FIGURES

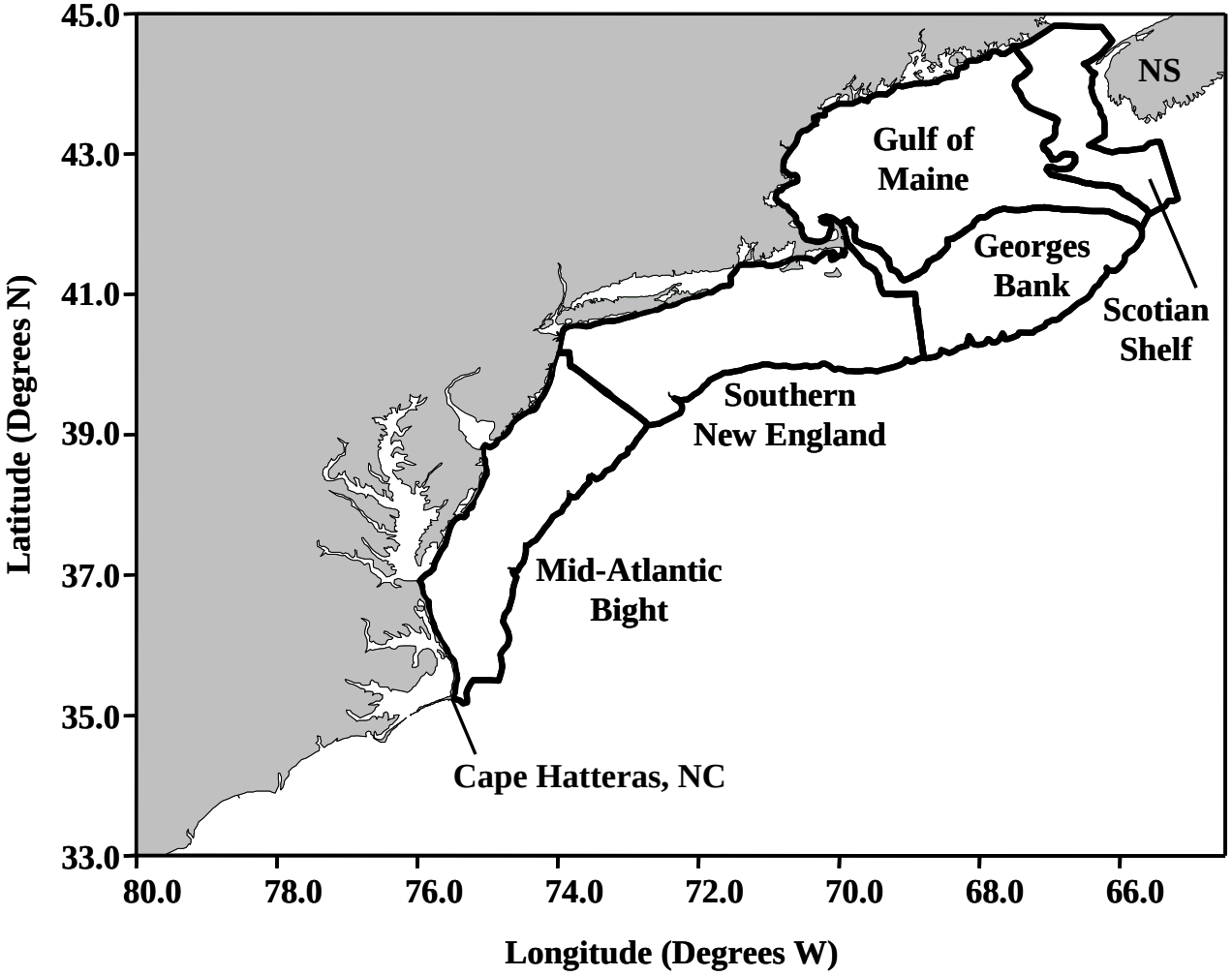

Figure 1. Map of the Northeast U.S. continental shelf illustrating the primary sampling regions covered by the NEFSC Bottom Trawl Survey. NS = Nova Scotia

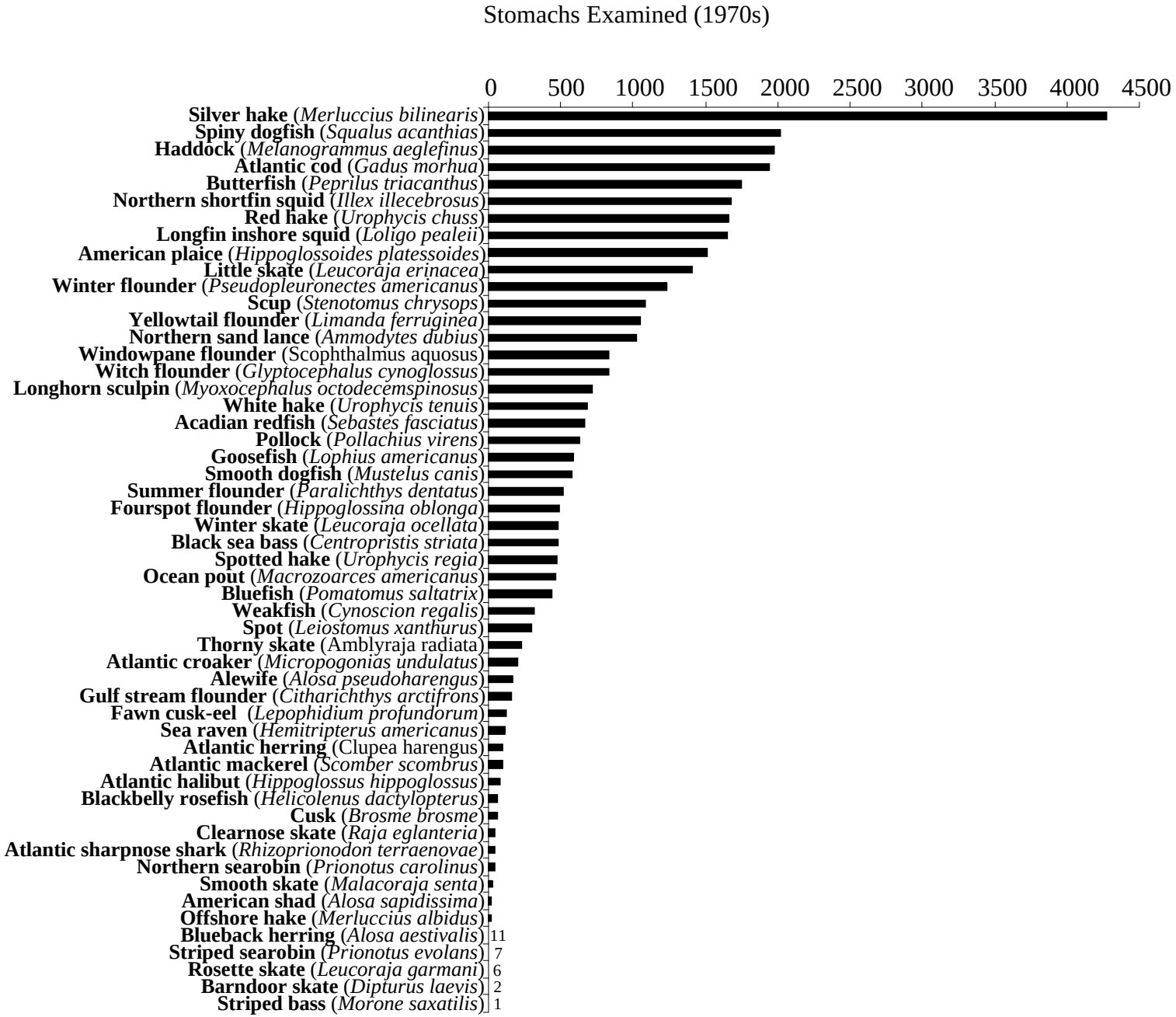

Figure 2. The number of stomachs examined by species in the 1970s.

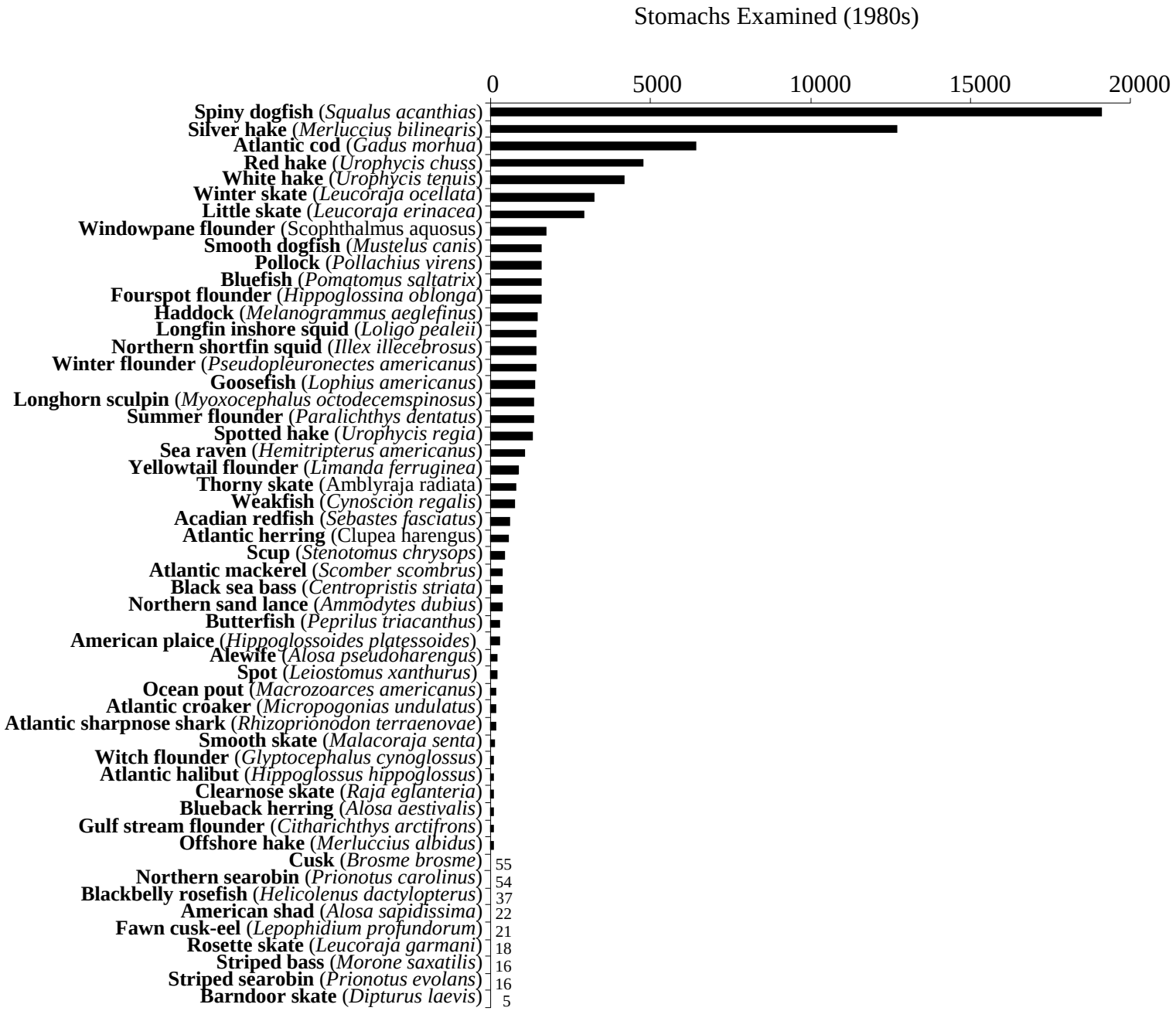

Figure 3. The number of stomachs examined by species in the 1980s.

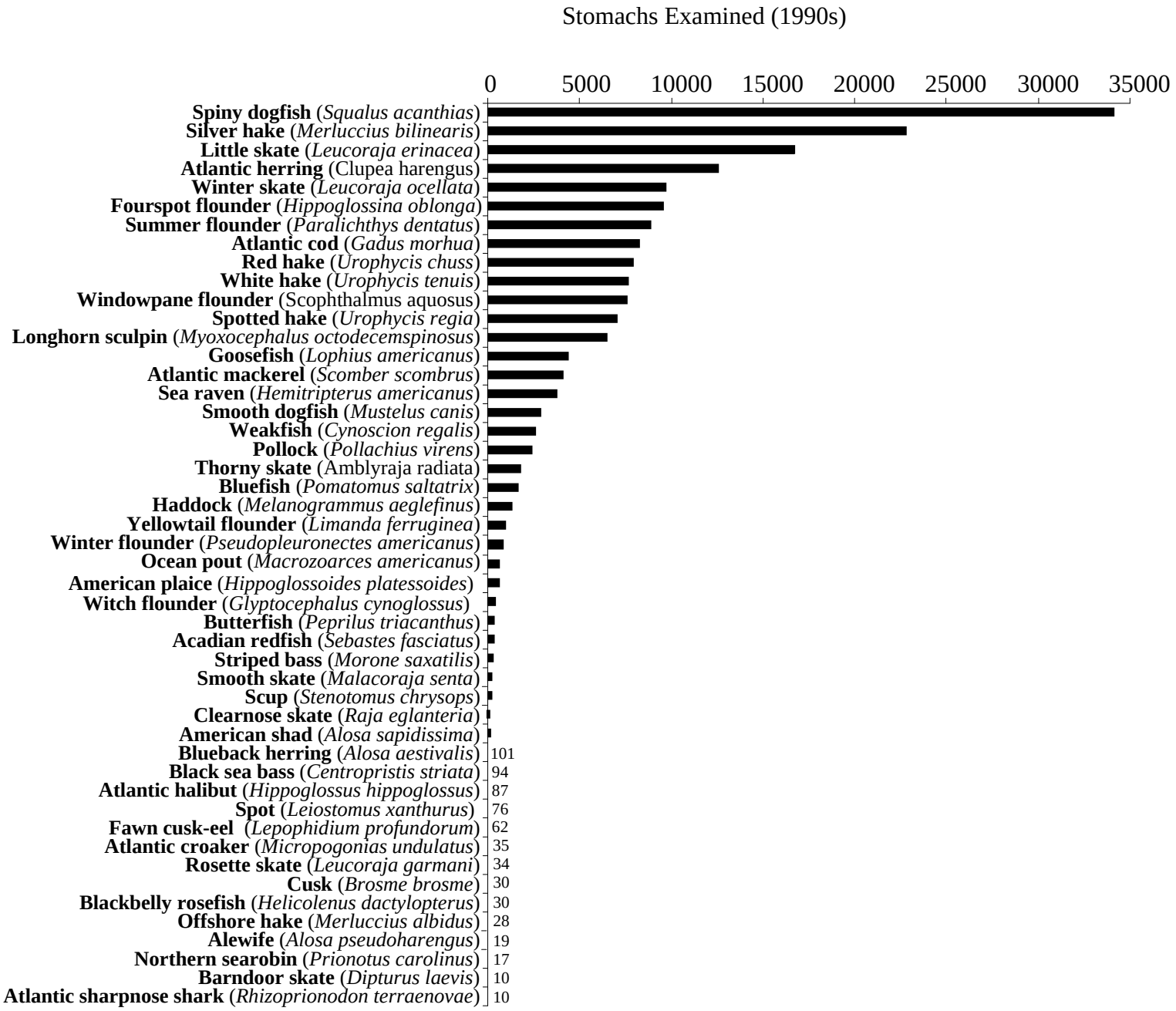

Figure 4. The number of stomachs examined by species in the 1990s.

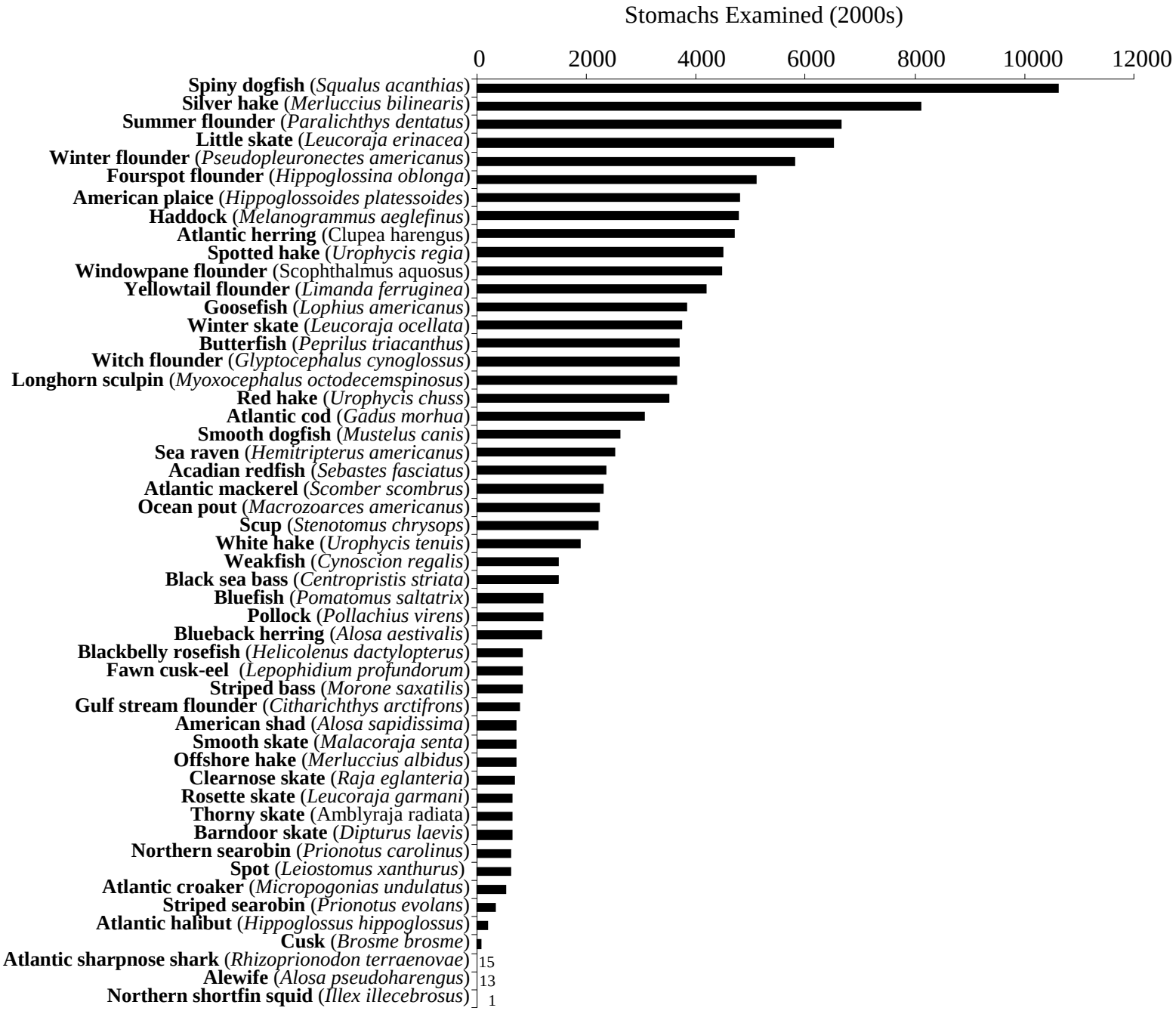

Figure 5. The number of stomachs examined by species in the 2000s.

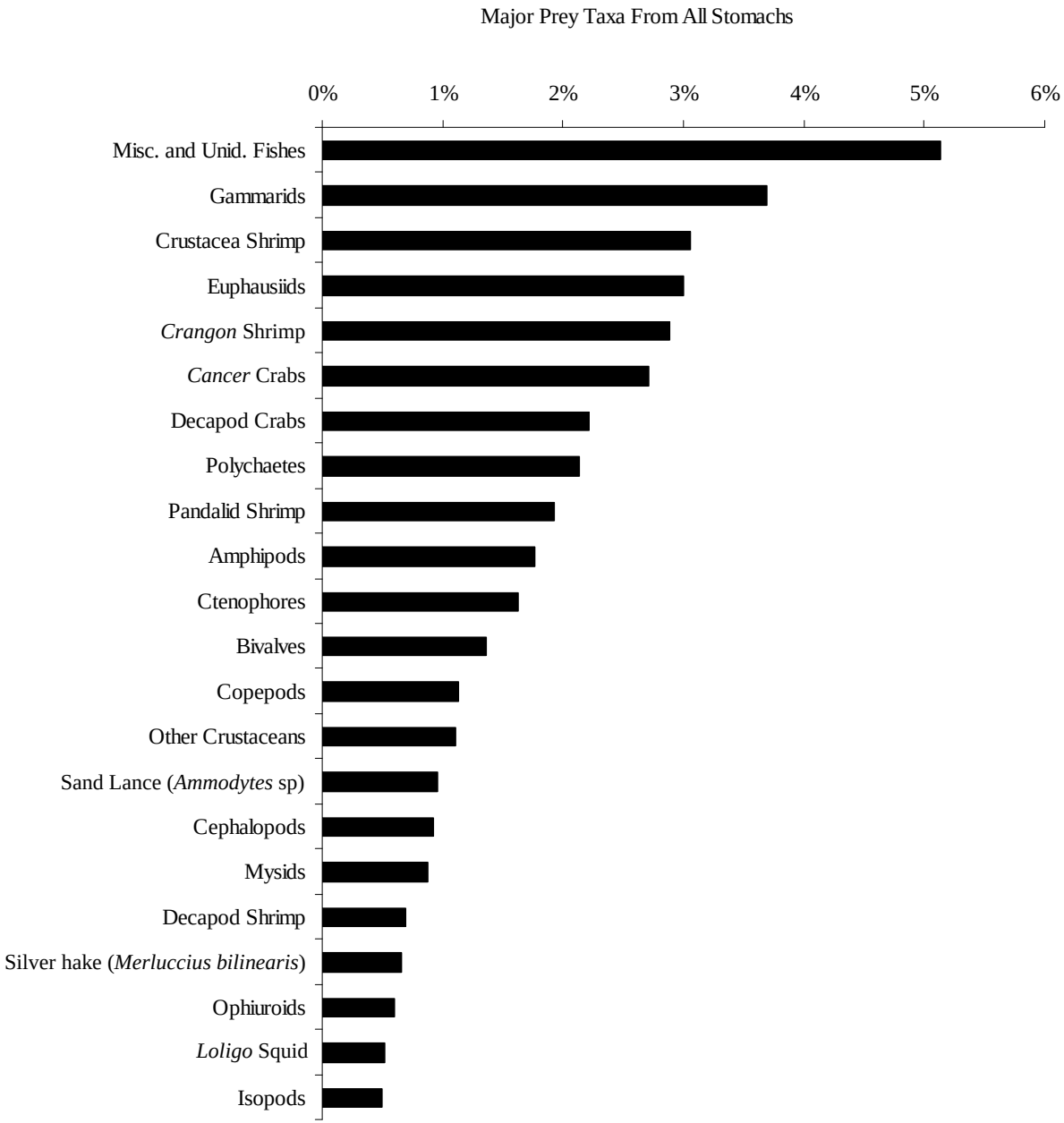

Figure 6. Percent frequency of occurrence of major prey taxa, excluding well-digested prey and empty stomachs for all predators in the database. Misc. and Unid. Fishes = Miscellaneous and Unidentified Fishes.

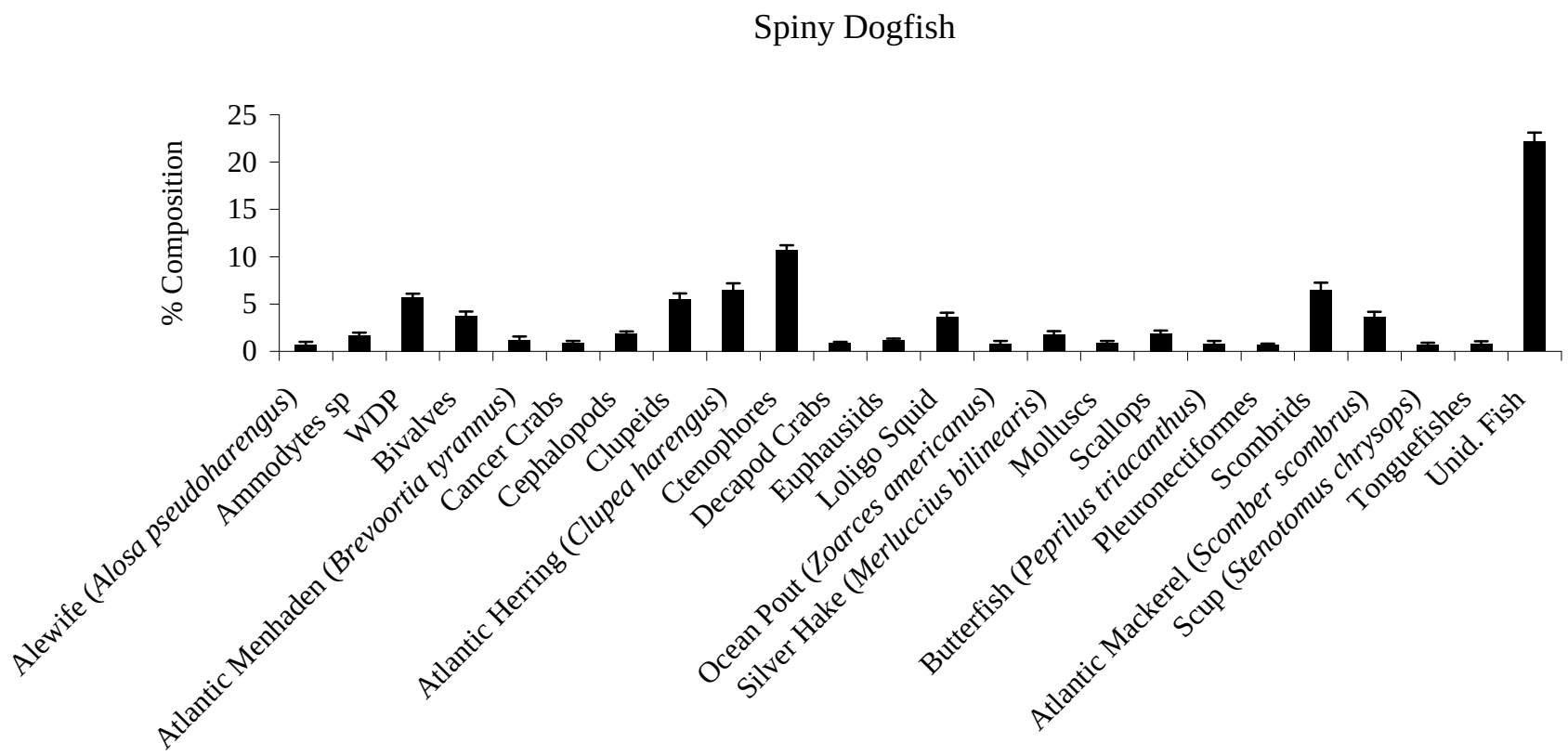

Figure 7. Percent diet composition by weight of major prey taxa for spiny dogfish (*Squalus acanthias*; n = 65,825). WDP = well-digested prey; Unid. Fish = unidentified fish.

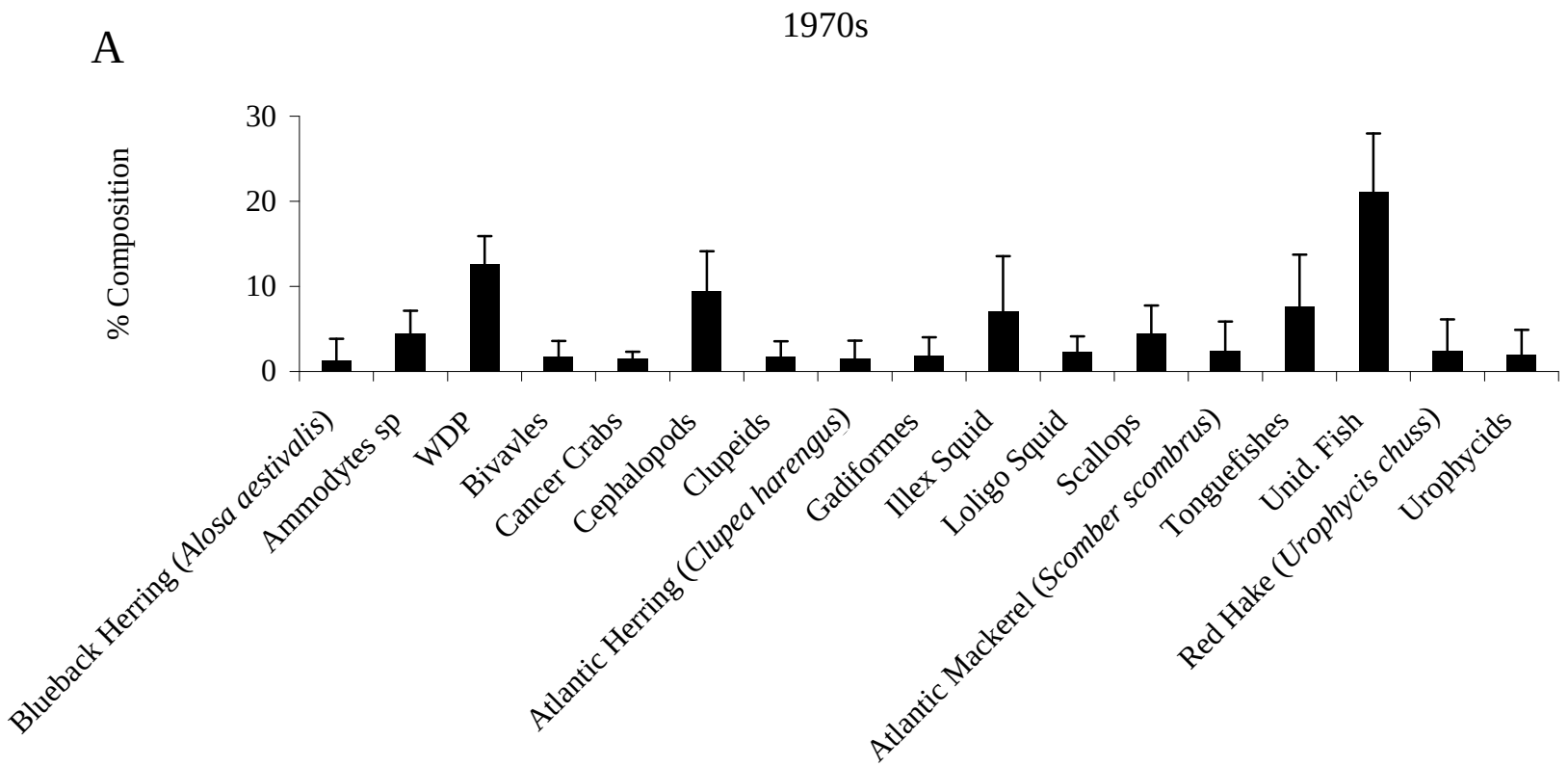

Figure 8A. Percent diet composition by weight of major prey taxa for spiny dogfish (*Squalus acanthias*) collected in the 1970s (n = 2,020). WDP = well-digested prey; Unid. Fish = unidentified fish.

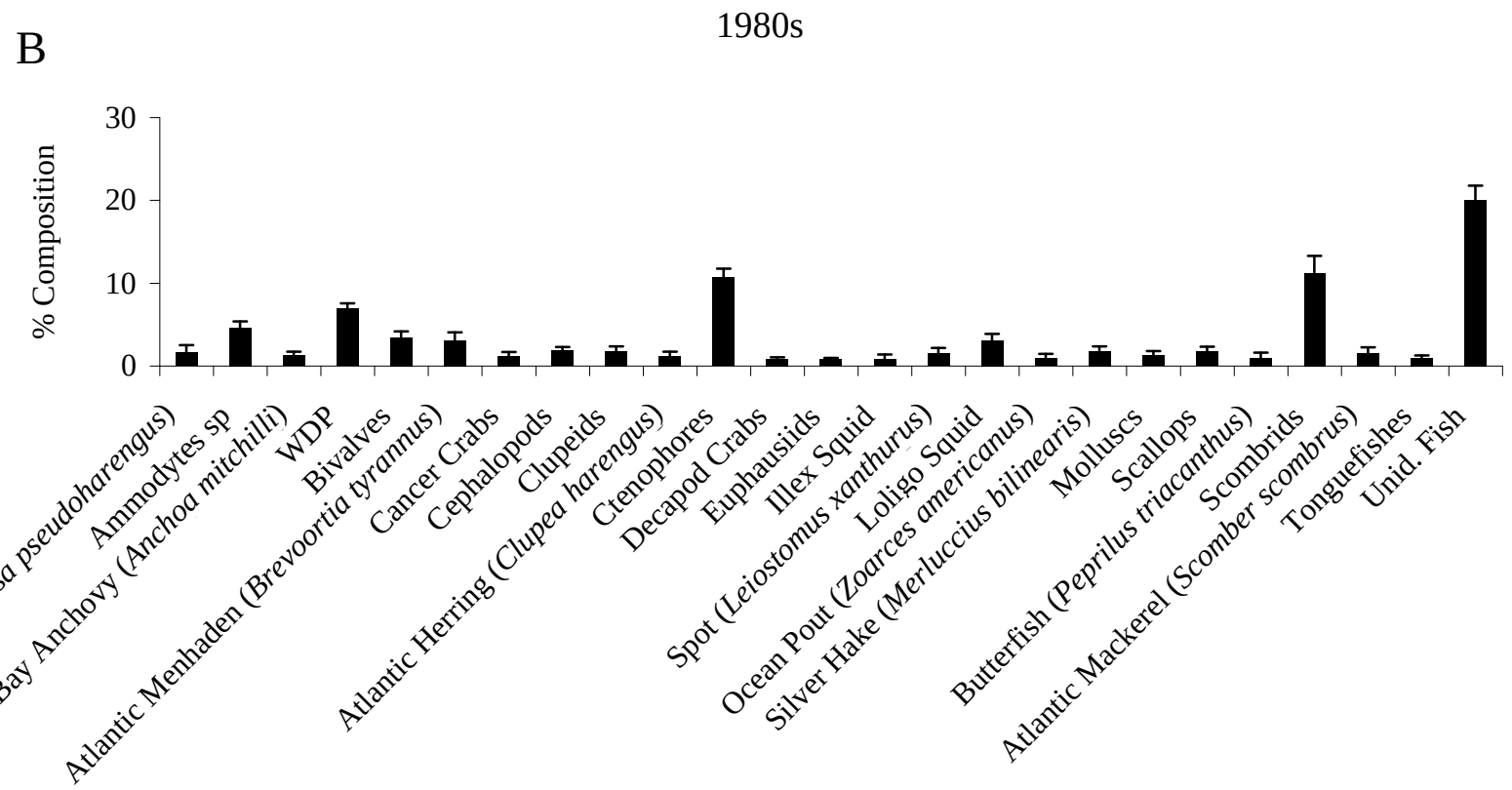

Figure 8B. Percent diet composition by weight of major prey taxa for spiny dogfish (*Squalus acanthias*) collected in the 1980s (n = 19,104). WDP = well-digested prey; Unid. Fish = unidentified fishes.

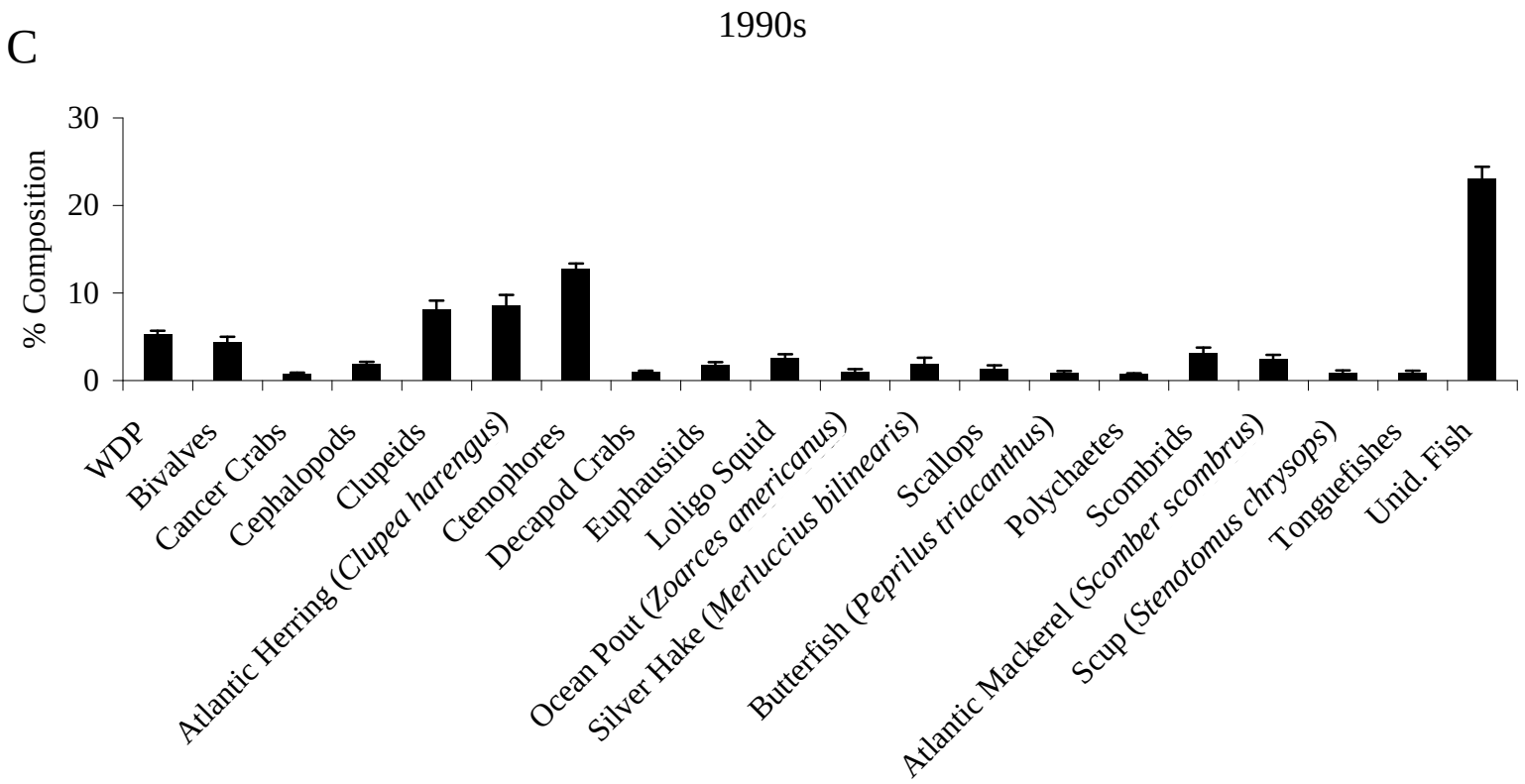

Figure 8C. Percent diet composition by weight of major prey taxa for spiny dogfish (*Squalus acanthias*) collected in the 1990s (n = 34,082). WDP = well-digested prey; Unid. Fish = unidentified fish.

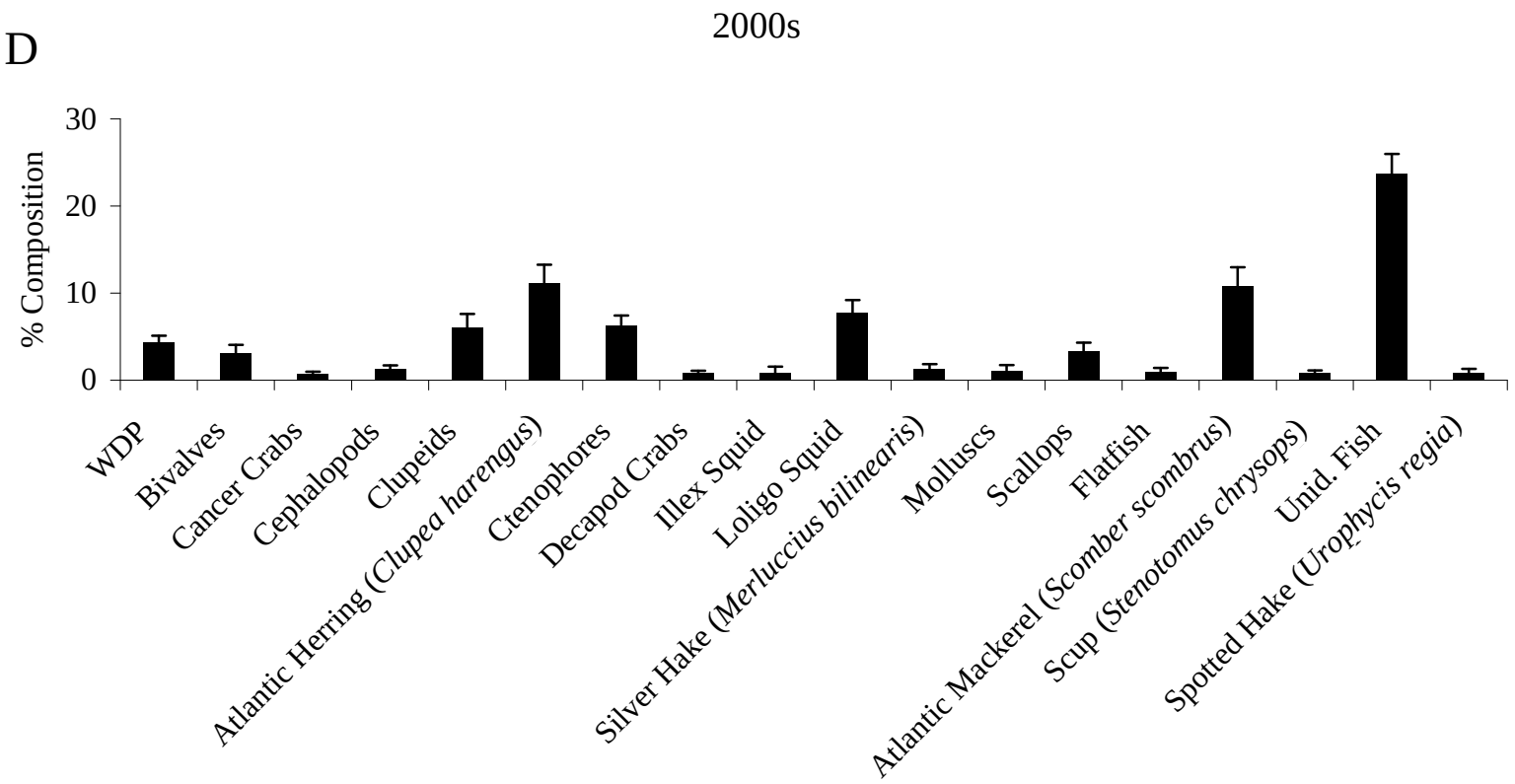

Figure 8D. Percent diet composition by weight of major prey taxa for spiny dogfish (*Squalus acanthias*) collected in the 2000s (n = 10,619). WDP = well-digested prey; Unid. Fish = unidentified fish.

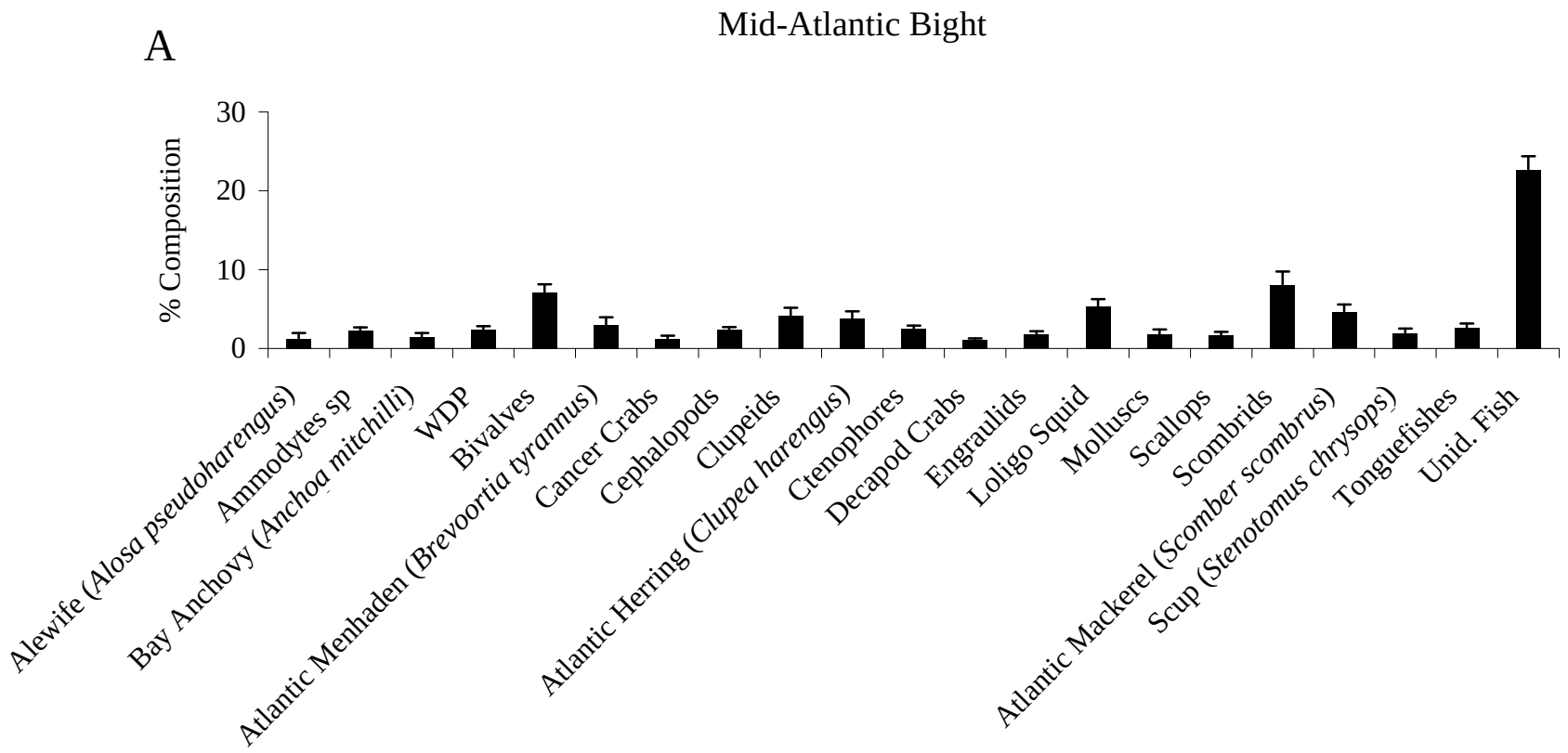

Figure 9A. Percent diet composition by weight of major prey taxa for spiny dogfish (*Squalus acanthias*) collected in the Mid-Atlantic Bight (n = 19,395). WDP = well-digested prey; Unid. Fish = unidentified fish.

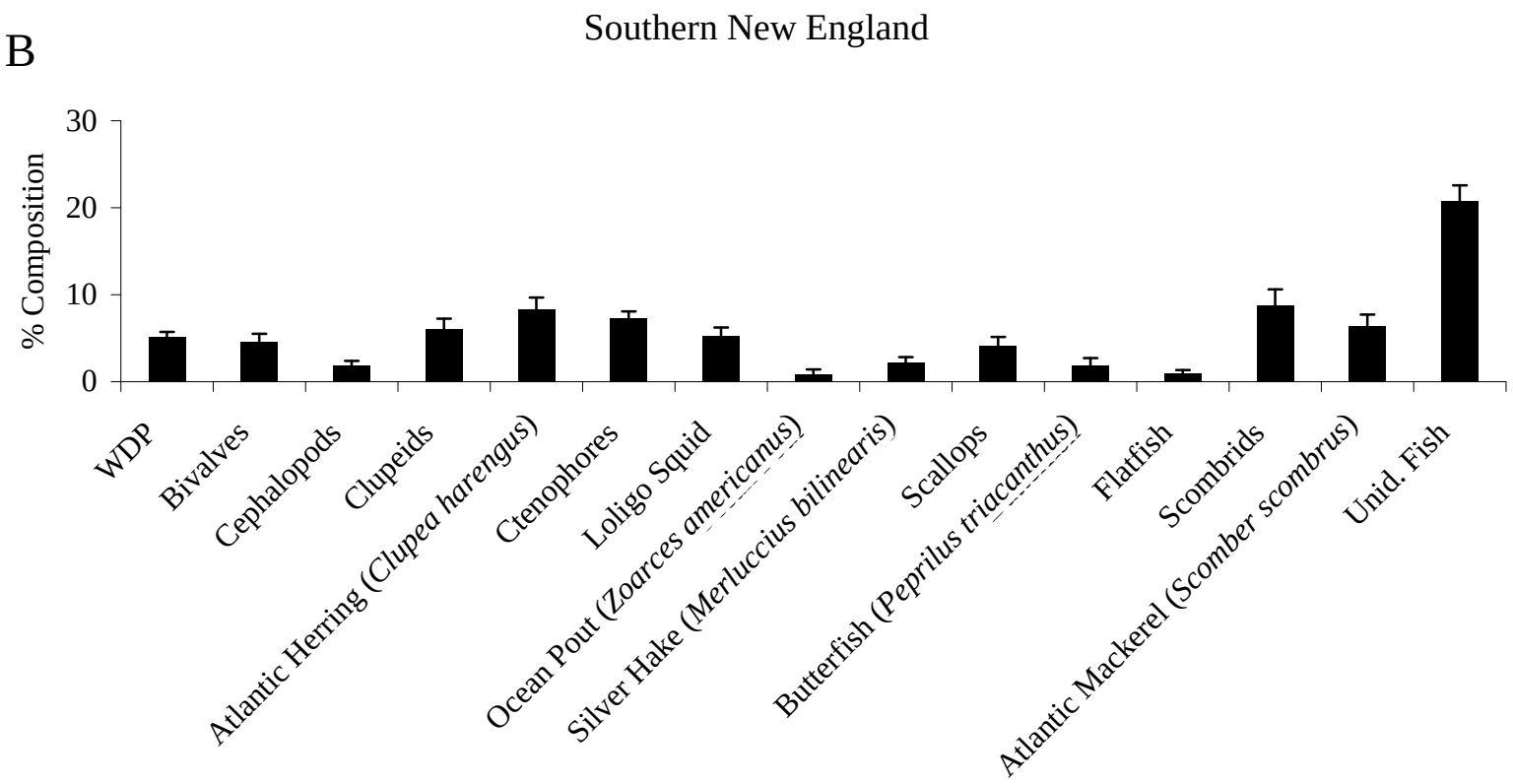

Figure 9B. Percent diet composition by weight of major prey taxa for spiny dogfish (*Squalus acanthias*) collected in Southern New England (n = 14,353). WDP = well-digested prey; Unid. Fish = unidentified fish.

C

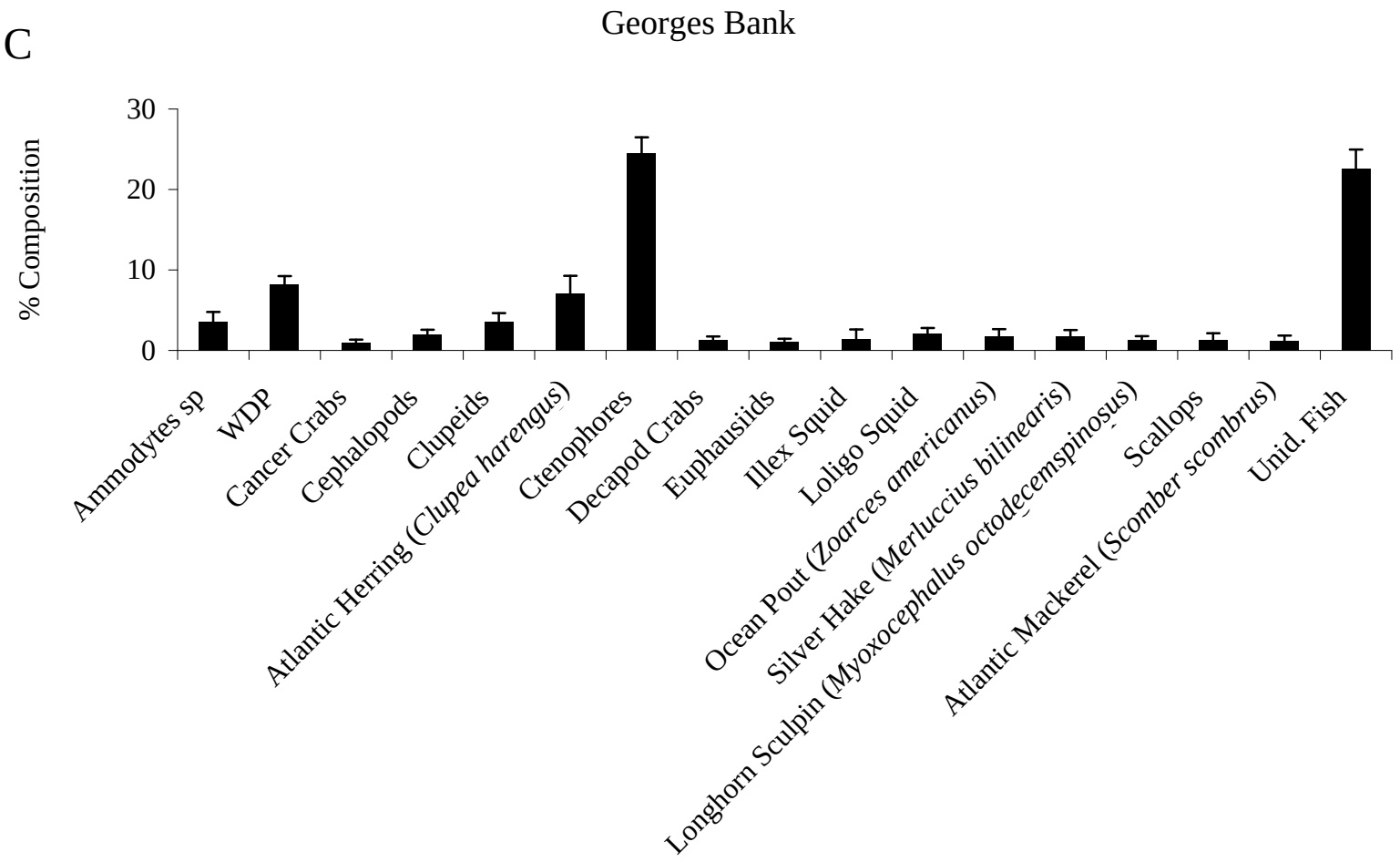

Figure 9C. Percent diet composition by weight of major prey taxa for spiny dogfish (*Squalus acanthias*) collected on Georges Bank (n = 13,932). WDP = well-digested prey; Unid. Fish = unidentified fish.

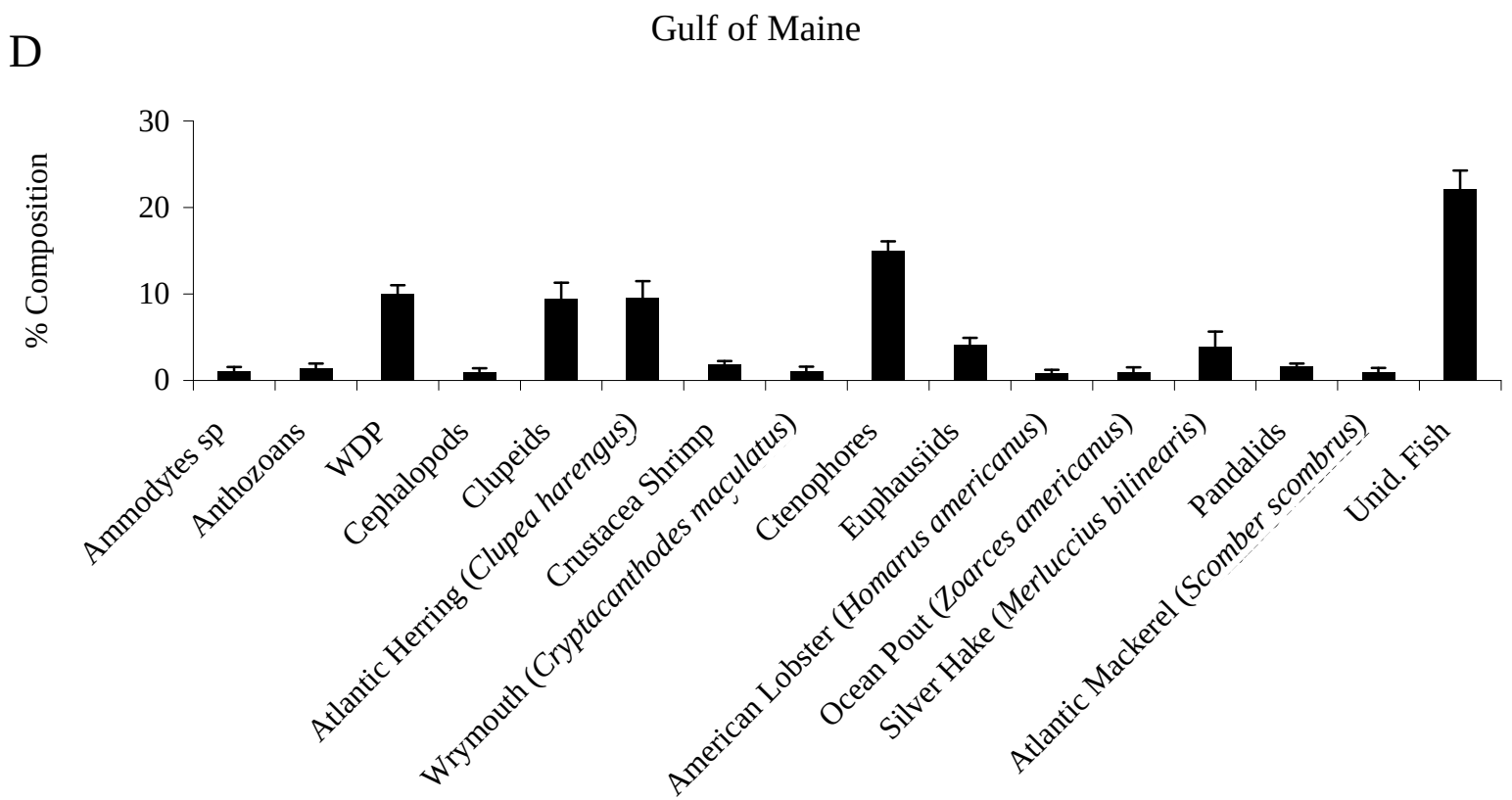

Figure 9D. Percent diet composition by weight of major prey taxa for spiny dogfish (*Squalus acanthias*) collected in the Gulf of Maine (n = 14,474). WDP = well-digested prey; Unid. Fish = unidentified fish.

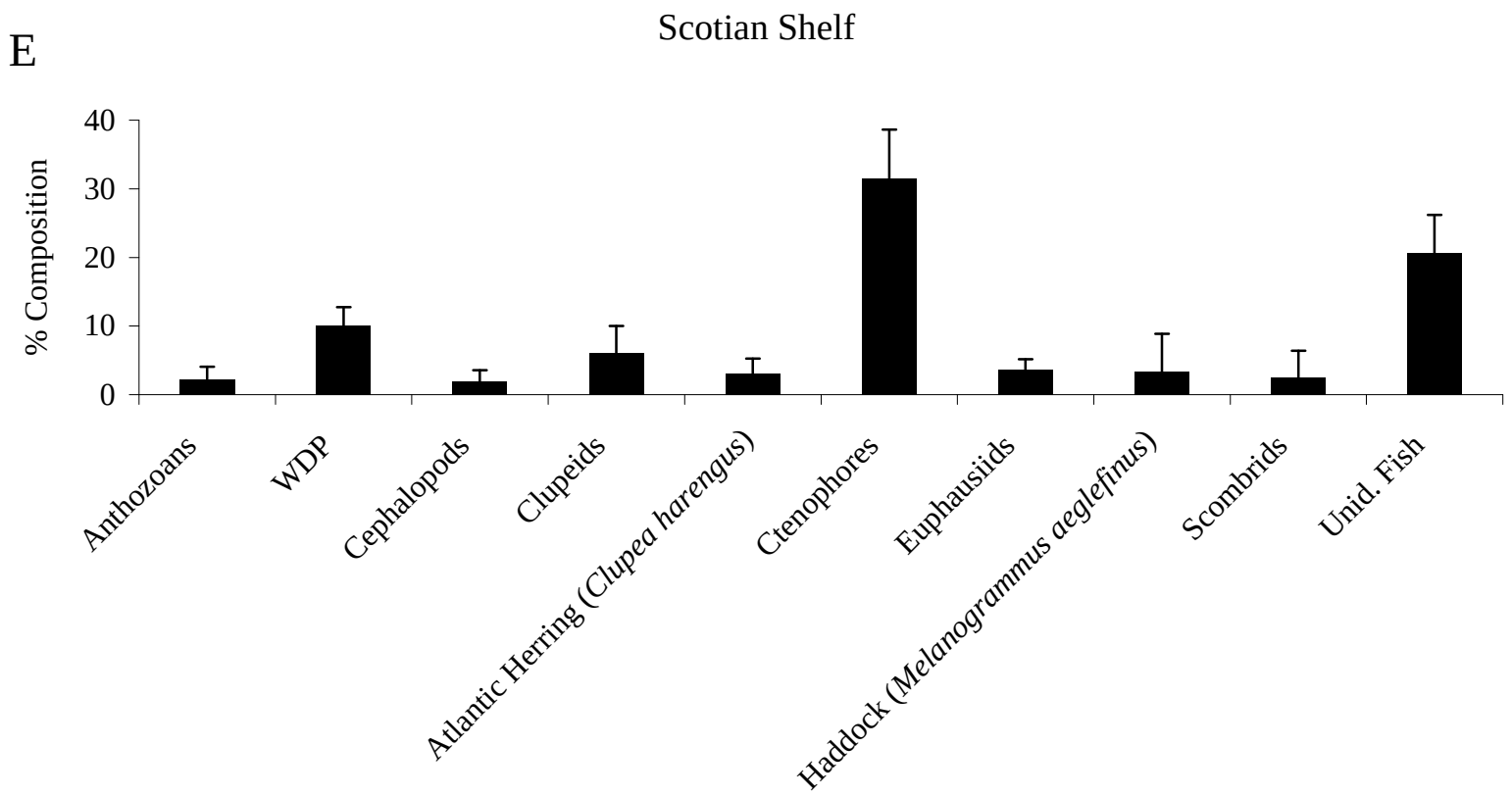

Figure 9E. Percent diet composition by weight of major prey taxa for spiny dogfish (*Squalus acanthias*) collected on the Scotian Shelf (n = 3,036). WDP = well-digested prey; Unid. Fish = unidentified fish.

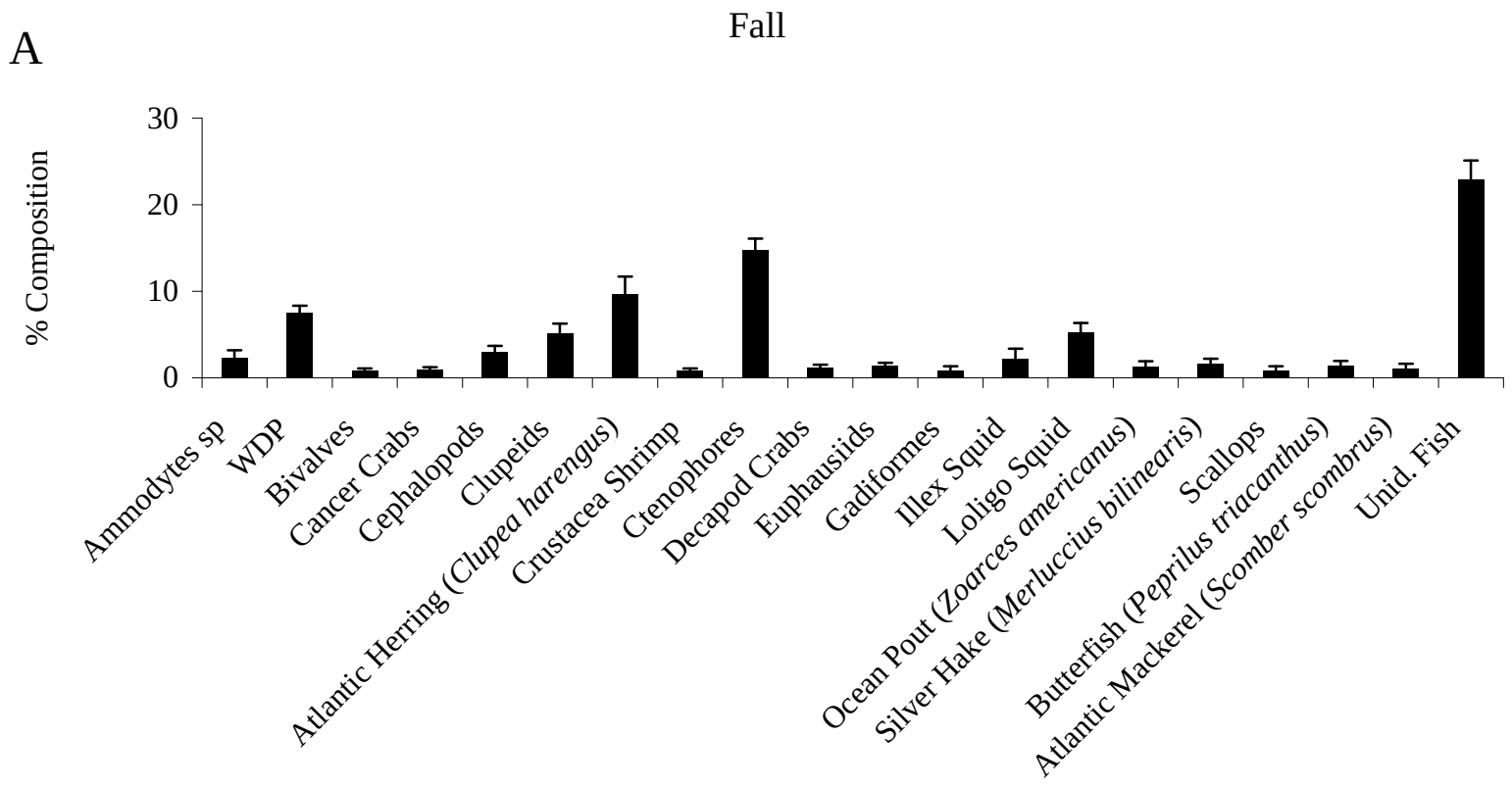

Figure 10A. Percent diet composition by weight of major prey taxa for spiny dogfish (*Squalus acanthias*) collected in the fall (n = 17,488). WDP = well-digested prey; Unid. Fish = unidentified fish.

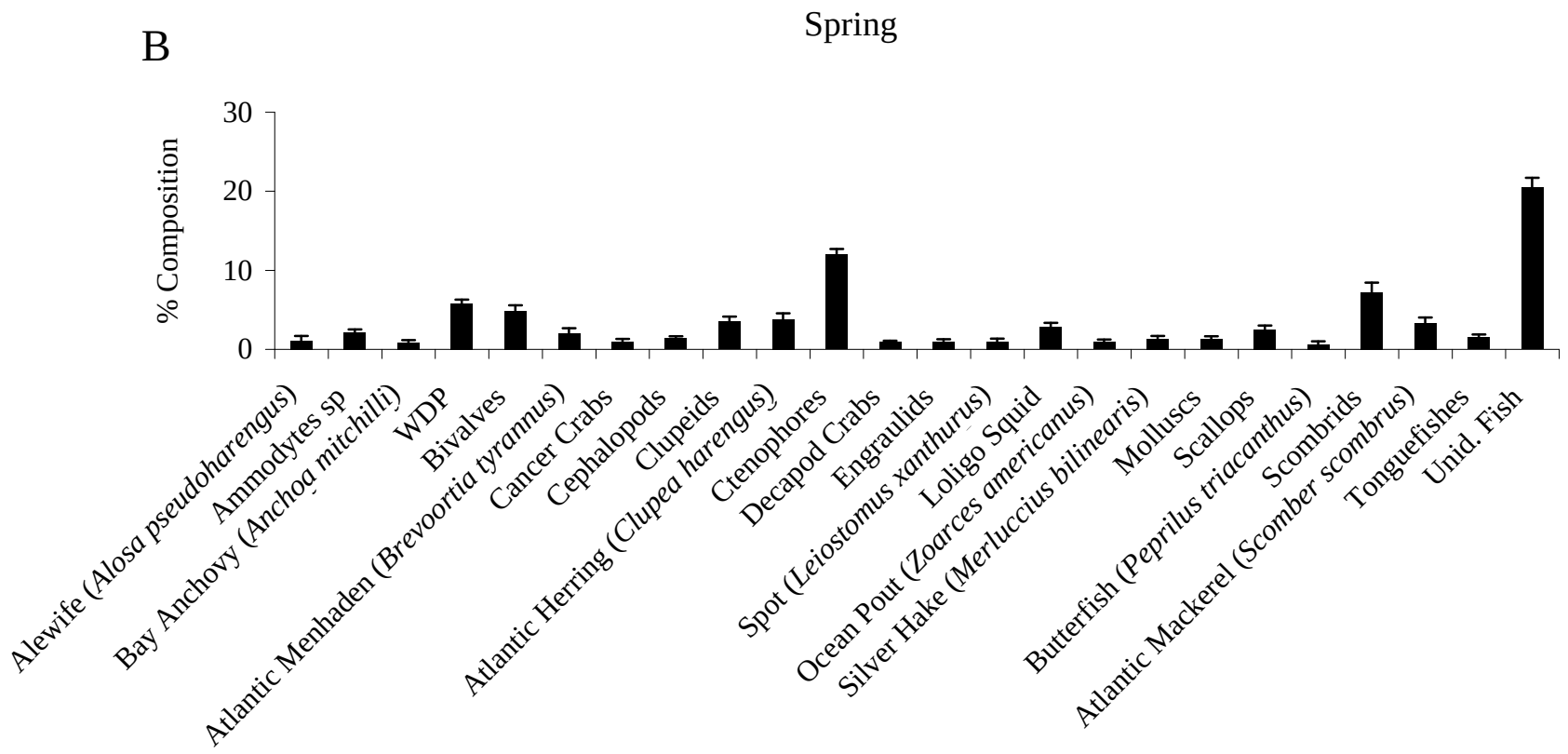

Figure 10B. Percent diet composition by weight of major prey taxa for spiny dogfish (*Squalus acanthias*) collected in the spring (n = 32,929). WDP = well-digested prey; Unid. Fish = unidentified fish.

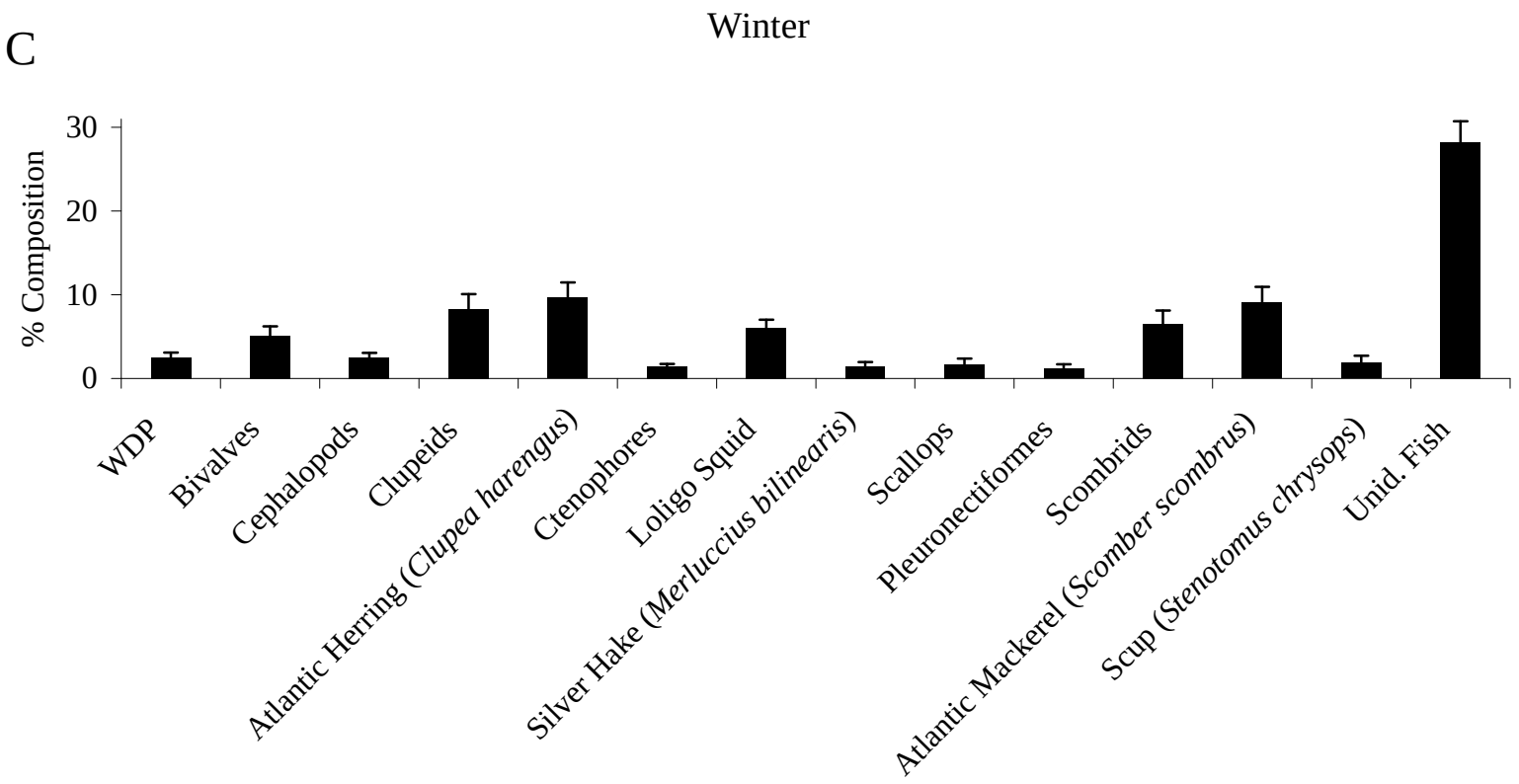

Figure 10C. Percent diet composition by weight of major prey taxa for spiny dogfish (*Squalus acanthias*) collected in the winter (n = 11,266). WDP = well-digested prey; Unid. Fish = unidentified fish.

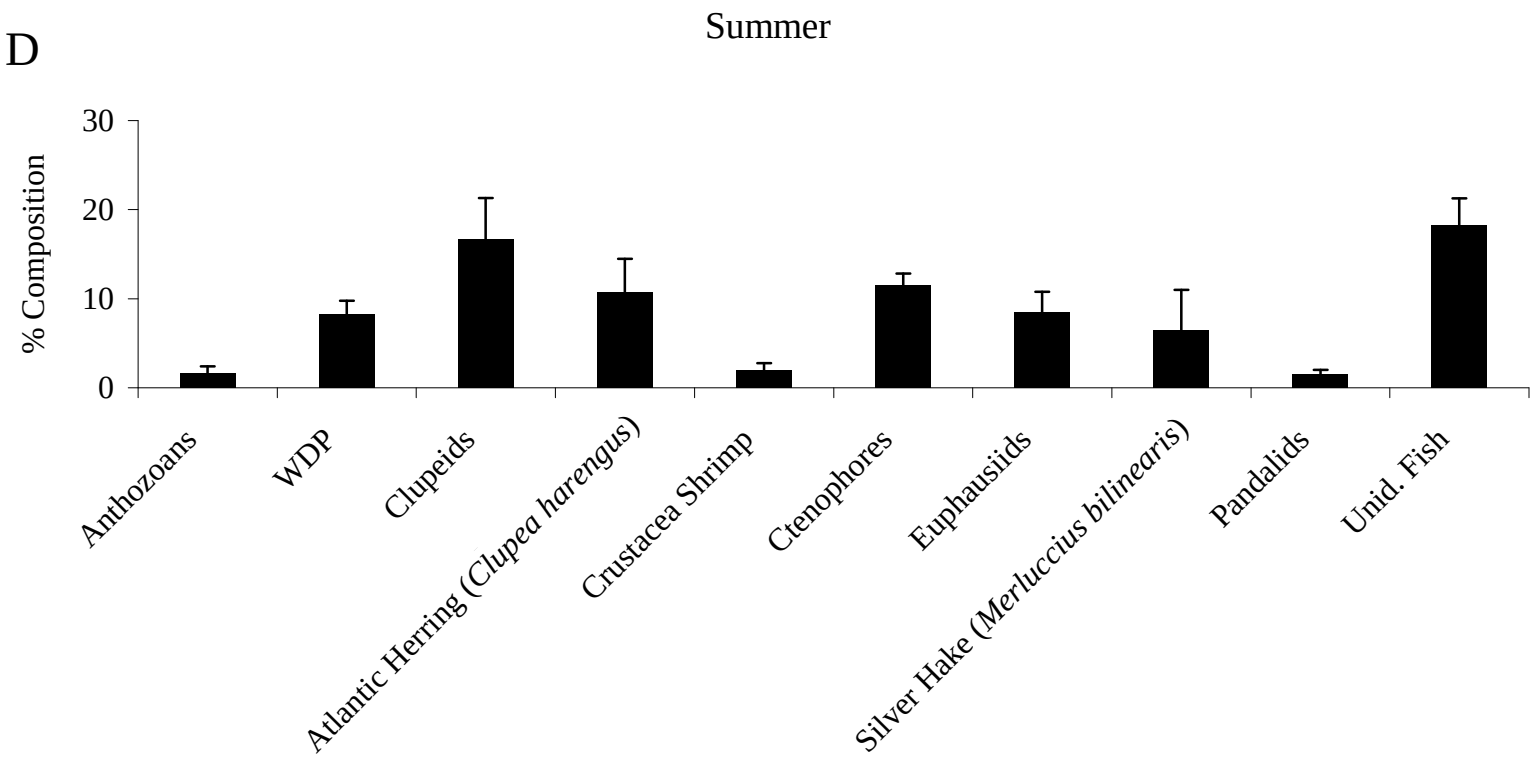

Figure 10D. Percent diet composition by weight of major prey taxa for spiny dogfish (*Squalus acanthias*) collected in the summer (n = 4,142). WDP = well-digested prey; Unid. Fish = unidentified fish.

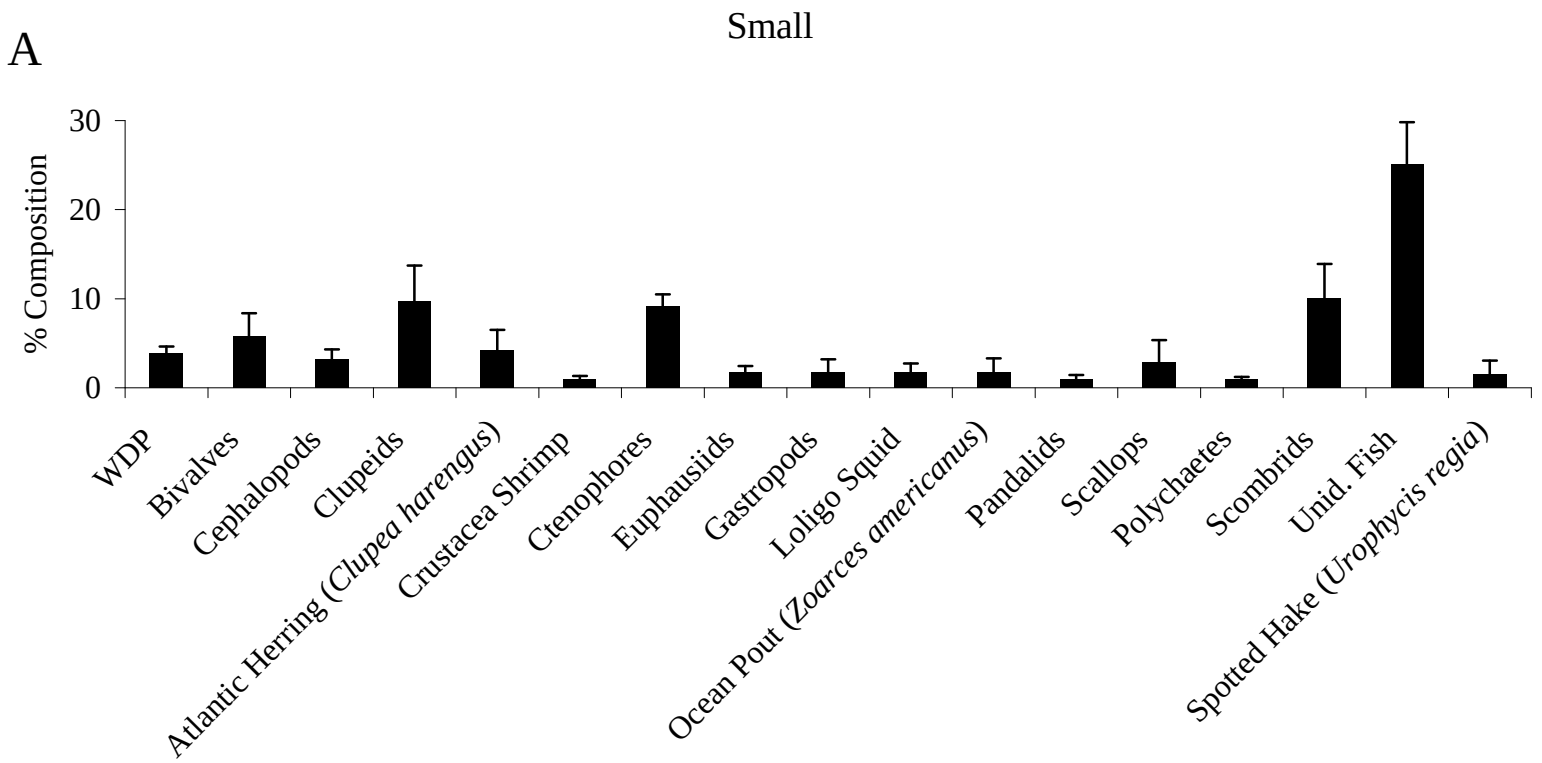

Figure 11A. Percent diet composition by weight of major prey taxa for spiny dogfish (*Squalus acanthias*) in the small size class (n = 6,489). WDP = well-digested prey; Unid. Fish = unidentified fish.

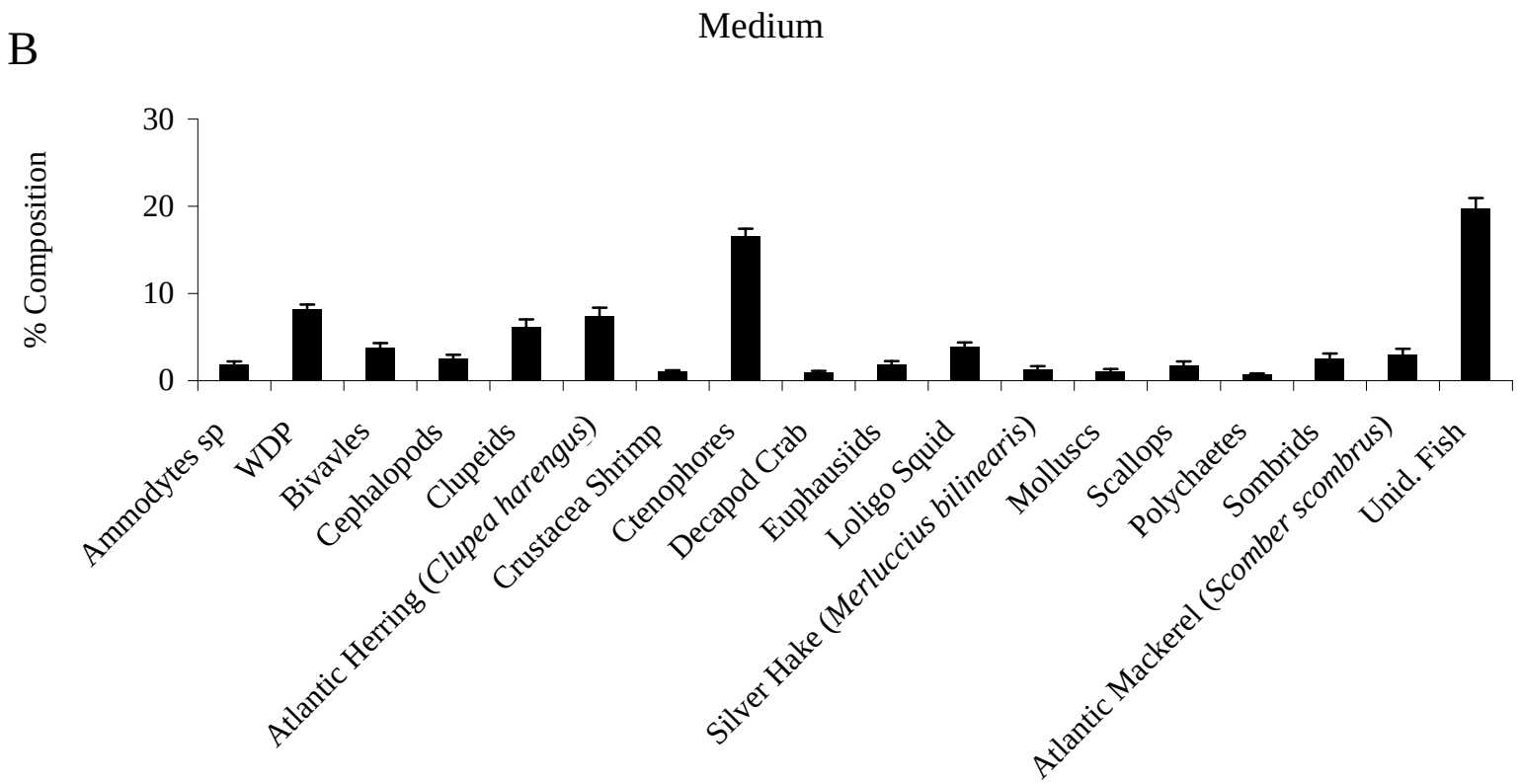

Figure 11B. Percent diet composition by weight of major prey taxa for spiny dogfish (*Squalus acanthias*) in the medium size class (n = 42,364). WDP = well-digested prey; Unid. Fish = unidentified fish.

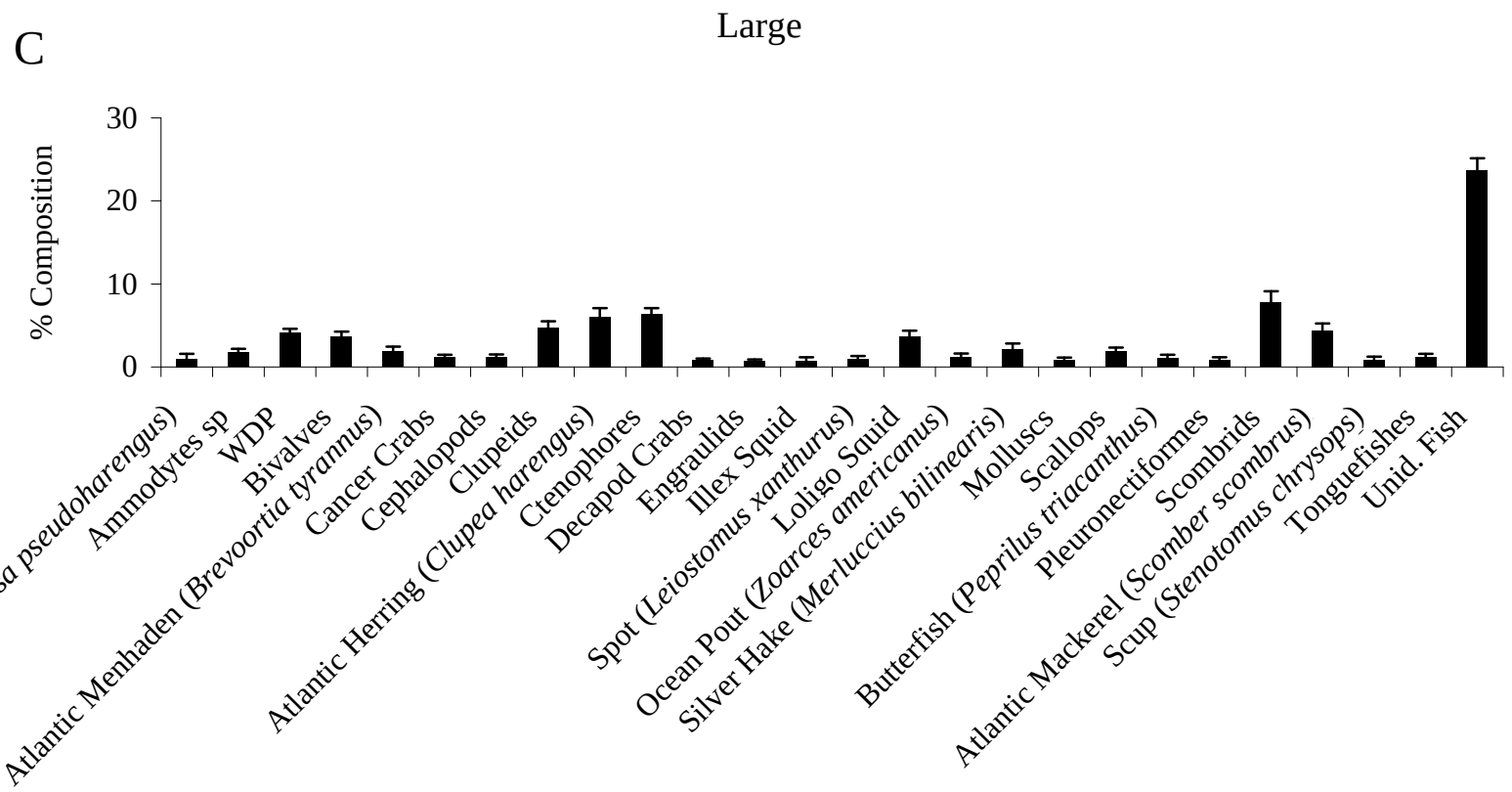

Figure 11C. Percent diet composition by weight of major prey taxa for spiny dogfish (*Squalus acanthias*) in the large size class (n = 16,972). WDP = well-digested prey; Unid. Fish = unidentified fish.

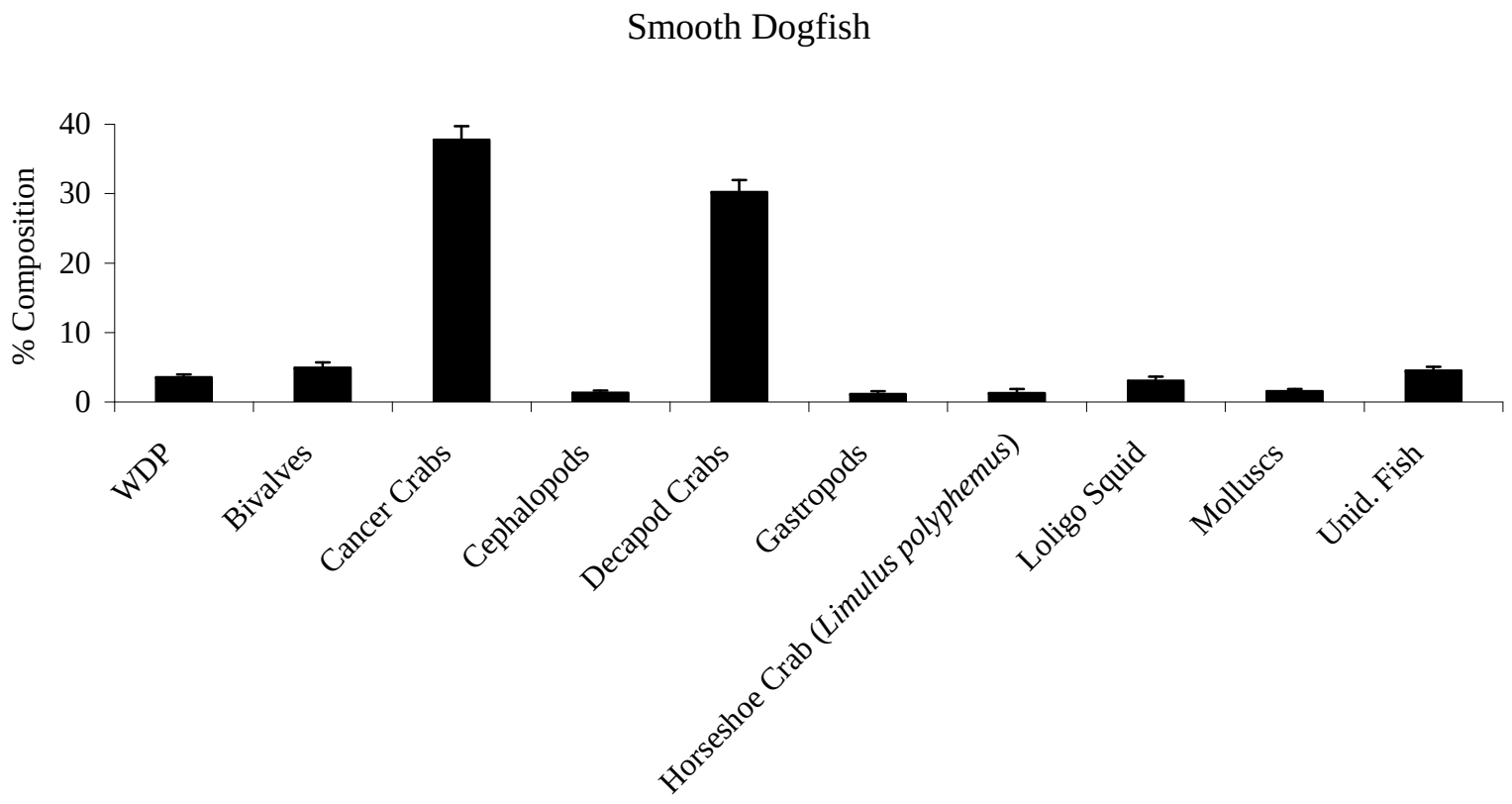

Figure 12. Percent diet composition by weight of major prey taxa for smooth dogfish (*Mustelus canis*; n = 7,697). WDP = well-digested prey; Unid. Fish = unidentified fish.

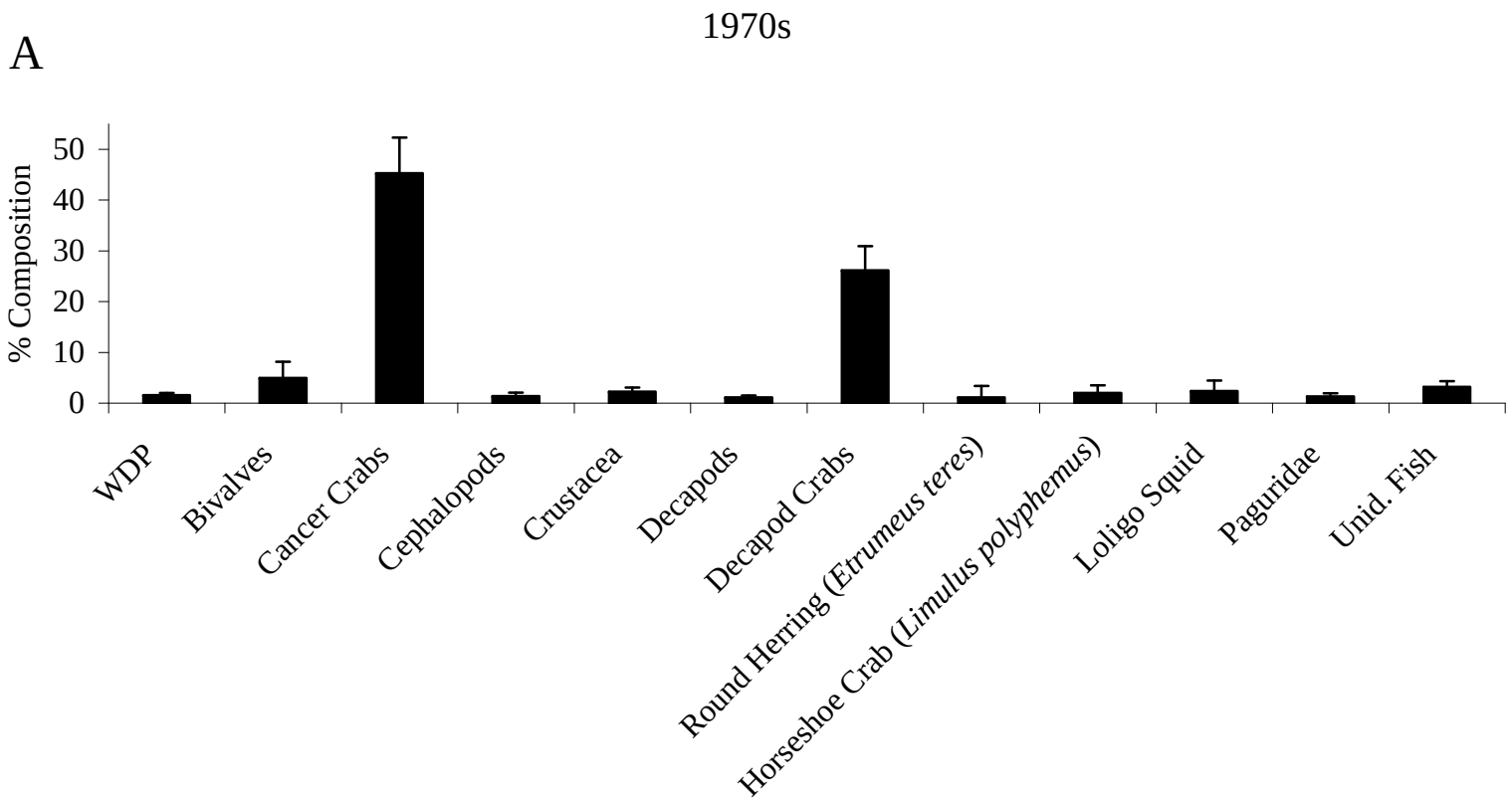

Figure 13A. Percent diet composition by weight of major prey taxa for smooth dogfish (*Mustelus canis*) collected in the 1970s (n = 573). WDP = well-digested prey; Unid. Fish = unidentified fish.

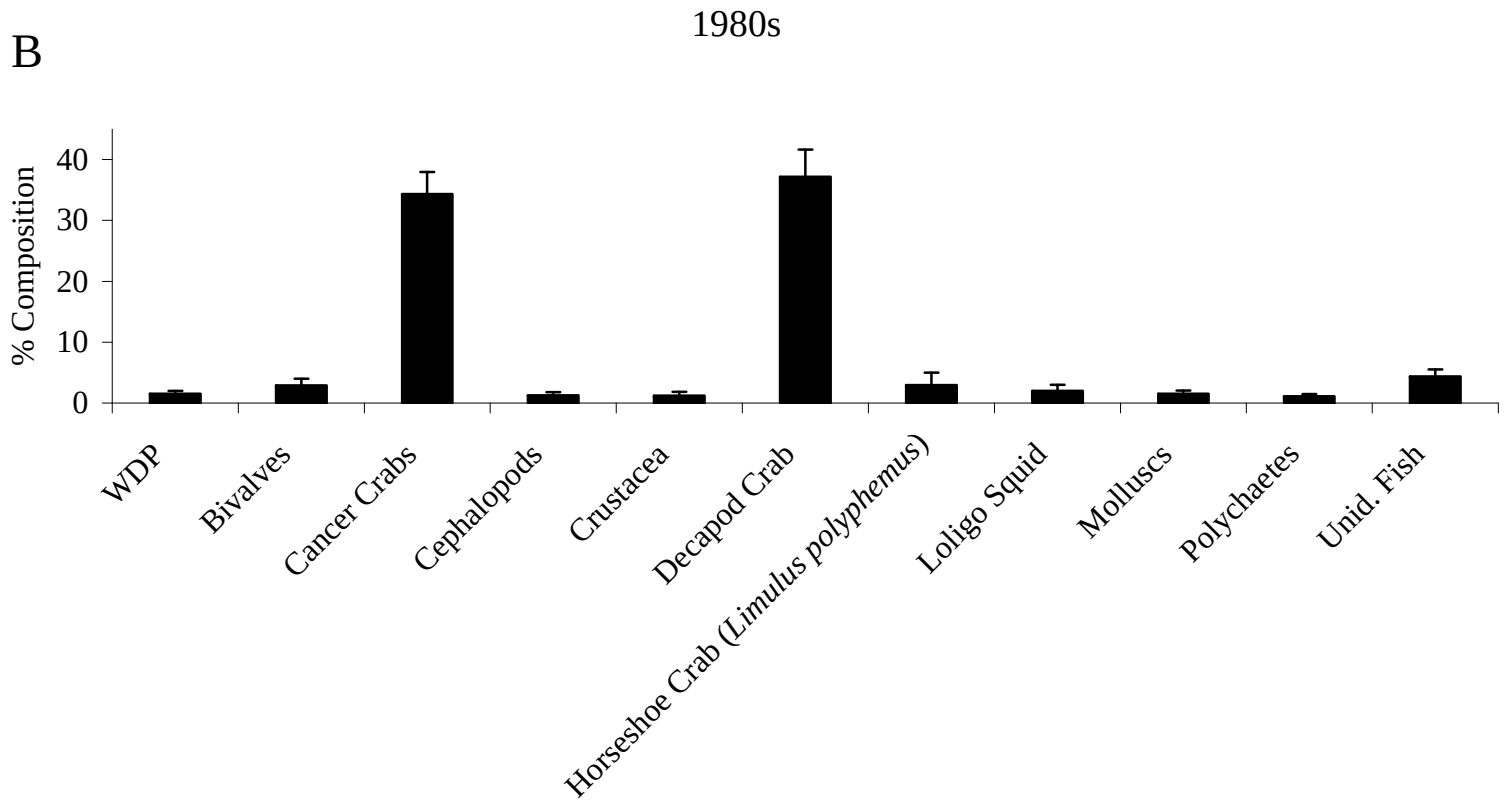

Figure 13B. Percent diet composition by weight of major prey taxa for smooth dogfish (*Mustelus canis*) collected in the 1980s (n = 1,579). WDP = well-digested prey; Unid. Fish = unidentified fish.

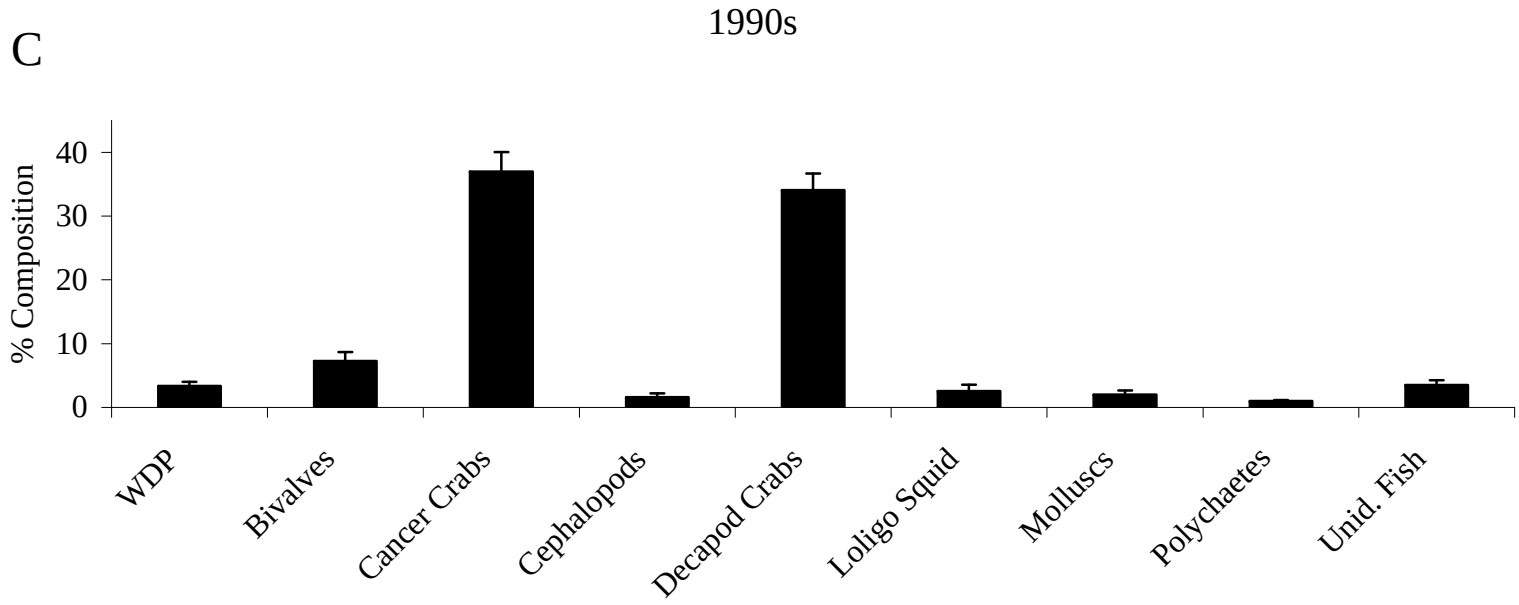

Figure 13C. Percent diet composition by weight of major prey taxa for smooth dogfish (*Mustelus canis*) collected in the 1990s (n = 2,157). WDP = well-digested prey; Unid. Fish = unidentified fish.

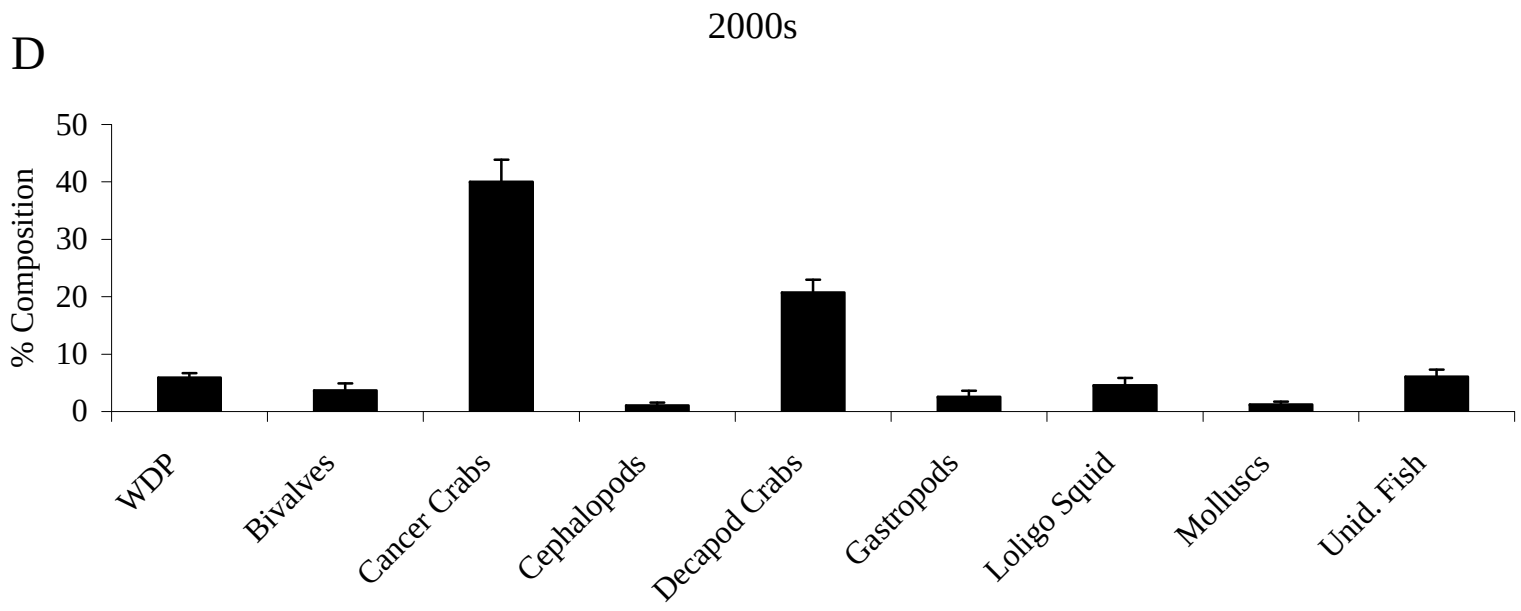

Figure 13D. Percent diet composition by weight of major prey taxa for smooth dogfish (*Mustelus canis*) collected in the 2000s (n = 2,491). WDP = well-digested prey; Unid. Fish = unidentified fish.

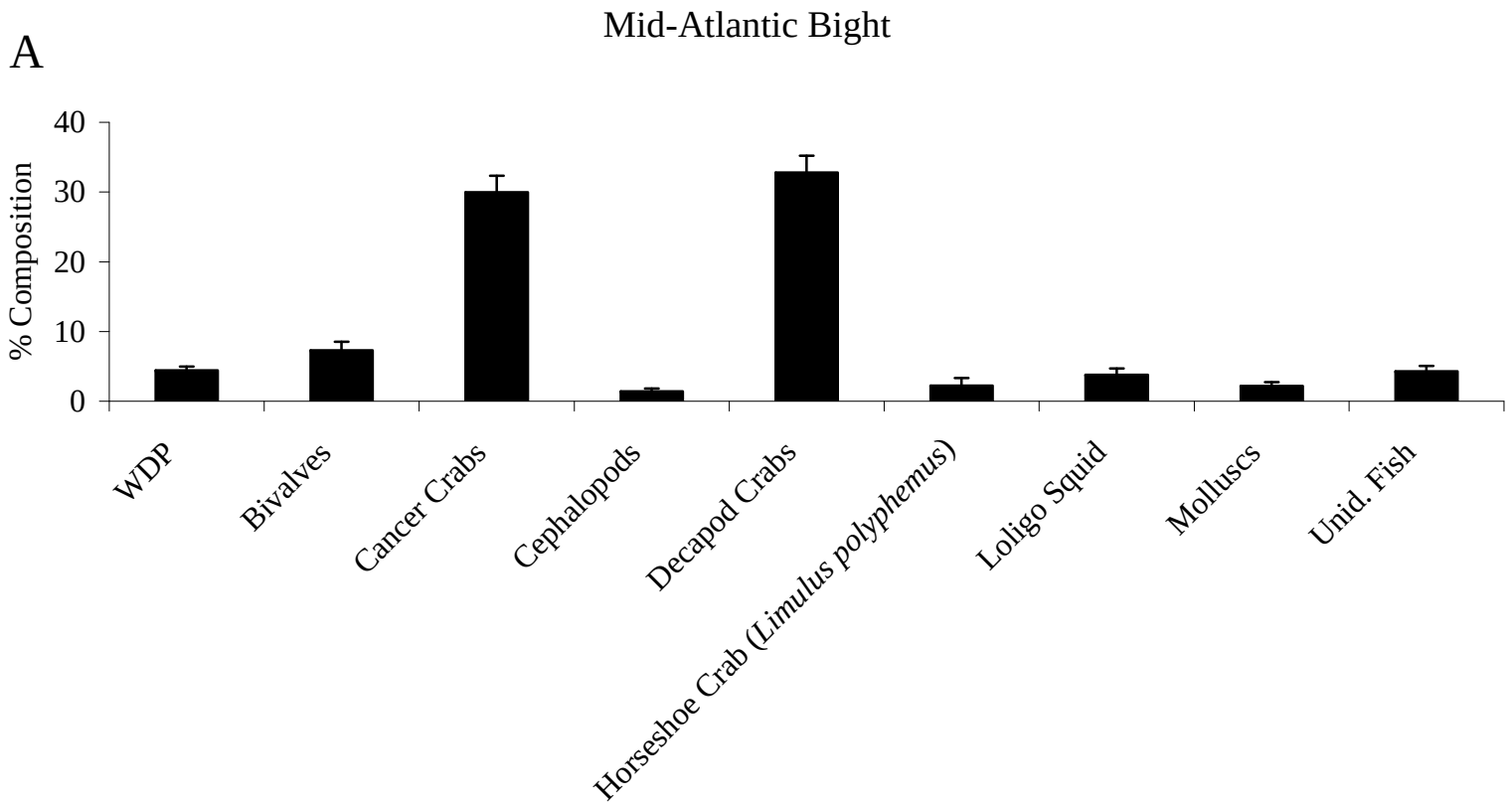

Figure 14A. Percent diet composition by weight of major prey taxa for smooth dogfish (*Mustelus canis*) collected in the Mid-Atlantic Bight (n = 4,416). WDP = well-digested prey; Unid. Fish = unidentified fish.

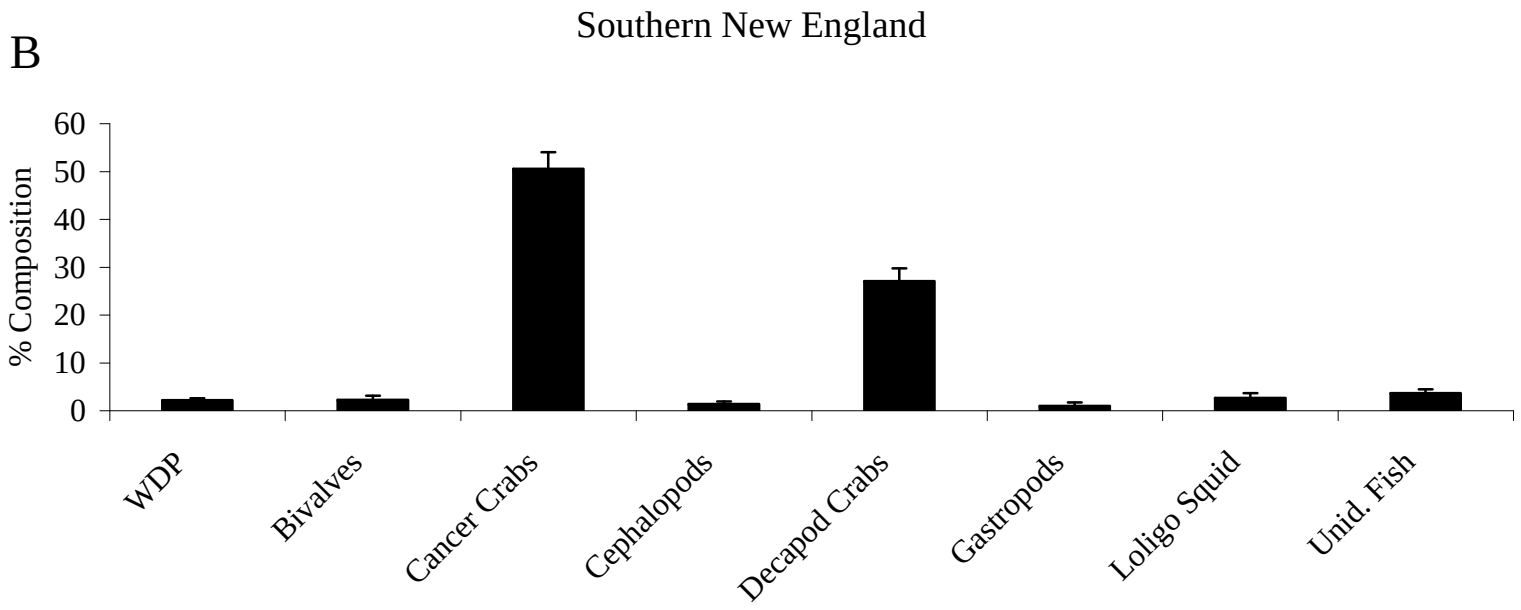

Figure 14B. Percent diet composition by weight of major prey taxa for smooth dogfish (*Mustelus canis*) collected in Southern New England (n = 1,648). WDP = well-digested prey; Unid. Fish = unidentified fish.

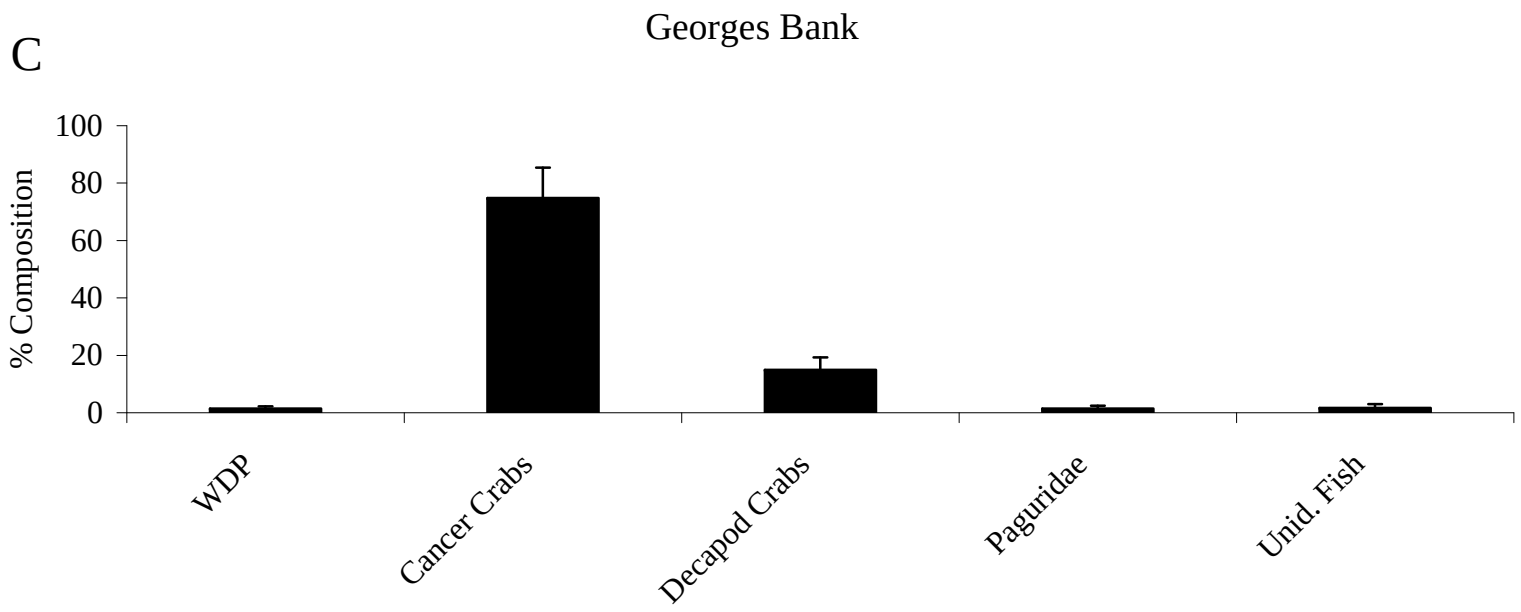

Figure 14C. Percent diet composition by weight of major prey taxa for smooth dogfish (*Mustelus* canis) collected on Georges Bank (n = 220). WDP = well-digested prey; Unid. Fish = unidentified fish.

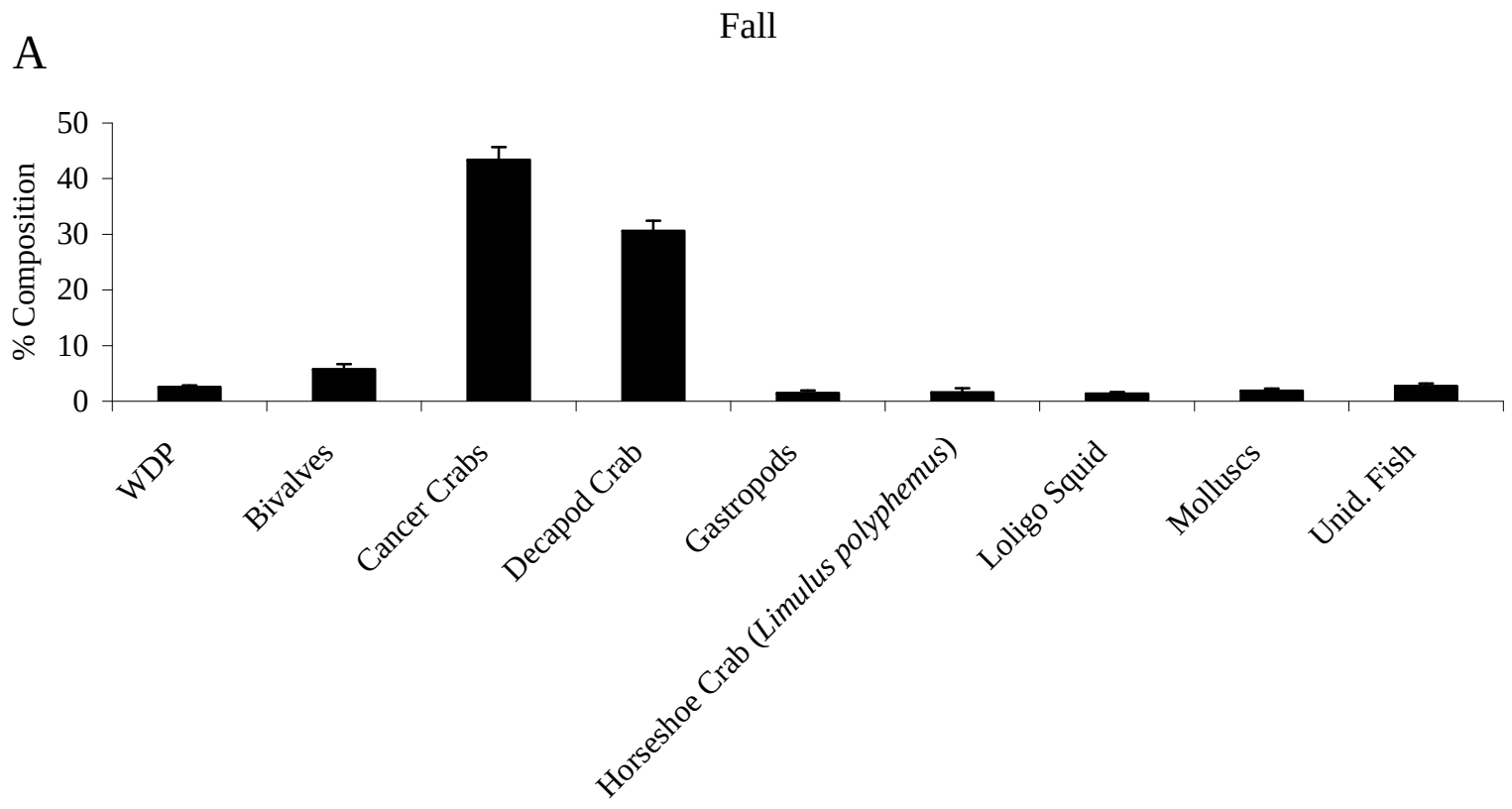

Figure 15A. Percent diet composition by weight of major prey taxa for smooth dogfish (*Mustelus* canis) collected in the fall (n = 4,316). WDP = well-digested prey; Unid. Fish = unidentified fish.

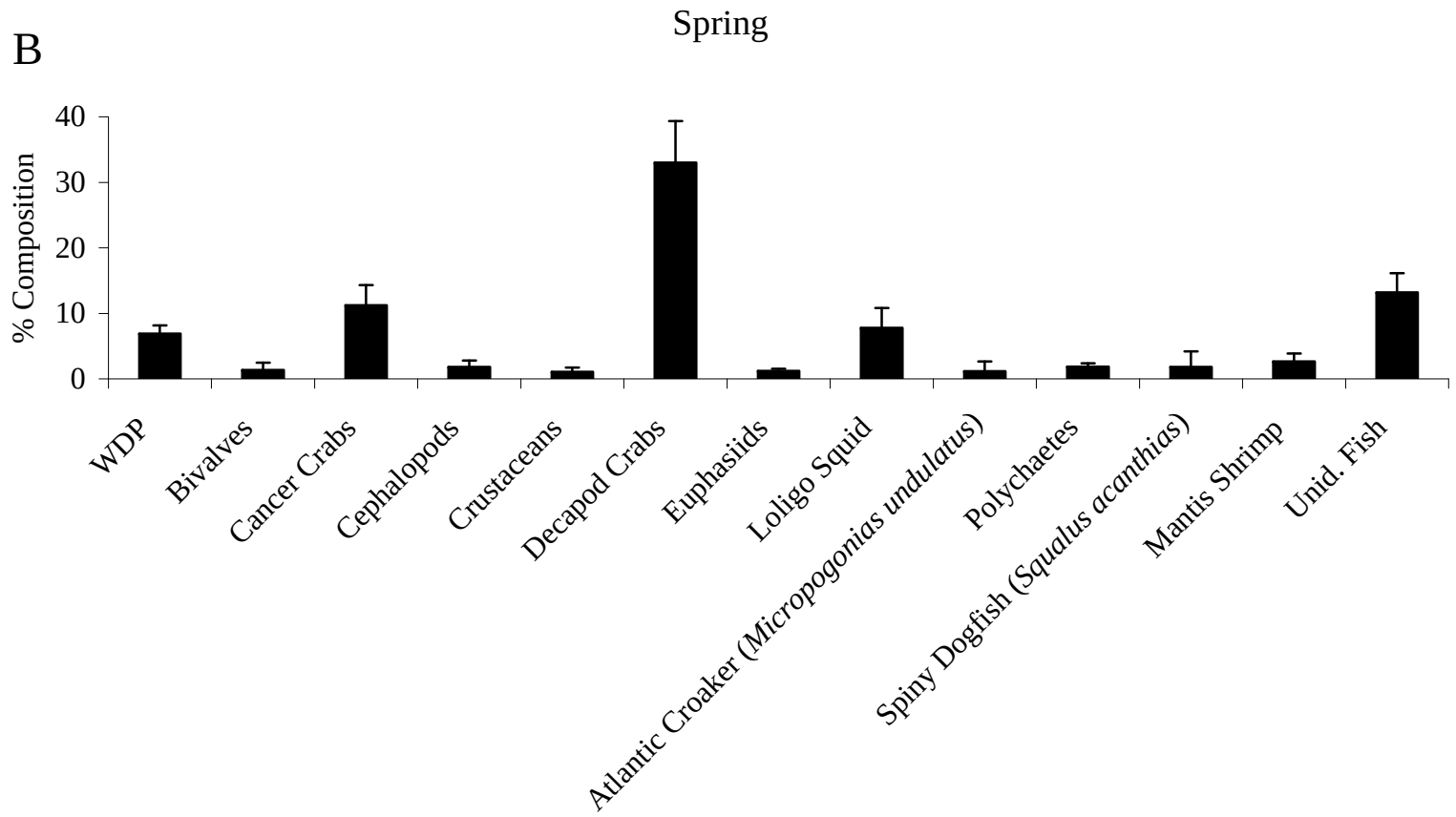

Figure 15B. Percent diet composition by weight of major prey taxa for smooth dogfish (*Mustelus* canis) collected in the spring (n = 1,419). WDP = well-digested prey; Unid. Fish = unidentified fish.

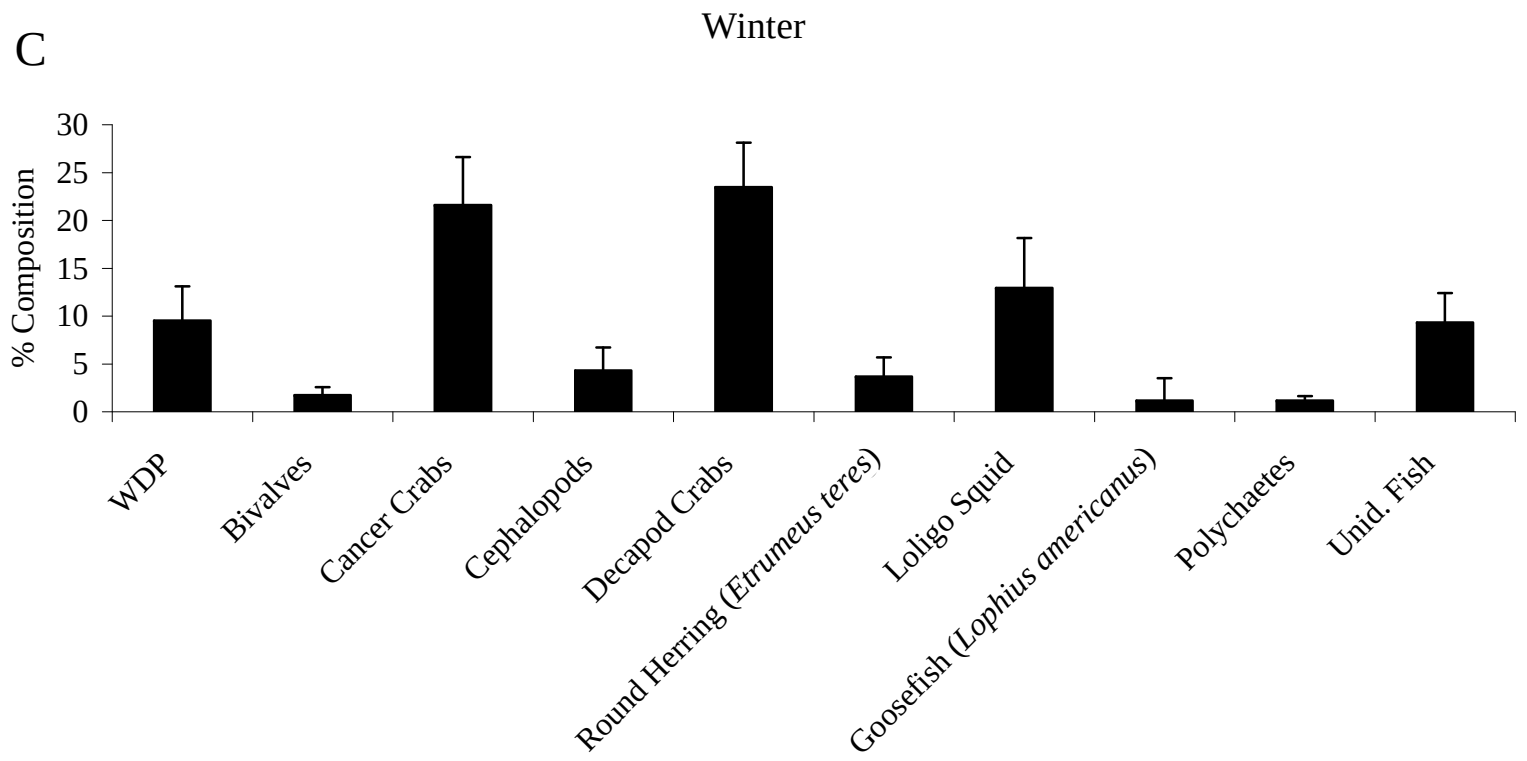

Figure 15C. Percent diet composition by weight of major prey taxa for smooth dogfish (*Mustelus* canis) collected collected in the winter (n = 812). WDP = well-digested prey; Unid. Fish = unidentified fish.

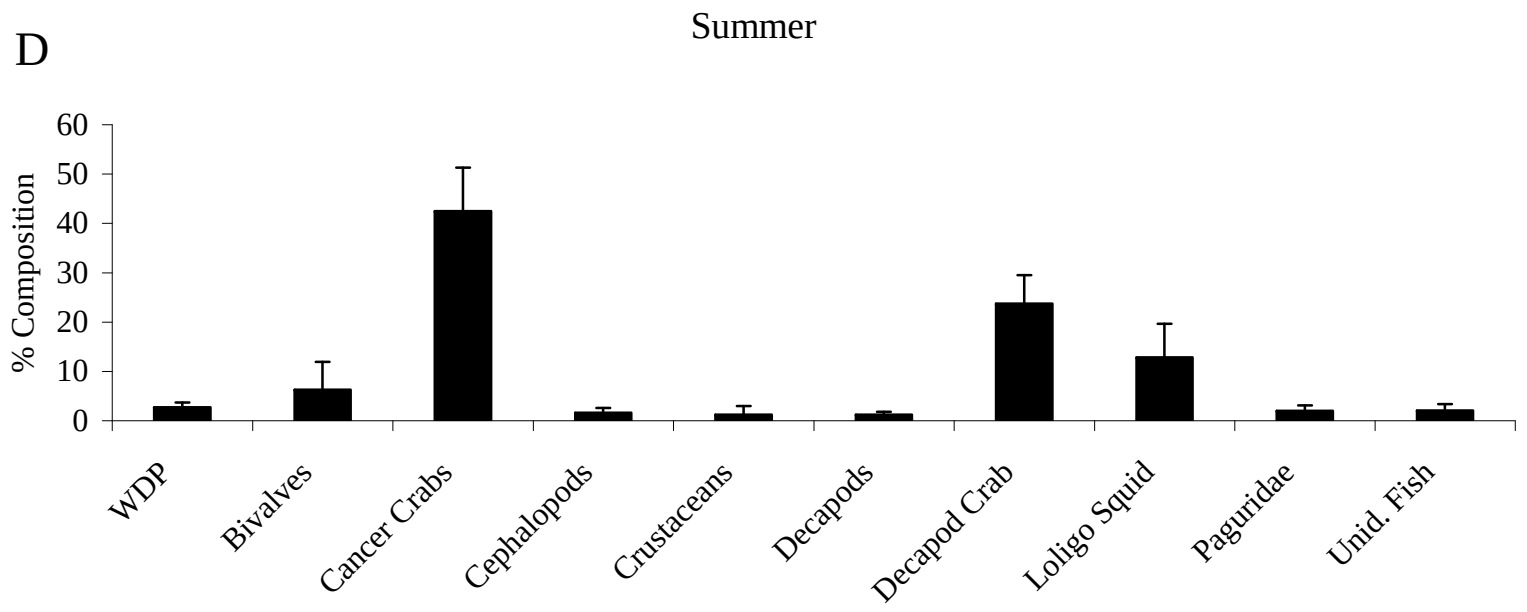

Figure 15D. Percent diet composition by weight of major prey taxa for smooth dogfish (*Mustelus* canis) collected in the summer (n = 253). WDP = well-digested prey; Unid. Fish = unidentified fish.

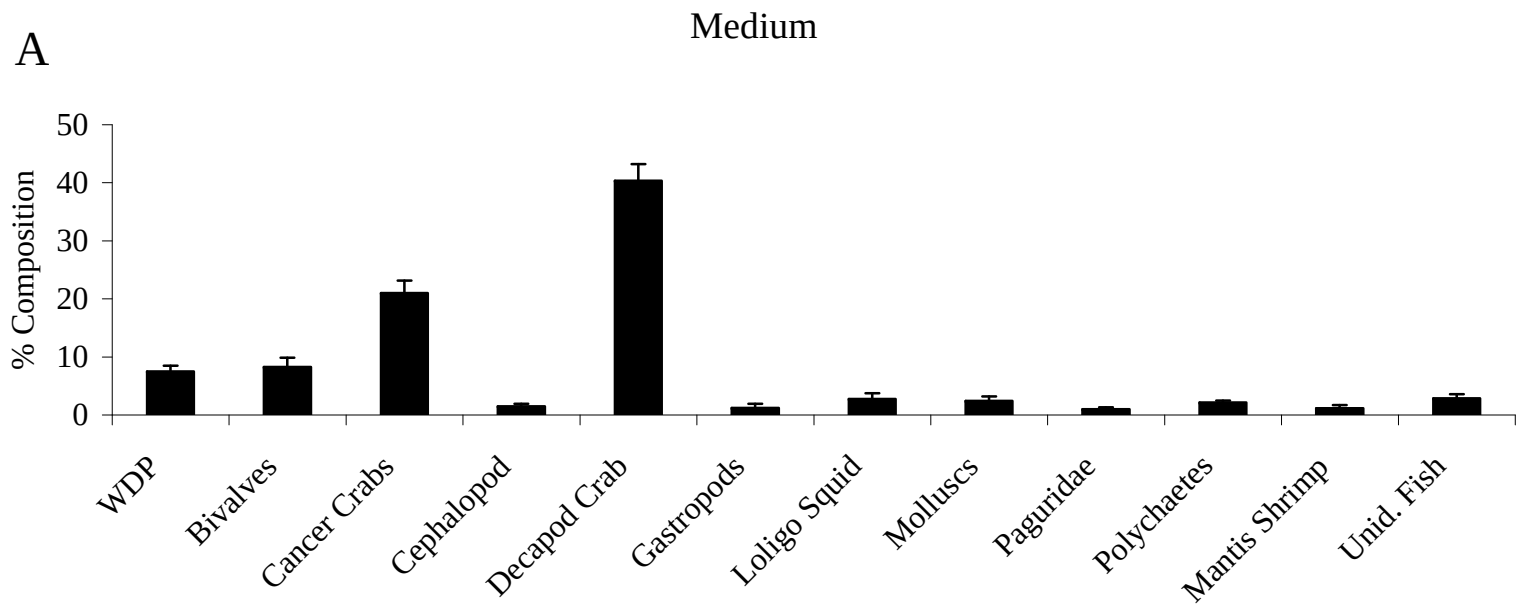

Figure 16A. Percent diet composition by weight of major prey taxa for smooth dogfish (*Mustelus* canis) in the medium size class (n = 2,581). WDP = well-digested prey; Unid. Fish = unidentified fish.

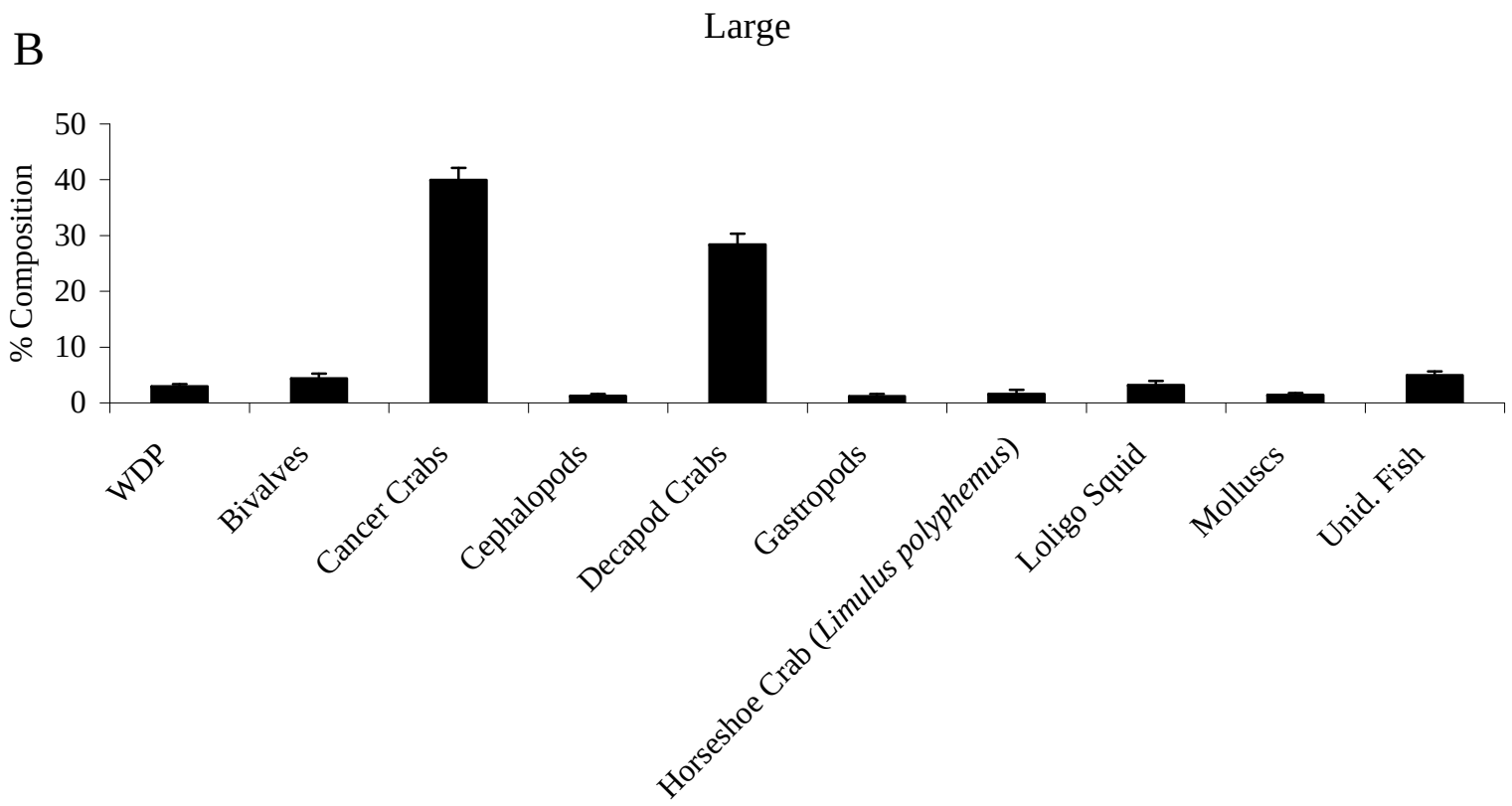

Figure 16B. Percent diet composition by weight of major prey taxa for smooth dogfish (*Mustelus* canis) in the large size class (n = 4,251). WDP = well-digested prey; Unid. Fish = unidentified fish.

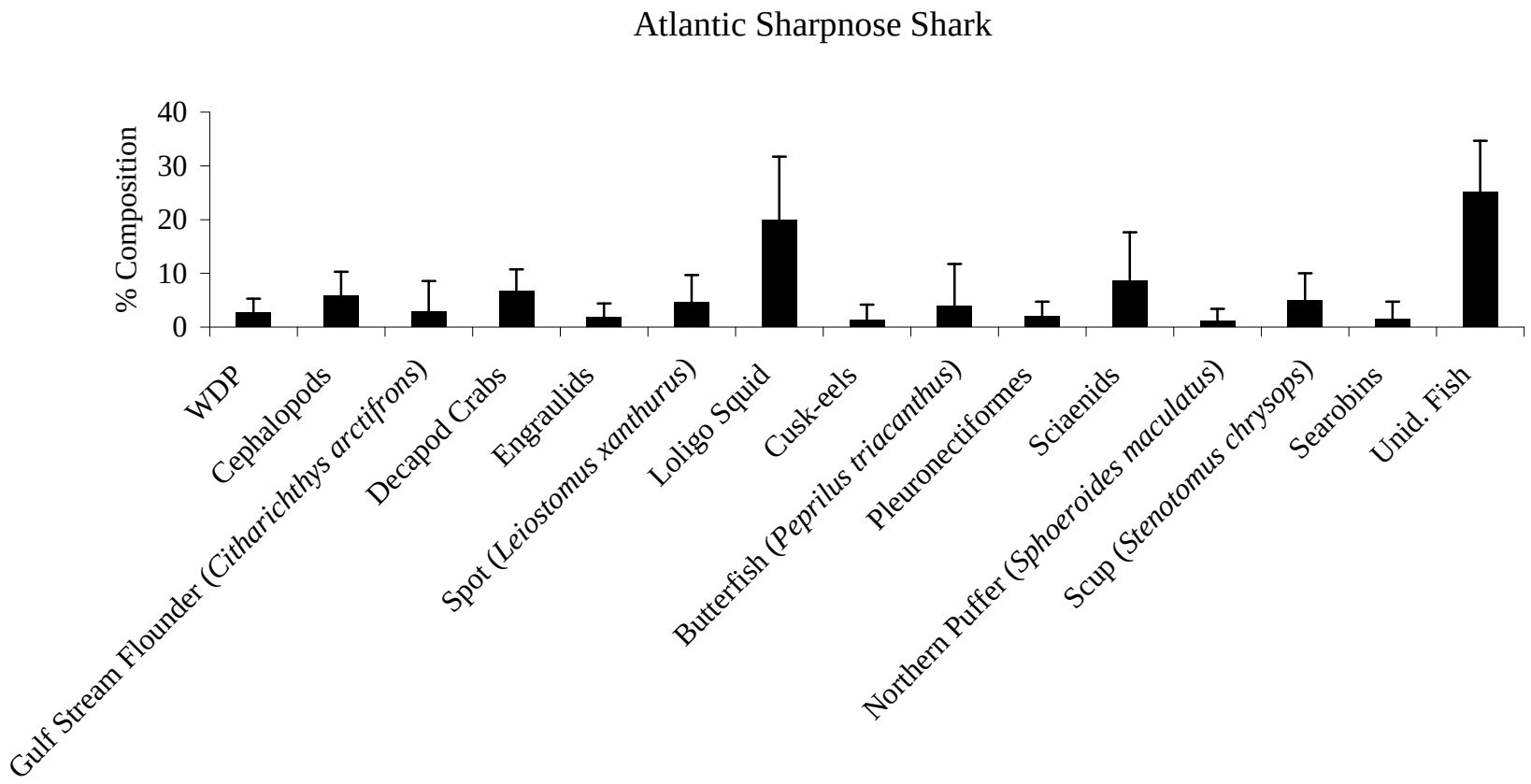

Figure 17. Percent diet composition by weight of major prey taxa for Atlantic sharpnose shark (*Rhizoprionodon terraenovae*; n = 217). WDP = well-digested prey; Unid. Fish = unidentified fish.

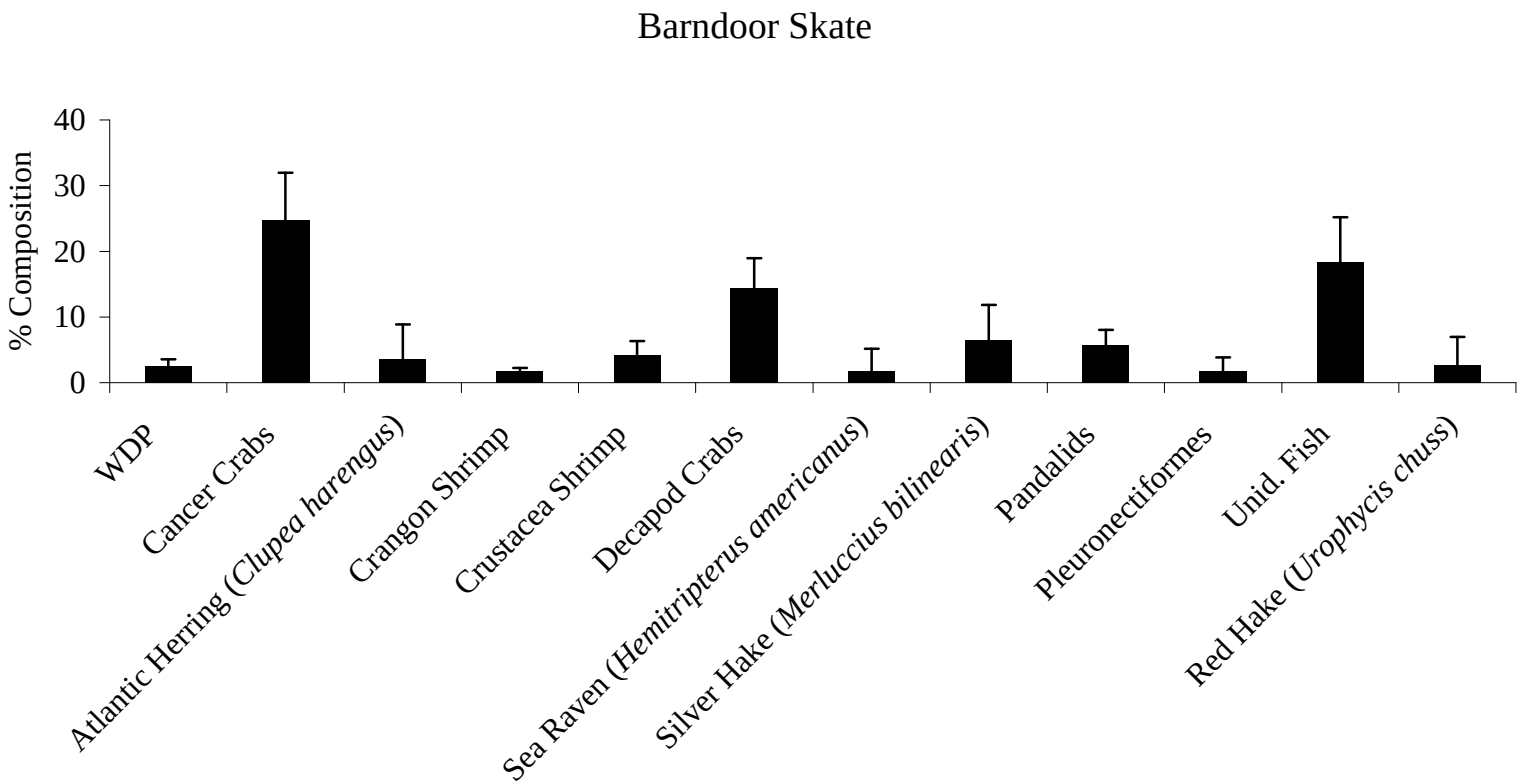

Figure 18. Percent diet composition by weight of major prey taxa for barndoor skate (*Dipturus laevis*; n = 655). WDP = well-digested prey; Unid. Fish = unidentified fish.

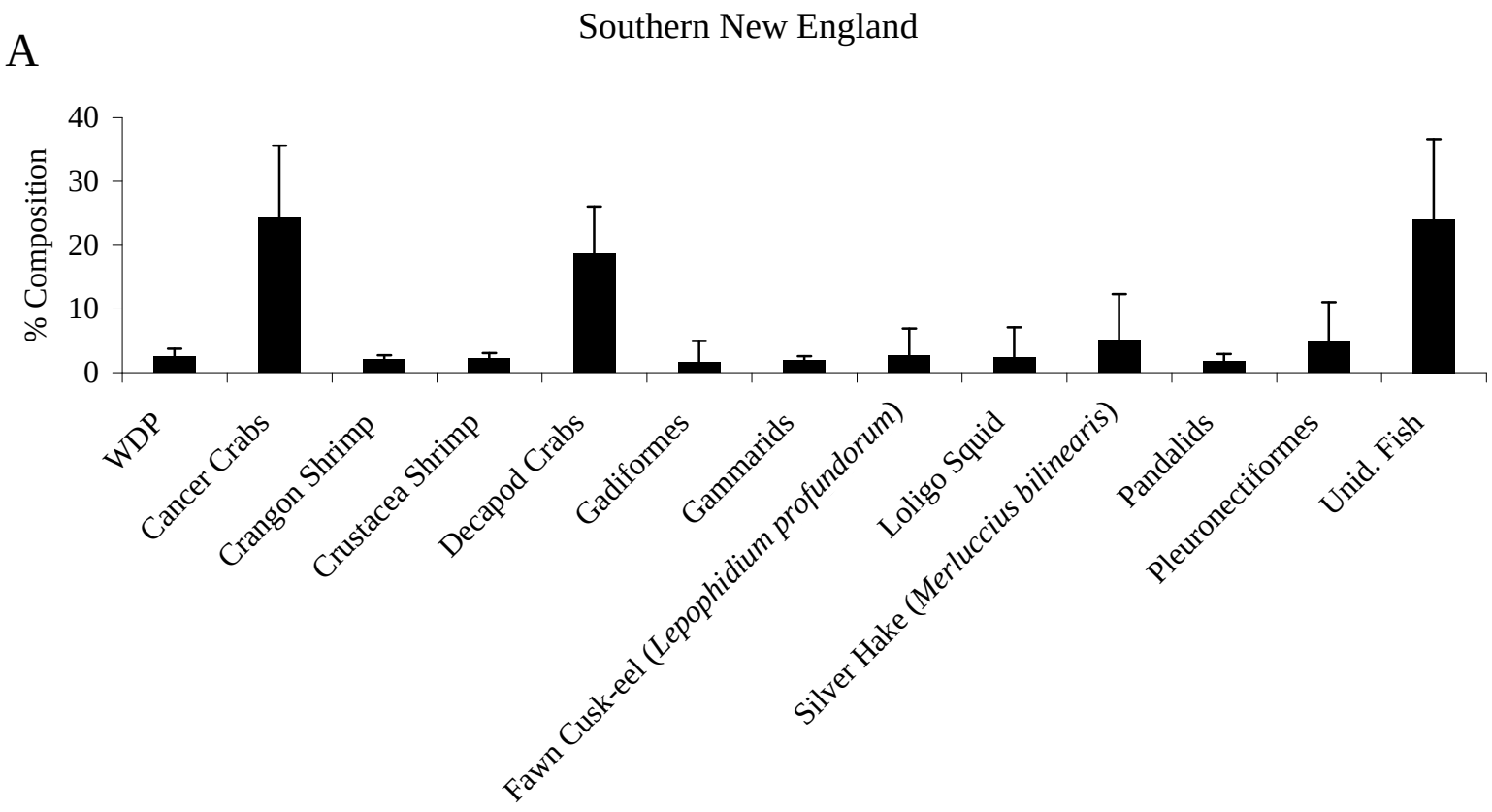

Figure 19A. Percent diet composition by weight of major prey taxa for barndoor skate (*Dipturus laevis*) collected in Southern New England (n = 326). WDP = well-digested prey; Unid. Fish = unidentified fish.

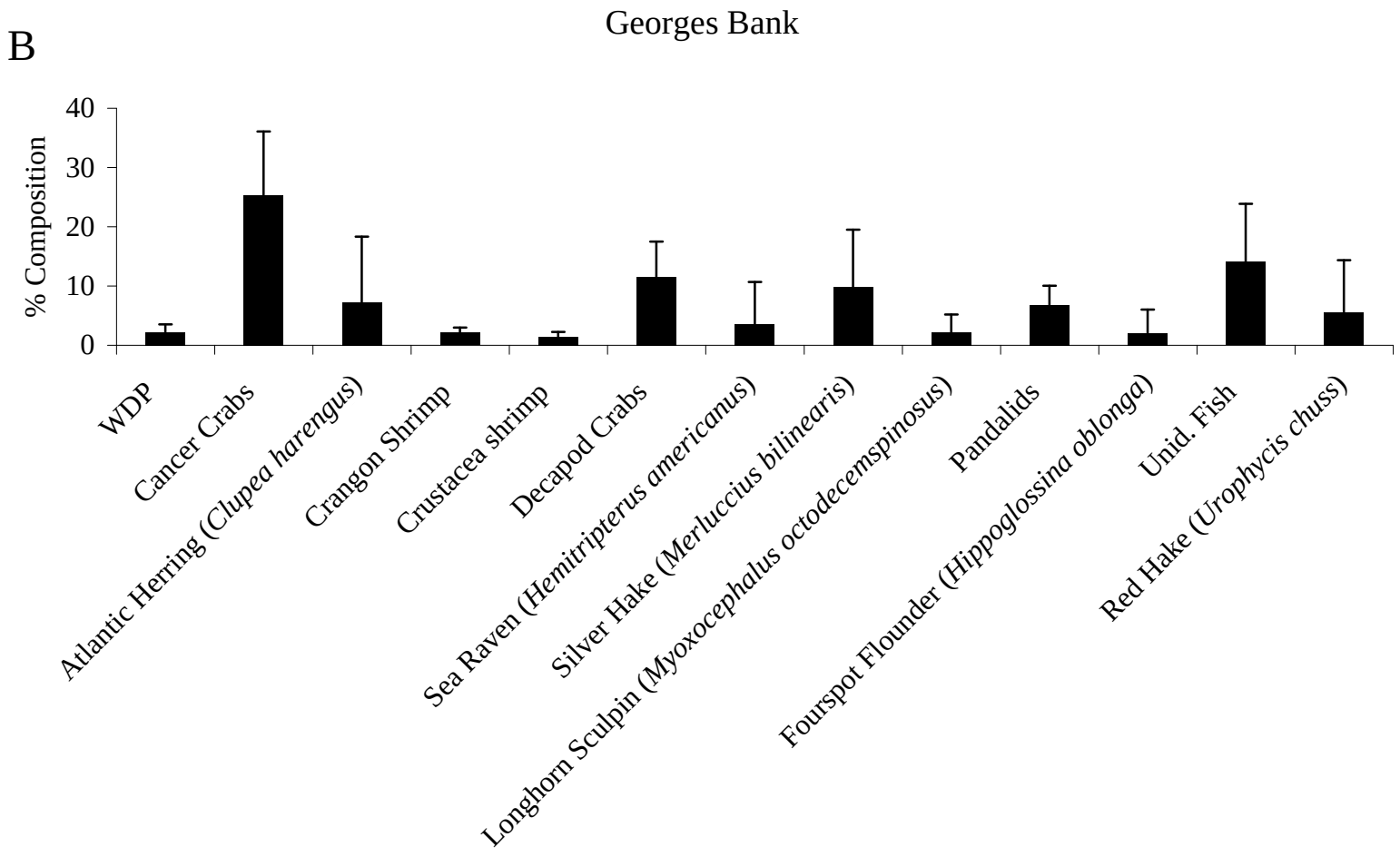

Figure 19B. Percent diet composition by weight of major prey taxa for barndoor skate (*Dipturus laevis*) collected collected on Georges Bank (n = 277). WDP = well-digested prey; Unid. Fish = unidentified fish.

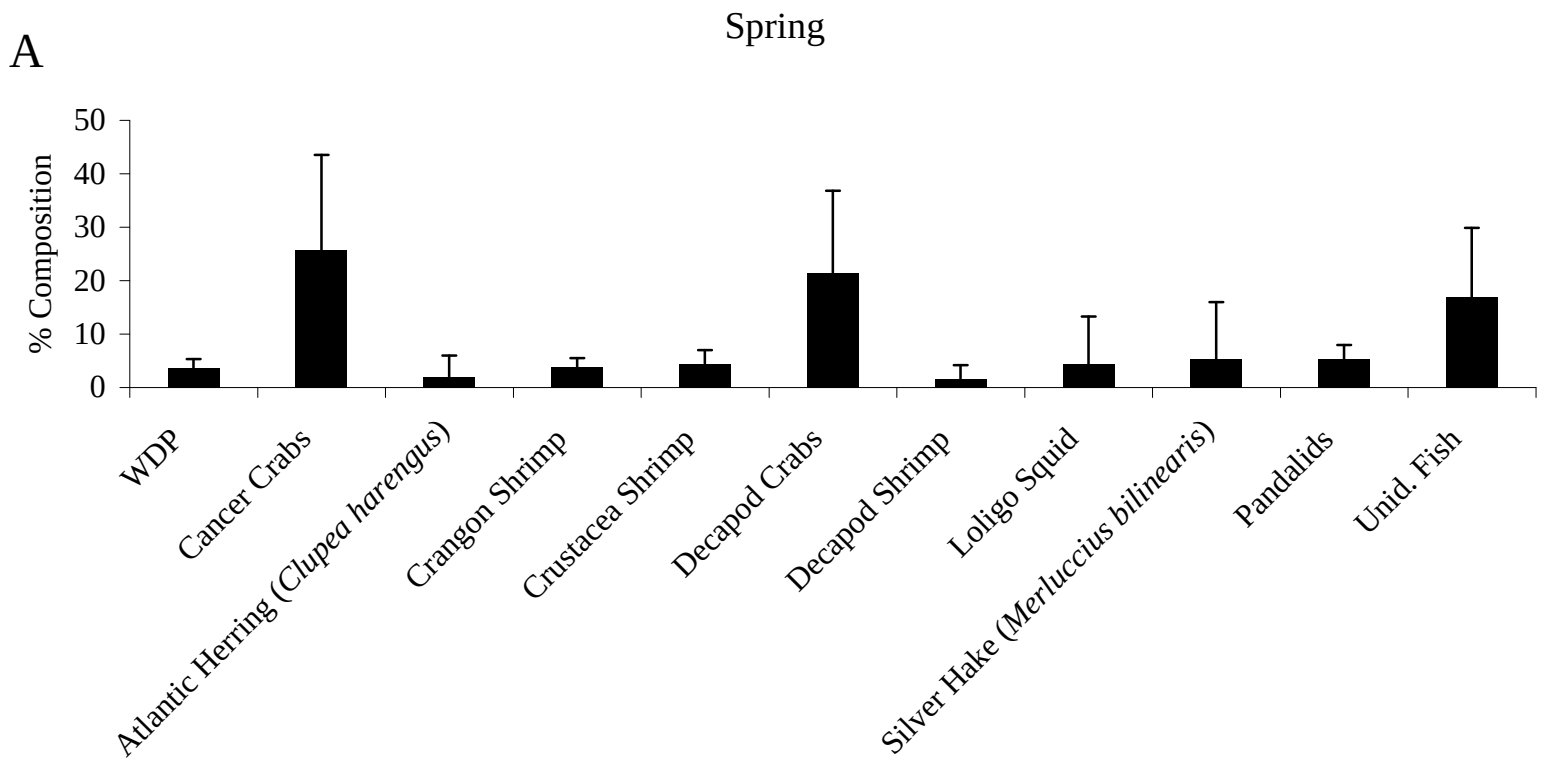

Figure 20A. Percent diet composition by weight of major prey taxa for barndoor skate (*Dipturus laevis*) collected in the spring (n = 200). WDP = well-digested prey; Unid. Fish = unidentified fish.

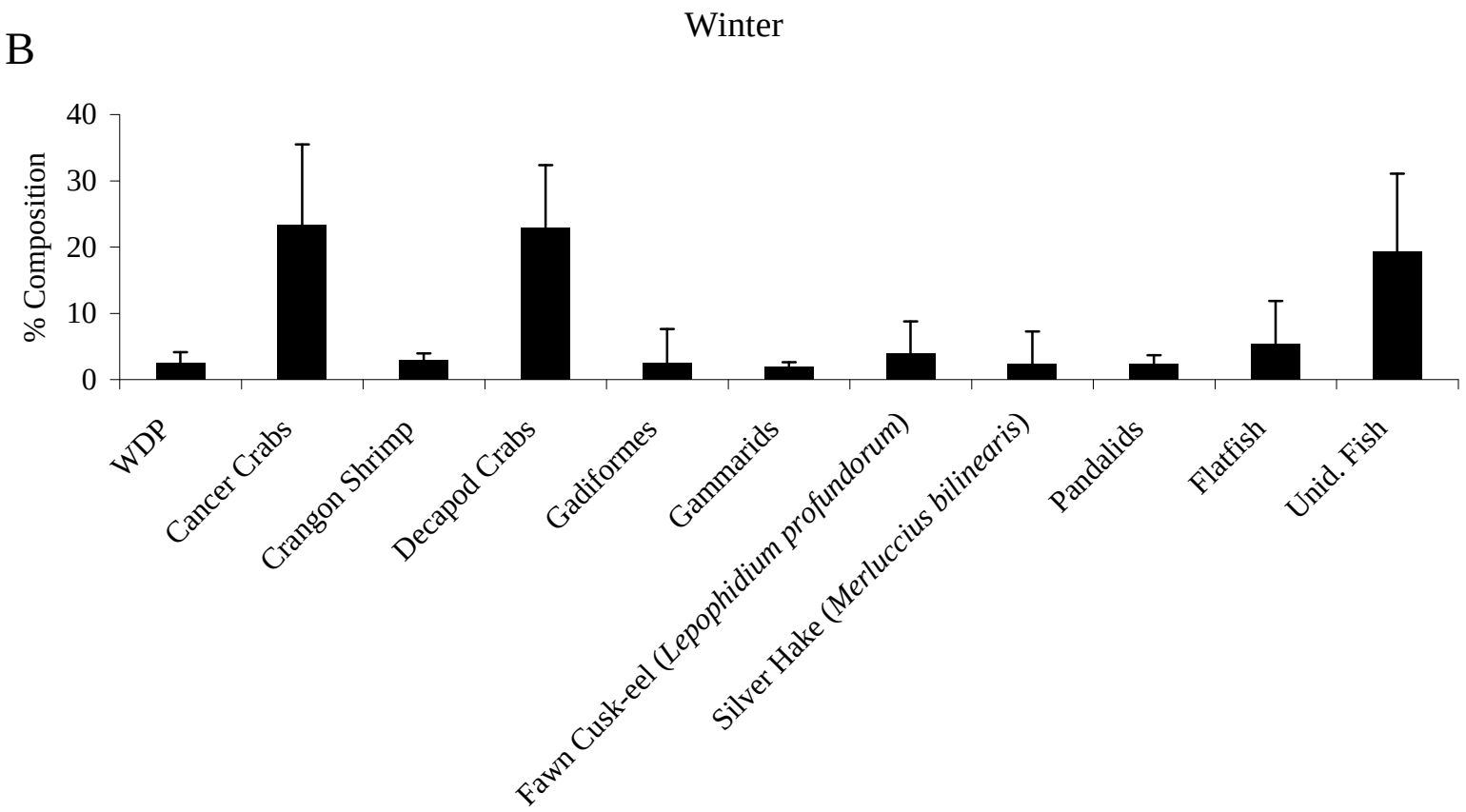

Figure 20B. Percent diet composition by weight of major prey taxa for barndoor skate (*Dipturus laevis*) collected collected in the winter (n = 291). WDP = well-digested prey; Unid. Fish = unidentified fish.

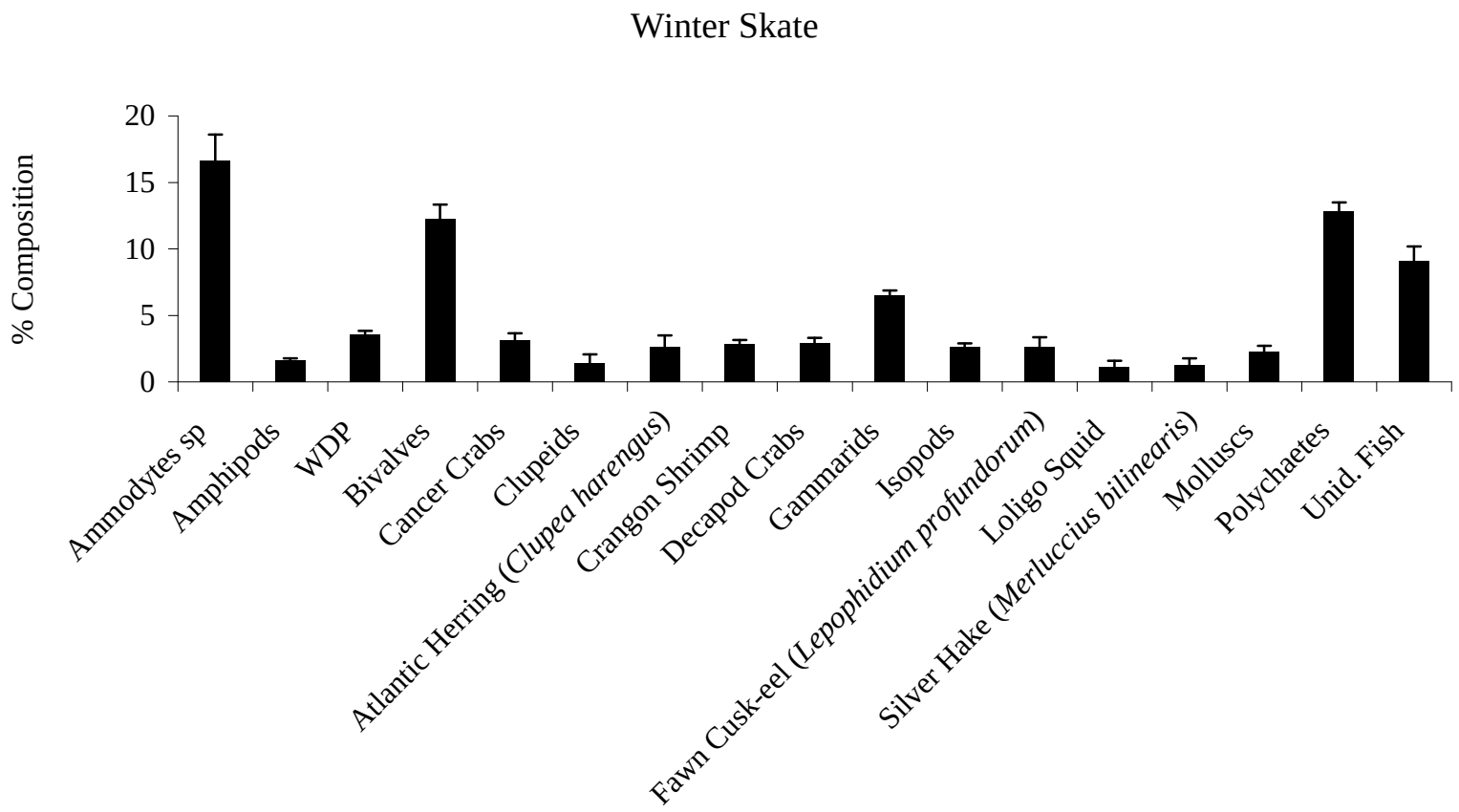

Figure 21. Percent diet composition by weight of major prey taxa for winter skate (*Leucoraja ocellata*; n = 17,143). WDP = well-digested prey; Unid. Fish = unidentified fish.

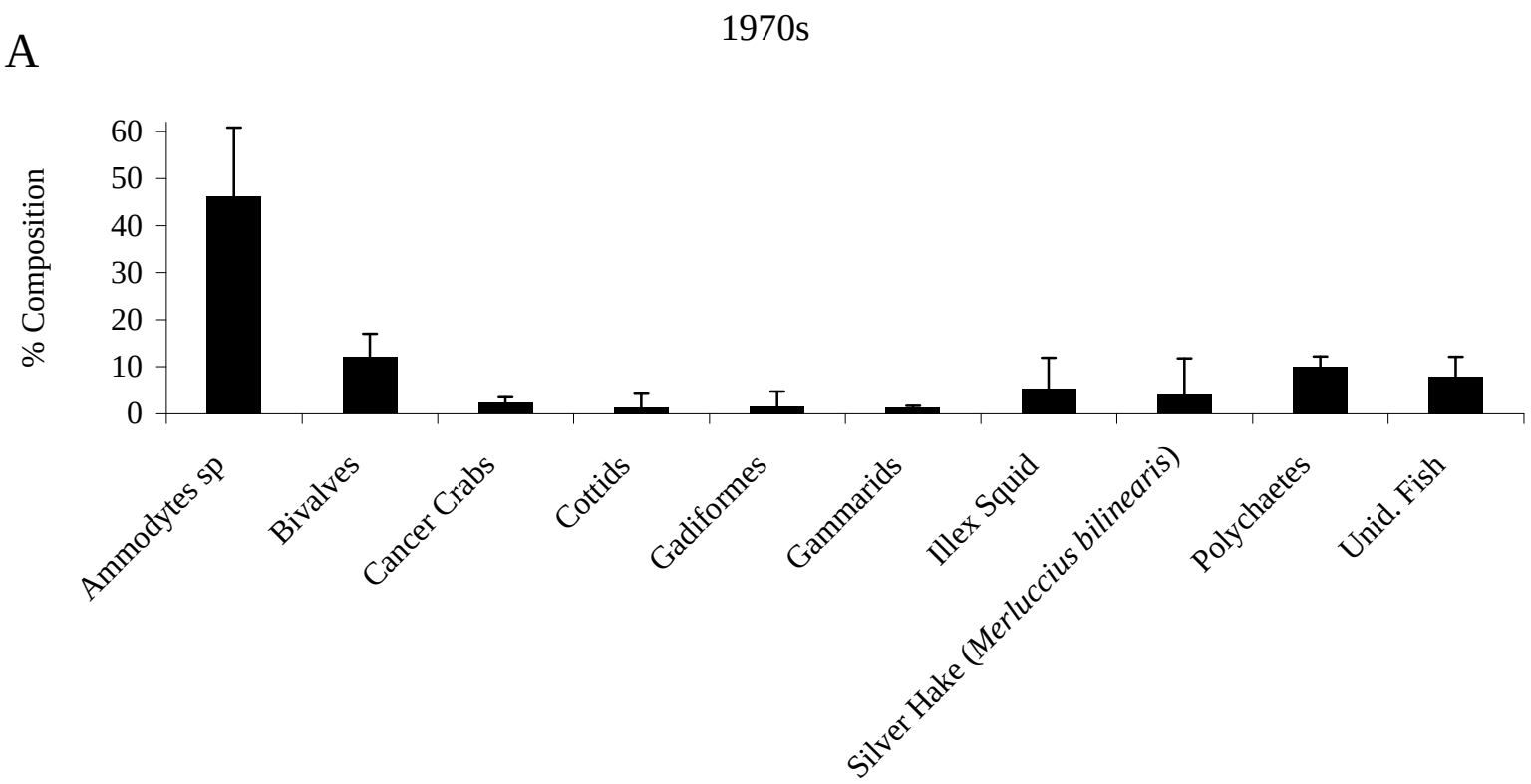

Figure 22A. Percent diet composition by weight of major prey taxa for winter skate (*Leucoraja ocellata*) collected in the 1970s (n = 479). Unid. Fish = unidentified fish.

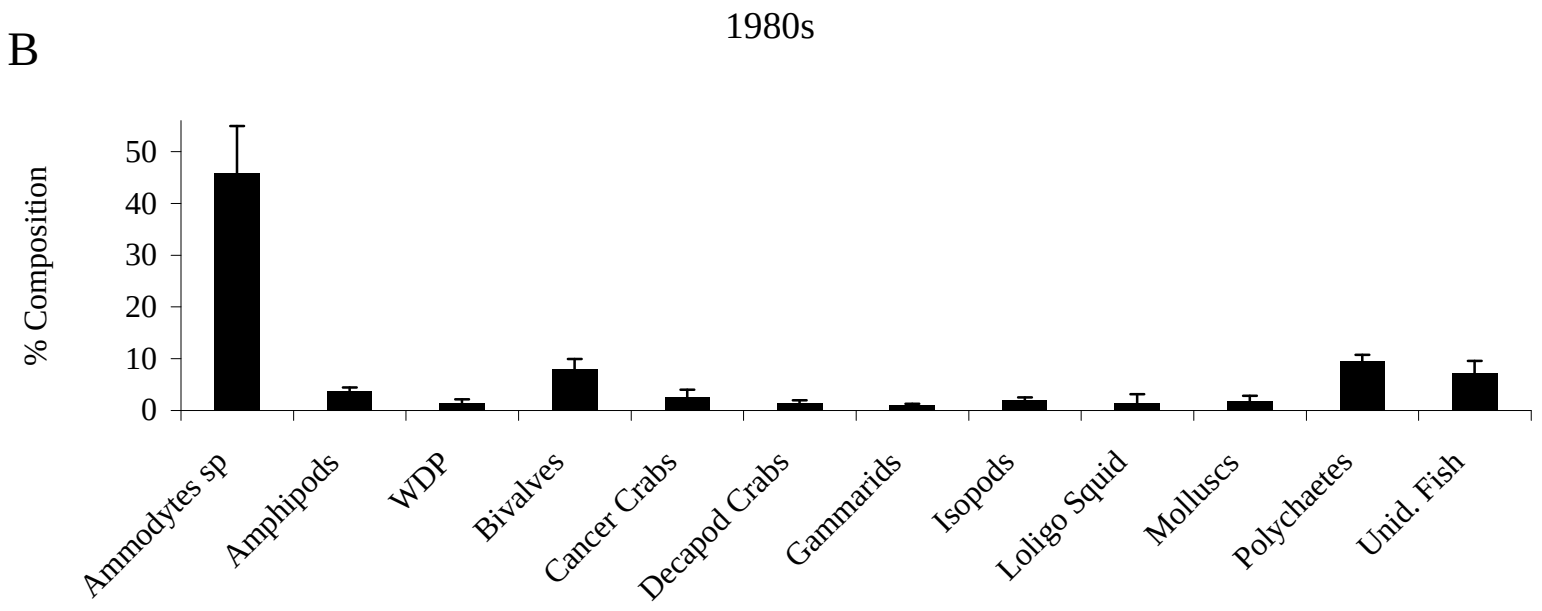

Figure 22B. Percent diet composition by weight of major prey taxa for winter skate (*Leucoraja ocellata*) collected in the 1980s (n = 3,225). WDP = well-digested prey; Unid. Fish = unidentified fish.

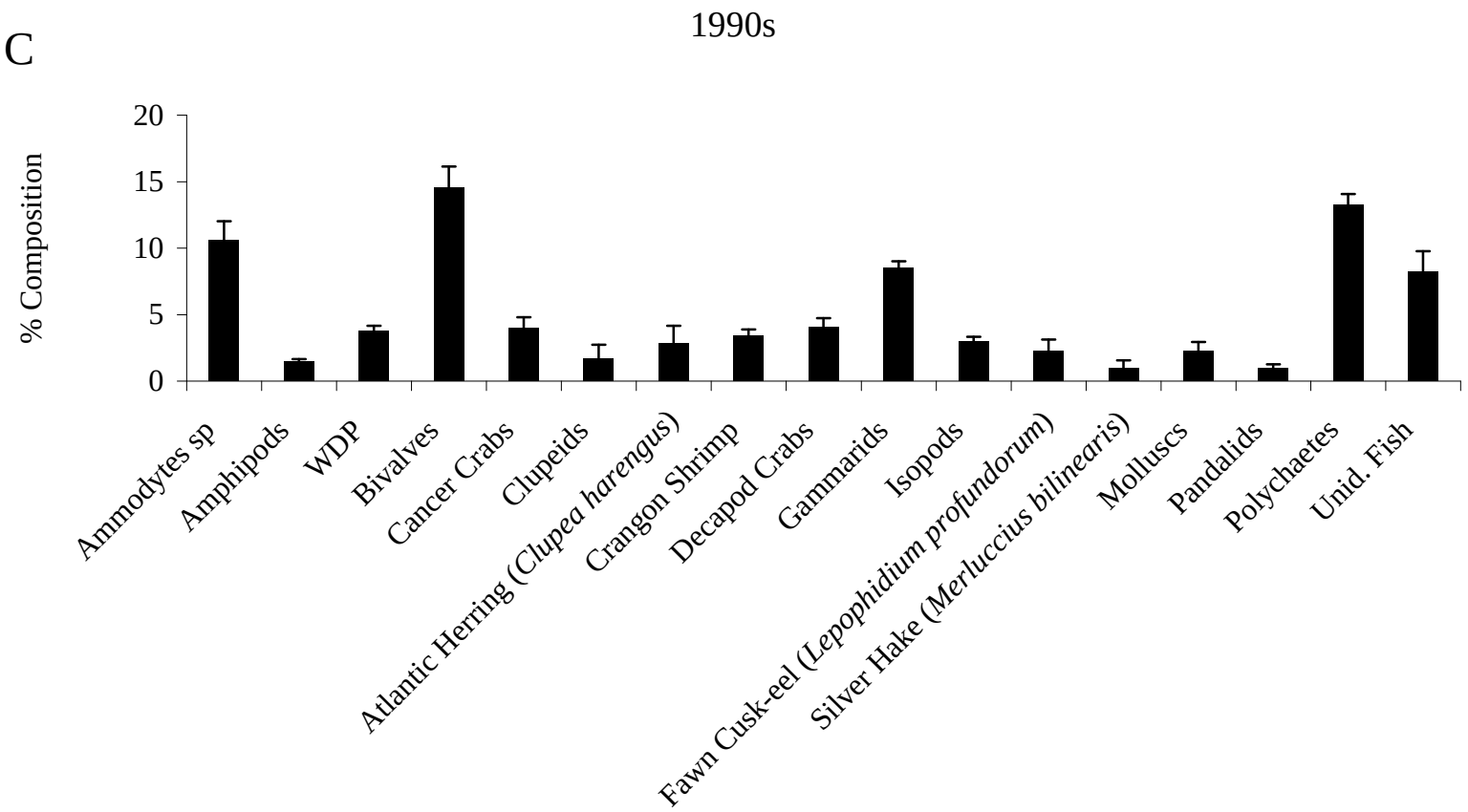

Figure 22C. Percent diet composition by weight of major prey taxa for winter skate (*Leucoraja ocellata*) collected in the 1990s (n = 9,708). WDP = well-digested prey; Unid. Fish = unidentified fish.

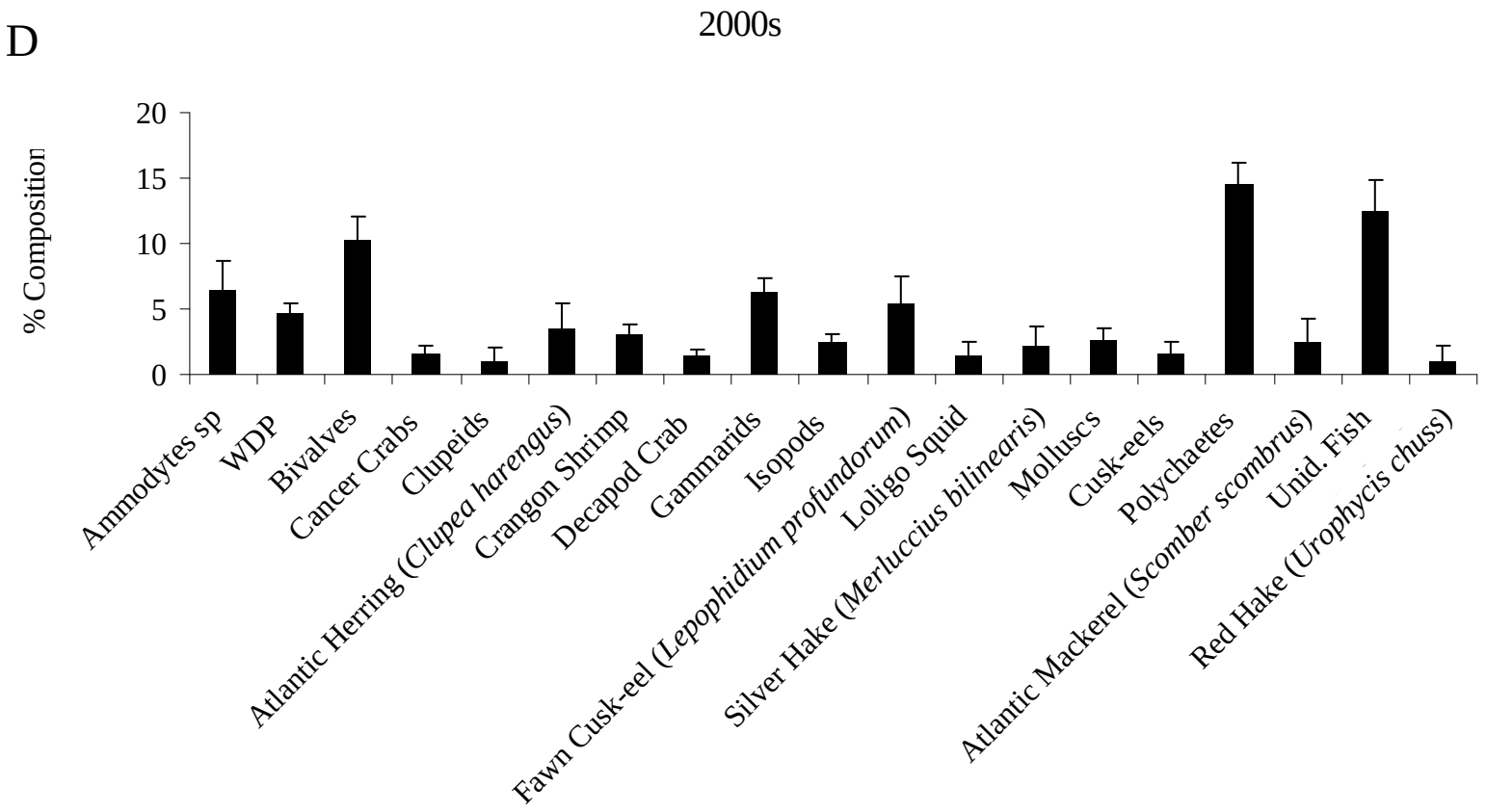

Figure 22D. Percent diet composition by weight of major prey taxa for winter skate (*Leucoraja ocellata*) collected in the 2000s (n = 3,731). WDP = well-digested prey; Unid. Fish = unidentified fish.

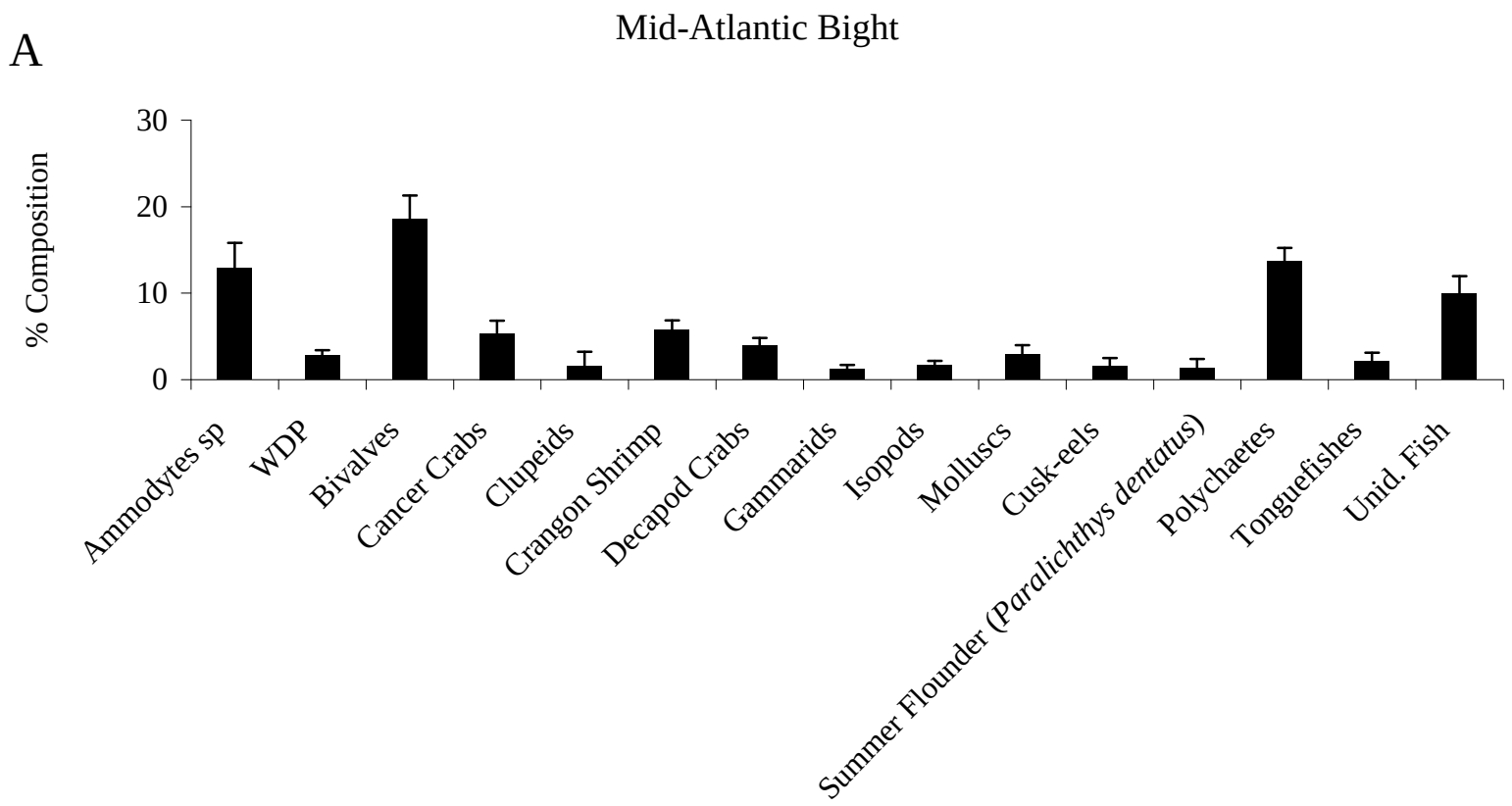

Figure 23A. Percent diet composition by weight of major prey taxa for winter skate (*Leucoraja ocellata*) collected collected in the Mid-Atlantic Bight (n = 1,970). WDP = well-digested prey; Unid. Fish = unidentified fish.

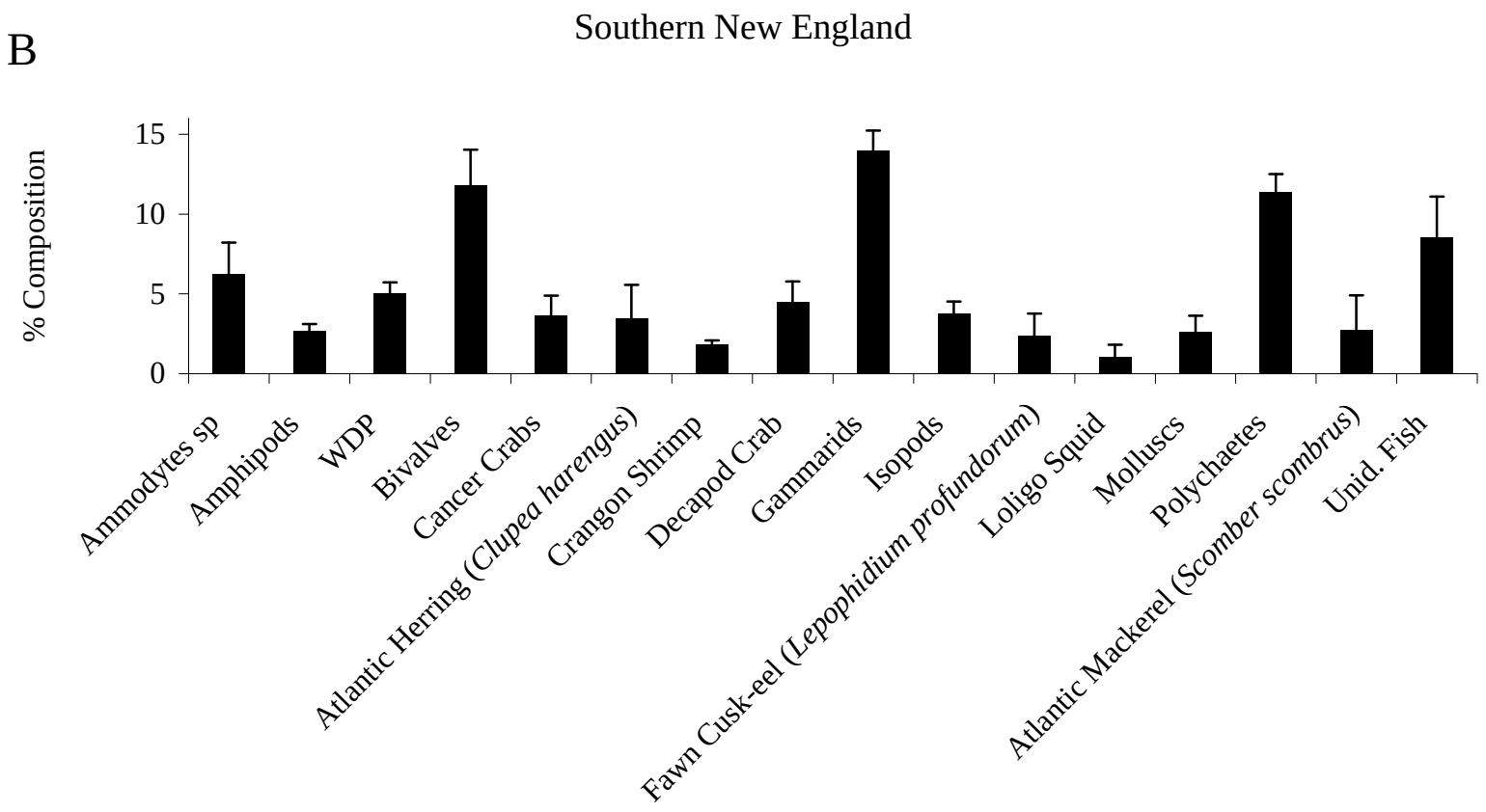

Figure 23B. Percent diet composition by weight of major prey taxa for winter skate (*Leucoraja ocellata*) collected collected in Southern New England (n = 4,574). WDP = well-digested prey; Unid. Fish = unidentified fish.

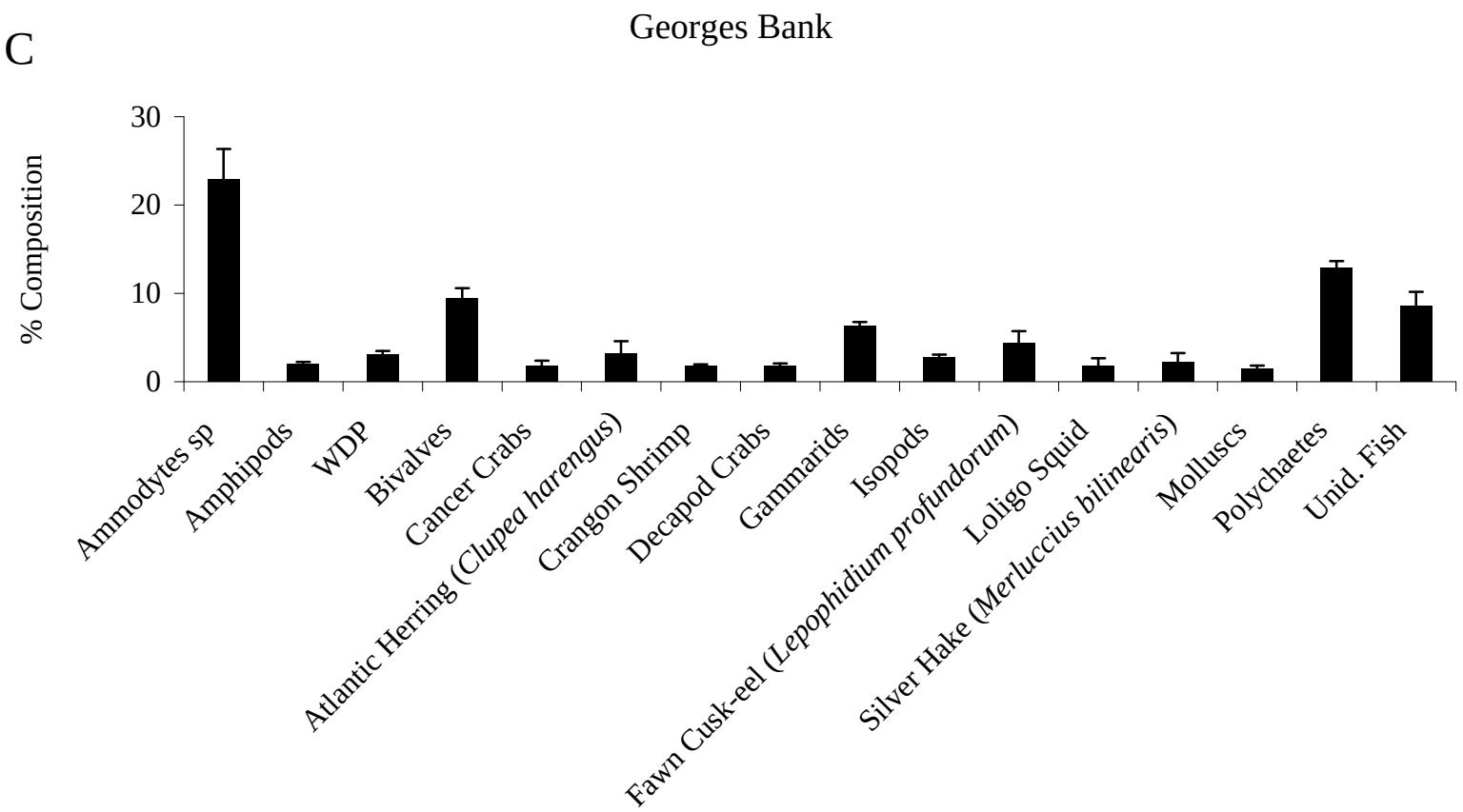

Figure 23C. Percent diet composition by weight of major prey taxa for winter skate (*Leucoraja ocellata*) collected on Georges Bank (n = 10,011). WDP = well-digested prey; Unid. Fish = unidentified fish.

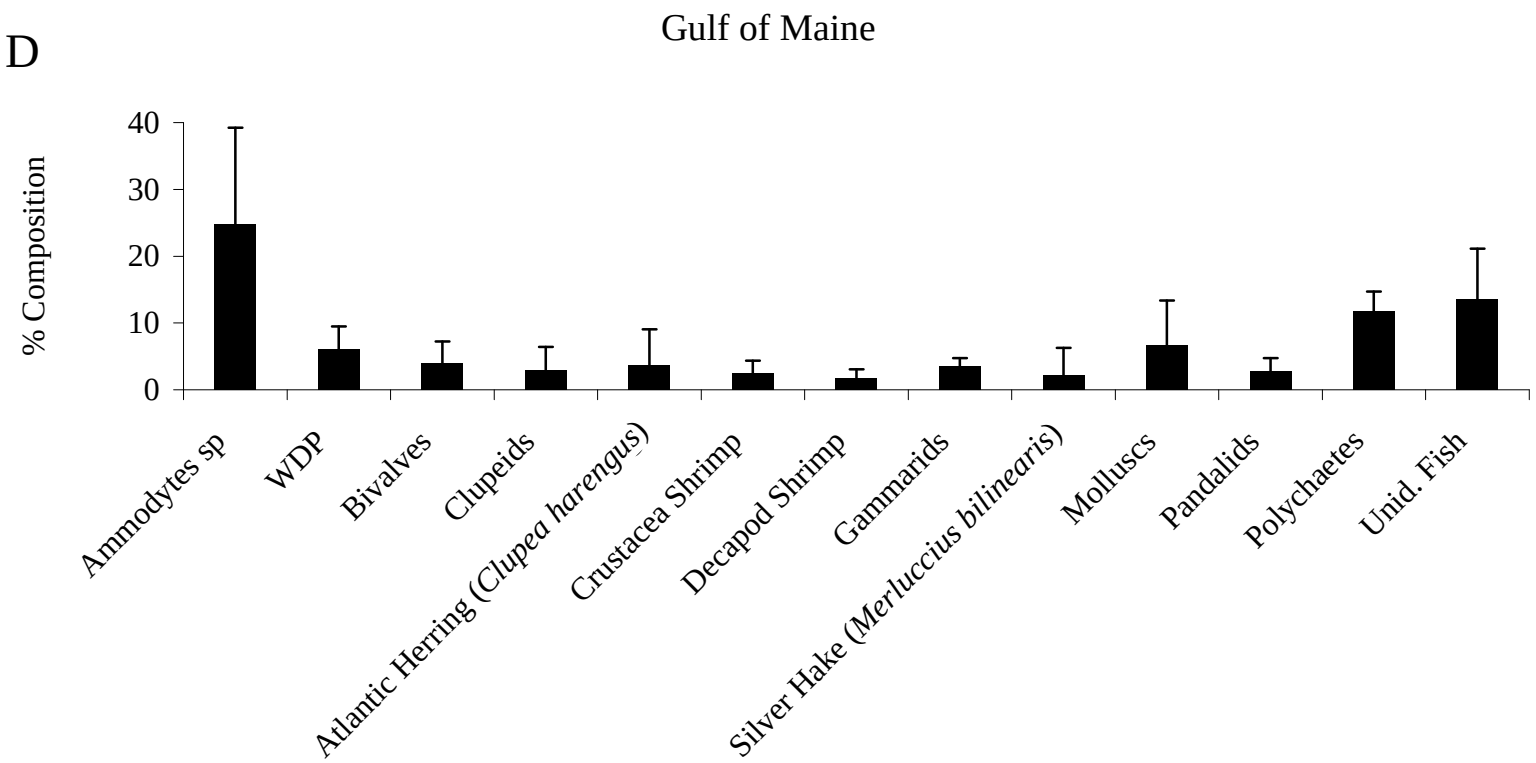

Figure 23D. Percent diet composition by weight of major prey taxa for winter skate (*Leucoraja ocellata*) collected in the Gulf of Maine (n = 522). WDP = well-digested prey; Unid. Fish = unidentified fish.

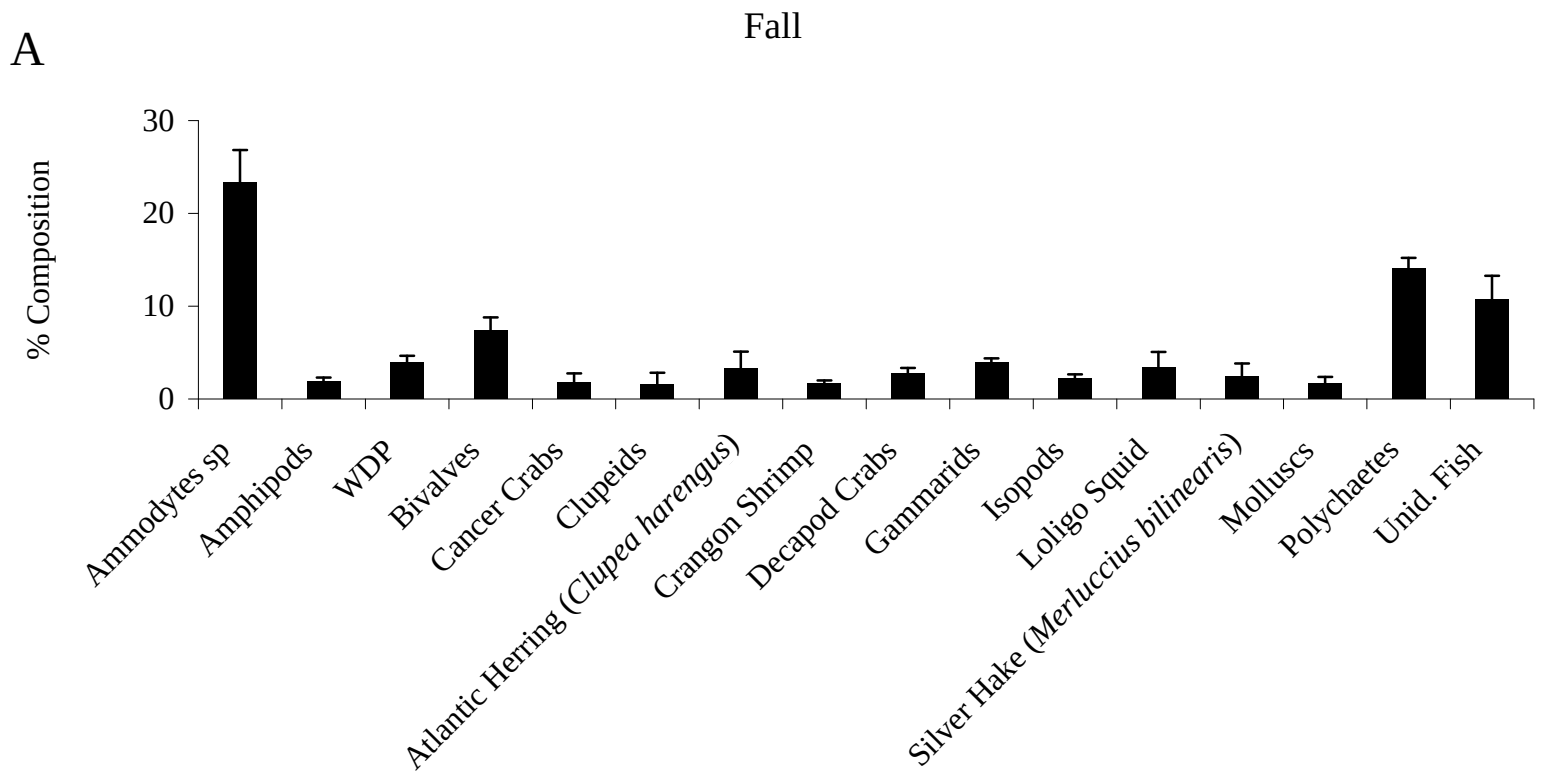

Figure 24A. Percent diet composition by weight of major prey taxa for winter skate (*Leucoraja ocellata*) collected in the fall (n = 5,786). WDP = well-digested prey; Unid. Fish = unidentified fish.

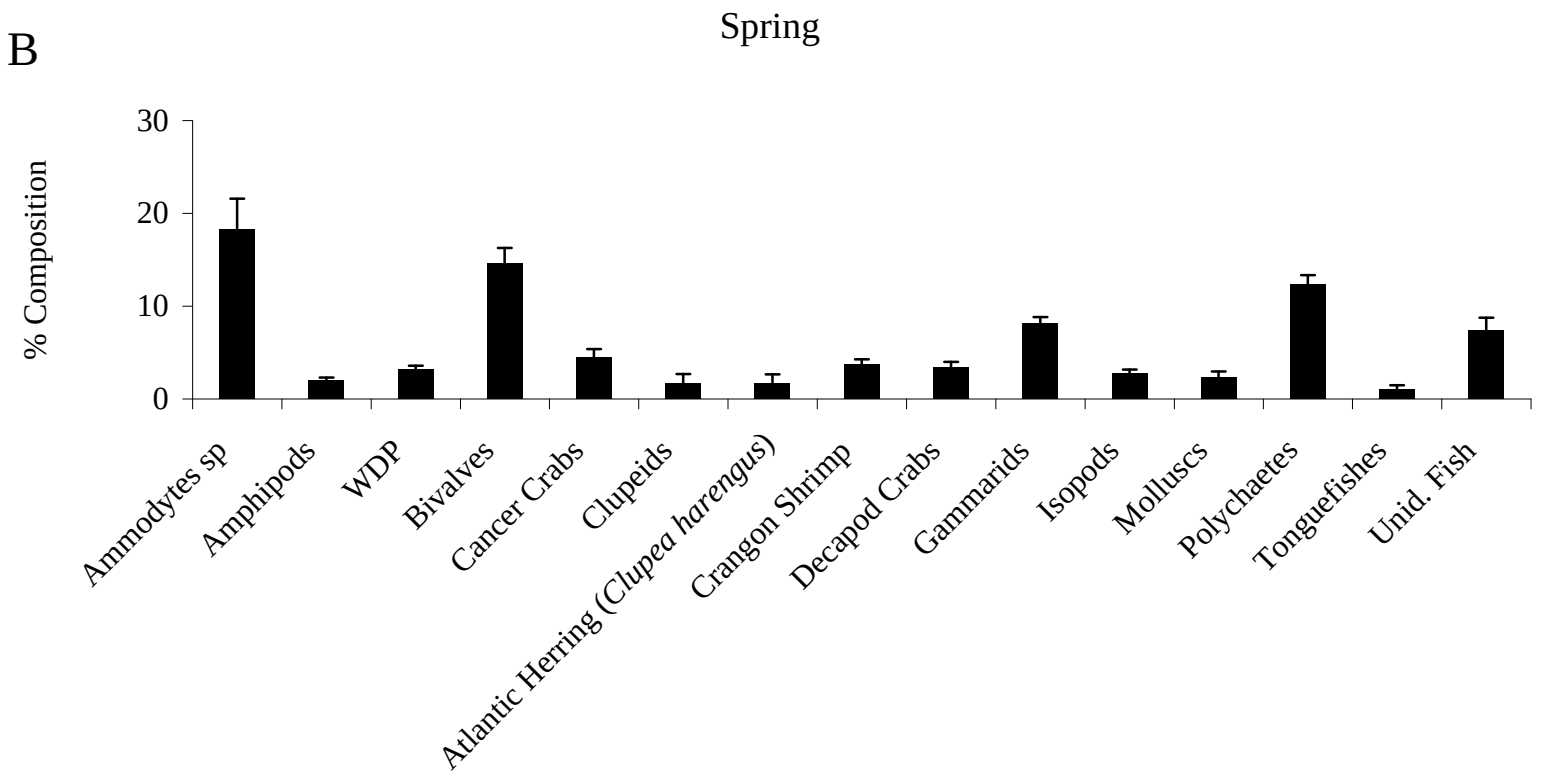

Figure 24B. Percent diet composition by weight of major prey taxa for winter skate (*Leucoraja ocellata*) collected in the spring (n = 7,741). WDP = well-digested prey; Unid. Fish = unidentified fish.

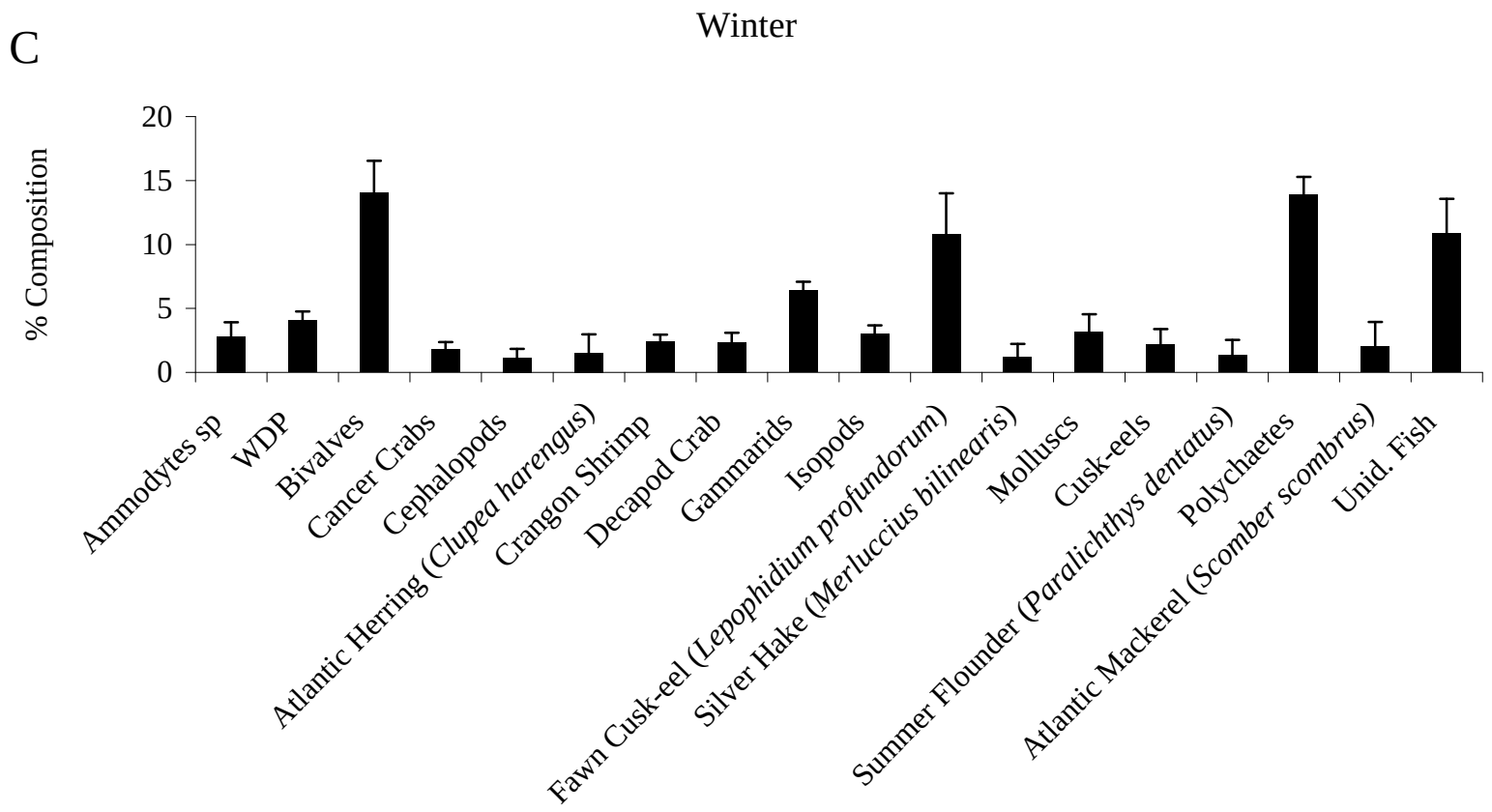

Figure 24C. Percent diet composition by weight of major prey taxa for winter skate (*Leucoraja ocellata*) collected in the winter (n = 3,074). WDP = well-digested prey; Unid. Fish = unidentified fish.

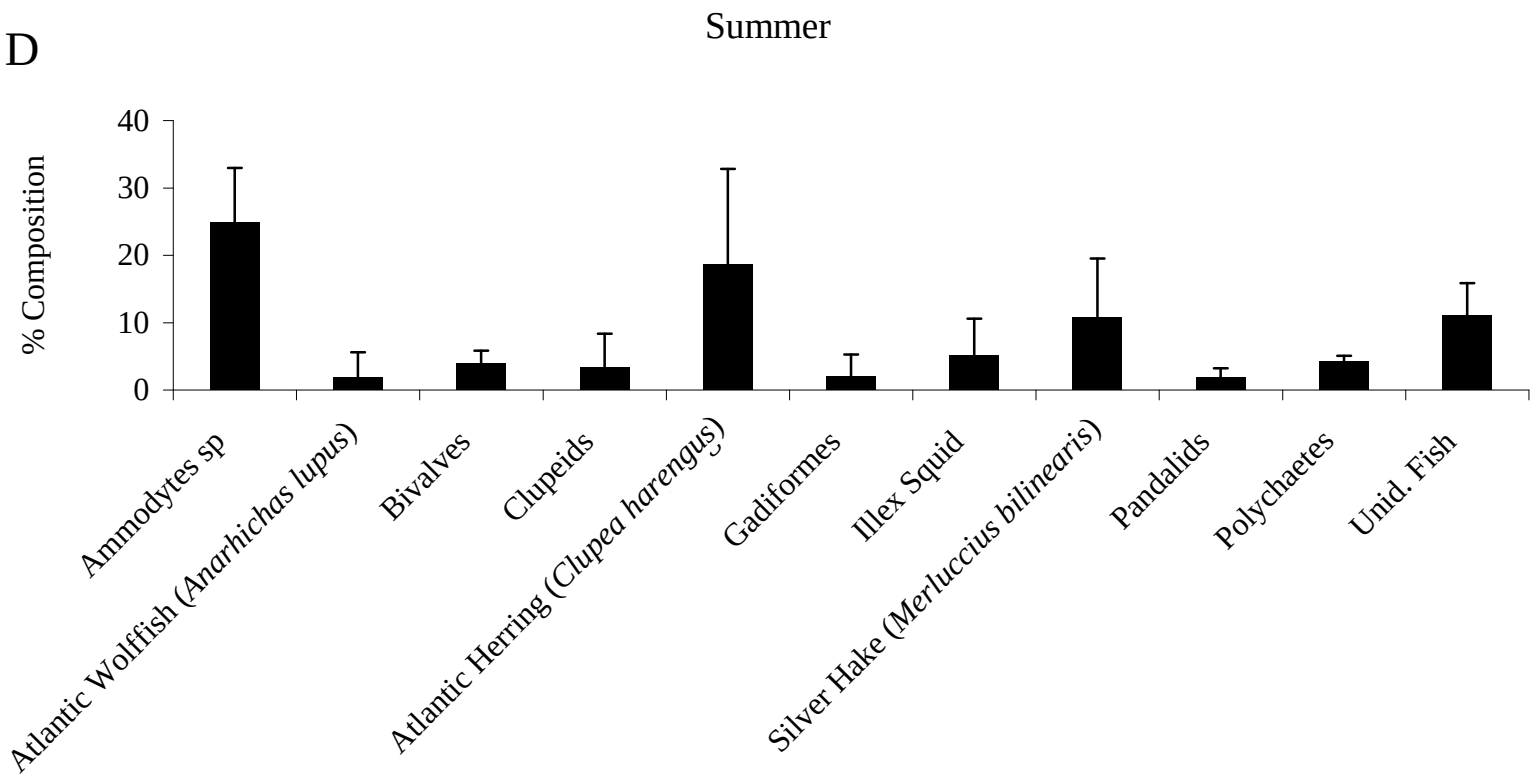

Figure 24D. Percent diet composition by weight of major prey taxa for winter skate (*Leucoraja ocellata*) collected in the summer (n = 542). Unid. Fish = unidentified fish.

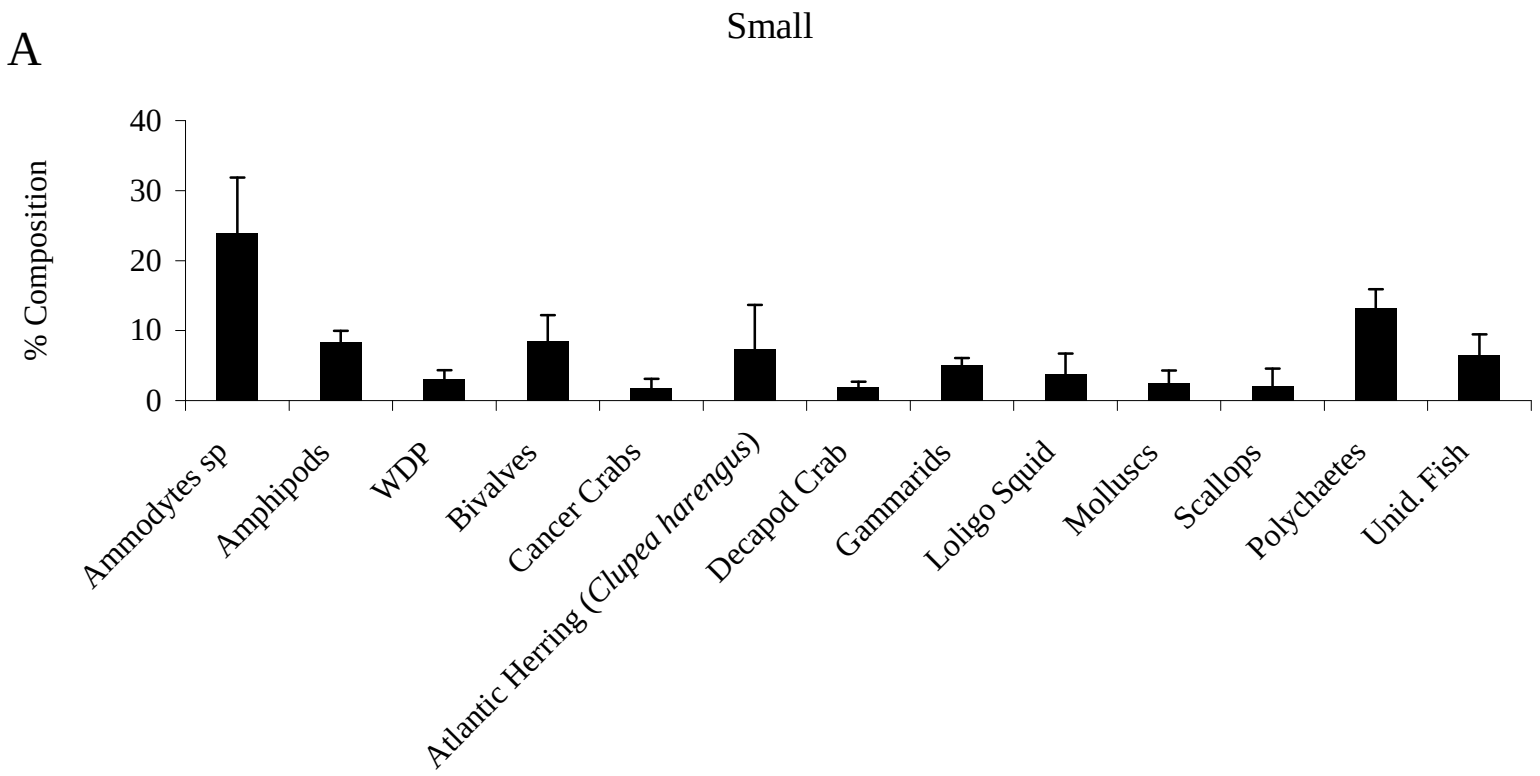

Figure 25A. Percent diet composition by weight of major prey taxa for winter skate (*Leucoraja ocellata*) in the small size class (n = 1,207). WDP = well-digested prey; Unid. Fish = unidentified fish.

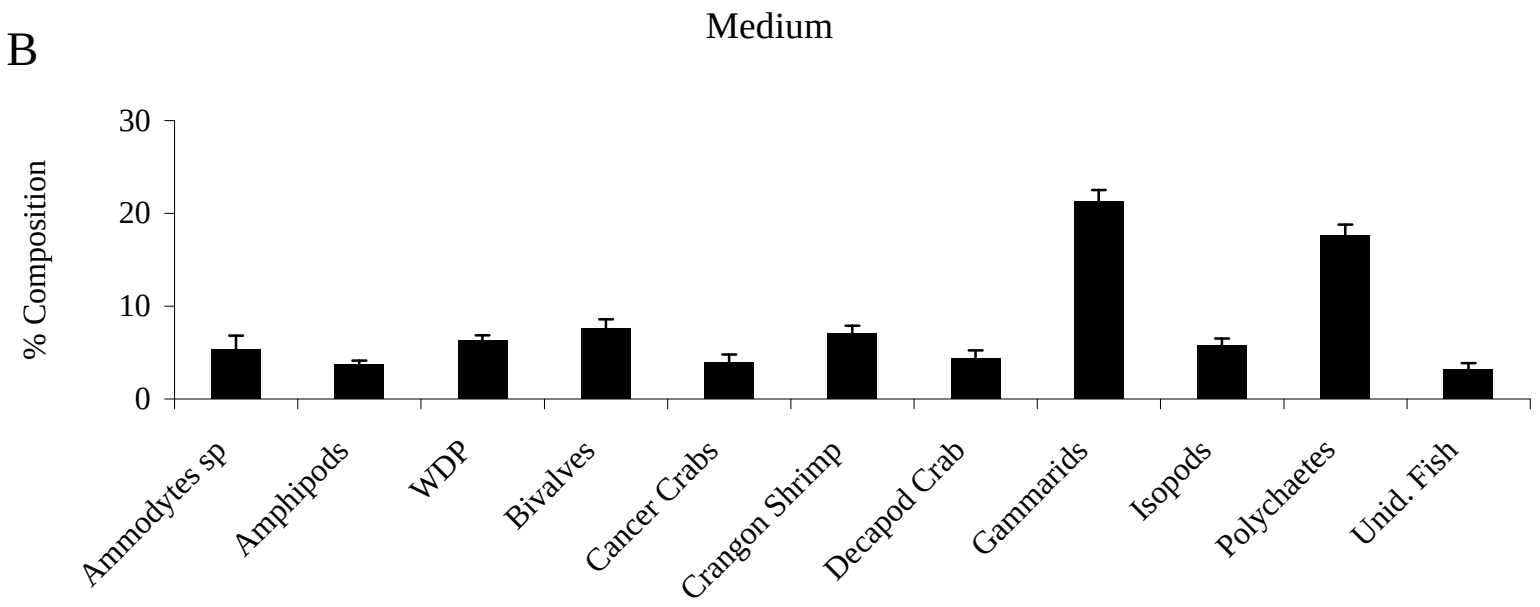

Figure 25B. Percent diet composition by weight of major prey taxa for winter skate (*Leucoraja ocellata*) in the medium size class (n = 8,538). WDP = well-digested prey; Unid. Fish = unidentified fish.

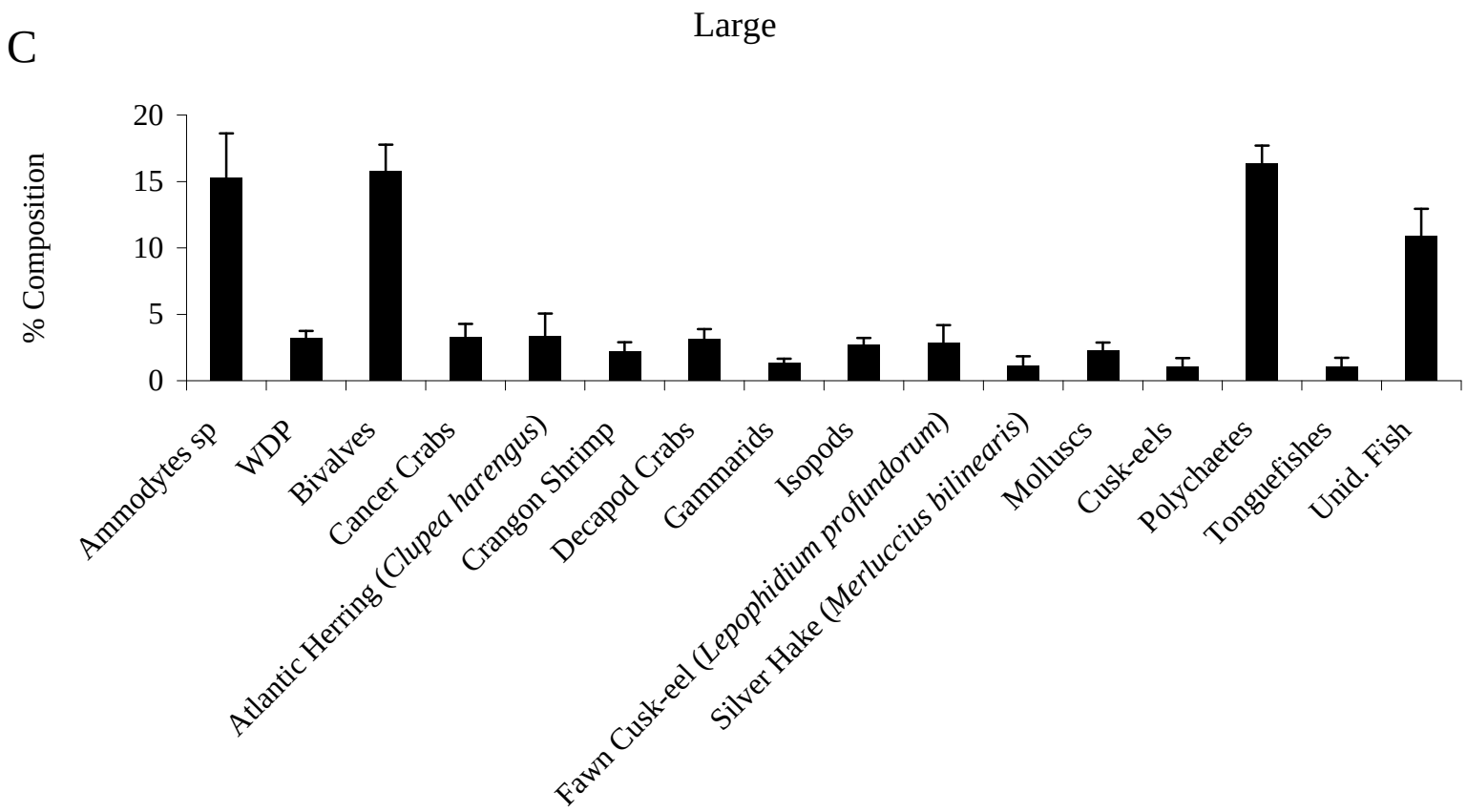

Figure 25C. Percent diet composition by weight of major prey taxa for winter skate (*Leucoraja ocellata*) in the large size class (n = 4,333). WDP = well-digested prey; Unid. Fish = unidentified fish.

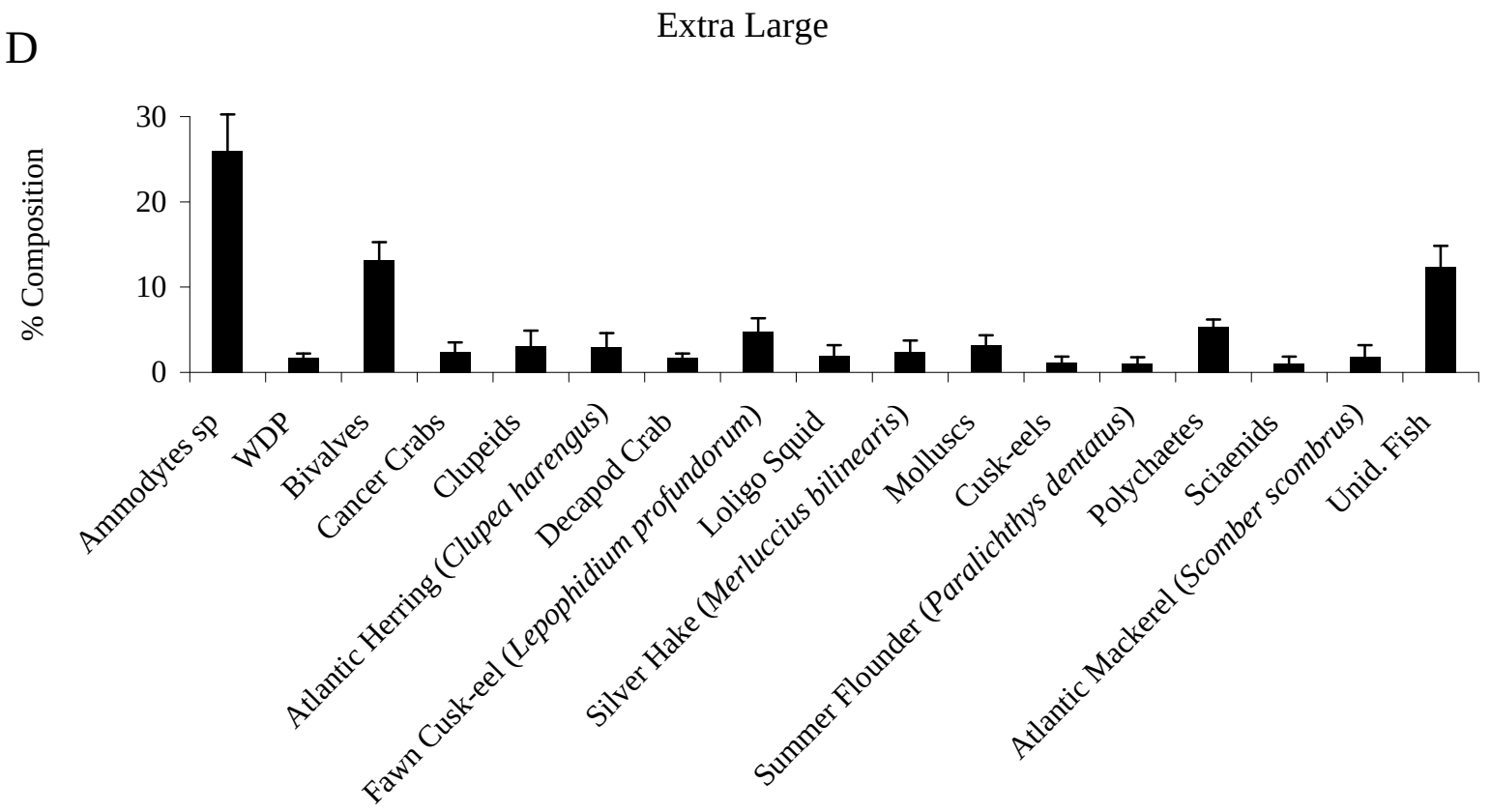

Figure 25D. Percent diet composition by weight of major prey taxa for winter skate (*Leucoraja ocellata*) in the extra-large size class (n = 3,065). WDP = well-digested prey; Unid. Fish = unidentified fish.

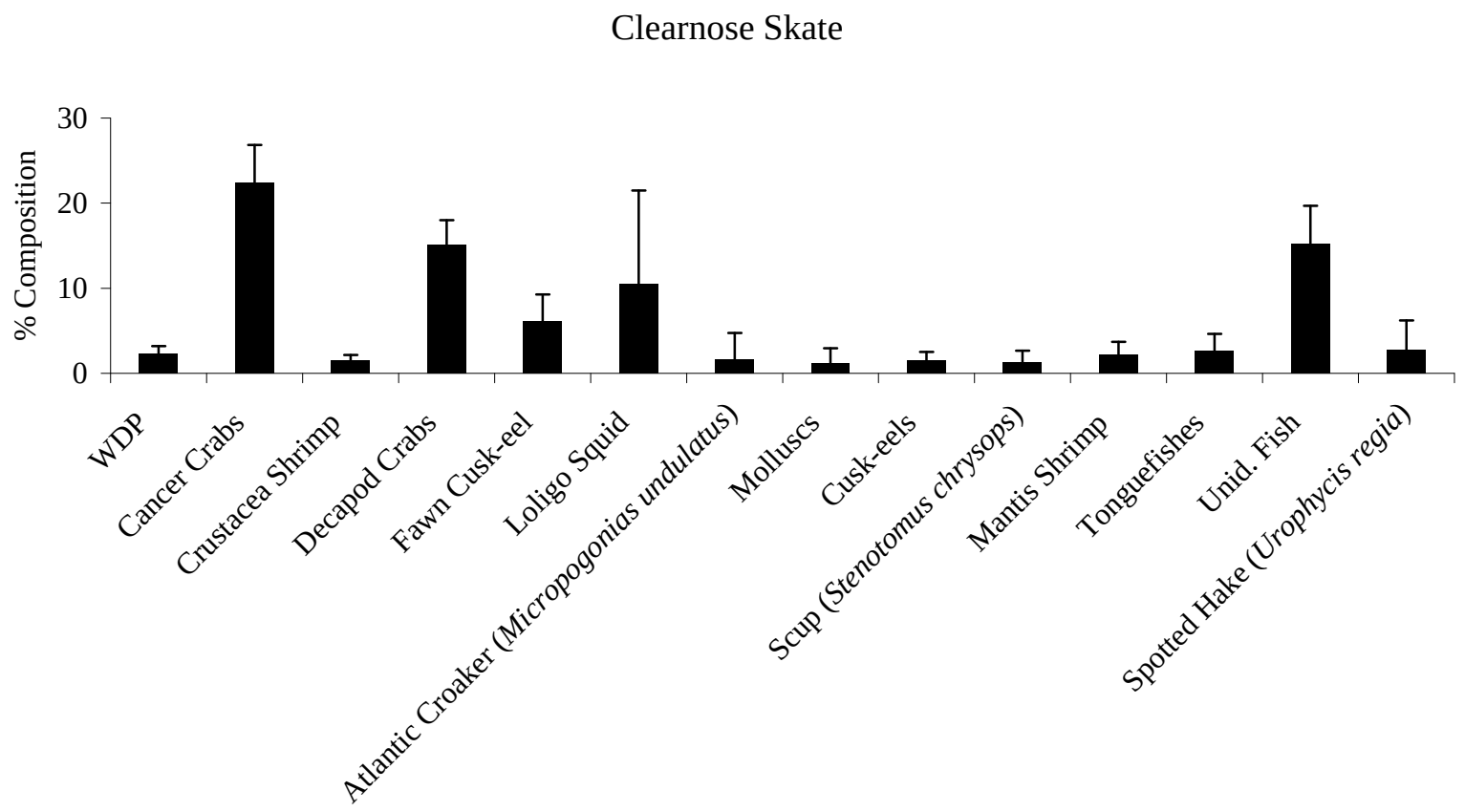

Figure 26. Percent diet composition by weight of major prey taxa for clearnose skate (*Raja eglanteria*; n = 960). WDP = well-digested prey; Unid. Fish = unidentified fish.

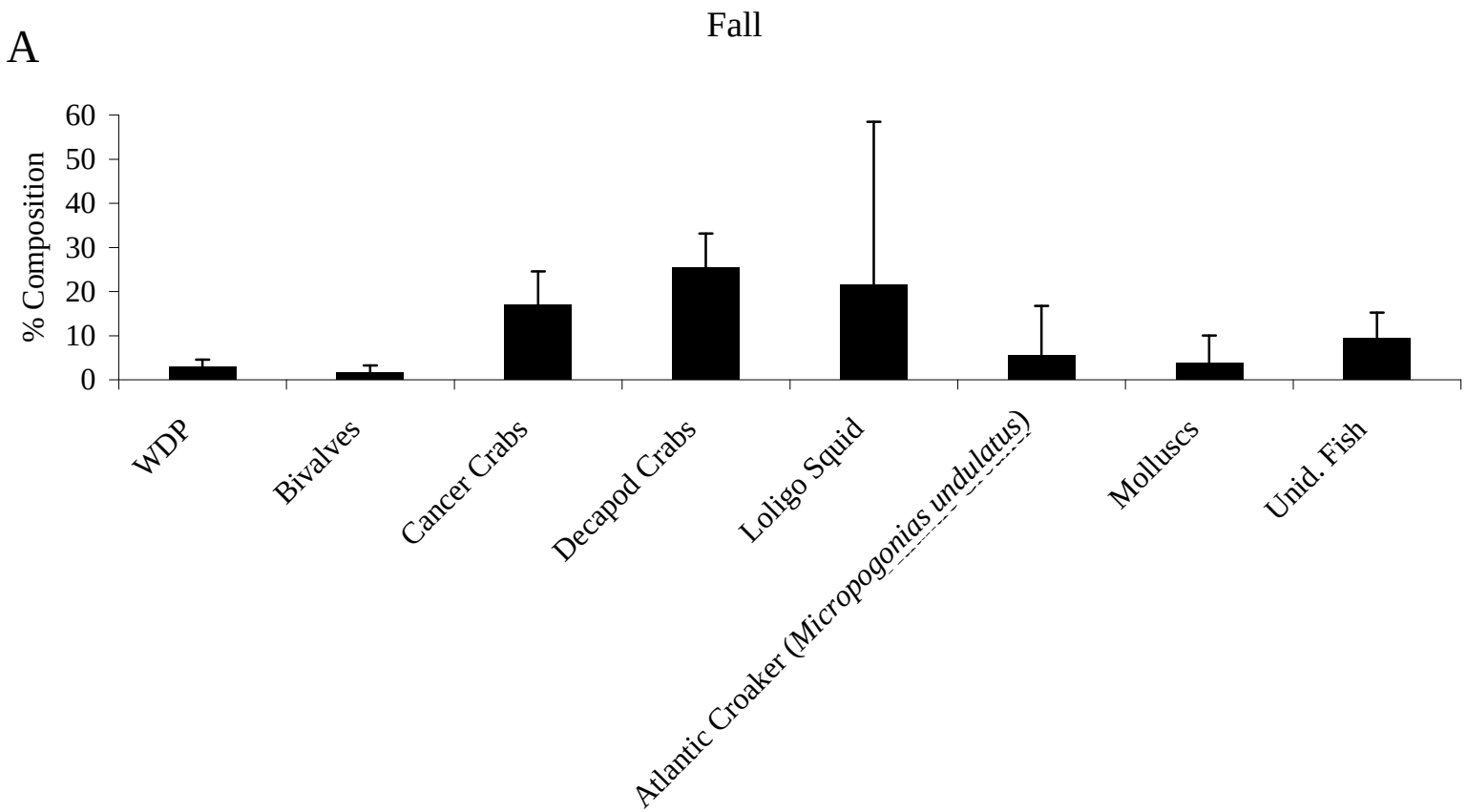

Figure 27A. Percent diet composition by weight of major prey taxa for clearnose skate (*Raja eglanteria*; n = 960). collected in the fall (n = 215). WDP = well-digested prey; Unid. Fish = unidentified fish.

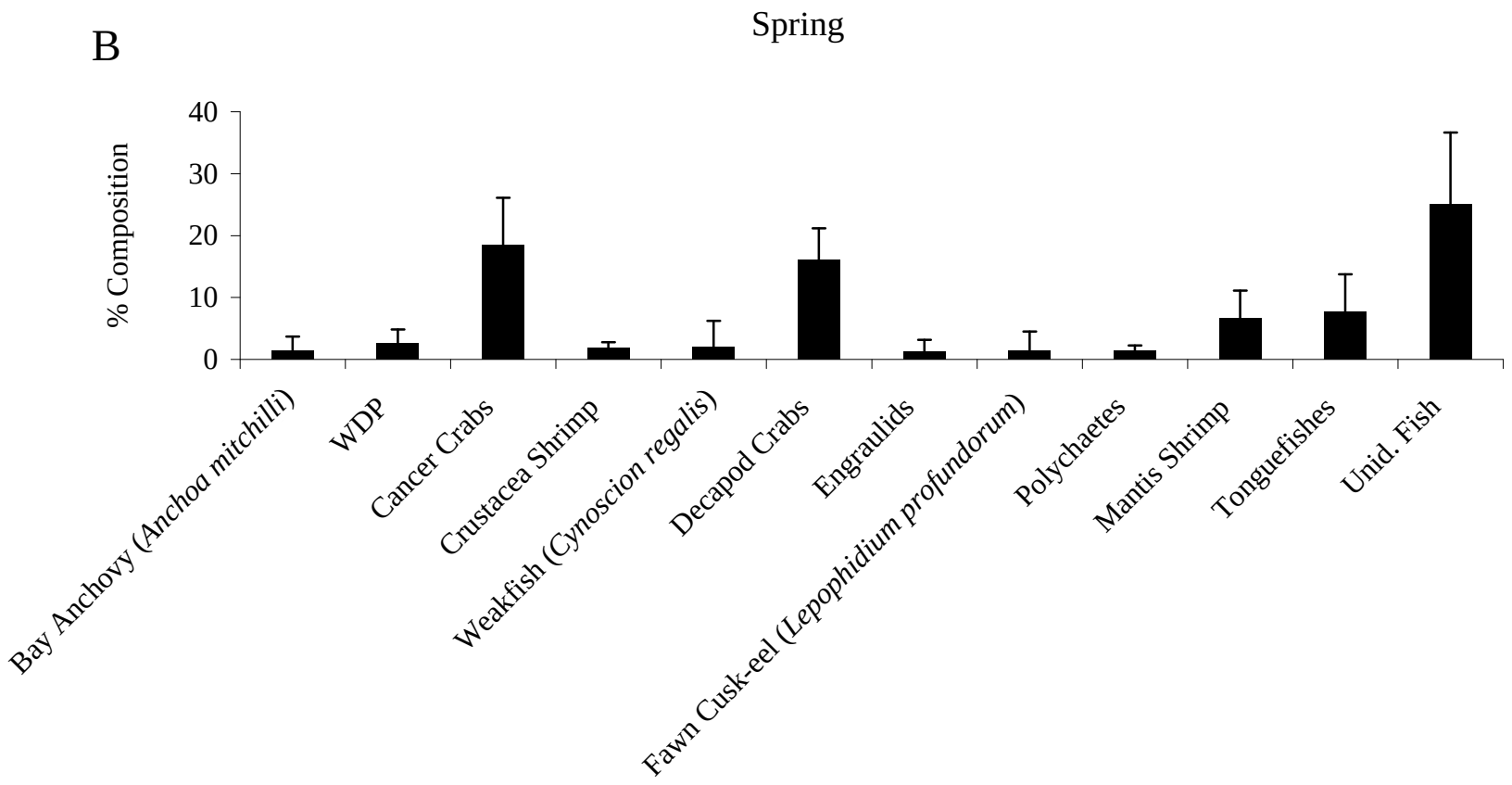

Figure 27B. Percent diet composition by weight of major prey taxa for clearnose skate (*Raja eglanteria*) collected in the spring (n = 277). WDP = well-digested prey; Unid. Fish = unidentified fish.

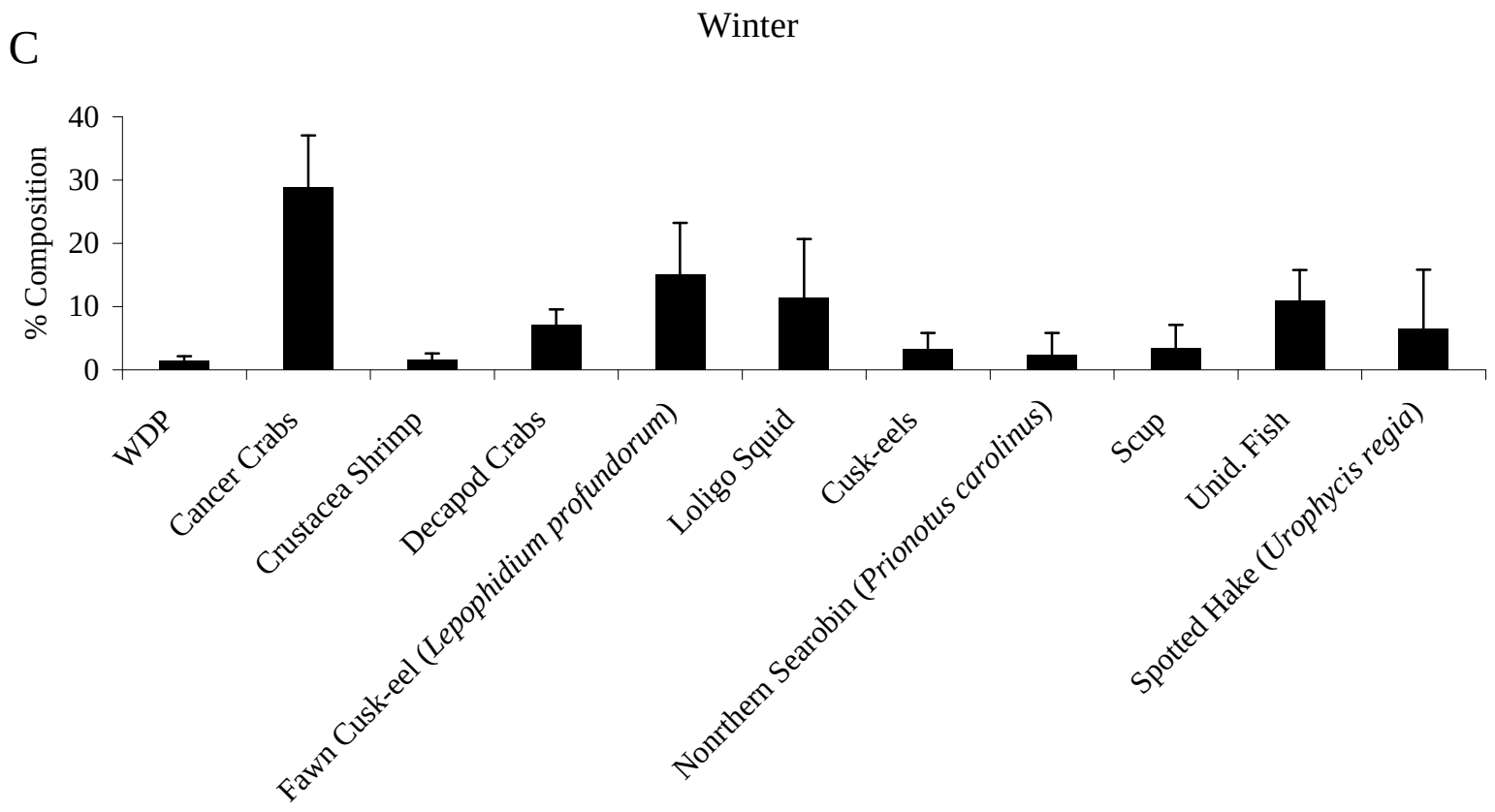

Figure 27C. Percent diet composition by weight of major prey taxa for clearnose skate (*Raja eglanteria*) collected in the winter (n = 434). WDP = well-digested prey; Unid. Fish = unidentified fish.

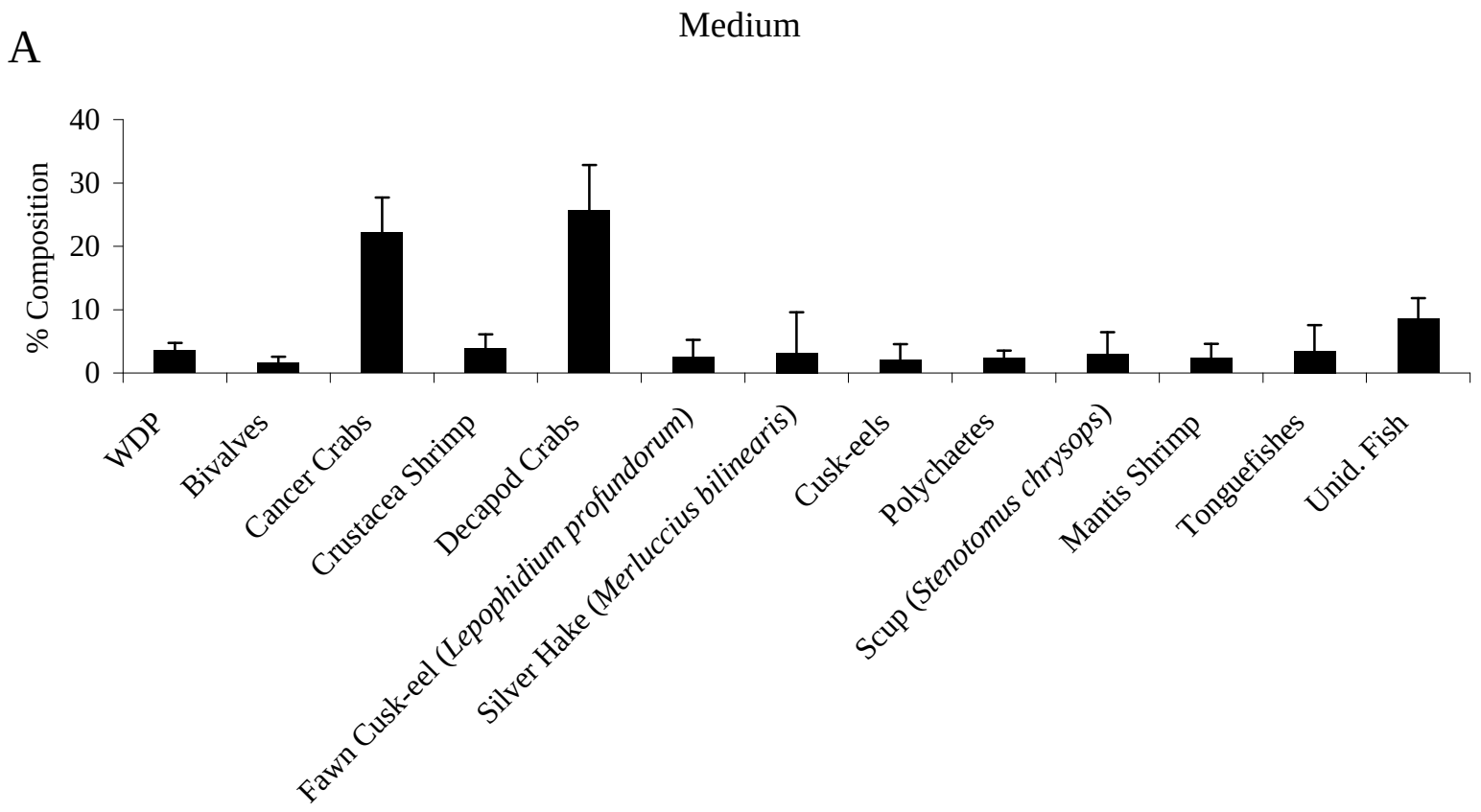

Figure 28A. Percent diet composition by weight of major prey taxa for clearnose skate (*Raja eglanteria*) in the medium size class (n = 445). WDP = well-digested prey; Unid. Fish = unidentified fish.

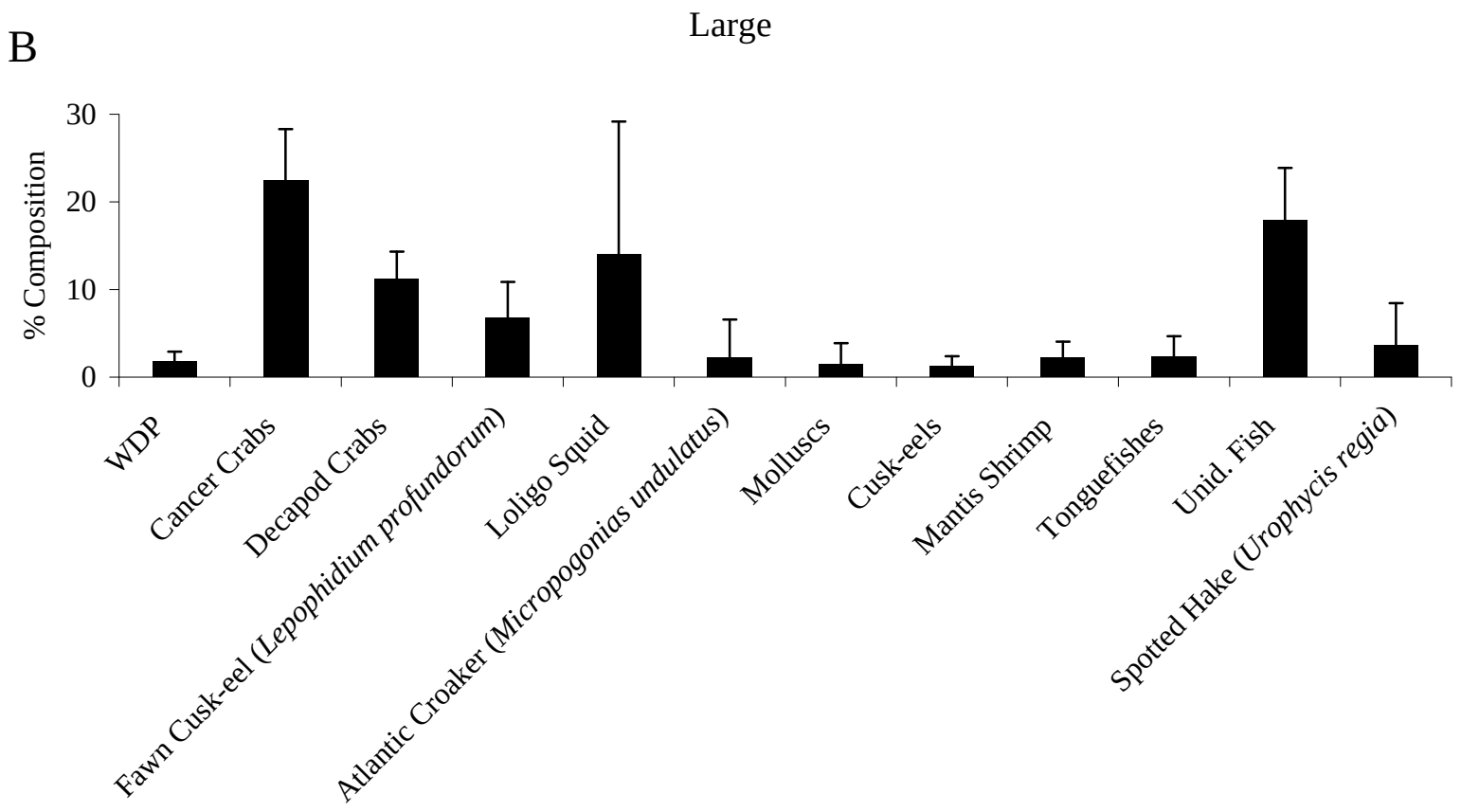

Figure 28B. Percent diet composition by weight of major prey taxa for clearnose skate (*Raja eglanteria*) in the large size class (n = 489). WDP = well-digested prey; Unid. Fish = unidentified fish.

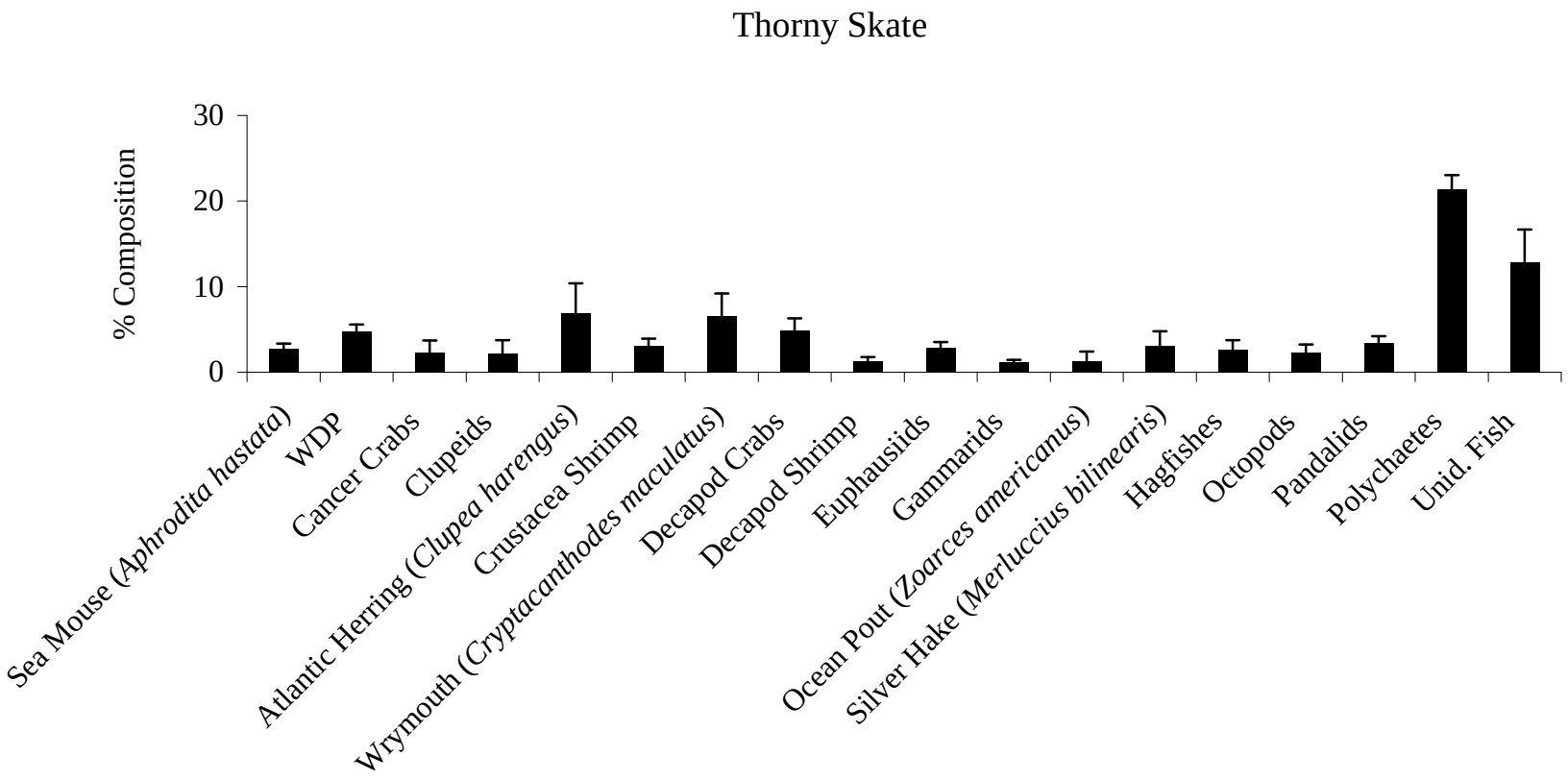

Figure 29. Percent diet composition by weight of major prey taxa for thorny skate (*Amblyraja radiata*; n = 3,435). WDP = well-digested prey; Unid. Fish = unidentified fish.

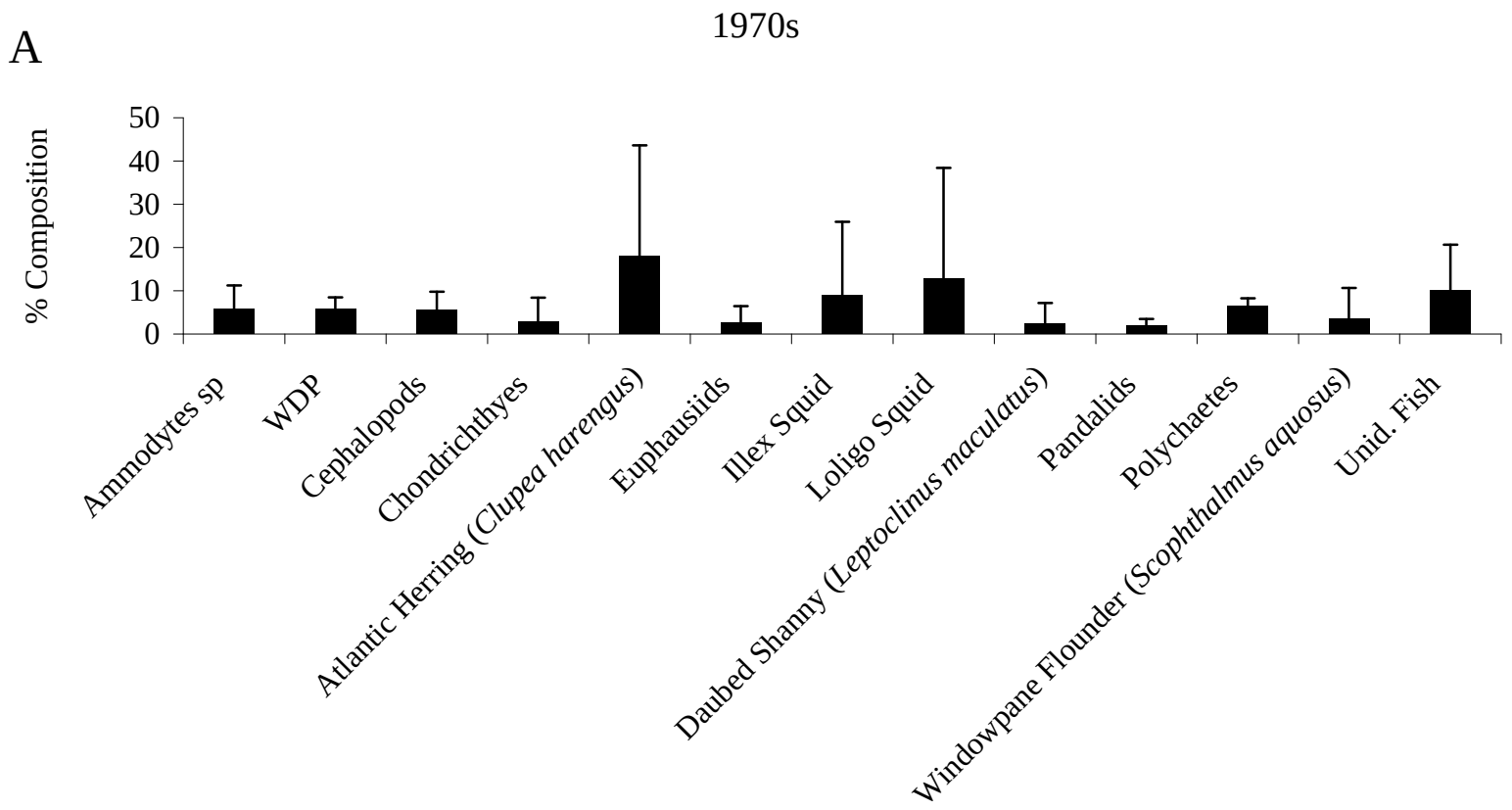

Figure 30A. Percent diet composition by weight of major prey taxa for thorny skate (*Amblyraja radiata*) collected in the 1970s (n = 231). WDP = well-digested prey; Unid. Fish = unidentified fish.

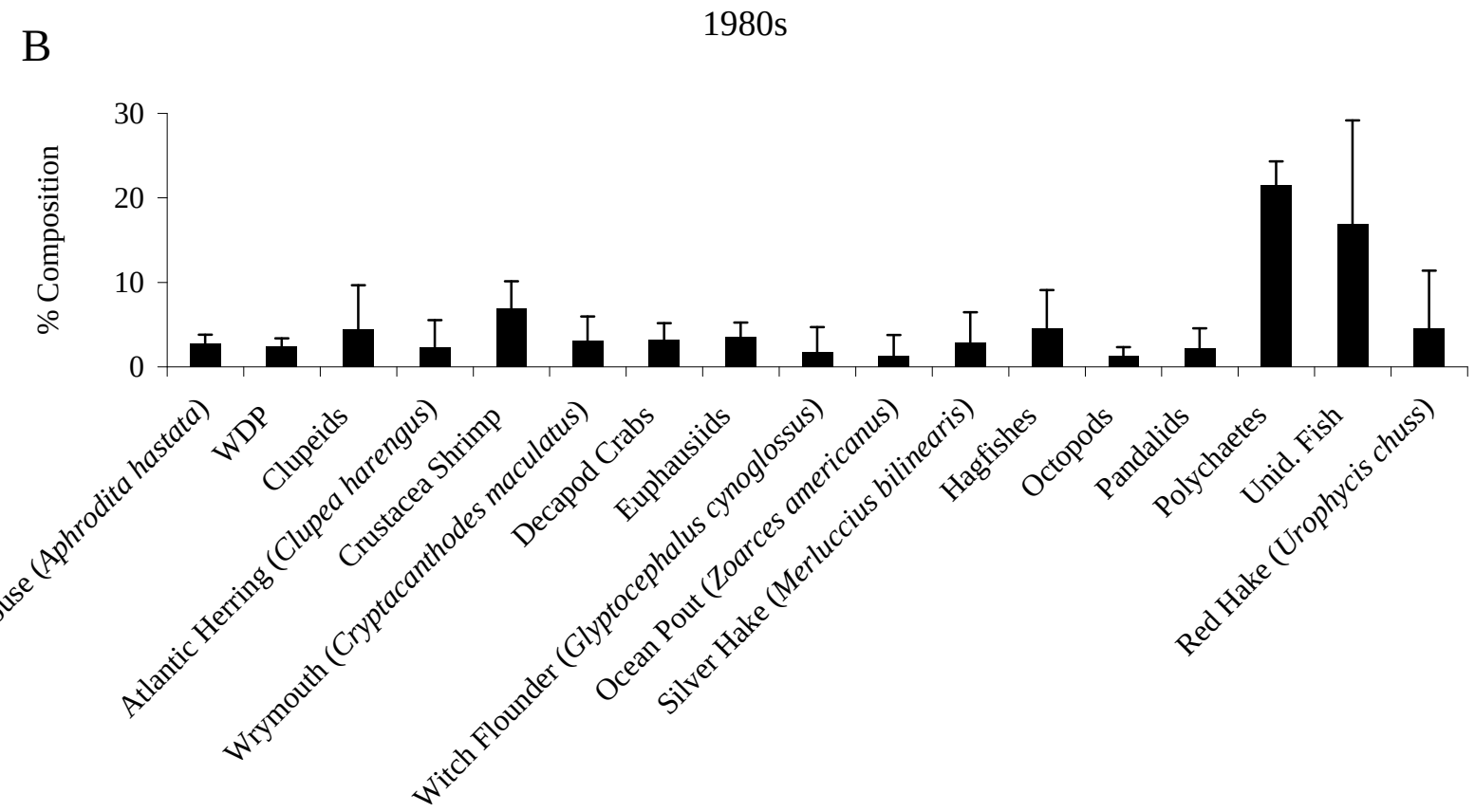

Figure 30B. Percent diet composition by weight of major prey taxa for thorny skate (*Amblyraja radiata*) collected in the 1980s (n = 796). WDP = well-digested prey; Unid. Fish = unidentified fish.

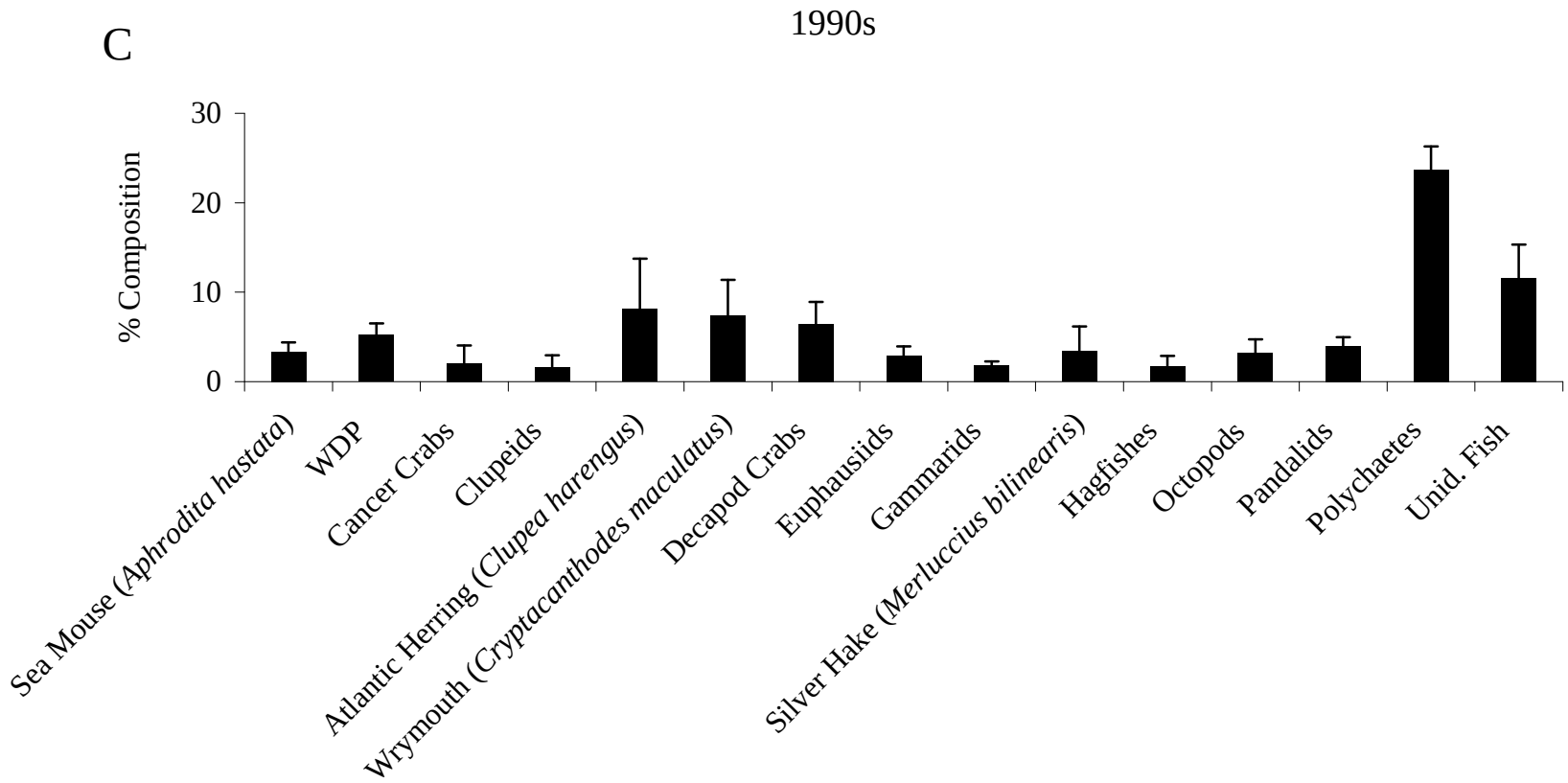

Figure 30C. Percent diet composition by weight of major prey taxa for thorny skate (*Amblyraja radiata*) collected in the 1990s (n = 1,768). WDP = well-digested prey; Unid. Fish = unidentified fish.

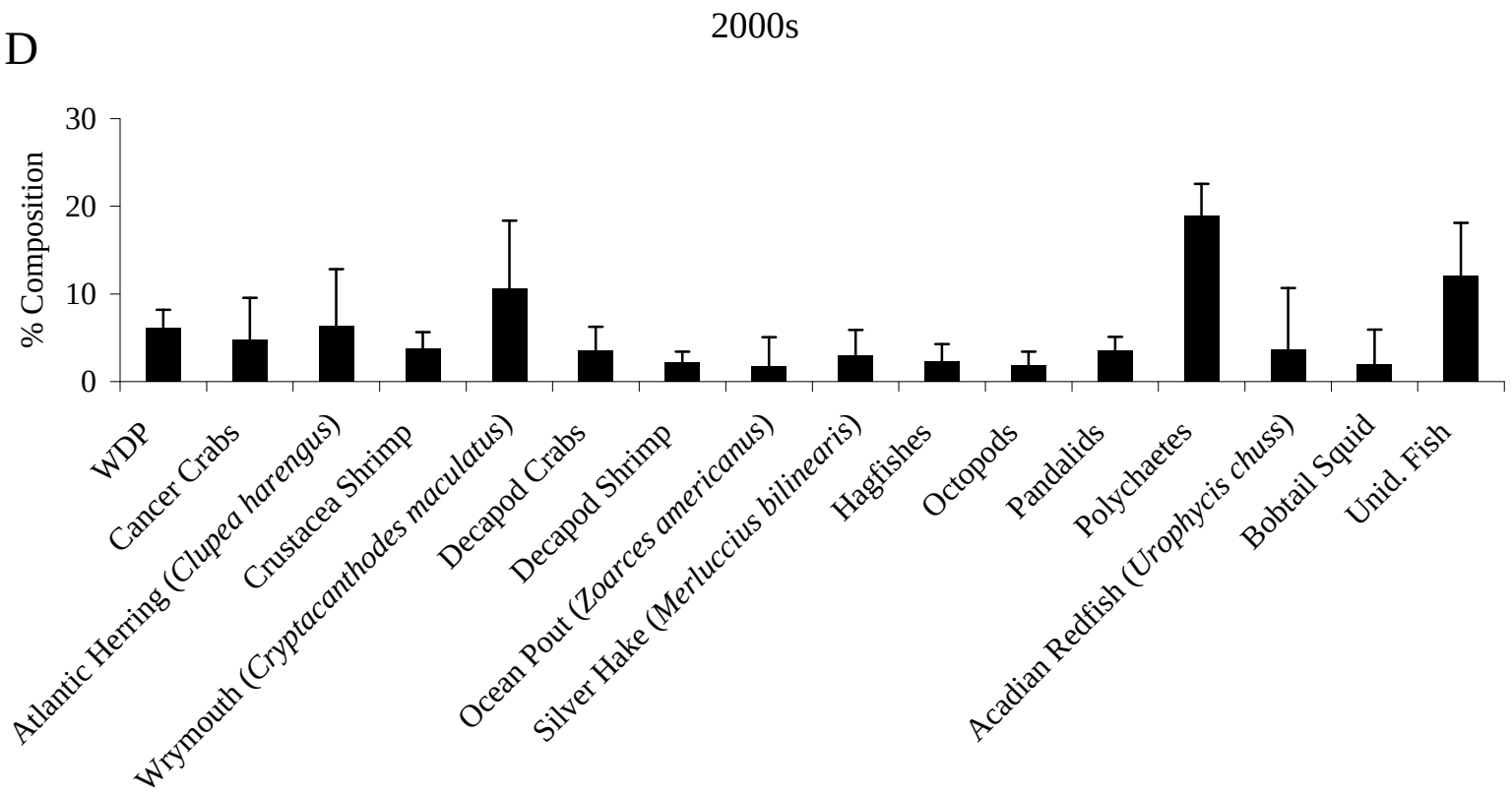

Figure 30D. Percent diet composition by weight of major prey taxa for thorny skate (*Amblyraja radiata*) collected in the 2000s (n = 640). WDP = well-digested prey; Unid. Fish = unidentified fish.

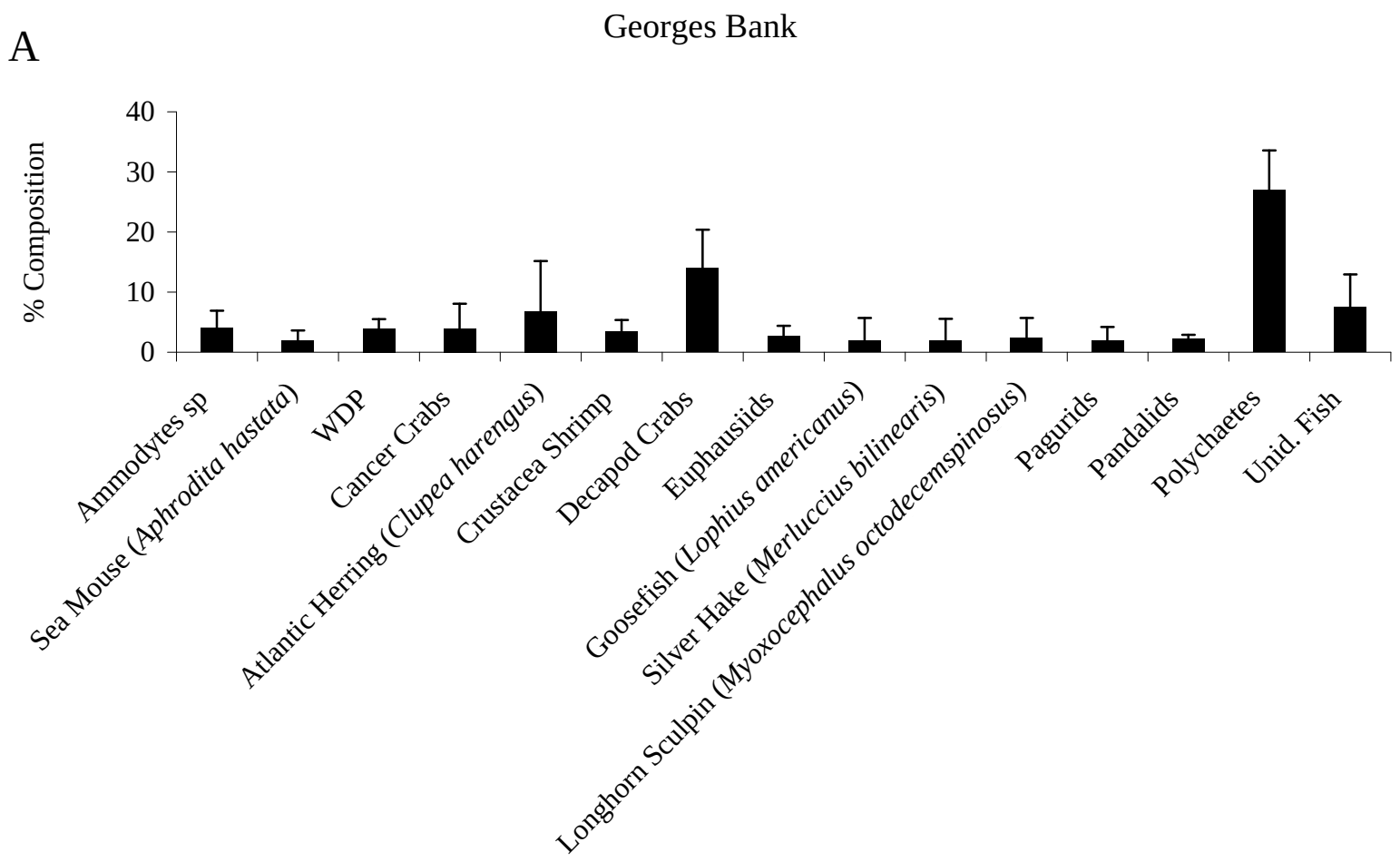

Figure 31A. Percent diet composition by weight of major prey taxa for thorny skate (*Amblyraja radiata*) collected on Georges Bank (n = 610). WDP = well-digested prey; Unid. Fish = unidentified fish.

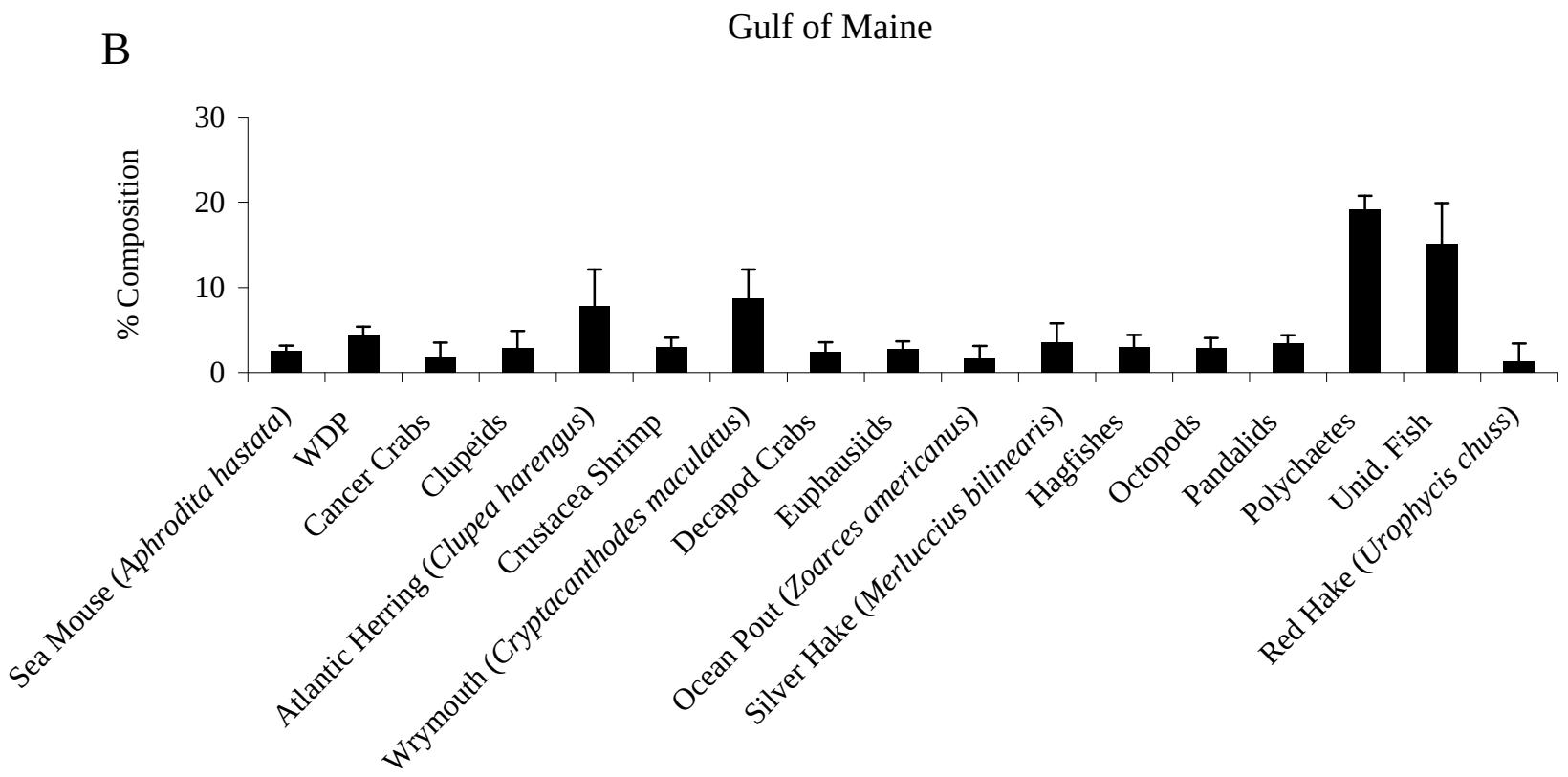

Figure 31B. Percent diet composition by weight of major prey taxa for thorny skate (*Amblyraja radiata*) collected in the Gulf of Maine (n = 2,383). WDP = well-digested prey; Unid. Fish = unidentified fish.

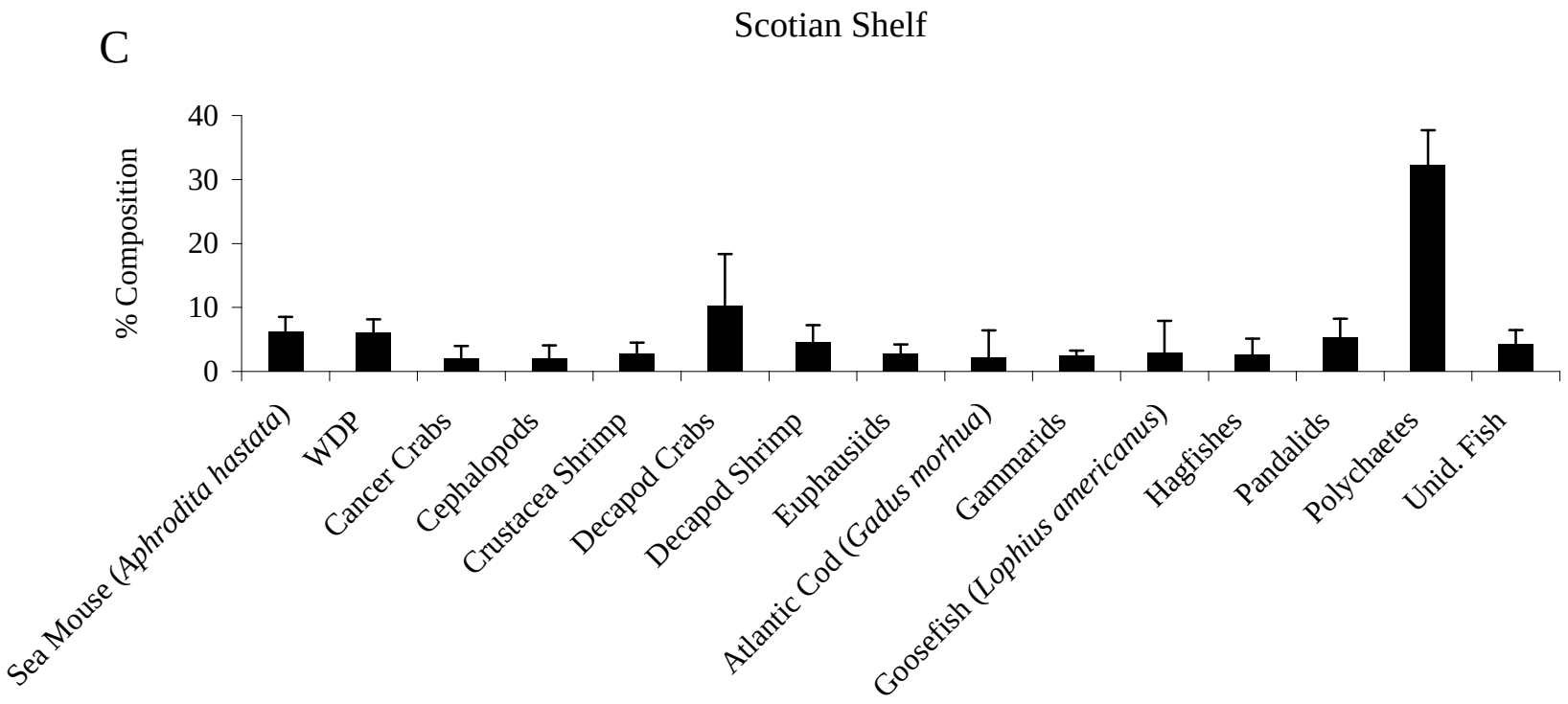

Figure 31C. Percent diet composition by weight of major prey taxa for thorny skate (*Amblyraja radiata*) collected on the Scotian Shelf (n = 417). WDP = well-digested prey; Unid. Fish = unidentified fish.

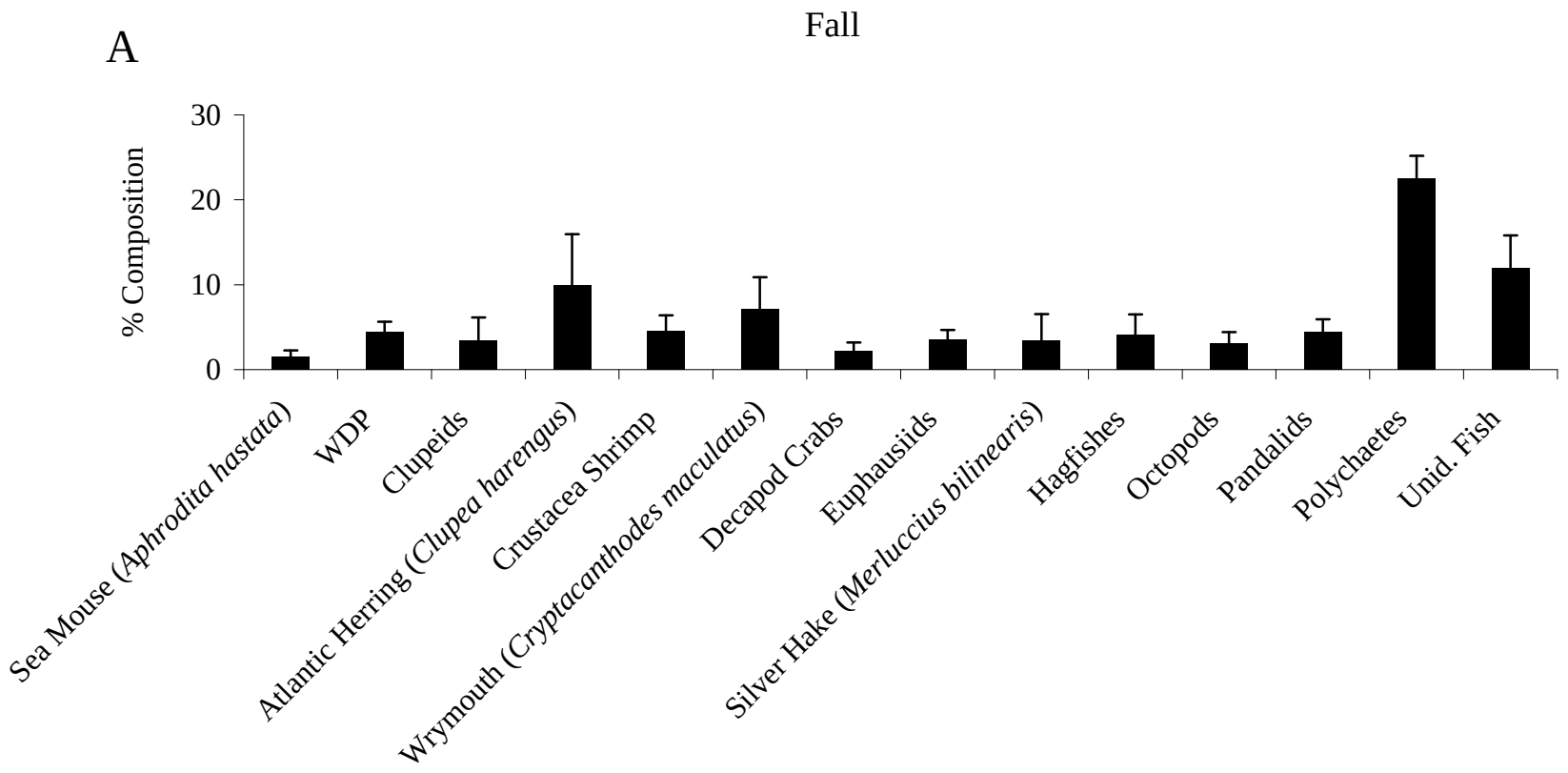

Figure 32A. Percent diet composition by weight of major prey taxa for thorny skate (*Amblyraja radiata*) collected in the fall (n = 1,500). WDP = well-digested prey; Unid. Fish = unidentified fish.

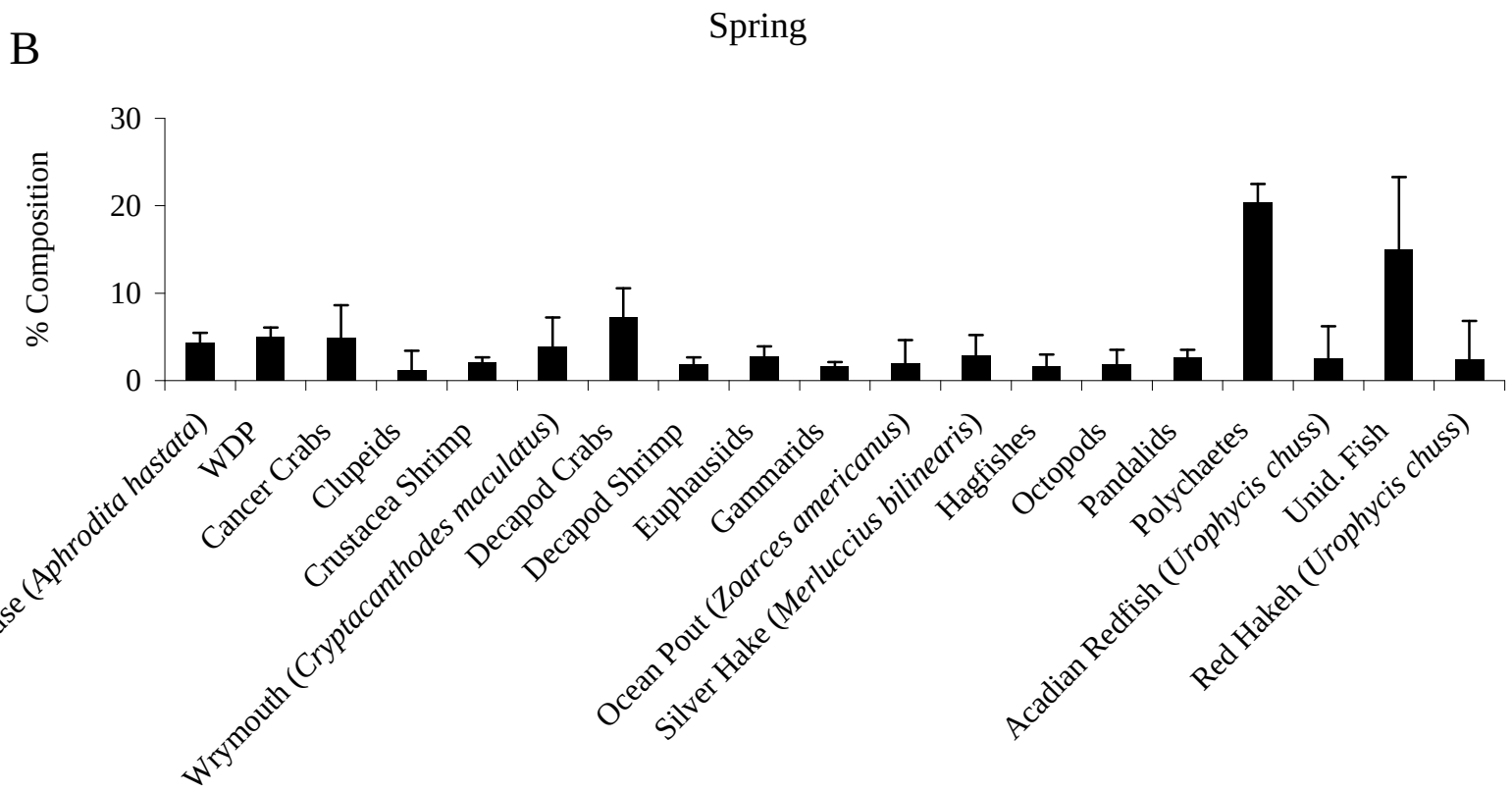

Figure 32B. Percent diet composition by weight of major prey taxa for thorny skate (*Amblyraja radiata*) collected in the spring (n = 1,508). WDP = well-digested prey; Unid. Fish = unidentified fish.

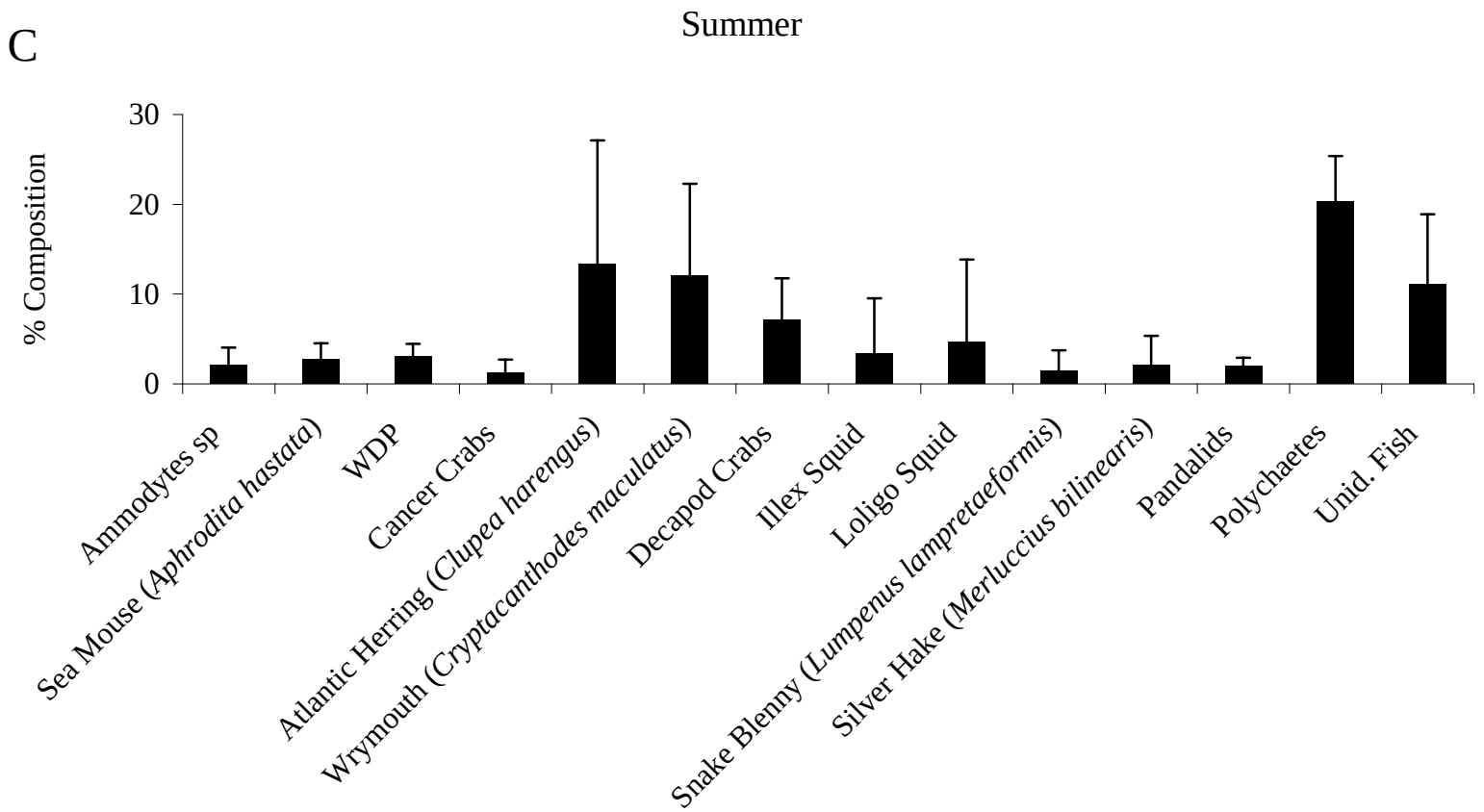

Figure 32C. Percent diet composition by weight of major prey taxa for thorny skate (*Amblyraja radiata*) collected in the summer (n = 393). WDP = well-digested prey; Unid. Fish = unidentified fish.

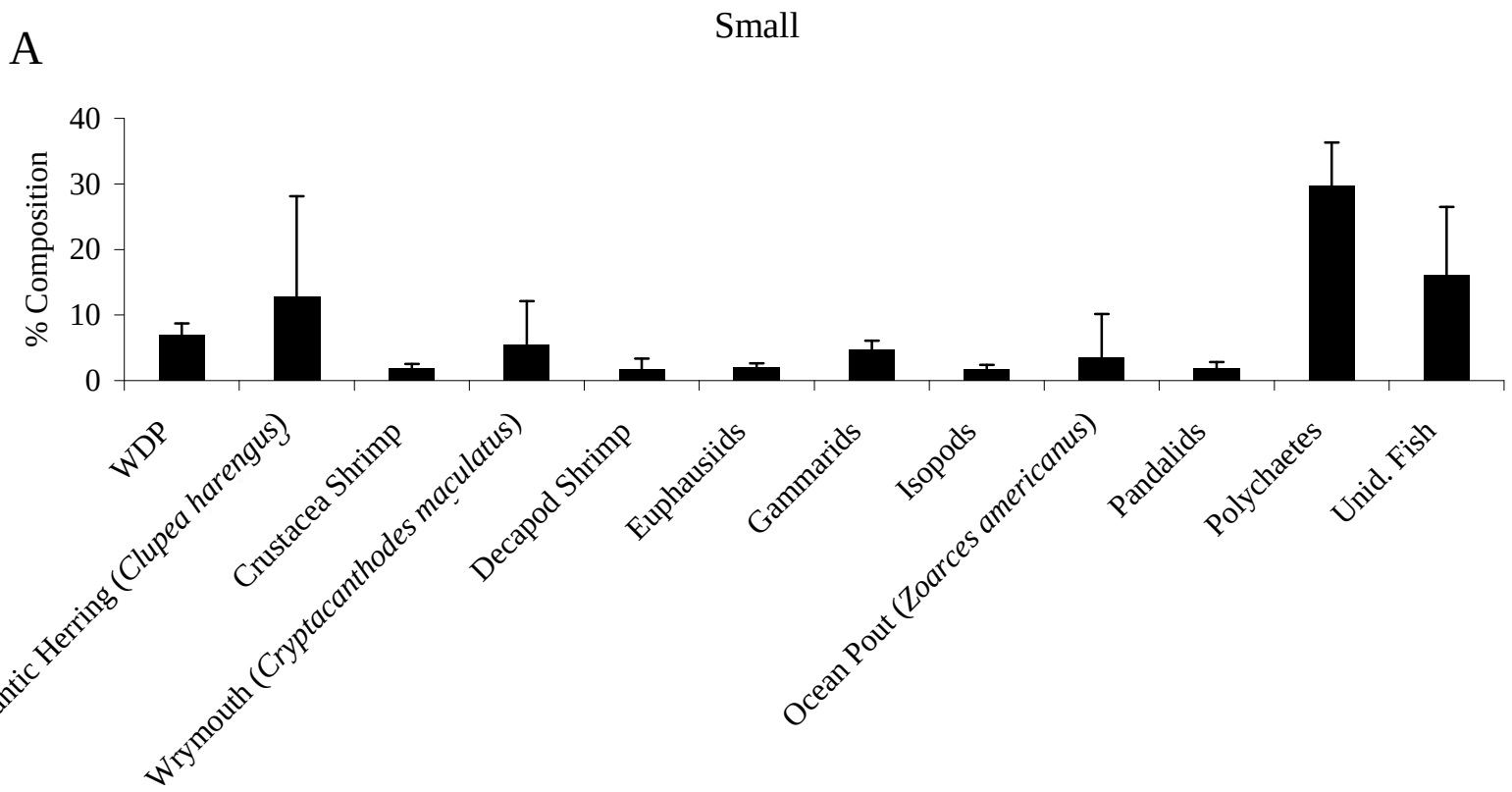

Figure 33A. Percent diet composition by weight of major prey taxa for thorny skate (*Amblyraja radiata*) in the small size class (n = 1,006). WDP = well-digested prey; Unid. Fish = unidentified fish.

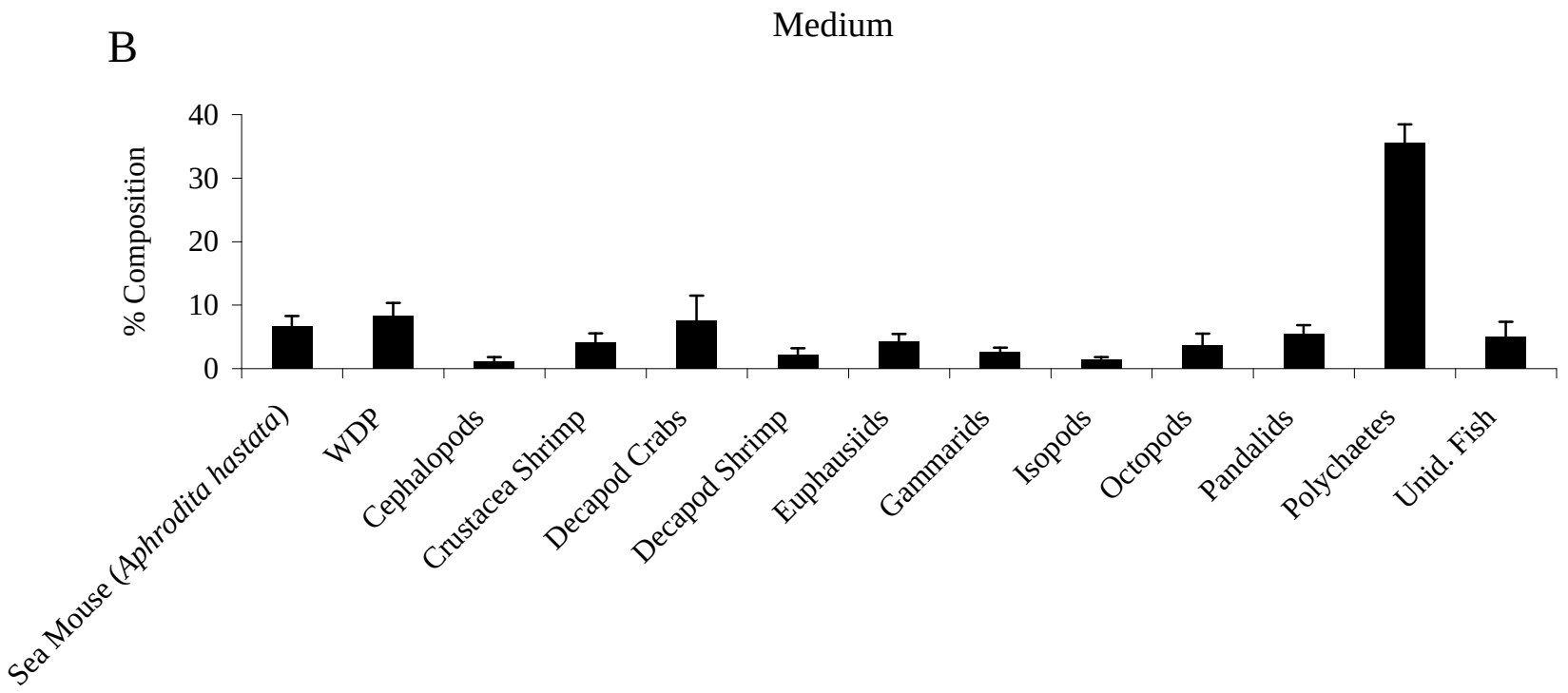

Figure 33B. Percent diet composition by weight of major prey taxa for thorny skate (*Amblyraja radiata*) in the medium size class (n = 1,509). WDP = well-digested prey; Unid. Fish = unidentified fish.

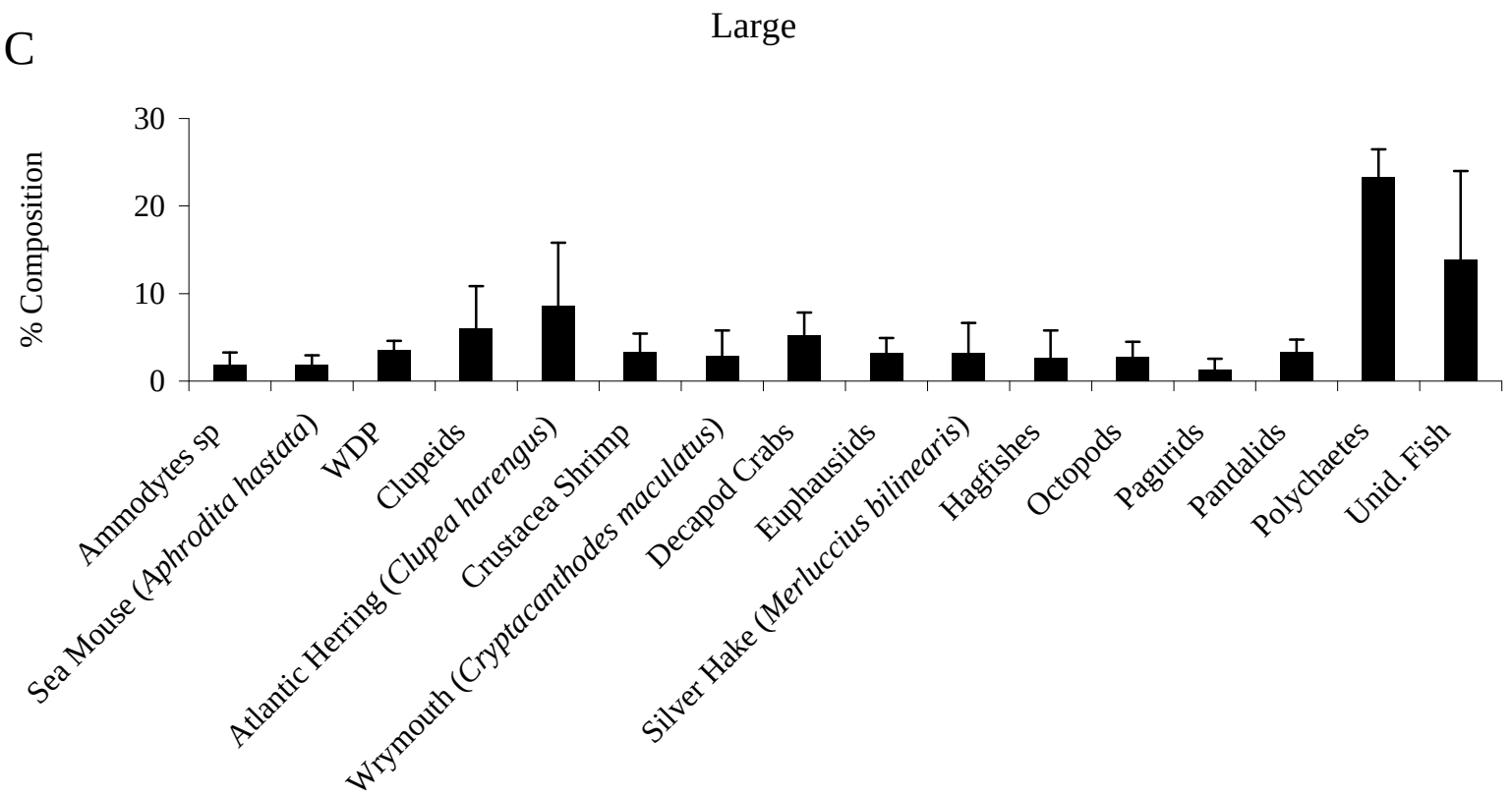

Figure 33C. Percent diet composition by weight of major prey taxa for thorny skate (*Amblyraja radiata*) in the large size class (n = 587). WDP = well-digested prey; Unid. Fish = unidentified fish.

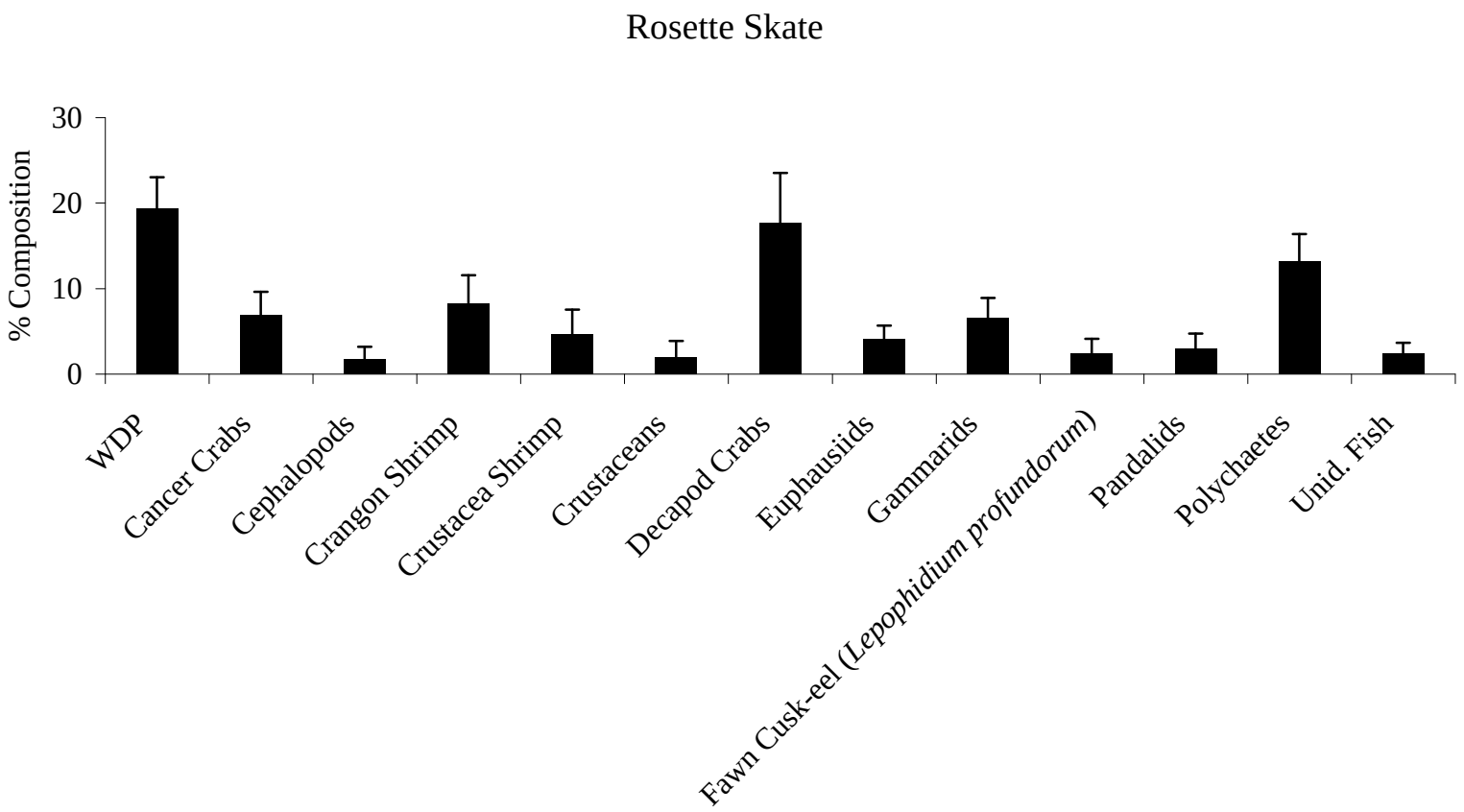

Figure 34. Percent diet composition by weight of major prey taxa for rosette skate (*Leucoraja garmani*; n = 700). WDP = well-digested prey; Unid. Fish = unidentified fish.

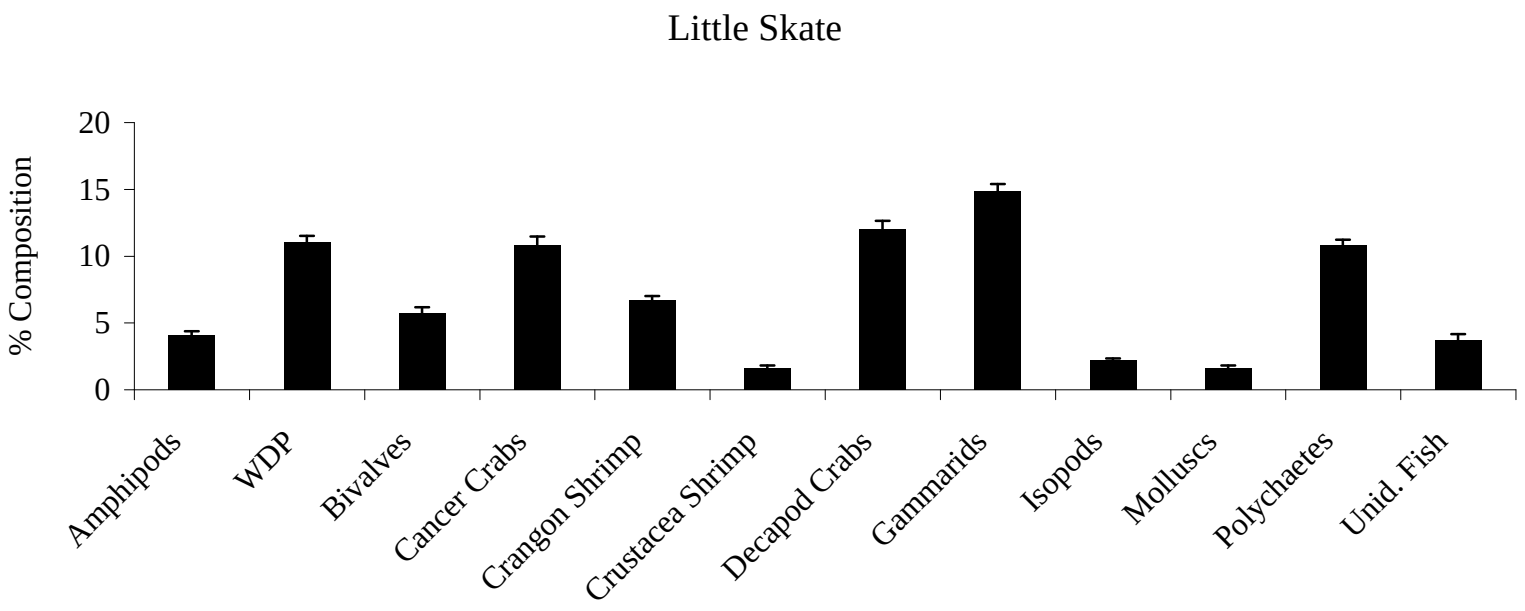

Figure 35. Percent diet composition by weight of major prey taxa for little skate (*Leucoraja erinacea*; n = 27,507). WDP = well-digested prey; Unid. Fish = unidentified fish.

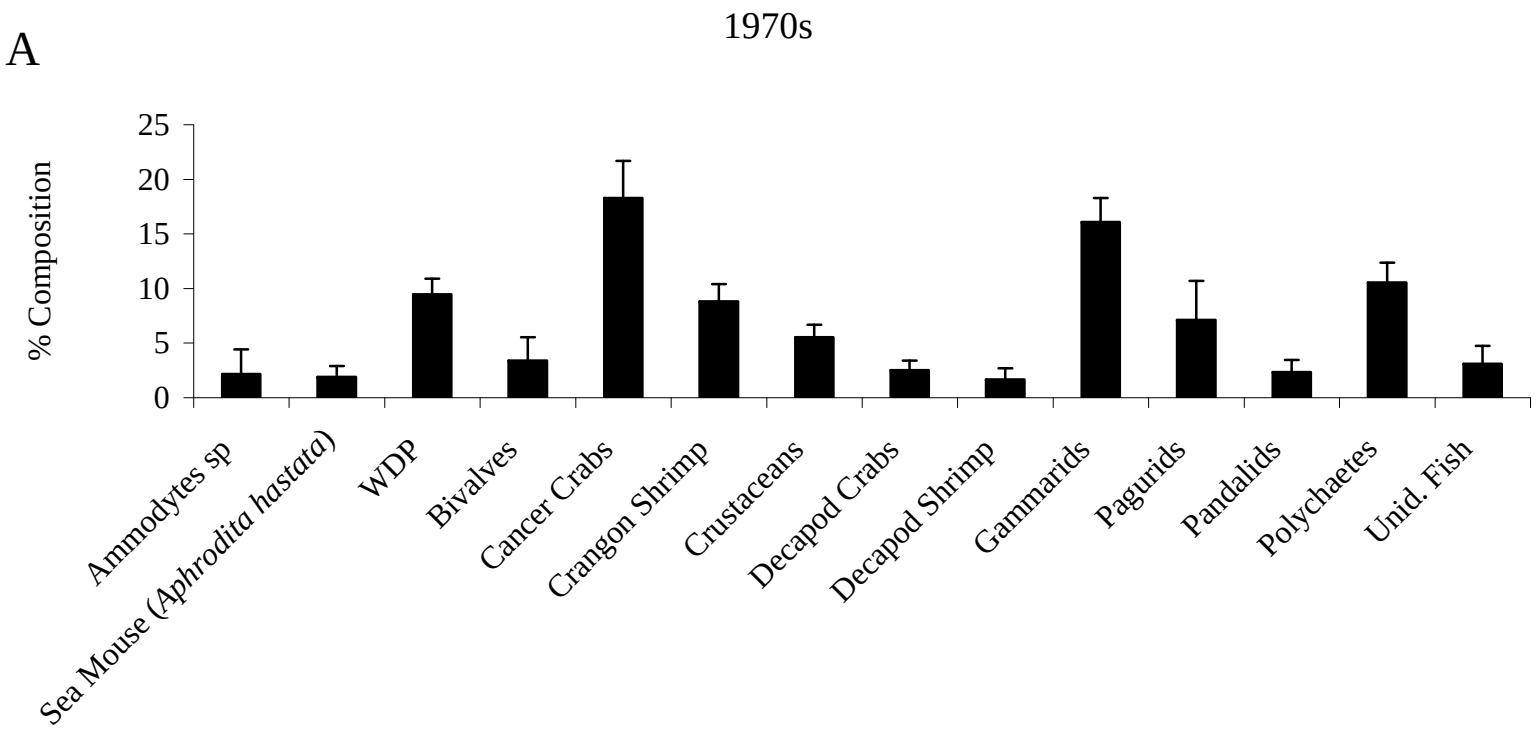

Figure 36A. Percent diet composition by weight of major prey taxa for little skate (*Leucoraja erinacea*) collected in the 1970s (n = 1,406). WDP = well-digested prey; Unid. Fish = unidentified fish.

B

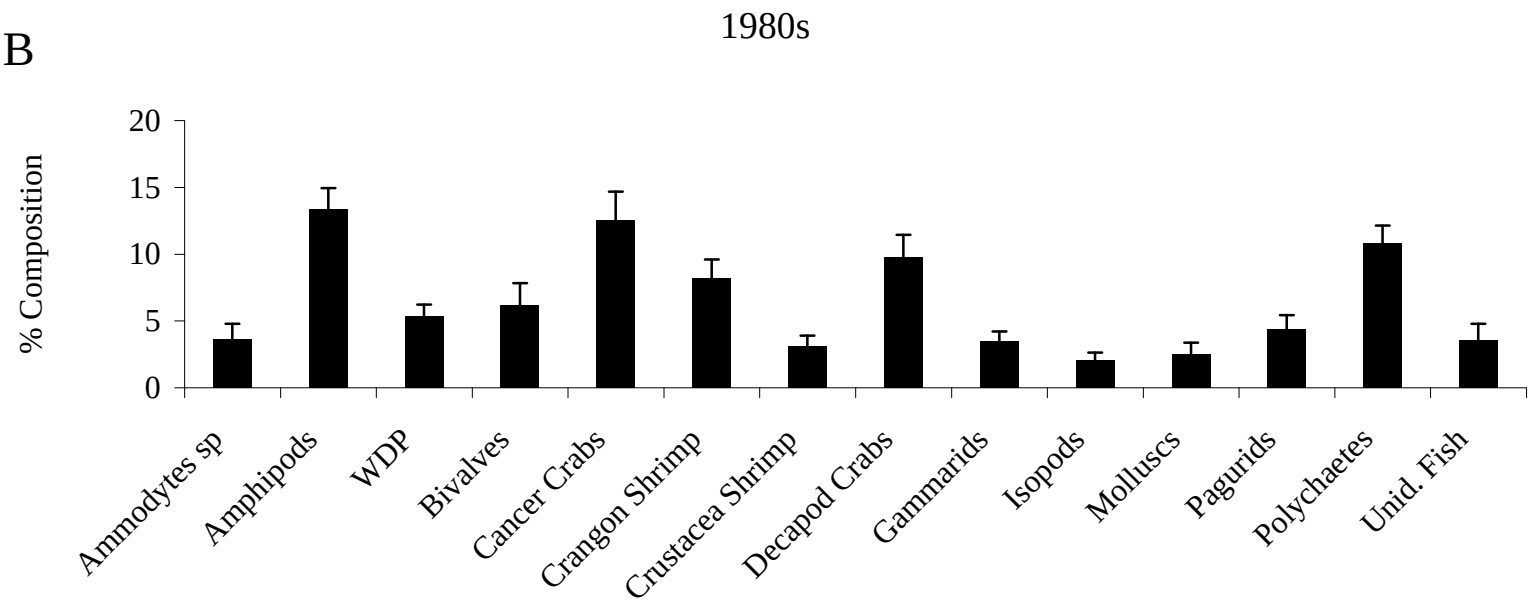

Figure 36B. Percent diet composition by weight of major prey taxa for little skate (*Leucoraja erinacea*) collected in the 1980s (n = 2,893). WDP = well-digested prey; Unid. Fish = unidentified fish.

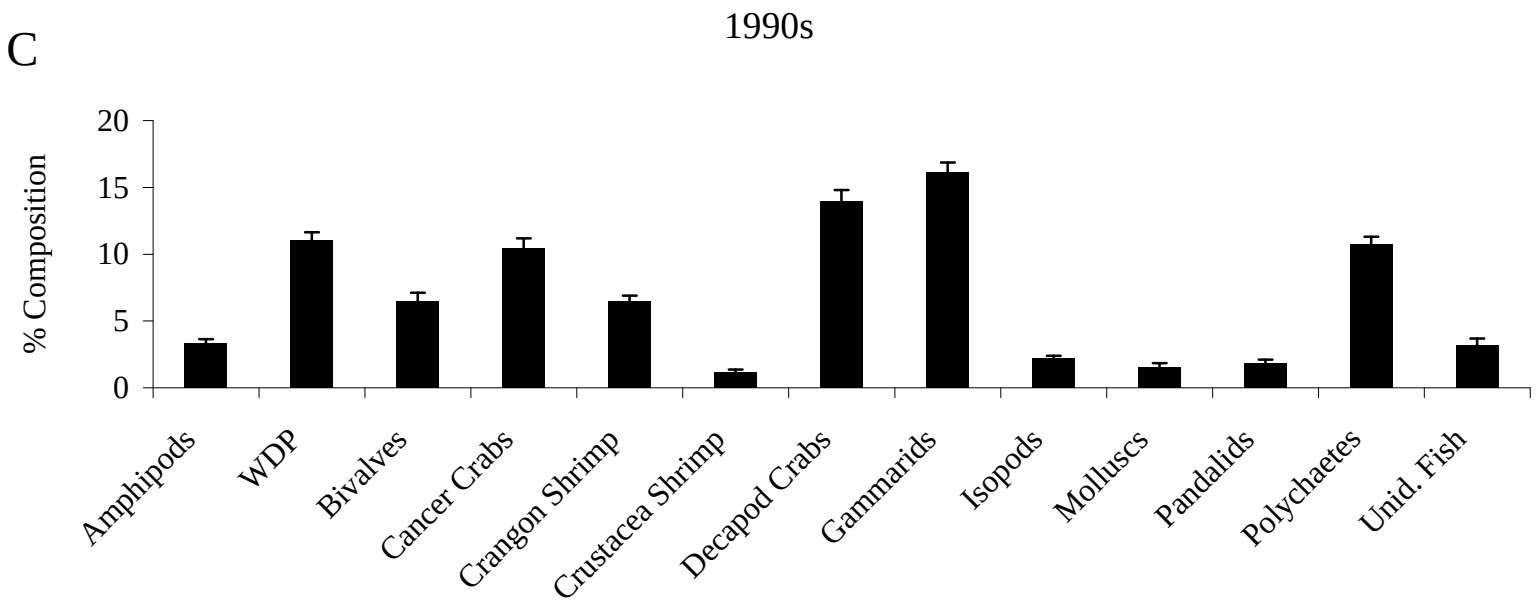

Figure 36C. Percent diet composition by weight of major prey taxa for little skate (*Leucoraja erinacea*) collected in the 1990s (n = 16,697). WDP = well-digested prey; Unid. Fish = unidentified fish.

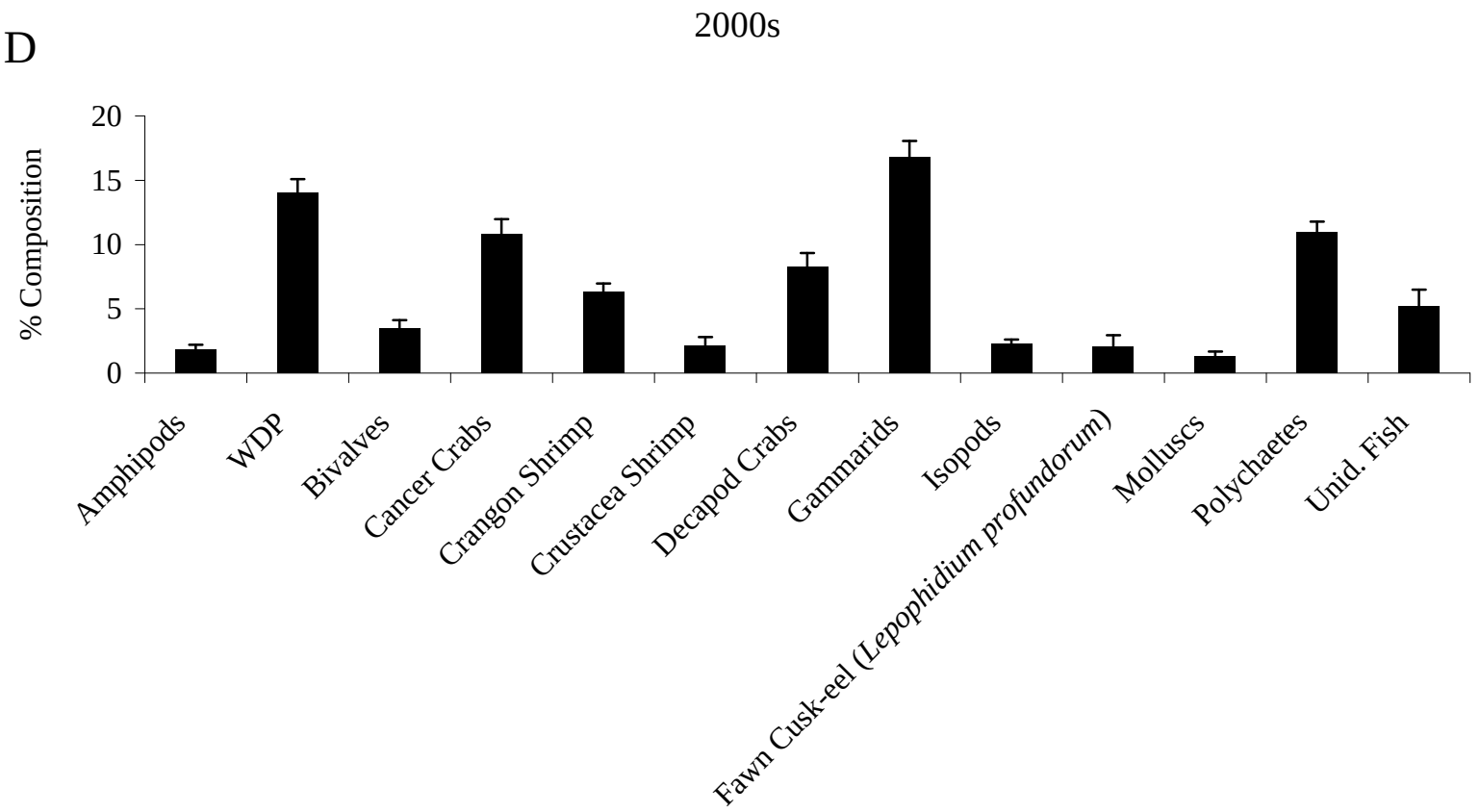

Figure 36D. Percent diet composition by weight of major prey taxa for little skate (*Leucoraja erinacea*) collected in the 2000s (n = 6,511). WDP = well-digested prey; Unid. Fish = unidentified fish.

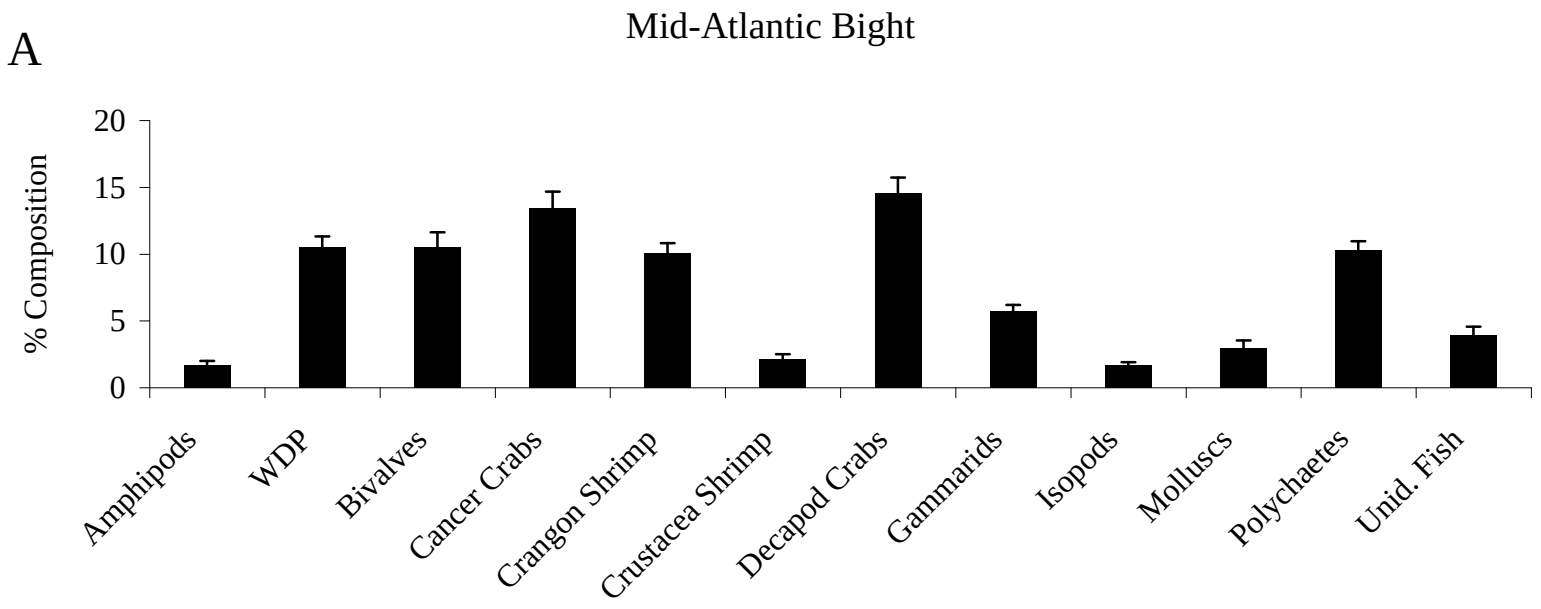

Figure 37A. Percent diet composition by weight of major prey taxa for little skate (*Leucoraja erinacea*) collected in the Mid-Atlantic Bight (n = 7,621). WDP = well-digested prey; Unid. Fish = unidentified fish.

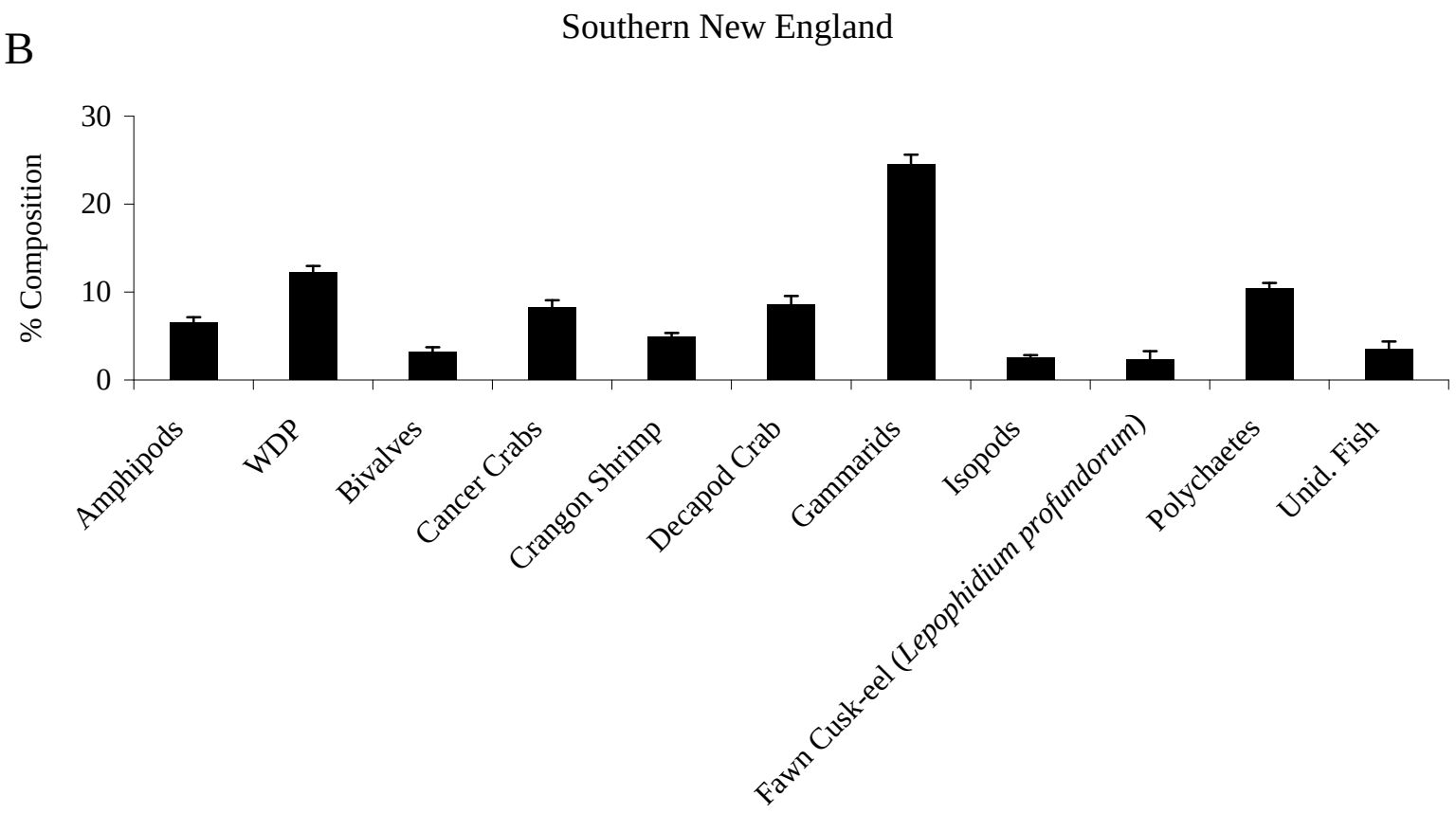

Figure 37B. Percent diet composition by weight of major prey taxa for little skate (*Leucoraja erinacea*) collected in Southern New England (n = 10,499). WDP = well-digested prey; Unid. Fish = unidentified fish.

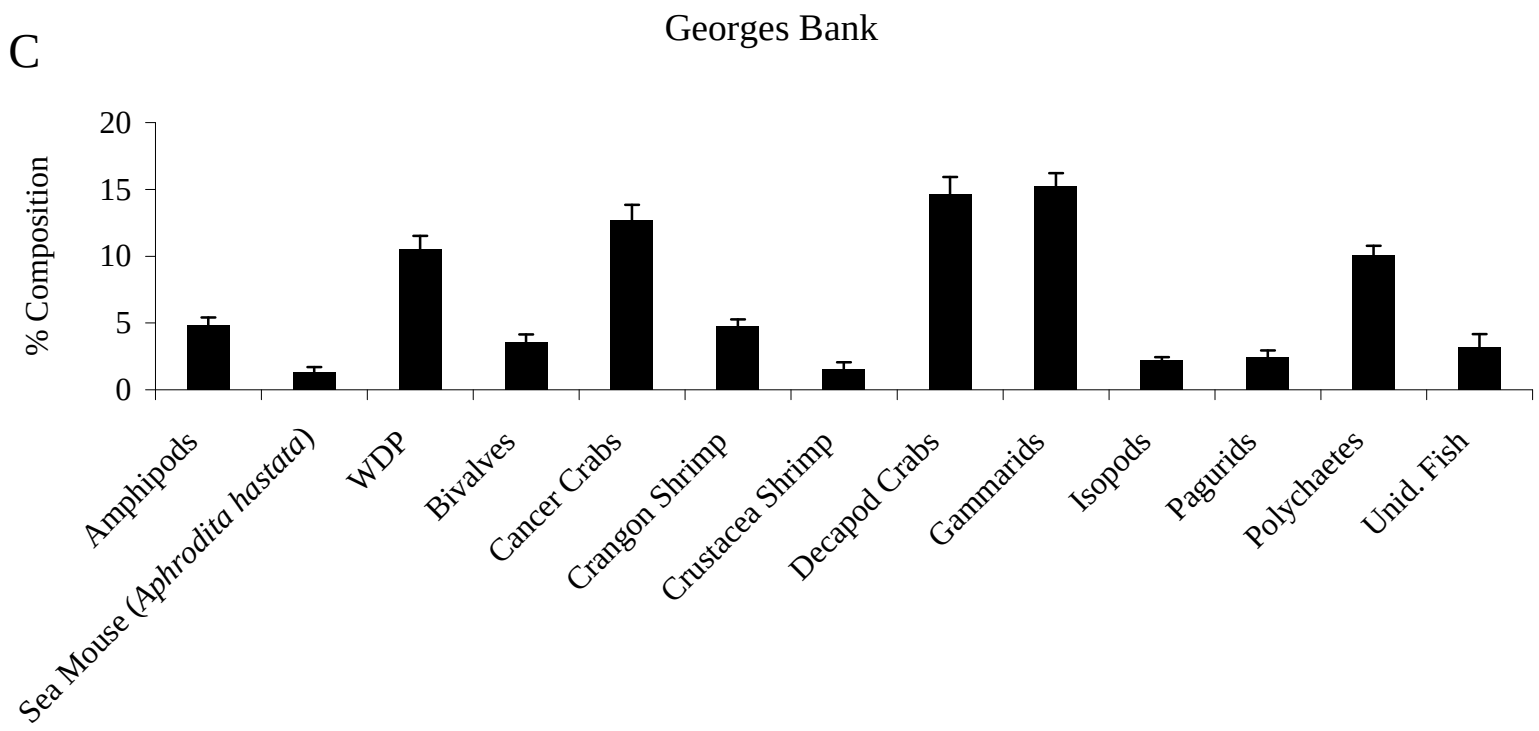

Figure 37C. Percent diet composition by weight of major prey taxa for little skate (*Leucoraja erinacea*) collected on Georges Bank (n = 7,831). WDP = well-digested prey; Unid. Fish = unidentified fish.

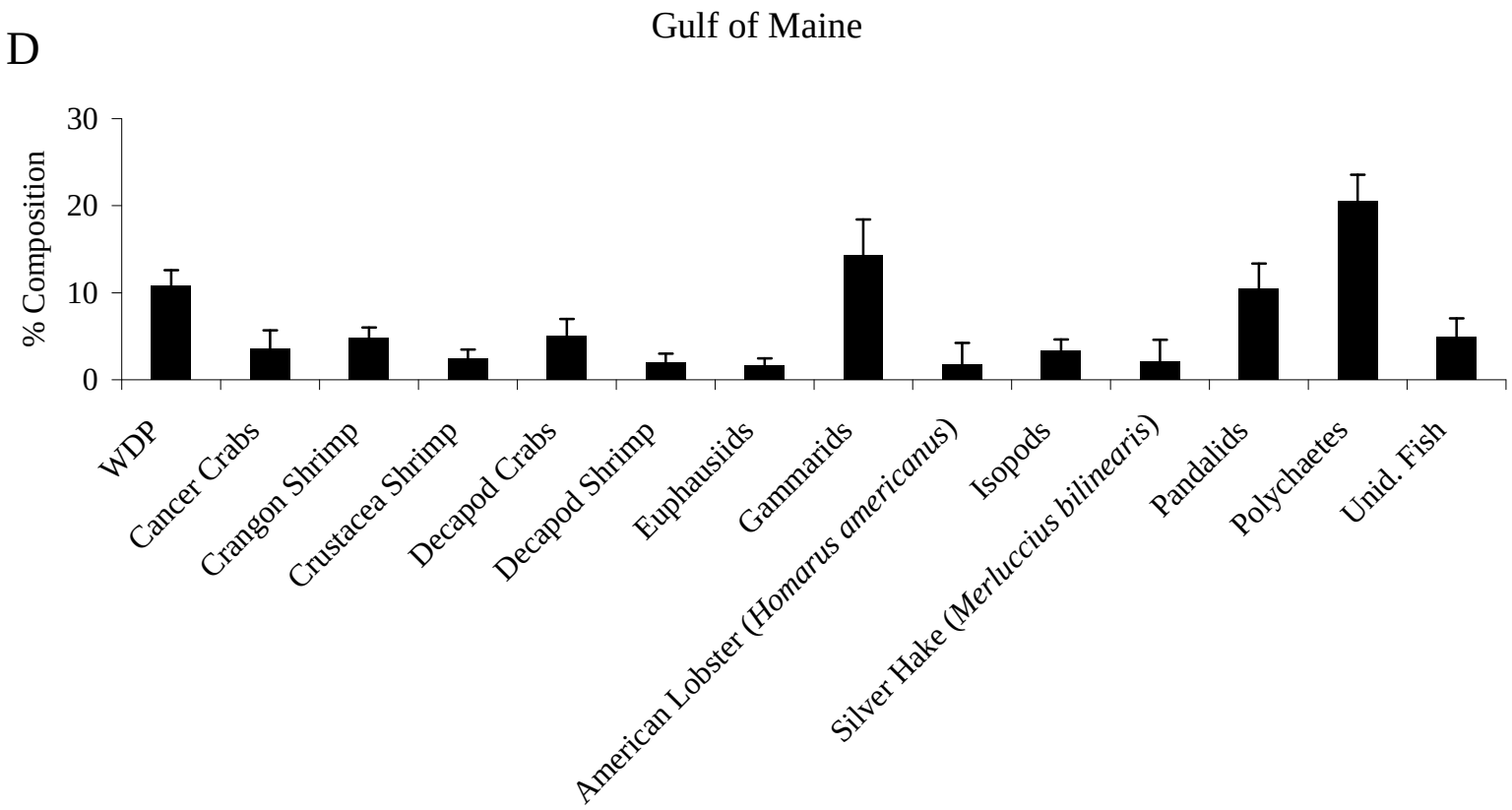

Figure 37D. Percent diet composition by weight of major prey taxa for little skate (*Leucoraja erinacea*) collected collected in the Gulf of Maine (n = 1,334). WDP = well-digested prey; Unid. Fish = unidentified fish.

E

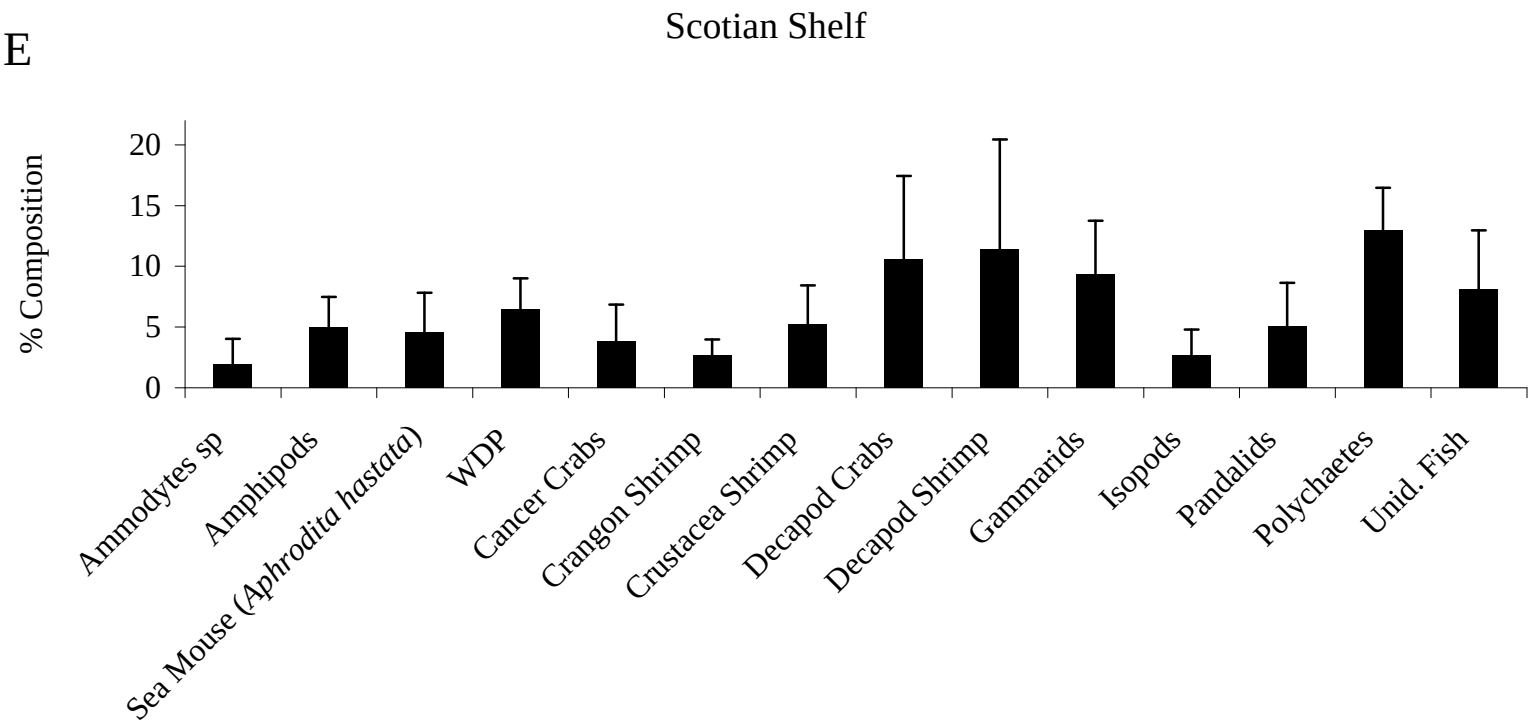

Figure 37E. Percent diet composition by weight of major prey taxa for little skate (*Leucoraja erinacea*) collected on the Scotian Shelf (n = 220). WDP = well-digested prey; Unid. Fish = unidentified fish.

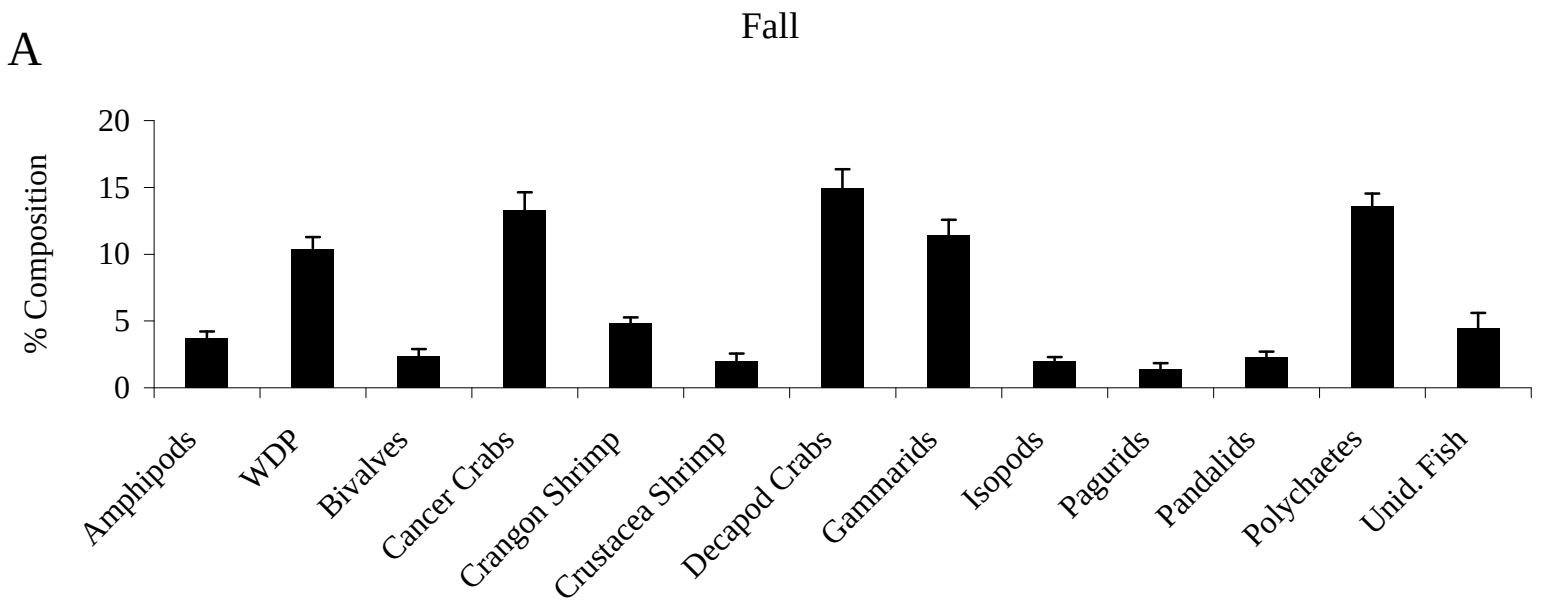

Figure 38A. Percent diet composition by weight of major prey taxa for little skate (*Leucoraja erinacea*) collected in the fall (n = 7,403). WDP = well-digested prey; Unid. Fish = unidentified fish.

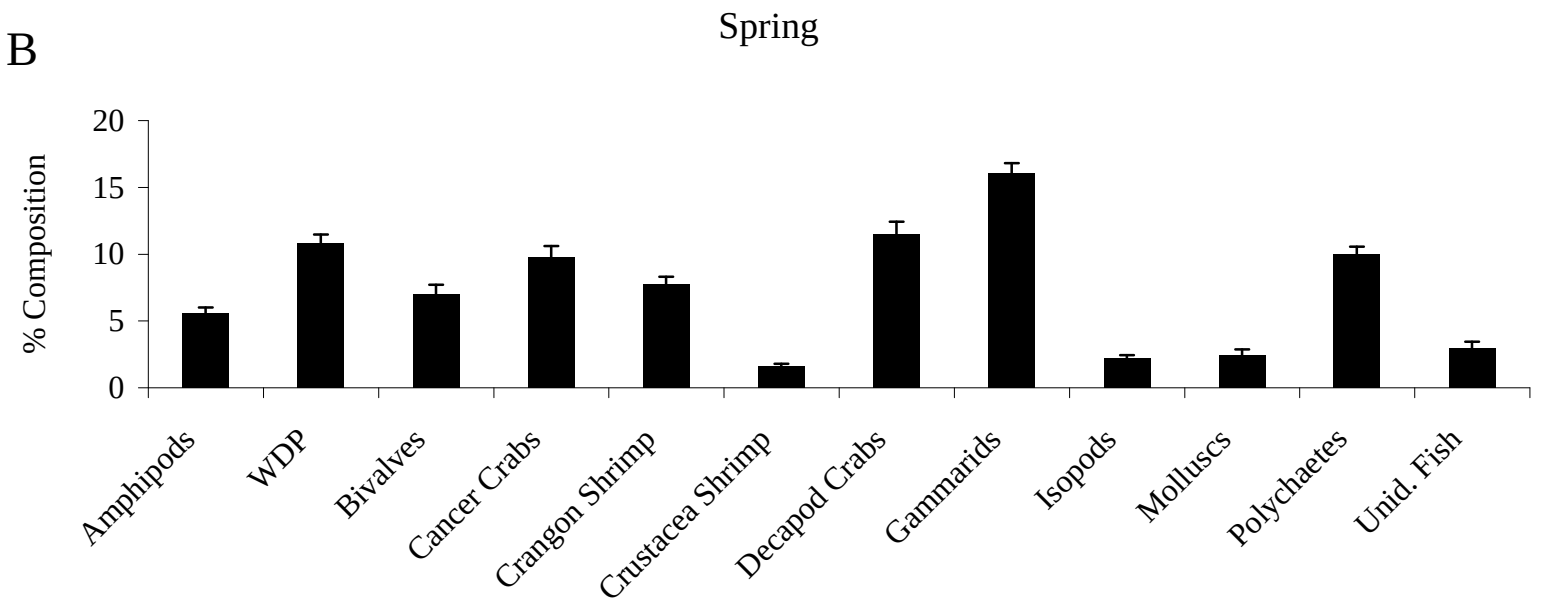

Figure 38B. Percent diet composition by weight of major prey taxa for little skate (*Leucoraja erinacea*) collected in the spring (n = 13,394). WDP = well-digested prey; Unid. Fish = unidentified fish.

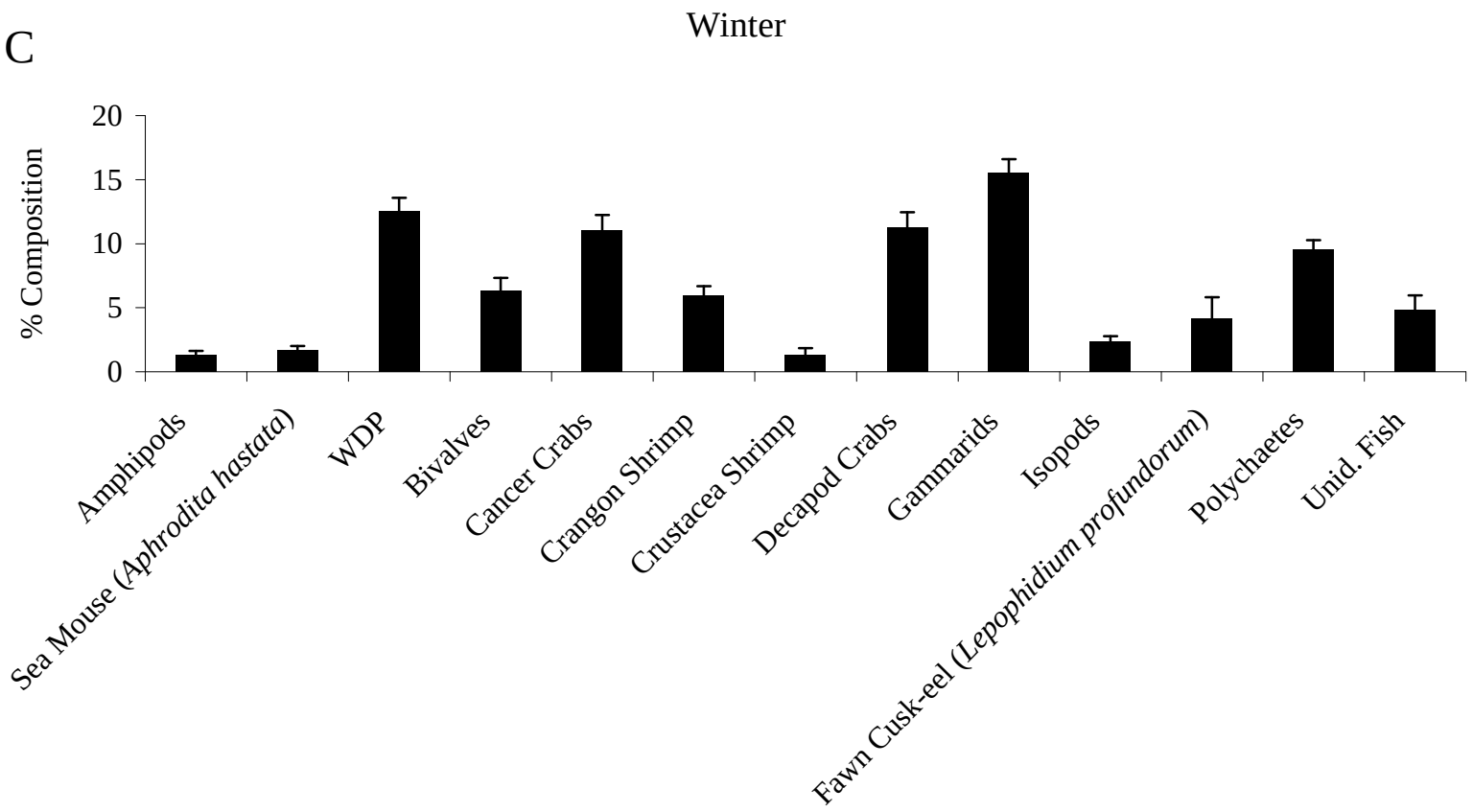

Figure 38C. Percent diet composition by weight of major prey taxa for little skate (*Leucoraja erinacea*) collected in the winter (n = 6,120). WDP = well-digested prey; Unid. Fish = unidentified fish.

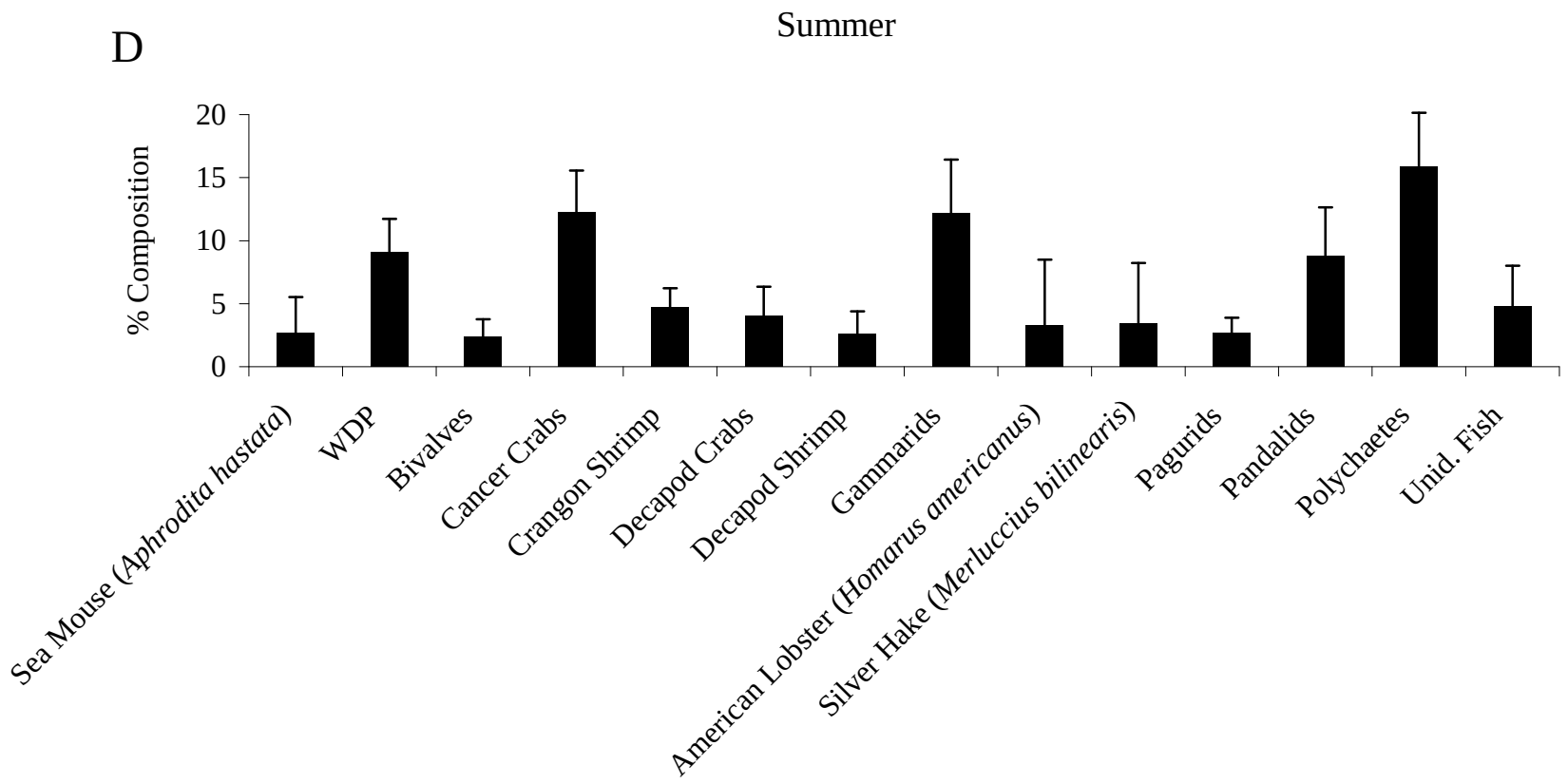

Figure 38D. Percent diet composition by weight of major prey taxa for little skate (*Leucoraja erinacea*) collected in the summer (n = 590). WDP = well-digested prey; Unid. Fish = unidentified fish.

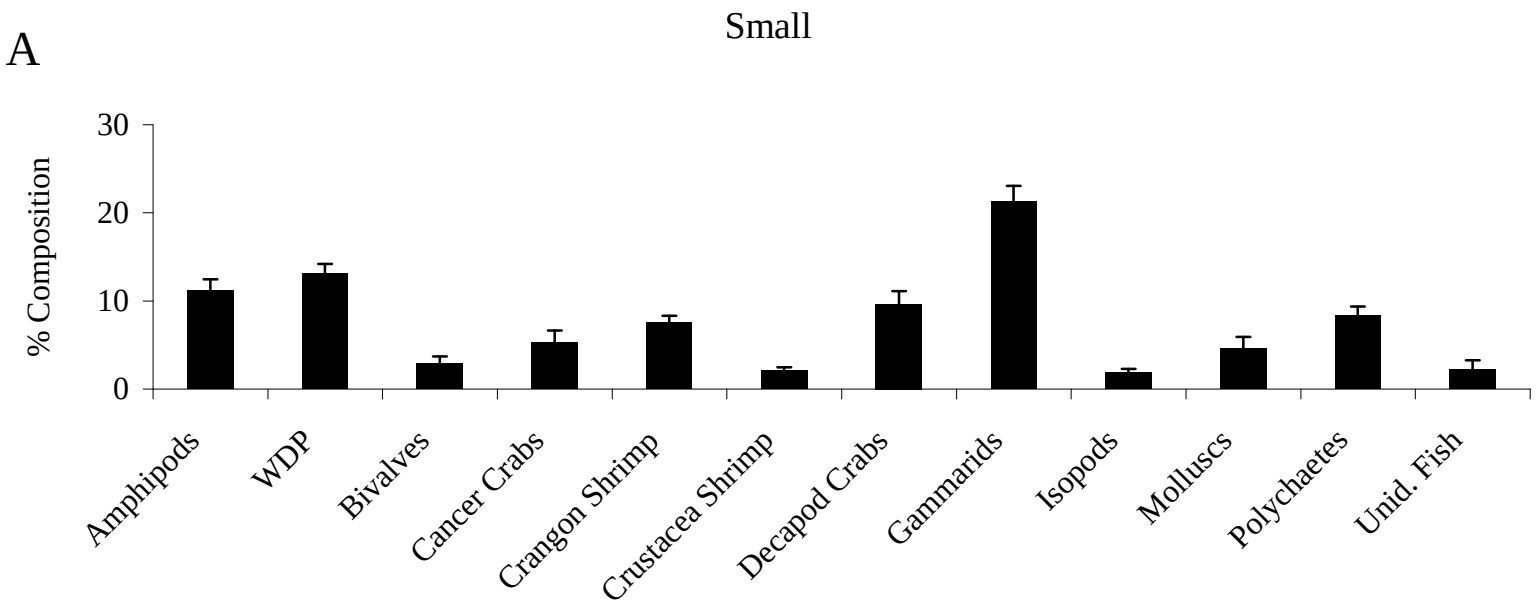

Figure 39A. Percent diet composition by weight of major prey taxa for little skate (*Leucoraja erinacea*) in the small size class (n = 6,194). WDP = well-digested prey; Unid. Fish = unidentified fish.

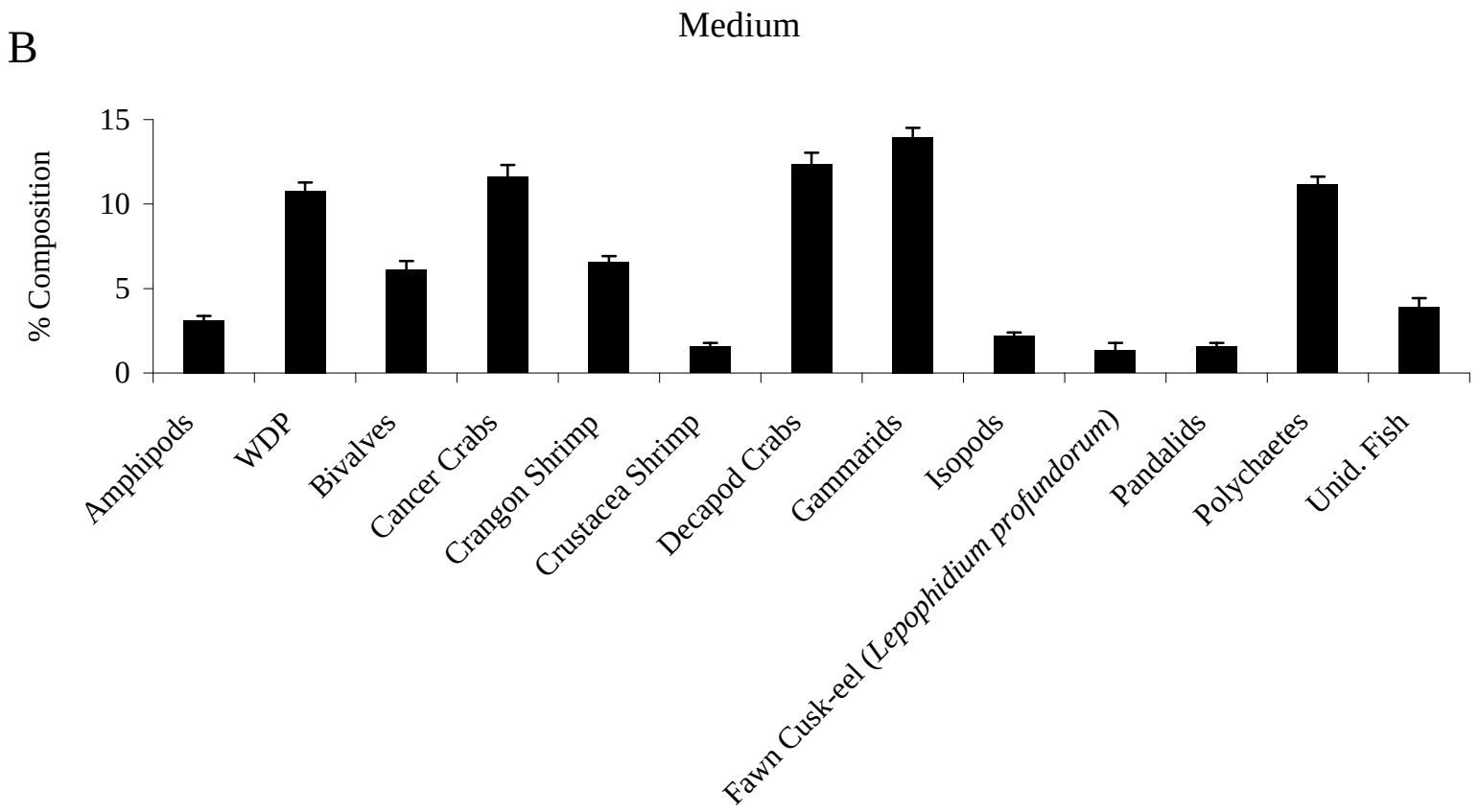

Figure 39B. Percent diet composition by weight of major prey taxa for little skate (*Leucoraja erinacea*) in the medium size class (n = 21,311). WDP = well-digested prey; Unid. Fish = unidentified fish.

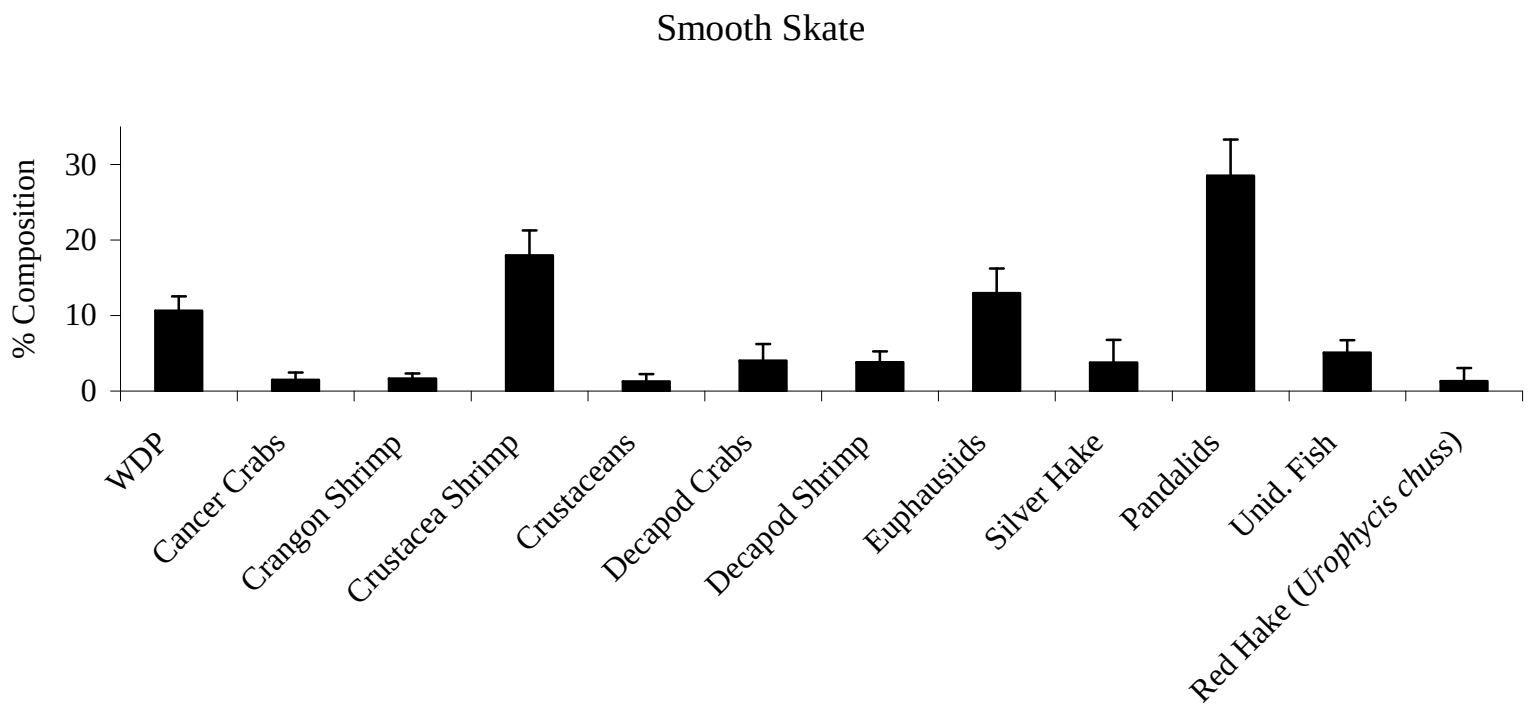

Figure 40. Percent diet composition by weight of major prey taxa for smooth skate (*Malacoraja senta*; n = 1,056). WDP = well-digested prey; Unid. Fish = unidentified fish.

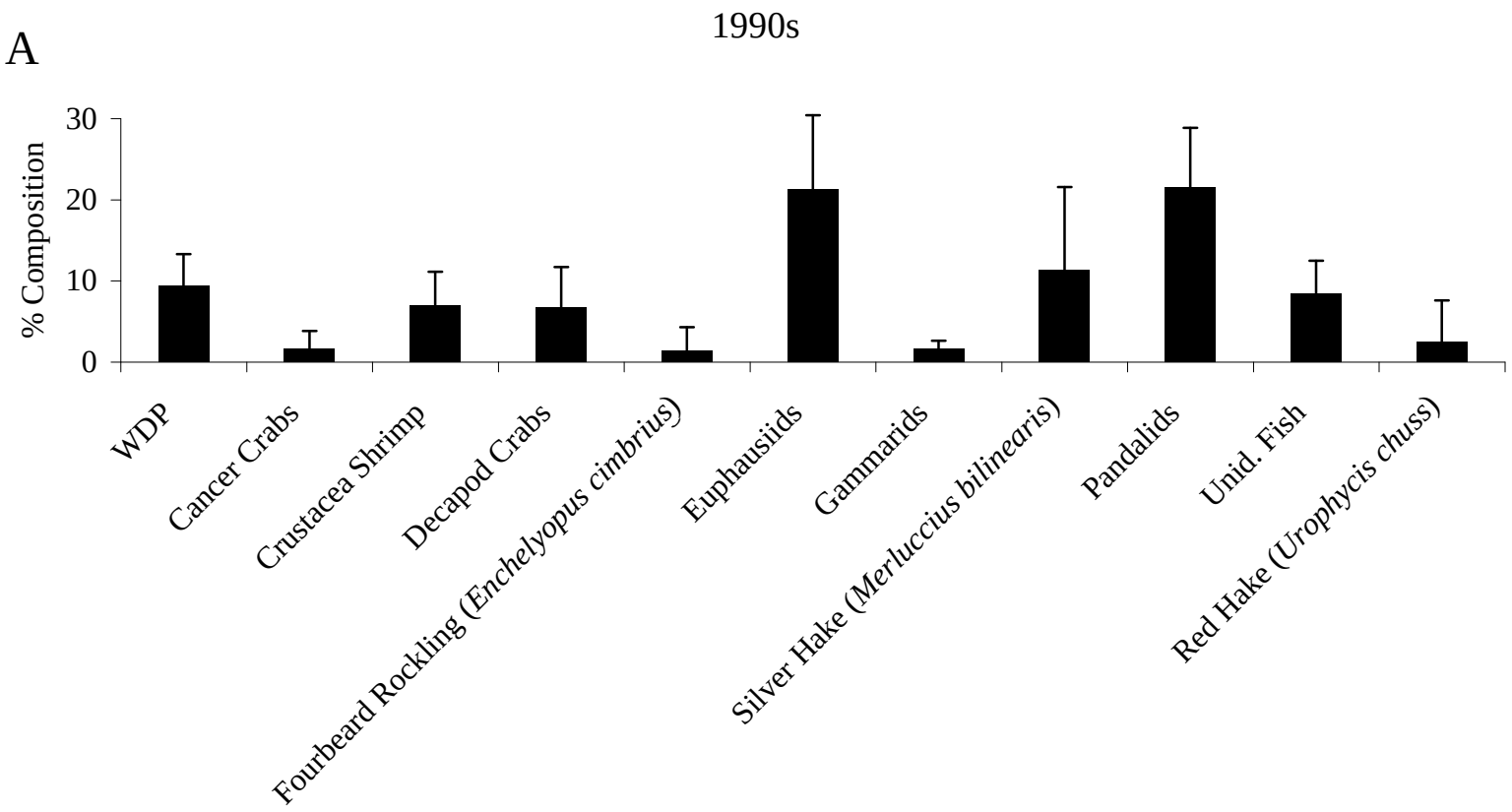

Figure 41A. Percent diet composition by weight of major prey taxa for smooth skate (*Malacoraja senta*) collected in the 1990s (n = 221). WDP = well-digested prey; Unid. Fish = unidentified fish.

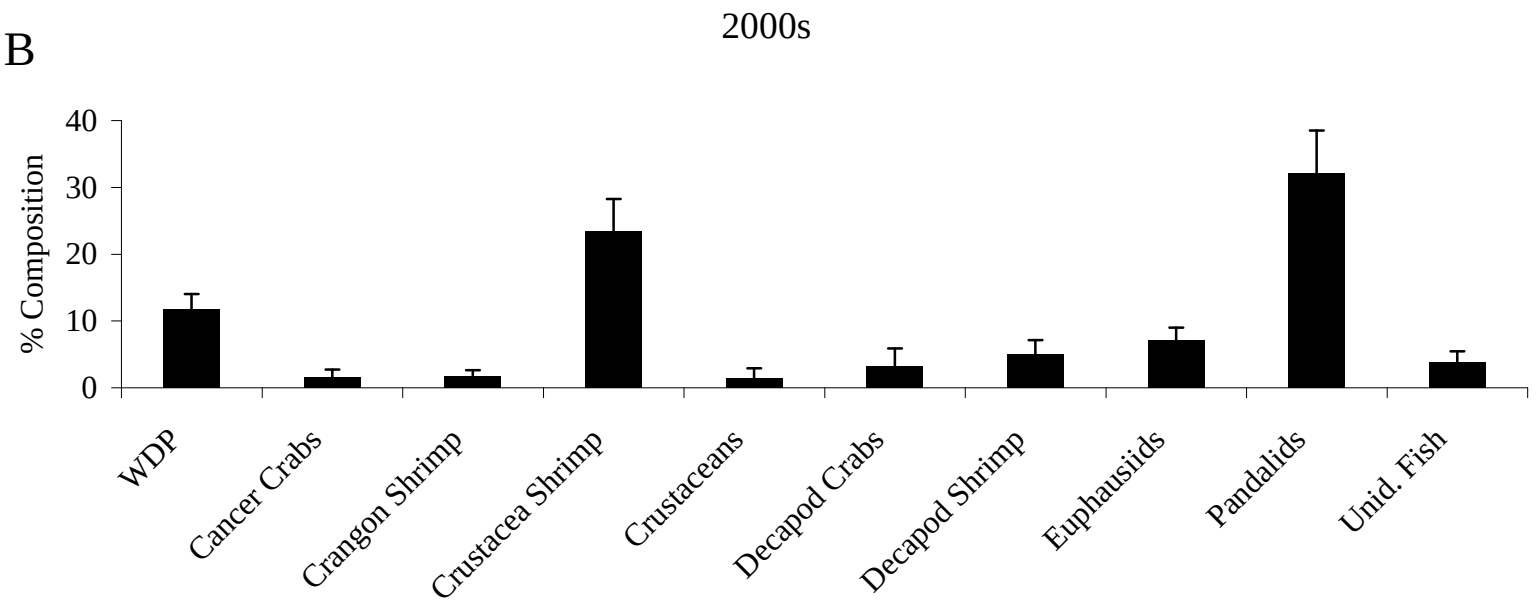

Figure 41B. Percent diet composition by weight of major prey taxa for smooth skate (*Malacoraja senta*) collected in the 2000s (n = 709). WDP = well-digested prey; Unid. Fish = unidentified fish.

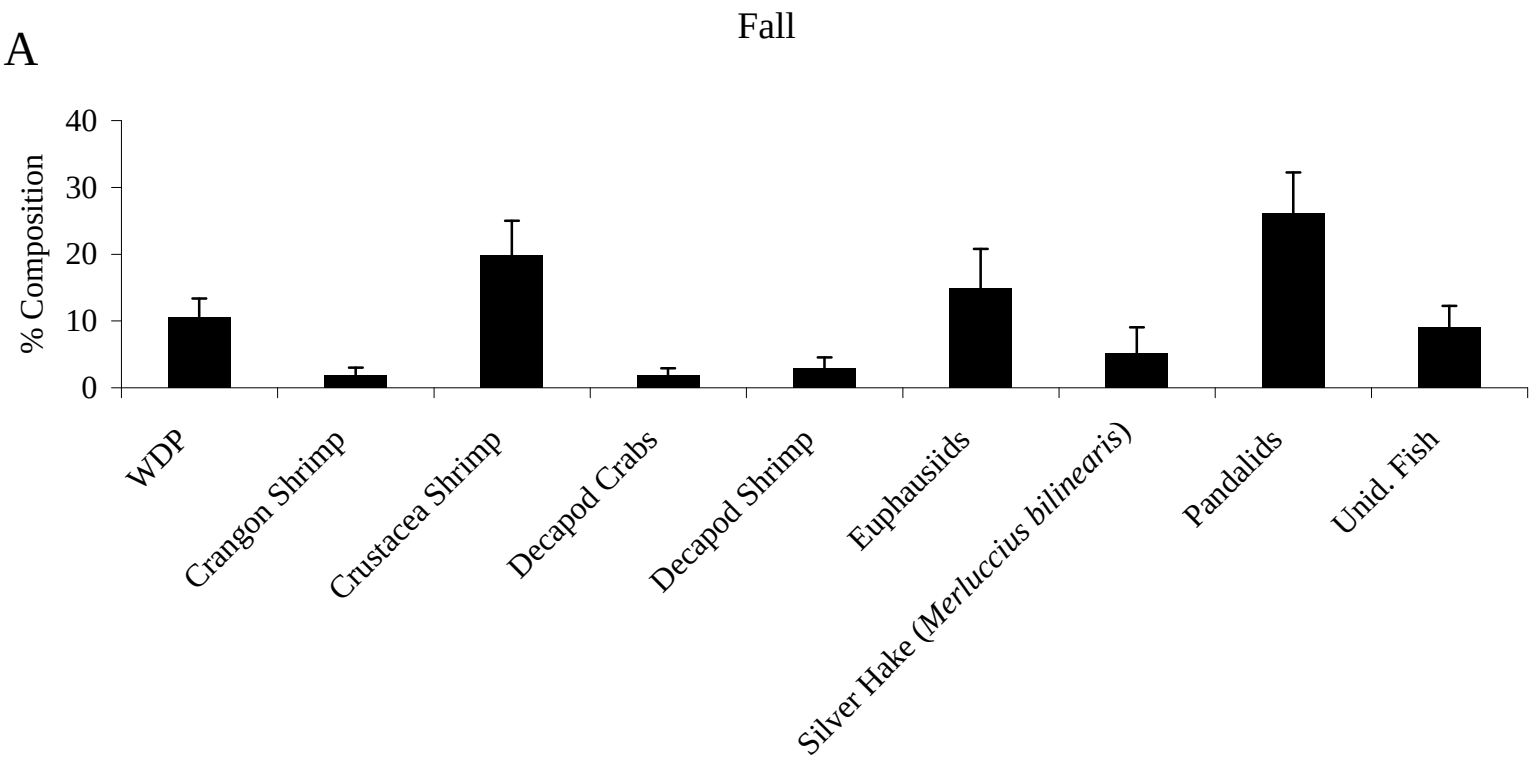

Figure 42A. Percent diet composition by weight of major prey taxa for smooth skate (*Malacoraja senta*) collected in the fall (n = 446). WDP = well-digested prey; Unid. Fish = unidentified fish.

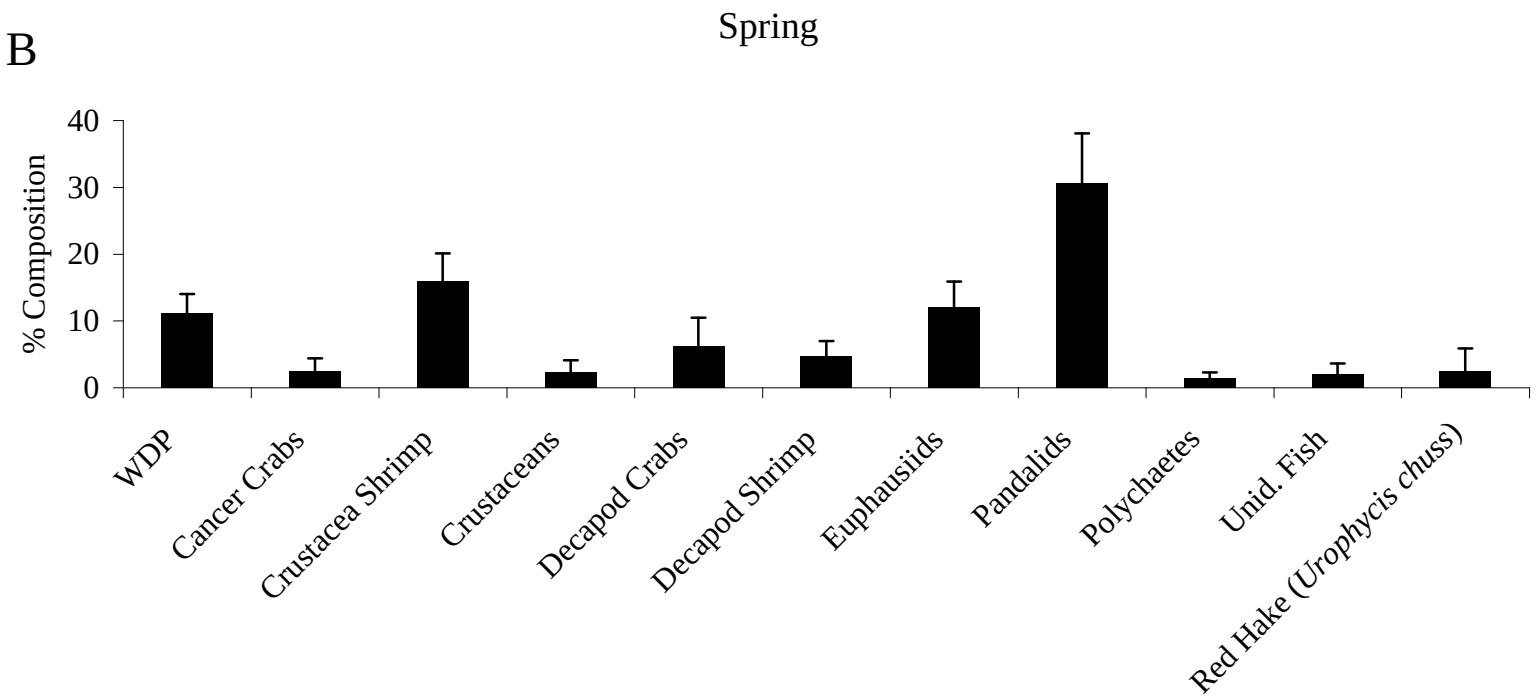

Figure 42B. Percent diet composition by weight of major prey taxa for smooth skate (*Malacoraja senta*) collected in the spring (n = 558). WDP = well-digested prey; Unid. Fish = unidentified fish.

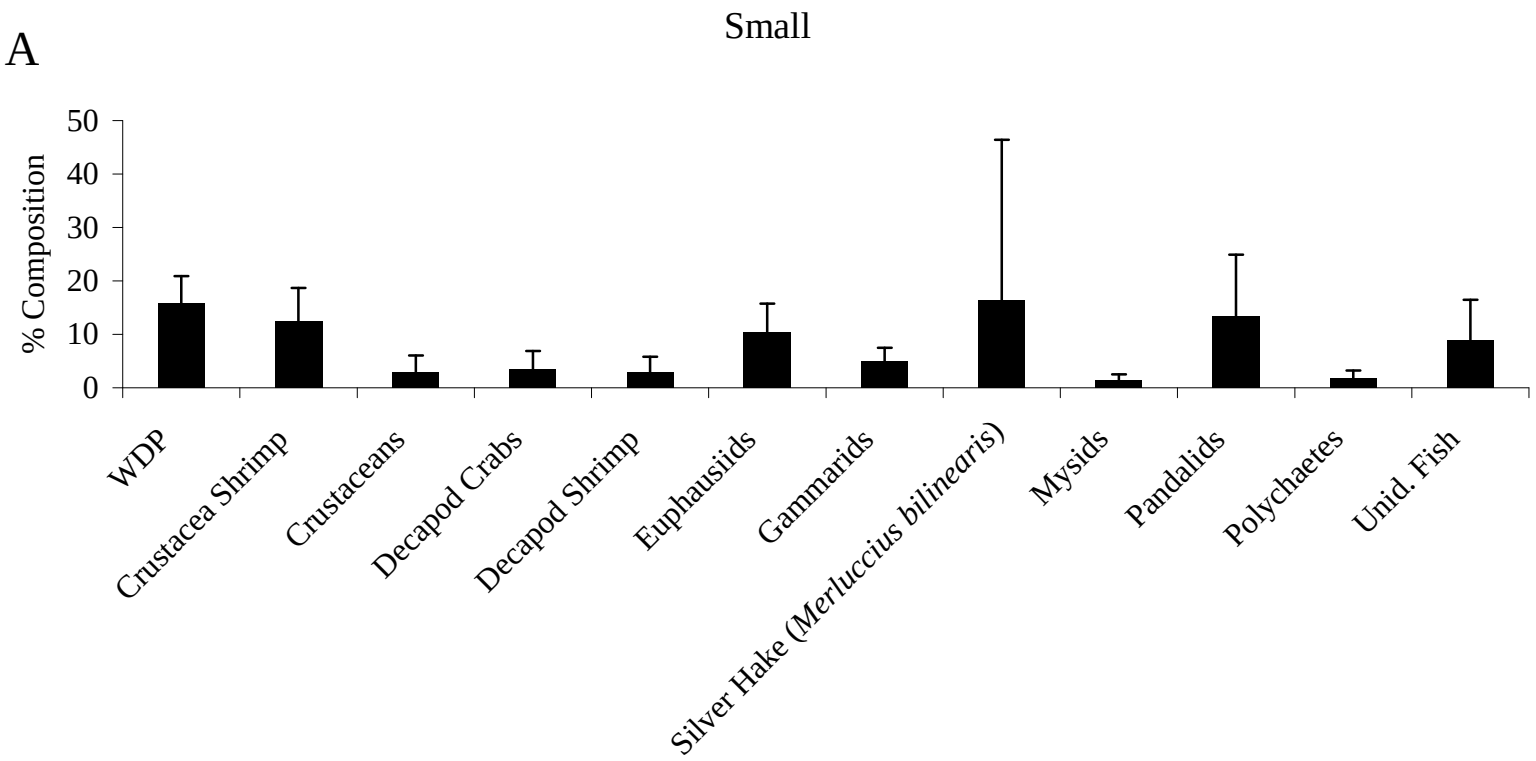

Figure 43A. Percent diet composition by weight of major prey taxa for smooth skate (*Malacoraja senta*) in the small size class (n = 236). WDP = well-digested prey; Unid. Fish = unidentified fish.

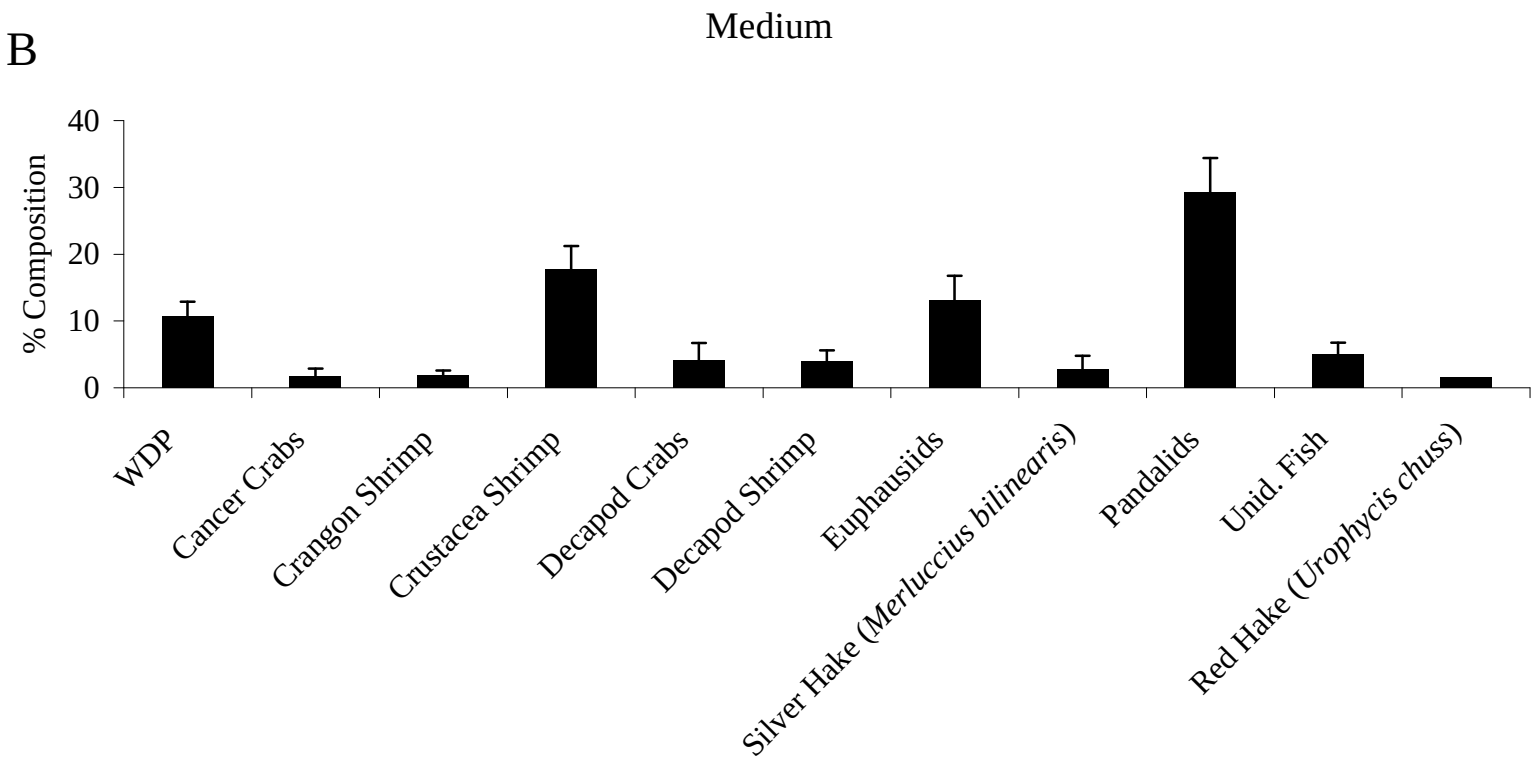

Figure 43B. Percent diet composition by weight of major prey taxa for smooth skate (*Malacoraja senta*) in the medium size class (n = 790). WDP = well-digested prey; Unid. Fish = unidentified fish.

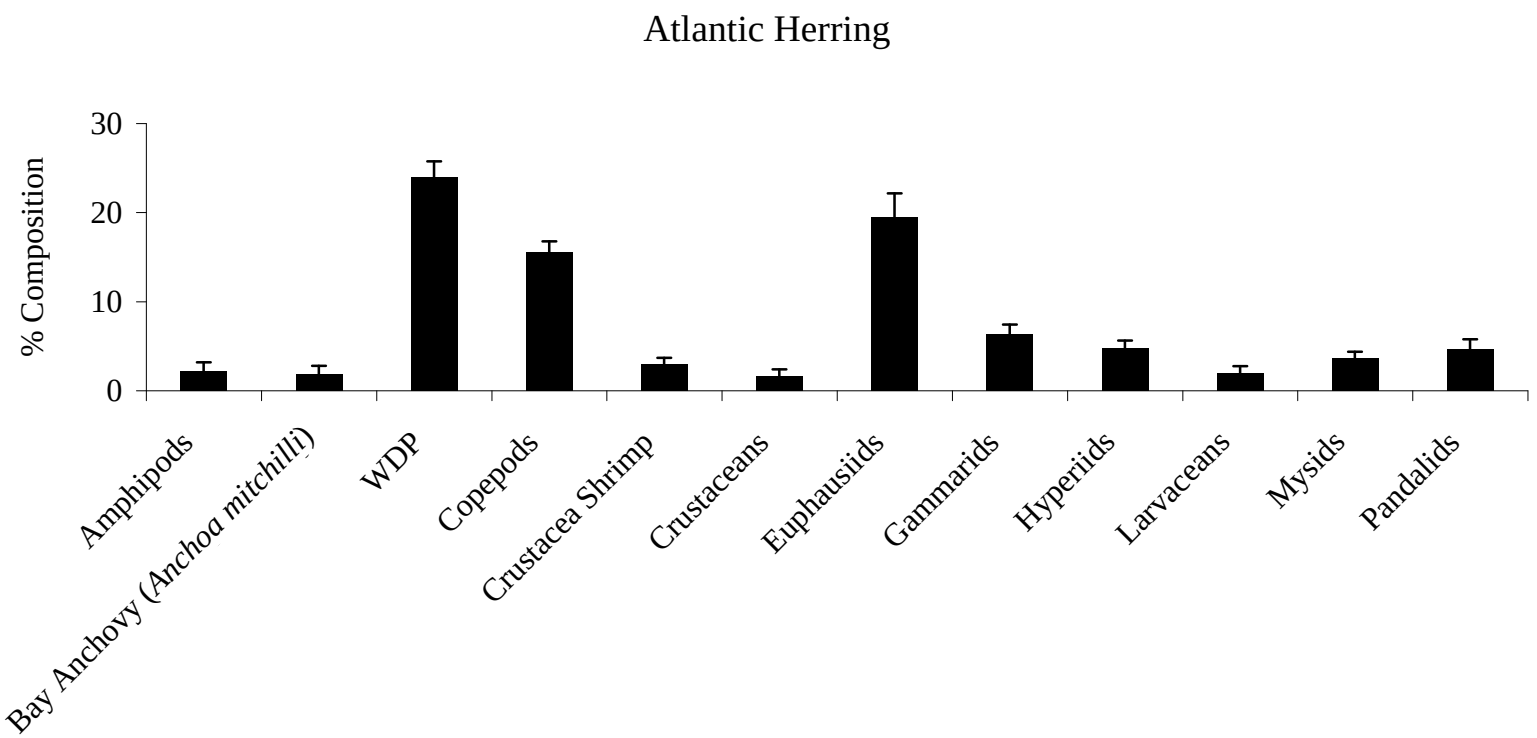

Figure 44. Percent diet composition by weight of major prey taxa for Atlantic herring (*Clupea harengus*; n = 17,910). WDP = well-digested prey.

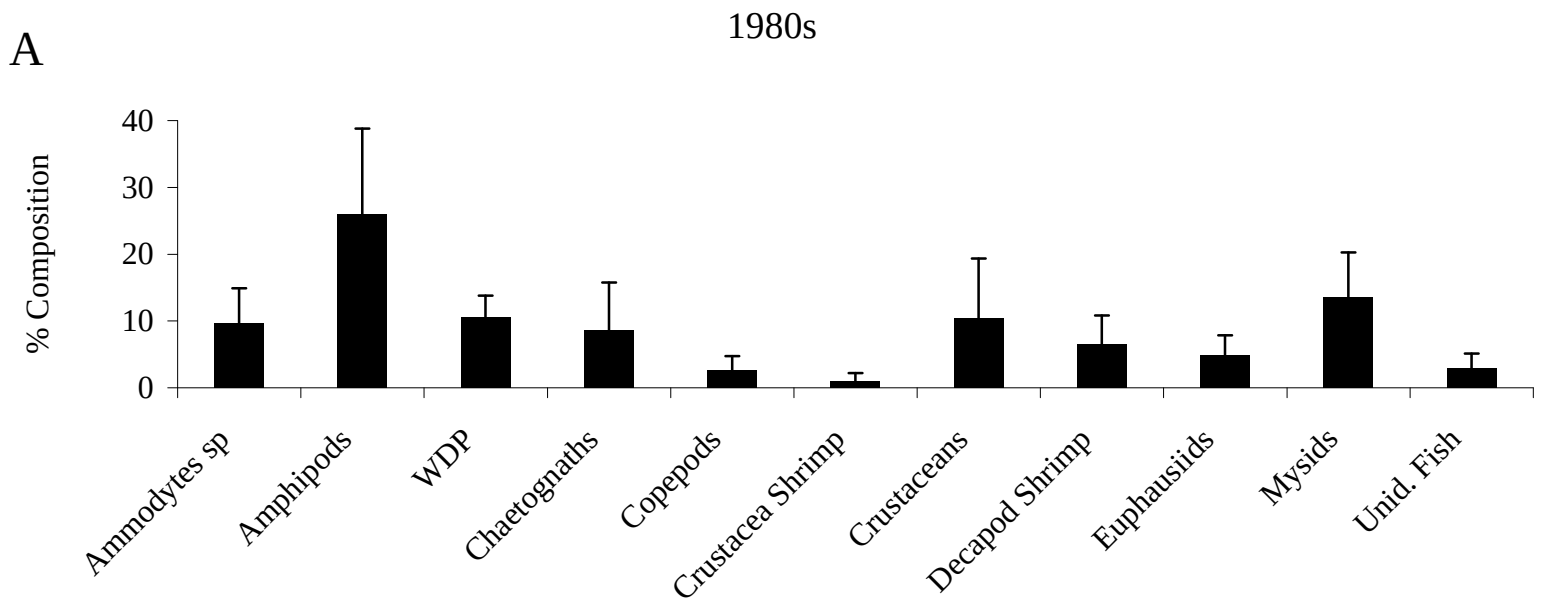

Figure 45A. Percent diet composition by weight of major prey taxa for Atlantic herring (*Clupea harengus*) collected in the 1980s (n = 564). WDP = well-digested prey; Unid. Fish = unidentified fish.

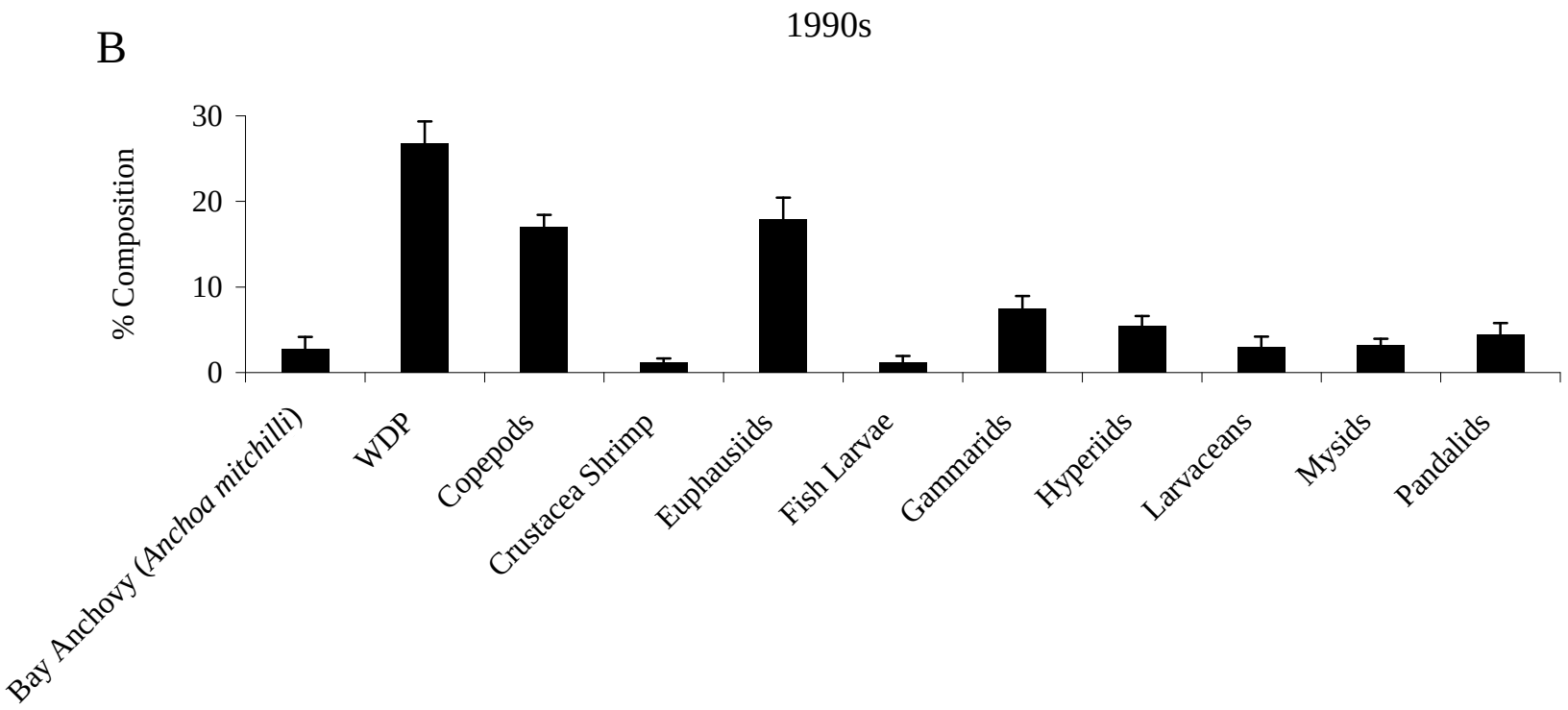

Figure 45B. Percent diet composition by weight of major prey taxa for Atlantic herring (*Clupea harengus*) collected in the 1990s (n = 12,553). WDP = well-digested prey.

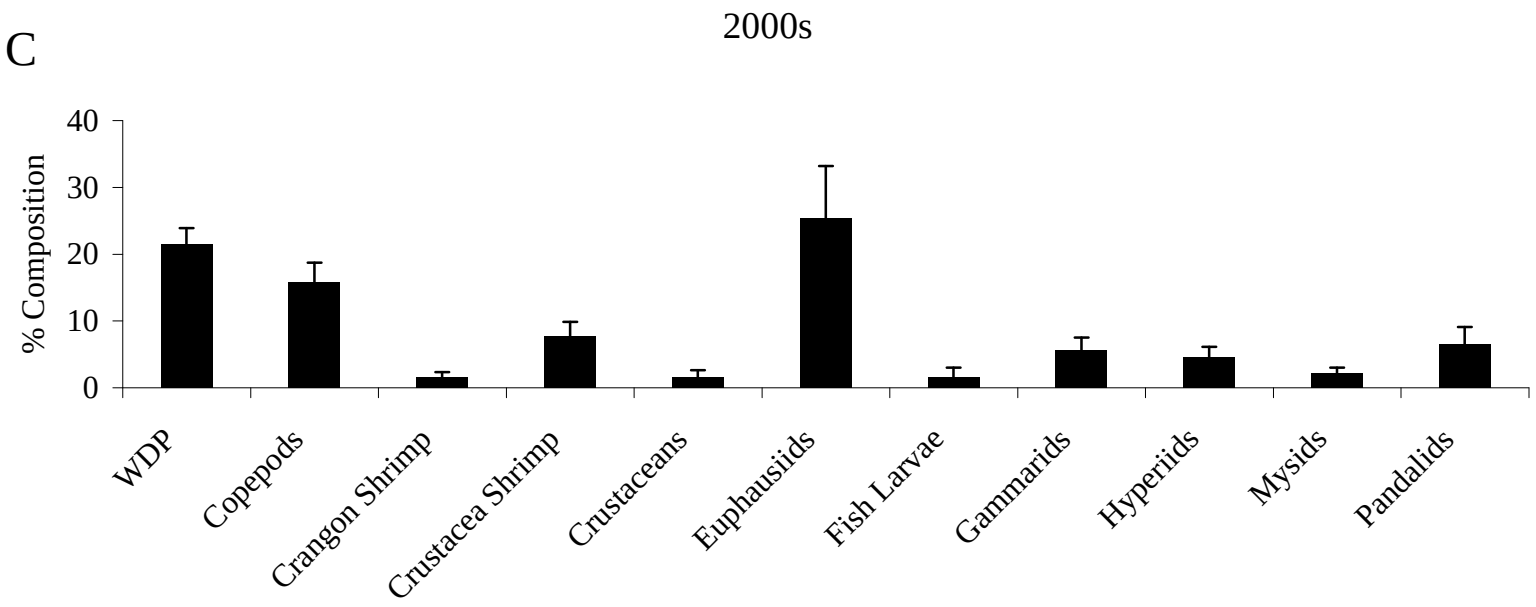

Figure 45C. Percent diet composition by weight of major prey taxa for Atlantic herring (*Clupea harengus*) collected in the 2000s (n = 4,697). WDP = well-digested prey.

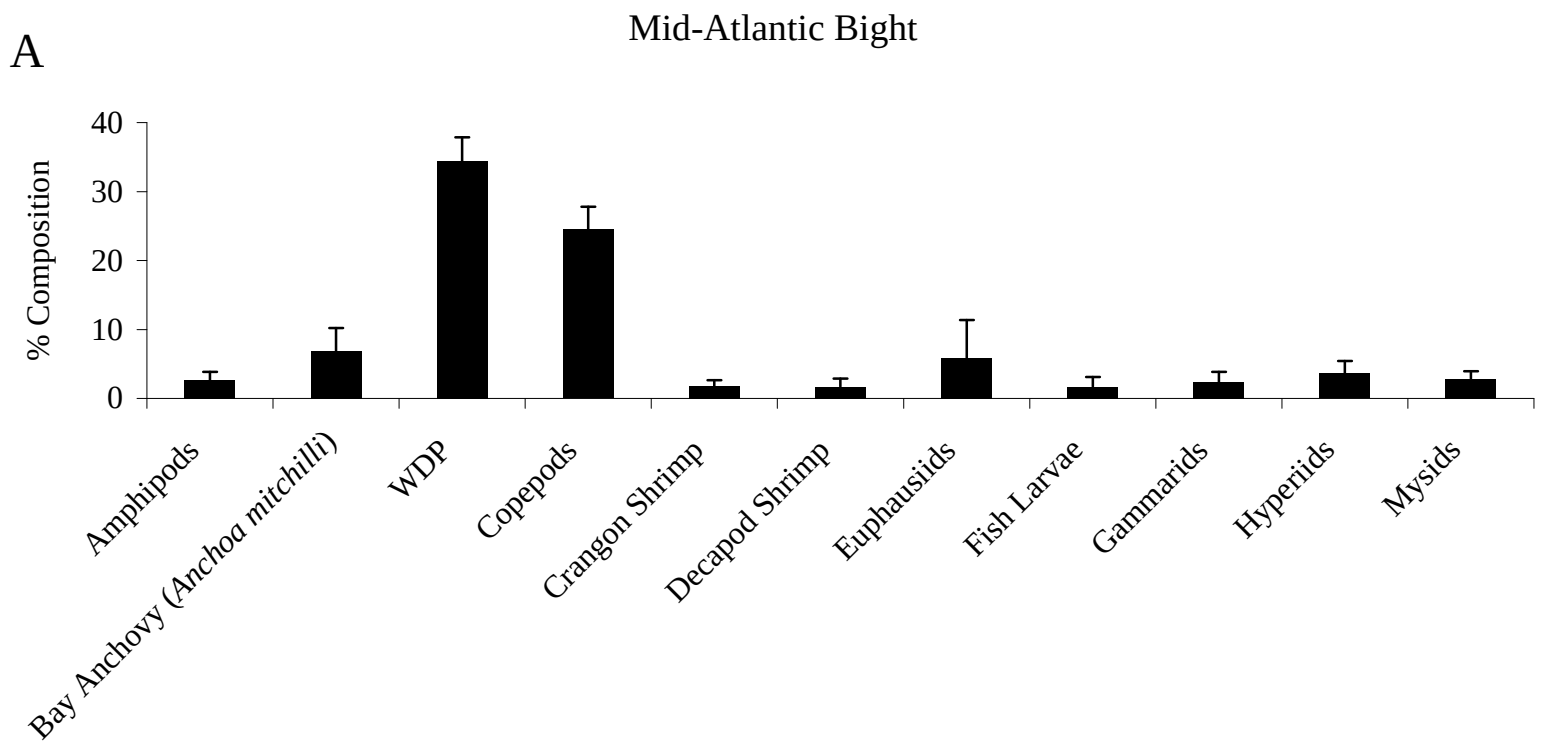

Figure 46A. Percent diet composition by weight of major prey taxa for Atlantic herring (*Clupea harengus*) collected in the Mid-Atlantic Bight (n = 4,003). WDP = well-digested prey.

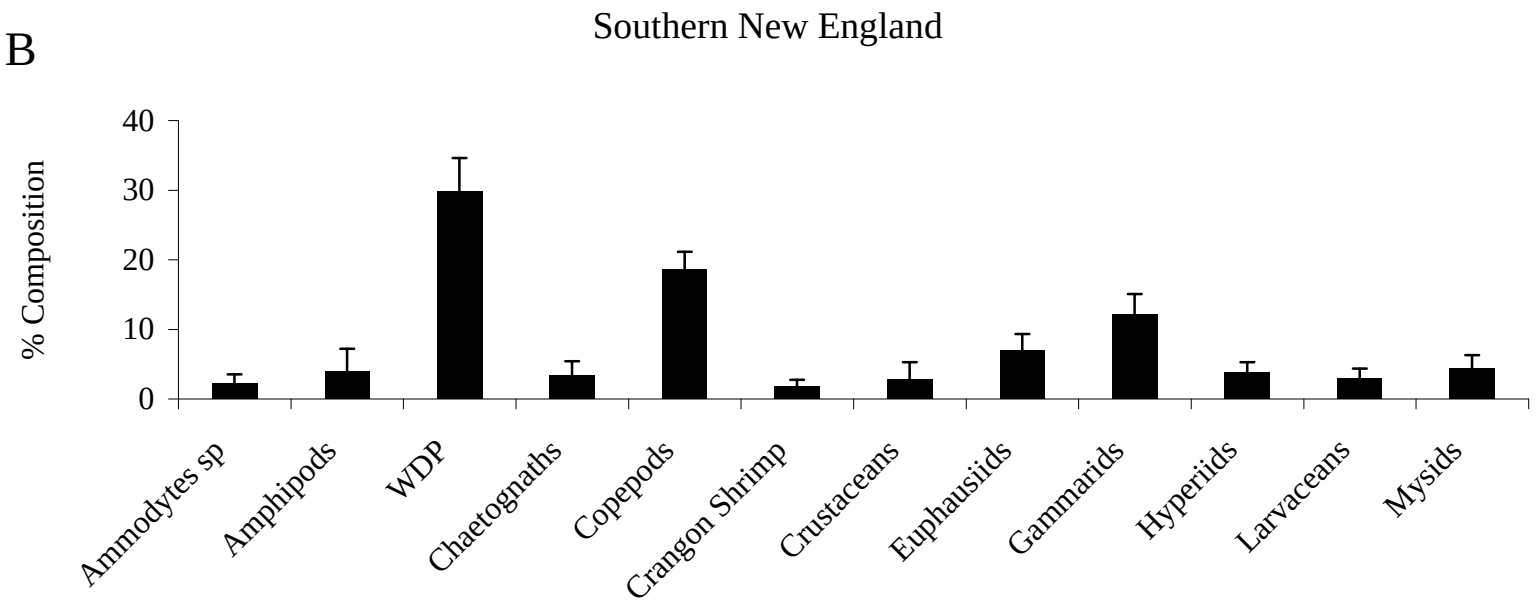

Figure 46B. Percent diet composition by weight of major prey taxa for Atlantic herring (*Clupea harengus*) collected collected in Southern New England (n = 4,653). WDP = well-digested prey.

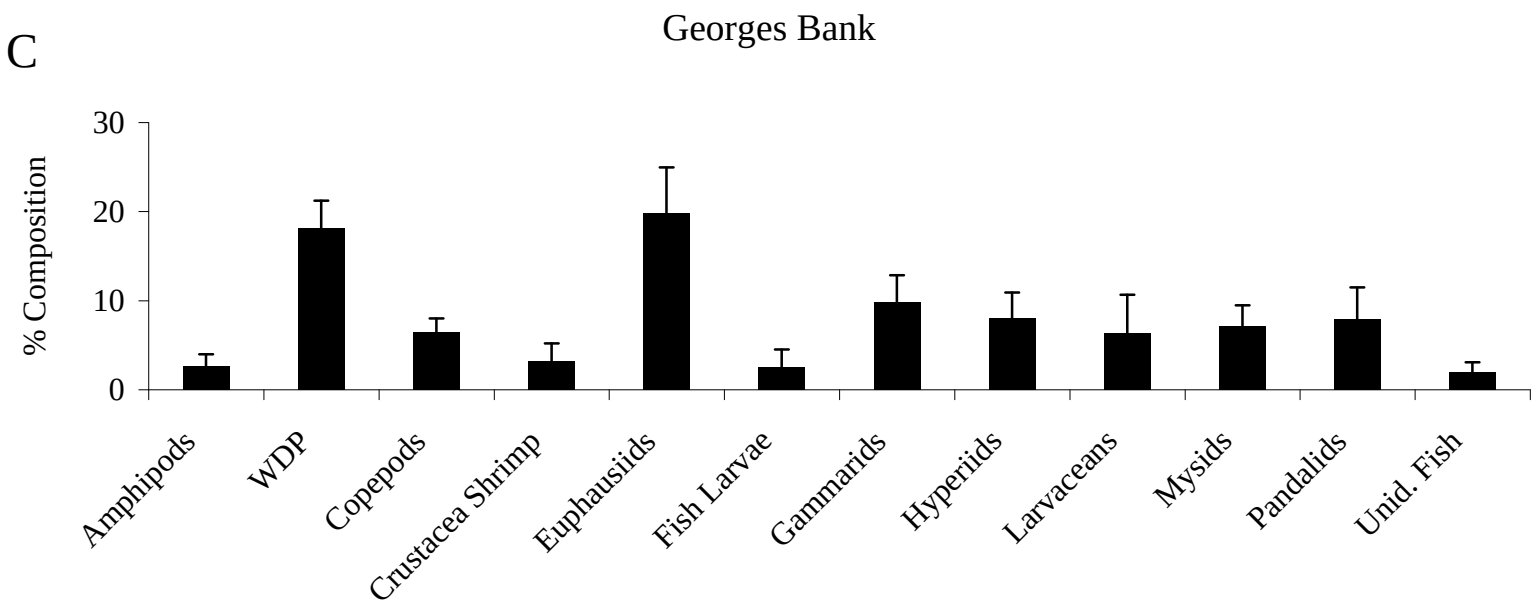

Figure 46C. Percent diet composition by weight of major prey taxa for Atlantic herring (*Clupea harengus*) collected on Georges Bank (n = 2,500). WDP = well-digested prey; Unid. Fish = unidentified fish.

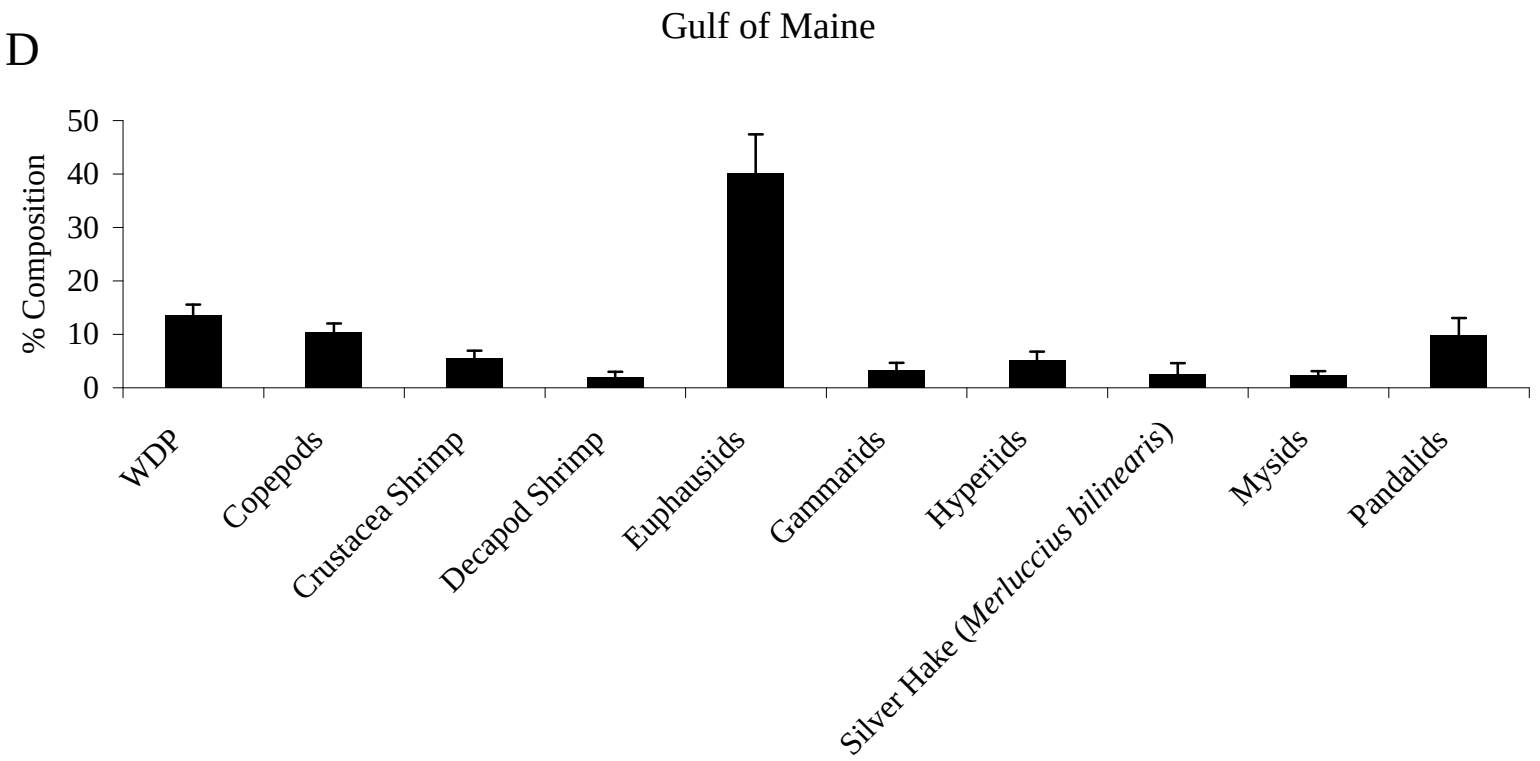

Figure 46D. Percent diet composition by weight of major prey taxa for Atlantic herring (*Clupea harengus*) collected in the Gulf of Maine (n = 6,224). WDP = well-digested prey.

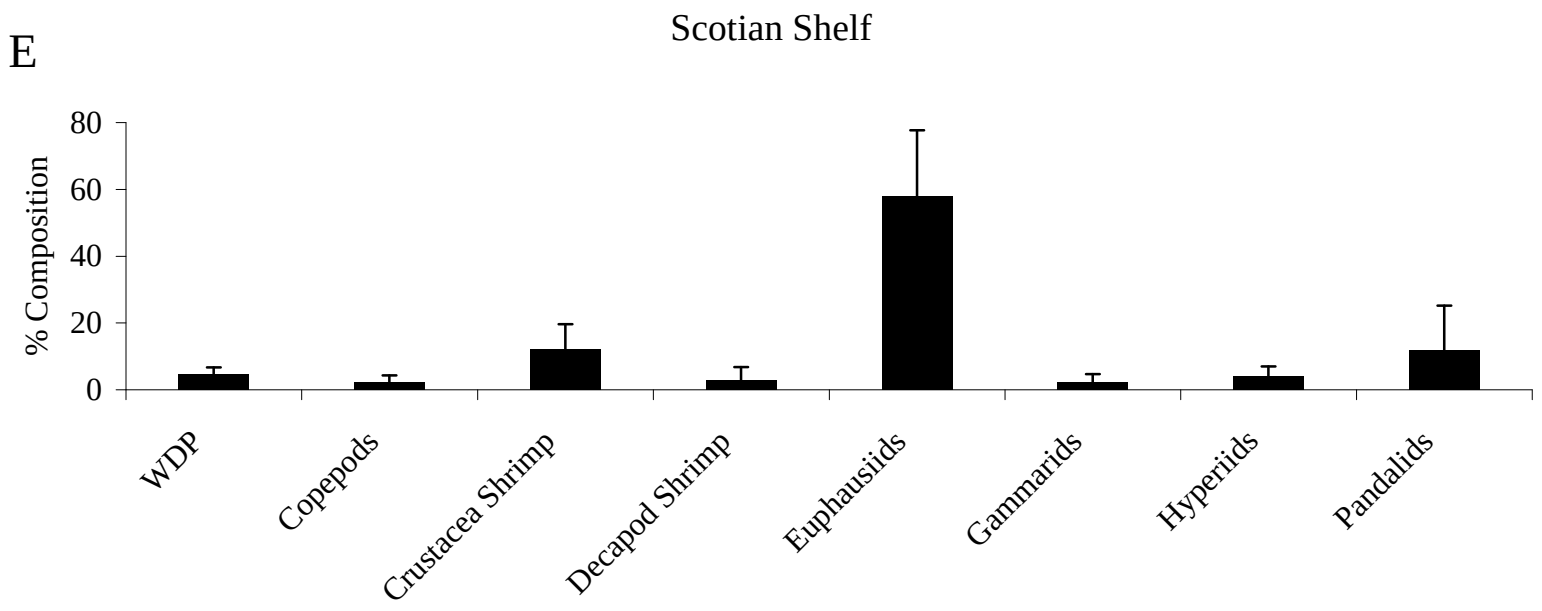

Figure 46E. Percent diet composition by weight of major prey taxa for Atlantic herring (*Clupea harengus*) collected on the Scotian Shelf (n = 515). WDP = well-digested prey.

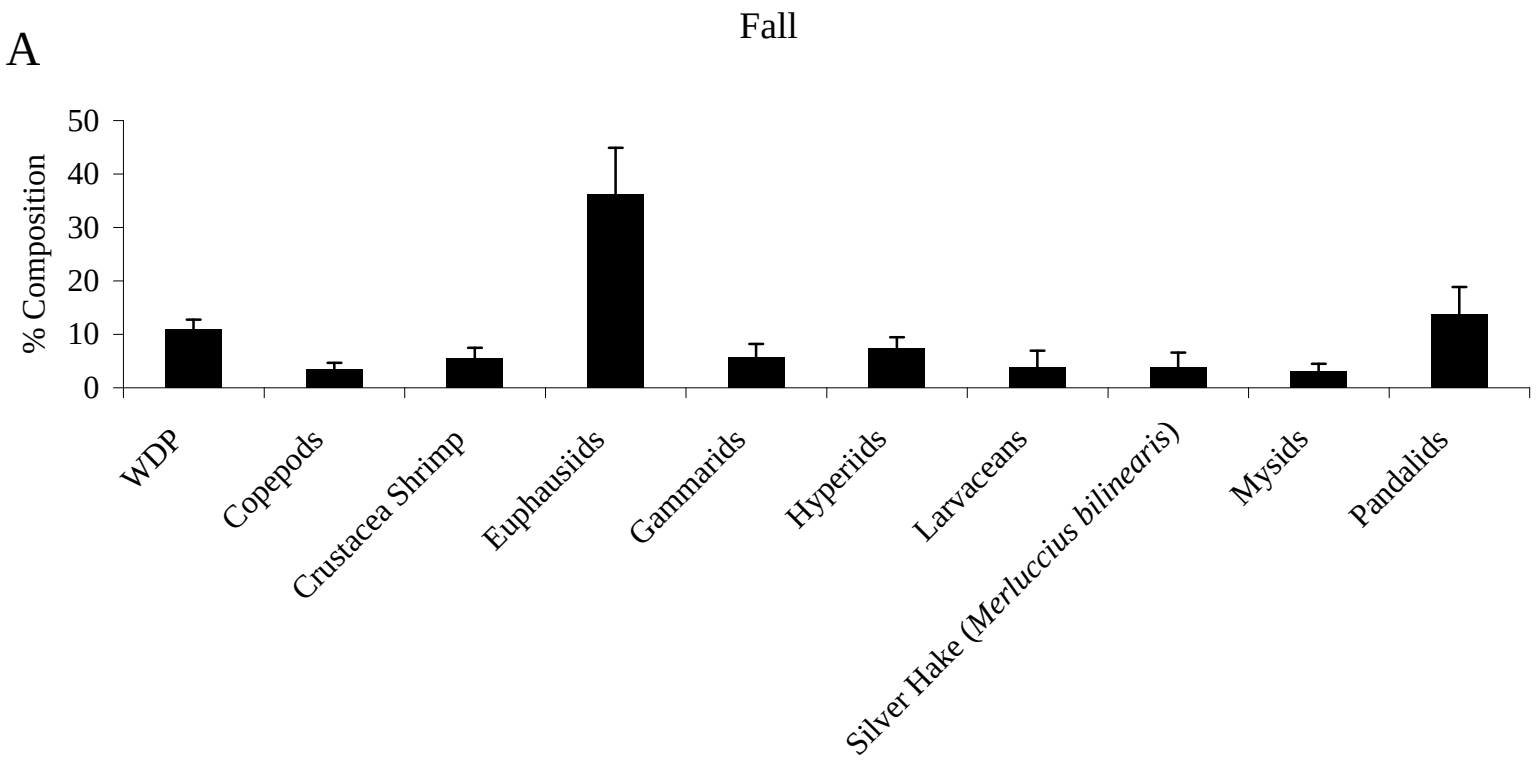

Figure 47A. Percent diet composition by weight of major prey taxa for Atlantic herring (*Clupea harengus*) collected in the fall (n = 4,496). WDP = well-digested prey.

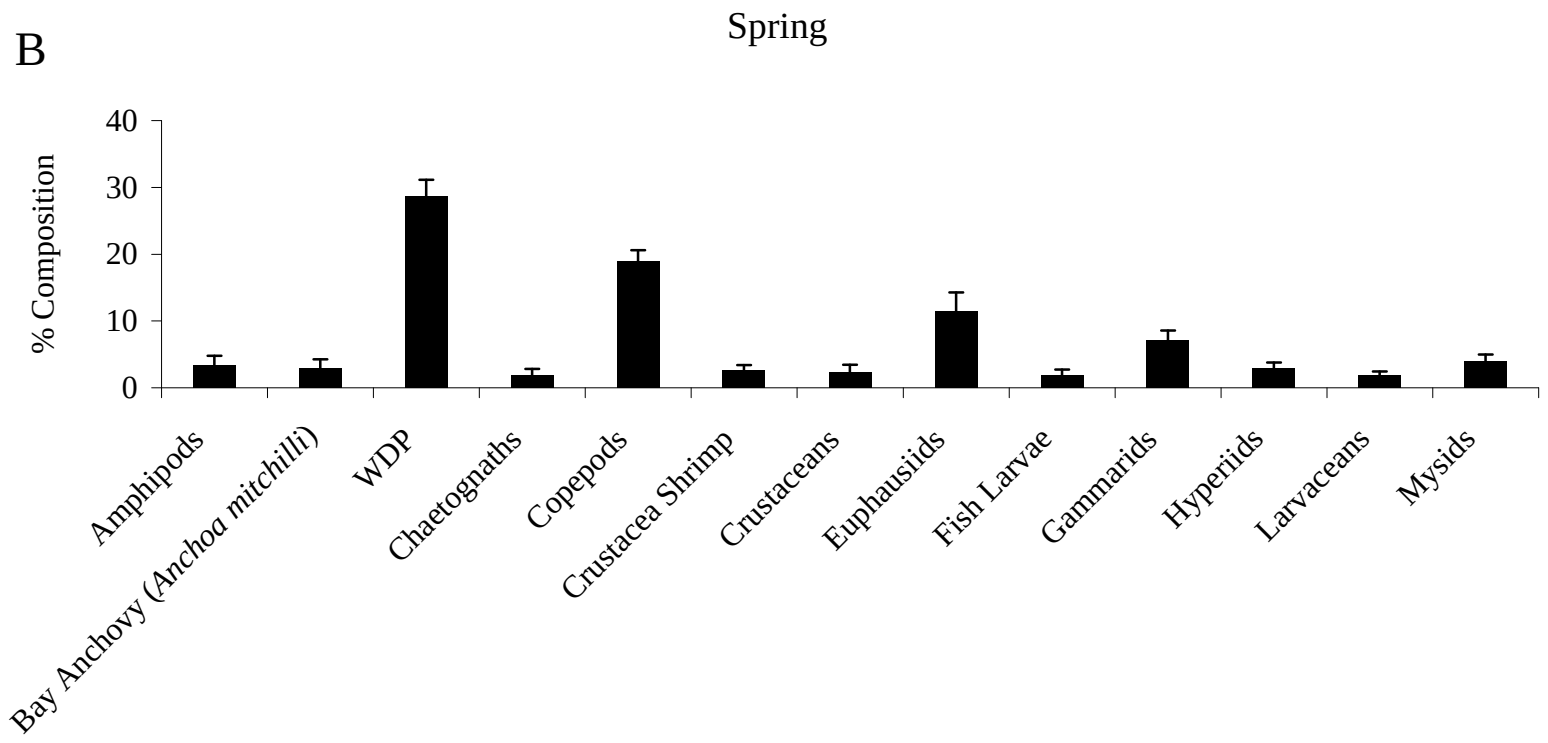

Figure 47B. Percent diet composition by weight of major prey taxa for Atlantic herring (*Clupea harengus*) collected in the spring (n = 9,765). WDP = well-digested prey.

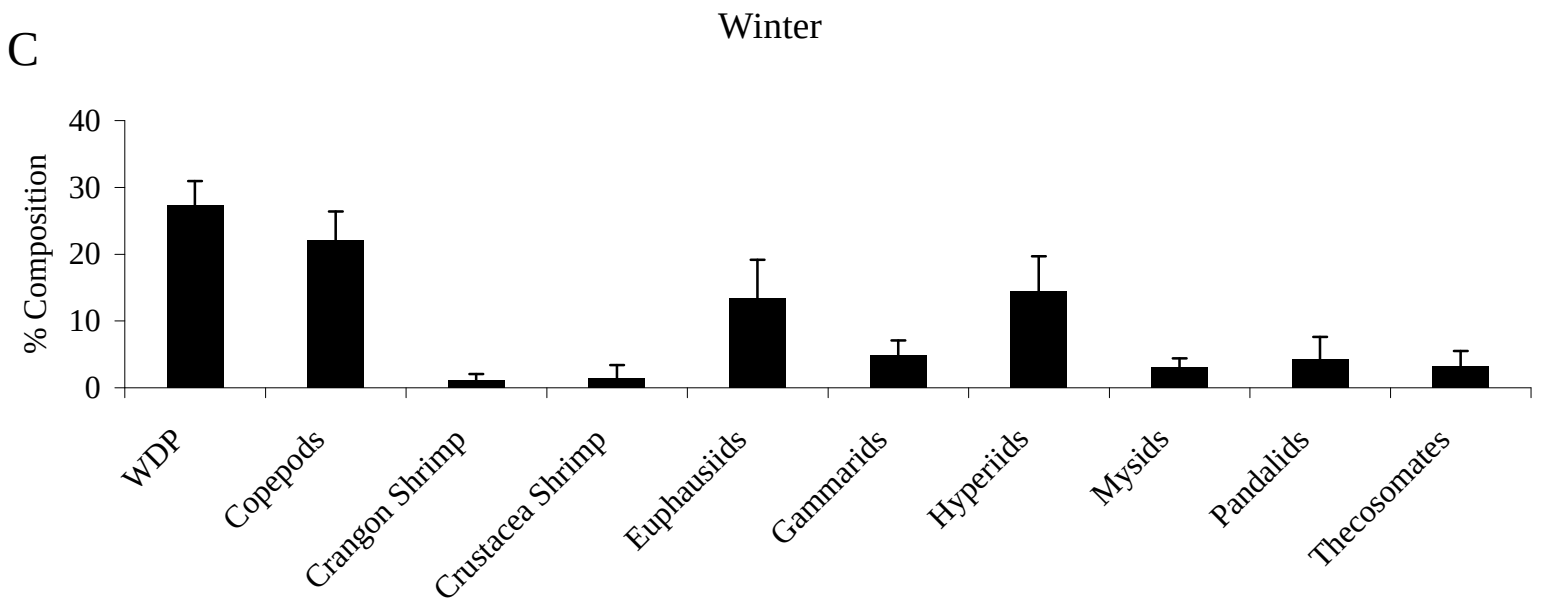

Figure 47C. Percent diet composition by weight of major prey taxa for Atlantic herring (*Clupea harengus*) collected in the winter (n = 2,441). WDP = well-digested prey.

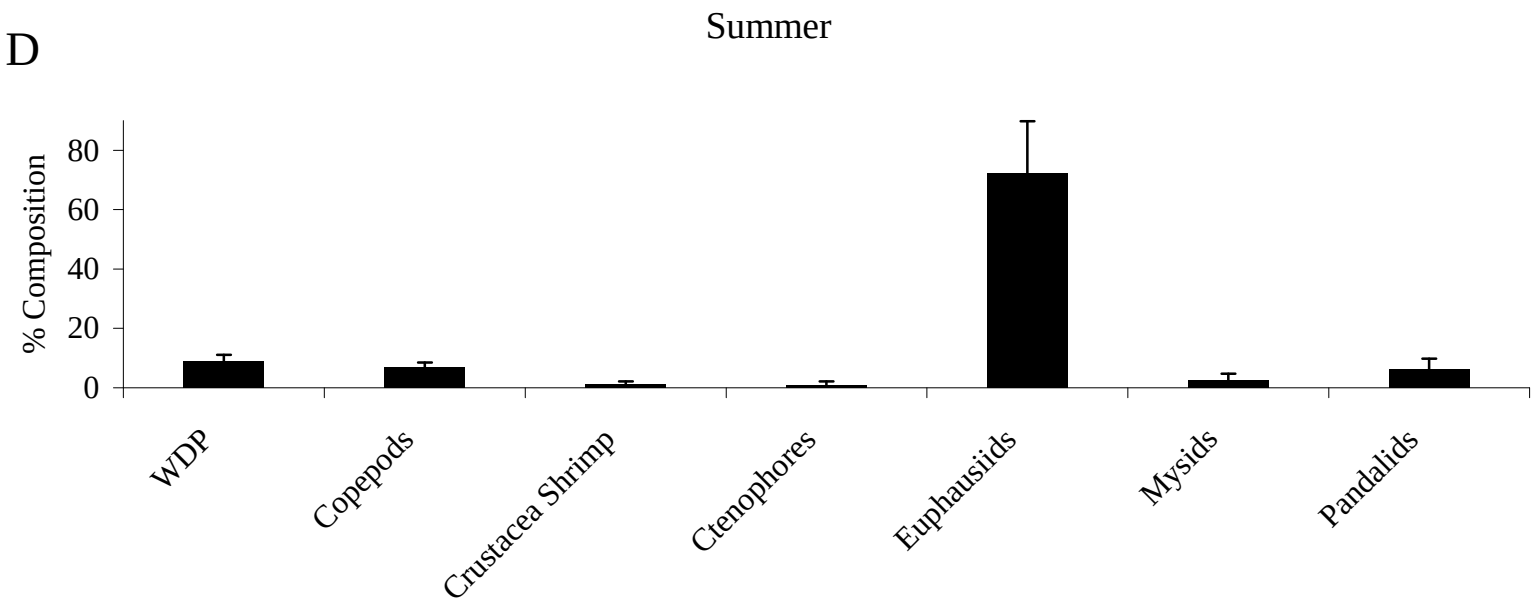

Figure 47D. Percent diet composition by weight of major prey taxa for Atlantic herring (*Clupea harengus*) collected in the summer (n = 1,208). WDP = well-digested prey.

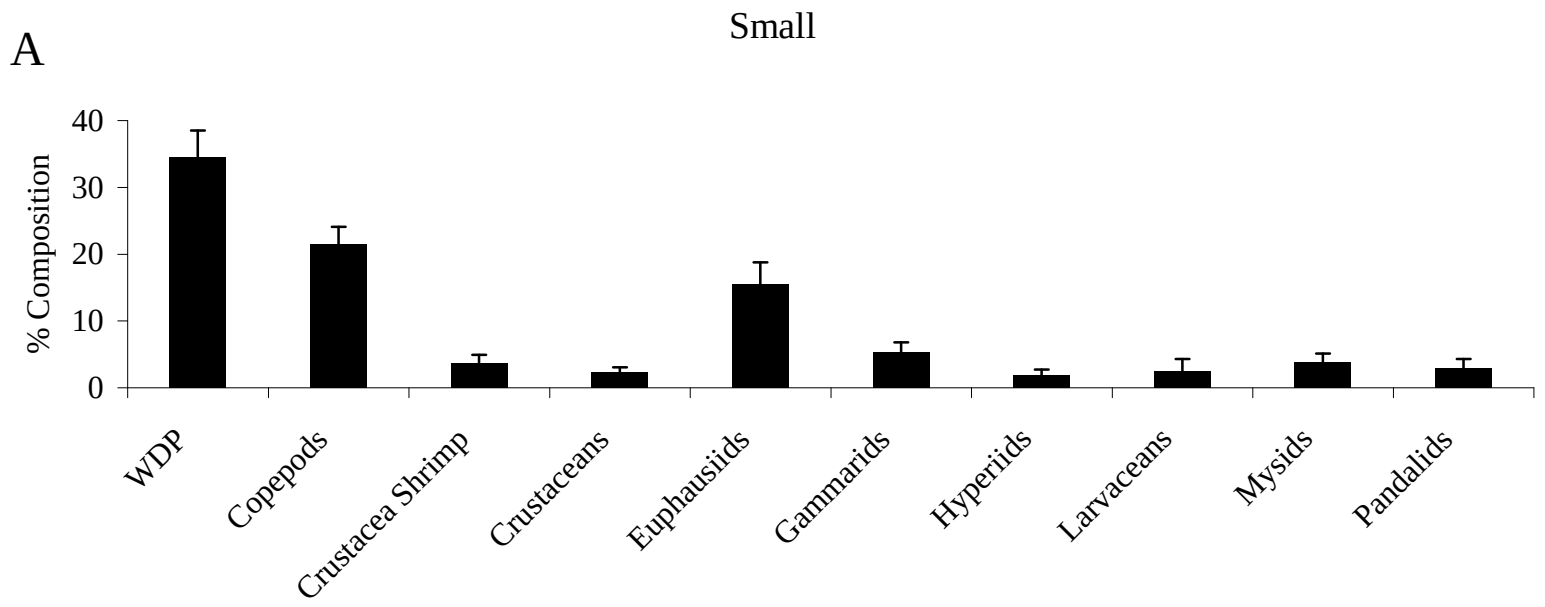

Figure 48A. Percent diet composition by weight of major prey taxa for Atlantic herring (*Clupea harengus*) in the small size class (n = 4,413). WDP = well-digested prey.

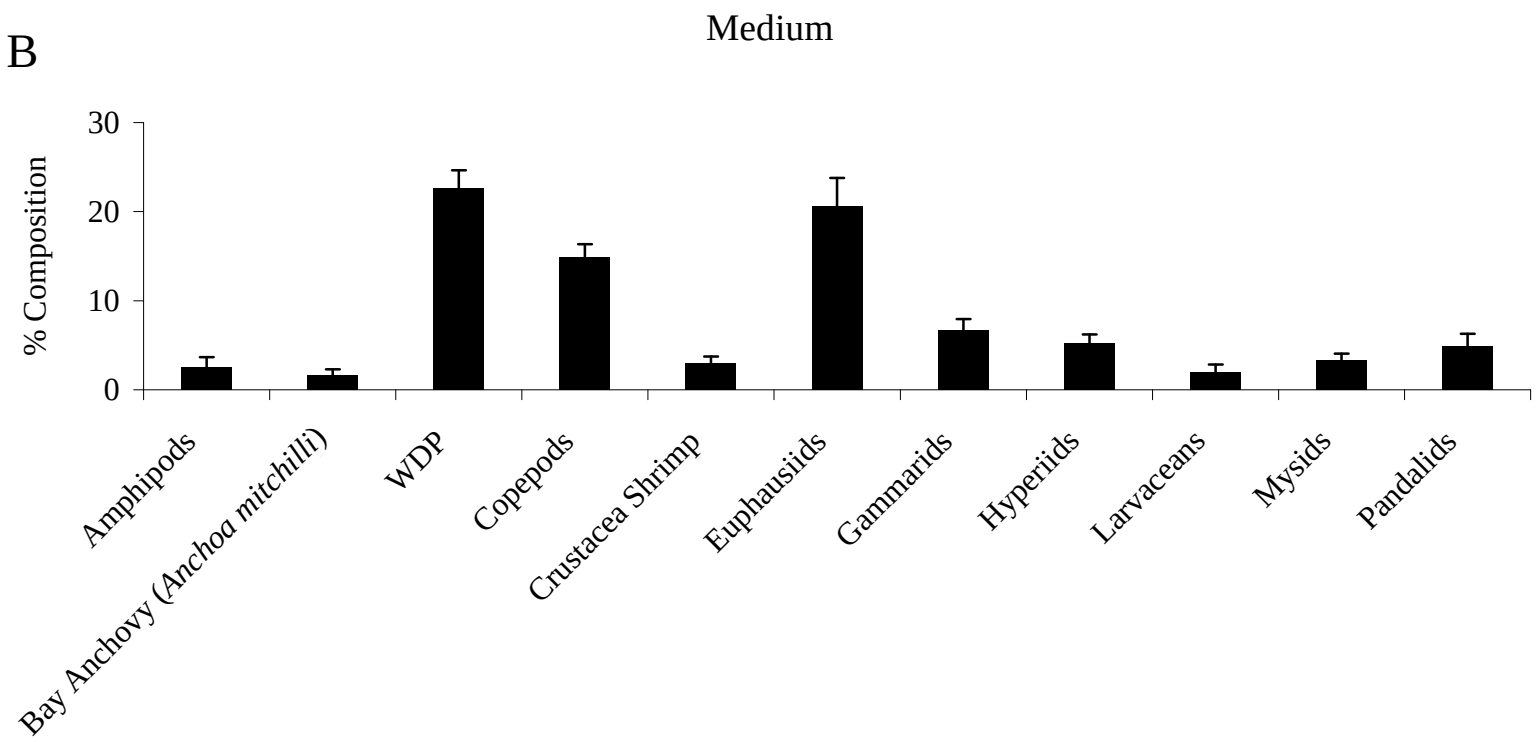

Figure 48B. Percent diet composition by weight of major prey taxa for Atlantic herring (*Clupea harengus*) in the medium size class (n = 13,142). WDP = well-digested prey.

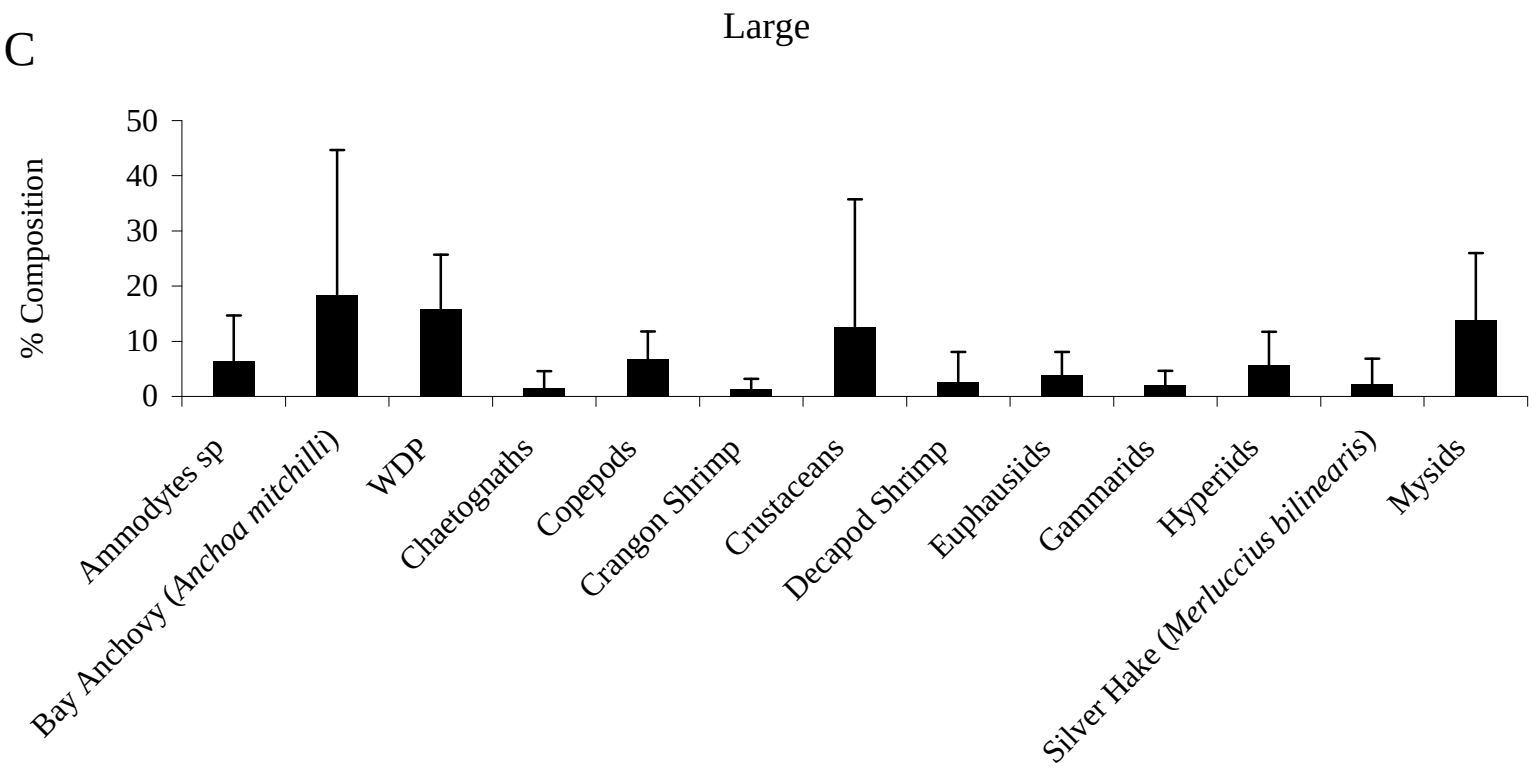

Figure 48C. Percent diet composition by weight of major prey taxa for Atlantic herring (*Clupea harengus*) in the large size class (n = 255). WDP = well-digested prey.

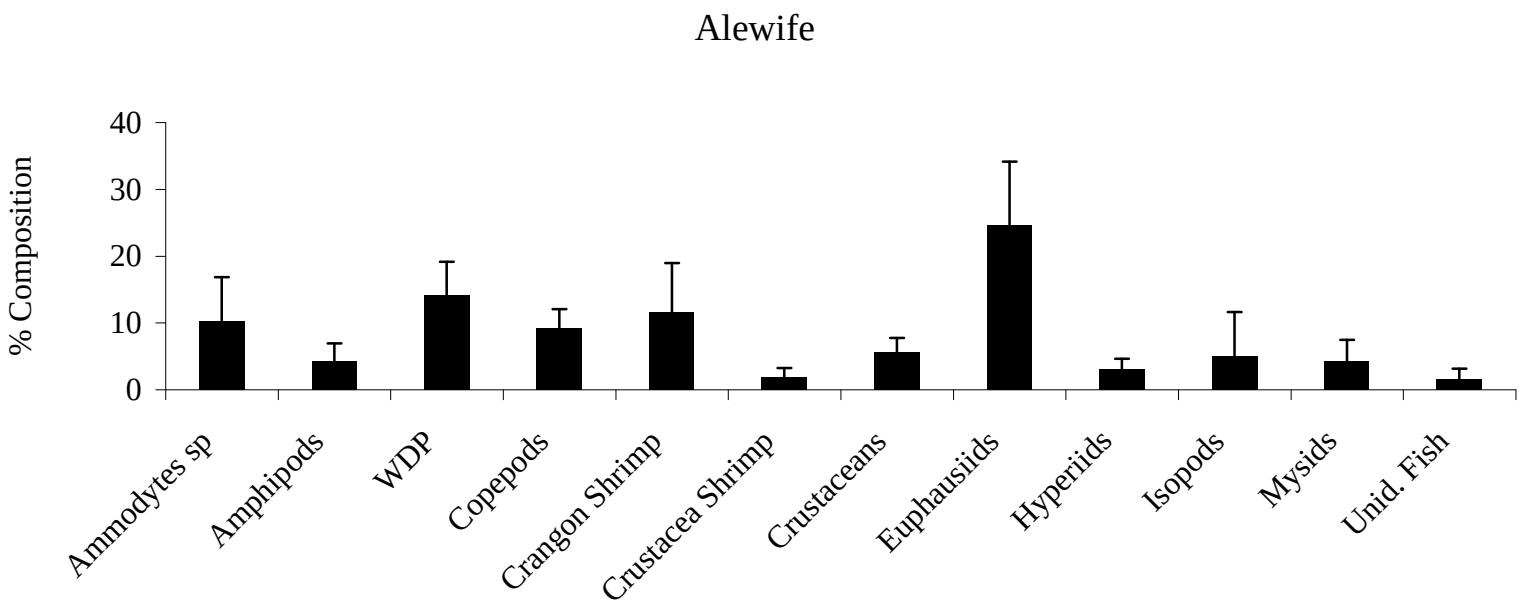

Figure 49. Percent diet composition by weight of major prey taxa for alewife (*Alosa pseudoharengus*; n = 404). WDP = well-digested prey; Unid. Fish = unidentified fish.

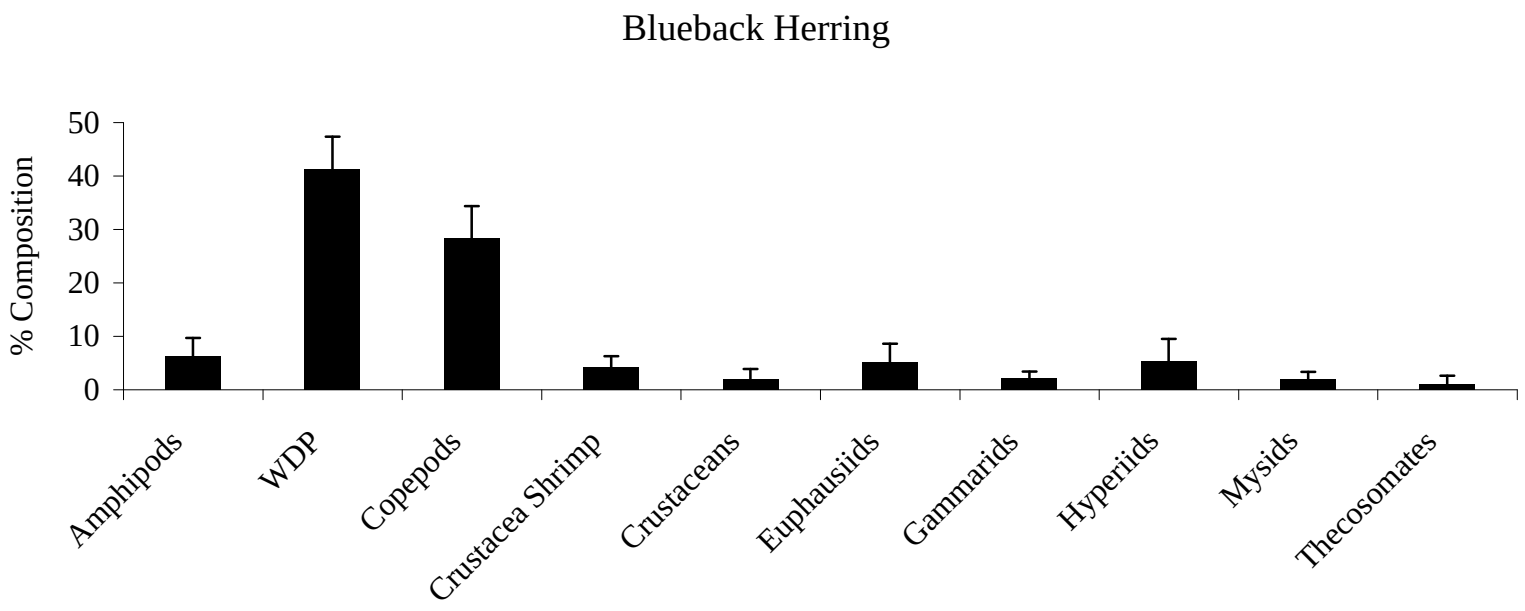

Figure 50. Percent diet composition by weight of major prey taxa for blueback herring (*Alosa aestivalis*; n = 1,347). WDP = well-digested prey.

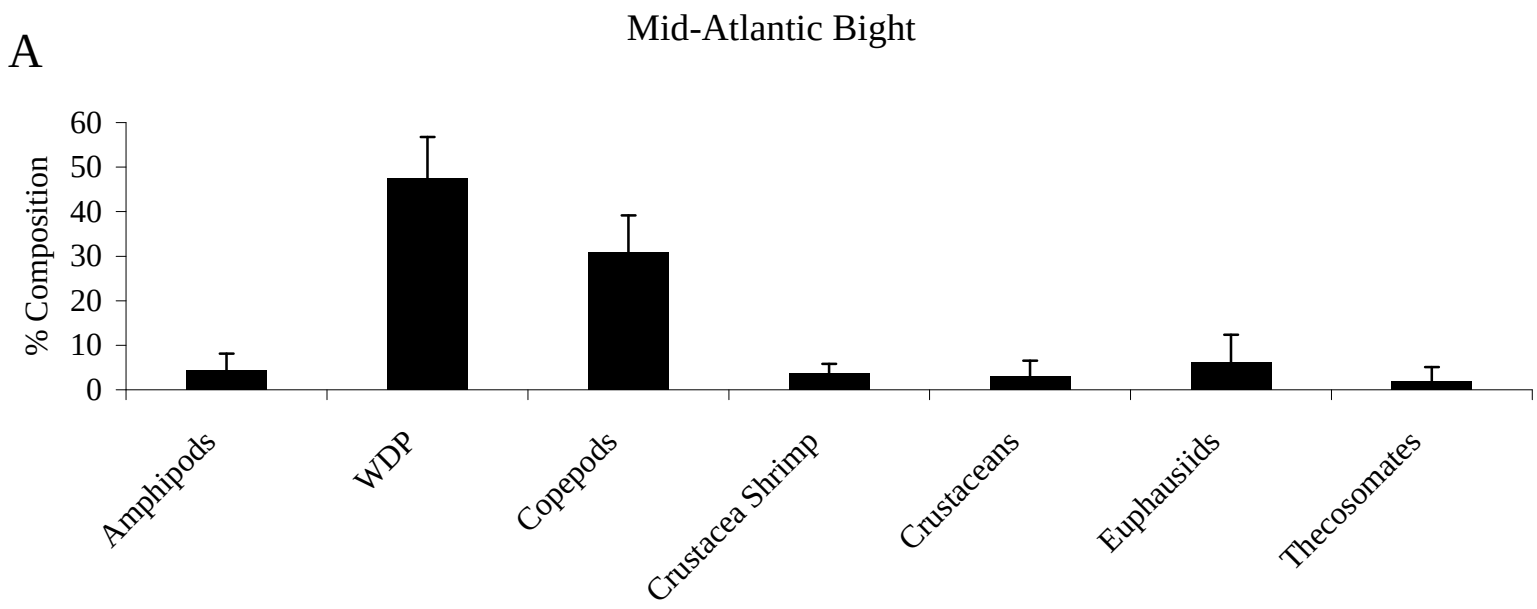

Figure 51A. Percent diet composition by weight of major prey taxa for blueback herring (*Alosa aestivalis*) collected in the Mid-Atlantic Bight (n = 552). WDP = well-digested prey.

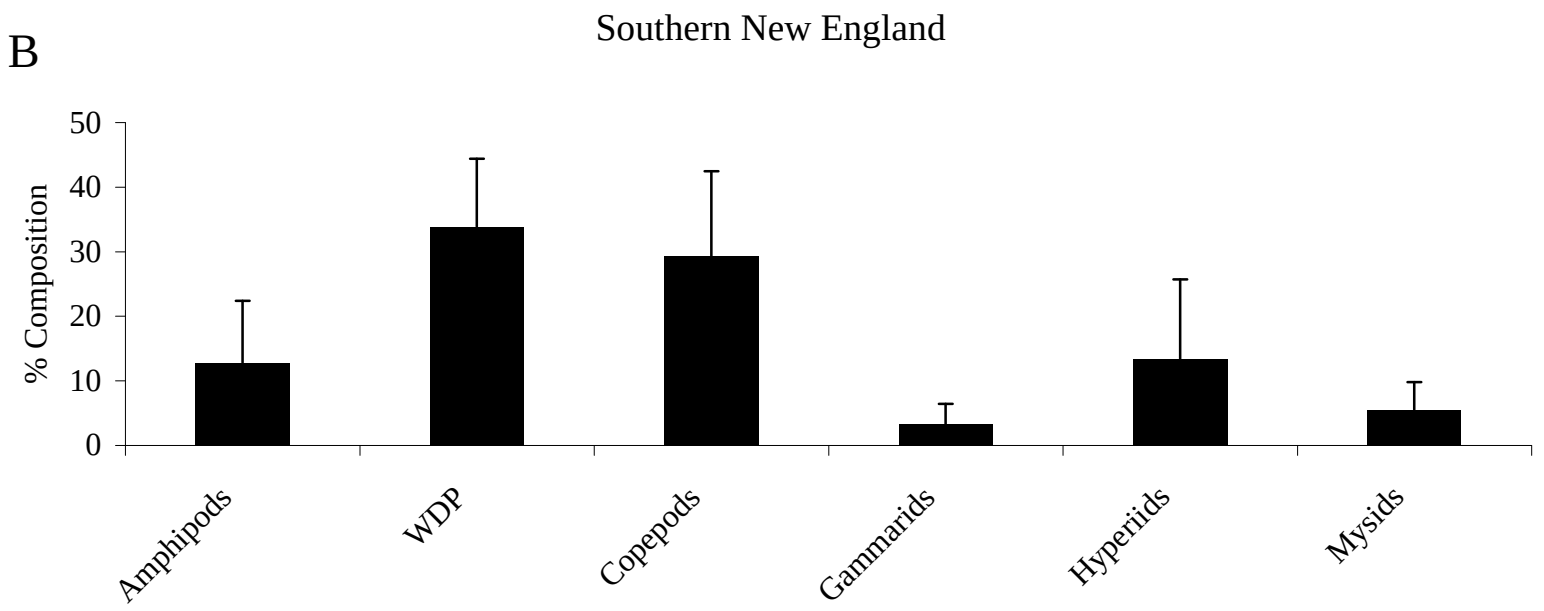

Figure 51B. Percent diet composition by weight of major prey taxa for blueback herring (*Alosa aestivalis*) collected in Southern New England (n = 362). WDP = well-digested prey.

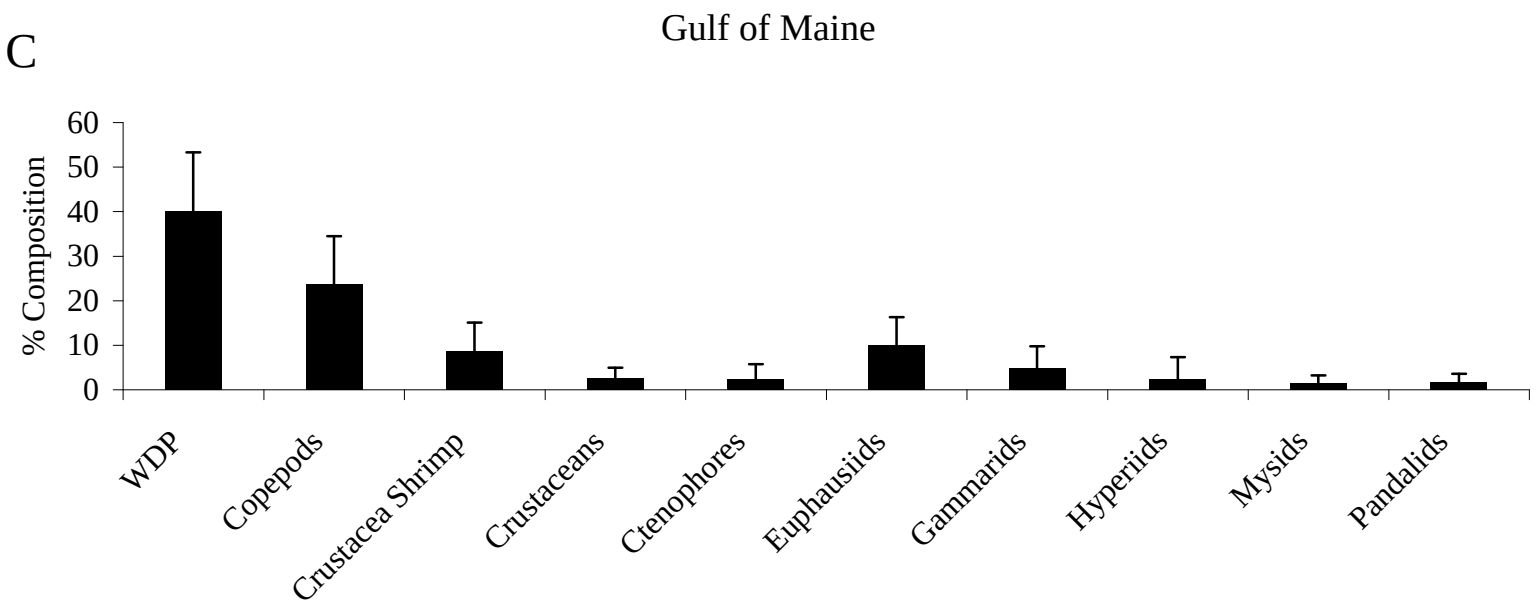

Figure 51C. Percent diet composition by weight of major prey taxa for blueback herring (*Alosa aestivalis*) collected in the Gulf of Maine (n = 372). WDP = well-digested prey.

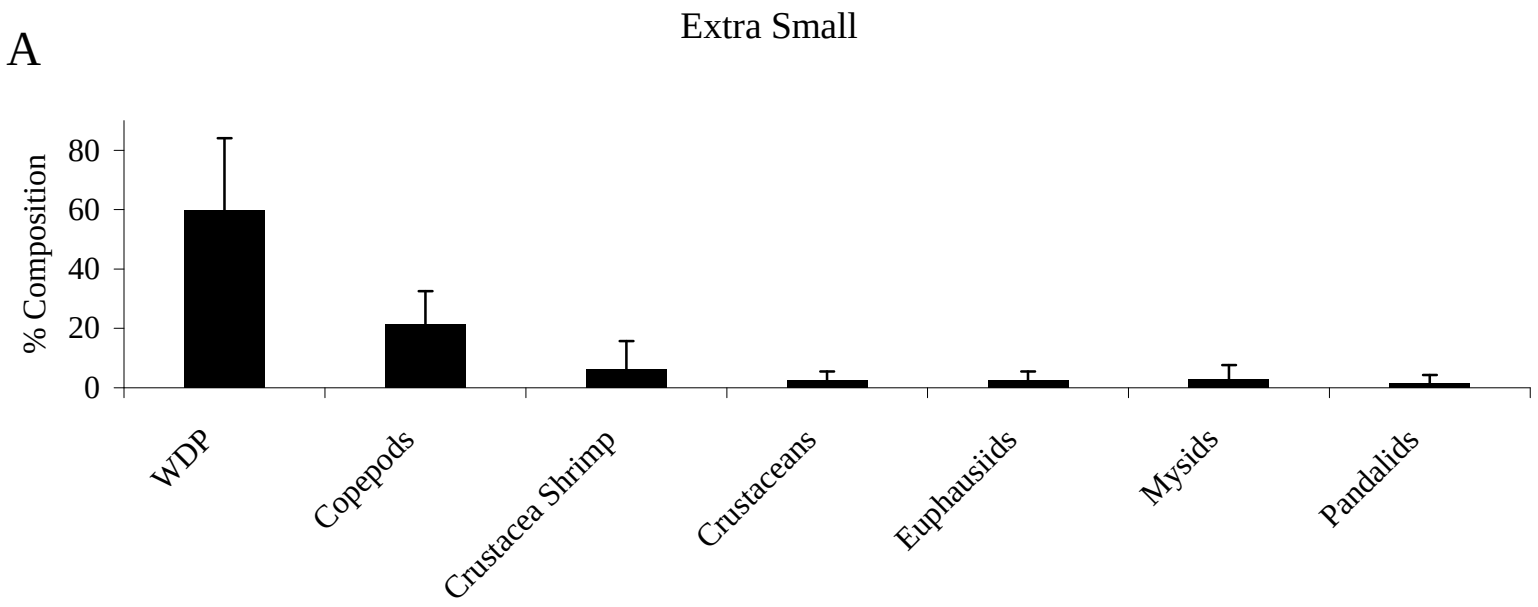

Figure 52A. Percent diet composition by weight of major prey taxa for blueback herring (*Alosa aestivalis*) in the extra-small size class (n = 206). WDP = well-digested prey.

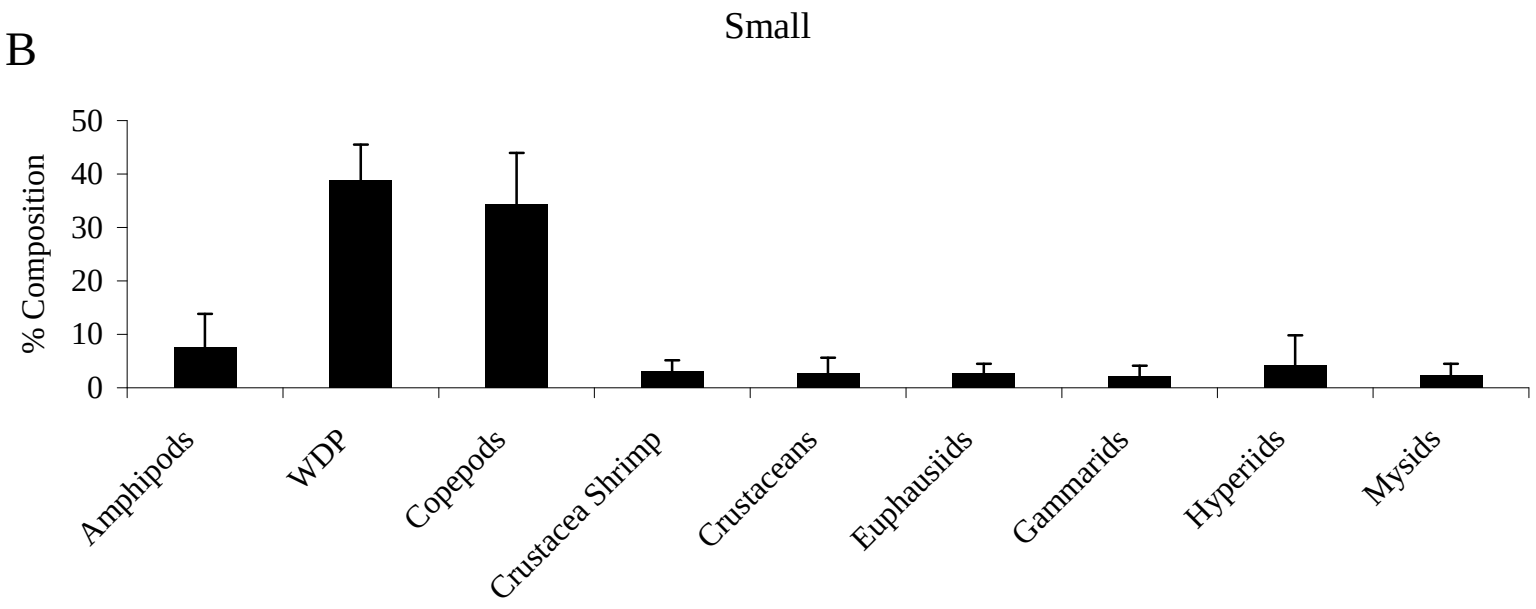

Figure 52B. Percent diet composition by weight of major prey taxa for blueback herring (*Alosa aestivalis*) in the small size class (n = 740). WDP = well-digested prey.

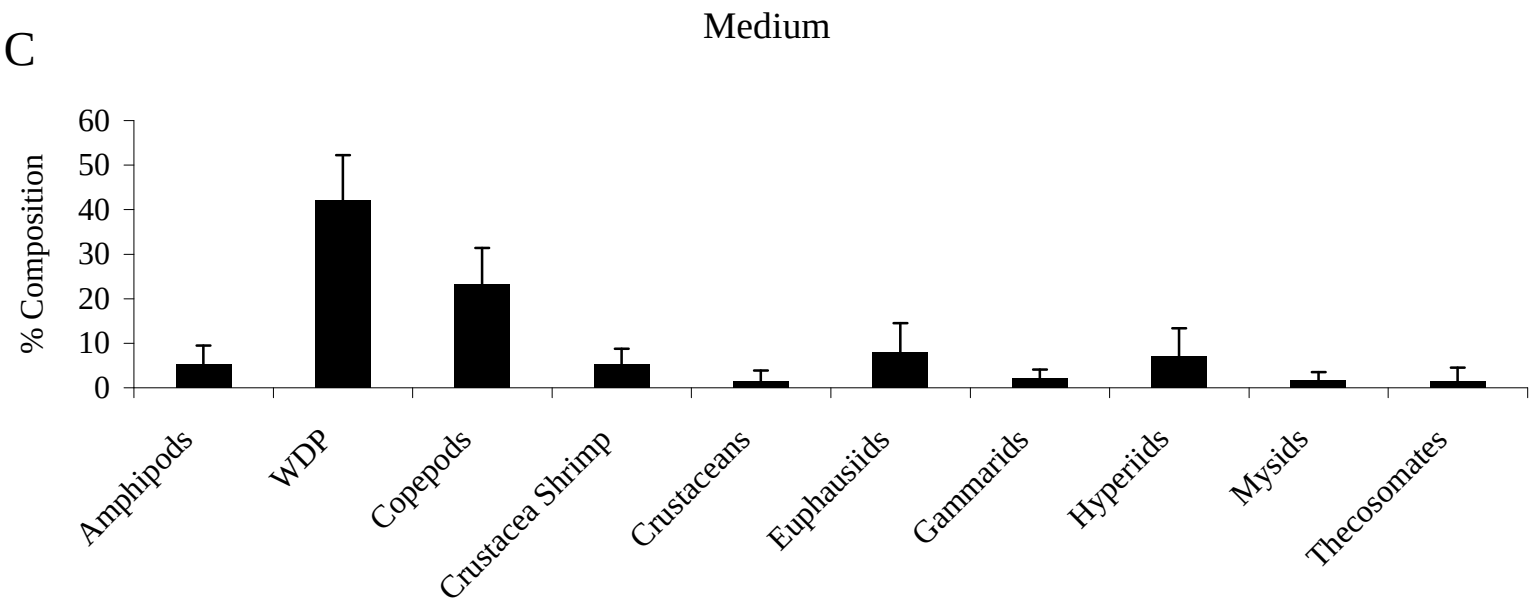

Figure 52C. Percent diet composition by weight of major prey taxa for blueback herring (*Alosa aestivalis*) in the medium size class (n = 401). WDP = well-digested prey.

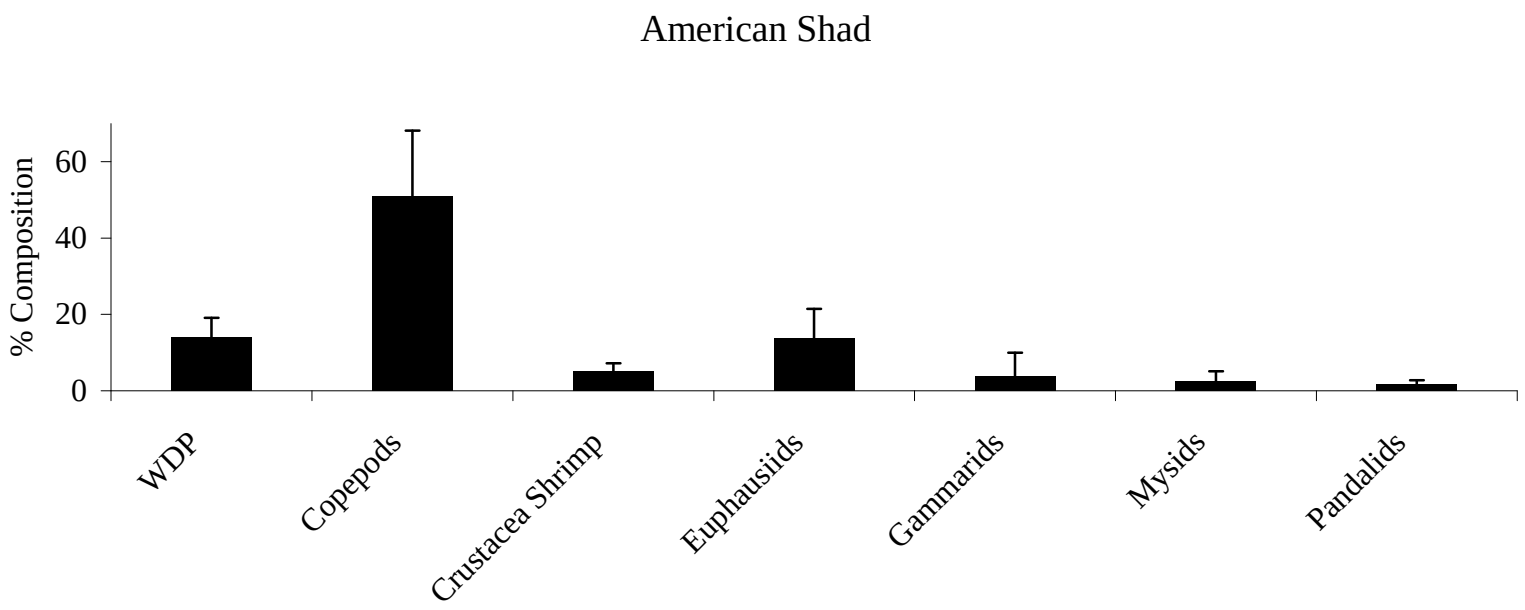

Figure 53. Percent diet composition by weight of major prey taxa for American shad (*Alosa sapidissima*; n = 874). WDP = well-digested prey.

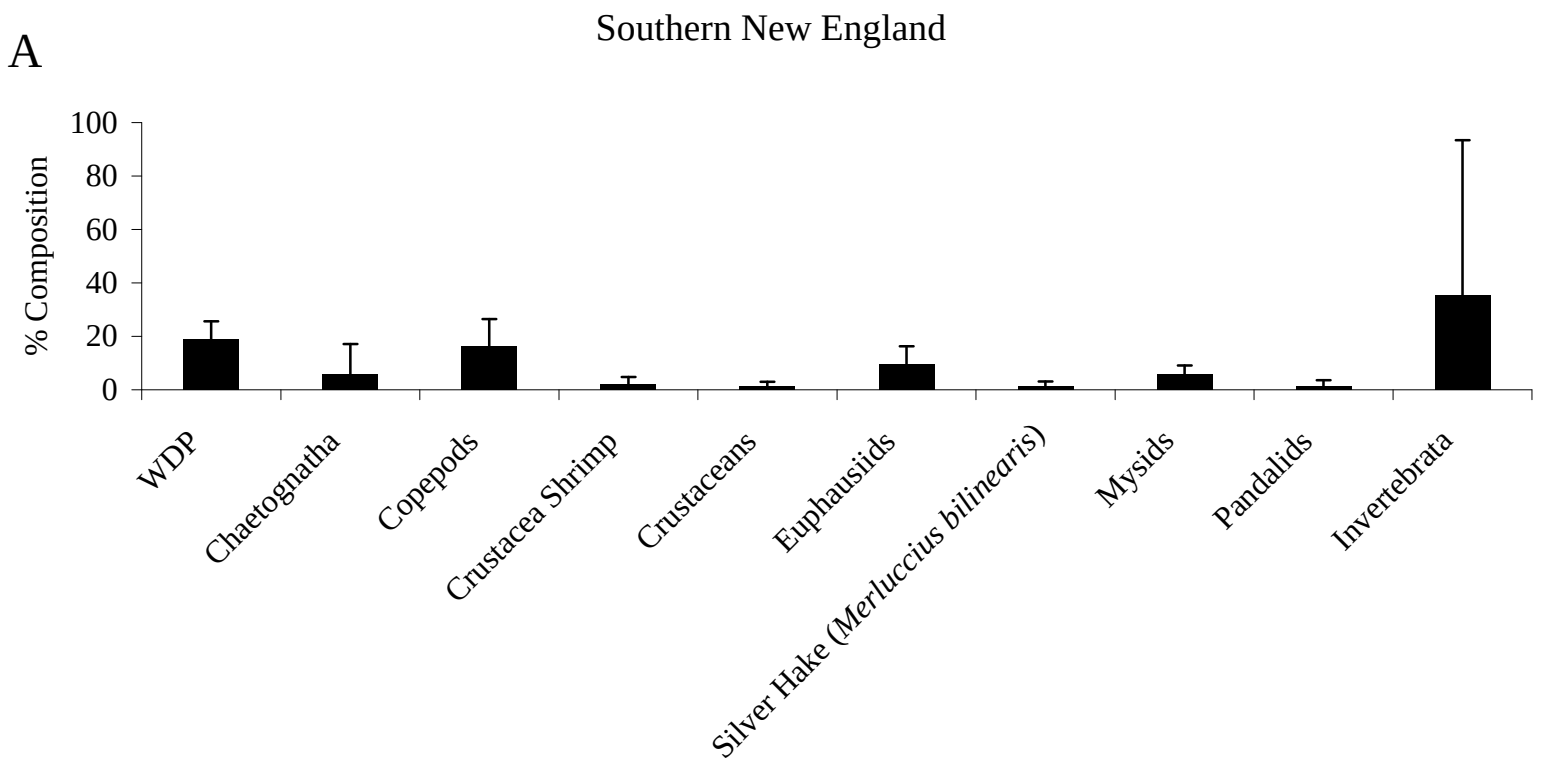

Figure 54A. Percent diet composition by weight of major prey taxa for American shad (*Alosa sapidissima*) collected in Southern New England (n = 288). WDP = well-digested prey.

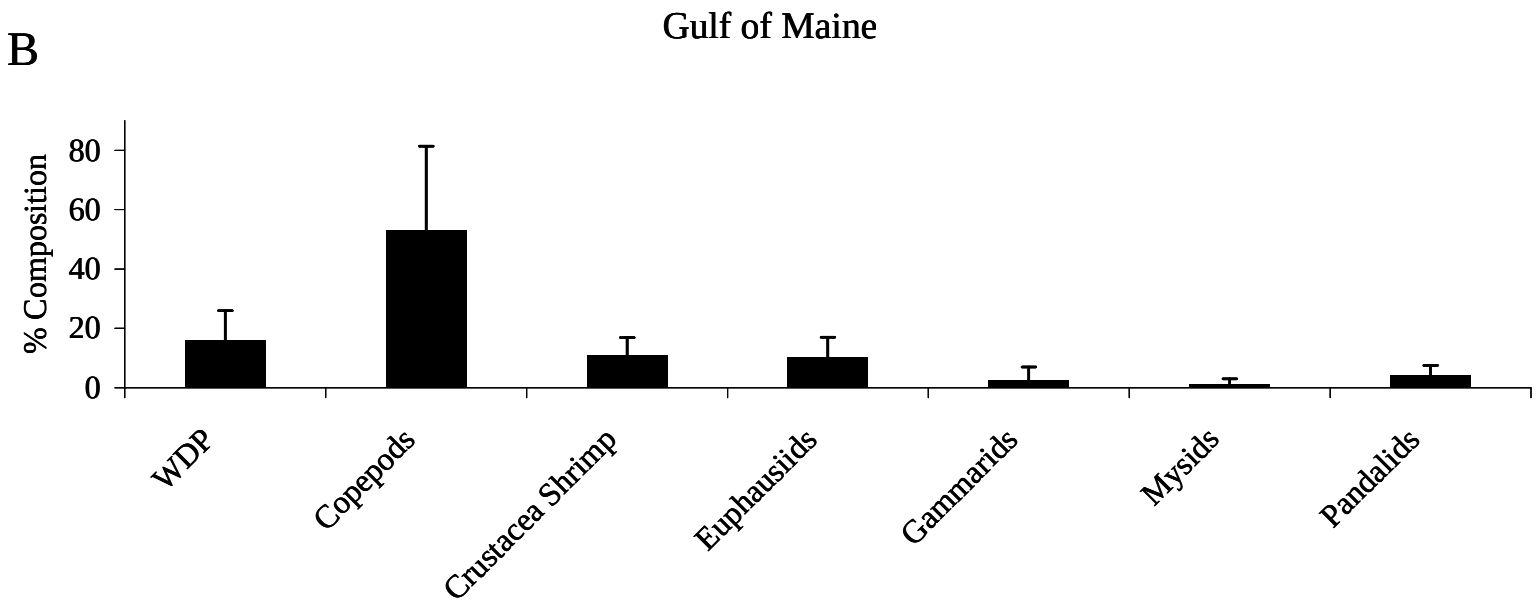

Figure 54B. Percent diet composition by weight of major prey taxa for American shad (*Alosa sapidissima*) collected in the Gulf of Maine (n = 304). WDP = well-digested prey.

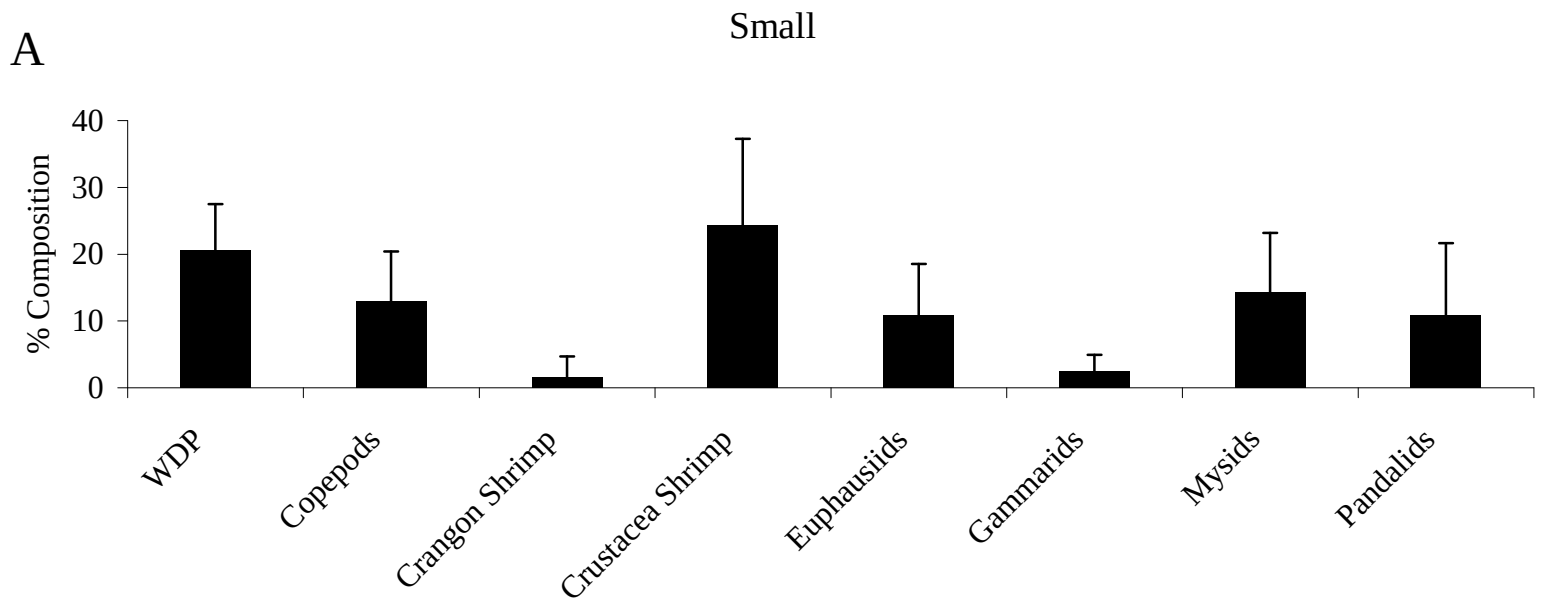

Figure 55A. Percent diet composition by weight of major prey taxa for American shad (*Alosa sapidissima*) in the small size class (n = 238). WDP = well-digested prey.

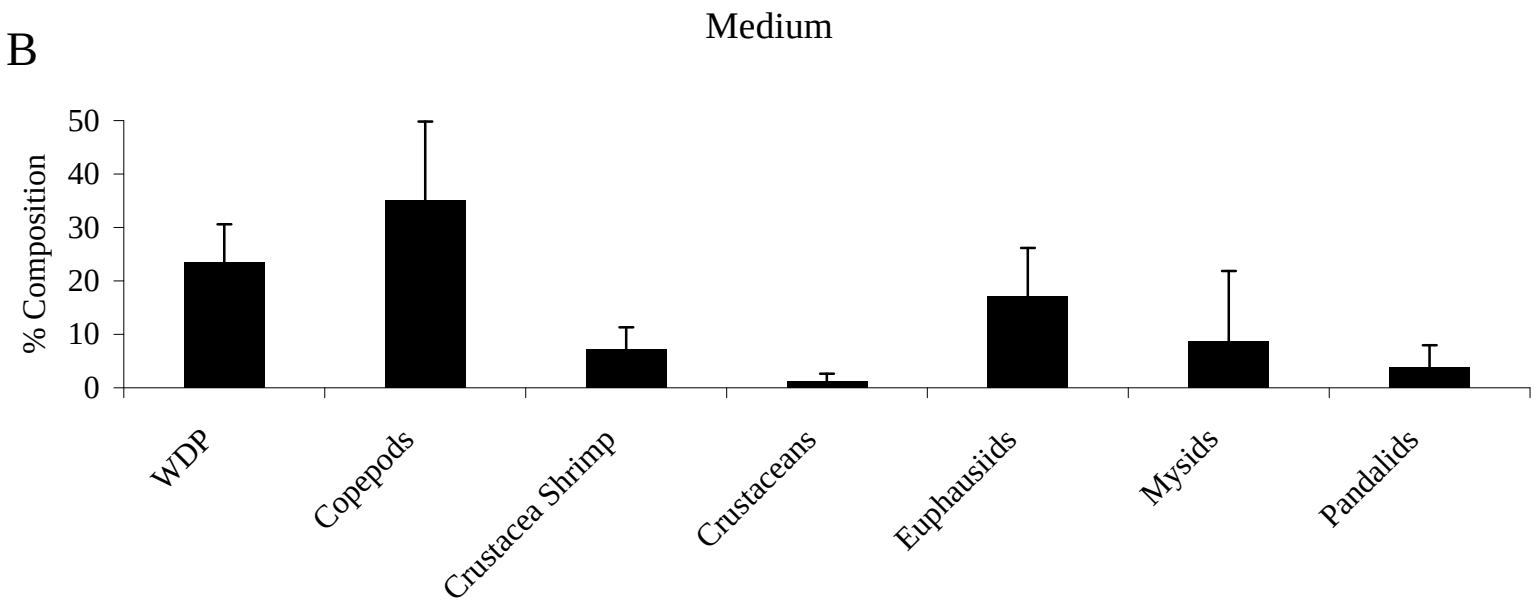

Figure 55B. Percent diet composition by weight of major prey taxa for American shad (*Alosa sapidissima*) in the medium size class (n = 404). WDP = well-digested prey.

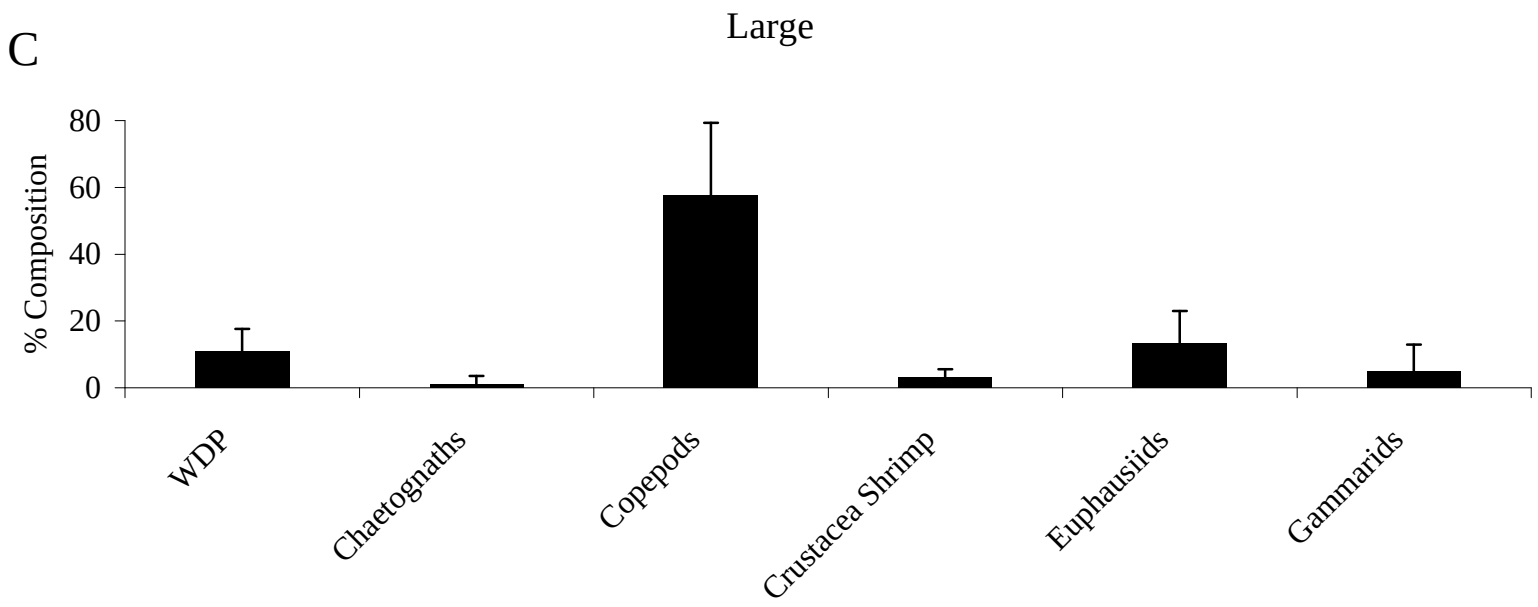

Figure 55C. Percent diet composition by weight of major prey taxa for American shad (*Alosa sapidissima*) in the large size class (n = 213). WDP = well-digested prey.

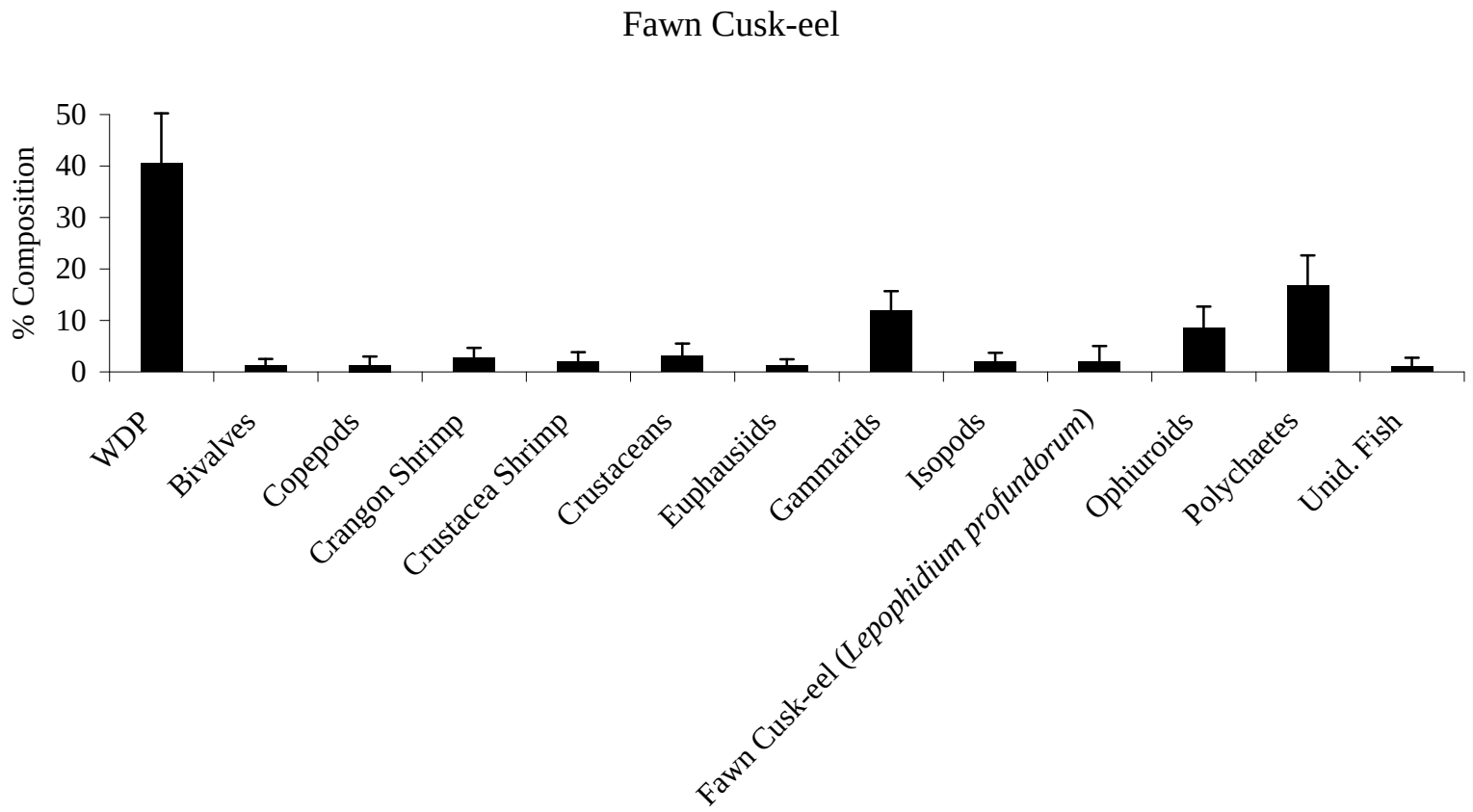

Figure 56. Percent diet composition by weight of major prey taxa for fawn cusk-eel (*Lepophidium profundorum*; n = 1,023). WDP = well-digested prey; Unid. Fish = unidentified fish.

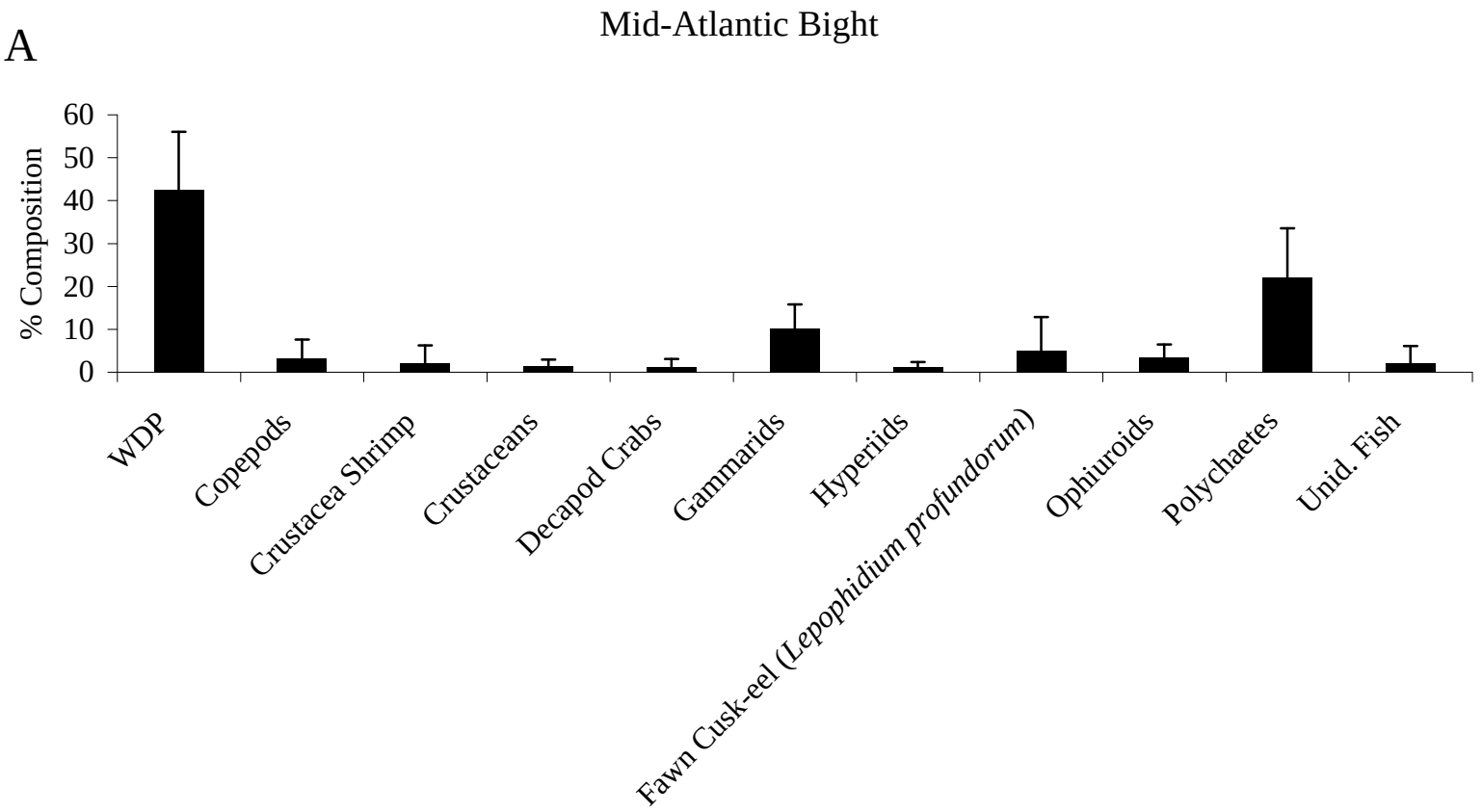

Figure 57A. Percent diet composition by weight of major prey taxa for fawn cusk-eel (*Lepophidium profundorum*) collected in the Mid-Atlantic Bight (n = 422). WDP = well-digested prey; Unid. Fish = unidentified fish.

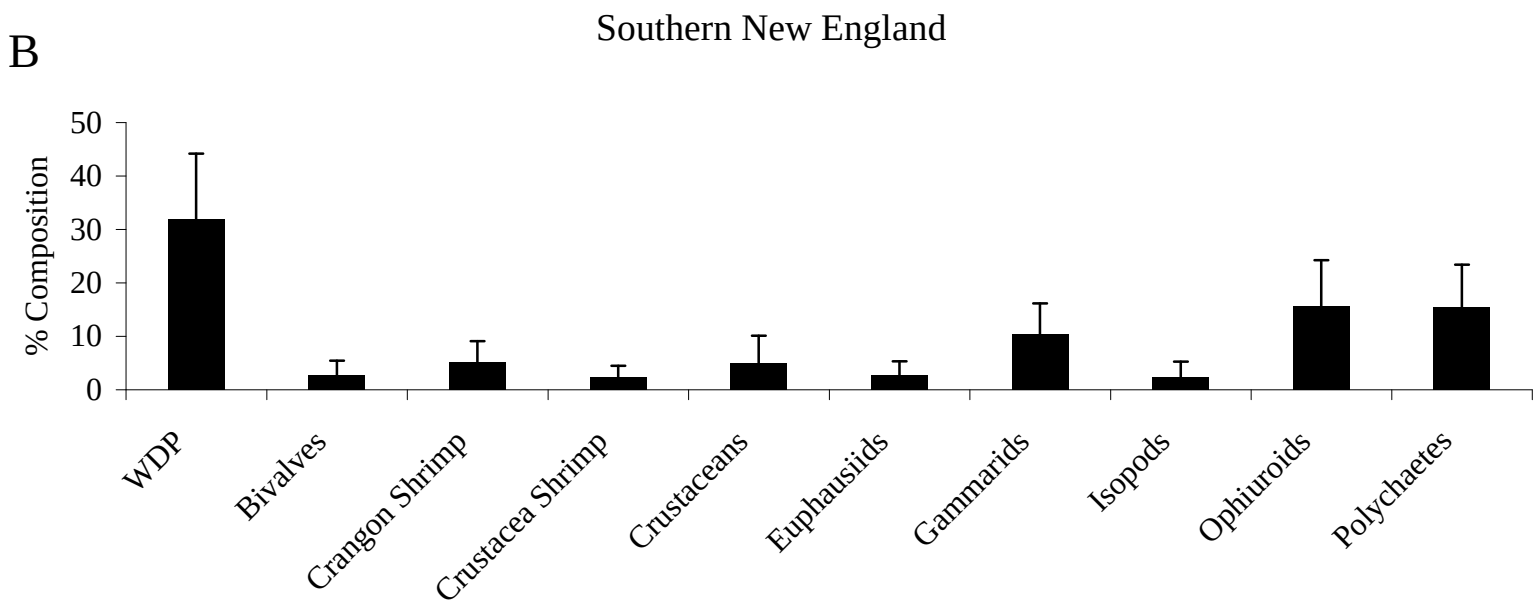

Figure 57B. Percent diet composition by weight of major prey taxa for fawn cusk-eel (*Lepophidium profundorum*) collected in Southern New England (n = 457). WDP = well-digested prey.

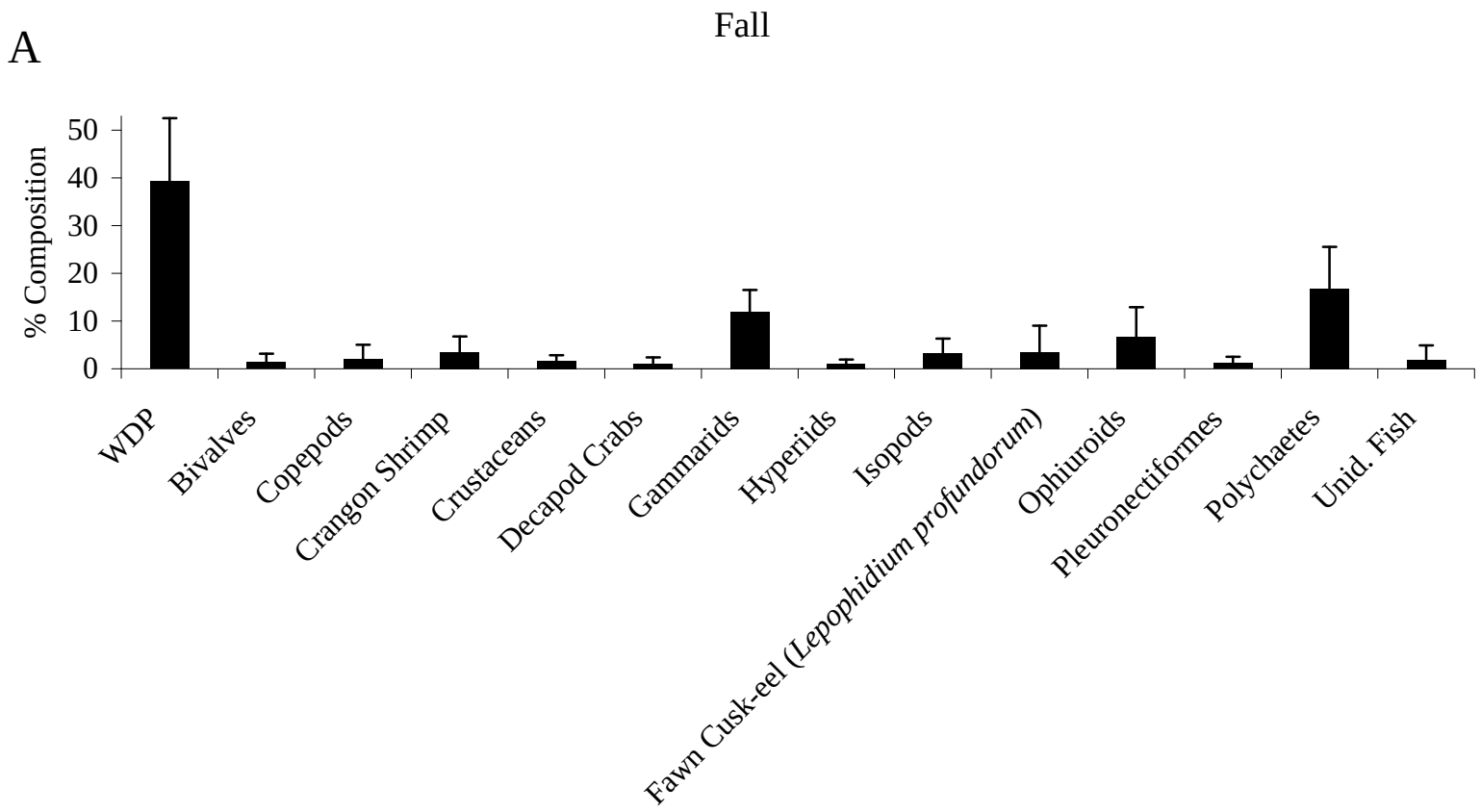

Figure 58A. Percent diet composition by weight of major prey taxa for fawn cusk-eel (*Lepophidium profundorum*) collected in the fall (n = 467). WDP = well-digested prey; Unid. Fish = unidentified fish.

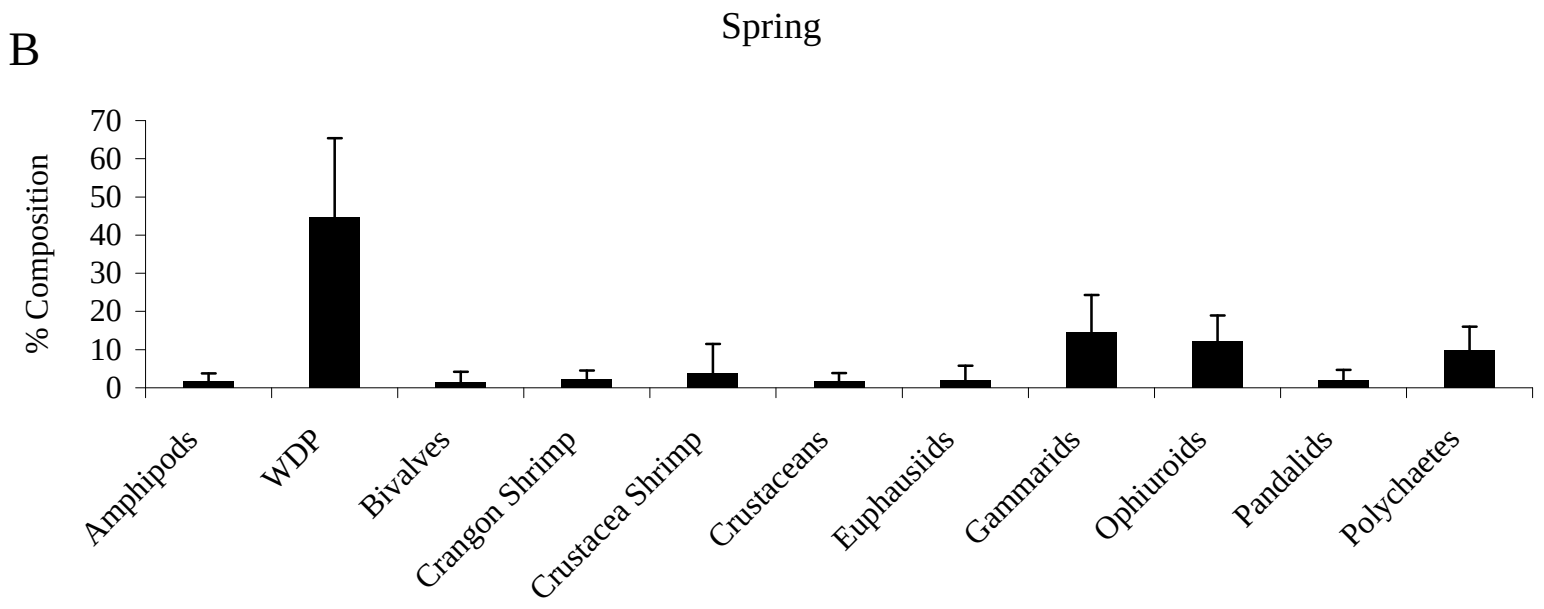

Figure 58B. Percent diet composition by weight of major prey taxa for fawn cusk-eel (*Lepophidium profundorum*) collected in the spring (n = 272). WDP = well-digested prey.

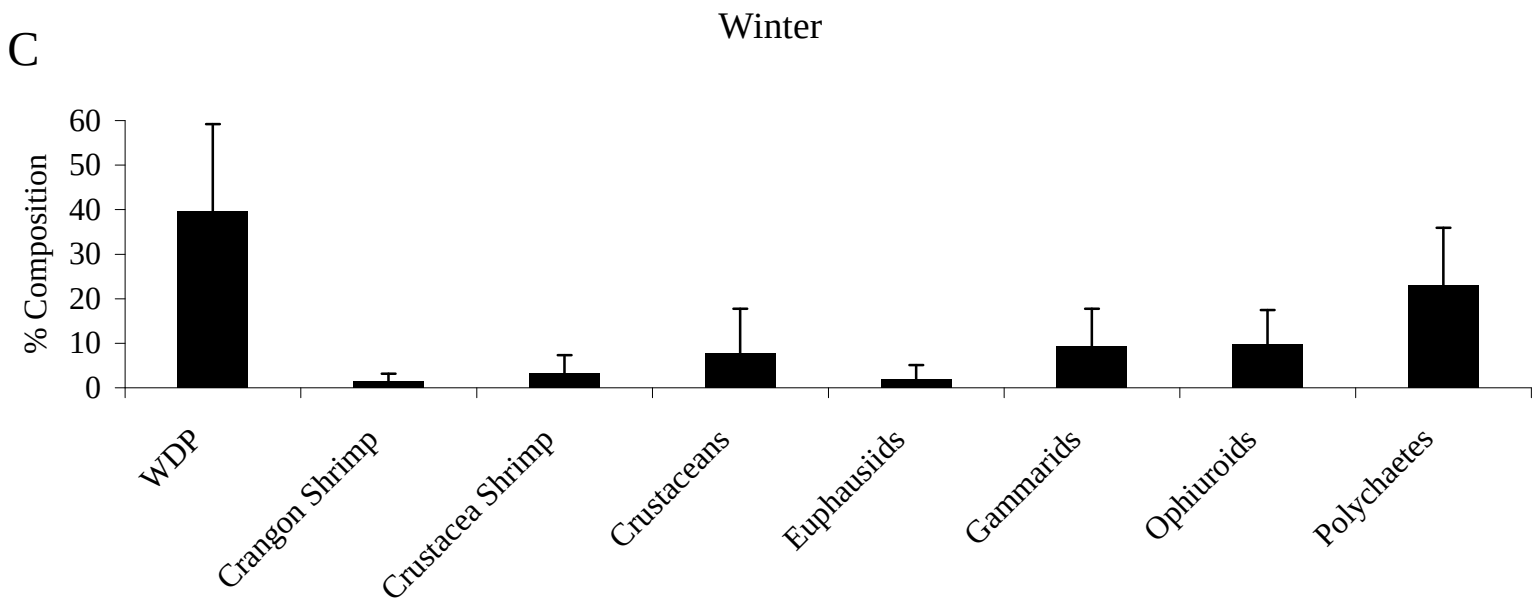

Figure 58C. Percent diet composition by weight of major prey taxa for fawn cusk-eel (*Lepophidium profundorum*) collected in the winter (n = 284). WDP = well-digested prey.

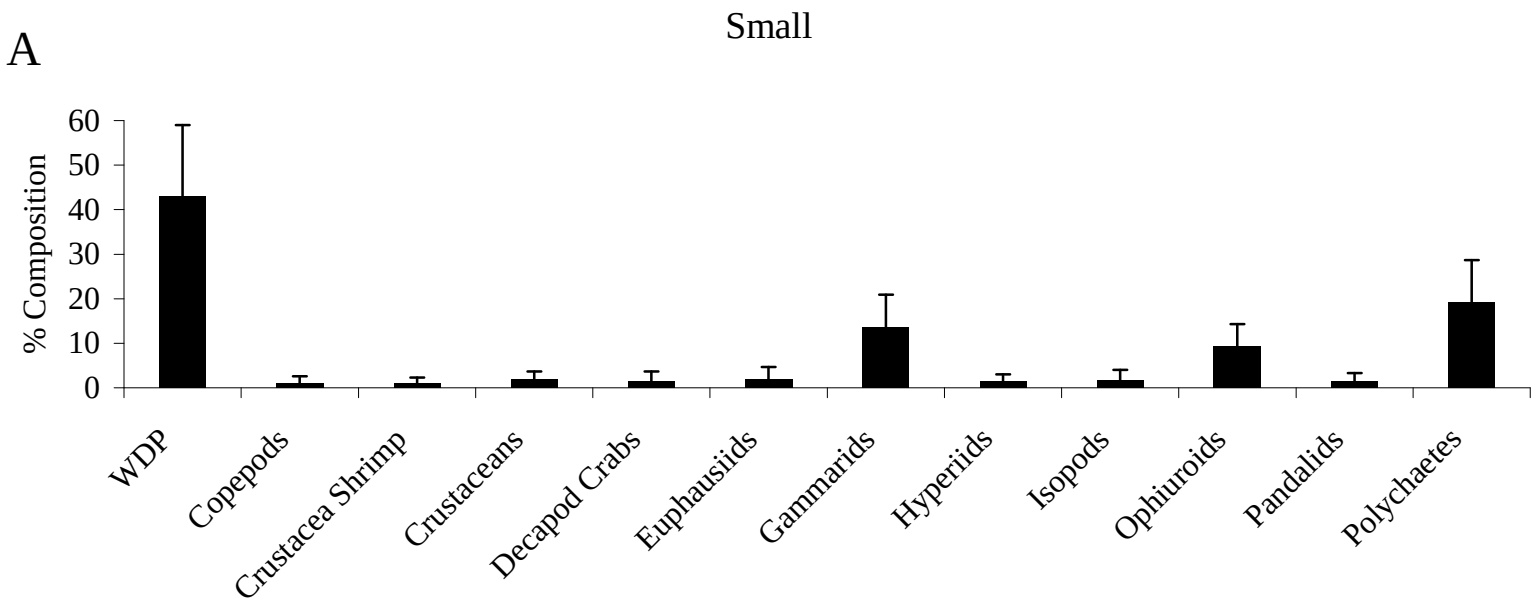

Figure 59A. Percent diet composition by weight of major prey taxa for fawn cusk-eel (*Lepophidium profundorum*) in the small size class (n = 422). WDP = well-digested prey.

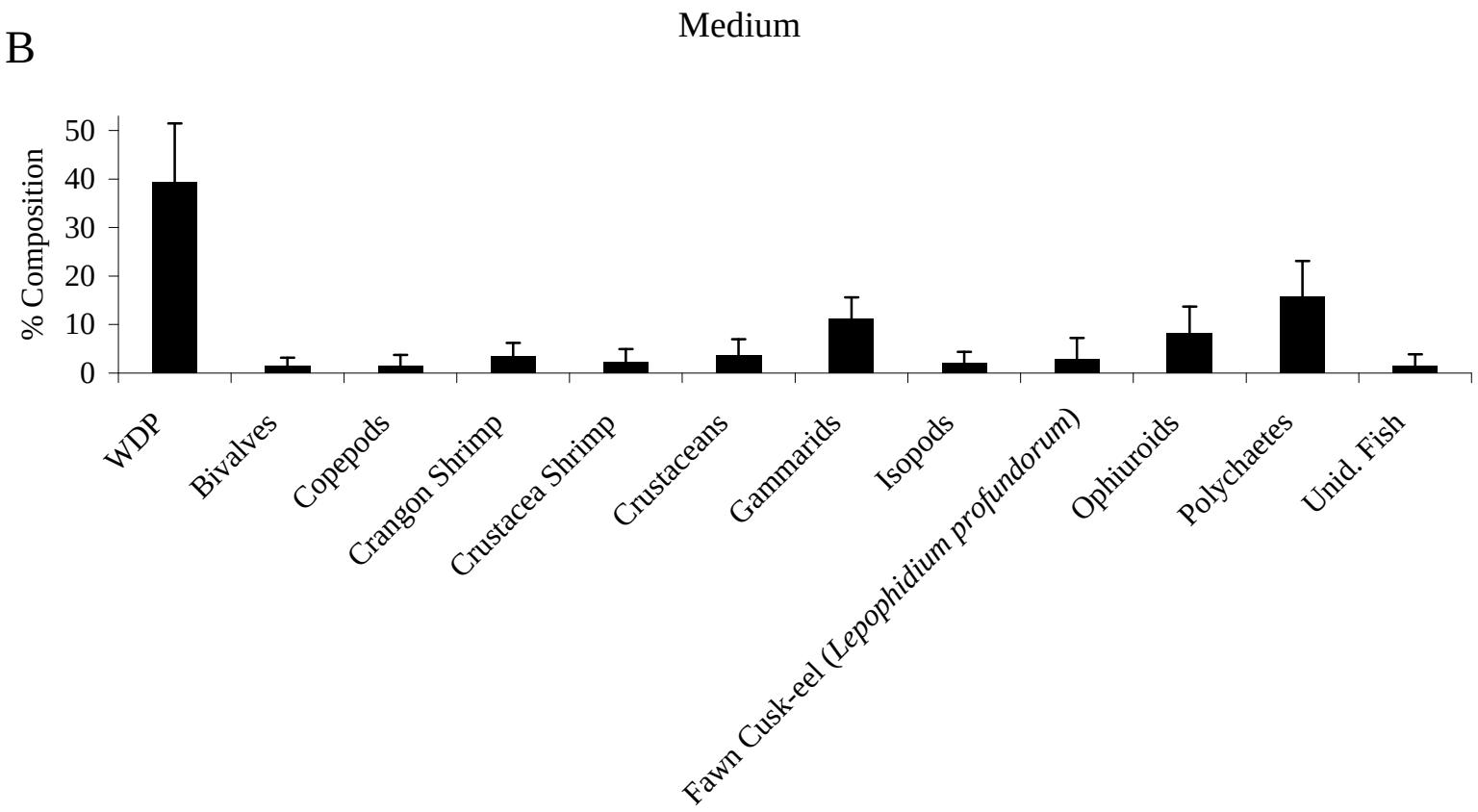

Figure 59B. Percent diet composition by weight of major prey taxa for fawn cusk-eel (*Lepophidium profundorum*) in the medium size class (n = 601). WDP = well-digested prey; Unid. Fish = unidentified fish.

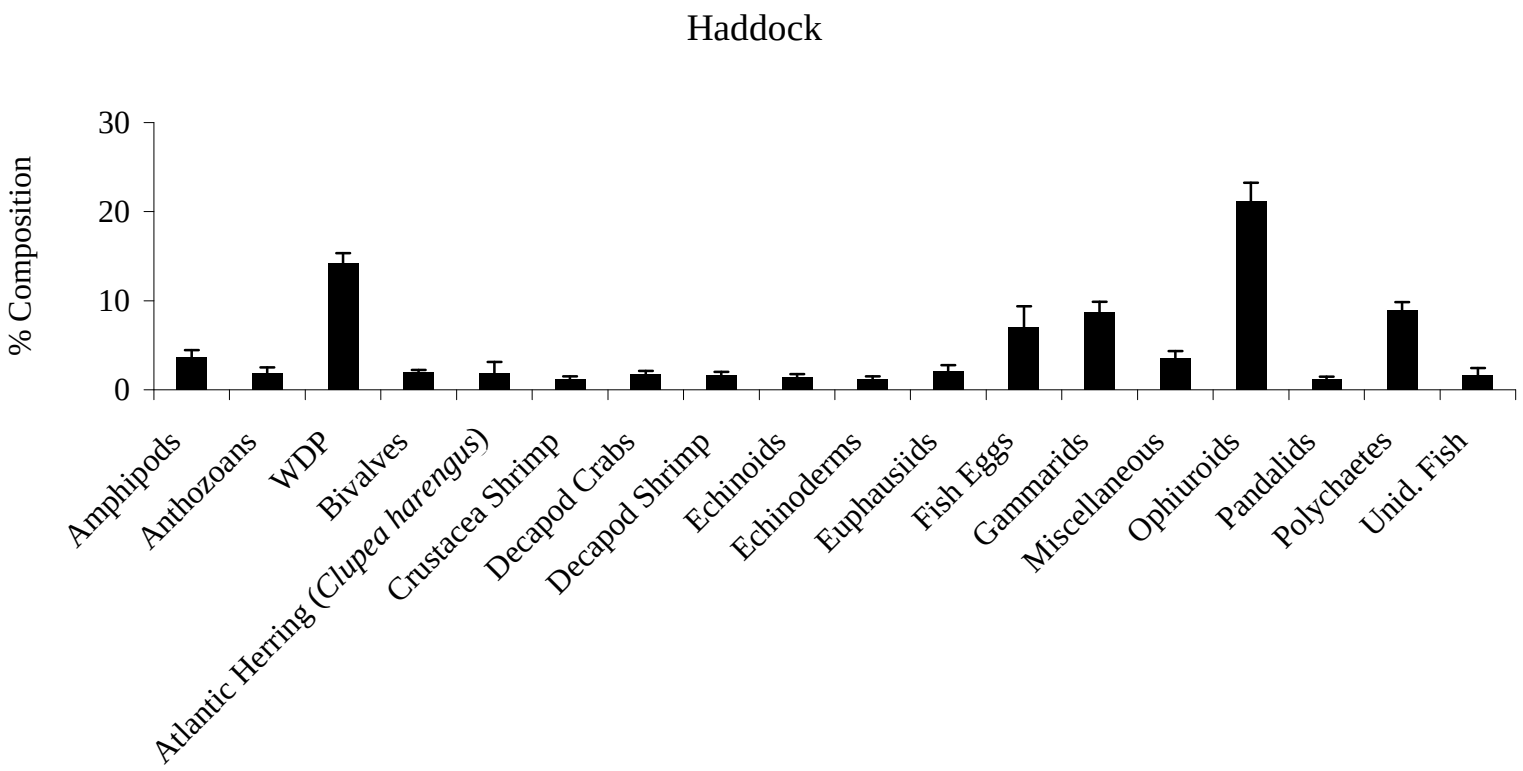

Figure 60. Percent diet composition by weight of major prey taxa for haddock (*Melanogrammus aeglefinus*; n = 9,488). WDP = well-digested prey; Unid. Fish = unidentified fish.

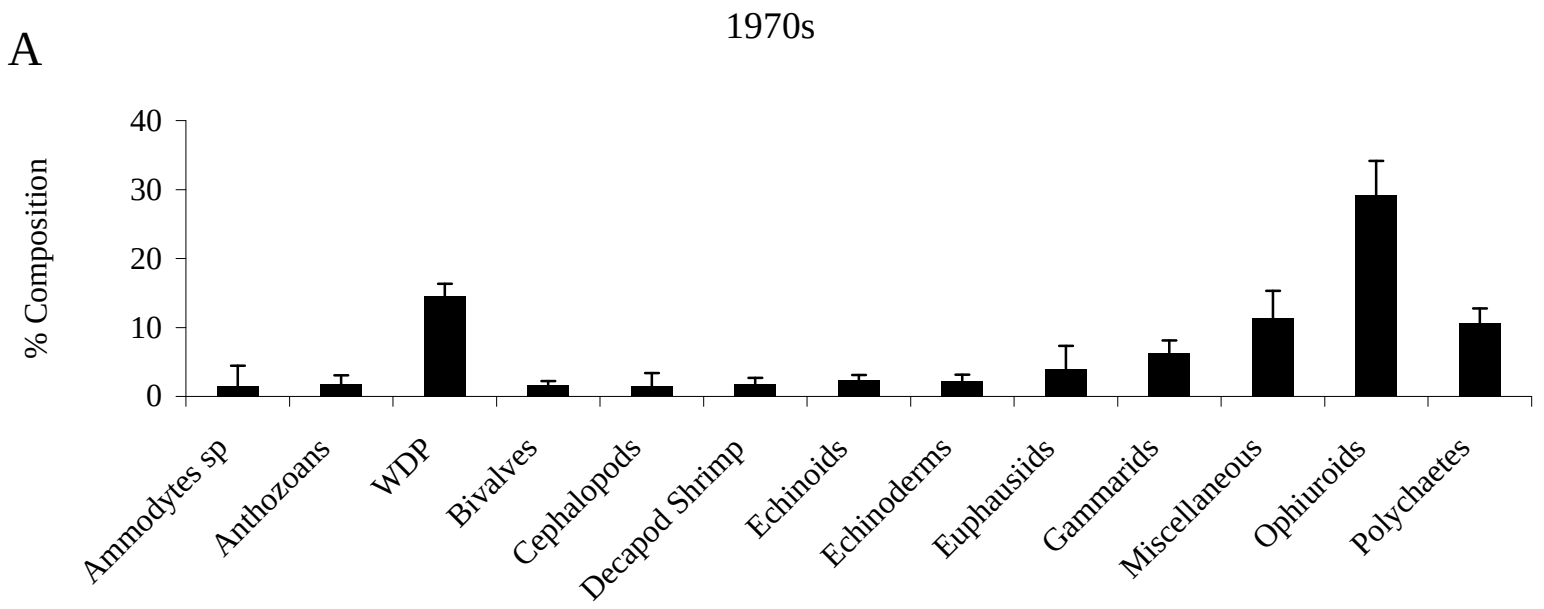

Figure 61A. Percent diet composition by weight of major prey taxa for haddock (*Melanogrammus aeglefinus*) collected in the 1970s (n = 1,972). WDP = well-digested prey.

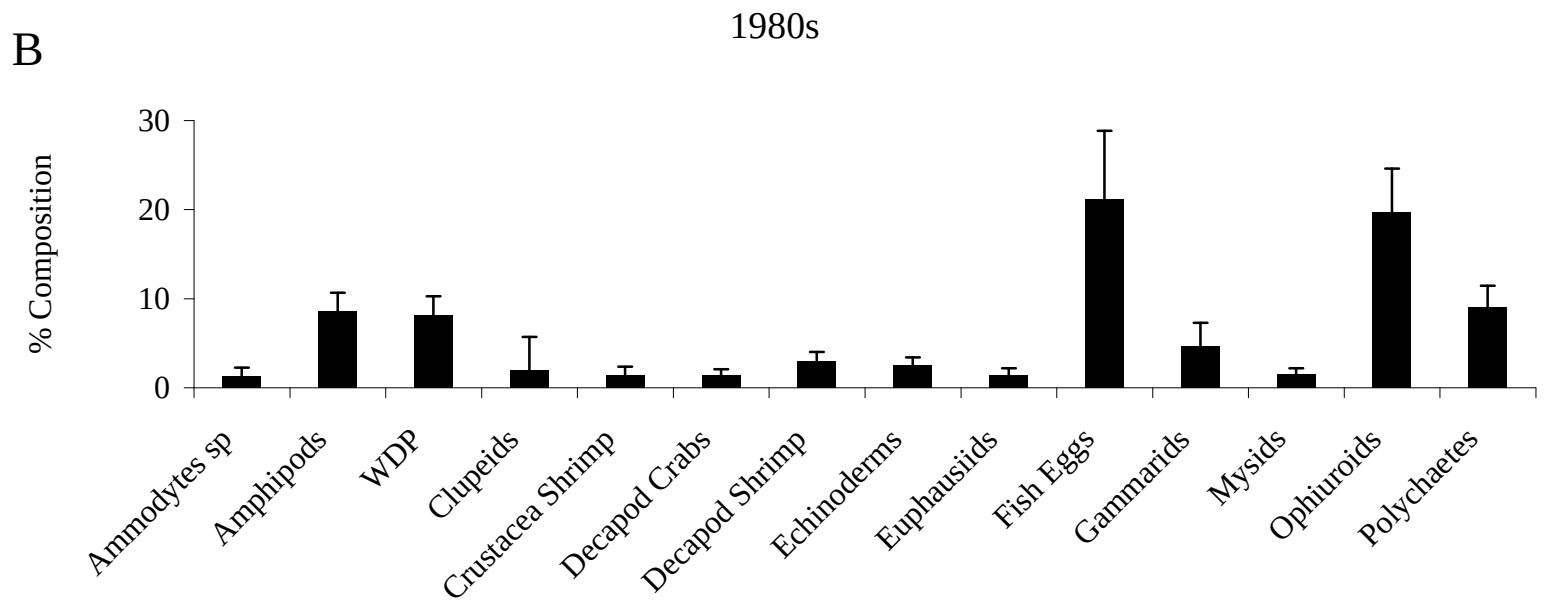

Figure 61B. Percent diet composition by weight of major prey taxa for haddock (*Melanogrammus aeglefinus*) collected collected in the 1980s (n = 1,461). WDP = well-digested prey.

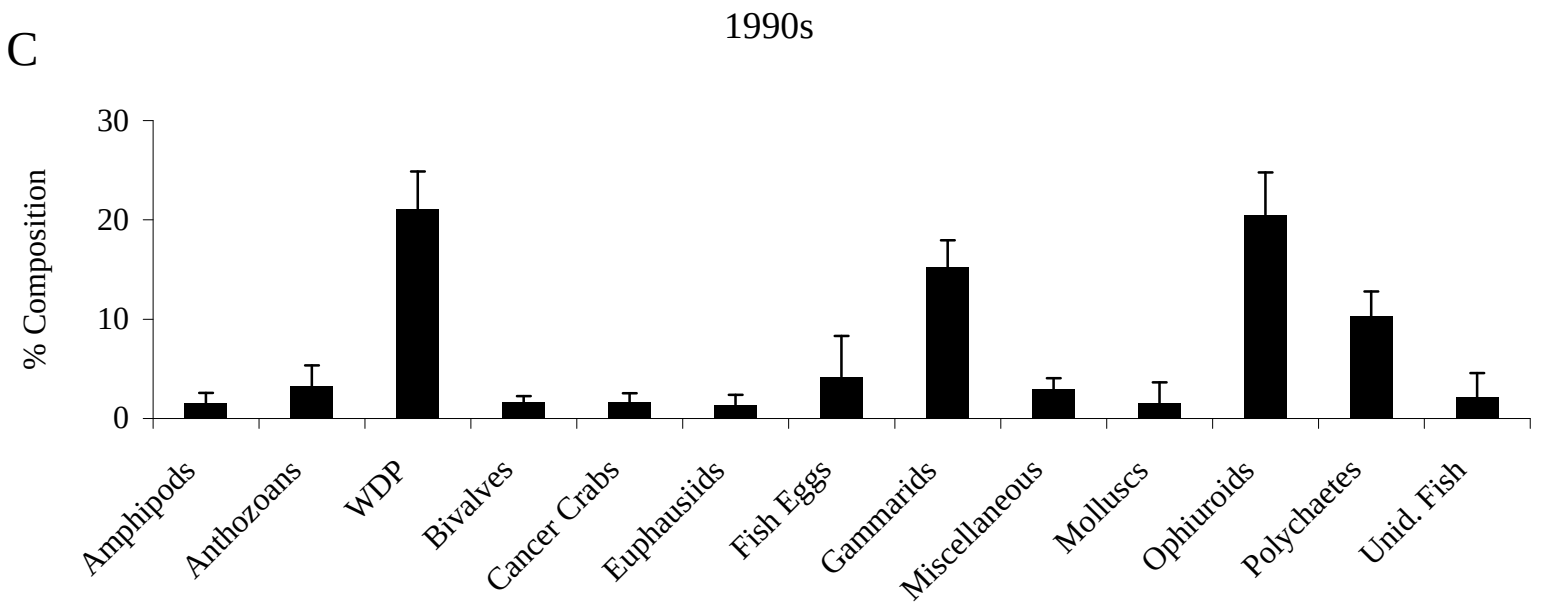

Figure 61C. Percent diet composition by weight of major prey taxa for haddock (*Melanogrammus aeglefinus*) collected in the 1990s (n = 1,279). WDP = well-digested prey; Unid. Fish = unidentified fish.

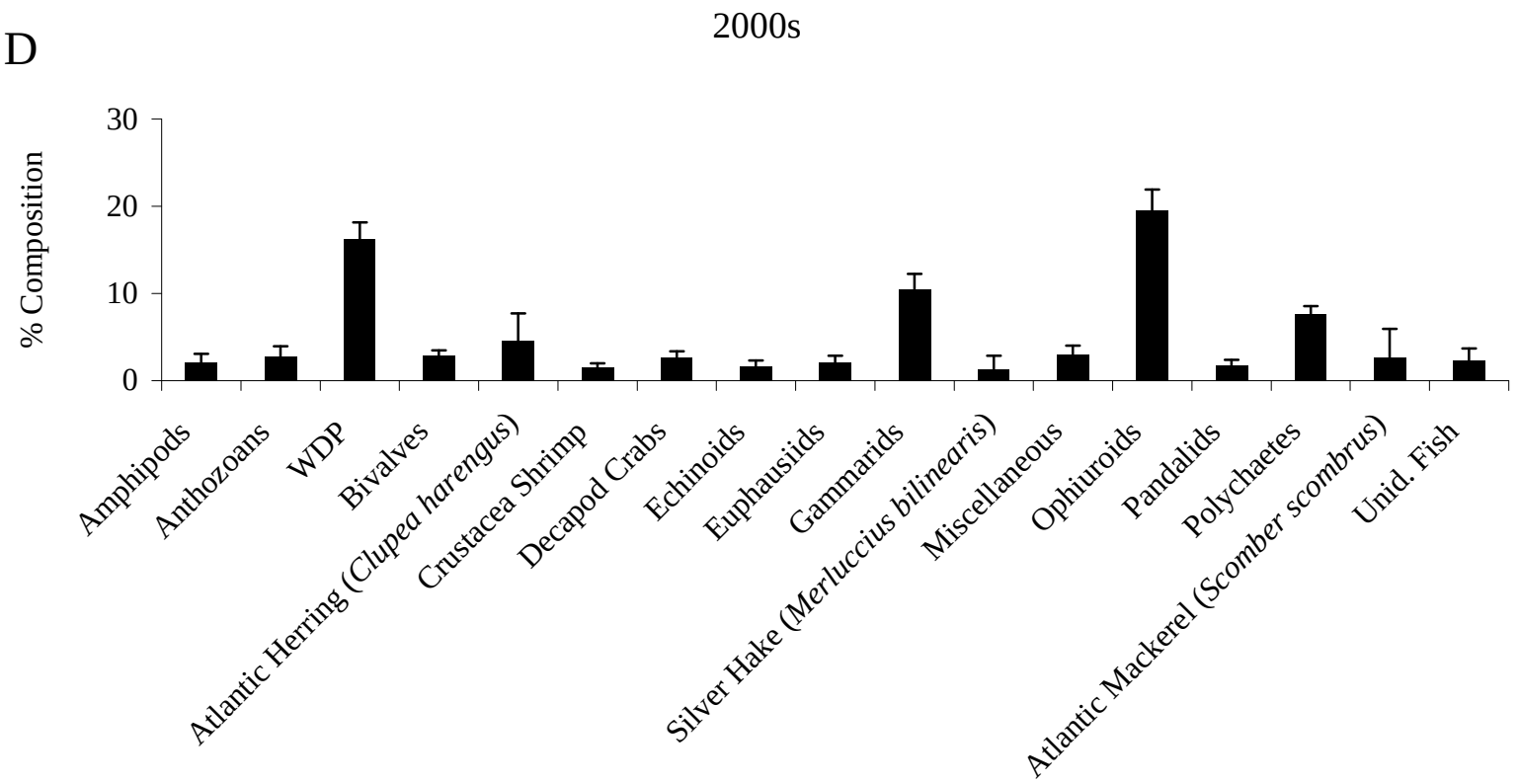

Figure 61D. Percent diet composition by weight of major prey taxa for haddock (*Melanogrammus aeglefinus*) collected in the 2000s (n = 4,776). WDP = well-digested prey; Unid. Fish = unidentified fish.

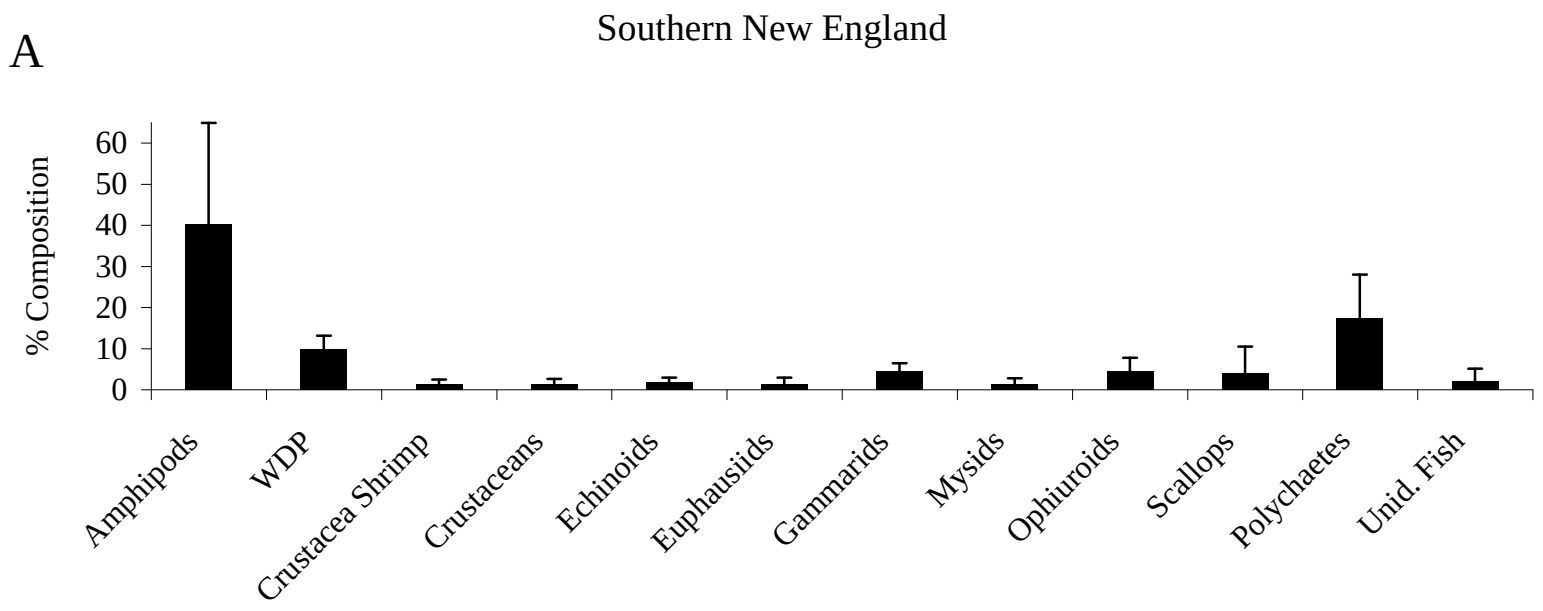

Figure 62A. Percent diet composition by weight of major prey taxa for haddock (*Melanogrammus aeglefinus*) collected in Southern New England (n = 249). WDP = well-digested prey; Unid. Fish = unidentified fish.

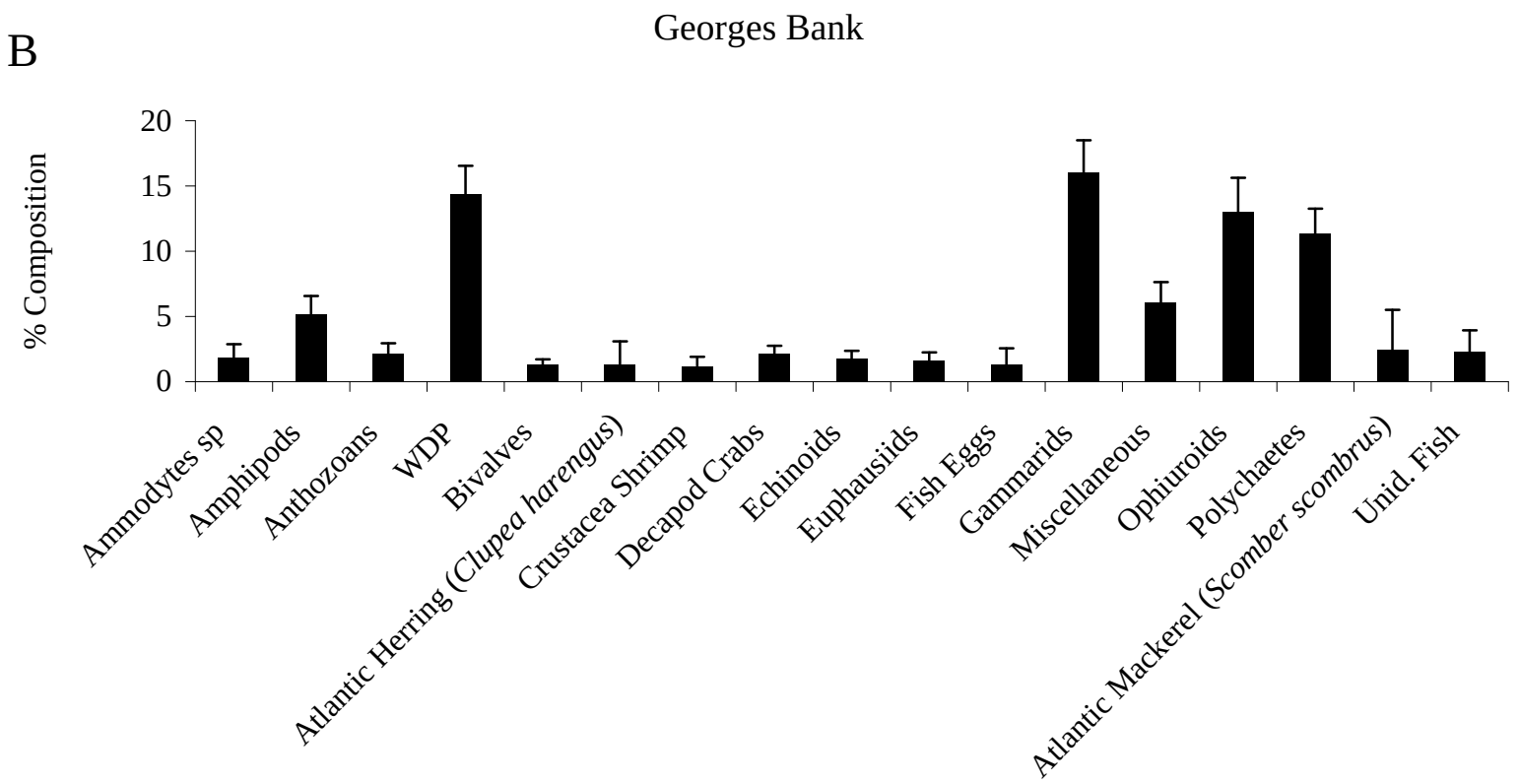

Figure 62B. Percent diet composition by weight of major prey taxa for haddock (*Melanogrammus aeglefinus*) collected on Georges Bank (n = 4,324). WDP = well-digested prey; Unid. Fish = unidentified fish.

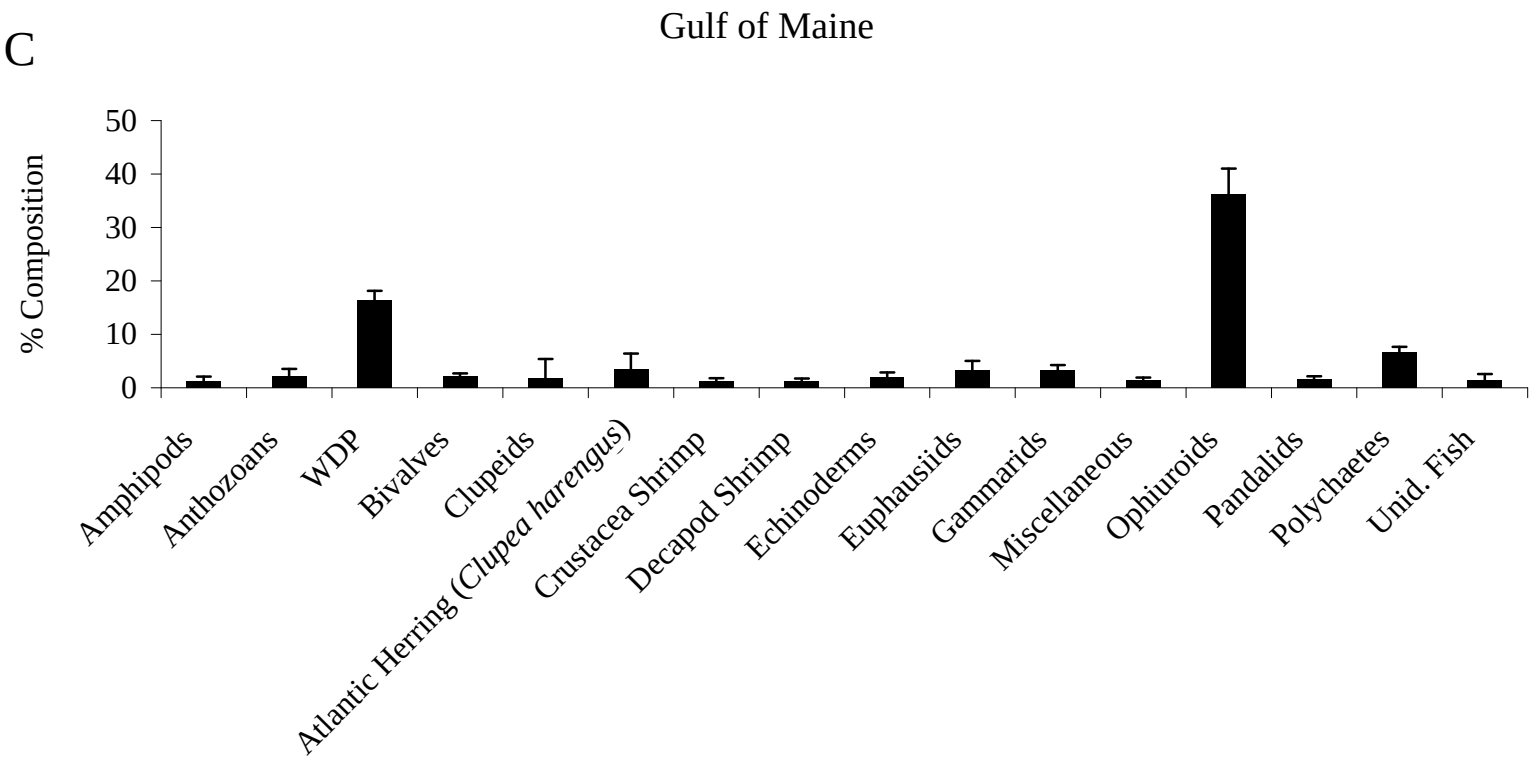

Figure 62C. Percent diet composition by weight of major prey taxa for haddock (*Melanogrammus aeglefinus*) collected in Gulf of Maine (n = 2,833). WDP = well-digested prey; Unid. Fish = unidentified fish.

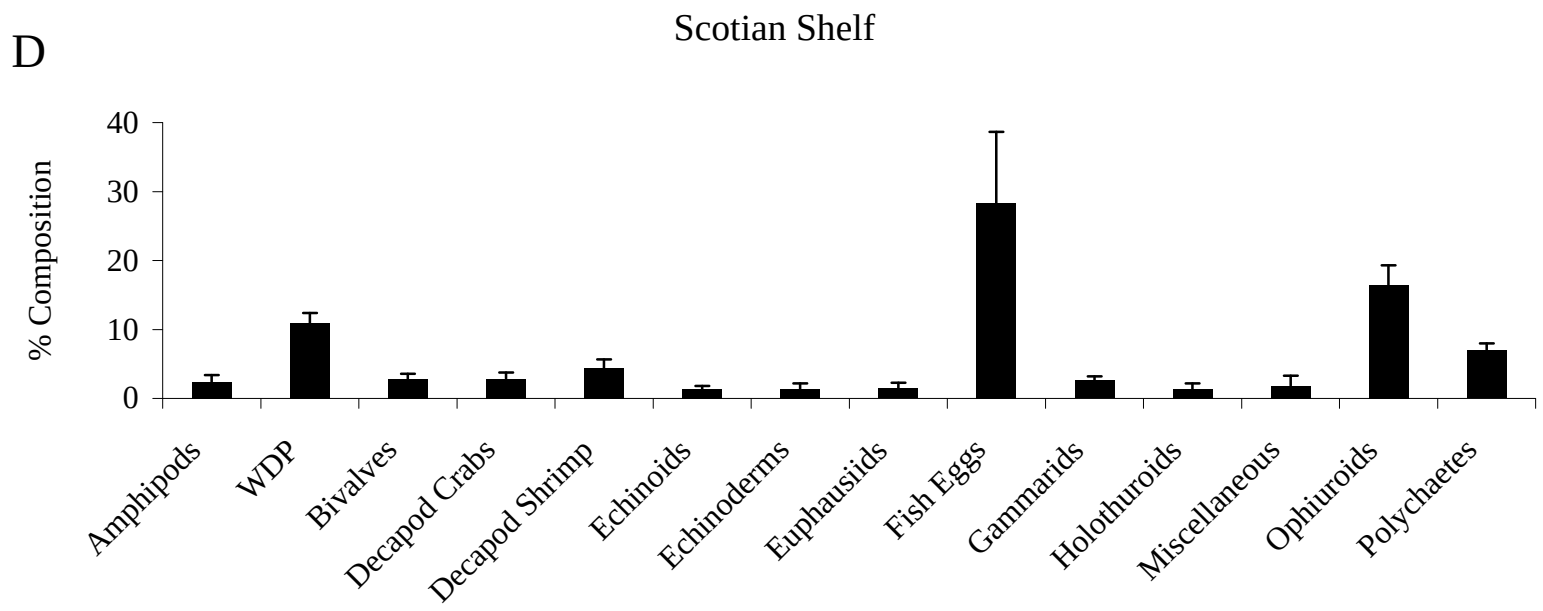

Figure 62D. Percent diet composition by weight of major prey taxa for haddock (*Melanogrammus aeglefinus*) collected on the Scotian Shelf (n = 1,973). WDP = well-digested prey.

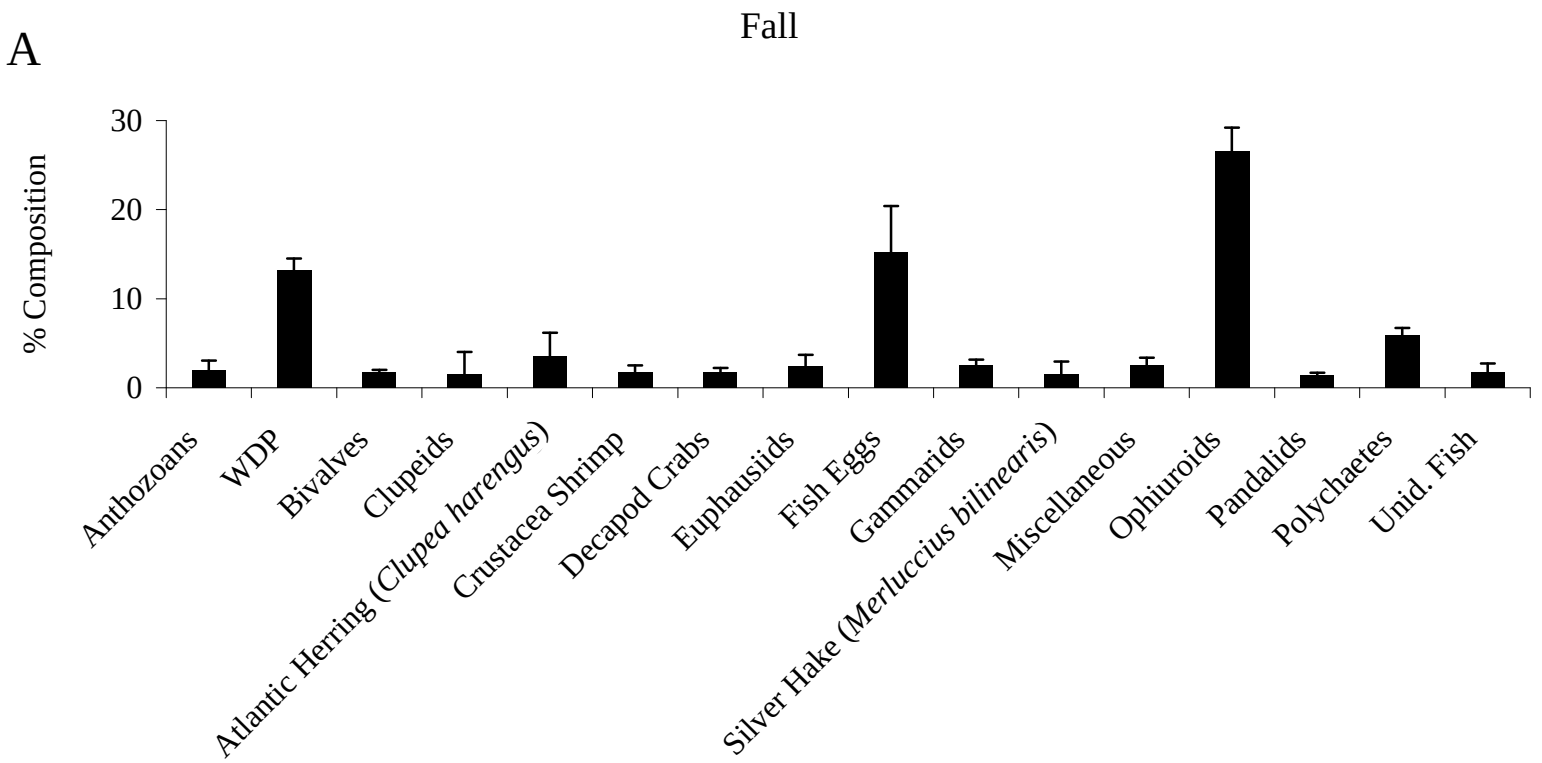

Figure 63A. Percent diet composition by weight of major prey taxa for haddock (*Melanogrammus aeglefinus*) collected in the fall (n = 4,385). WDP = well-digested prey; Unid. Fish = unidentified fish.

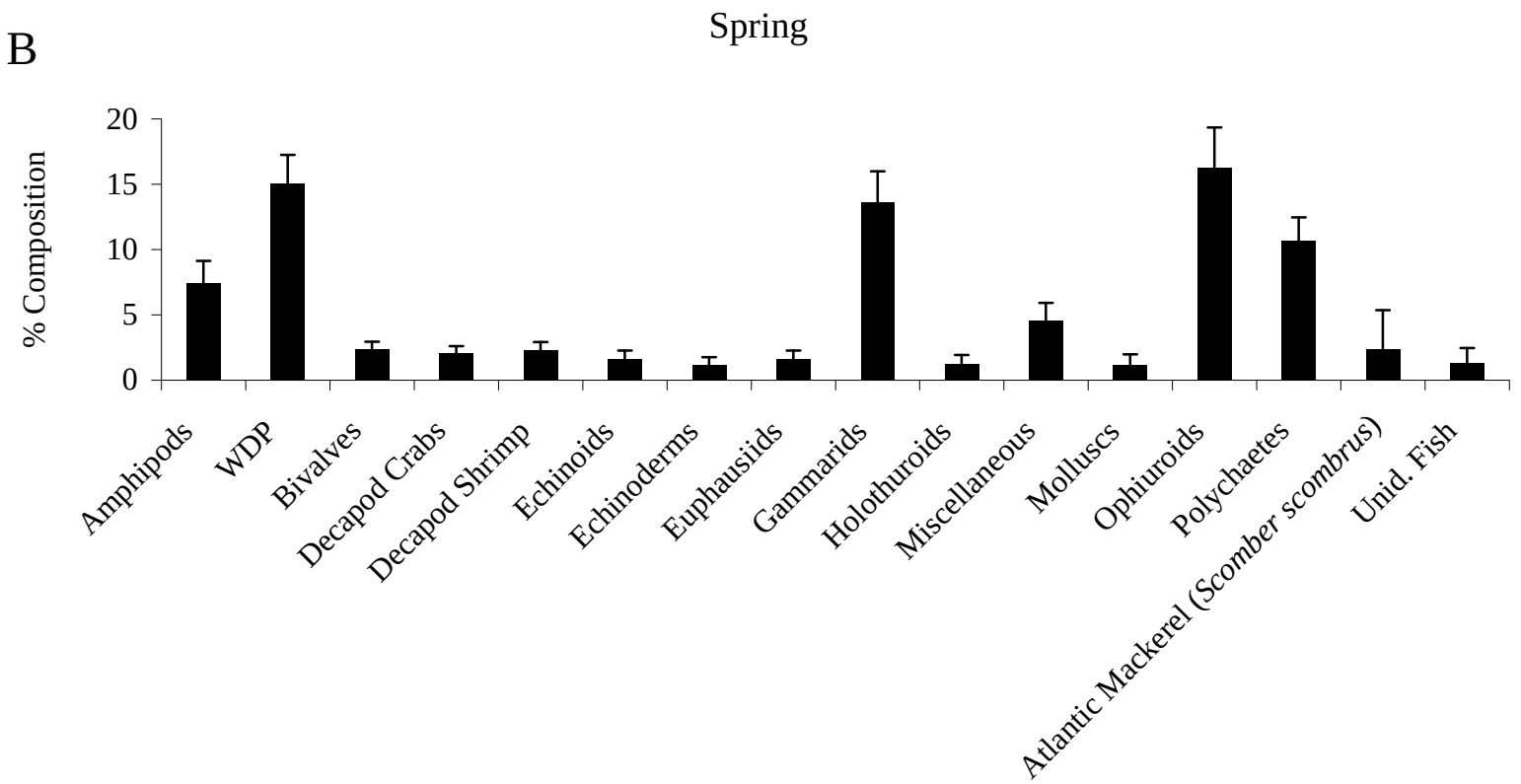

Figure 63B. Percent diet composition by weight of major prey taxa for haddock (*Melanogrammus aeglefinus*) collected in the spring (n = 4,176). WDP = well-digested prey; Unid. Fish = unidentified fish.

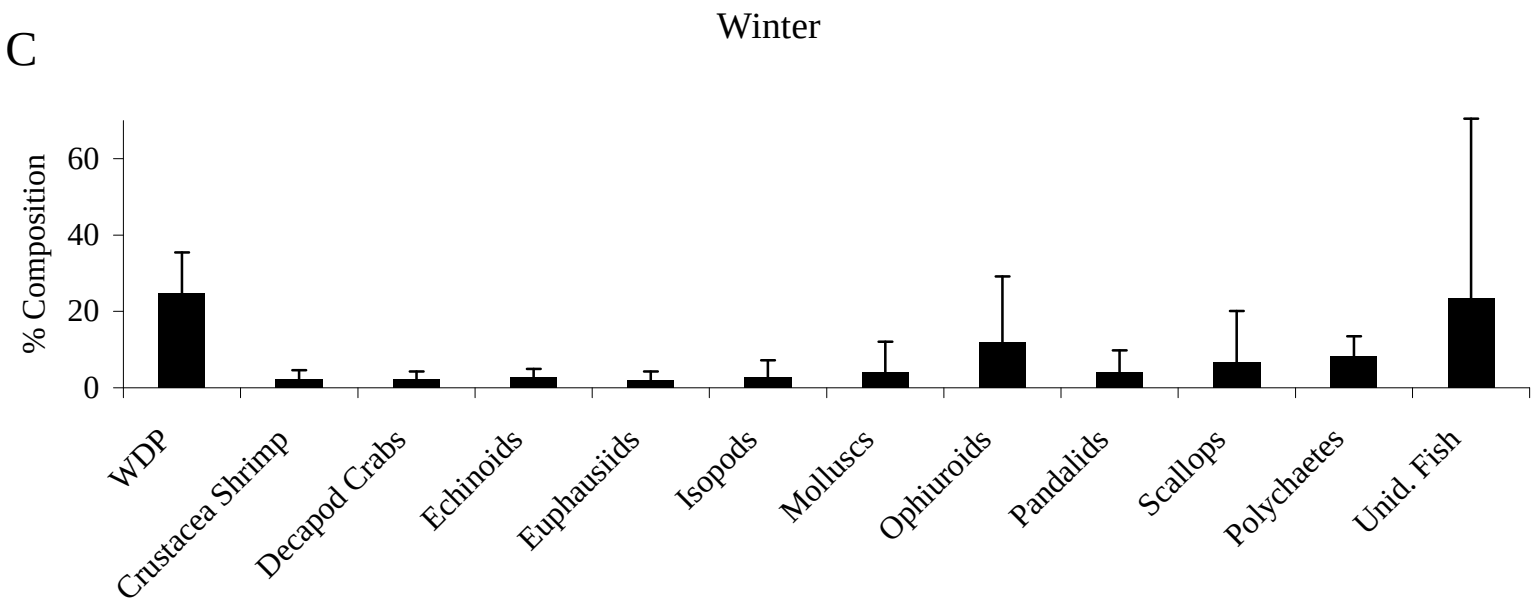

Figure 63C. Percent diet composition by weight of major prey taxa for haddock (*Melanogrammus aeglefinus*) collected in the winter (n = 219). WDP = well-digested prey; Unid. Fish = unidentified fish.

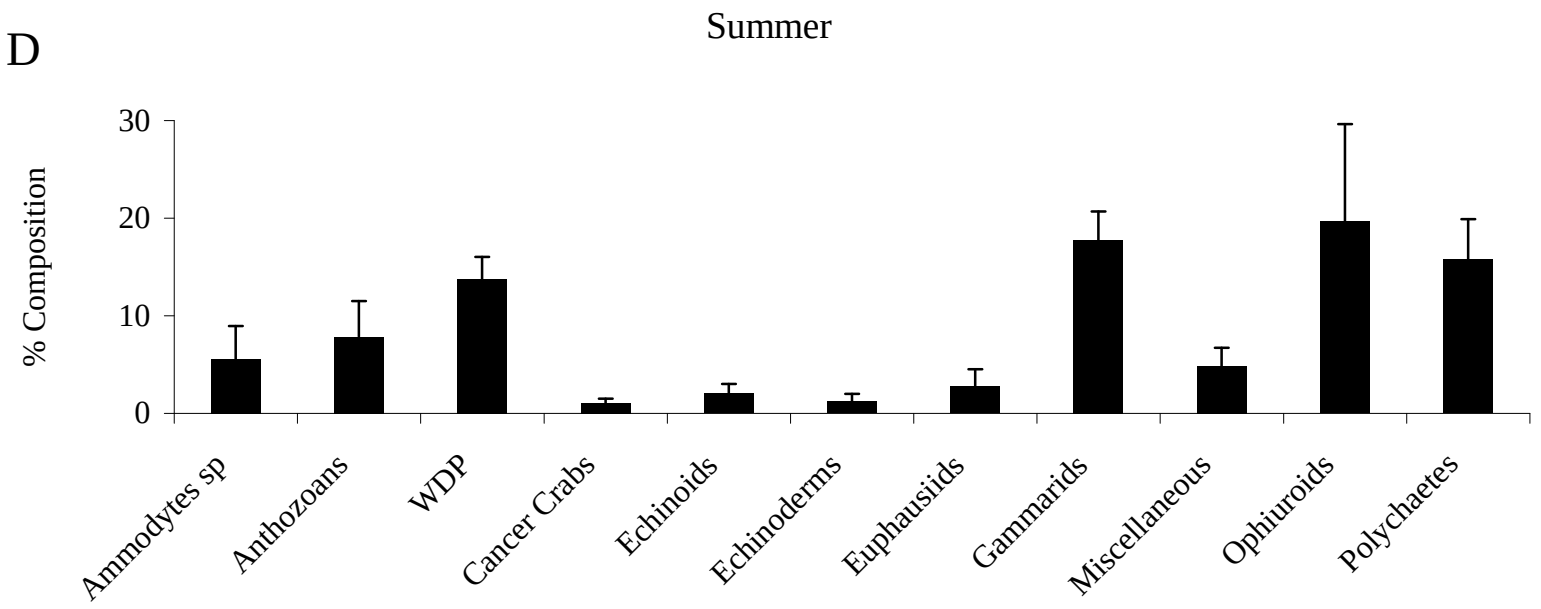

Figure 63D. Percent diet composition by weight of major prey taxa for haddock (*Melanogrammus aeglefinus*) collected in the summer (n = 708). WDP = well-digested prey.

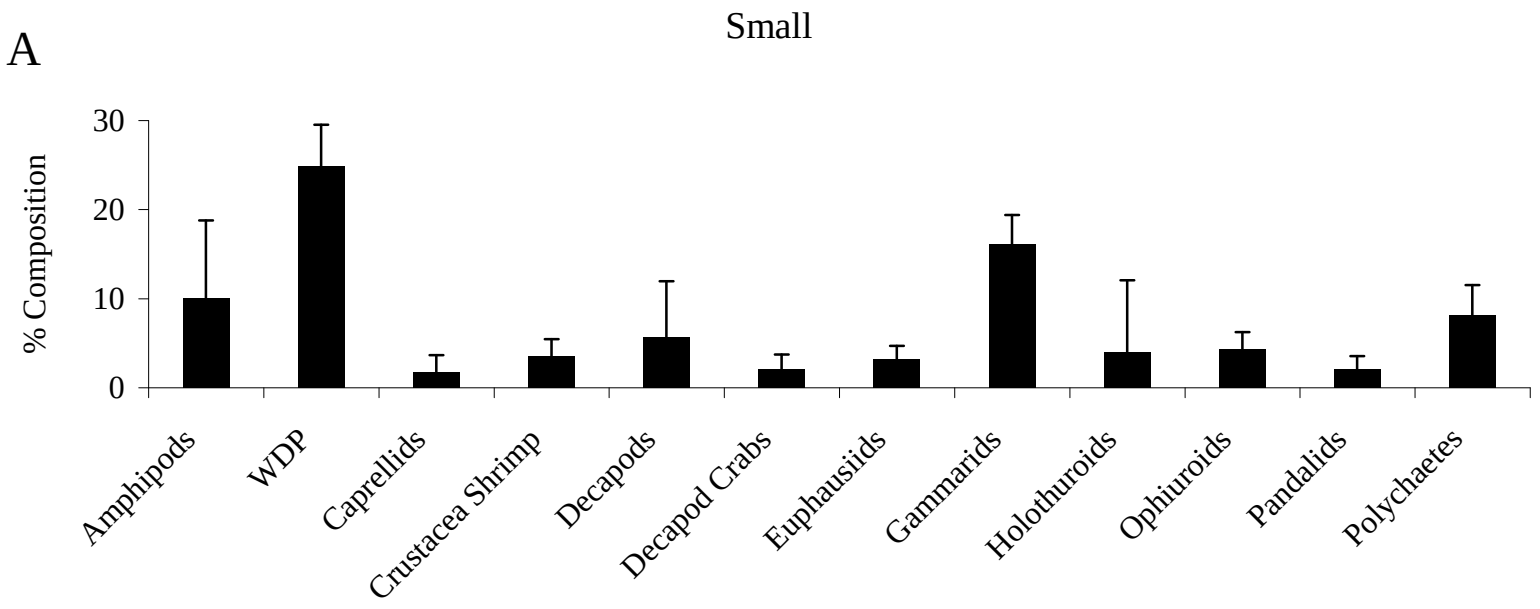

Figure 64A. Percent diet composition by weight of major prey taxa for haddock (*Melanogrammus aeglefinus*) in the small size class (n = 1,196). WDP = well-digested prey.

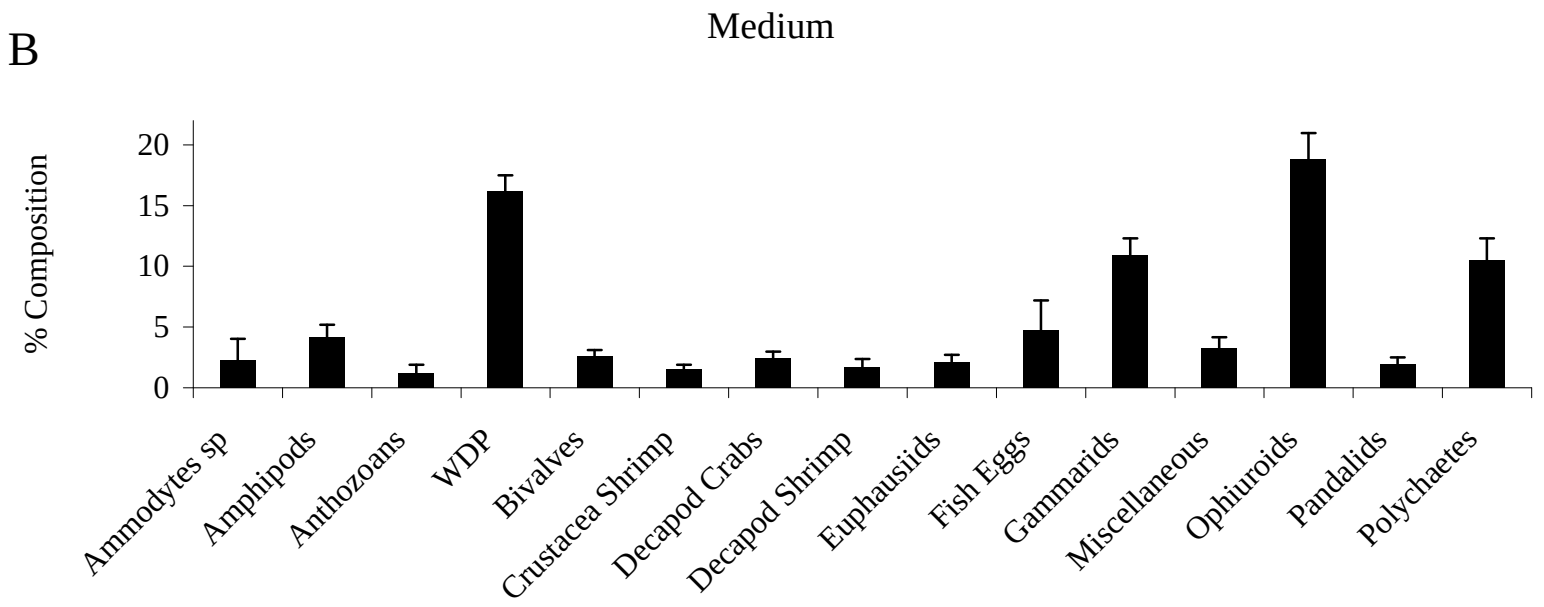

Figure 64B. Percent diet composition by weight of major prey taxa for haddock (*Melanogrammus aeglefinus*) in the medium size class (n = 5,154). WDP = well-digested prey.

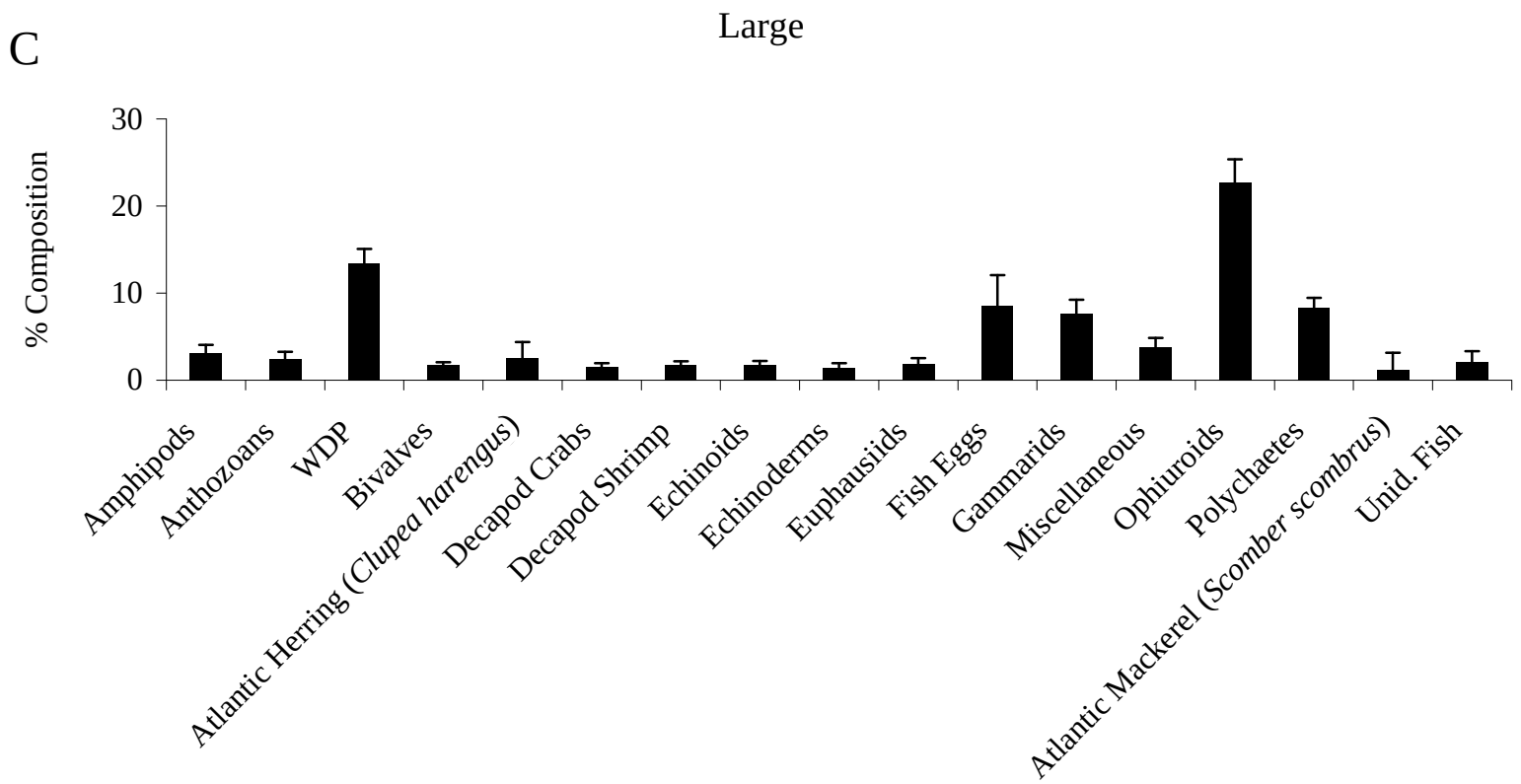

Figure 64C. Percent diet composition by weight of major prey taxa for haddock (*Melanogrammus aeglefinus*) in the large size class (n = 3,108). WDP = well-digested prey; Unid. Fish = unidentified fish.

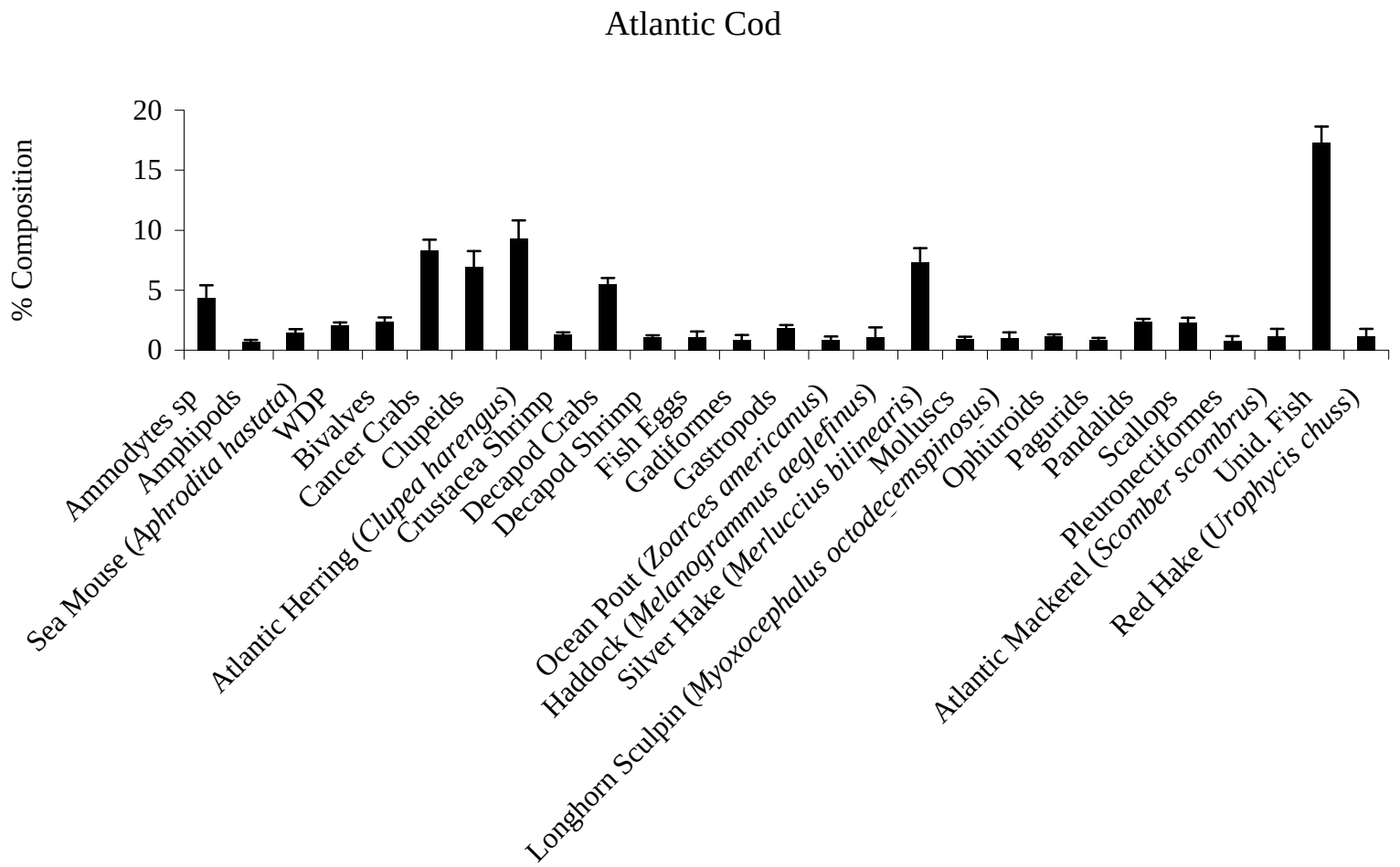

Figure 65. Percent diet composition by weight of major prey taxa for Atlantic cod (*Gadus morhua*; n = 19,645). WDP = well-digested prey; Unid. Fish = unidentified fish.

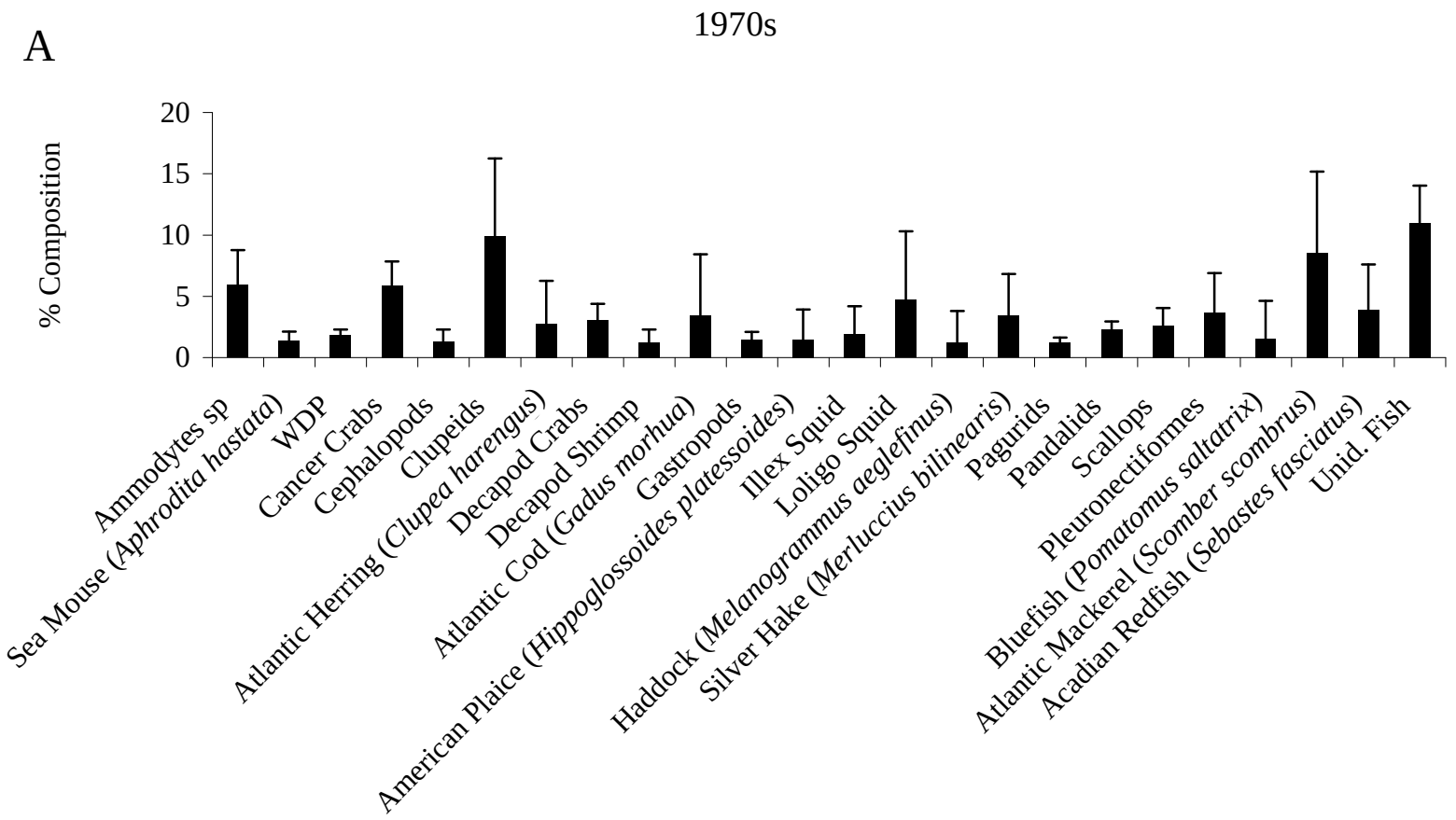

Figure 66A. Percent diet composition by weight of major prey taxa for Atlantic cod (*Gadus morhua*) collected in the 1970s (n = 1,940). WDP = well-digested prey; Unid. Fish = unidentified fish.

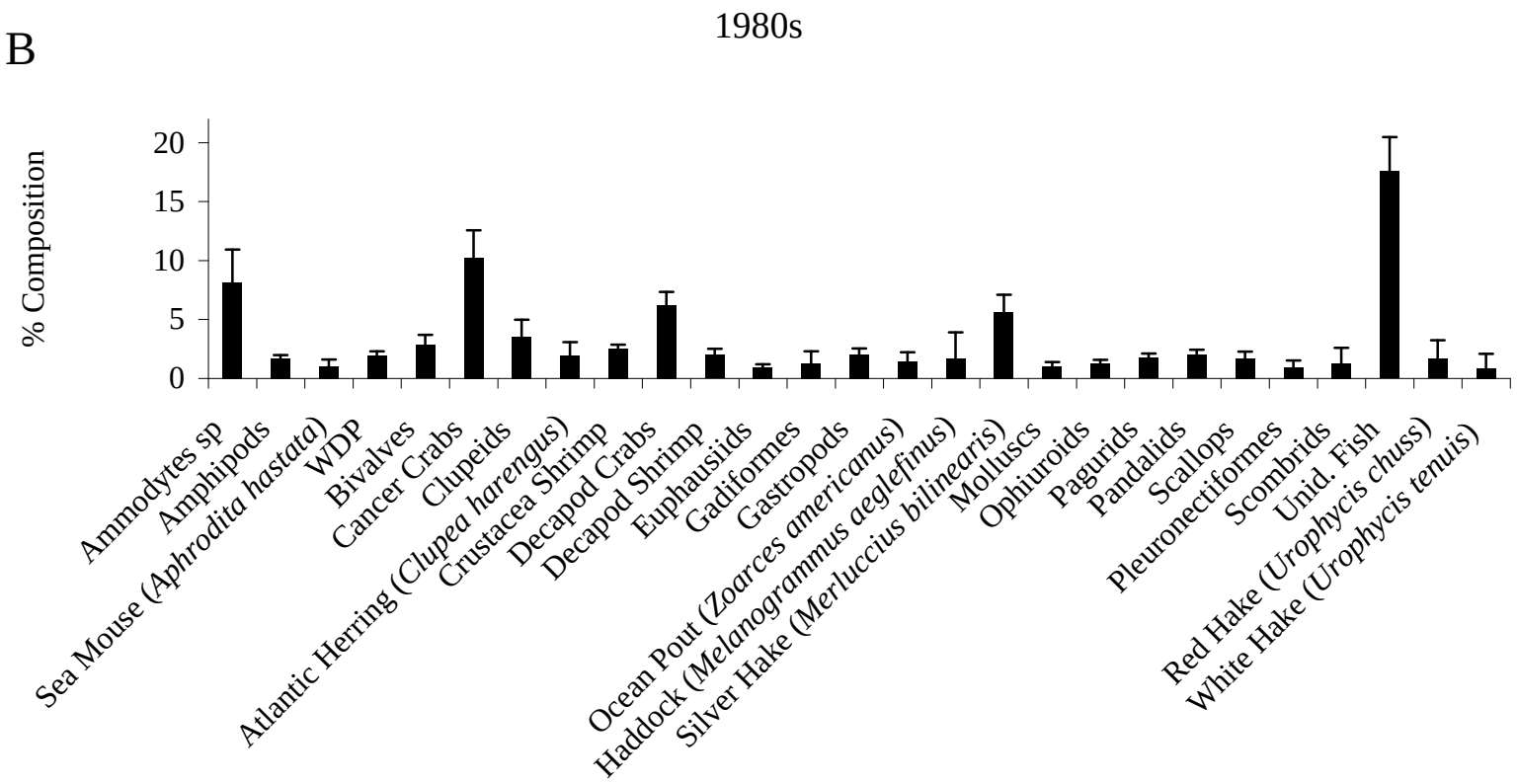

Figure 66B. Percent diet composition by weight of major prey taxa for Atlantic cod (*Gadus morhua*) collected in the 1980s (n = 6,389). WDP = well-digested prey; Unid. Fish = unidentified fish.

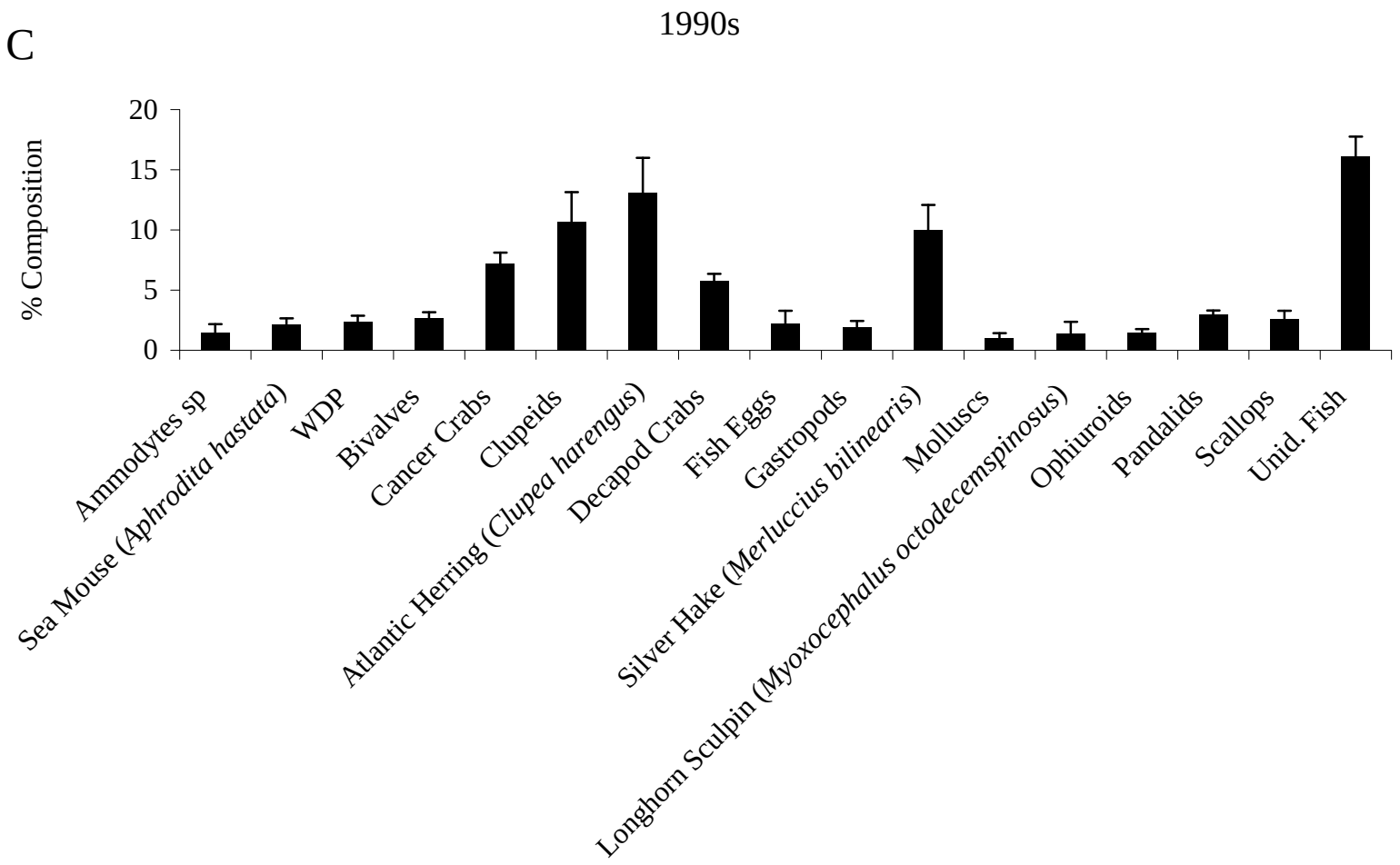

Figure 66C. Percent diet composition by weight of major prey taxa for Atlantic cod (*Gadus morhua*) collected in the 1990s (n = 8,252). WDP = well-digested prey; Unid. Fish = unidentified fish.

D

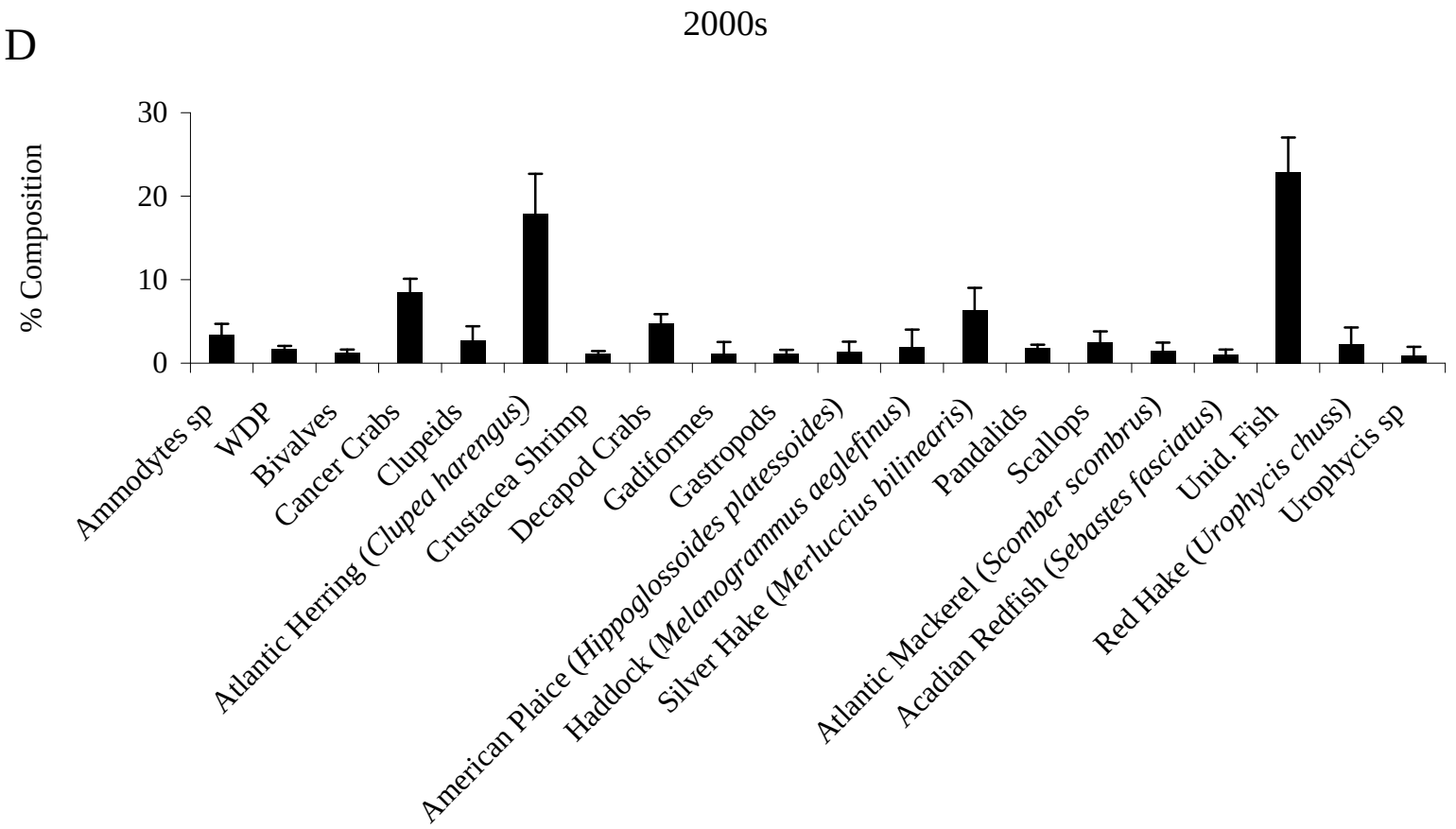

Figure 66D. Percent diet composition by weight of major prey taxa for Atlantic cod (*Gadus morhua*) collected collected in the 2000s (n = 3,064). WDP = well-digested prey; Unid. Fish = unidentified fish.

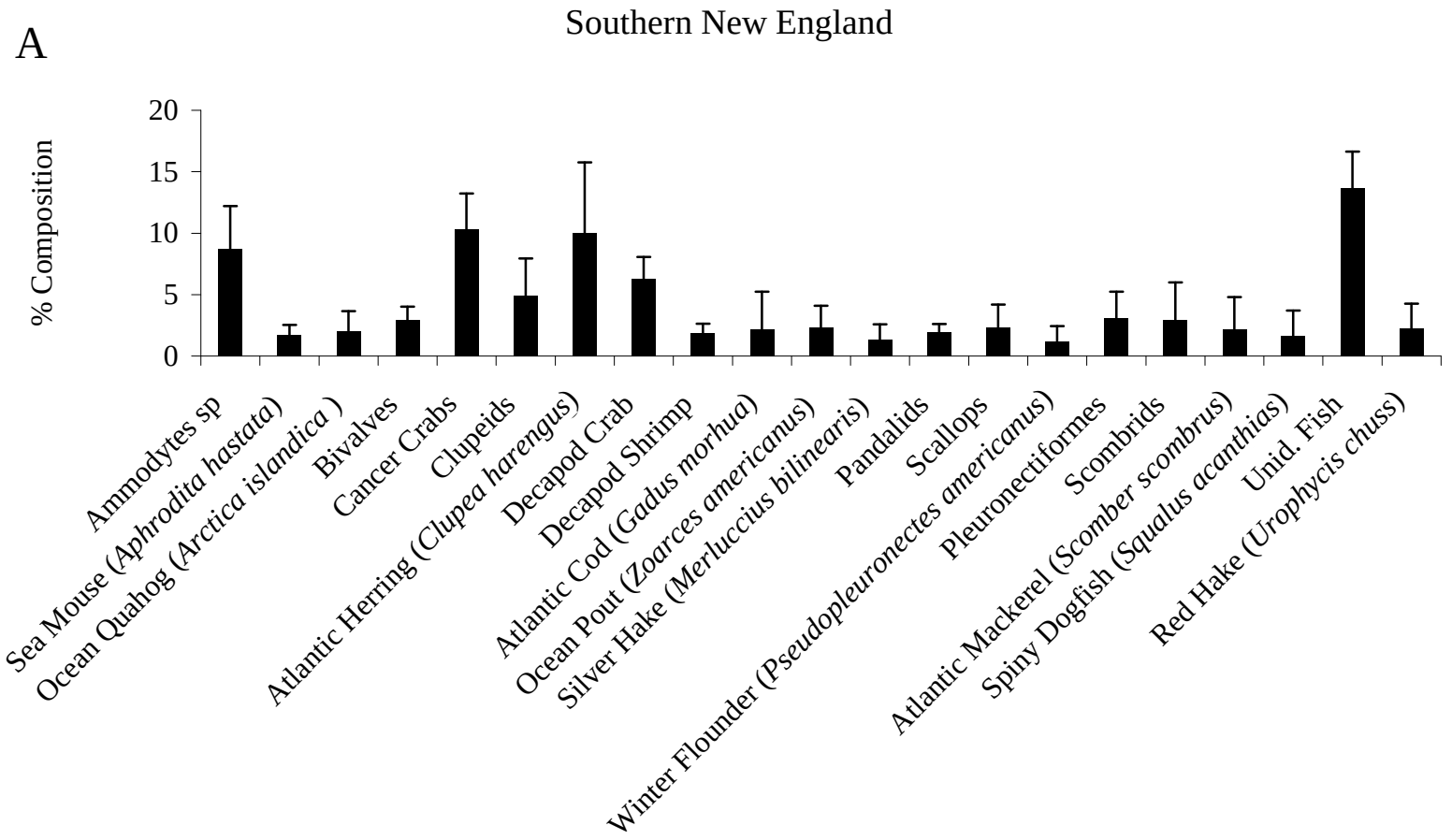

Figure 67A. Percent diet composition by weight of major prey taxa for Atlantic cod (*Gadus morhua*) collected in Southern New England (n = 1,226). Unid. Fish = unidentified fish.

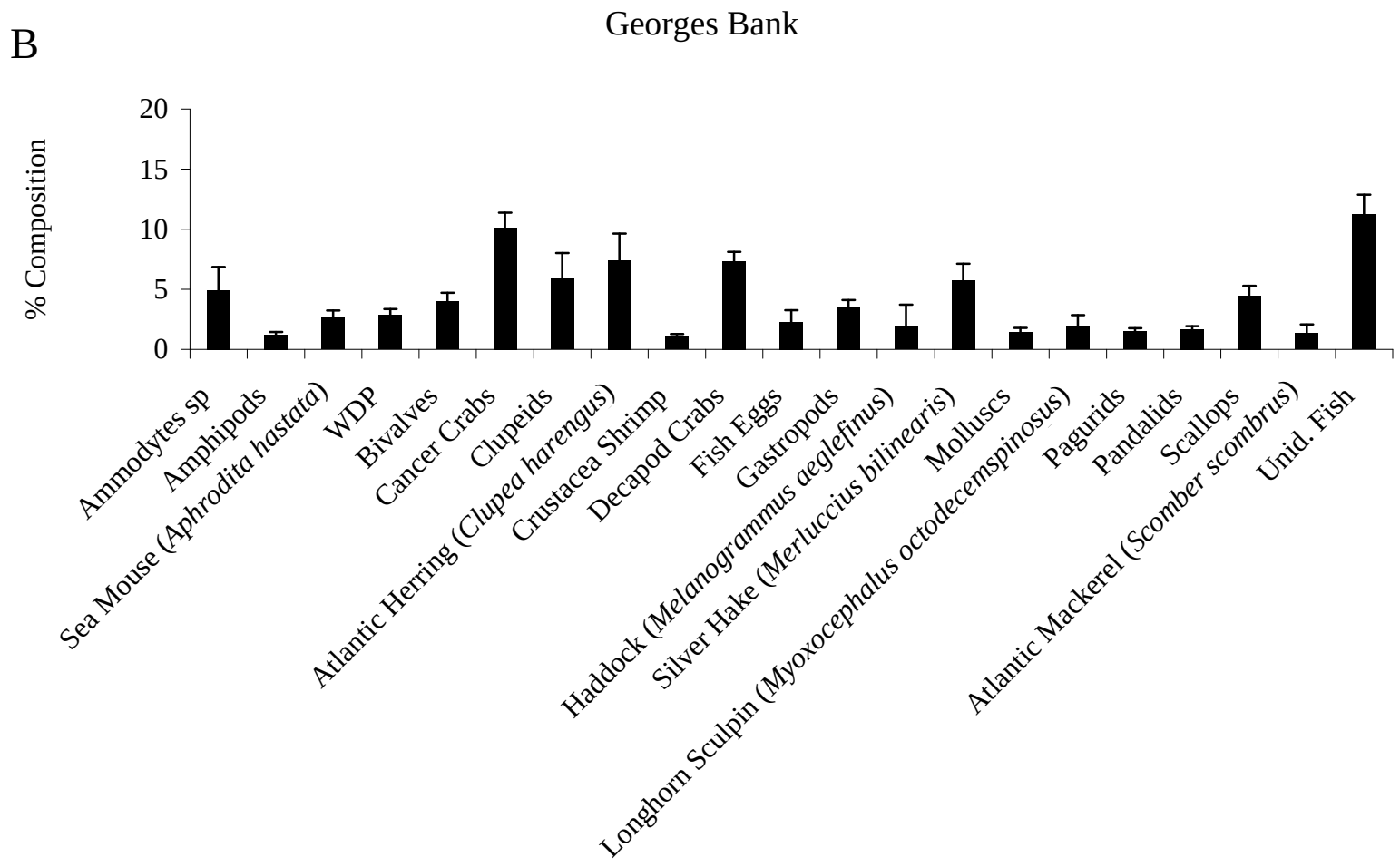

Figure 67B. Percent diet composition by weight of major prey taxa for Atlantic cod (*Gadus morhua*) collected on Georges Bank (n = 8,041). WDP = well-digested prey; Unid. Fish = unidentified fish.

C

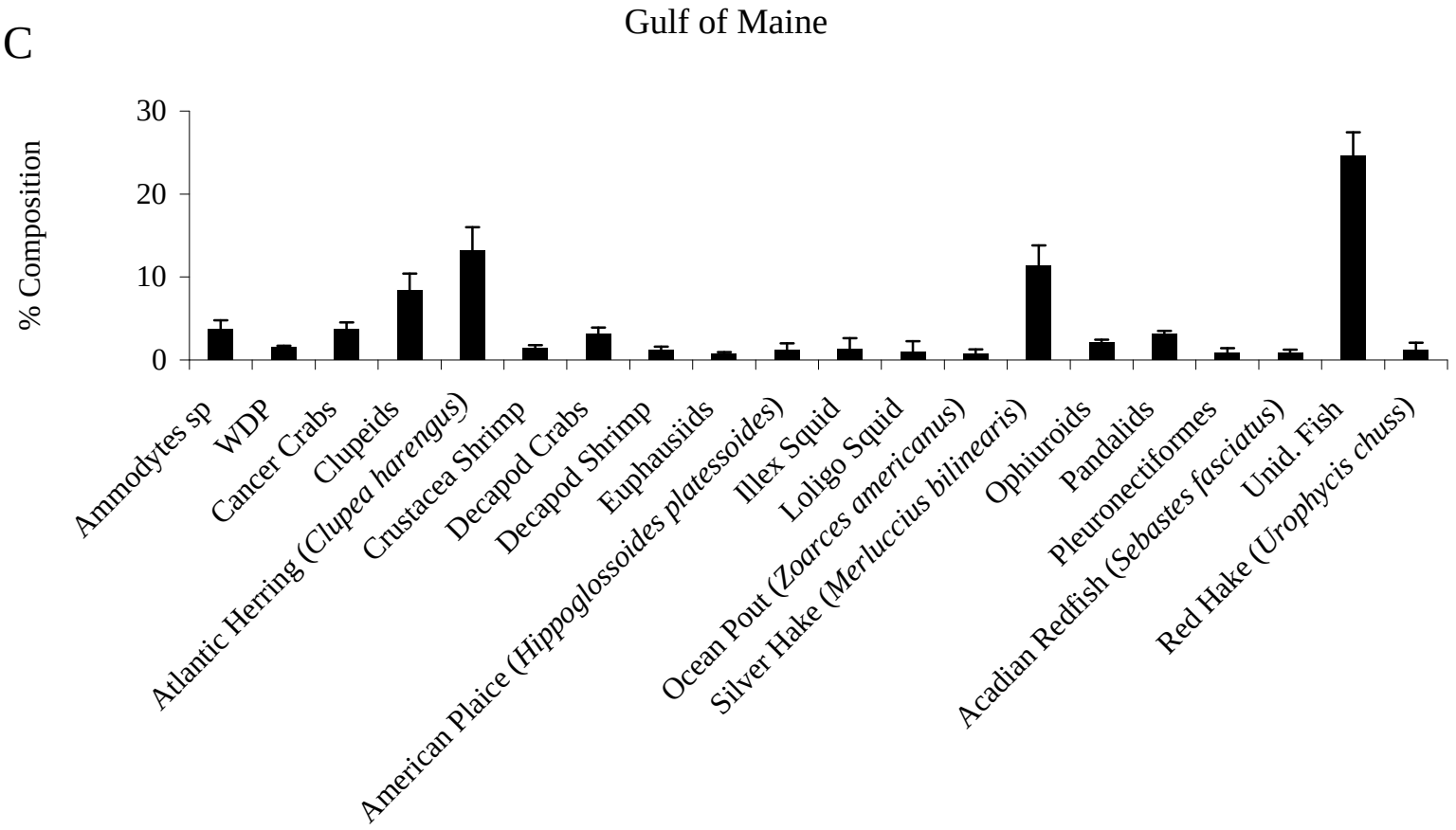

Figure 67C. Percent diet composition by weight of major prey taxa for Atlantic cod (*Gadus morhua*) collected in Gulf of Maine (n = 7,882). WDP = well-digested prey; Unid. Fish = unidentified fish.

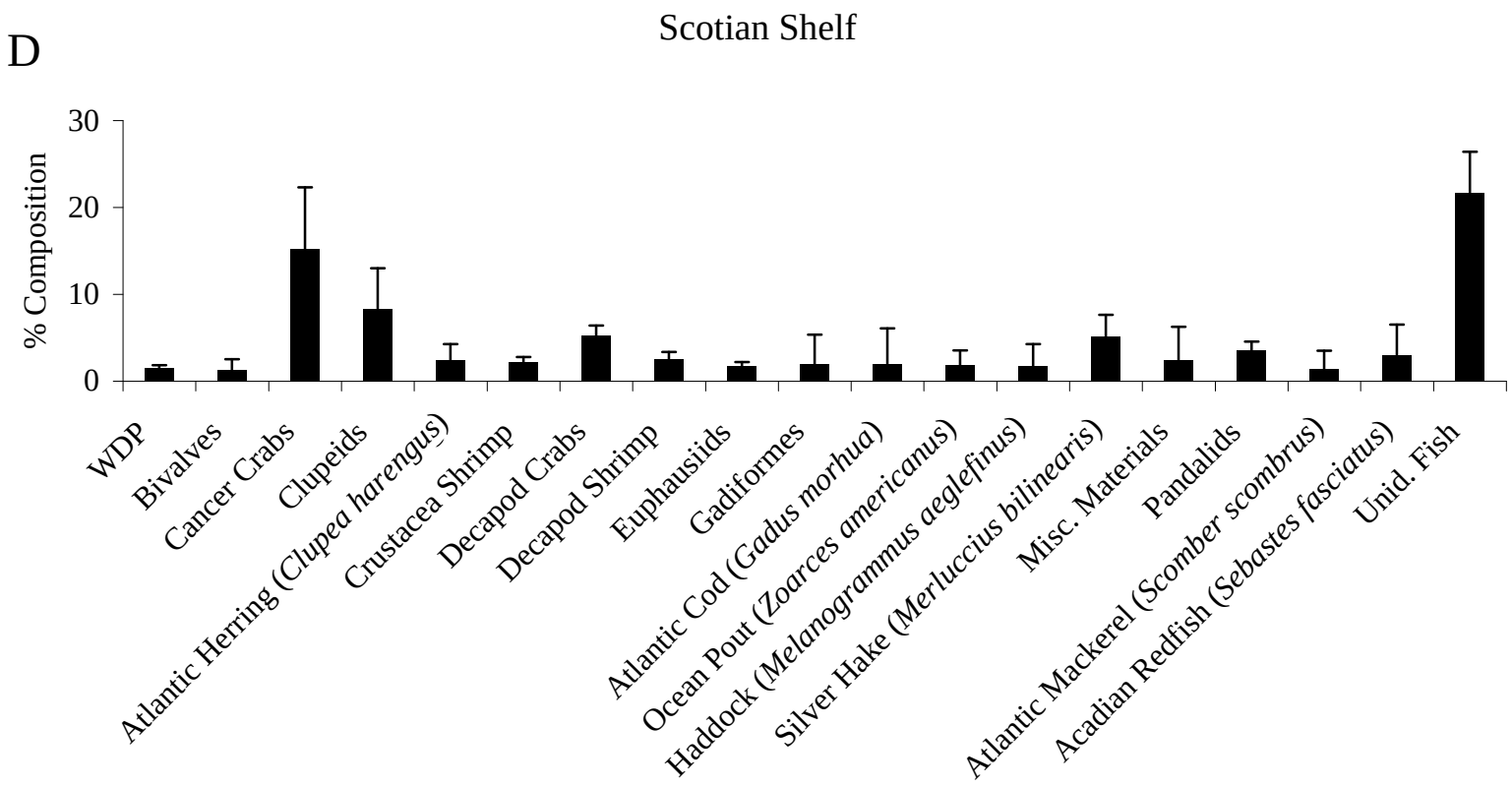

Figure 67D. Percent diet composition by weight of major prey taxa for Atlantic cod (*Gadus morhua*) collected on the Scotian Shelf (n = 2,417). WDP = well-digested prey; Unid. Fish = unidentified fish.

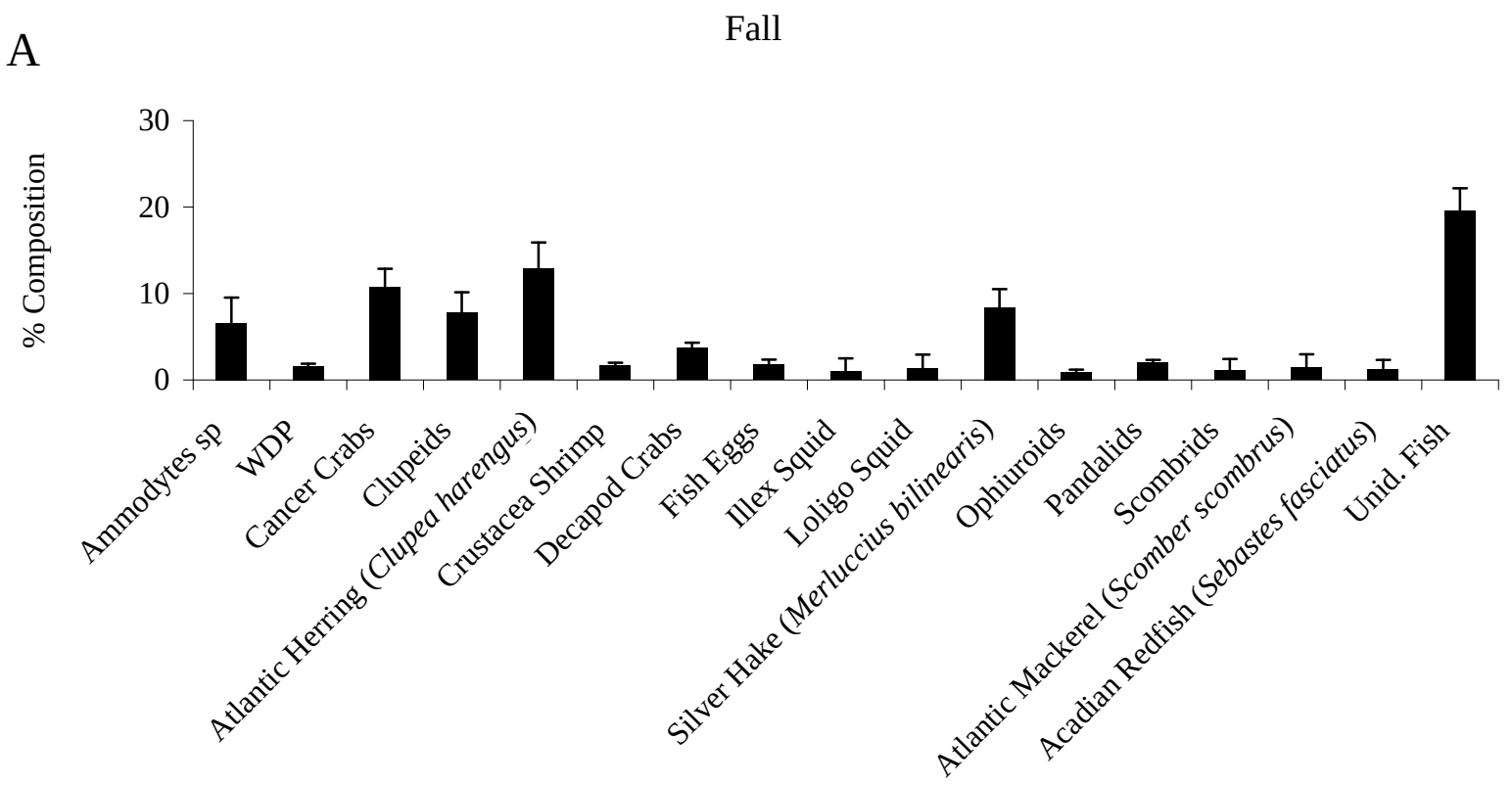

Figure 68A. Percent diet composition by weight of major prey taxa for Atlantic cod (*Gadus morhua*) collected in the fall (n = 7,170). WDP = well-digested prey; Unid. Fish = unidentified fish.

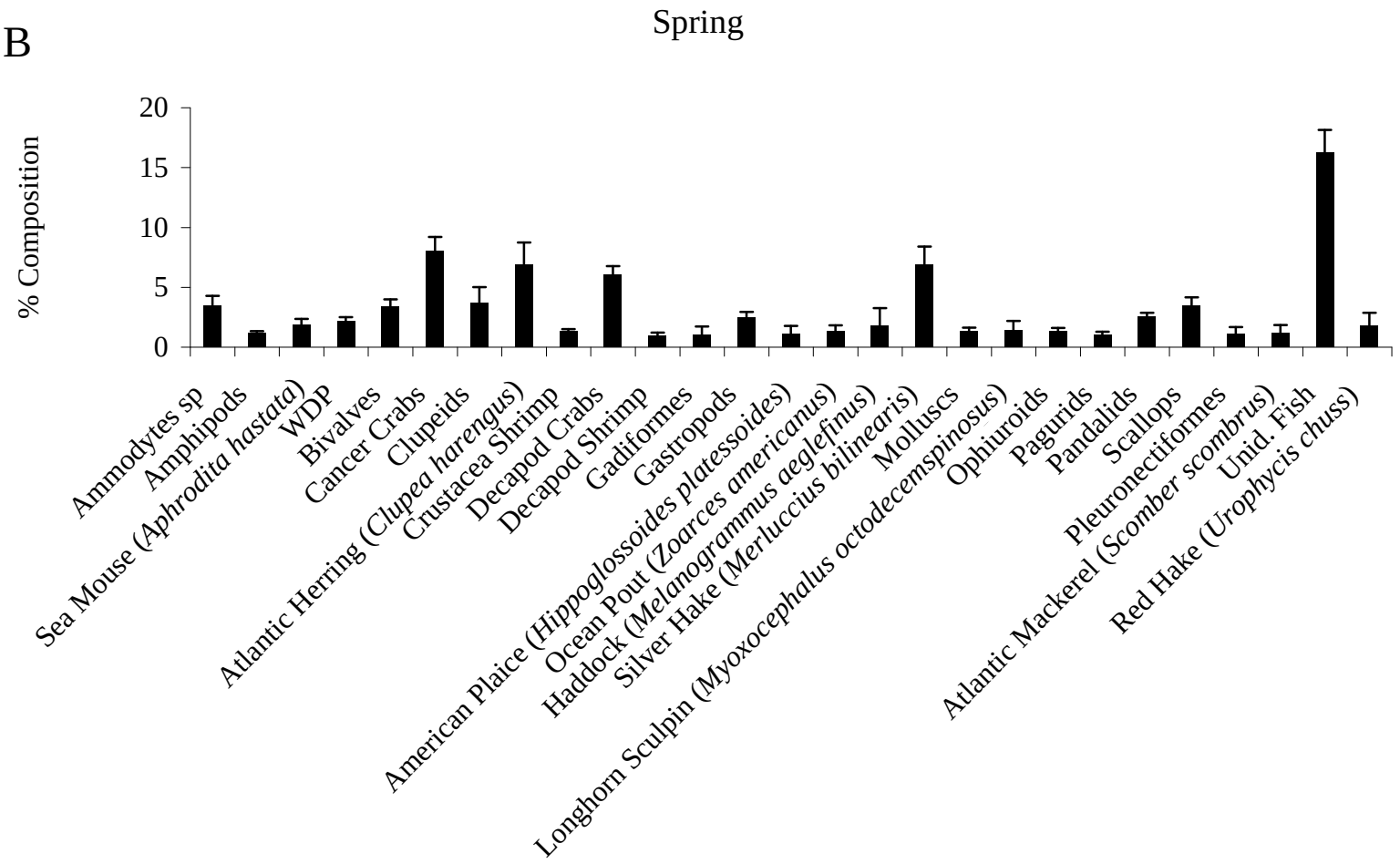

Figure 68B. Percent diet composition by weight of major prey taxa for Atlantic cod (*Gadus morhua*) collected collected in the spring (n = 10,114). WDP = well-digested prey; Unid. Fish = unidentified fish.

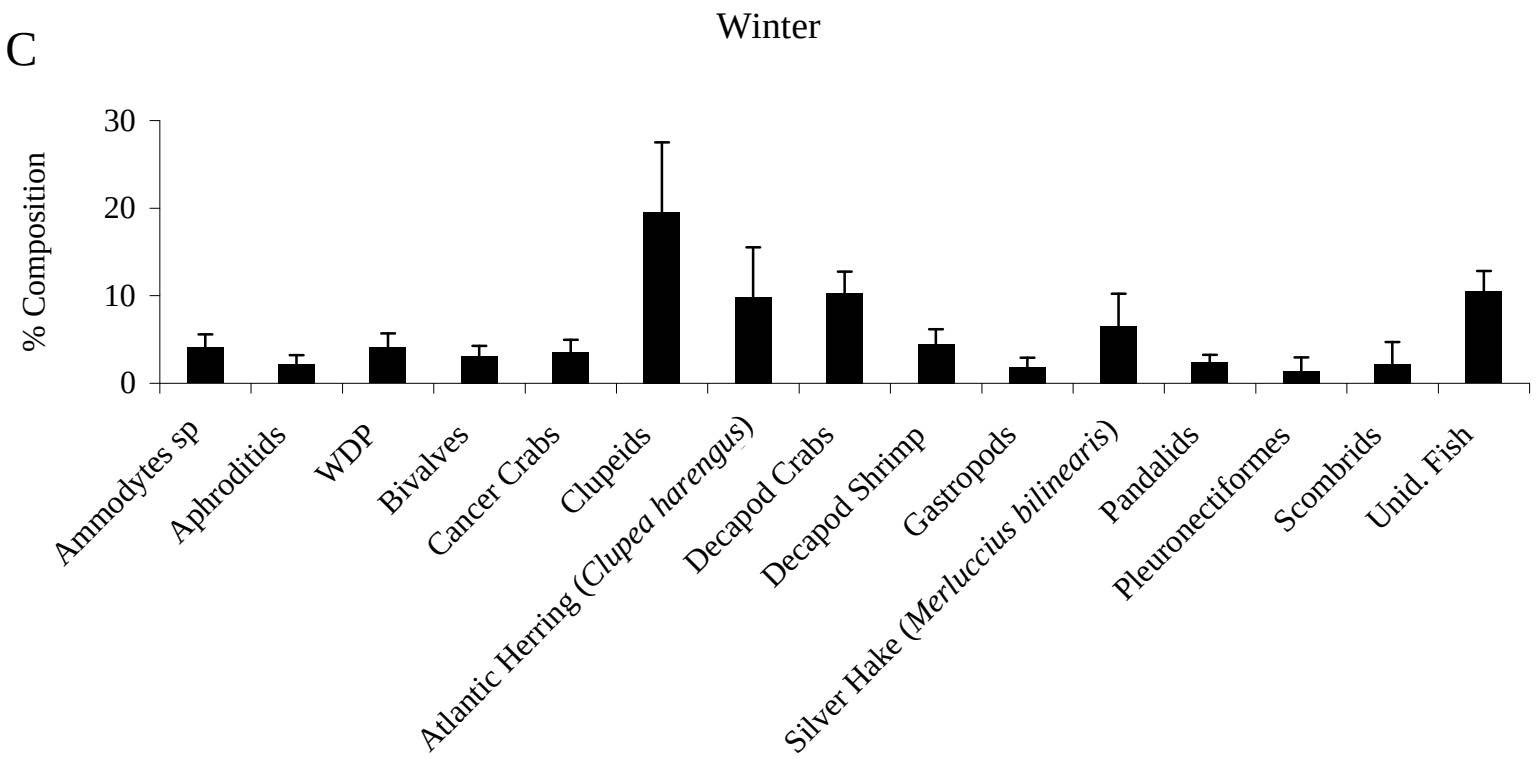

Figure 68C. Percent diet composition by weight of major prey taxa for Atlantic cod (*Gadus morhua*) collected in the winter (n = 1,389). WDP = well-digested prey; Unid. Fish = unidentified fish.

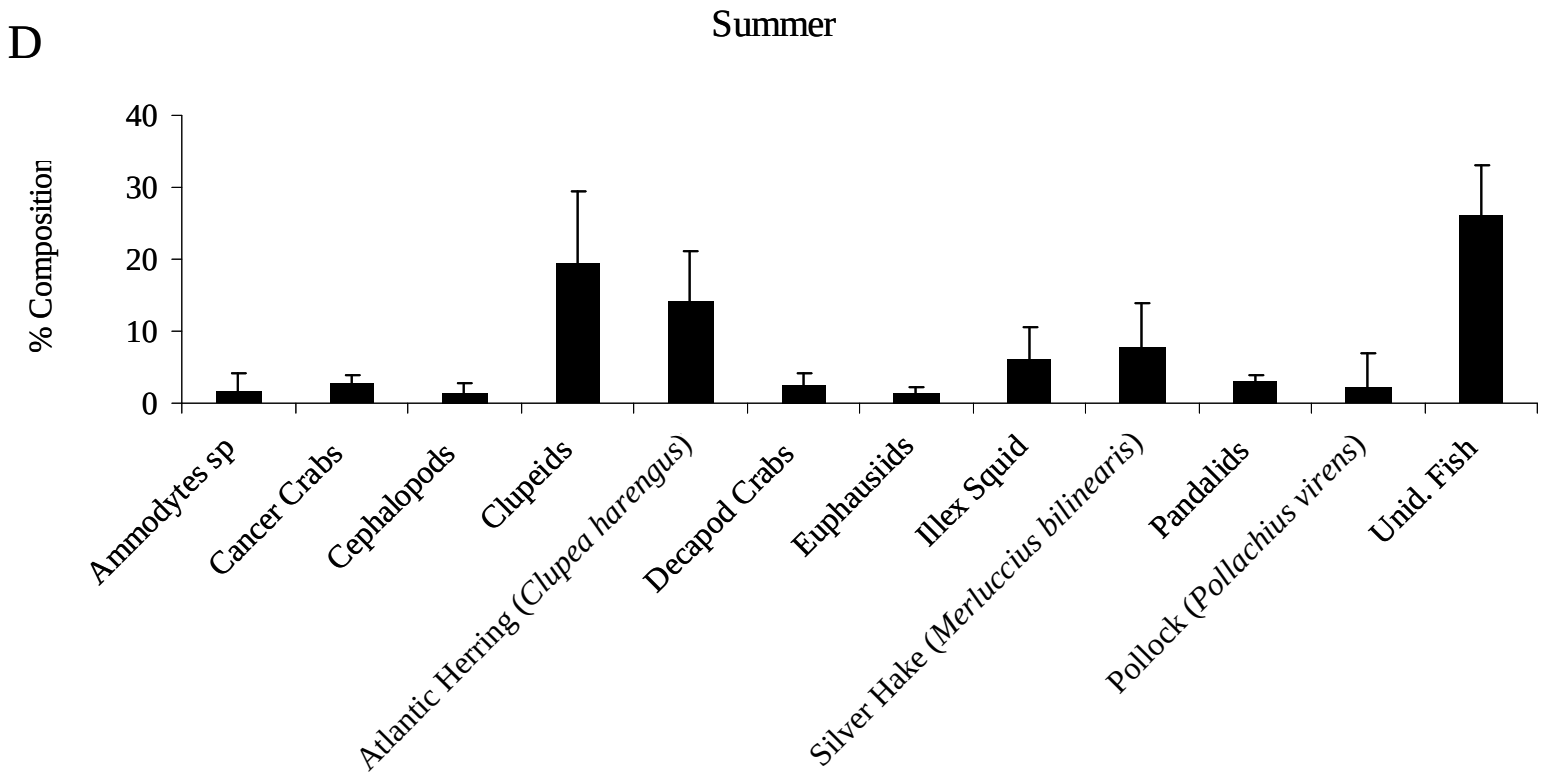

Figure 68D. Percent diet composition by weight of major prey taxa for Atlantic cod (*Gadus morhua*) collected in the summer (n = 972). Unid. Fish = unidentified fish.

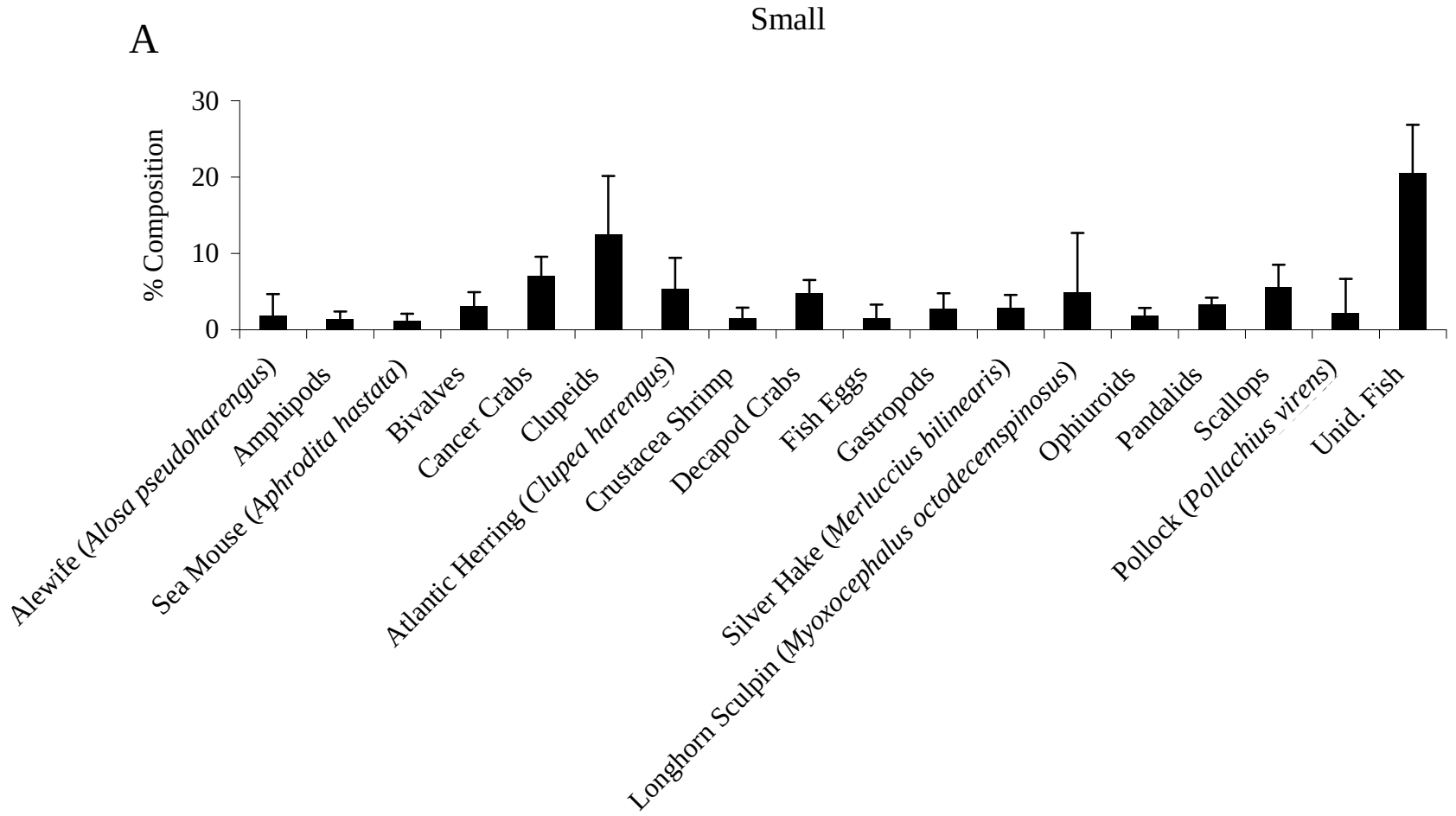

Figure 69A. Percent diet composition by weight of major prey taxa for Atlantic cod (*Gadus morhua*) in the small size class (n = 1,827). Unid. Fish = unidentified fish.

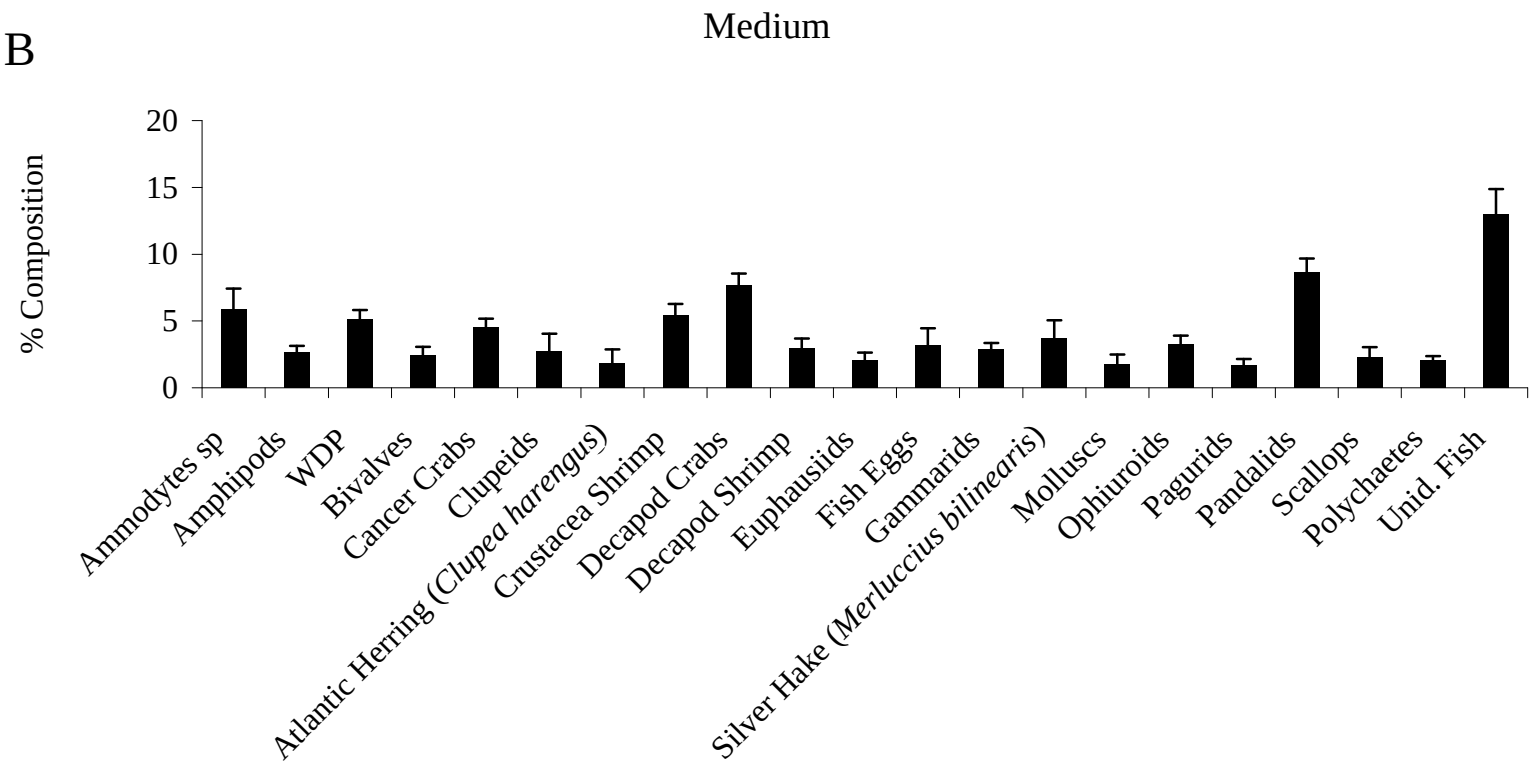

Figure 69B. Percent diet composition by weight of major prey taxa for Atlantic cod (*Gadus morhua*) in the medium size class (n = 7,749). WDP = well-digested prey; Unid. Fish = unidentified fish.

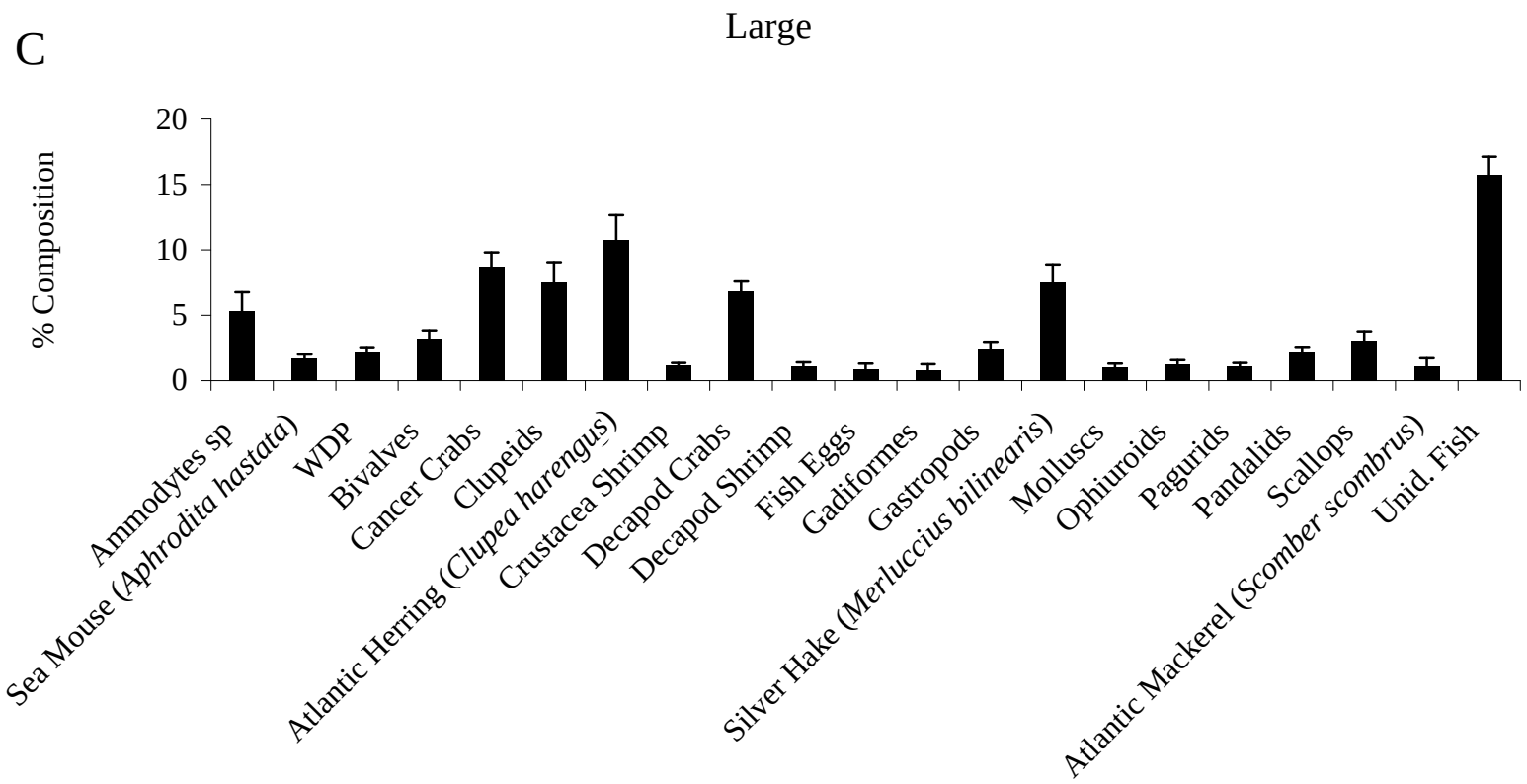

Figure 69C. Percent diet composition by weight of major prey taxa for Atlantic cod (*Gadus morhua*) in the large size class (n = 8,223). WDP = well-digested prey; Unid. Fish = unidentified fish.

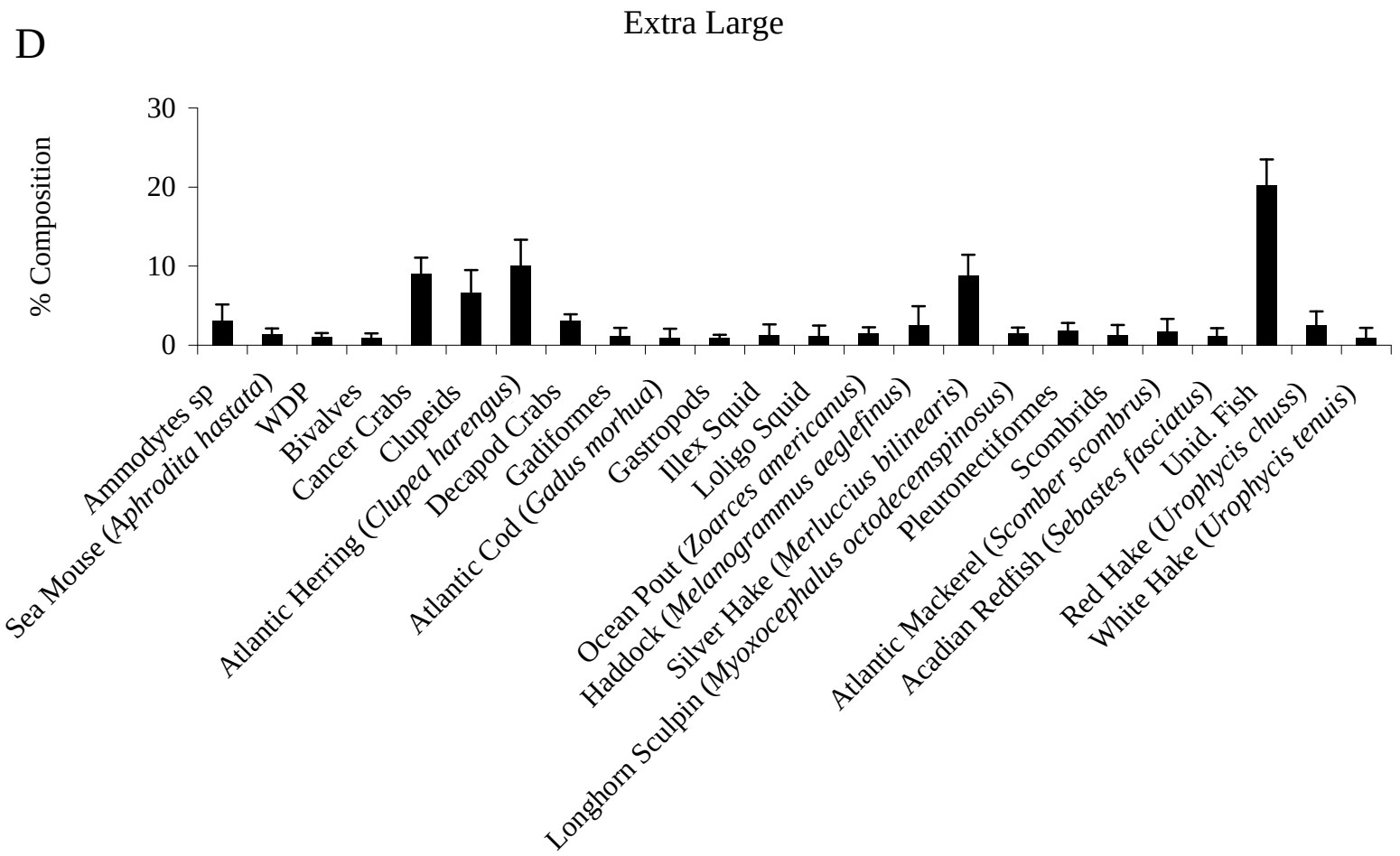

Figure 69D. Percent diet composition by weight of major prey taxa for Atlantic cod (*Gadus morhua*) in the extra-large size class (n = 1,846). WDP = well-digested prey; Unid. Fish = unidentified fish.

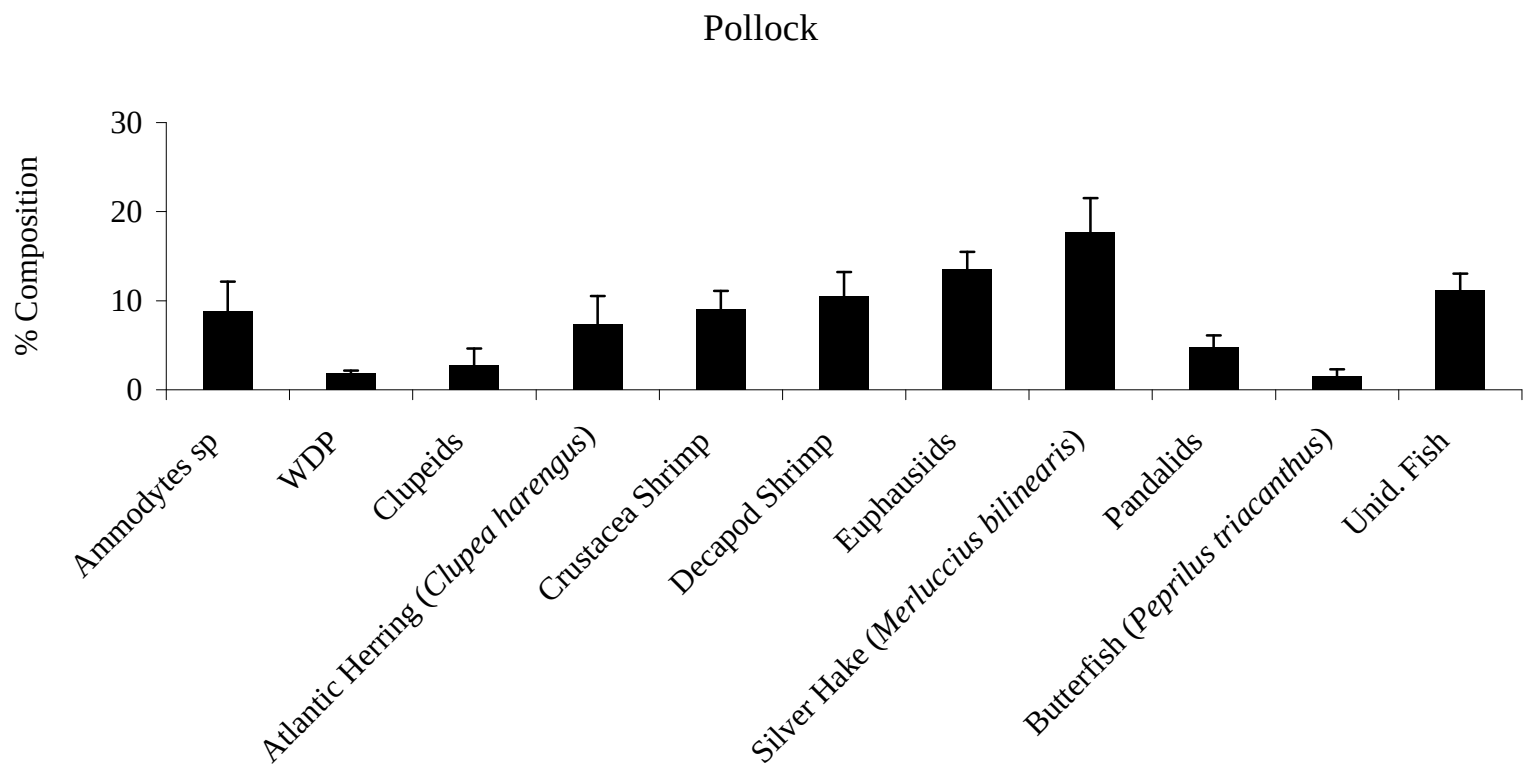

Figure 70. Percent diet composition by weight of major prey taxa for pollock (*Pollachius virens*; n = 5,820). WDP = well-digested prey; Unid. Fish = unidentified fish.

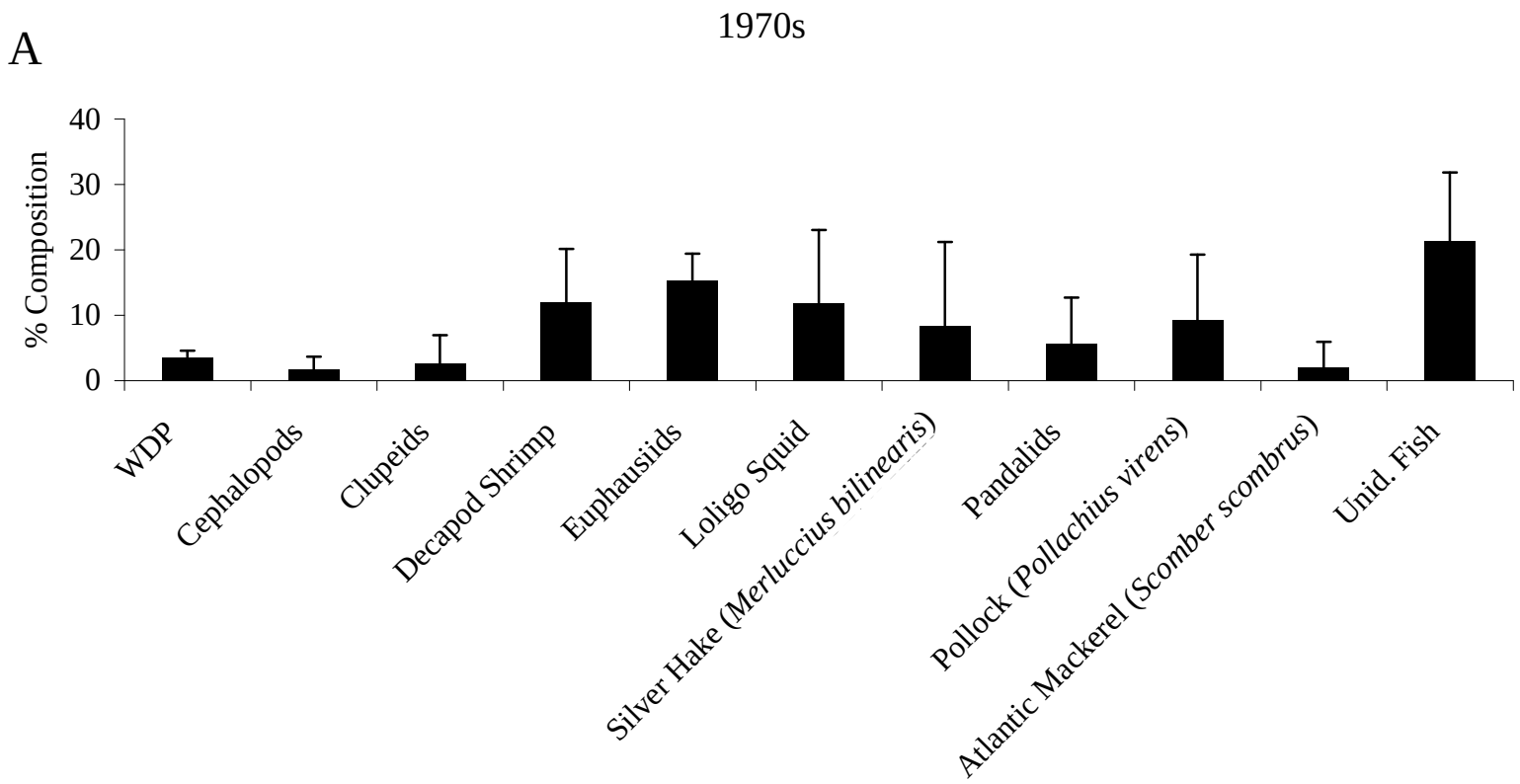

Figure 71A. Percent diet composition by weight of major prey taxa for pollock (*Pollachius virens*) collected in the 1970s (n = 630). WDP = well-digested prey; Unid. Fish = unidentified fish.

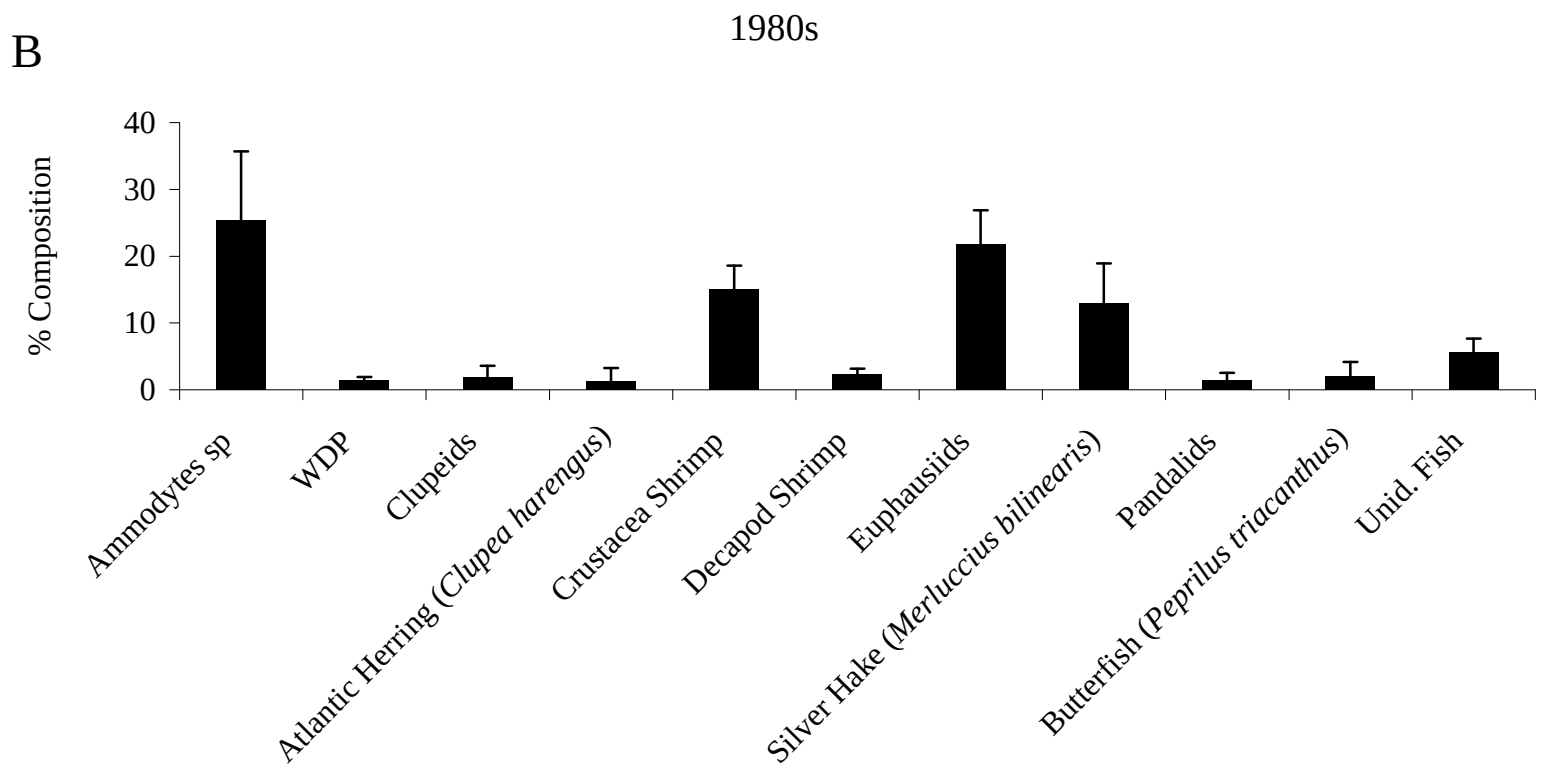

Figure 71B. Percent diet composition by weight of major prey taxa for pollock (*Pollachius virens*) collected in the 1980s (n = 1,579). WDP = well-digested prey; Unid. Fish = unidentified fish.

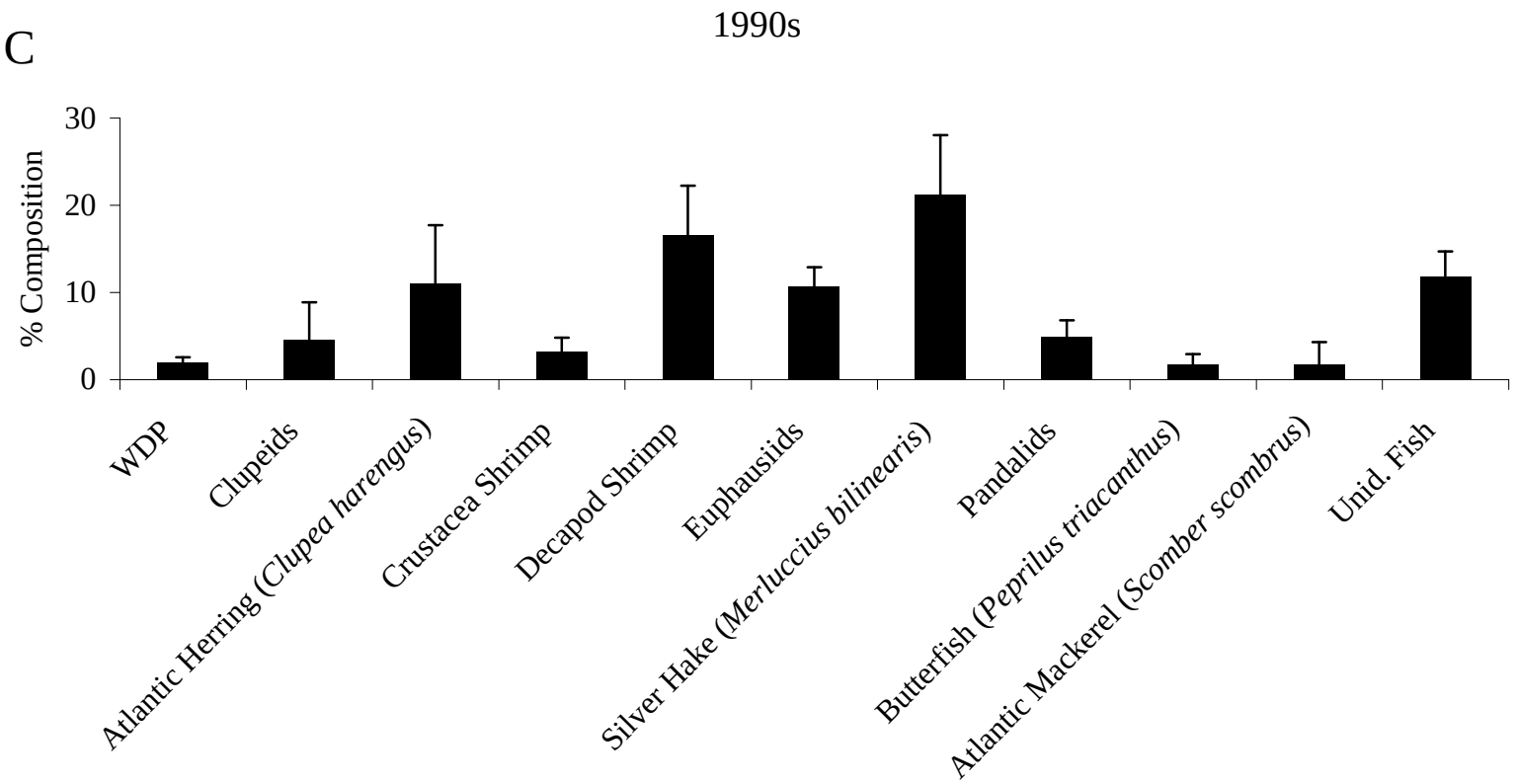

Figure 71C. Percent diet composition by weight of major prey taxa for pollock (*Pollachius virens*) collected in the 1990s (n = 2,413). WDP = well-digested prey; Unid. Fish = unidentified fish.

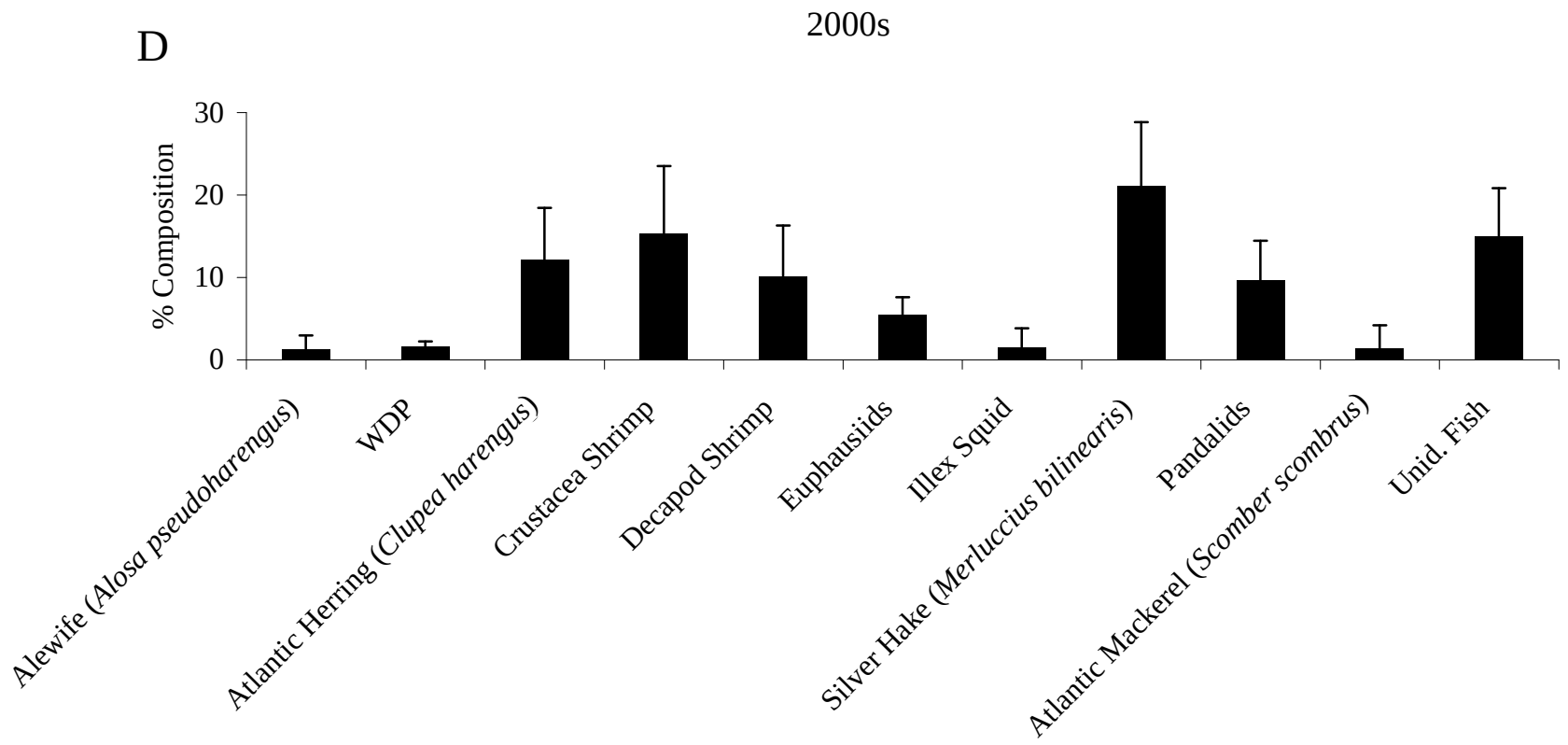

Figure 71D. Percent diet composition by weight of major prey taxa for pollock (*Pollachius virens*) collected in the 2000s (n = 1,198). WDP = well-digested prey; Unid. Fish = unidentified fish.

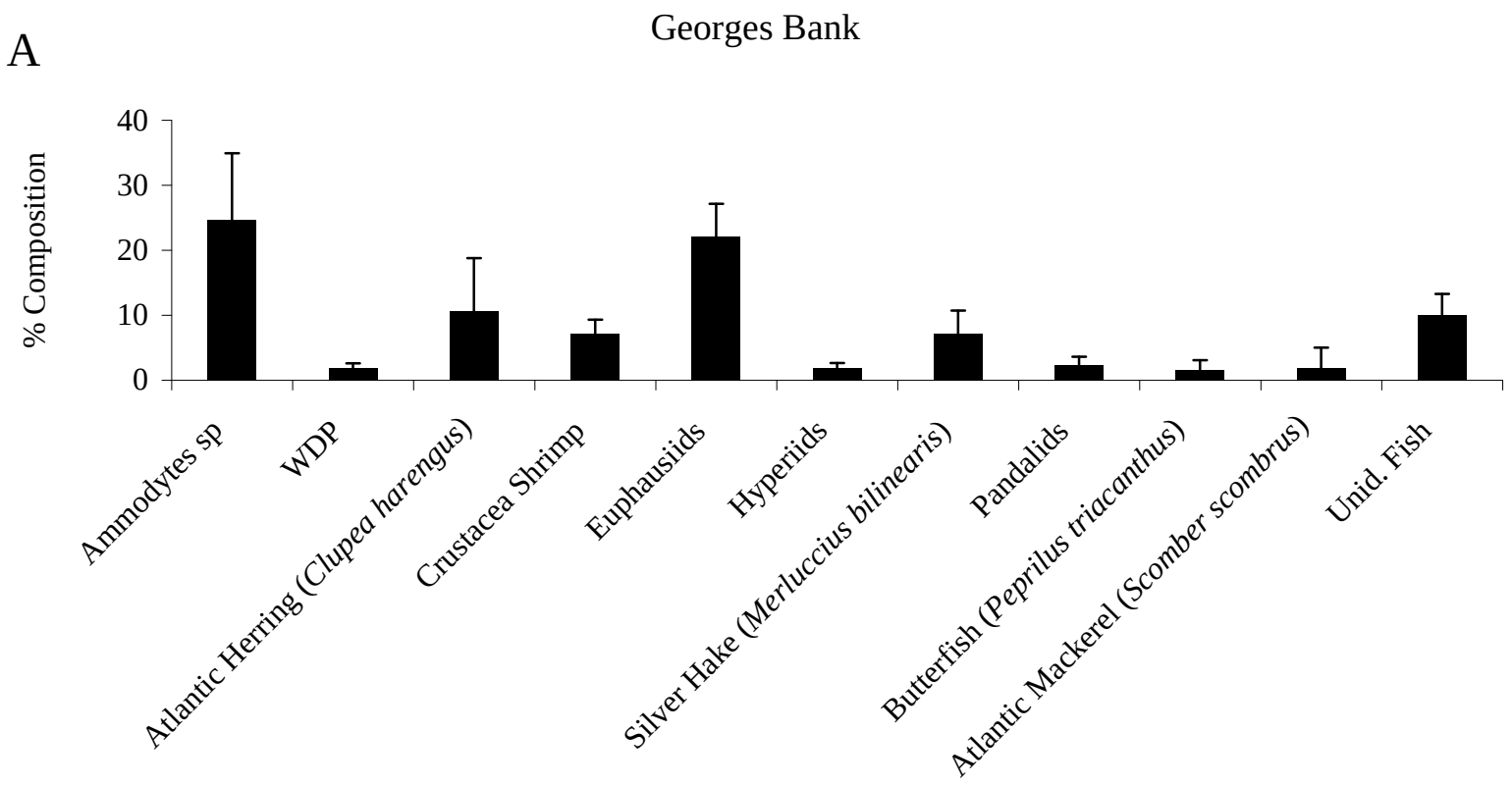

Figure 72A. Percent diet composition by weight of major prey taxa for pollock (*Pollachius virens*) collected on Georges Bank (n = 1,568). WDP = well-digested prey; Unid. Fish = unidentified fish.

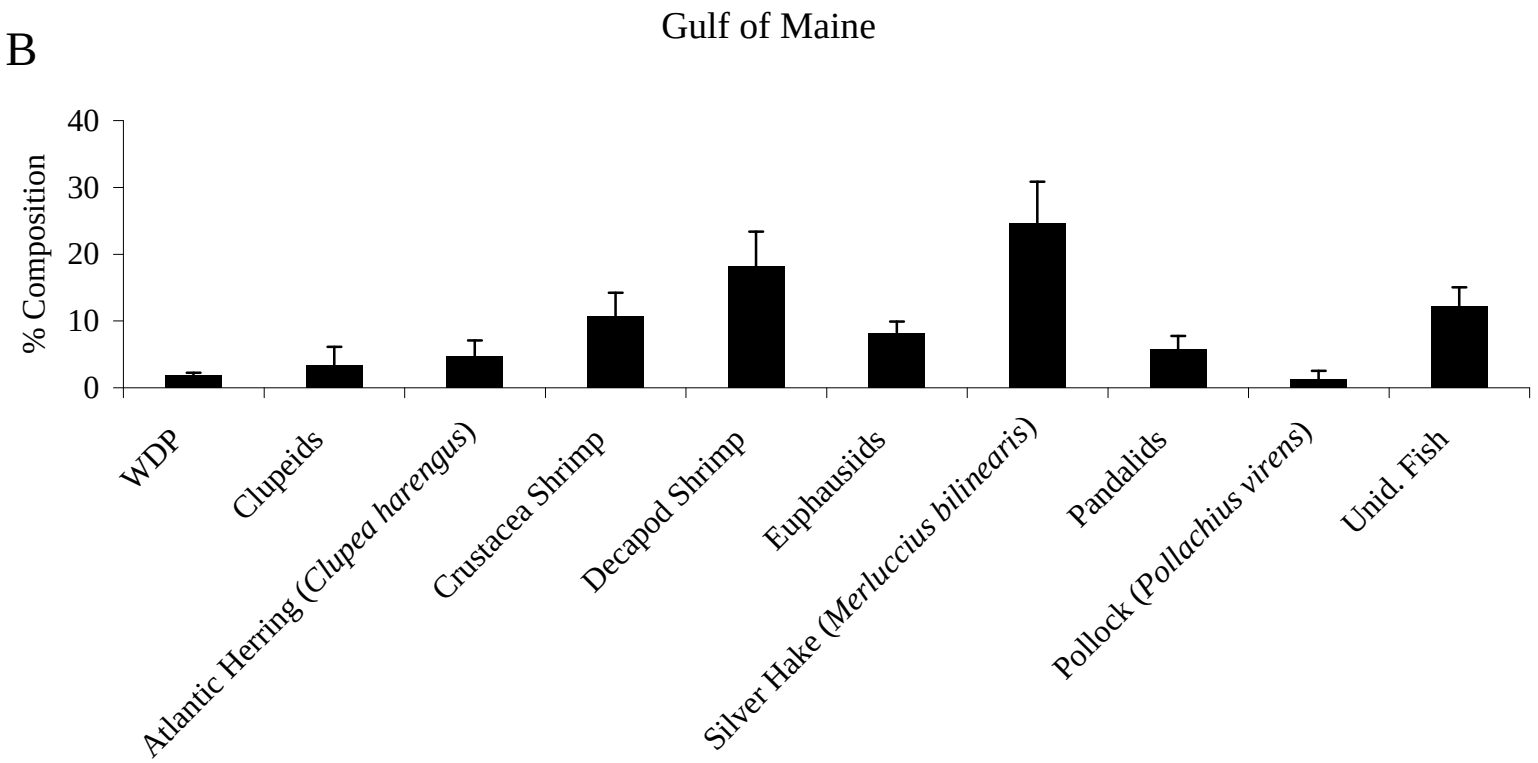

Figure 72B. Percent diet composition by weight of major prey taxa for pollock (*Pollachius virens*) collected collected in the Gulf of Maine (n = 3,132). WDP = well-digested prey; Unid. Fish = unidentified fish.

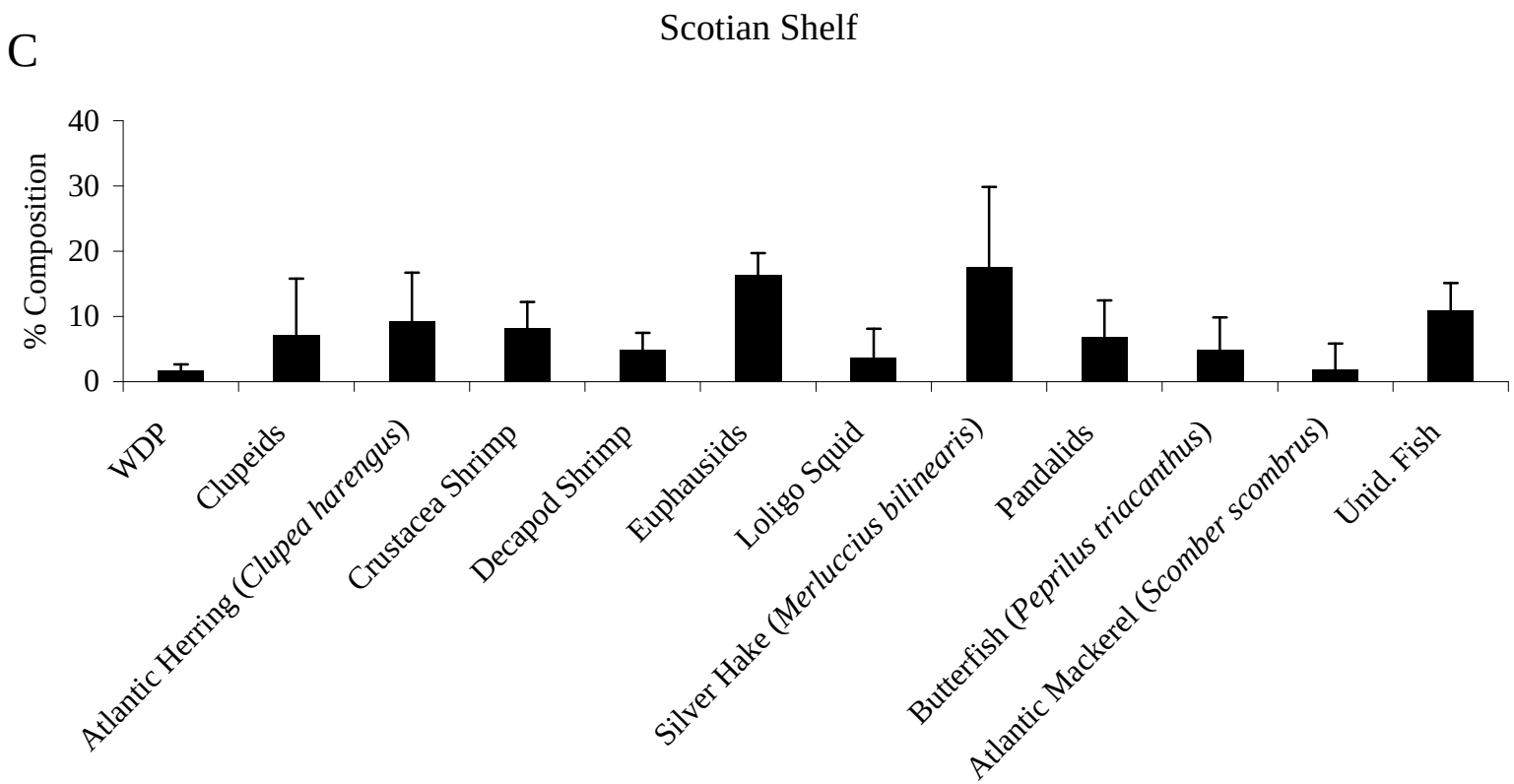

Figure 72C. Percent diet composition by weight of major prey taxa for pollock (*Pollachius virens*) collected on the Scotian Shelf (n = 1,045). WDP = well-digested prey; Unid. Fish = unidentified fish.

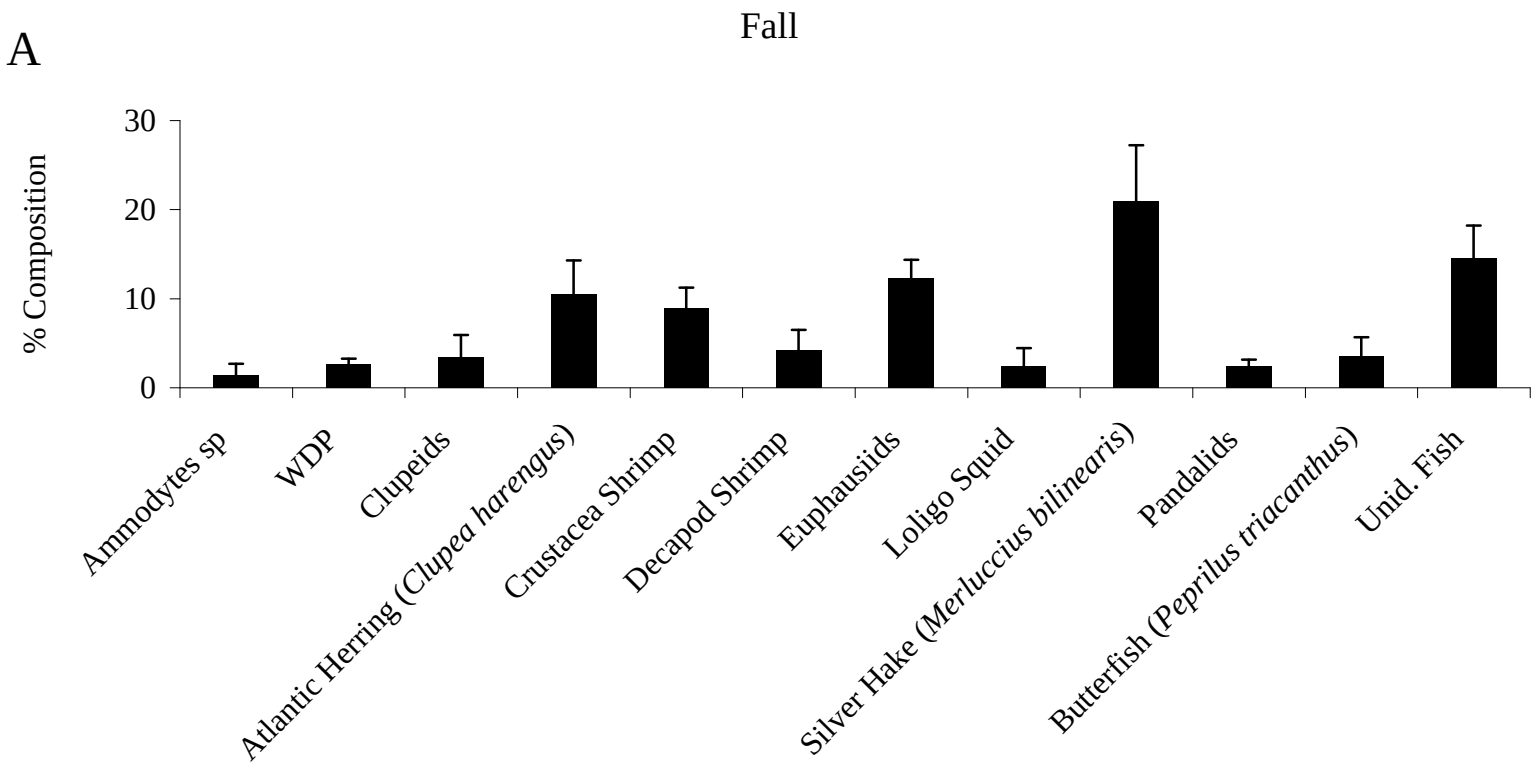

Figure 73A. Percent diet composition by weight of major prey taxa for pollock (*Pollachius virens*) collected in the fall (n = 2,551). WDP = well-digested prey; Unid. Fish = unidentified fish.

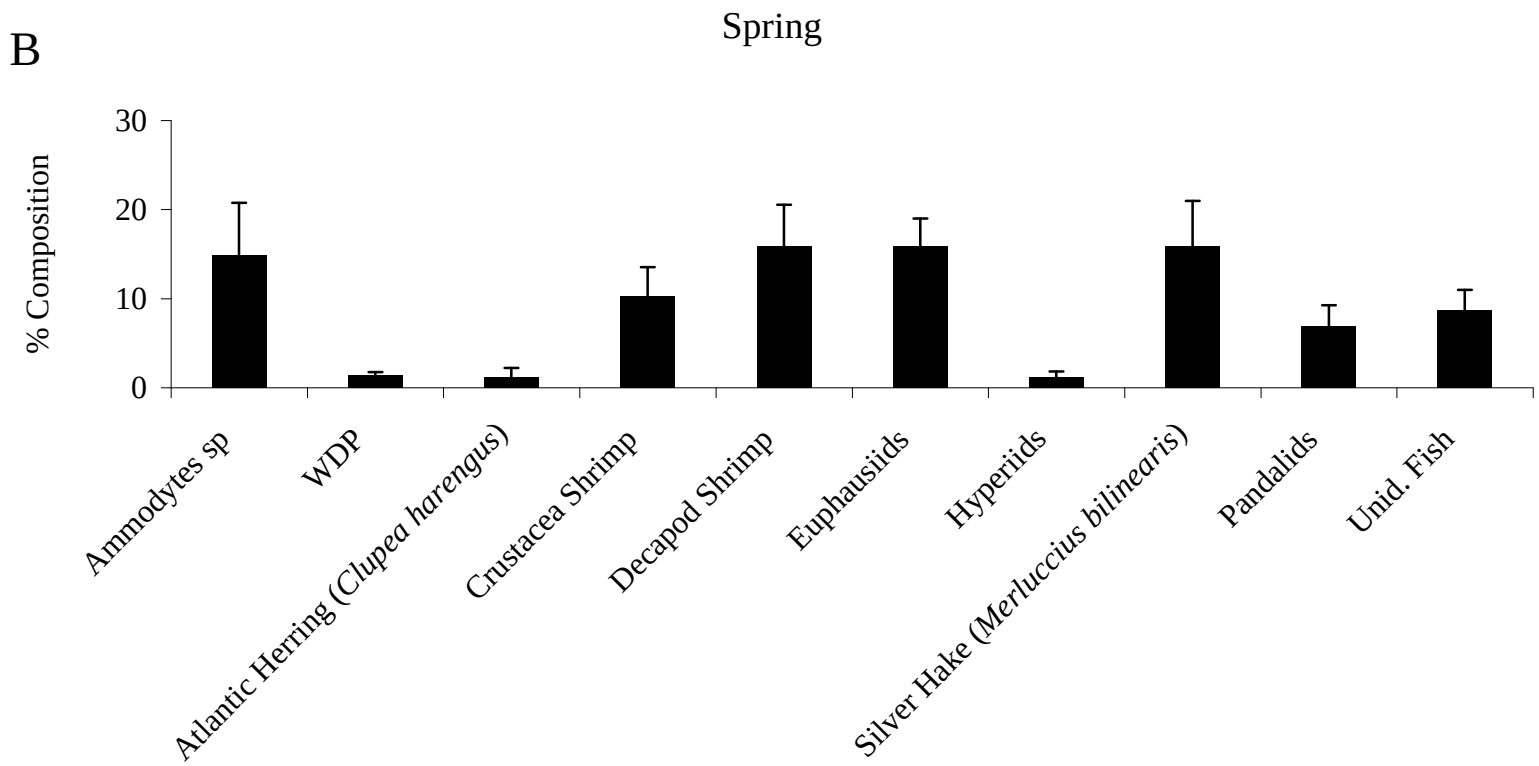

Figure 73B. Percent diet composition by weight of major prey taxa for pollock (*Pollachius virens*) collected in the spring (n = 2,980). WDP = well-digested prey; Unid. Fish = unidentified fish.

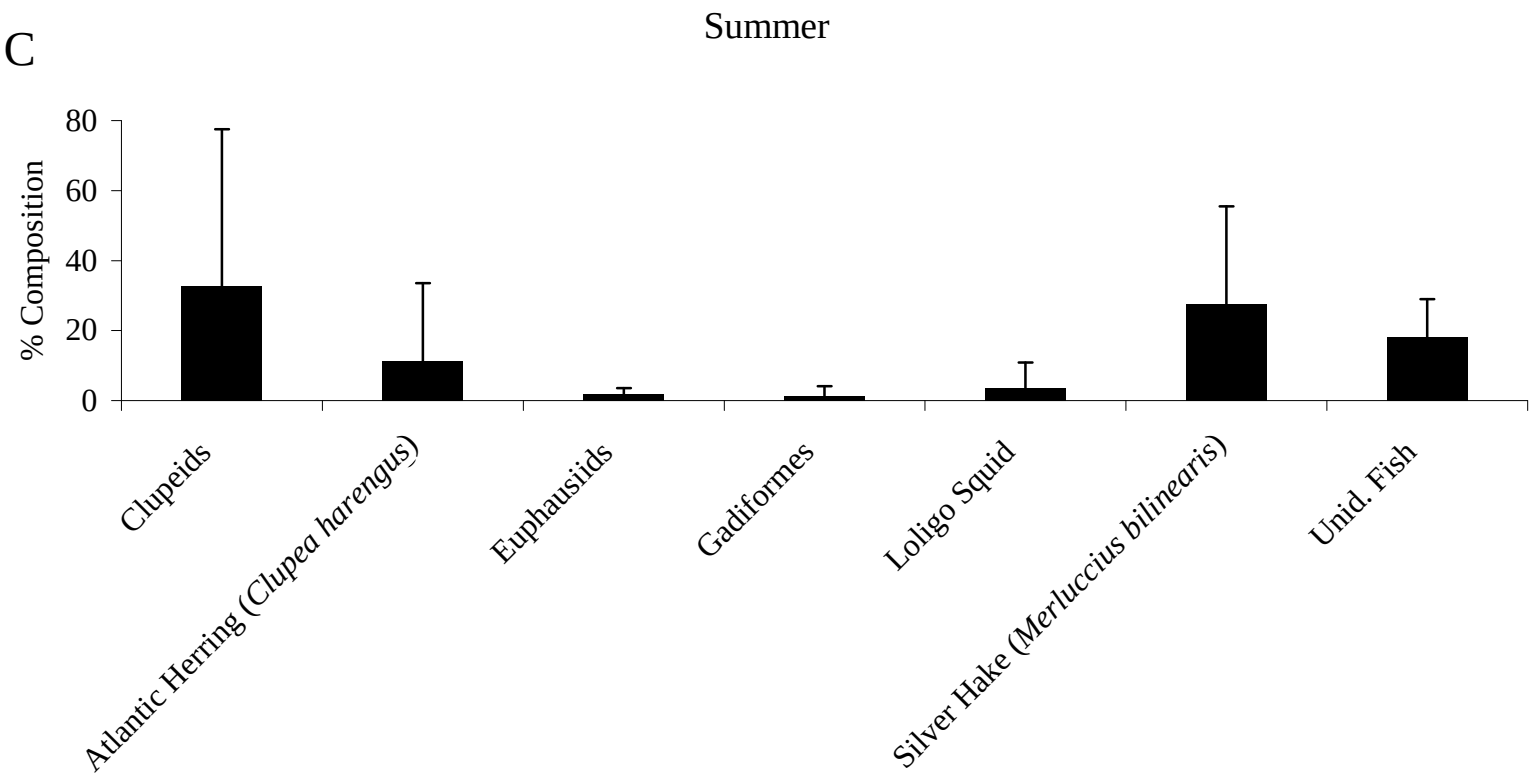

Figure 73C. Percent diet composition by weight of major prey taxa for pollock (*Pollachius virens*) collected in the summer (n = 263). Unid. Fish = unidentified fish.

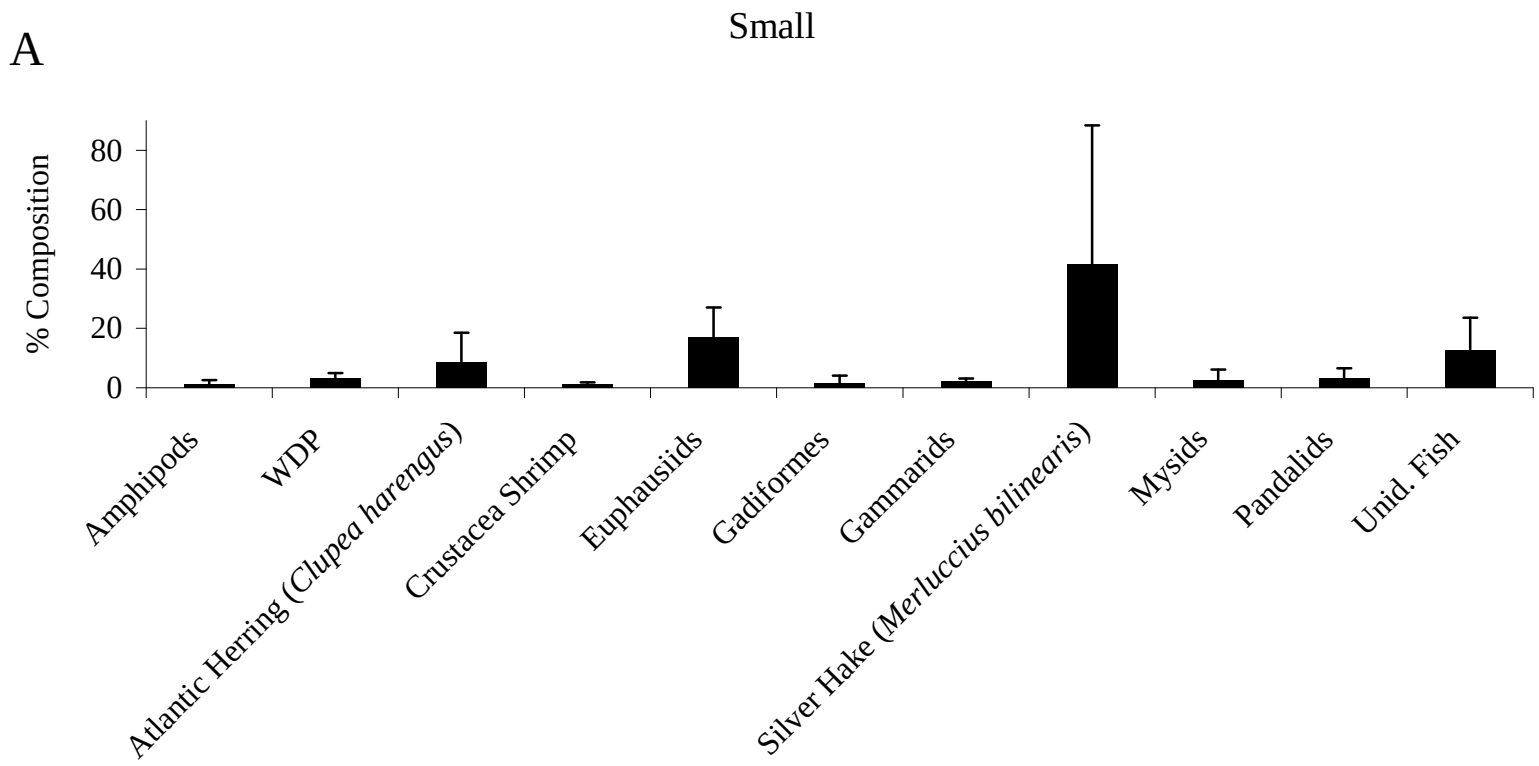

Figure 74A. Percent diet composition by weight of major prey taxa for pollock (*Pollachius virens*) in the small size class (n = 772). WDP = well-digested prey; Unid. Fish = unidentified fish.

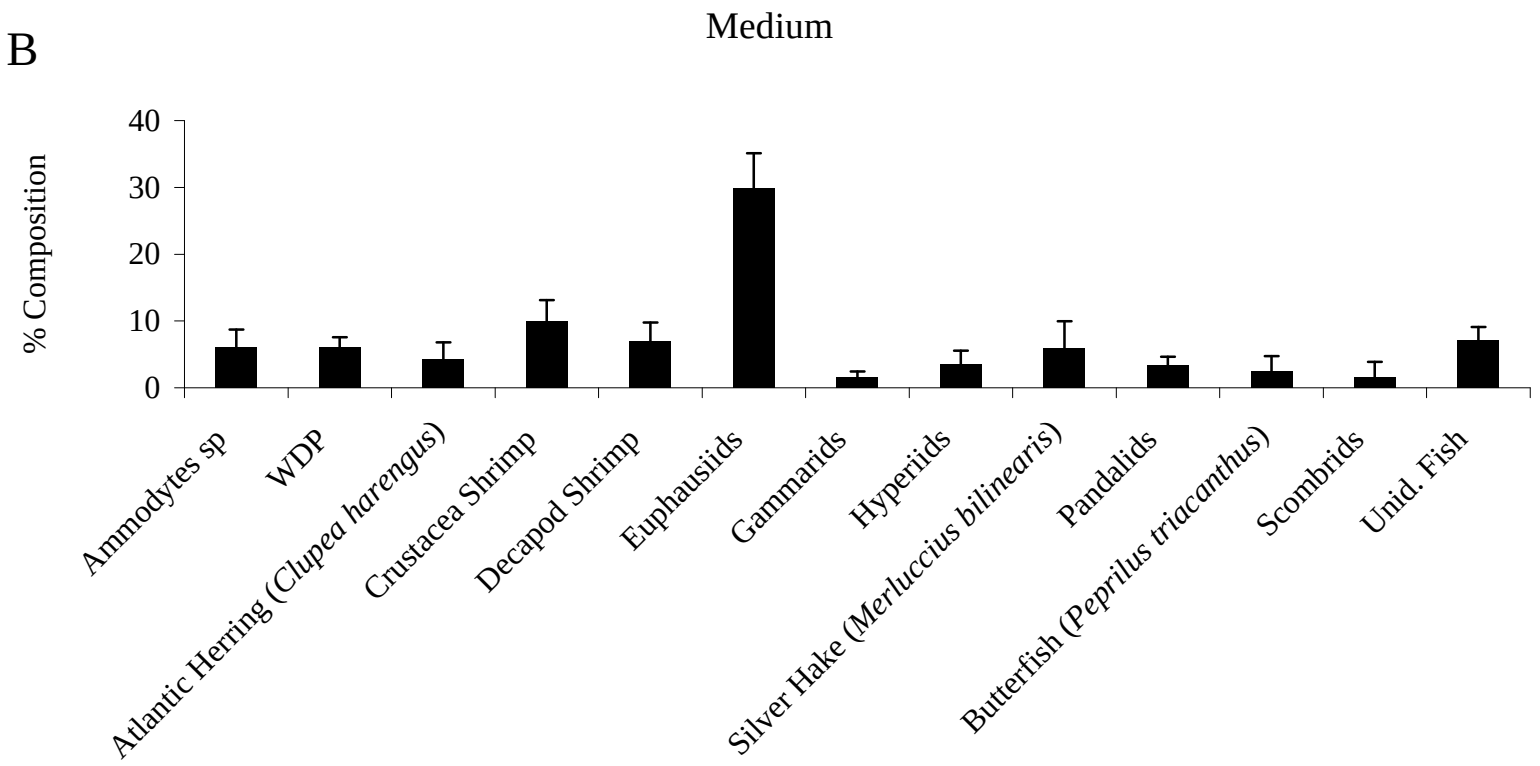

Figure 74B. Percent diet composition by weight of major prey taxa for pollock (*Pollachius virens*) in the medium size class (n = 2,503). WDP = well-digested prey; Unid. Fish = unidentified fish.

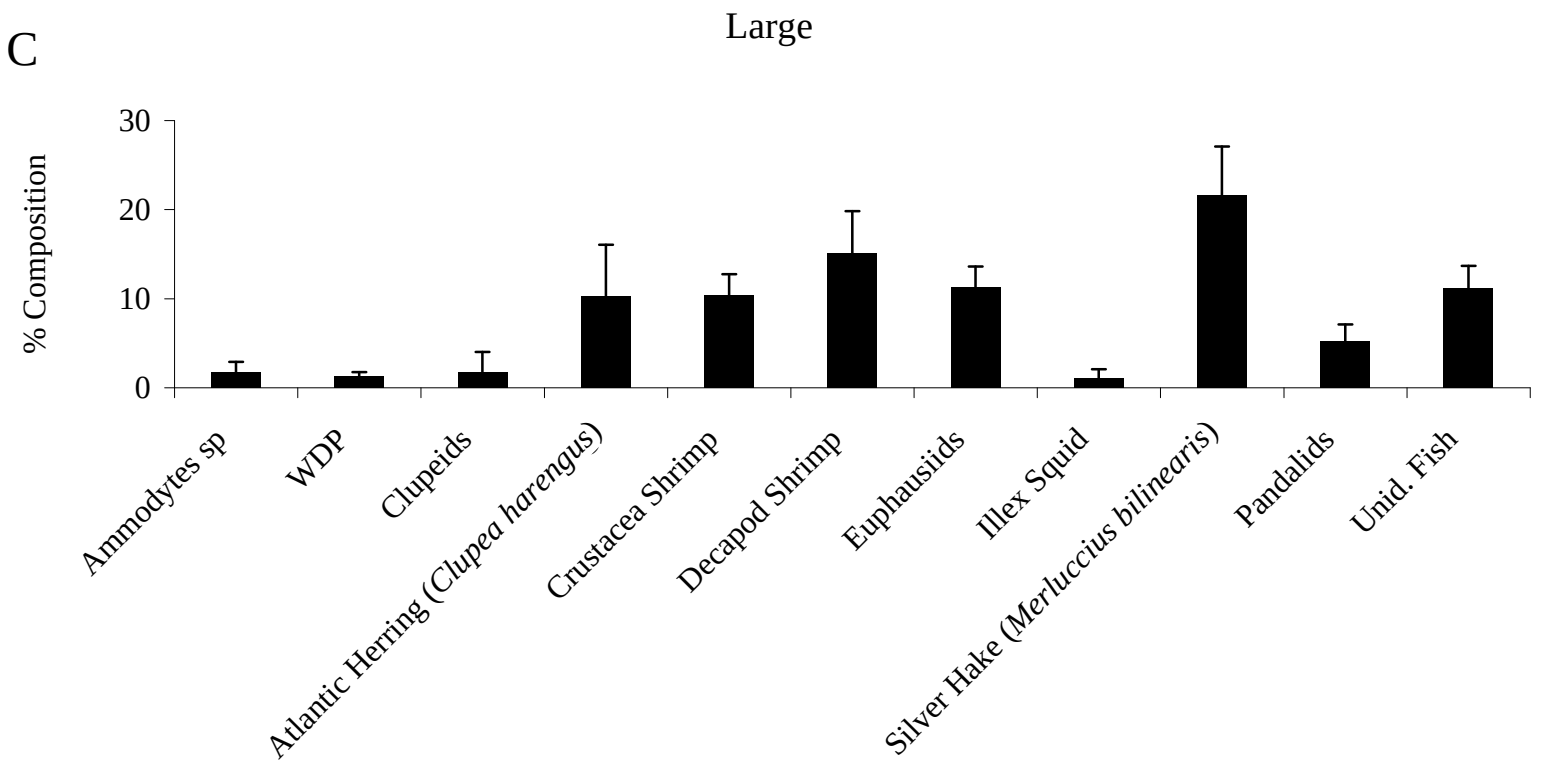

Figure 74C. Percent diet composition by weight of major prey taxa for pollock (*Pollachius virens*) in the large size class (n = 1,918). WDP = well-digested prey; Unid. Fish = unidentified fish.

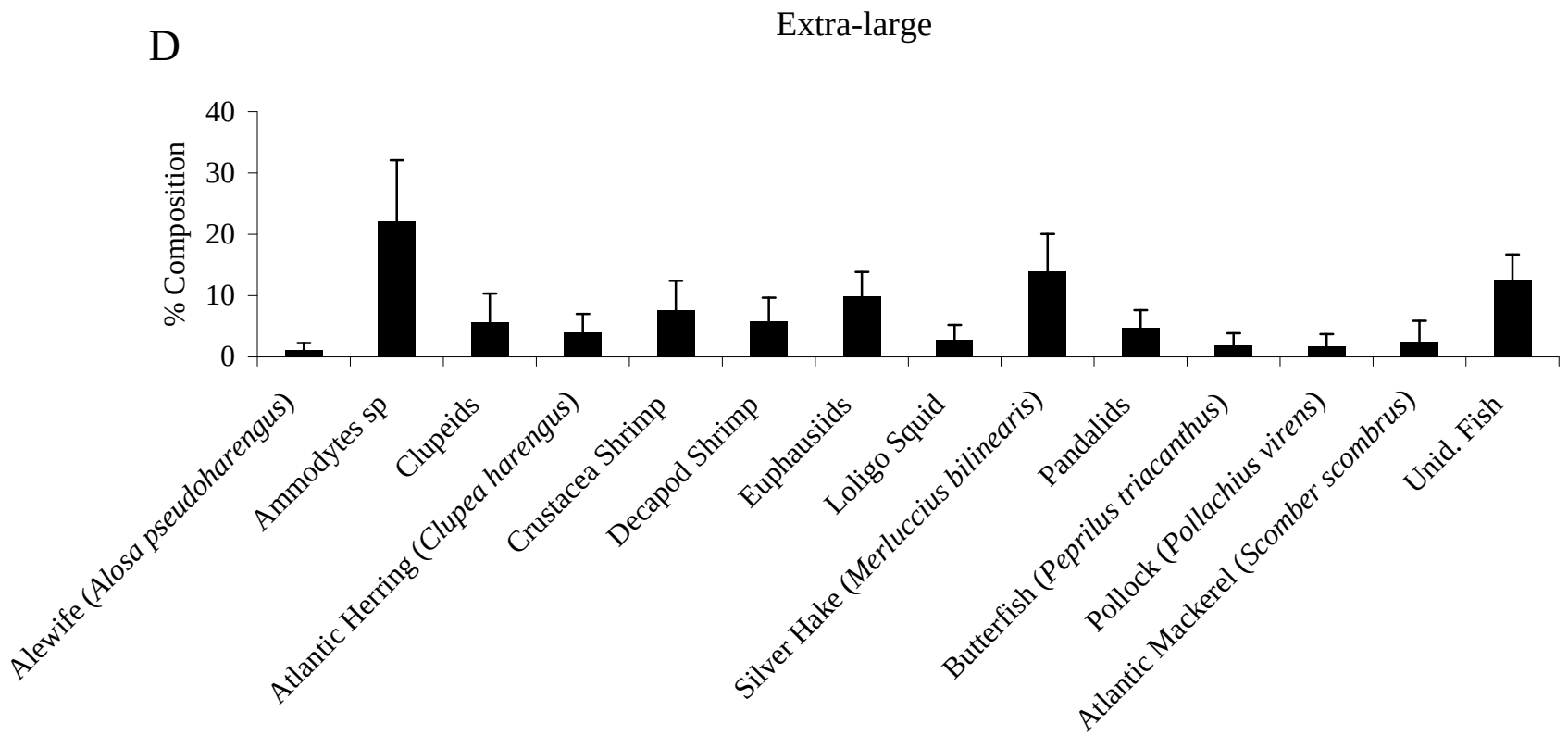

Figure 74D. Percent diet composition by weight of major prey taxa for pollock (*Pollachius virens*) in the extra-large size class (n = 627). Unid. Fish = unidentified fish.

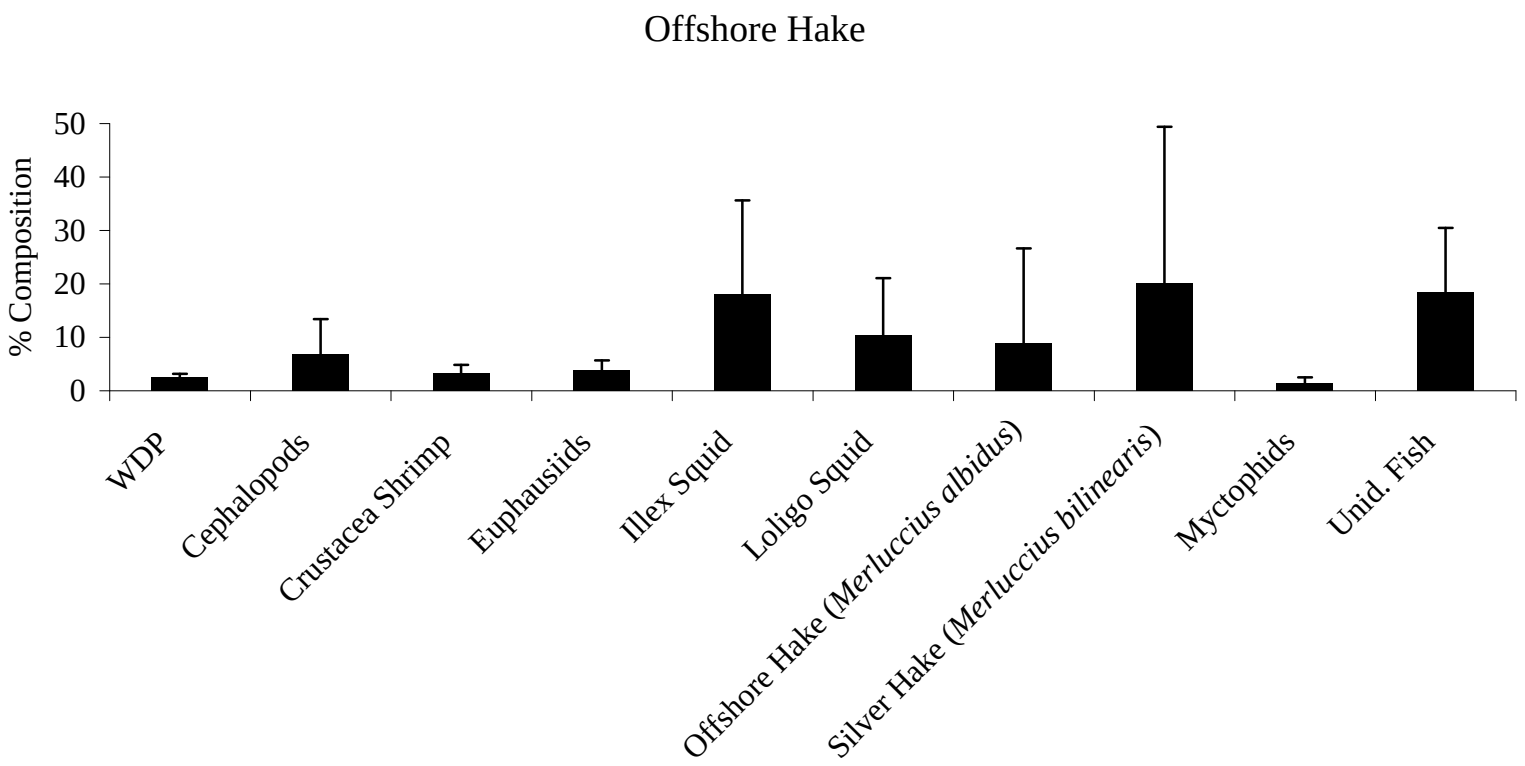

Figure 75. Percent diet composition by weight of major prey taxa for offshore hake (*Merluccius albidus*; n = 800). WDP = well-digested prey; Unid. Fish = unidentified fish.

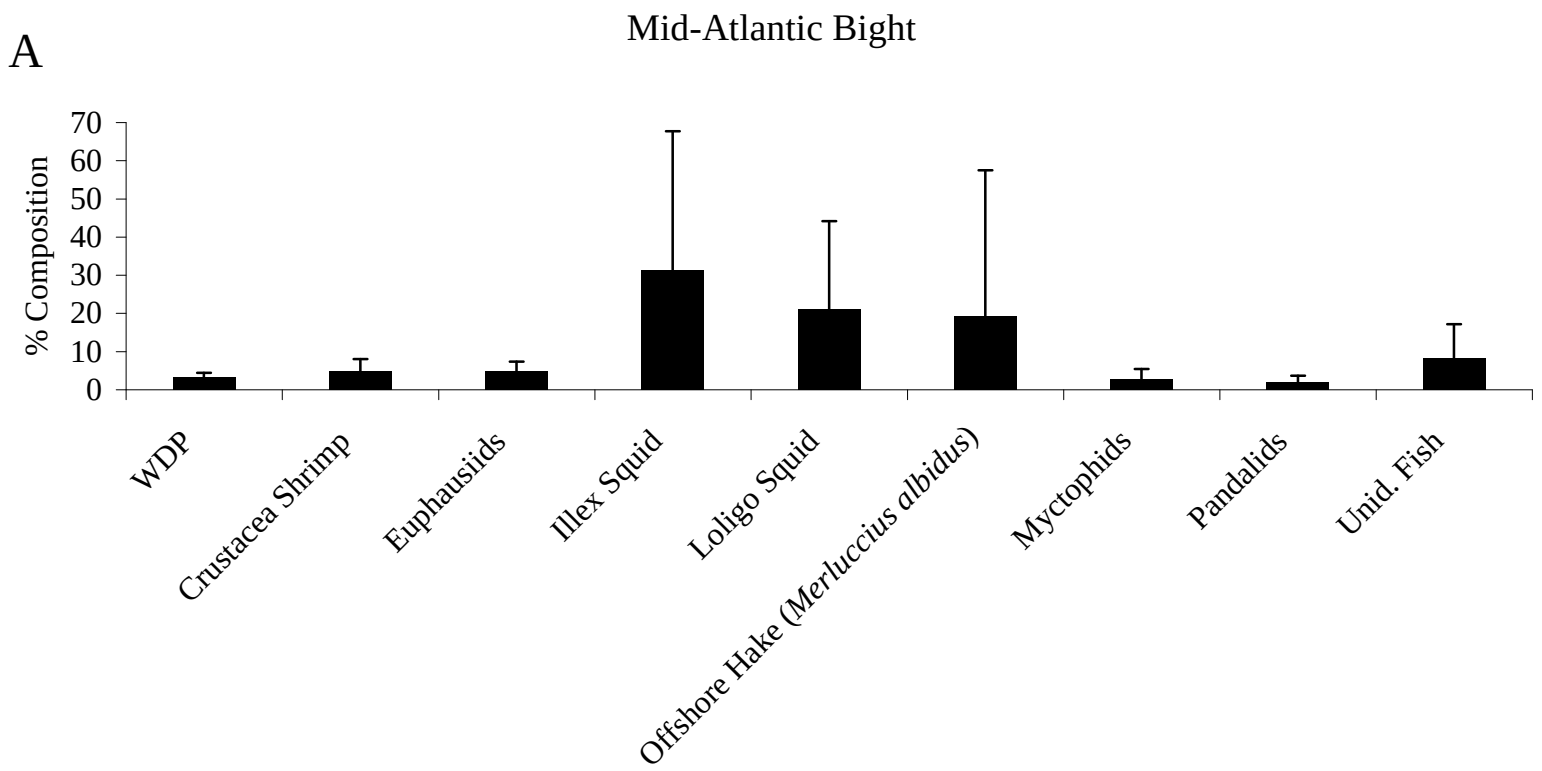

Figure 76A. Percent diet composition by weight of major prey taxa for offshore hake (*Merluccius albidus*) collected in the Mid-Atlantic Bight (n = 404). WDP = well-digested prey; Unid. Fish = unidentified fish.

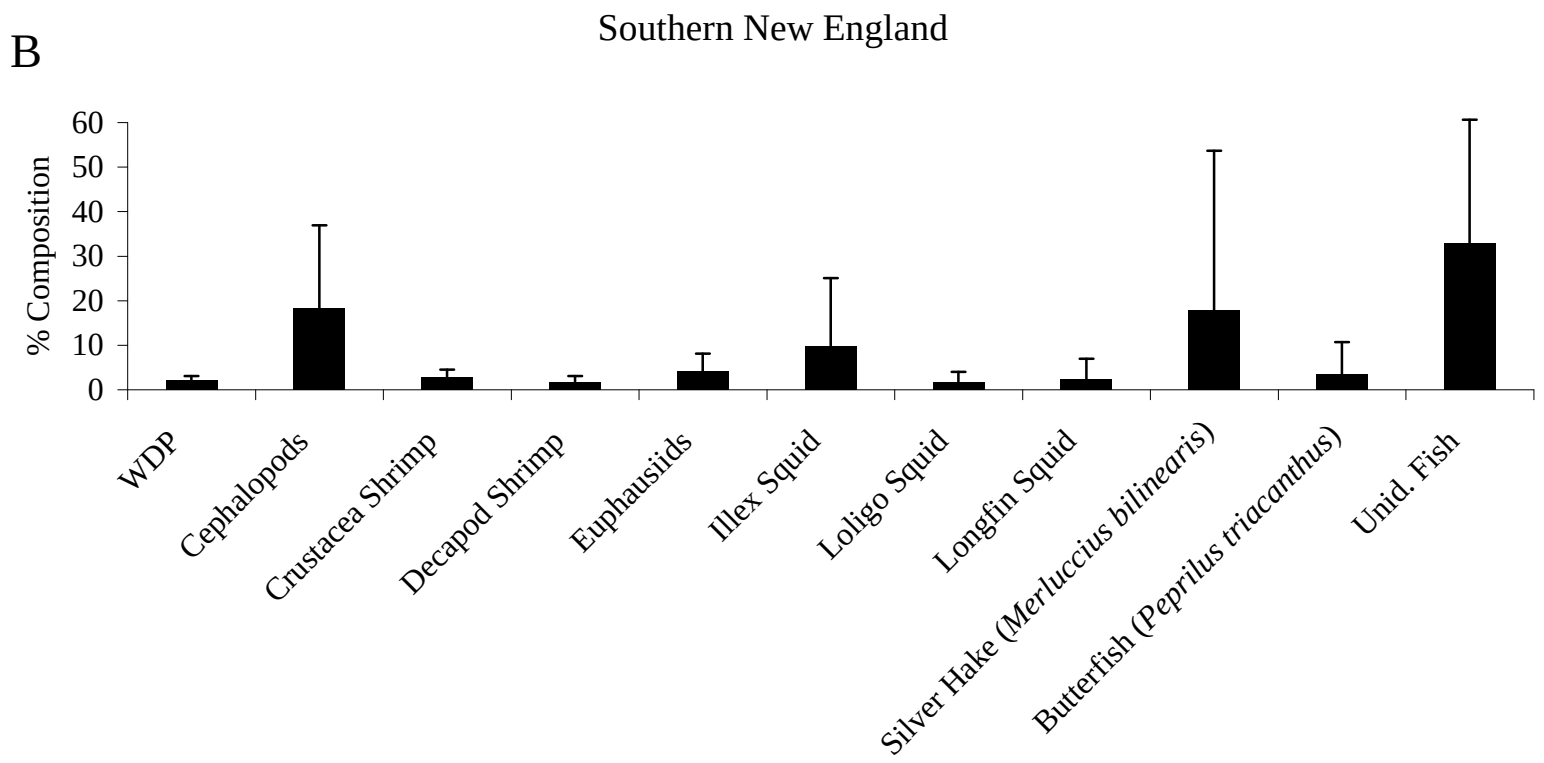

Figure 76B. Percent diet composition by weight of major prey taxa for offshore hake (*Merluccius albidus*) collected in Southern New England (n = 345). WDP = well-digested prey; Unid. Fish = unidentified fish.

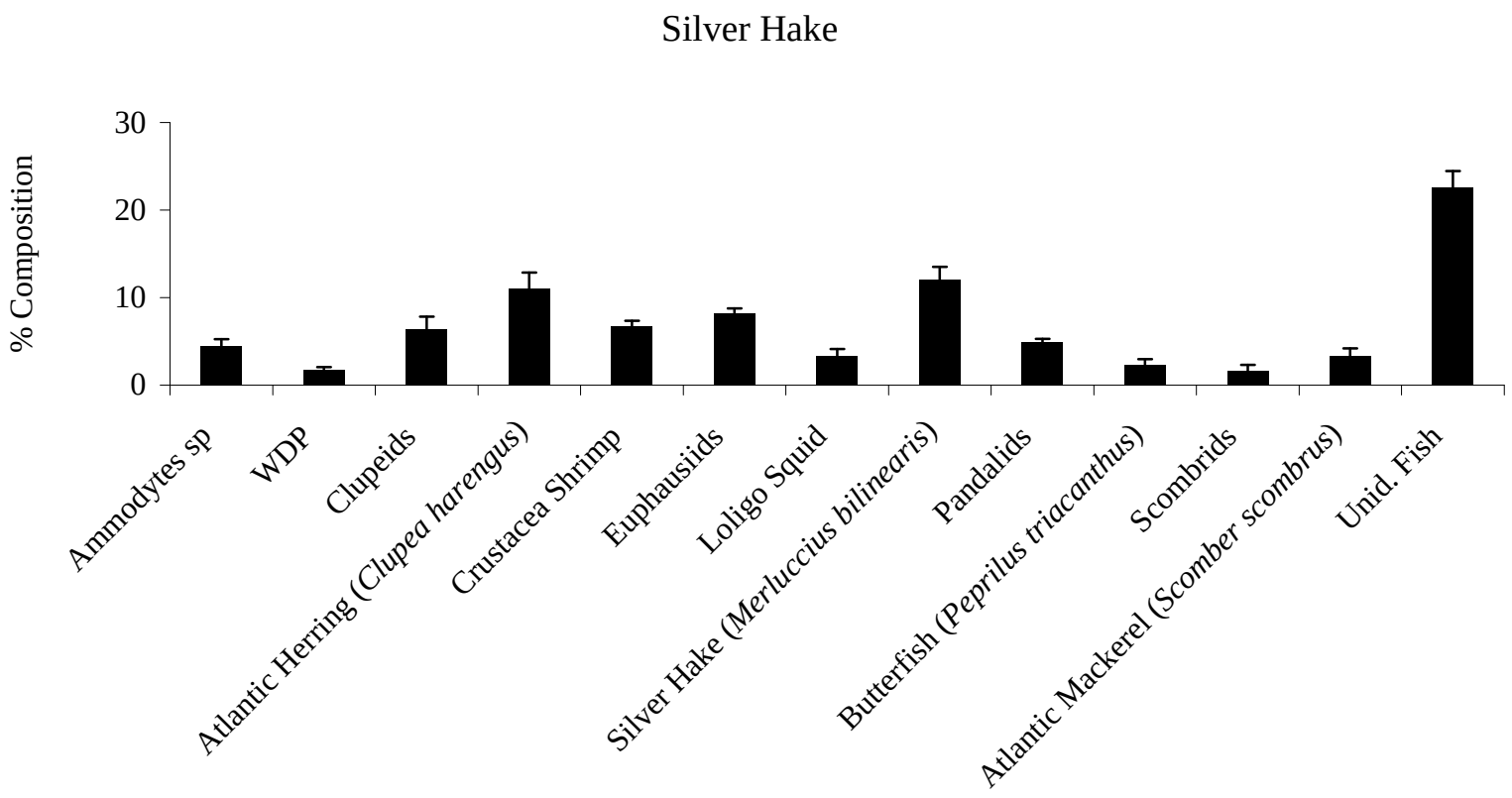

Figure 77. Percent diet composition by weight of major prey taxa for silver hake (*Merluccius bilinearis*; n = 47,837). WDP = well-digested prey; Unid. Fish = unidentified fish.

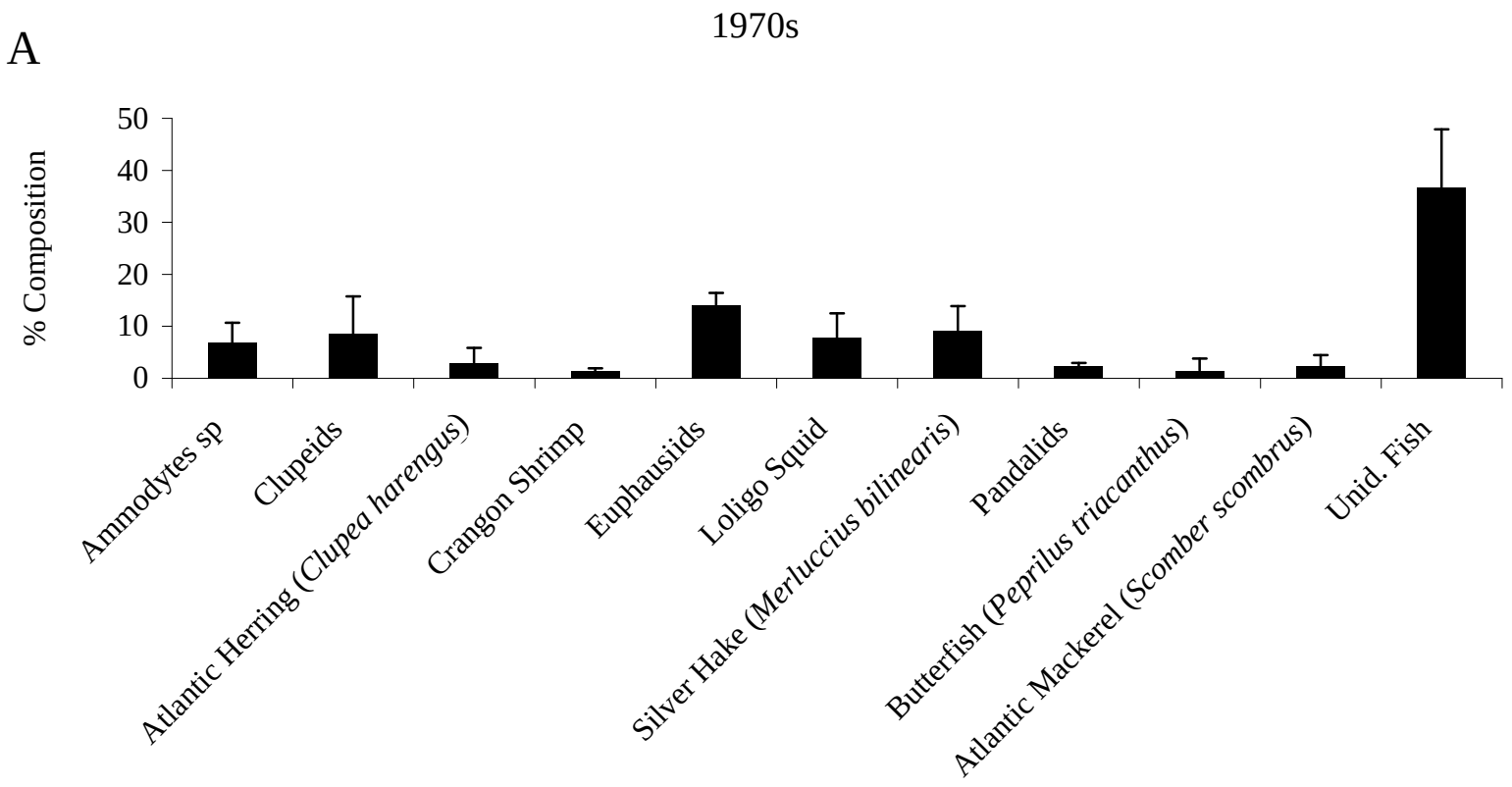

Figure 78A. Percent diet composition by weight of major prey taxa for silver hake (*Merluccius bilinearis*) collected in the 1970s (n = 4,277). Unid. Fish = unidentified fish.

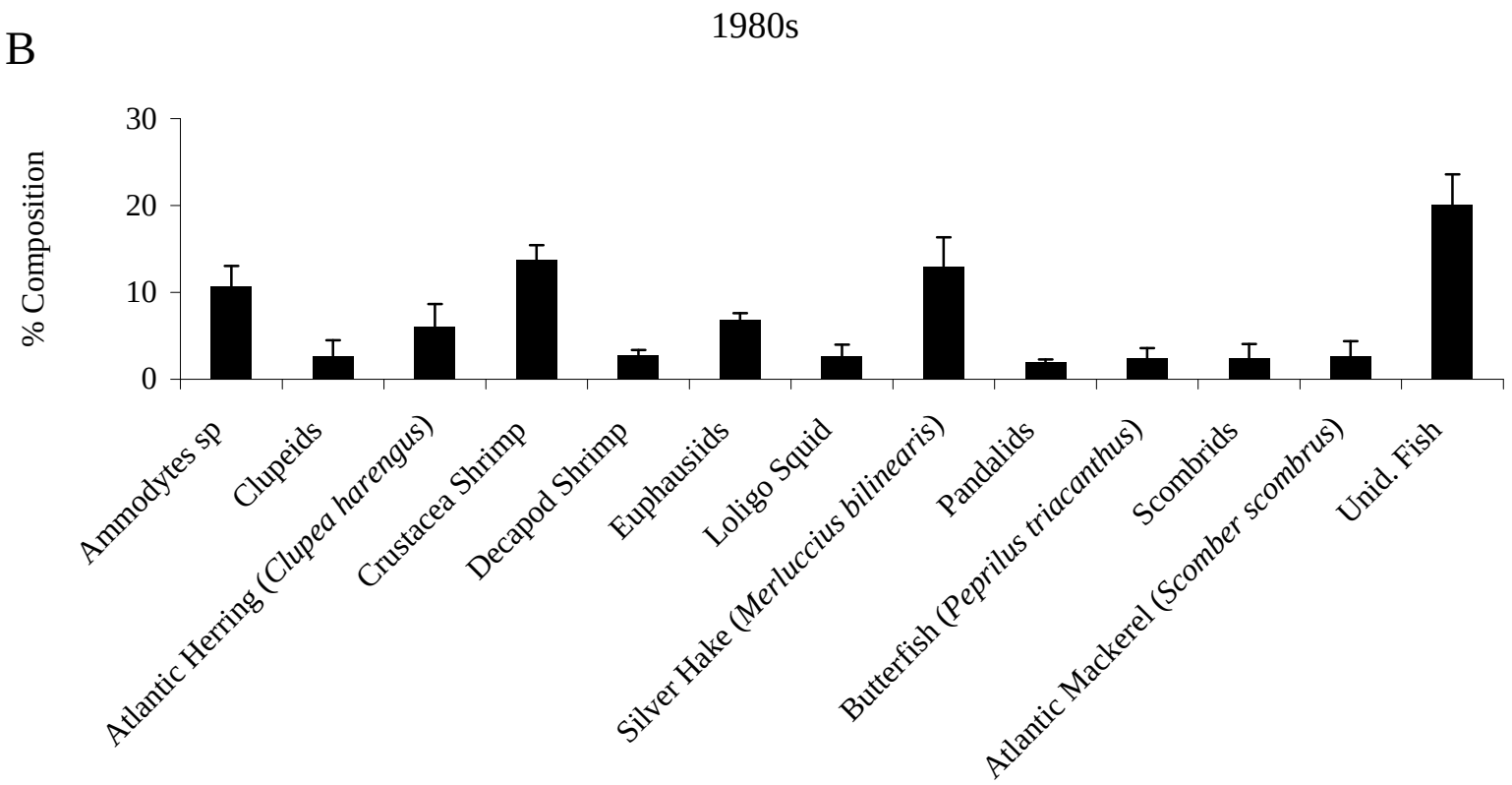

Figure 78B. Percent diet composition by weight of major prey taxa for silver hake (*Merluccius bilinearis*) collected in the 1980s (n = 12,679). Unid. Fish = unidentified fish.

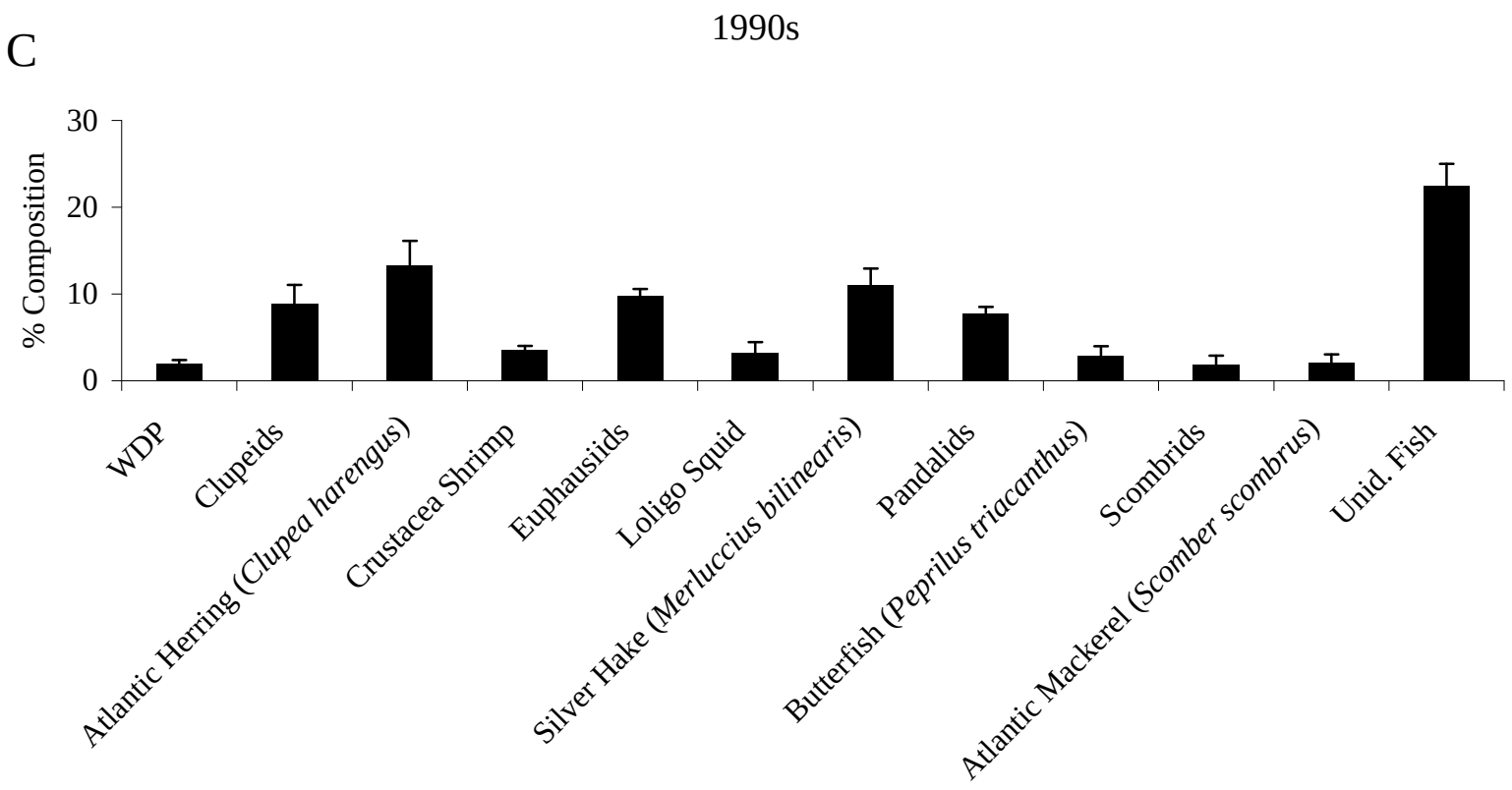

Figure 78C. Percent diet composition by weight of major prey taxa for silver hake (*Merluccius bilinearis*) collected in the 1990s (n = 22,779). WDP = well-digested prey; Unid. Fish = unidentified fish.

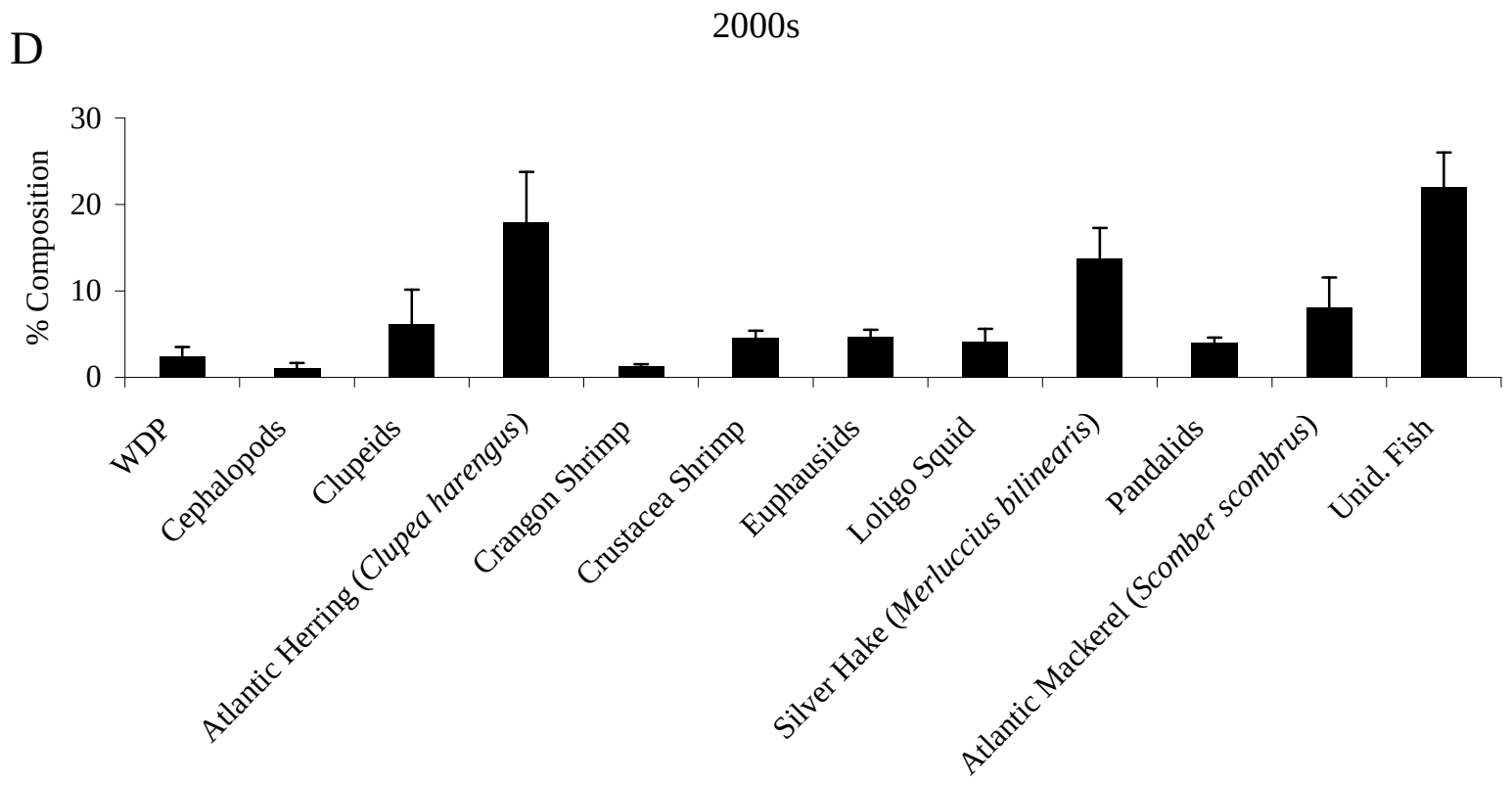

Figure 78D. Percent diet composition by weight of major prey taxa for silver hake (*Merluccius bilinearis*) collected in the 2000s (n = 8,102). WDP = well-digested prey; Unid. Fish = unidentified fish.

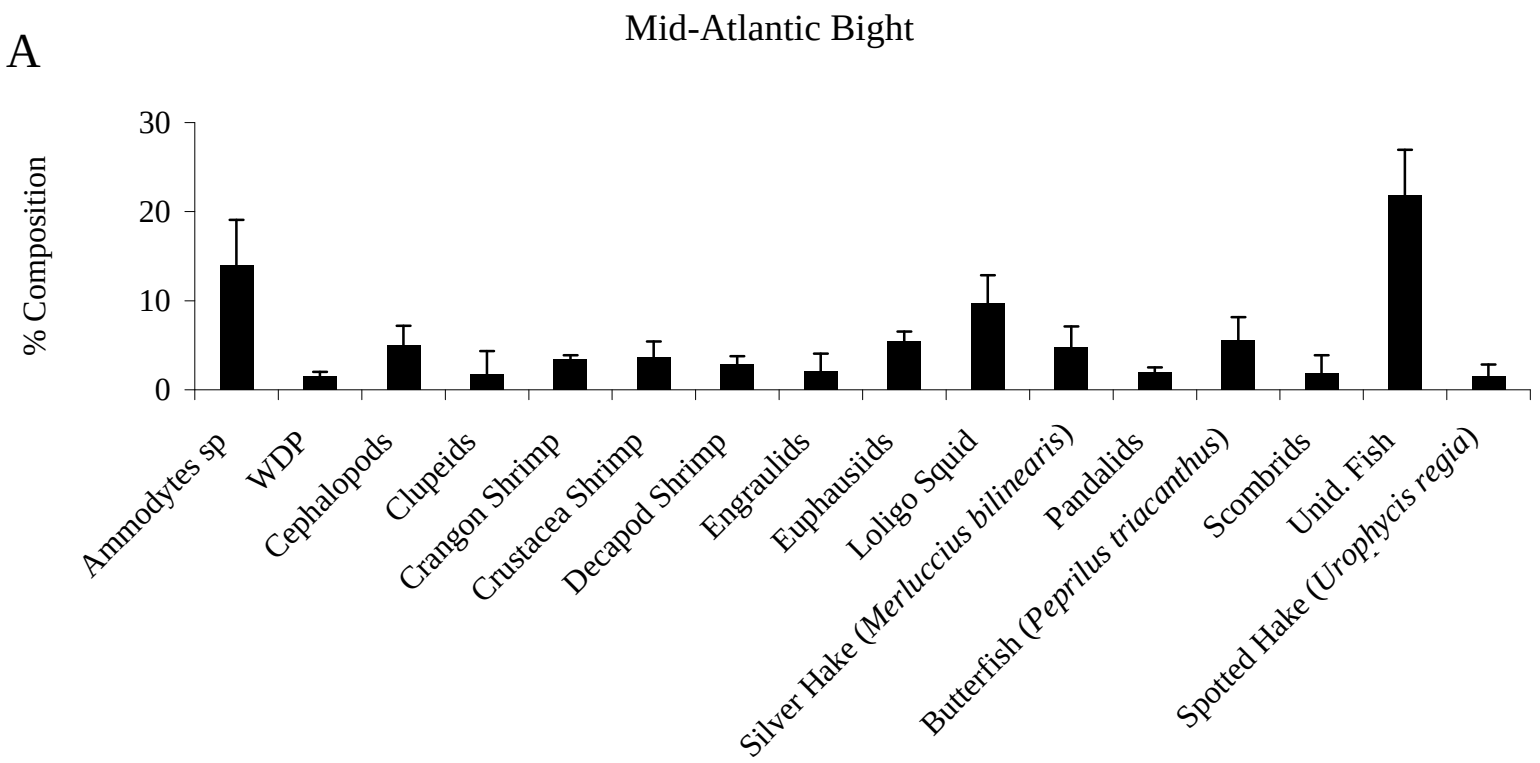

Figure 79A. Percent diet composition by weight of major prey taxa for silver hake (*Merluccius bilinearis*) collected in the Mid-Atlantic Bight (n = 5,007). WDP = well-digested prey; Unid. Fish = unidentified fish.

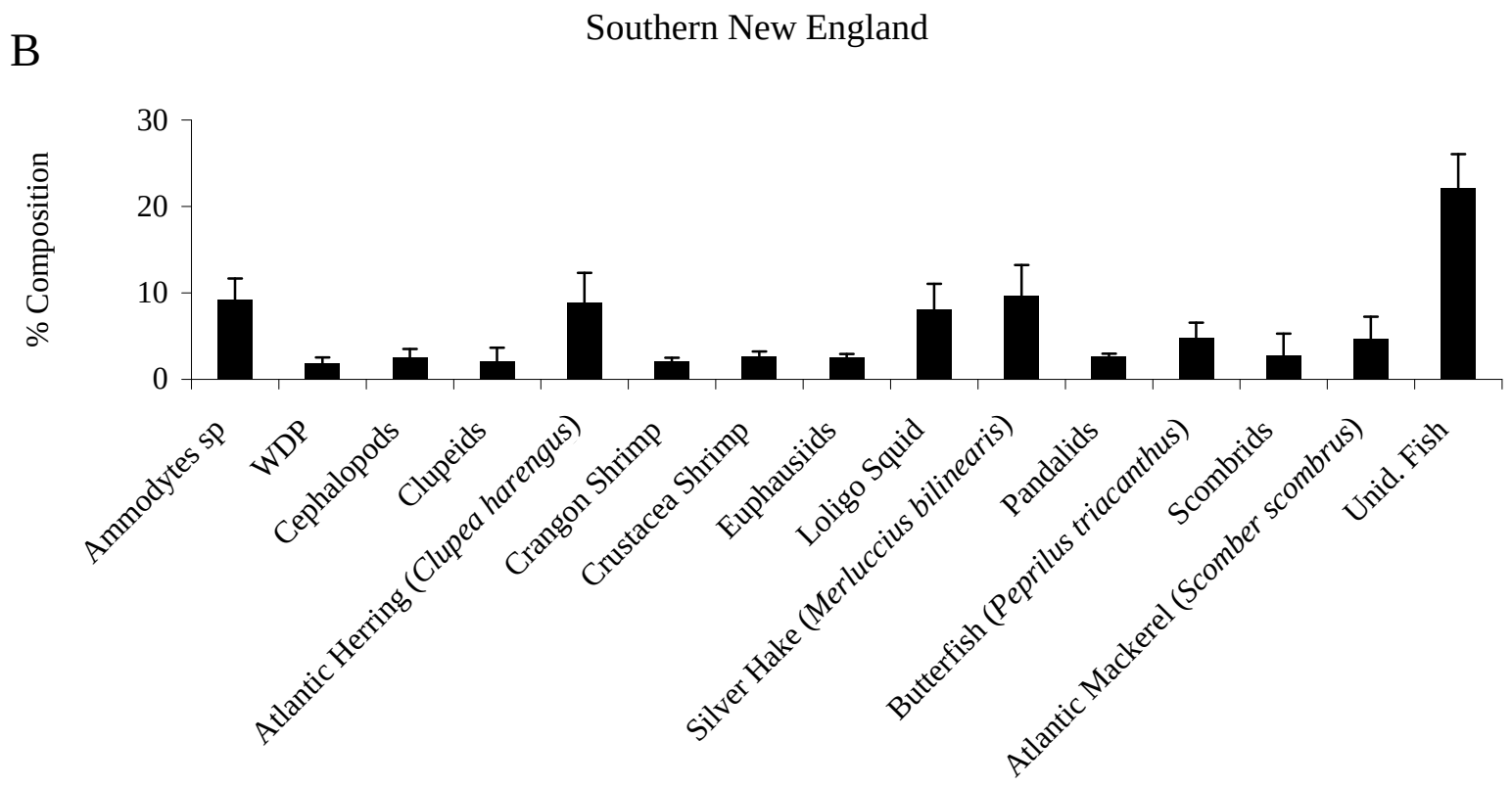

Figure 79B. Percent diet composition by weight of major prey taxa for silver hake (*Merluccius bilinearis*) collected in Southern New England (n = 10,624). WDP = well-digested prey; Unid. Fish = unidentified fish.

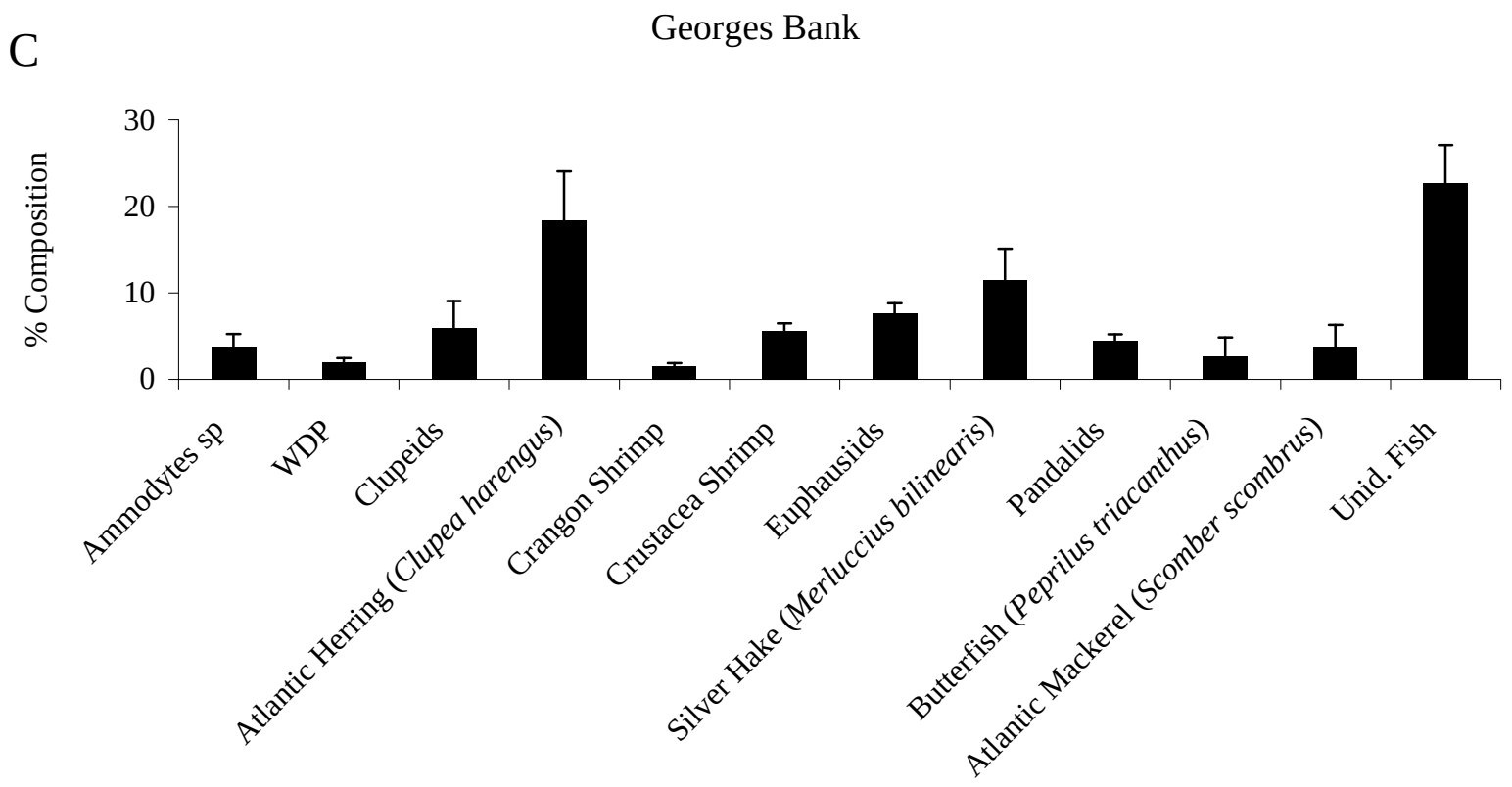

Figure 79C. Percent diet composition by weight of major prey taxa for silver hake (*Merluccius bilinearis*) collected on Georges Bank (n = 8,670). WDP = well-digested prey; Unid. Fish = unidentified fish.

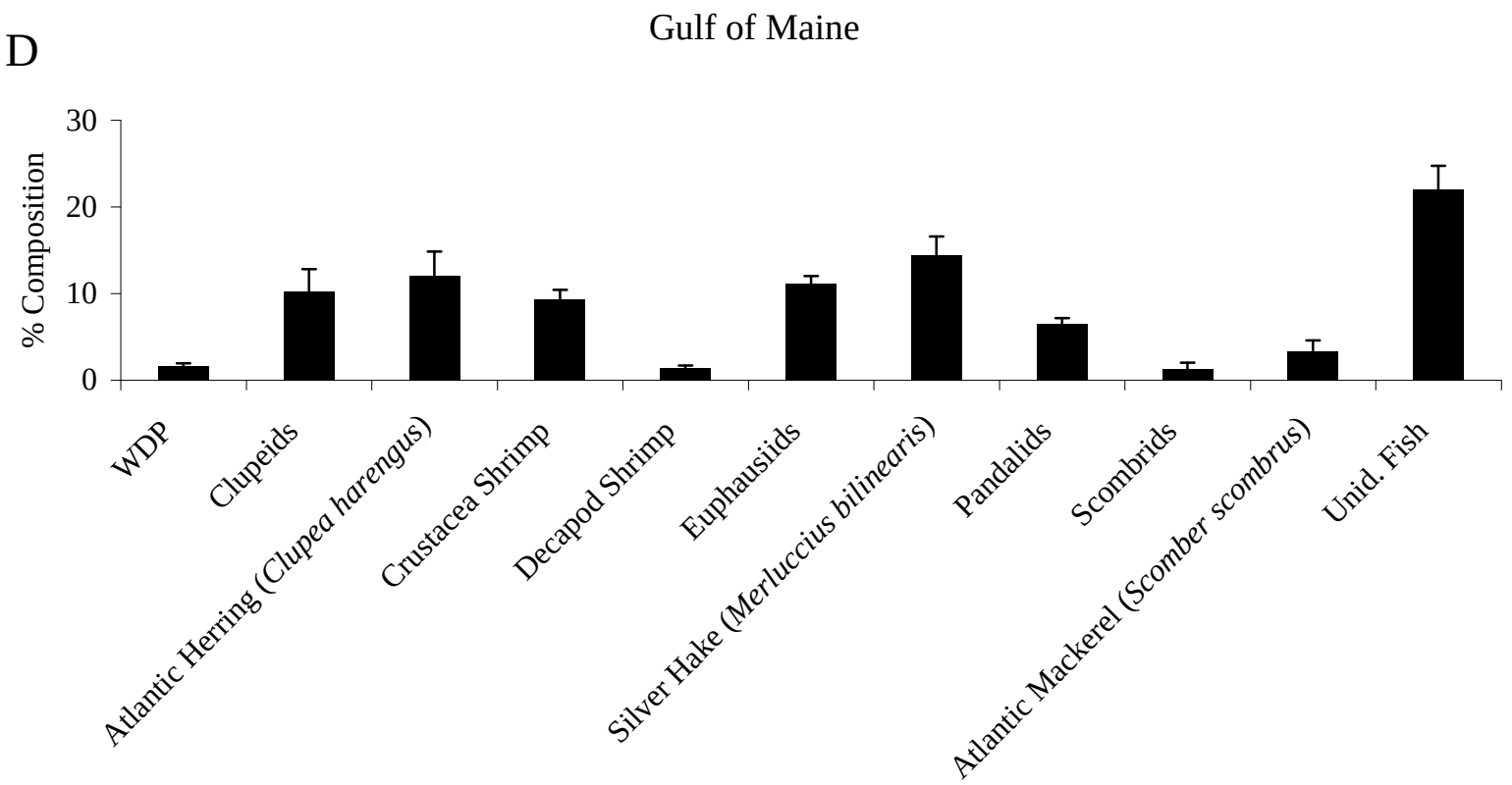

Figure 79D. Percent diet composition by weight of major prey taxa for silver hake (*Merluccius bilinearis*) collected in the Gulf of Maine (n = 21,204). WDP = well-digested prey; Unid. Fish = unidentified fish.

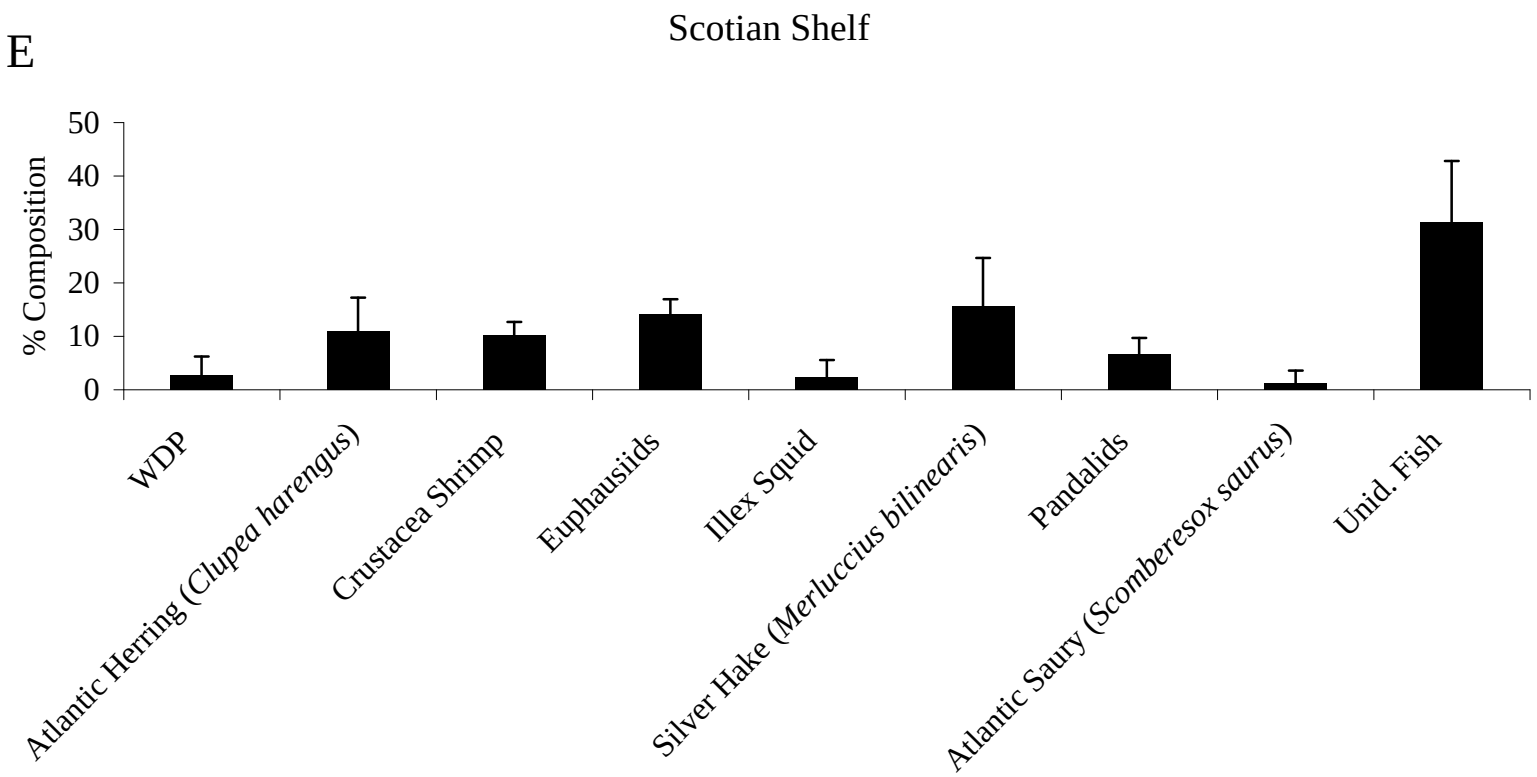

Figure 79E. Percent diet composition by weight of major prey taxa for silver hake (*Merluccius bilinearis*) collected on the Scotian Shelf (n = 2,290). WDP = well-digested prey; Unid. Fish = unidentified fish.

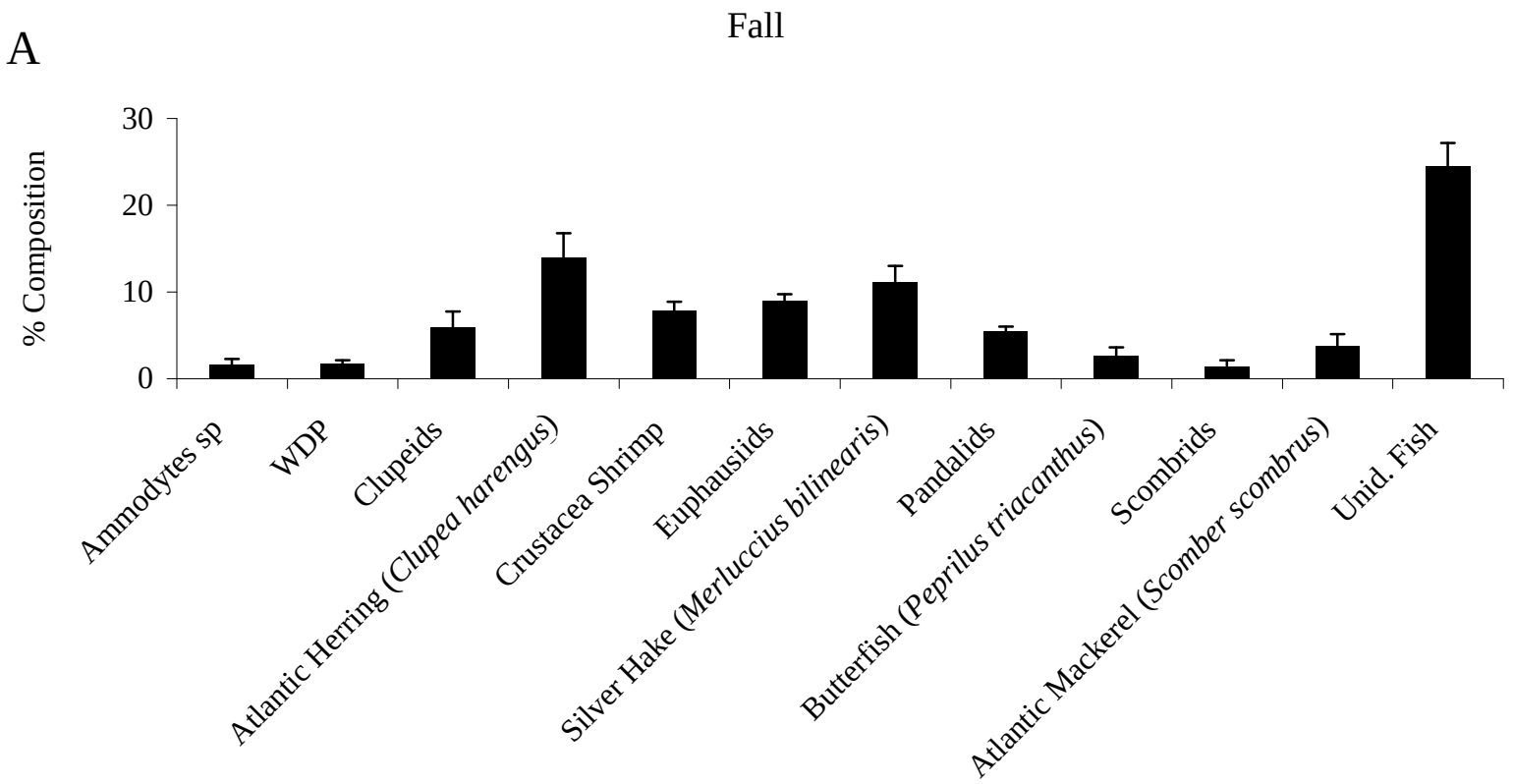

Figure 80A. Percent diet composition by weight of major prey taxa for silver hake (*Merluccius bilinearis*) collected in the fall (n = 21,465). WDP = well-digested prey; Unid. Fish = unidentified fish.

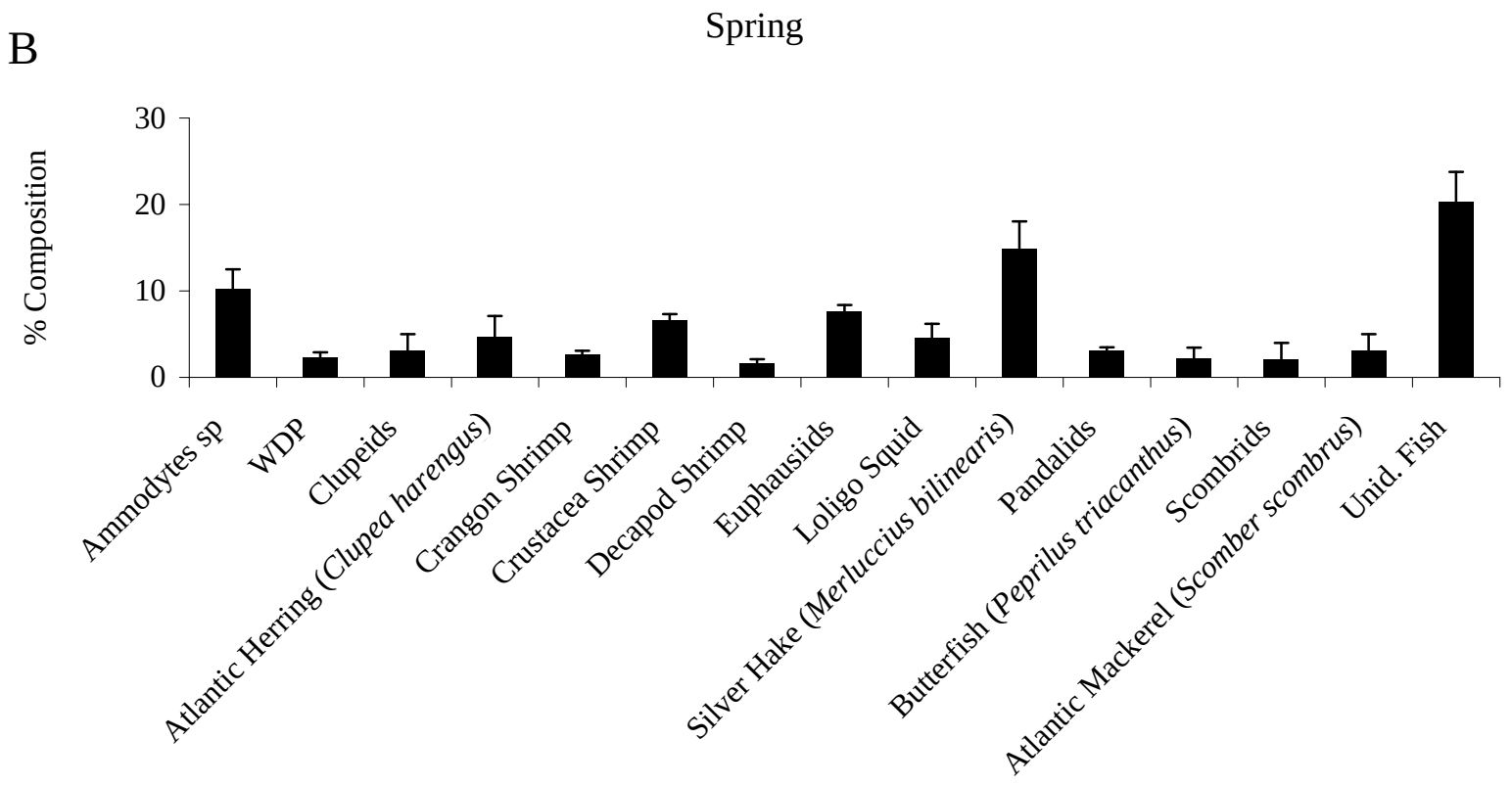

Figure 80B. Percent diet composition by weight of major prey taxa for silver hake (*Merluccius bilinearis*) collected in the spring (n = 18,894). WDP = well-digested prey; Unid. Fish = unidentified fish.

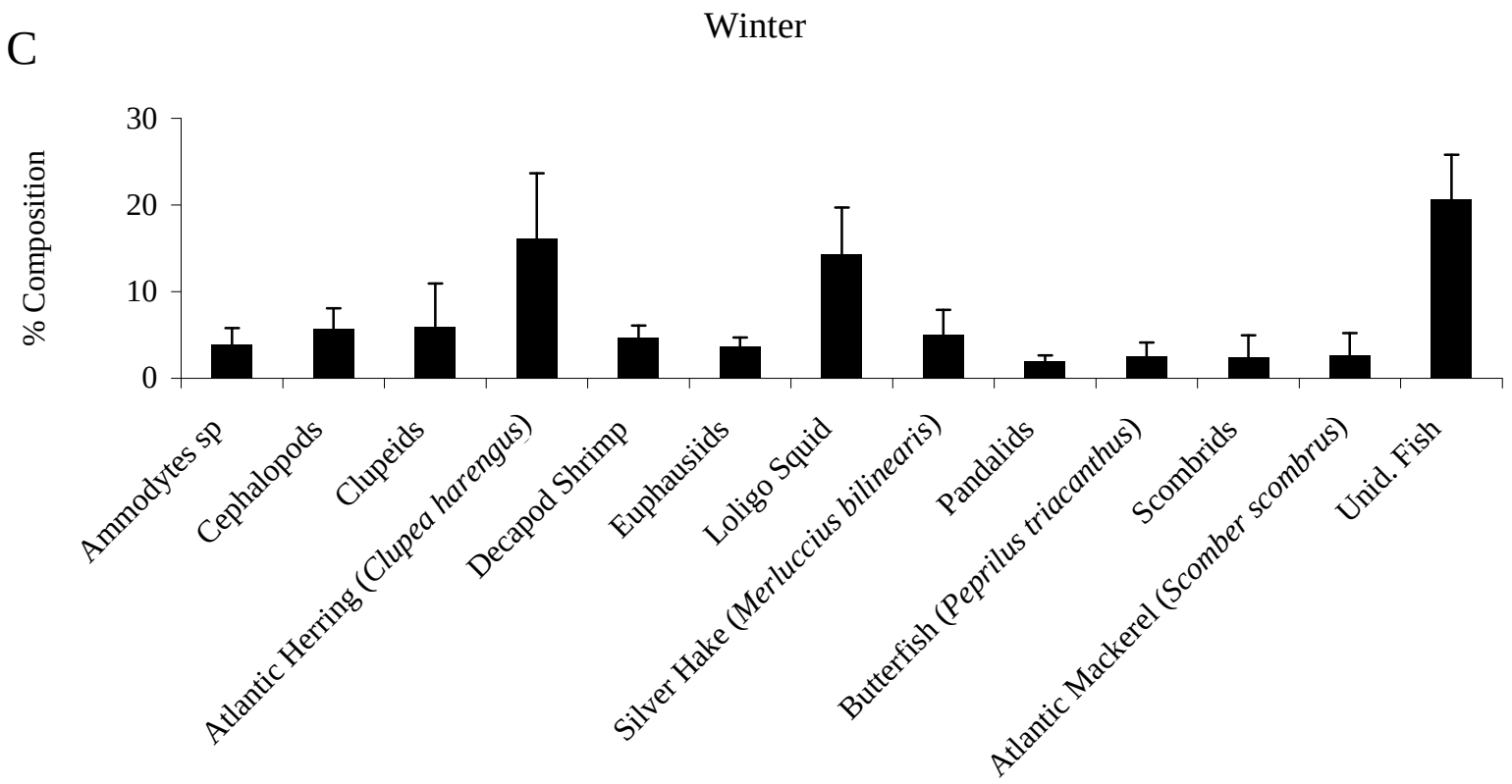

Figure 80C. Percent diet composition by weight of major prey taxa for silver hake (*Merluccius bilinearis*) collected in the winter (n = 3,826). Unid. Fish = unidentified fish.

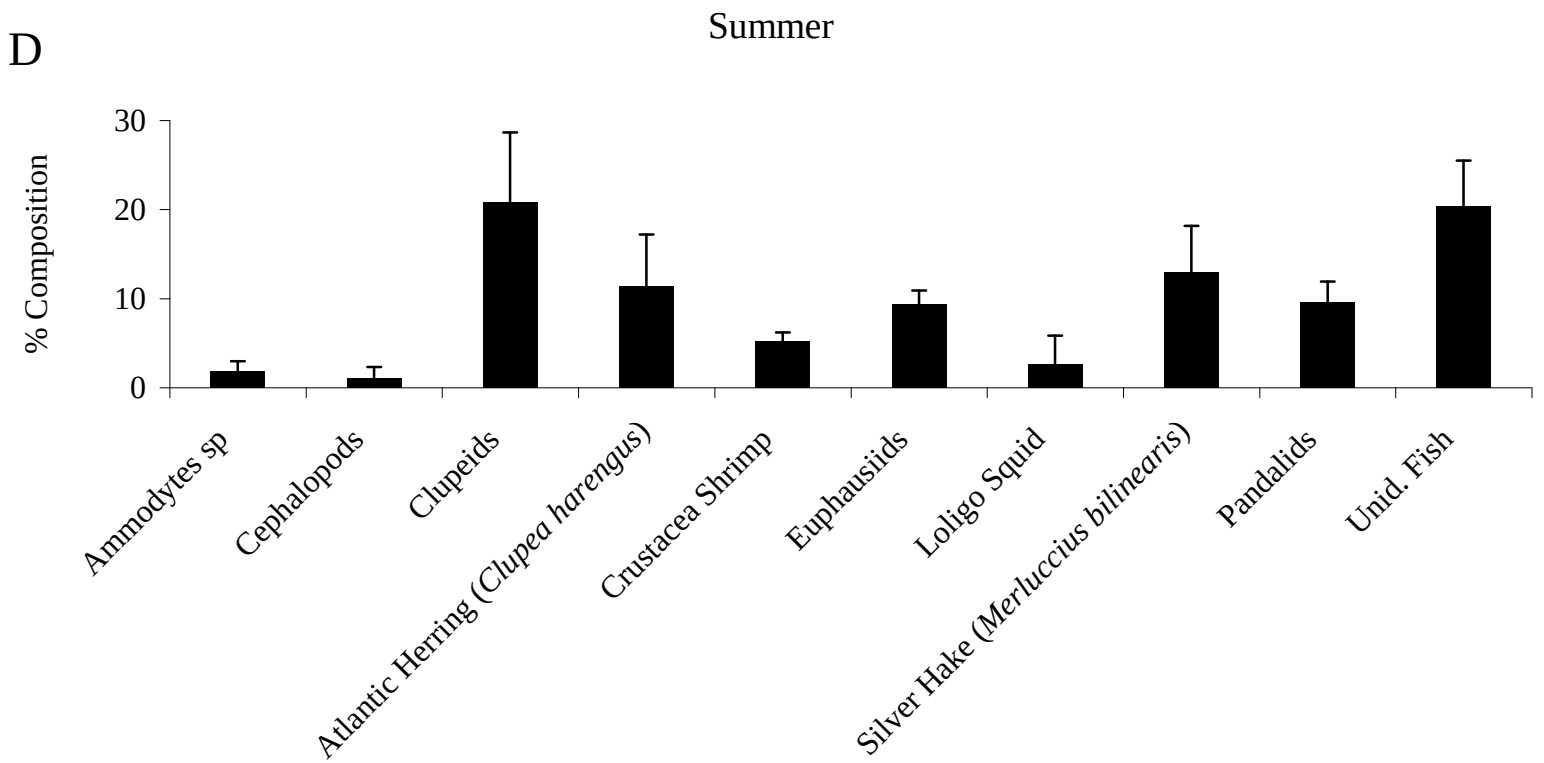

Figure 80D. Percent diet composition by weight of major prey taxa for silver hake (*Merluccius bilinearis*) collected in the summer (n = 3,652). Unid. Fish = unidentified fish.

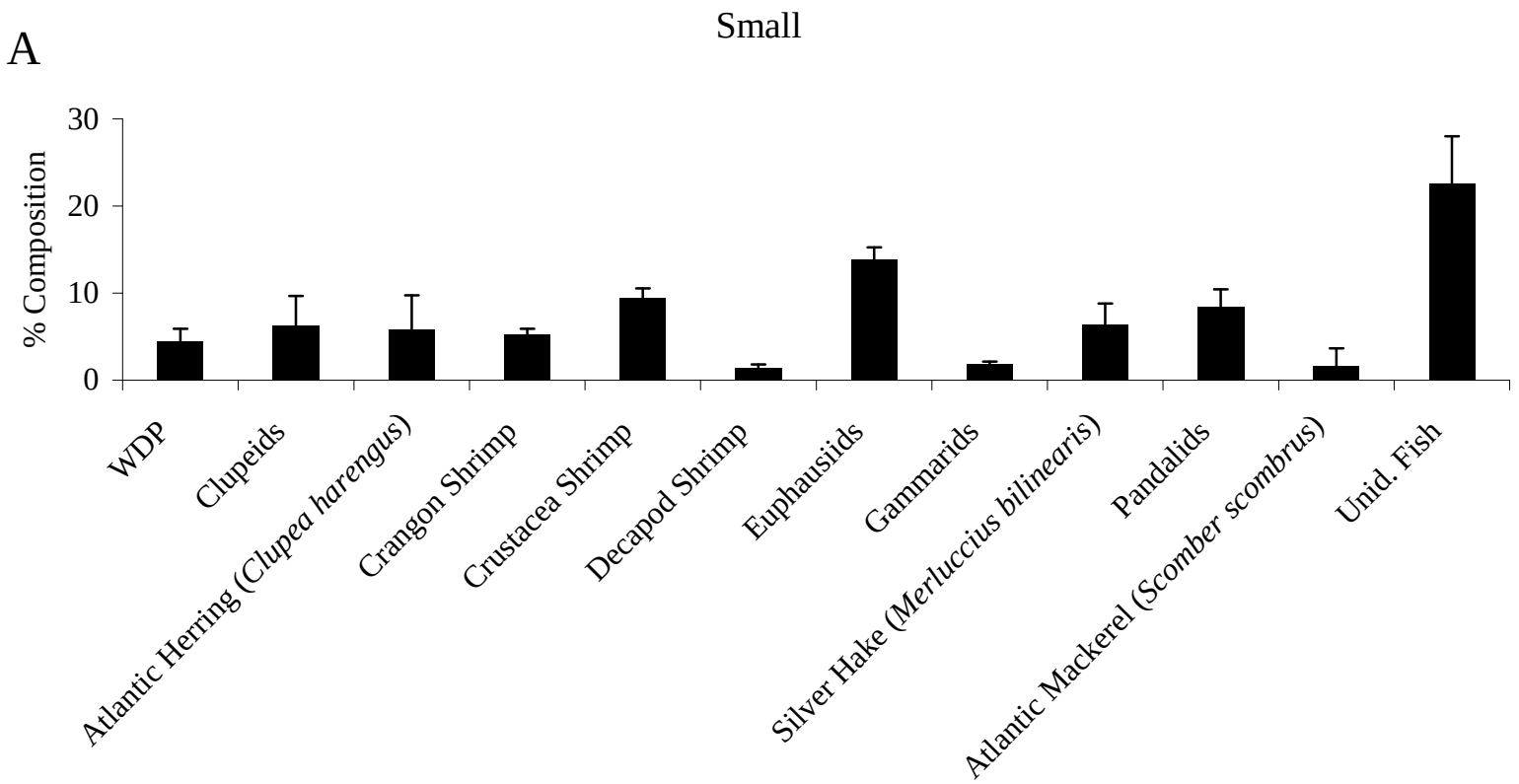

Figure 81A. Percent diet composition by weight of major prey taxa for silver hake (*Merluccius bilinearis*) in the small size class (n = 14,059). WDP = well-digested prey; Unid. Fish = unidentified fish.

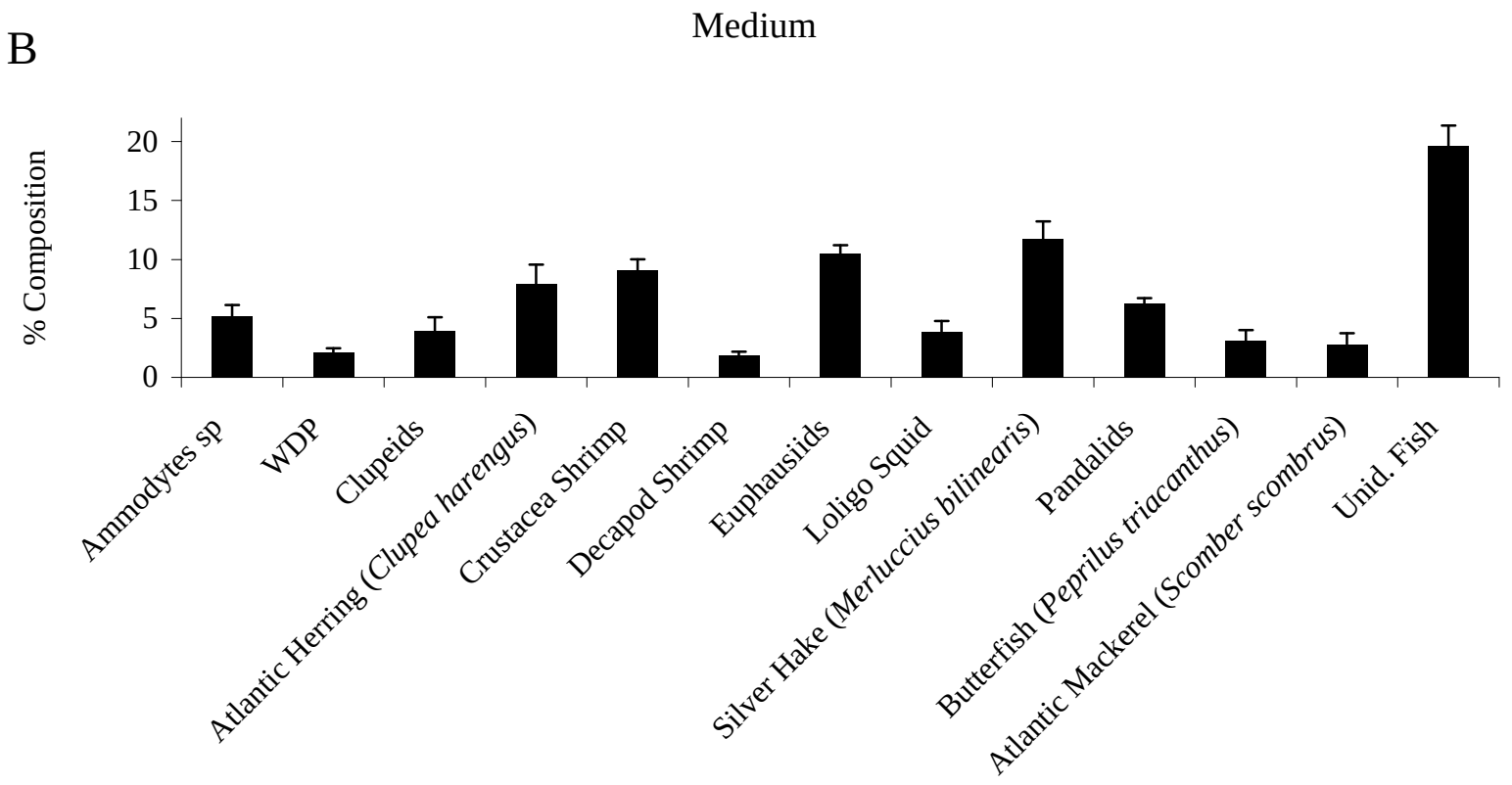

Figure 81B. Percent diet composition by weight of major prey taxa for silver hake (*Merluccius bilinearis*) in the medium size class (n = 32,446). WDP = well-digested prey; Unid. Fish = unidentified fish.

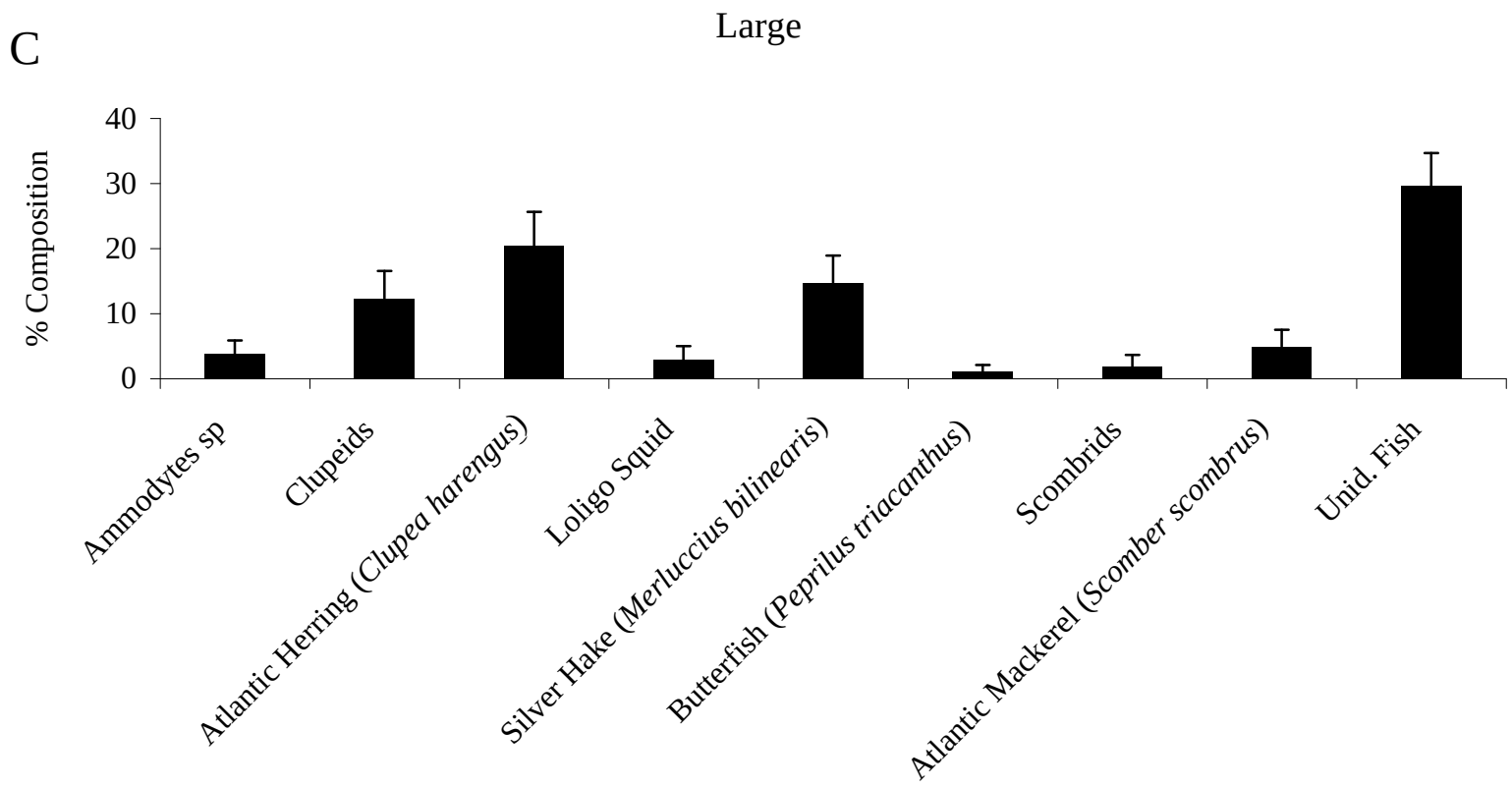

Figure 81C. Percent diet composition by weight of major prey taxa for silver hake (*Merluccius bilinearis*) in the large size class (n = 1,332). Unid. Fish = unidentified fish.

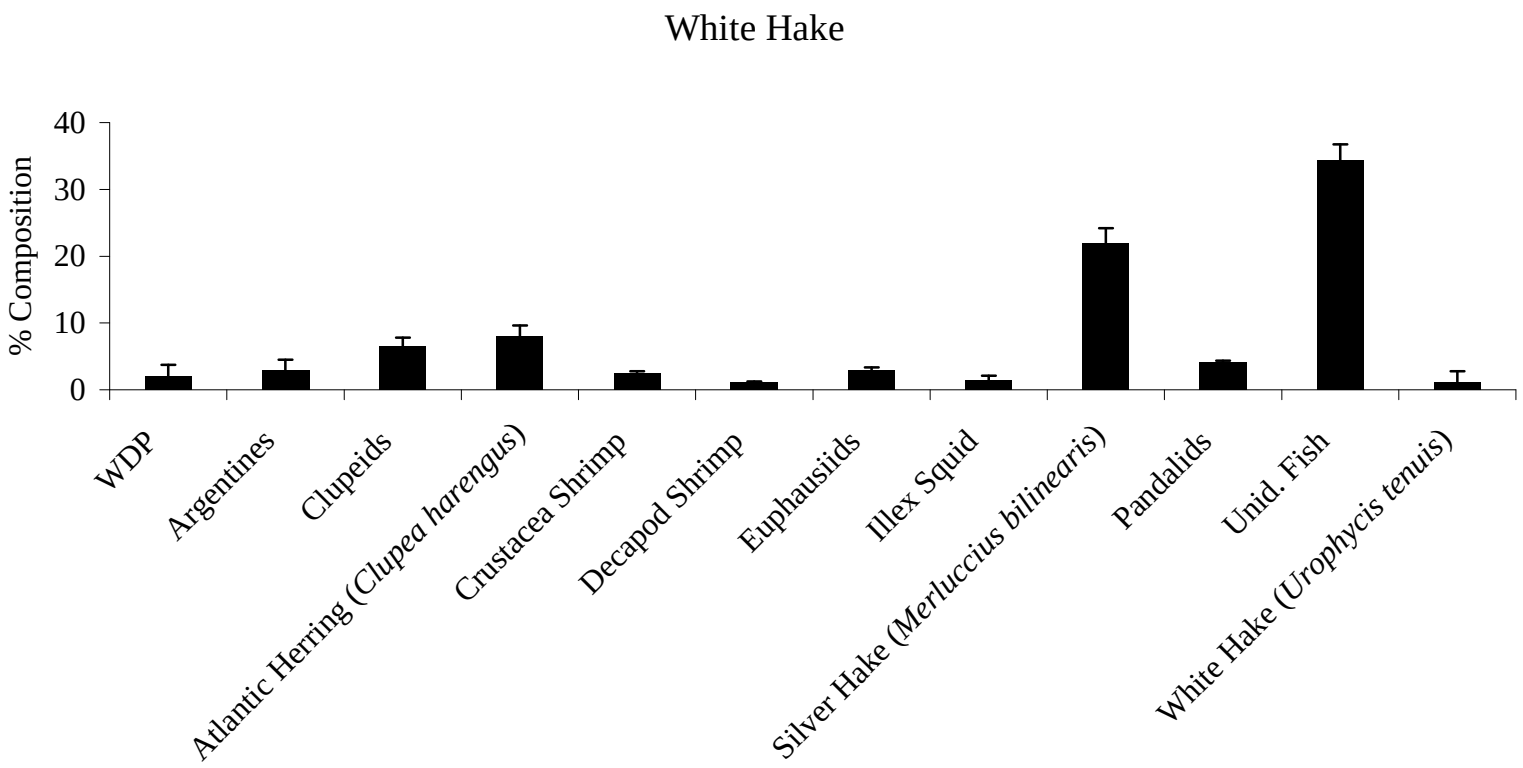

Figure 82. Percent diet composition by weight of major prey taxa for white hake (*Urophycis tenuis*; n = 14,348). WDP = well-digested prey; Unid. Fish = unidentified fish.

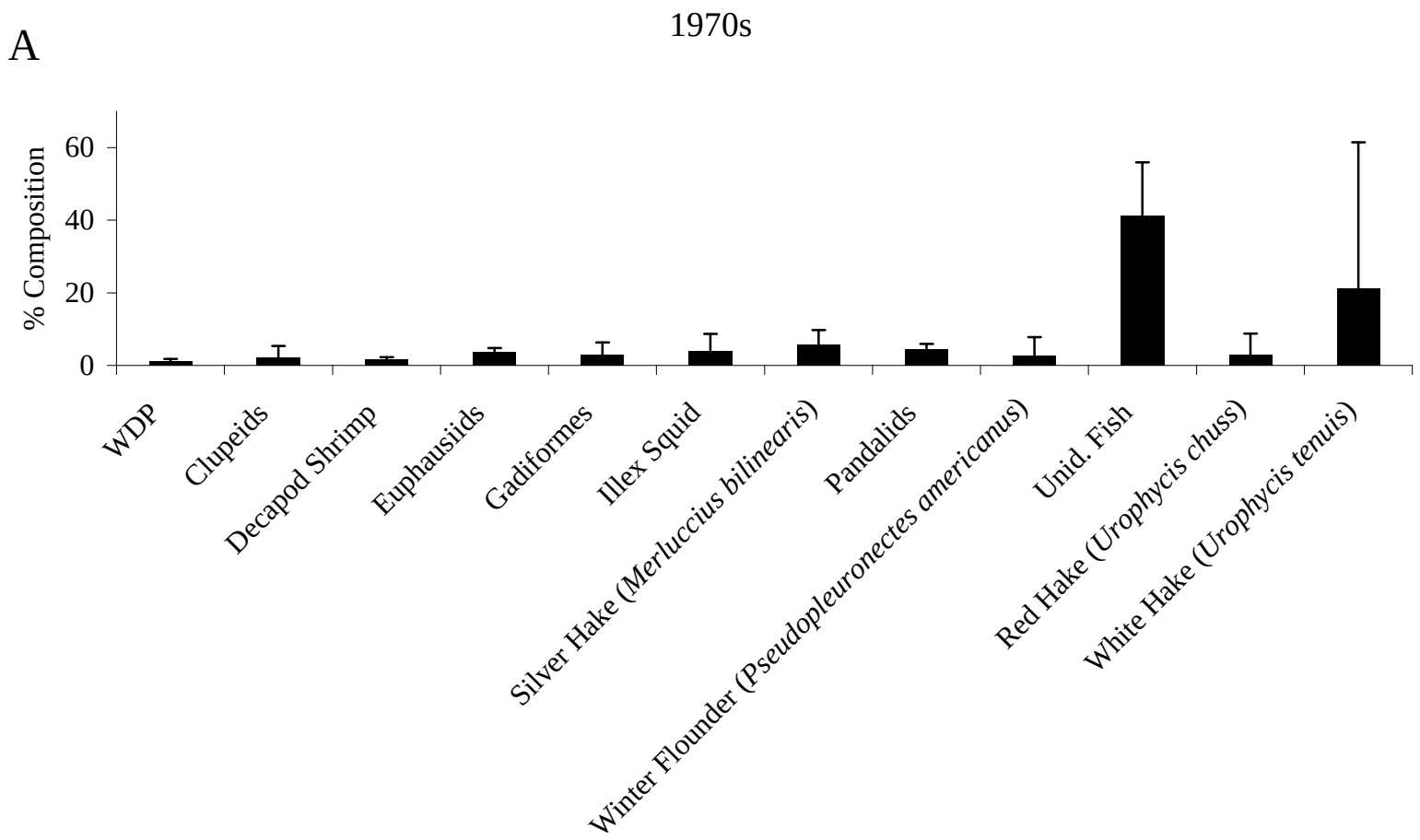

Figure 83A. Percent diet composition by weight of major prey taxa for white hake (*Urophycis tenuis*) collected in the 1970s (n = 682). WDP = well-digested prey; Unid. Fish = unidentified fish.

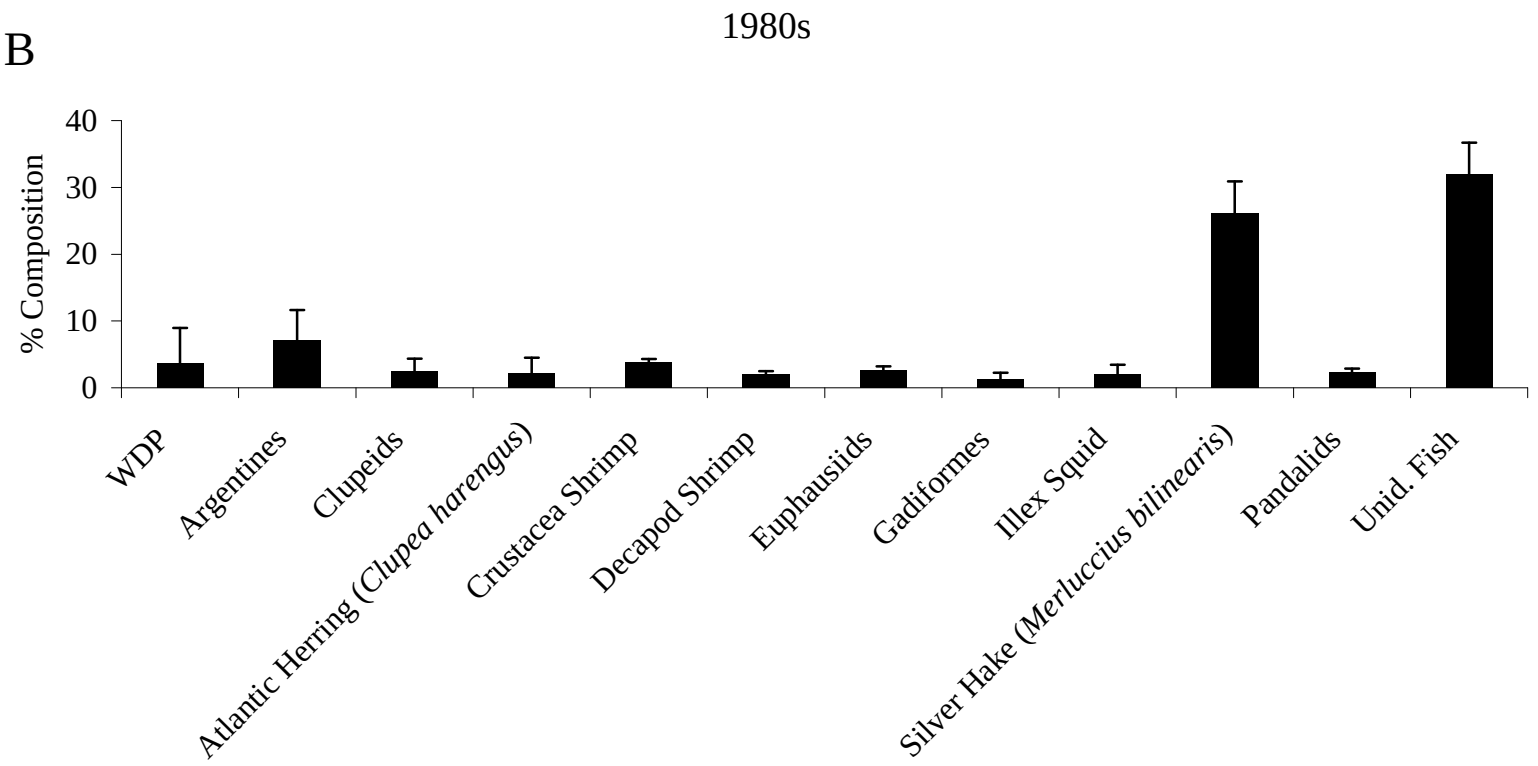

Figure 83B. Percent diet composition by weight of major prey taxa for white hake (*Urophycis tenuis*) collected in the 1980s (n = 4,177). WDP = well-digested prey; Unid. Fish = unidentified fish.

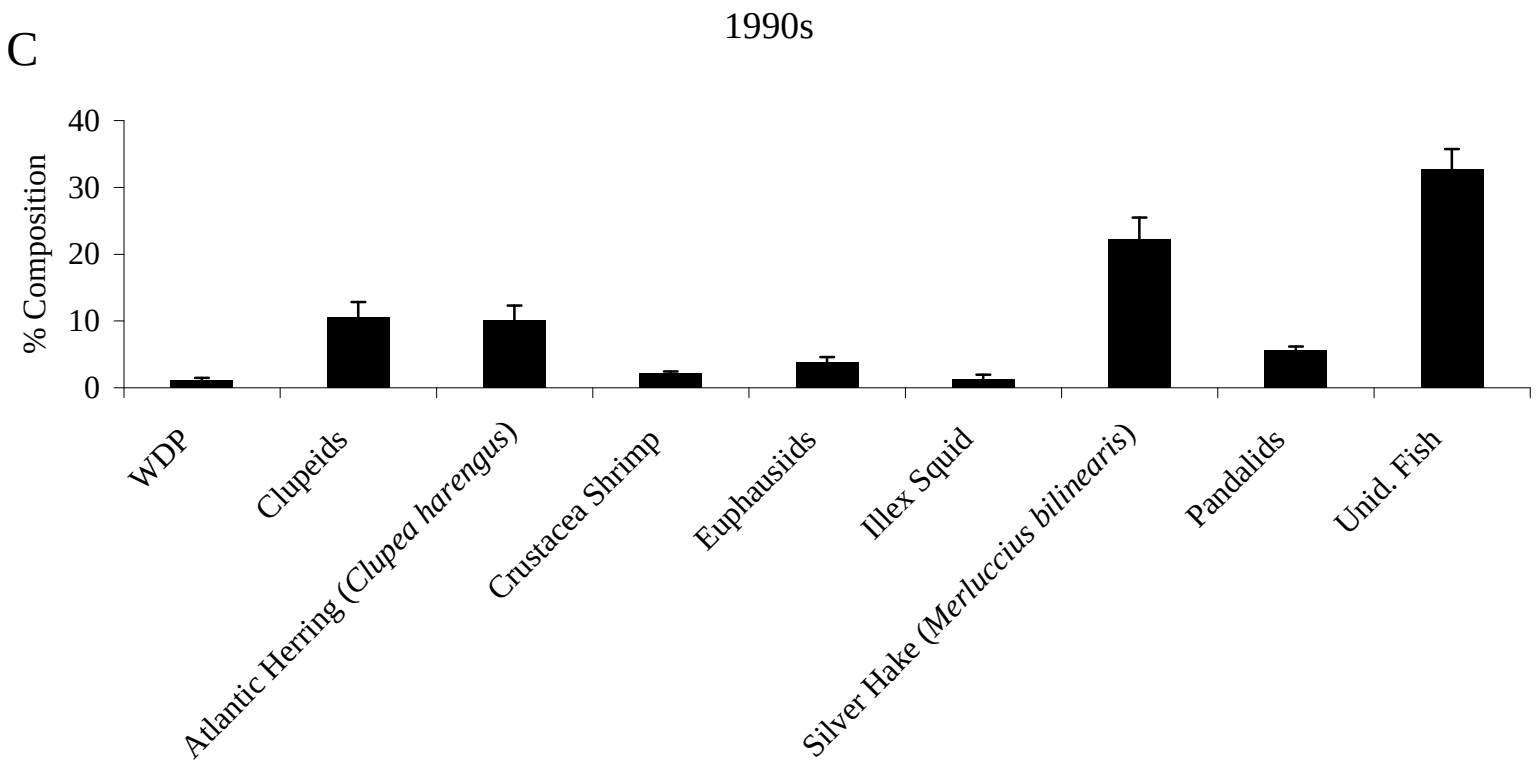

Figure 83C. Percent diet composition by weight of major prey taxa for white hake (*Urophycis tenuis*) collected in the 1990s (n = 7,617). WDP = well-digested prey; Unid. Fish = unidentified fish.

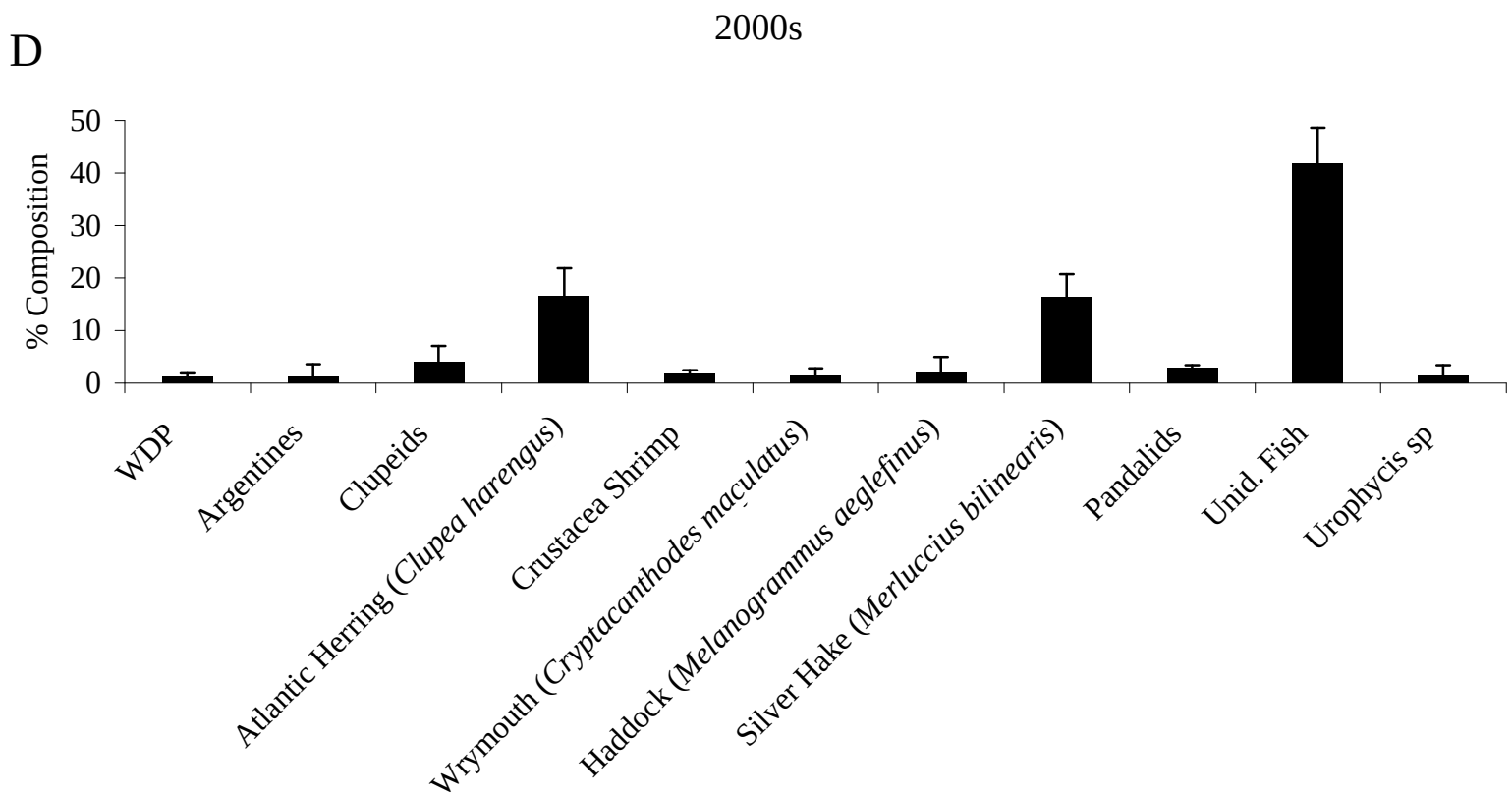

Figure 83D. Percent diet composition by weight of major prey taxa for white hake (*Urophycis tenuis*) collected in the 2000s (n = 1,872). WDP = well-digested prey; Unid. Fish = unidentified fish.

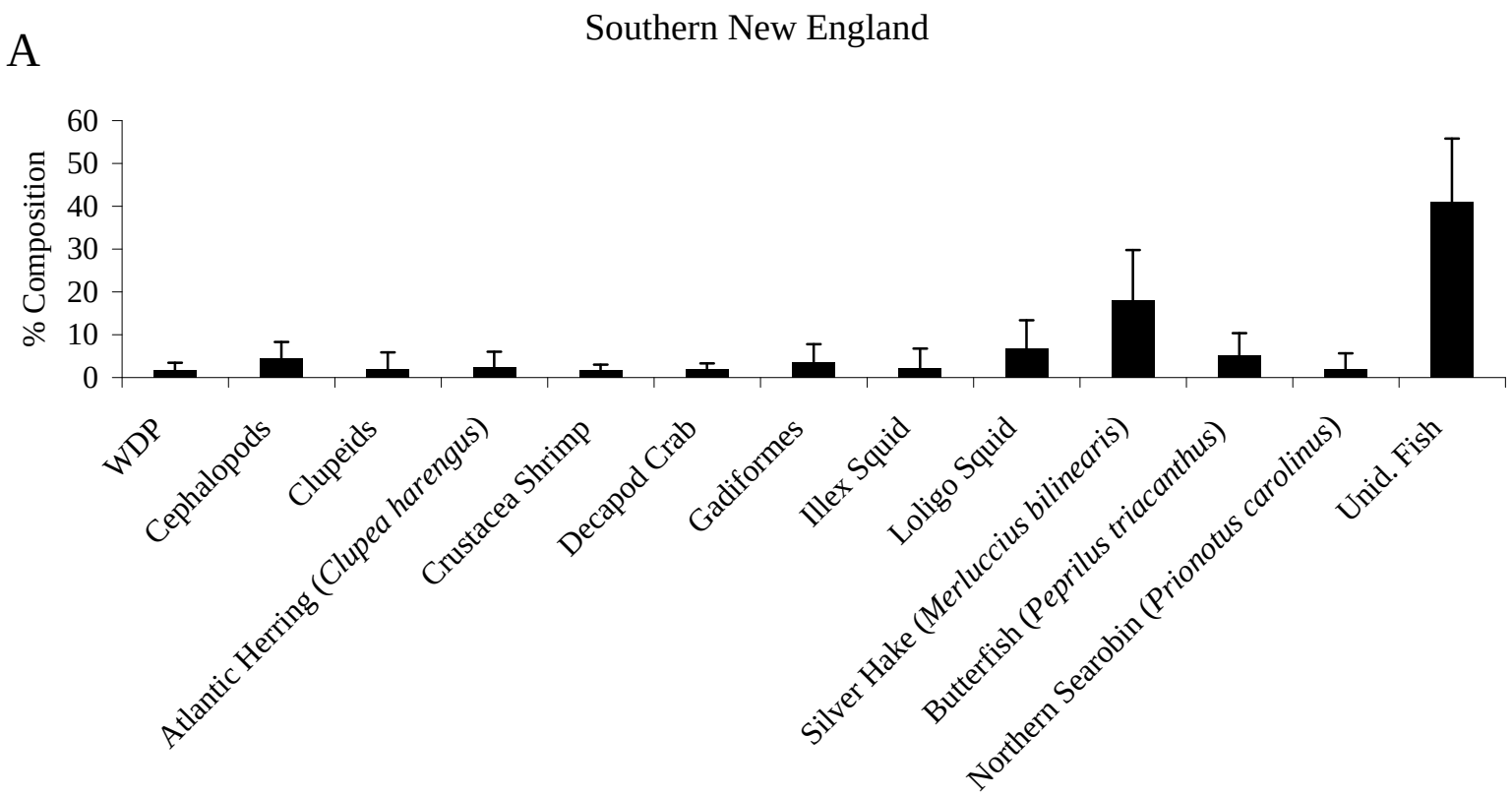

Figure 84A. Percent diet composition by weight of major prey taxa for white hake (*Urophycis tenuis*) collected in Southern New England (n = 533). WDP = well-digested prey; Unid. Fish = unidentified fish.

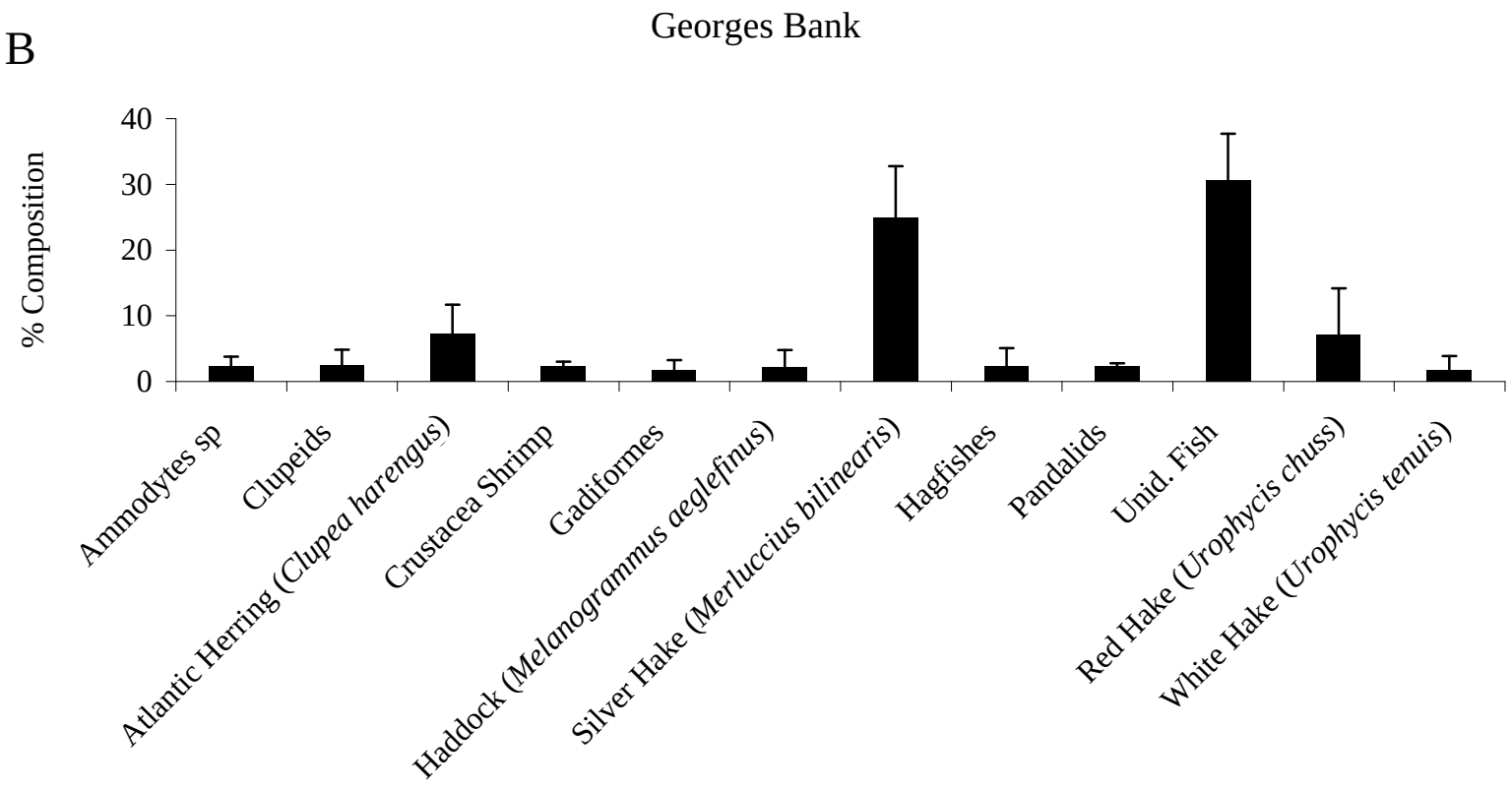

Figure 84B. Percent diet composition by weight of major prey taxa for white hake (*Urophycis tenuis*) collected on Georges Bank (n = 1,575). Unid. Fish = unidentified fish.

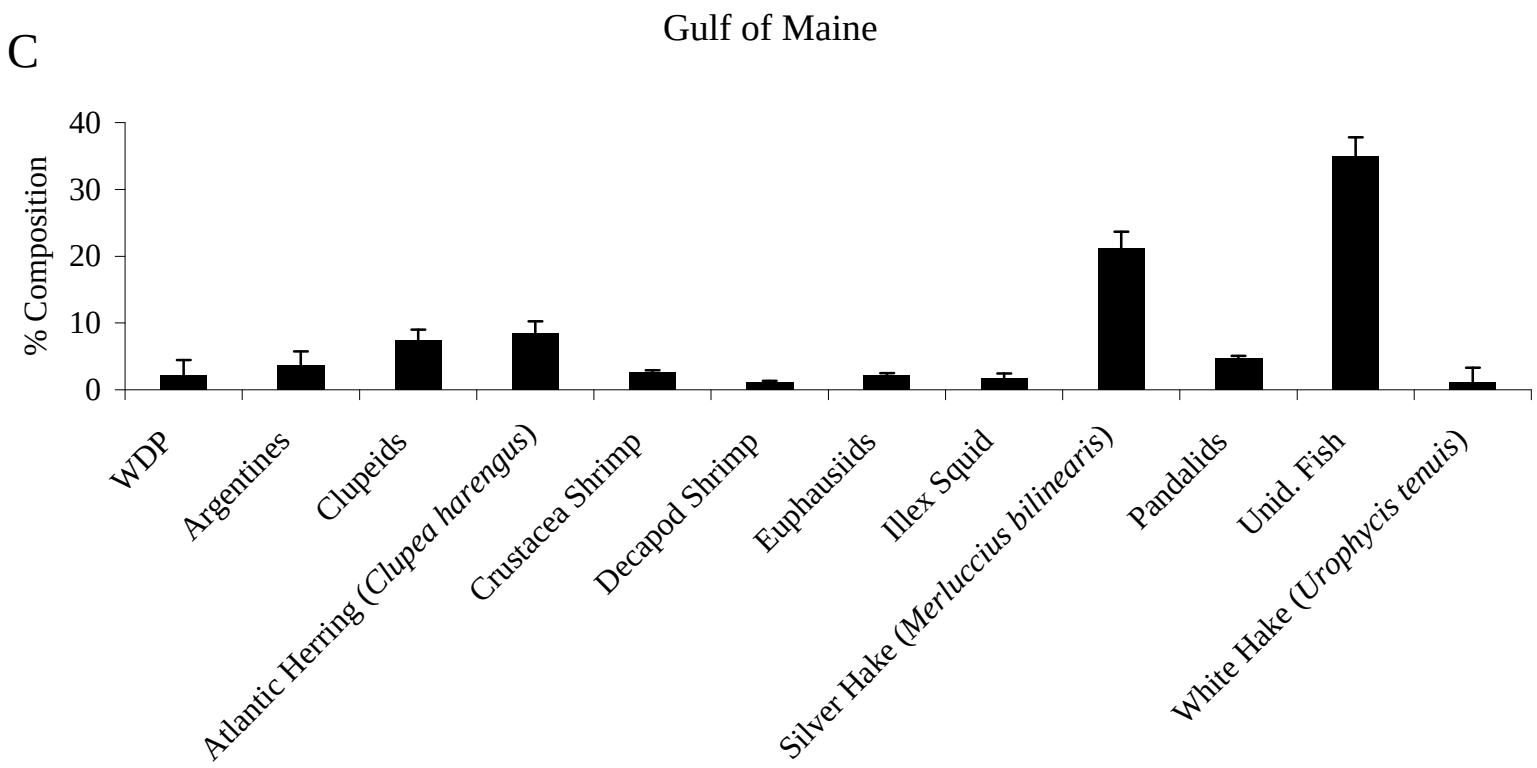

Figure 84C. Percent diet composition by weight of major prey taxa for white hake (*Urophycis tenuis*) collected in the Gulf of Maine (n = 10,683). WDP = well-digested prey; Unid. Fish = unidentified fish.

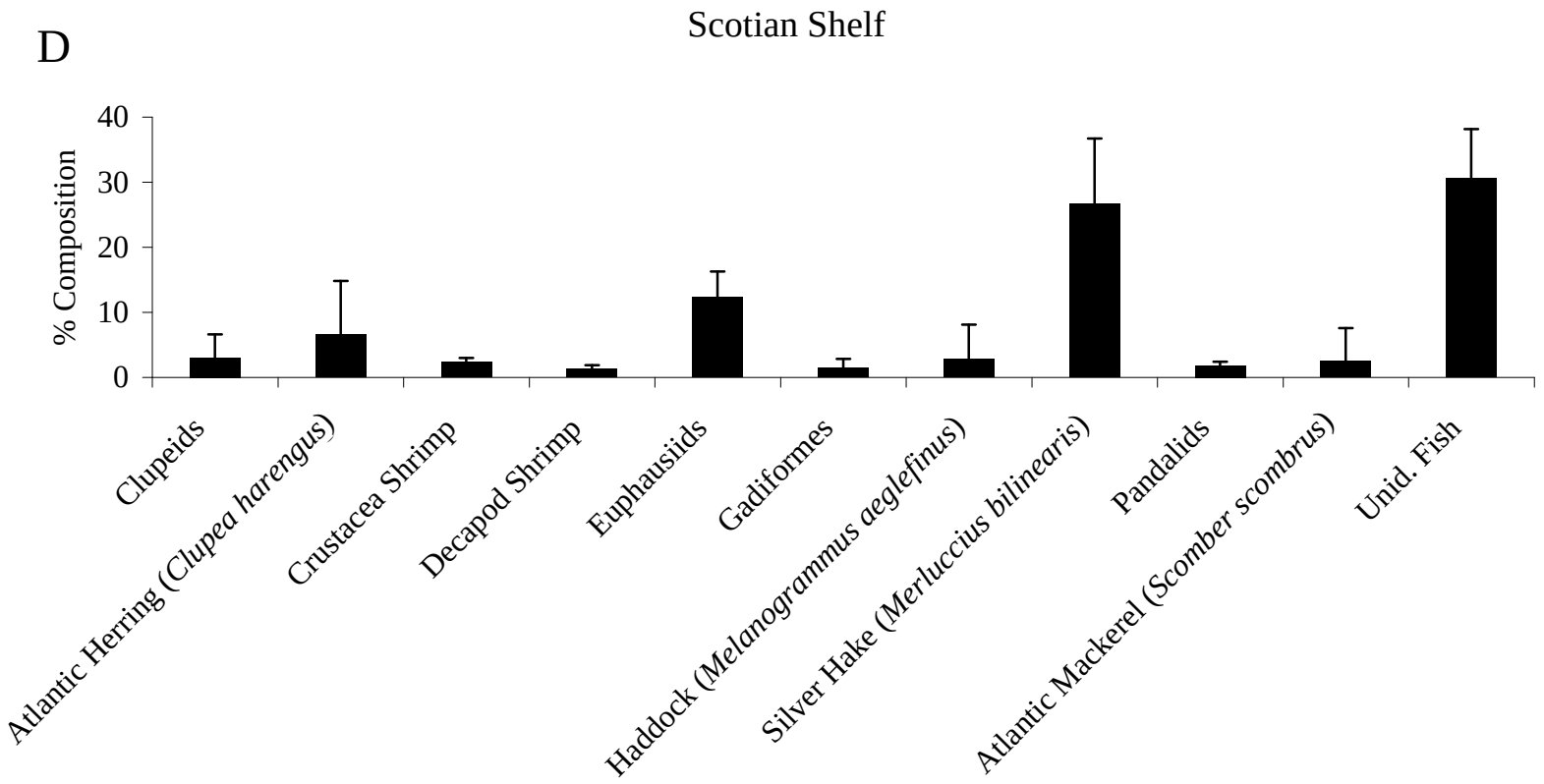

Figure 84D. Percent diet composition by weight of major prey taxa for white hake (*Urophycis tenuis*) collected on the Scotian Shelf (n = 1,467). Unid. Fish = unidentified fish.

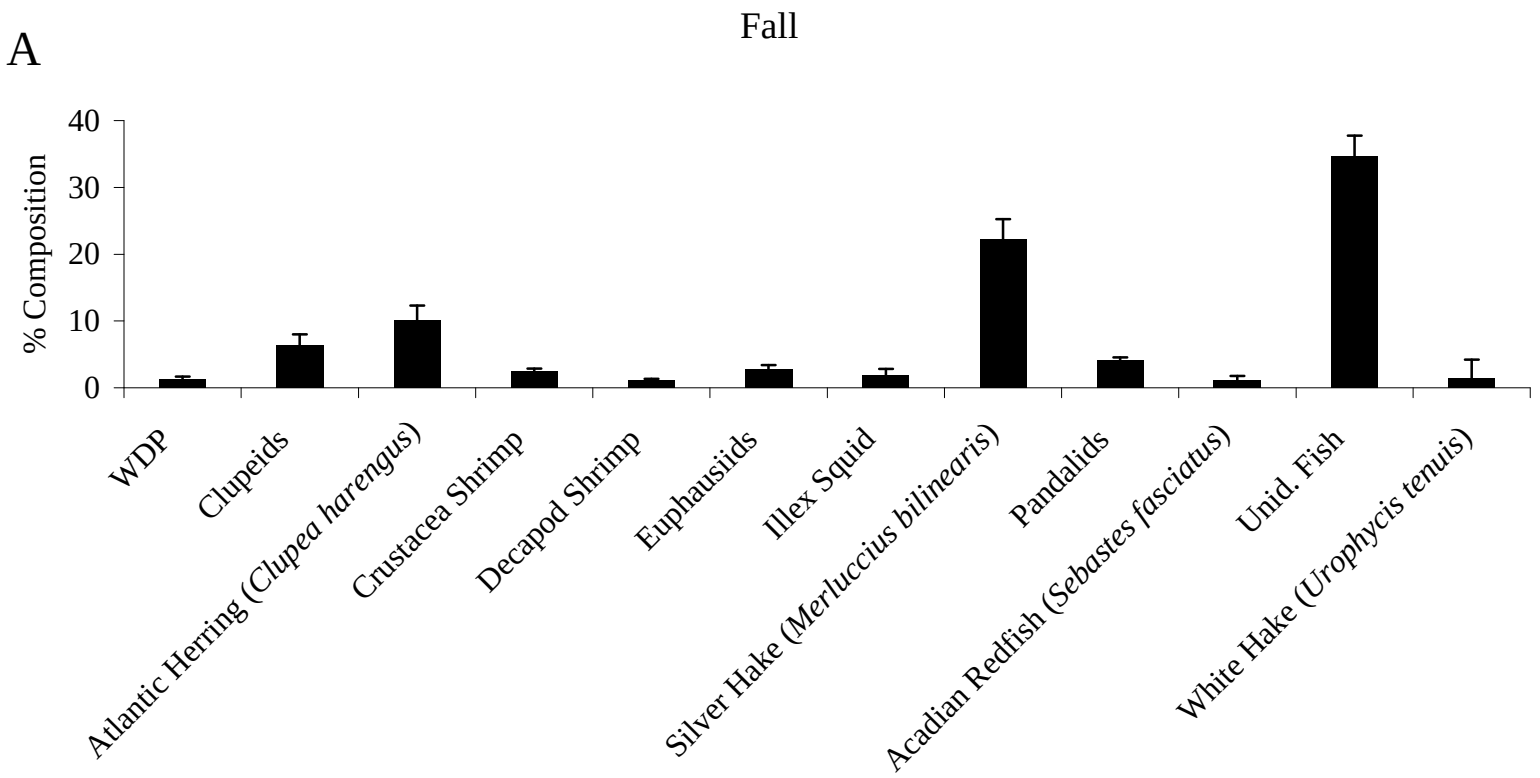

Figure 85A. Percent diet composition by weight of major prey taxa for white hake (*Urophycis tenuis*) collected collected in the fall (n = 7,766). WDP = well-digested prey; Unid. Fish = unidentified fish.

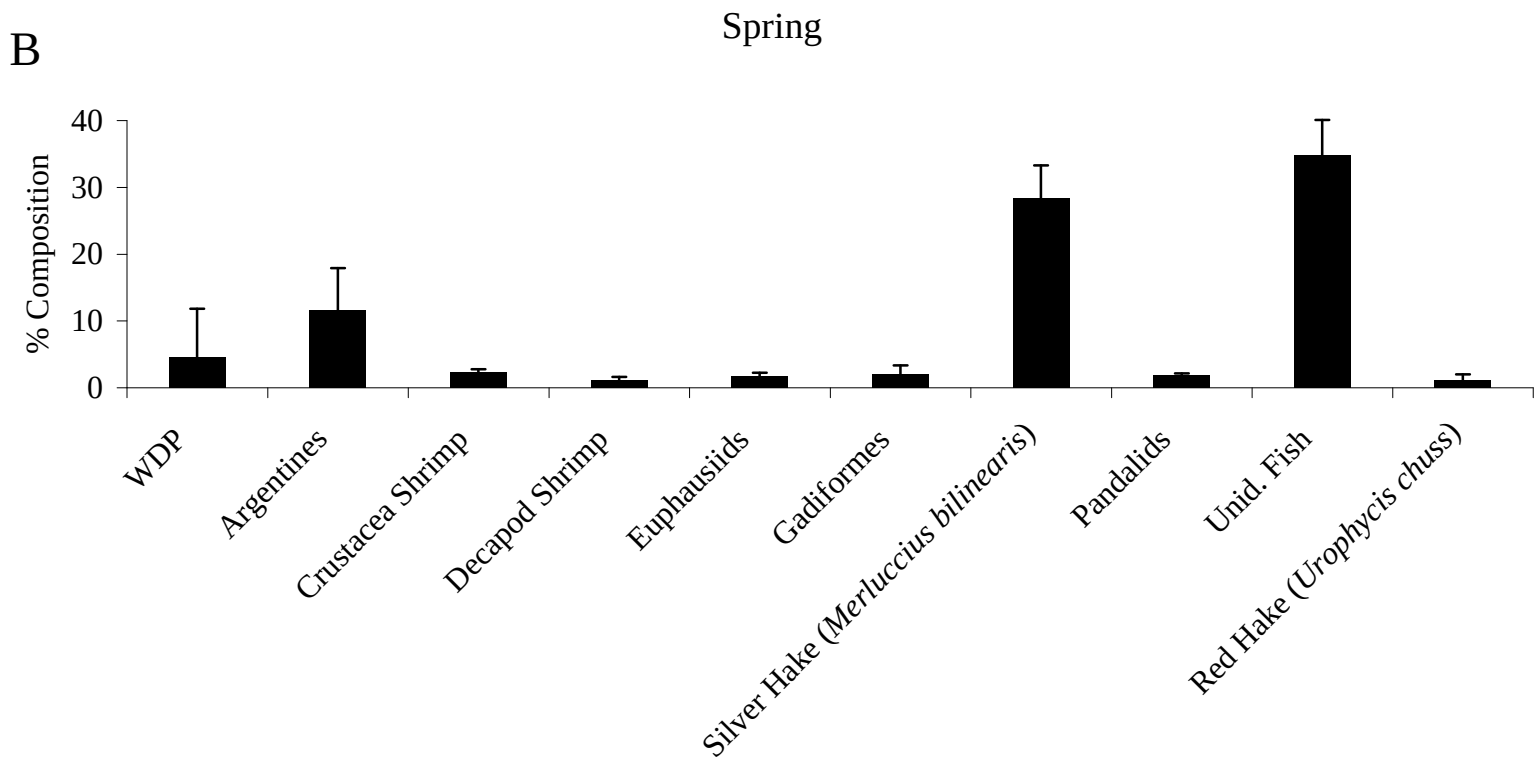

Figure 85B. Percent diet composition by weight of major prey taxa for white hake (*Urophycis tenuis*) collected in the spring (n = 4,388). WDP = well-digested prey; Unid. Fish = unidentified fish.

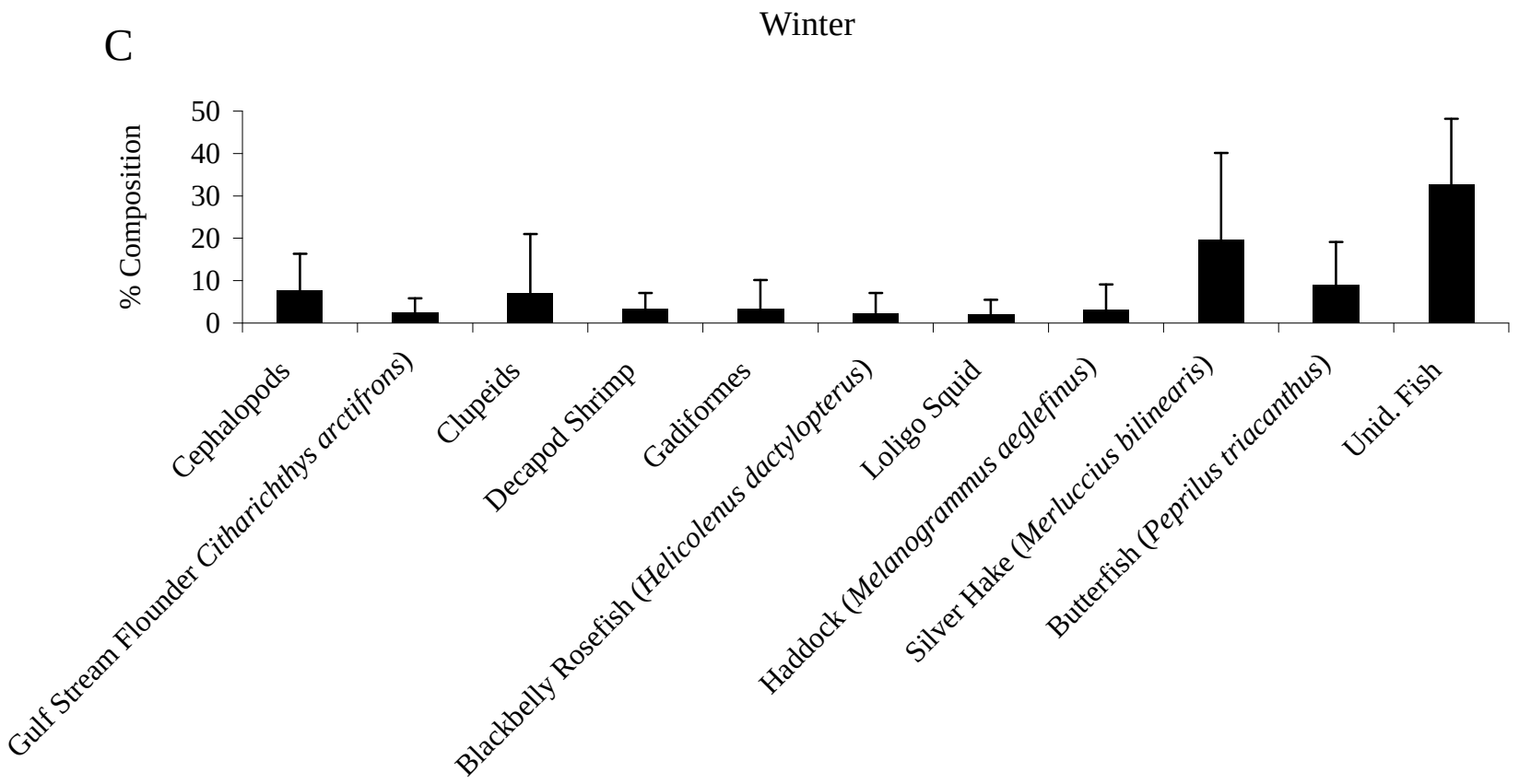

Figure 85C. Percent diet composition by weight of major prey taxa for white hake (*Urophycis tenuis*) collected in the winter (n = 236). Unid. Fish = unidentified fish.

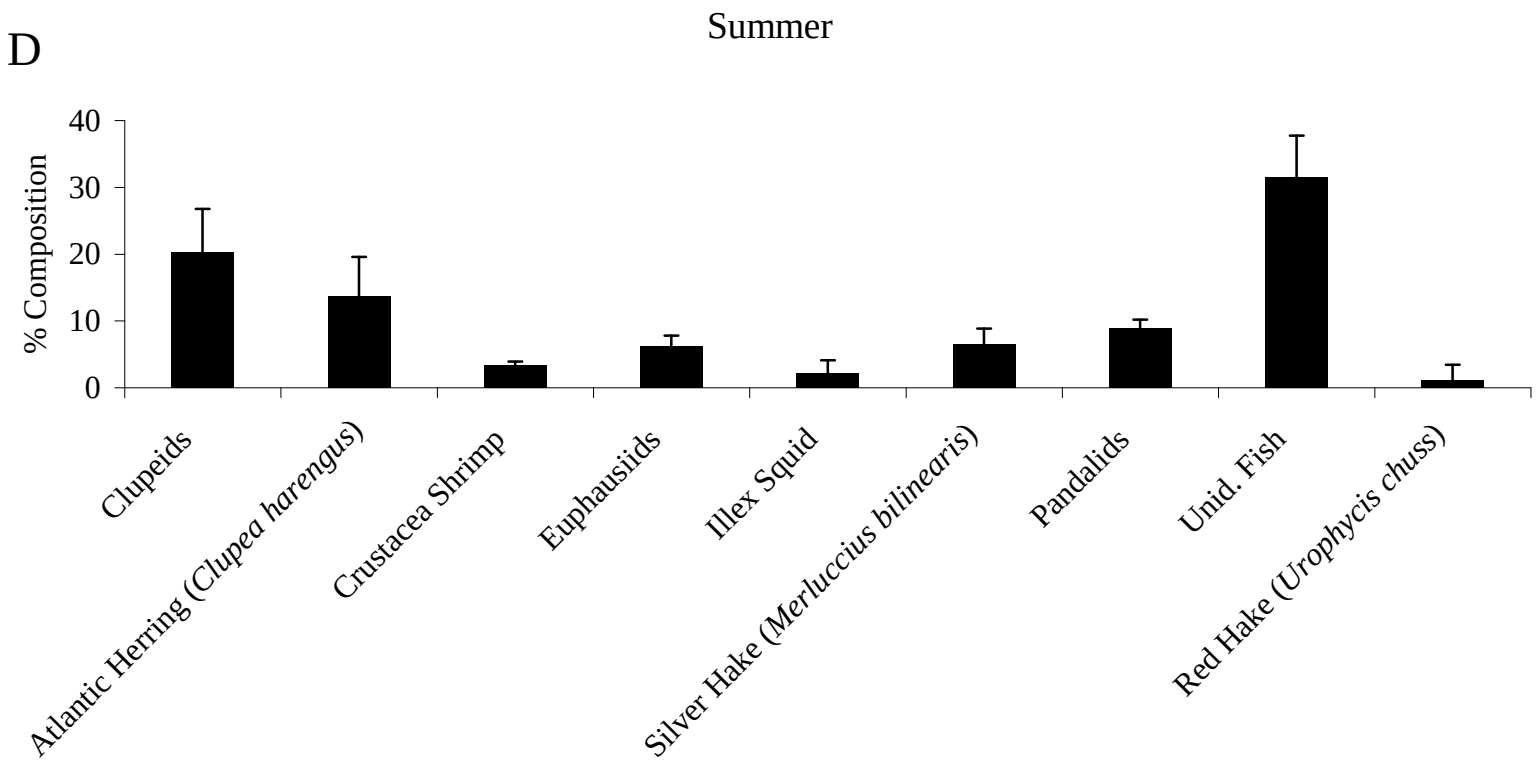

Figure 85D. Percent diet composition by weight of major prey taxa for white hake (*Urophycis tenuis*) collected in the summer (n = 1,958). Unid. Fish = unidentified fish.

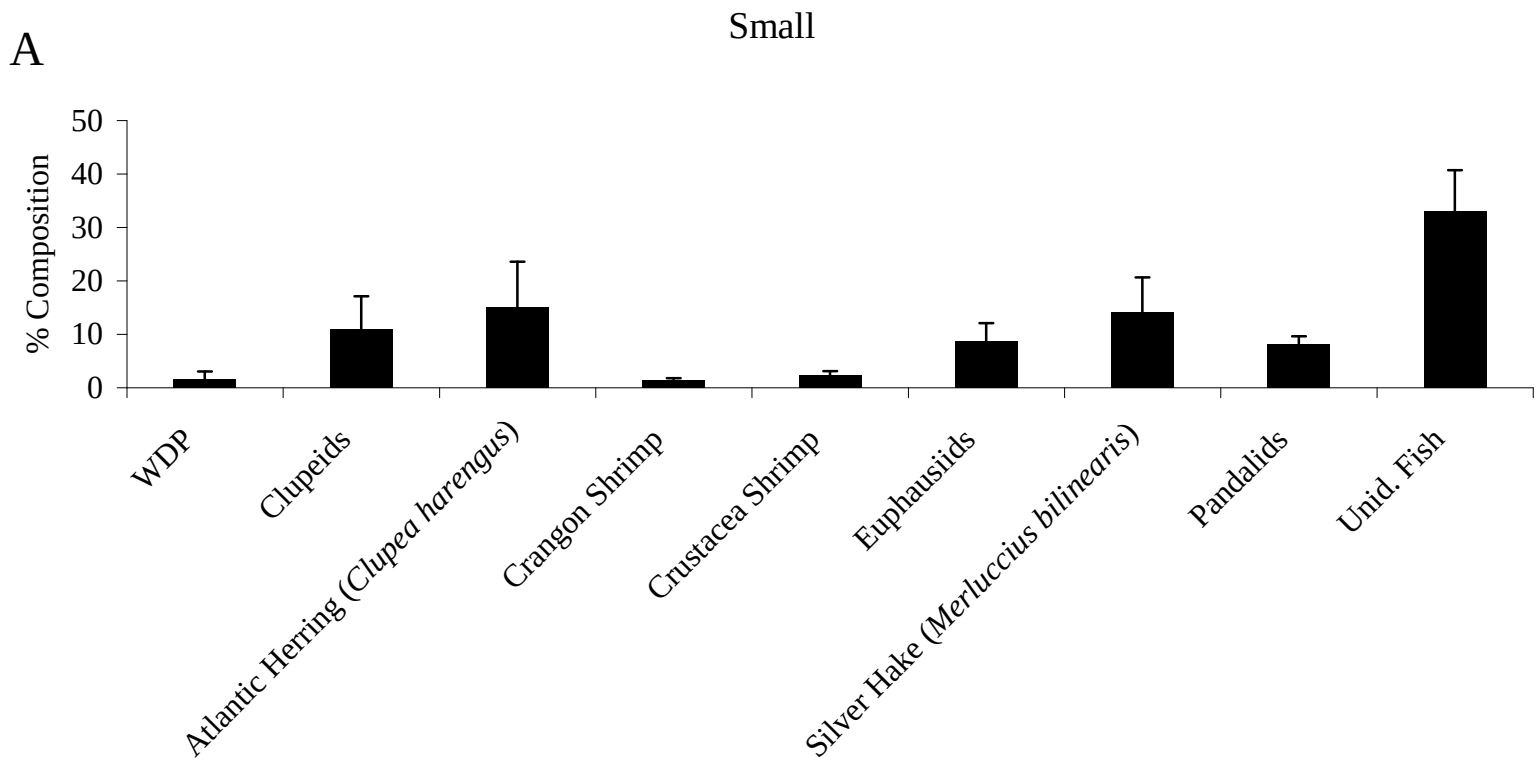

Figure 86A. Percent diet composition by weight of major prey taxa for white hake (*Urophycis tenuis*) in the small size class (n = 1,700). WDP = well-digested prey; Unid. Fish = unidentified fish.

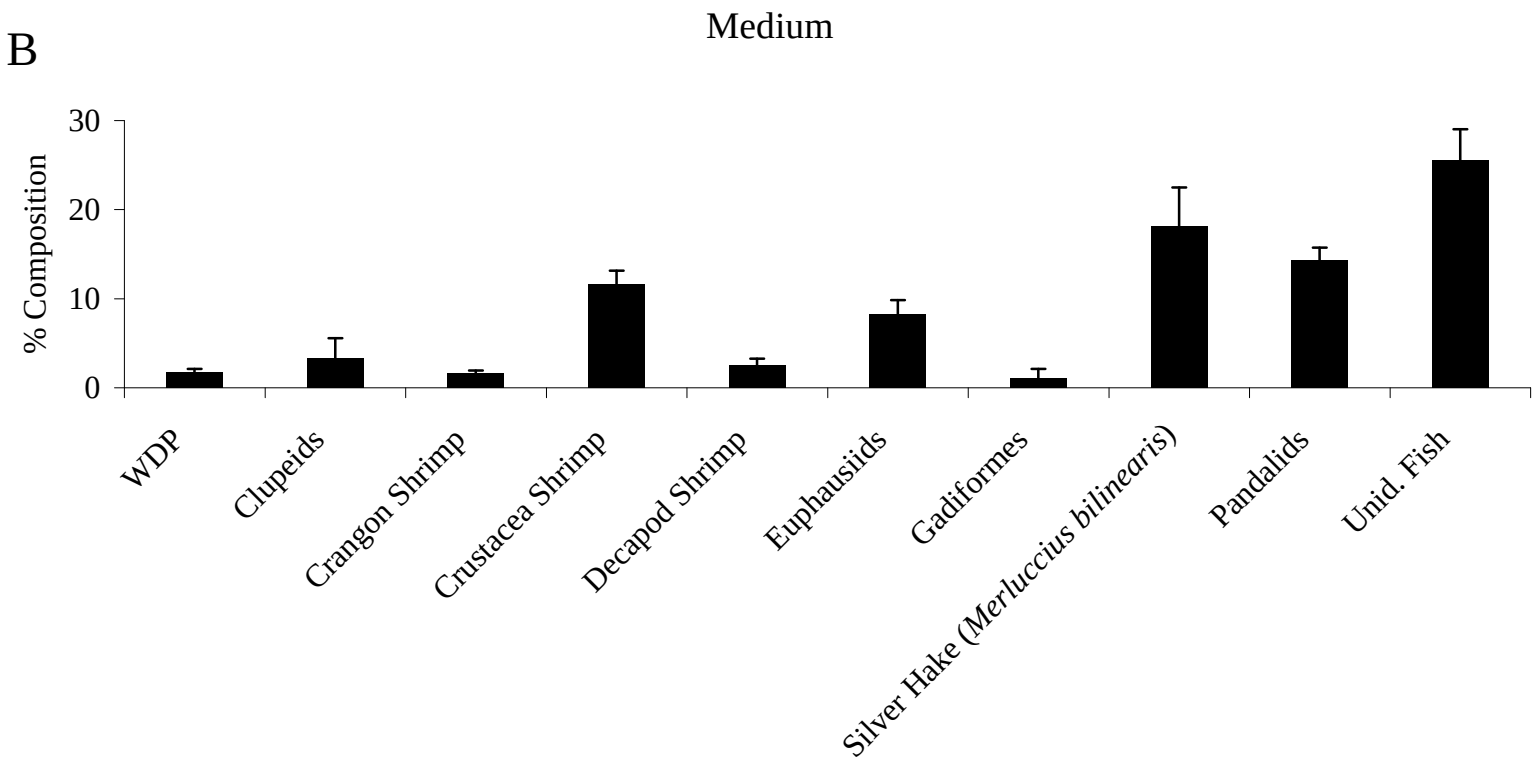

Figure 86B. Percent diet composition by weight of major prey taxa for white hake (*Urophycis tenuis*) in the medium size class (n = 5,617). WDP = well-digested prey; Unid. Fish = unidentified fish.

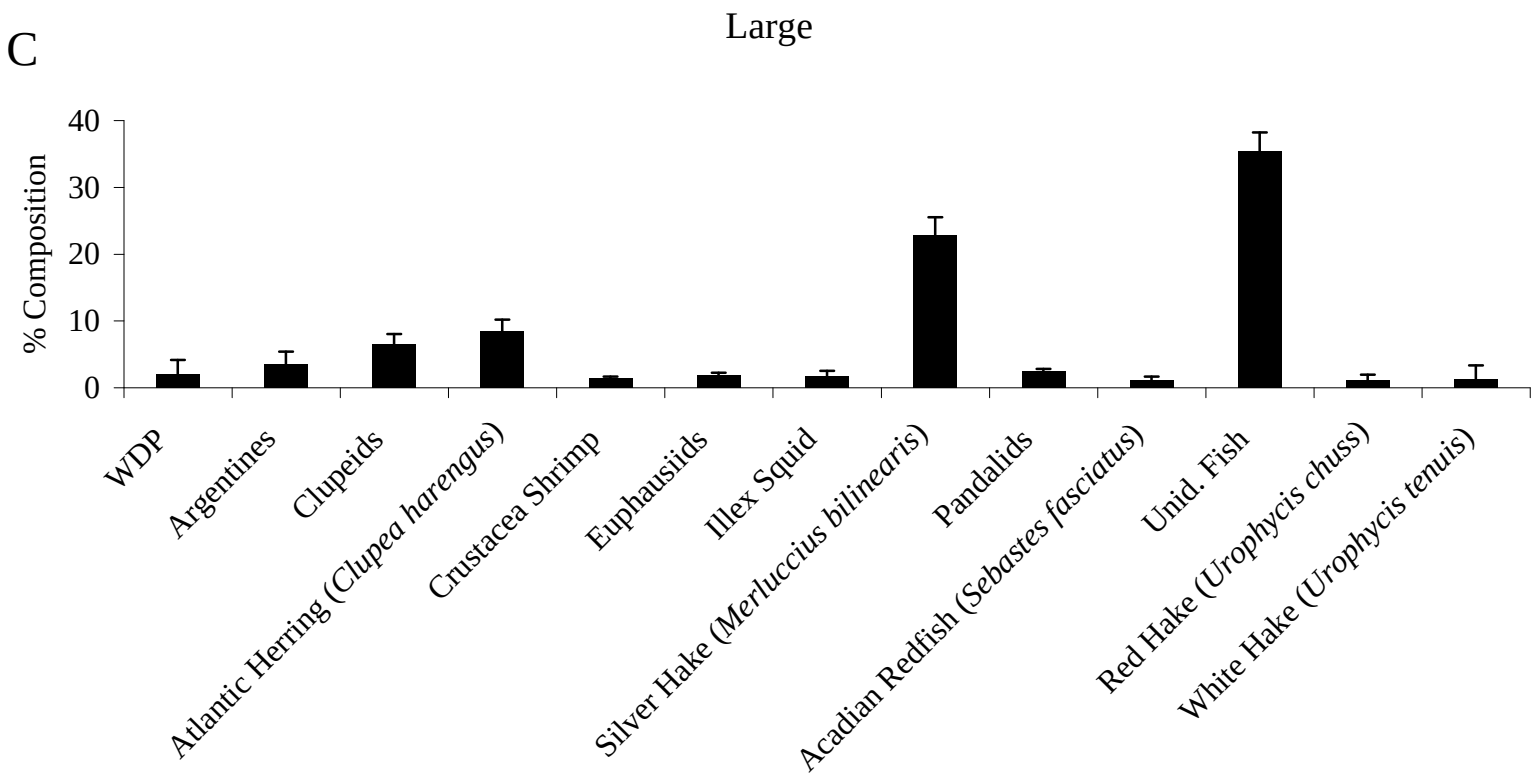

Figure 86C. Percent diet composition by weight of major prey taxa for white hake (*Urophycis tenuis*) in the large size class (n = 7,031). WDP = well-digested prey; Unid. Fish = unidentified fish.

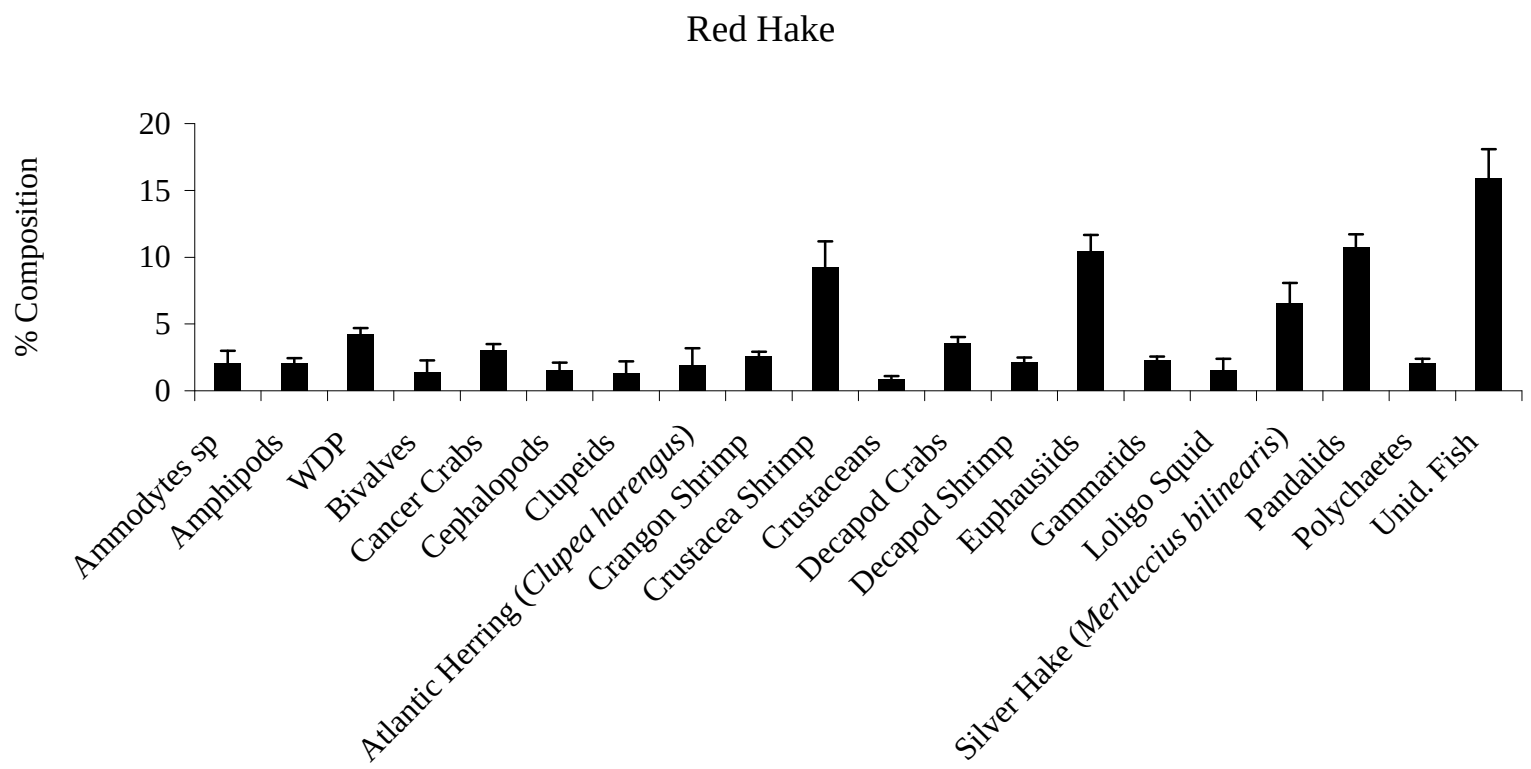

Figure 87. Percent diet composition by weight of major prey taxa for red hake (*Urophycis chuss*; n = 17,841). WDP = well-digested prey; Unid. Fish = unidentified fish.

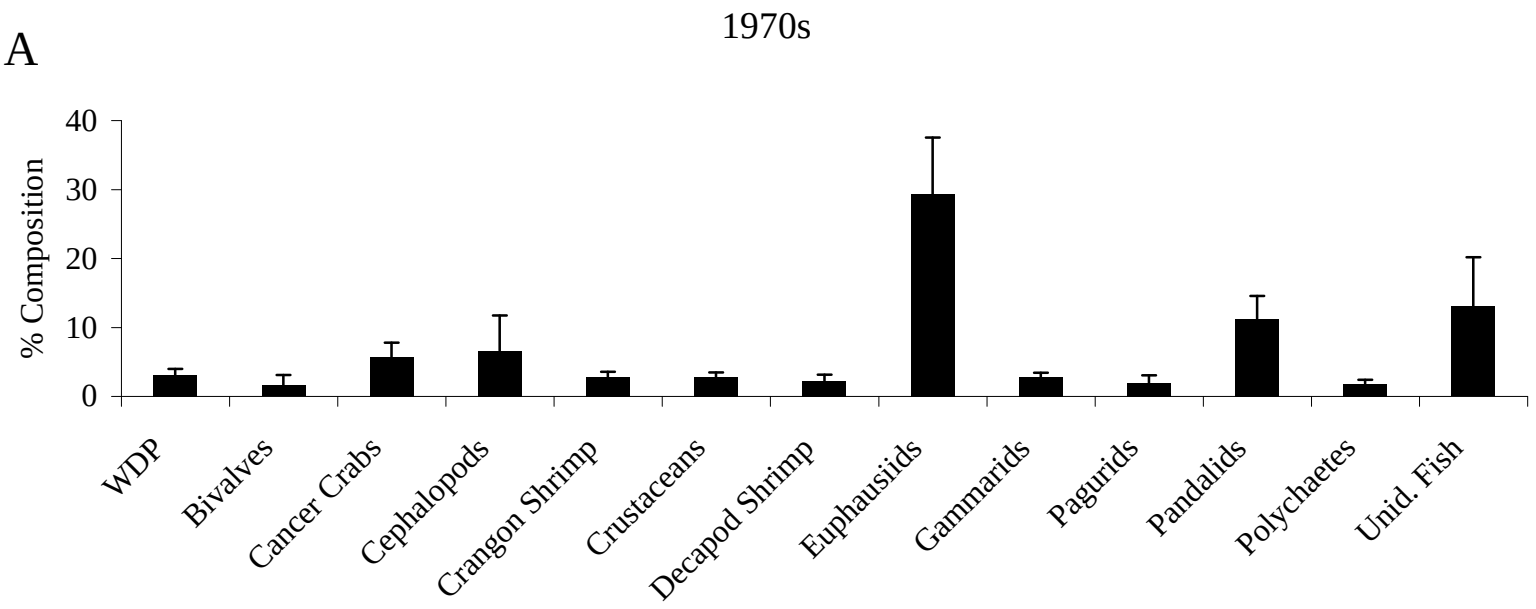

Figure 88A. Percent diet composition by weight of major prey taxa for red hake (*Urophycis chuss*) collected in the 1970s (n = 1,662). WDP = well-digested prey; Unid. Fish = unidentified fish.

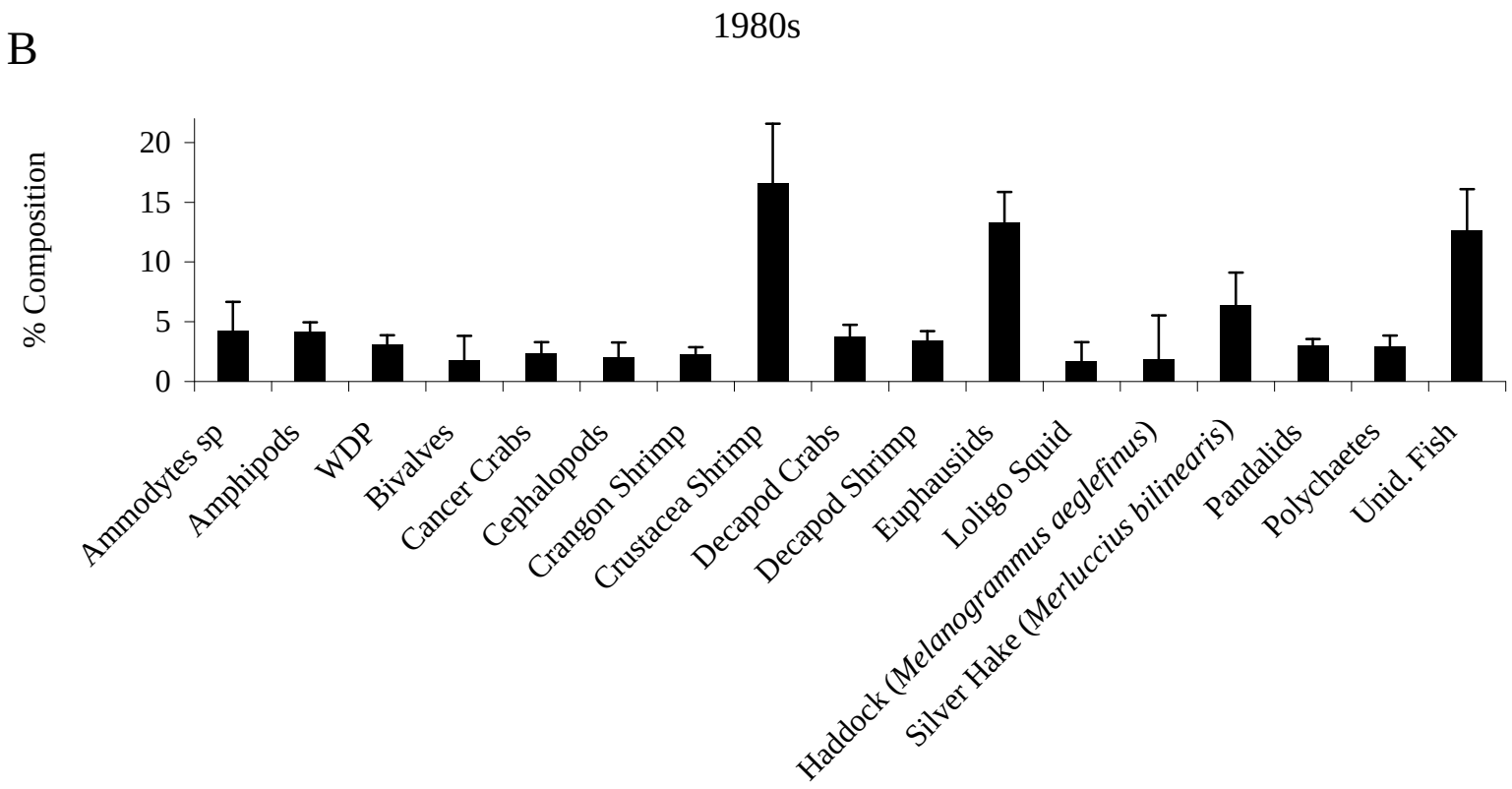

Figure 88B. Percent diet composition by weight of major prey taxa for red hake (*Urophycis chuss*) collected in the 1980s (n = 4,765). WDP = well-digested prey; Unid. Fish = unidentified fish.

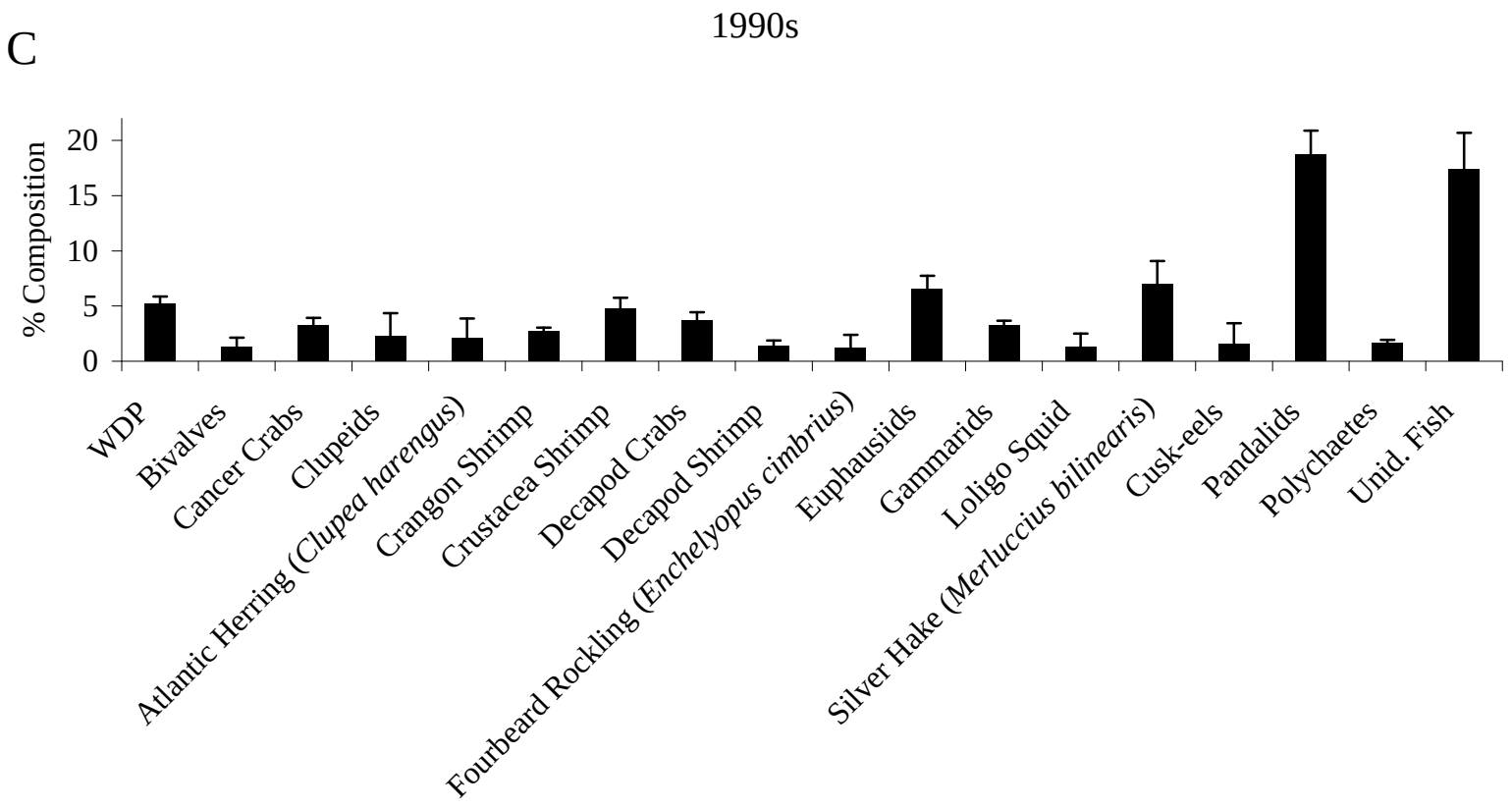

Figure 88C. Percent diet composition by weight of major prey taxa for red hake (*Urophycis chuss*) collected in the 1990s (n = 7,906). WDP = well-digested prey; Unid. Fish = unidentified fish.

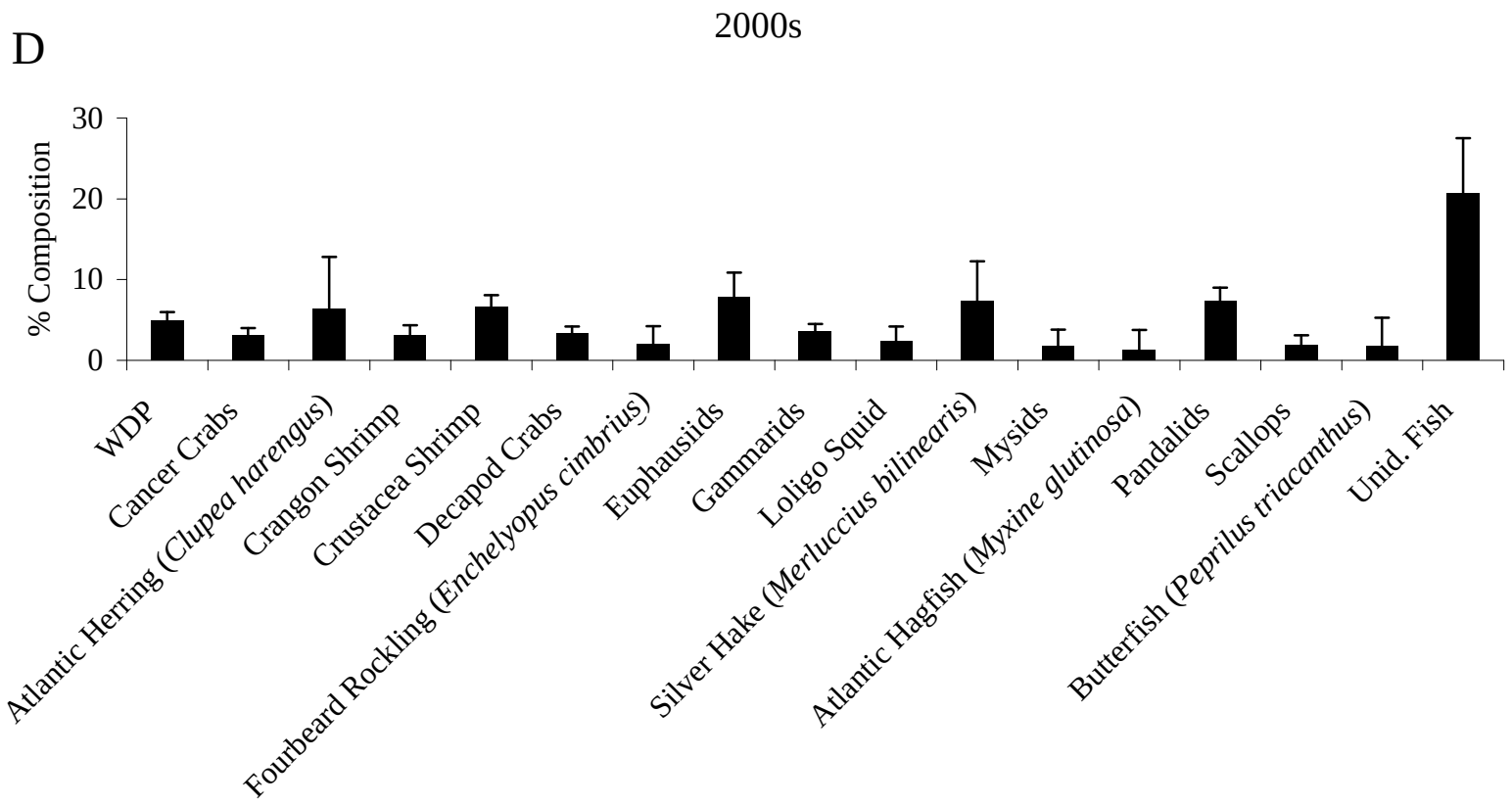

Figure 88D. Percent diet composition by weight of major prey taxa for red hake (*Urophycis chuss*) collected in the 2000s (n = 3,508). WDP = well-digested prey; Unid. Fish = unidentified fish.

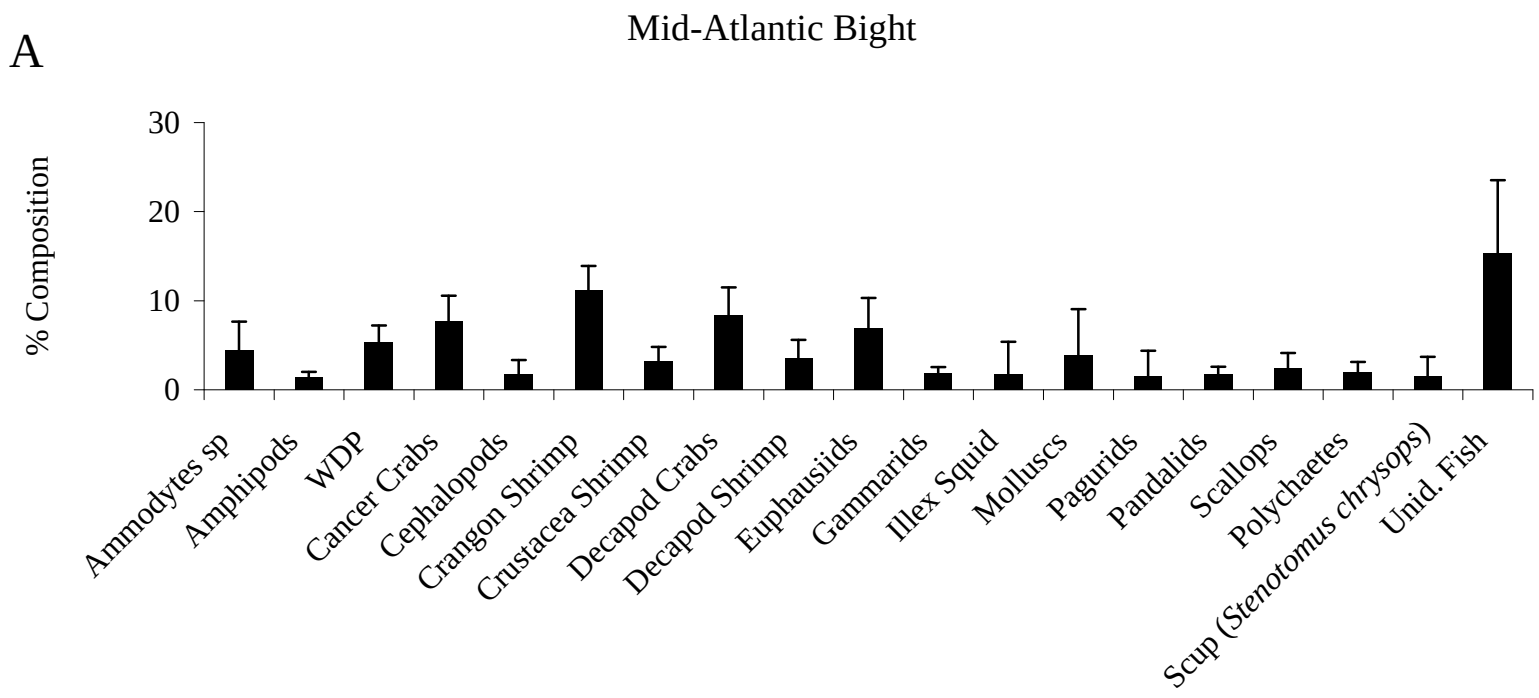

Figure 89A. Percent diet composition by weight of major prey taxa for red hake (*Urophycis chuss*) collected in the Mid-Atlantic Bight (n = 1,106). WDP = well-digested prey; Unid. Fish = unidentified fish.

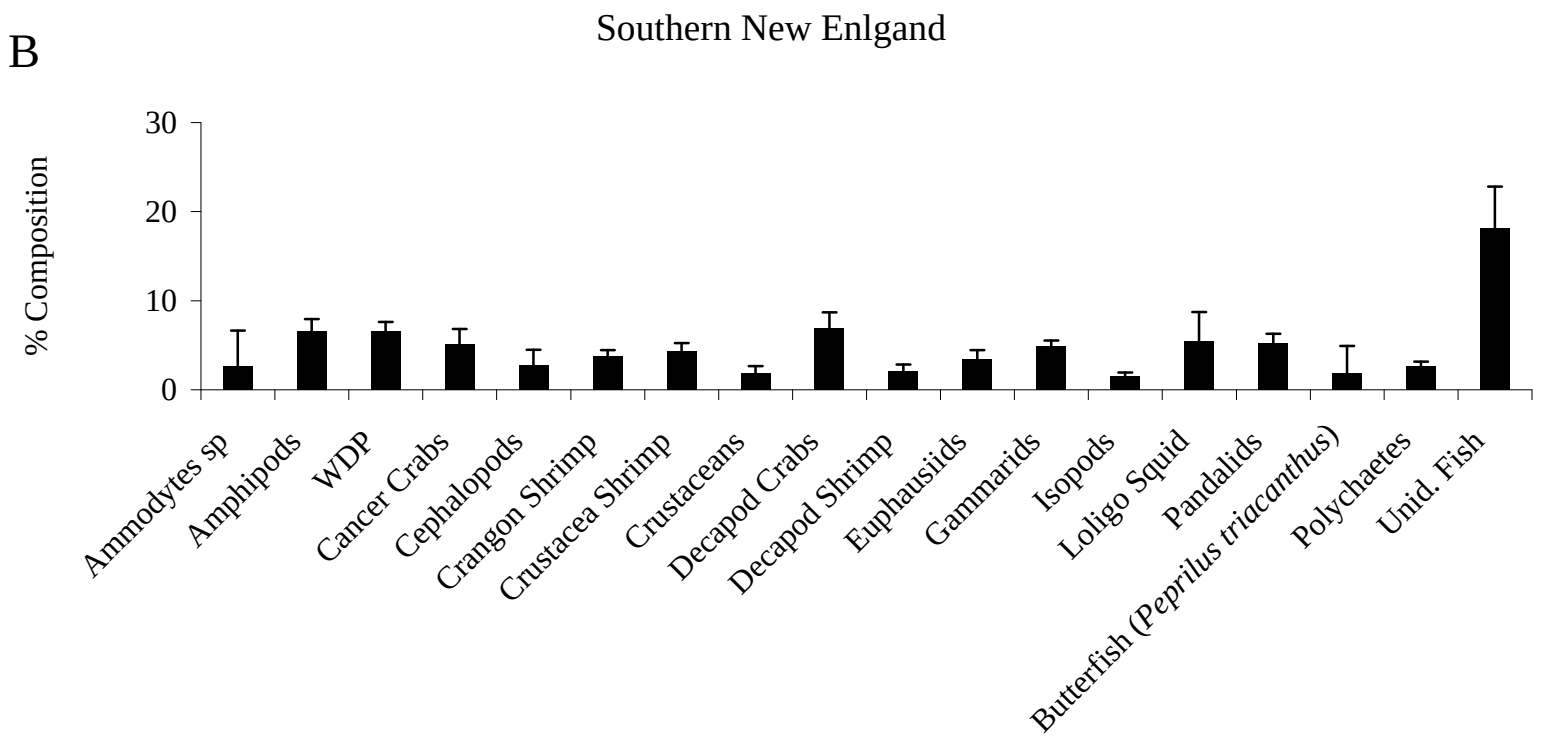

Figure 89B. Percent diet composition by weight of major prey taxa for red hake (*Urophycis chuss*) collected in Southern New England (n = 4,649). WDP = well-digested prey; Unid. Fish = unidentified fish.

C

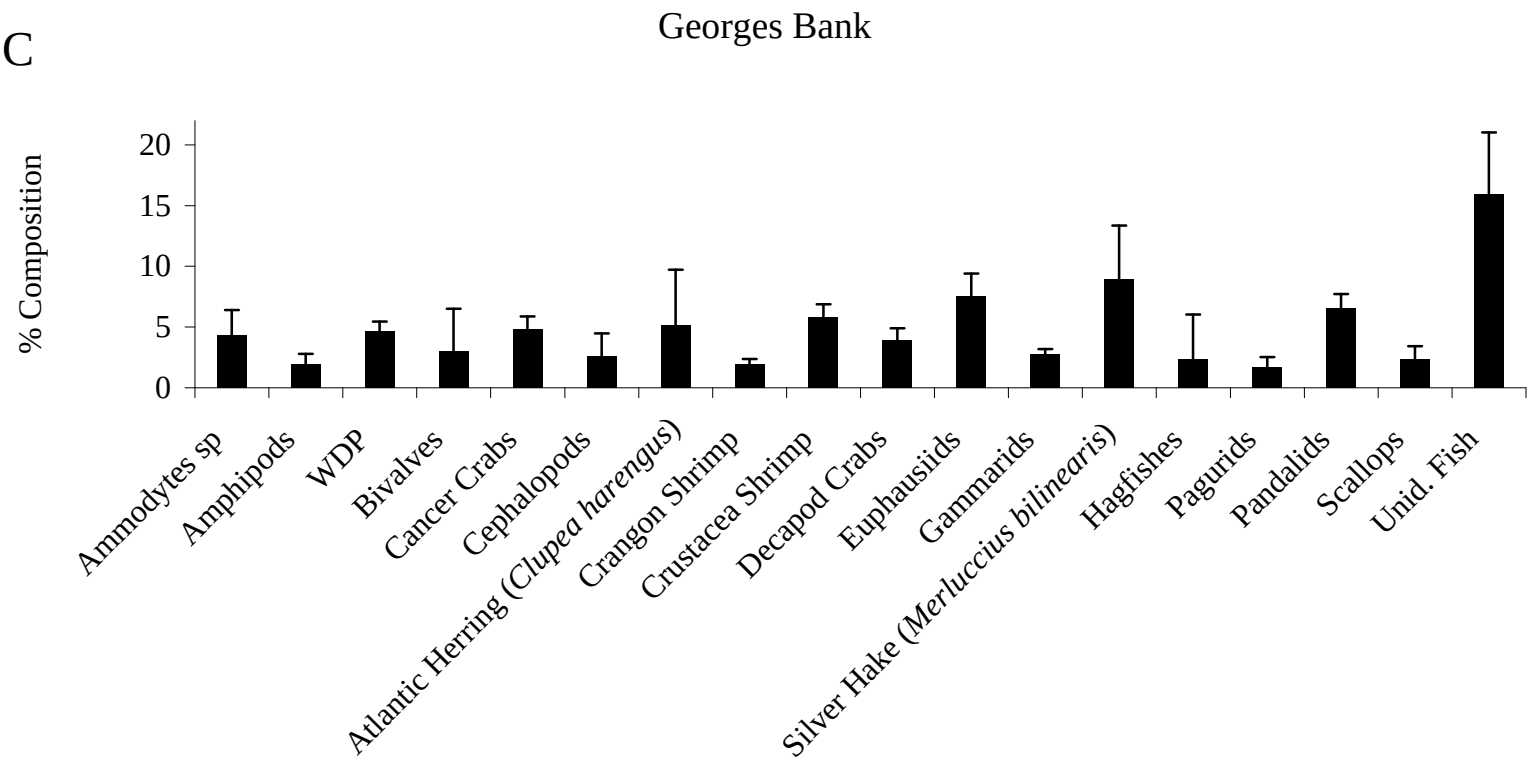

Figure 89C. Percent diet composition by weight of major prey taxa for red hake (*Urophycis chuss*) collected on Georges Bank (n = 4,022). WDP = well-digested prey; Unid. Fish = unidentified fish.

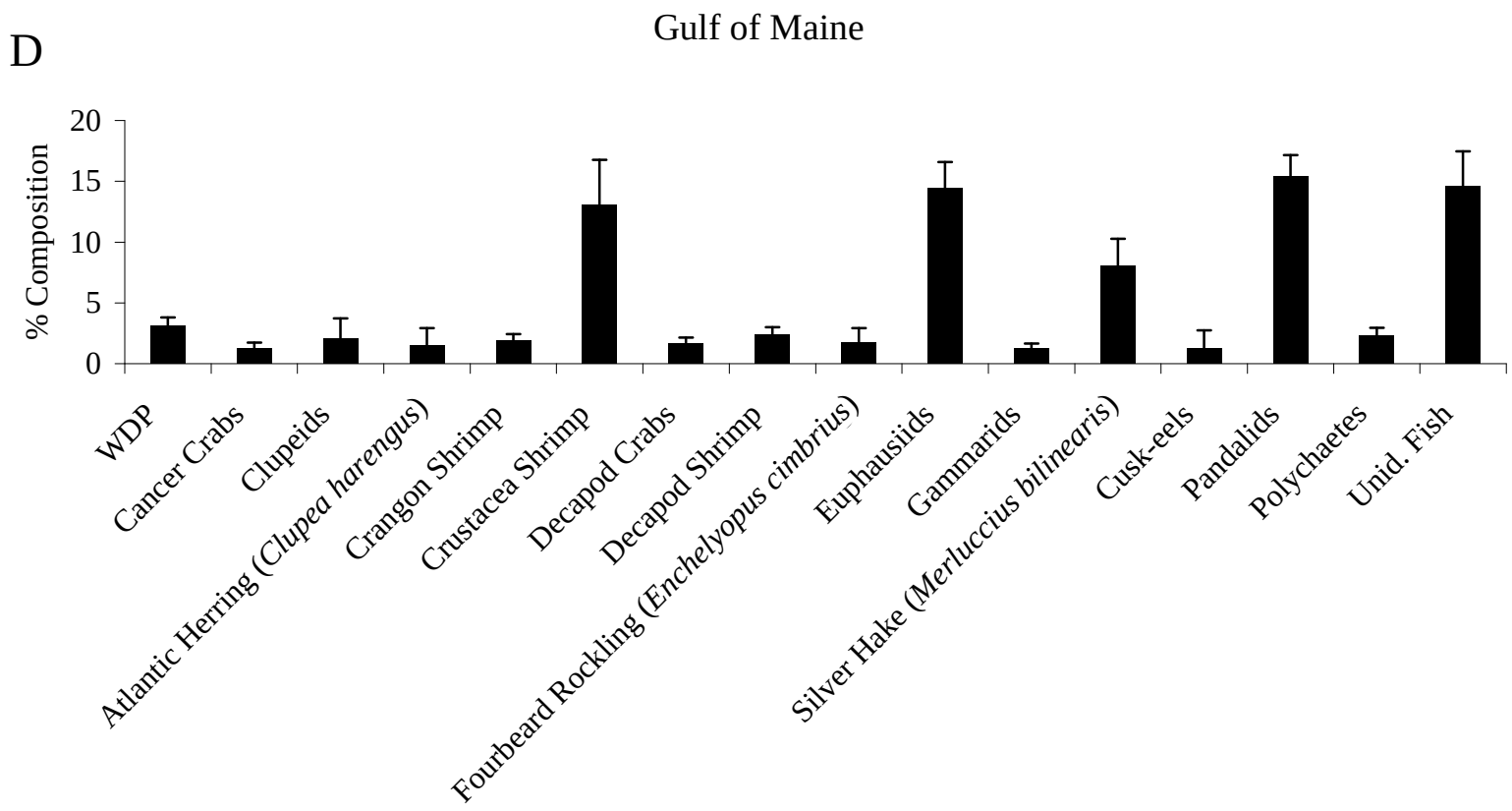

Figure 89D. Percent diet composition by weight of major prey taxa for red hake (*Urophycis chuss*) collected in the Gulf of Maine (n = 7,383). WDP = well-digested prey; Unid. Fish = unidentified fish.

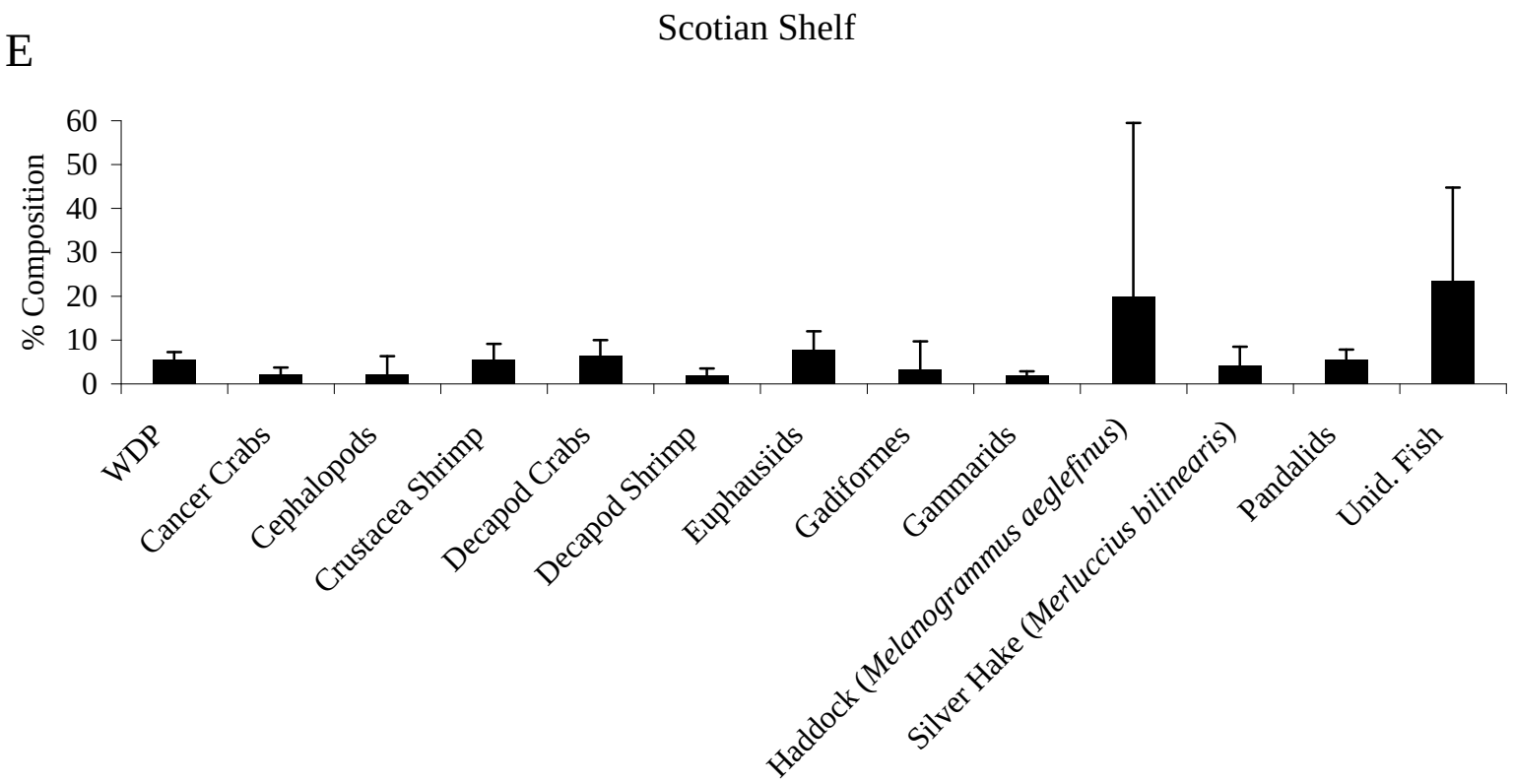

Figure 89E. Percent diet composition by weight of major prey taxa for red hake (*Urophycis chuss*) collected collected on the Scotian Shelf (n = 681). WDP = well-digested prey; Unid. Fish = unidentified fish.

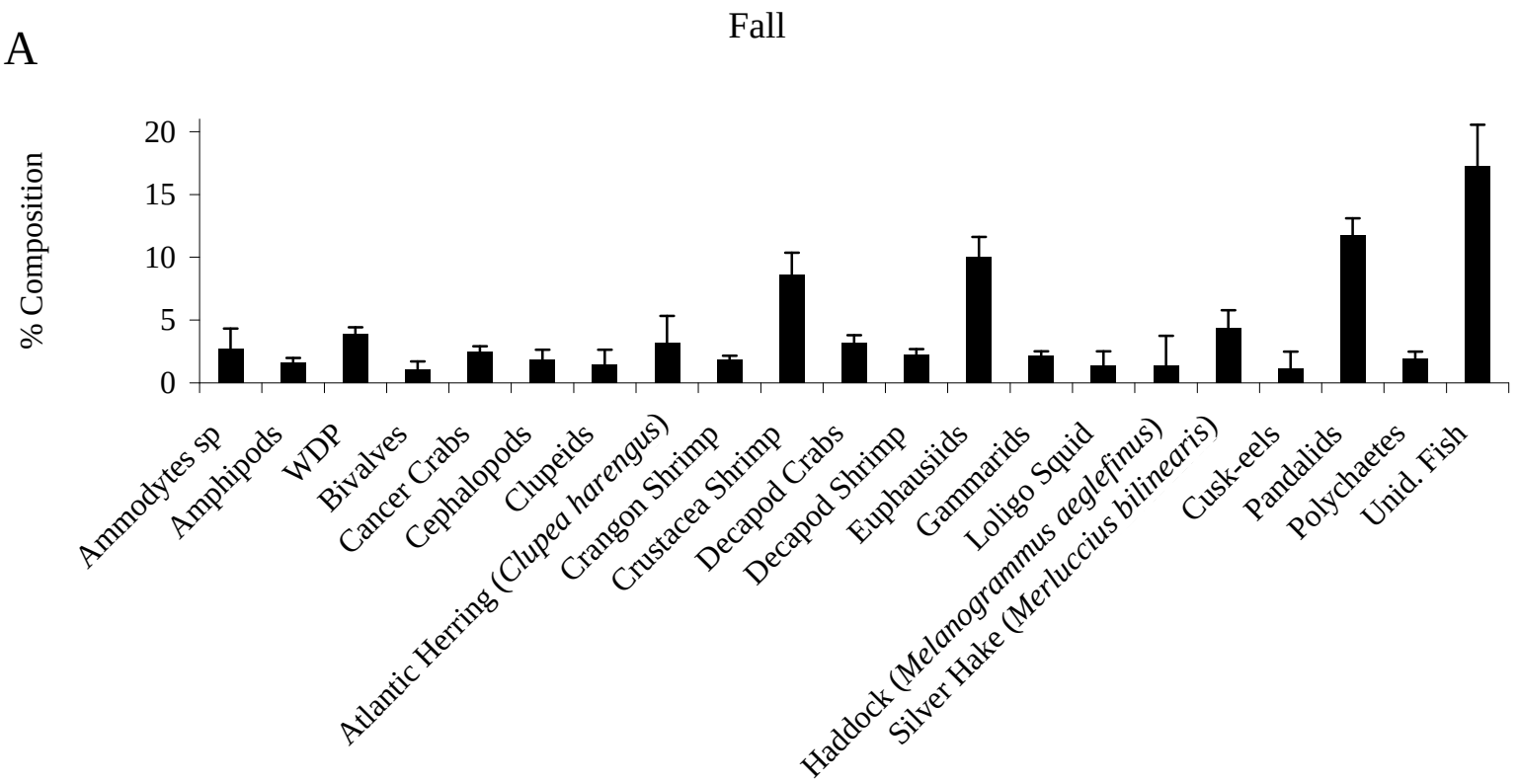

Figure 90A. Percent diet composition by weight of major prey taxa for red hake (*Urophycis chuss*) collected in the fall (n = 8,399). WDP = well-digested prey; Unid. Fish = unidentified fish.

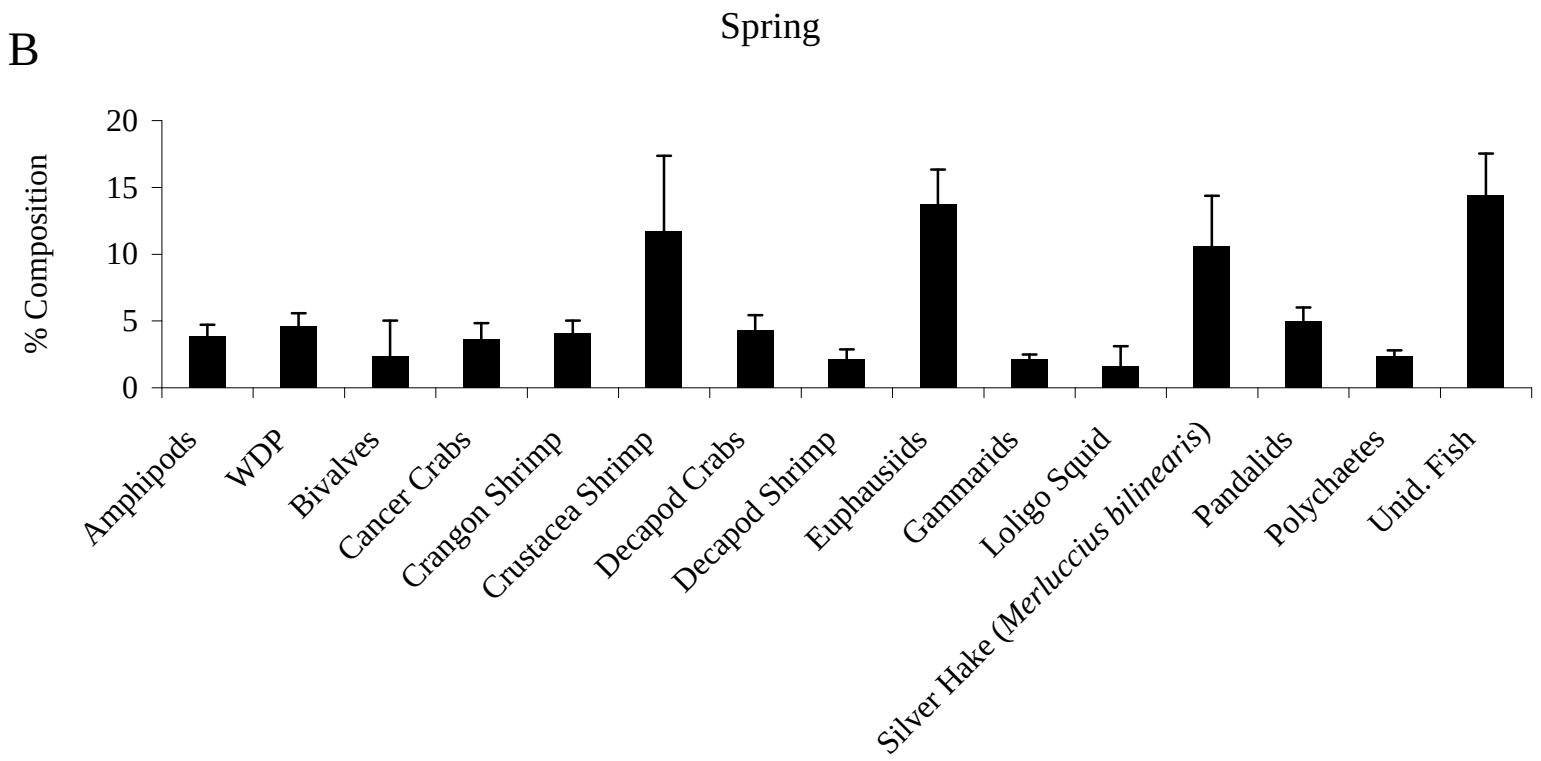

Figure 90B. Percent diet composition by weight of major prey taxa for red hake (*Urophycis chuss*) collected in the spring (n = 6,437). WDP = well-digested prey; Unid. Fish = unidentified fish.

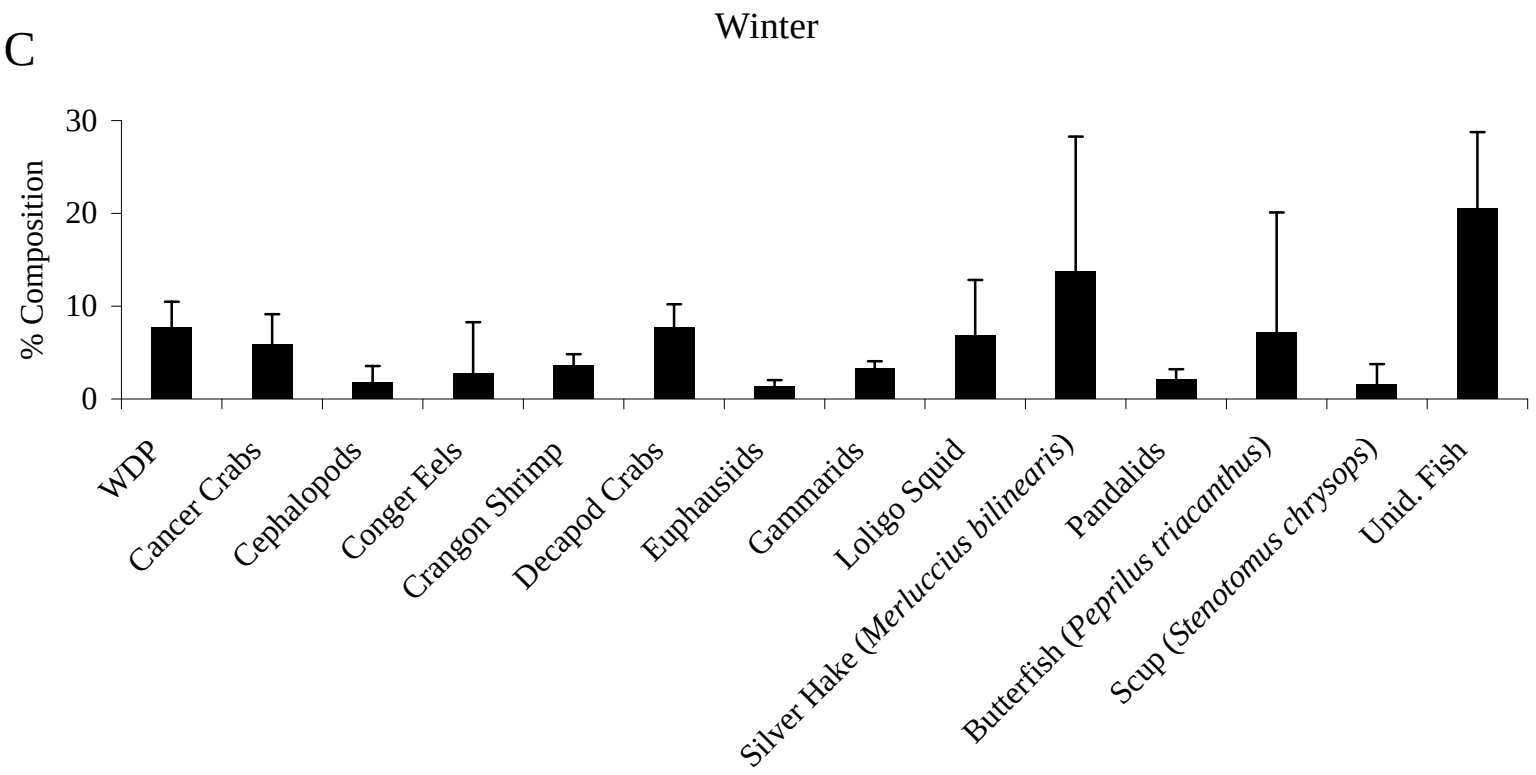

Figure 90C. Percent diet composition by weight of major prey taxa for red hake (*Urophycis chuss*) collected in the winter (n = 1,270). WDP = well-digested prey; Unid. Fish = unidentified fish.

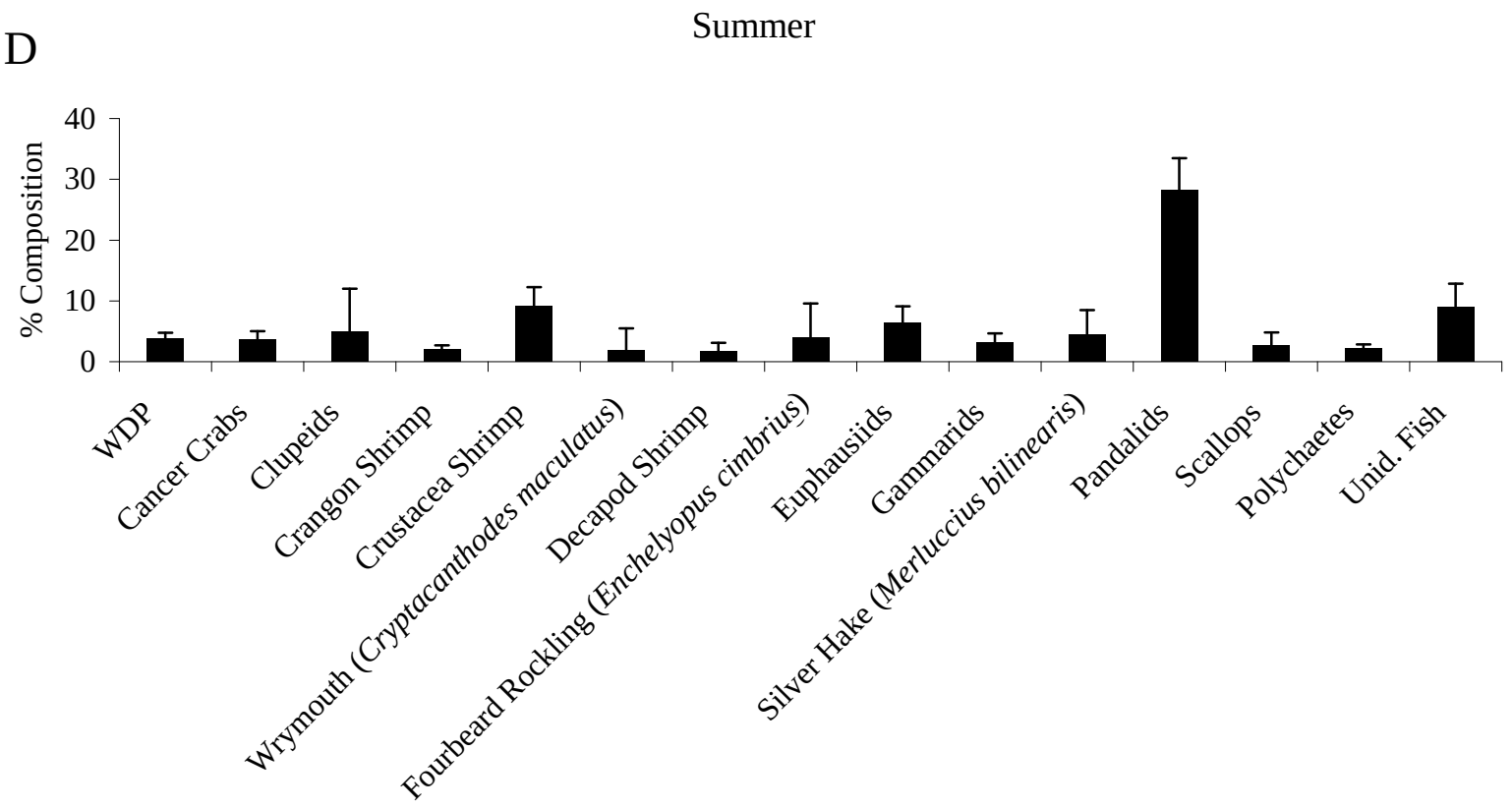

Figure 90D. Percent diet composition by weight of major prey taxa for red hake (*Urophycis chuss*) collected in the summer (n = 1,735). WDP = well-digested prey; Unid. Fish = unidentified fish.

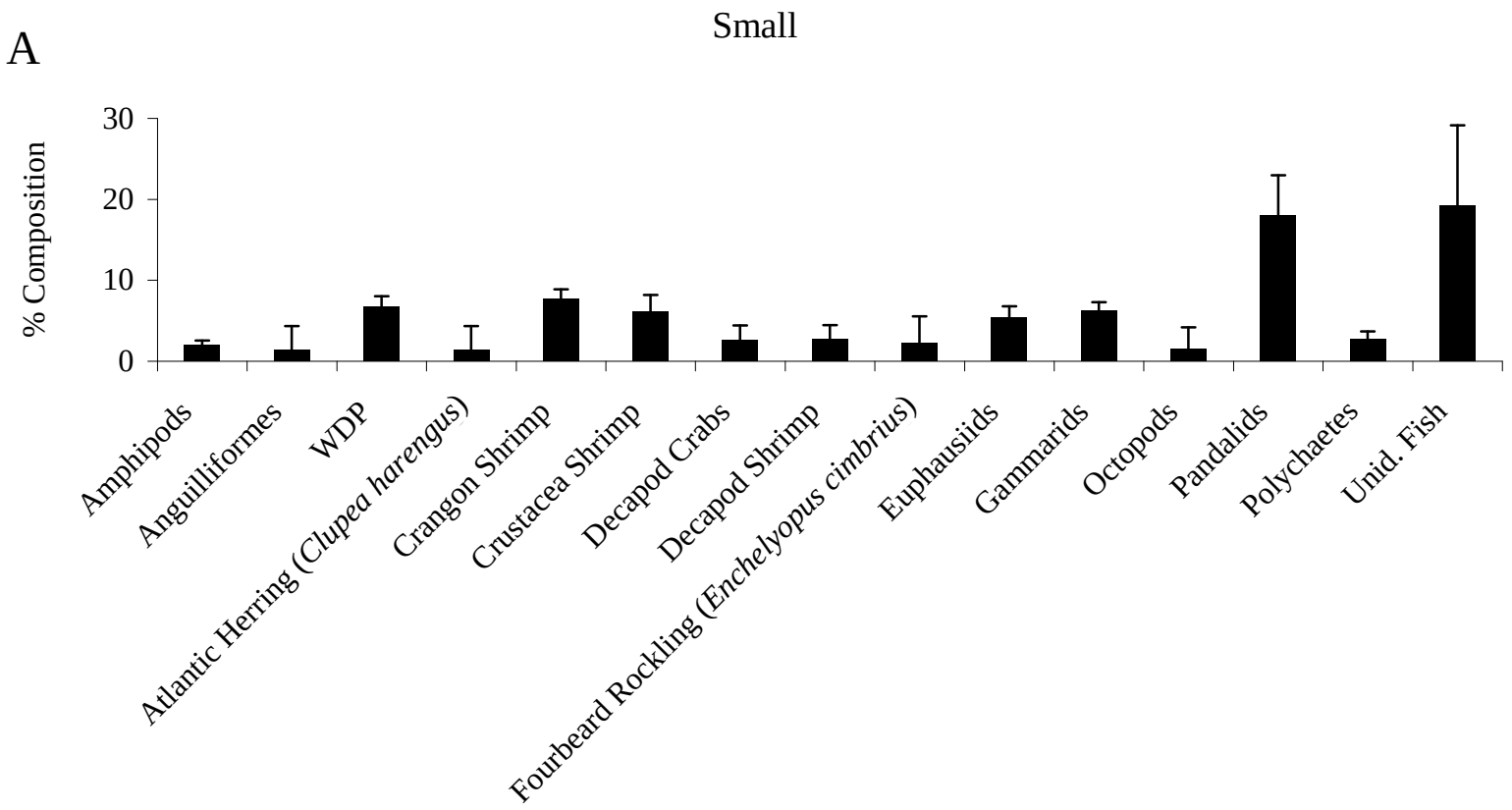

Figure 91A. Percent diet composition by weight of major prey taxa for red hake (*Urophycis chuss*) collected in the small size class (n = 3,493). WDP = well-digested prey; Unid. Fish = unidentified fish.

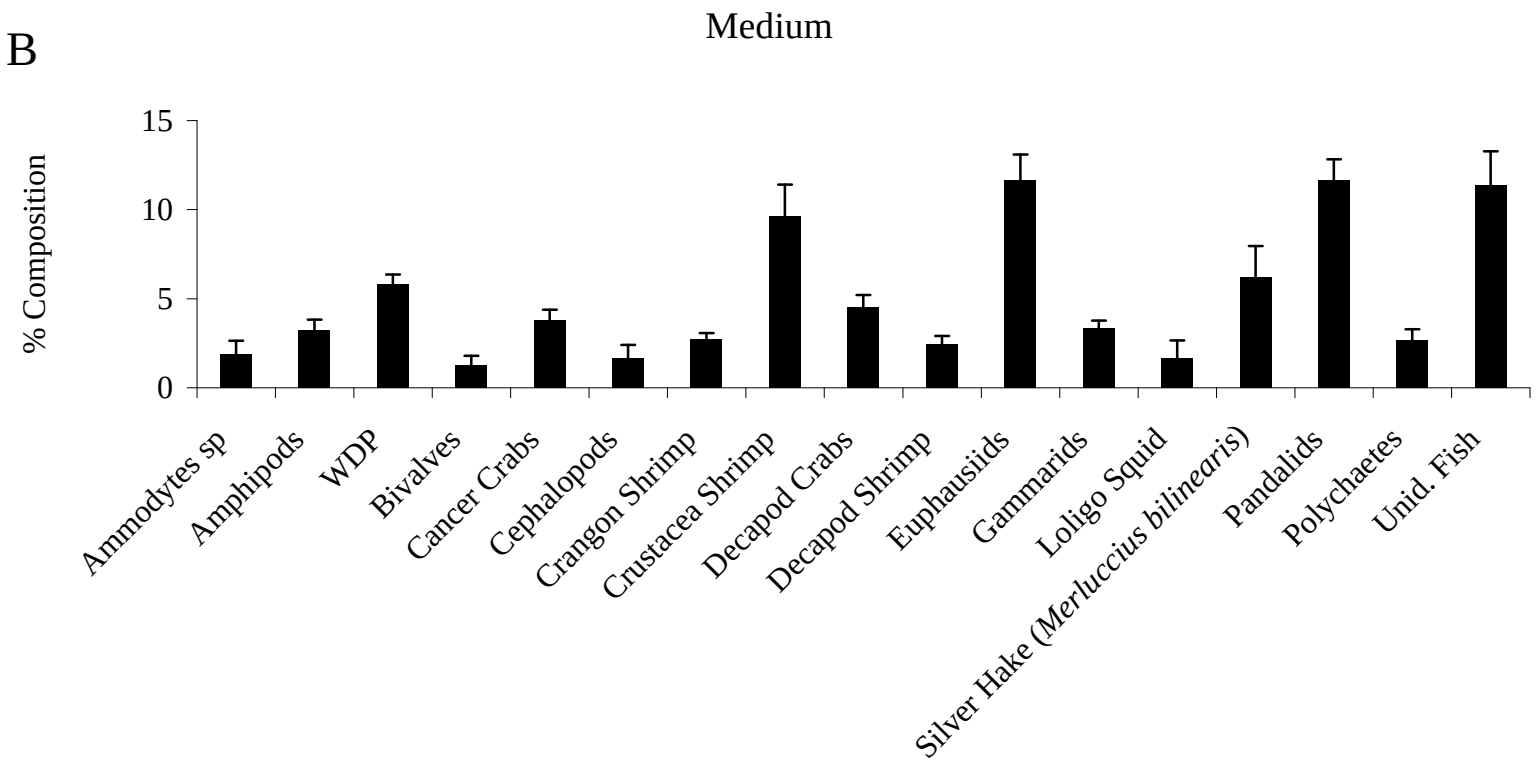

Figure 91B. Percent diet composition by weight of major prey taxa for red hake (*Urophycis chuss*) collected in the medium size class (n = 12,273). WDP = well-digested prey; Unid. Fish = unidentified fish.

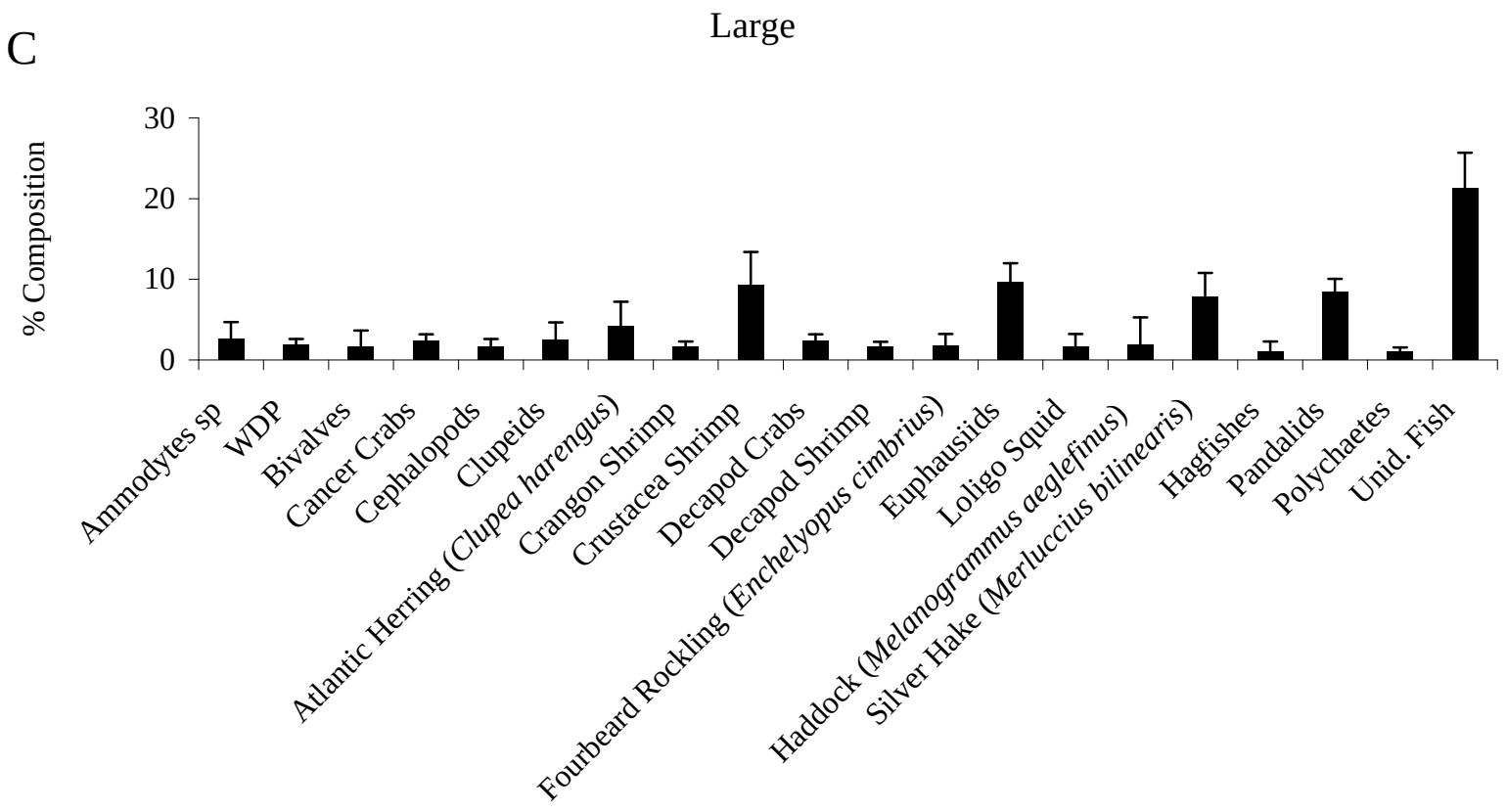

Figure 91C. Percent diet composition by weight of major prey taxa for red hake (*Urophycis chuss*) collected in the large size class (n = 2,075). WDP = well-digested prey; Unid. Fish = unidentified fish.

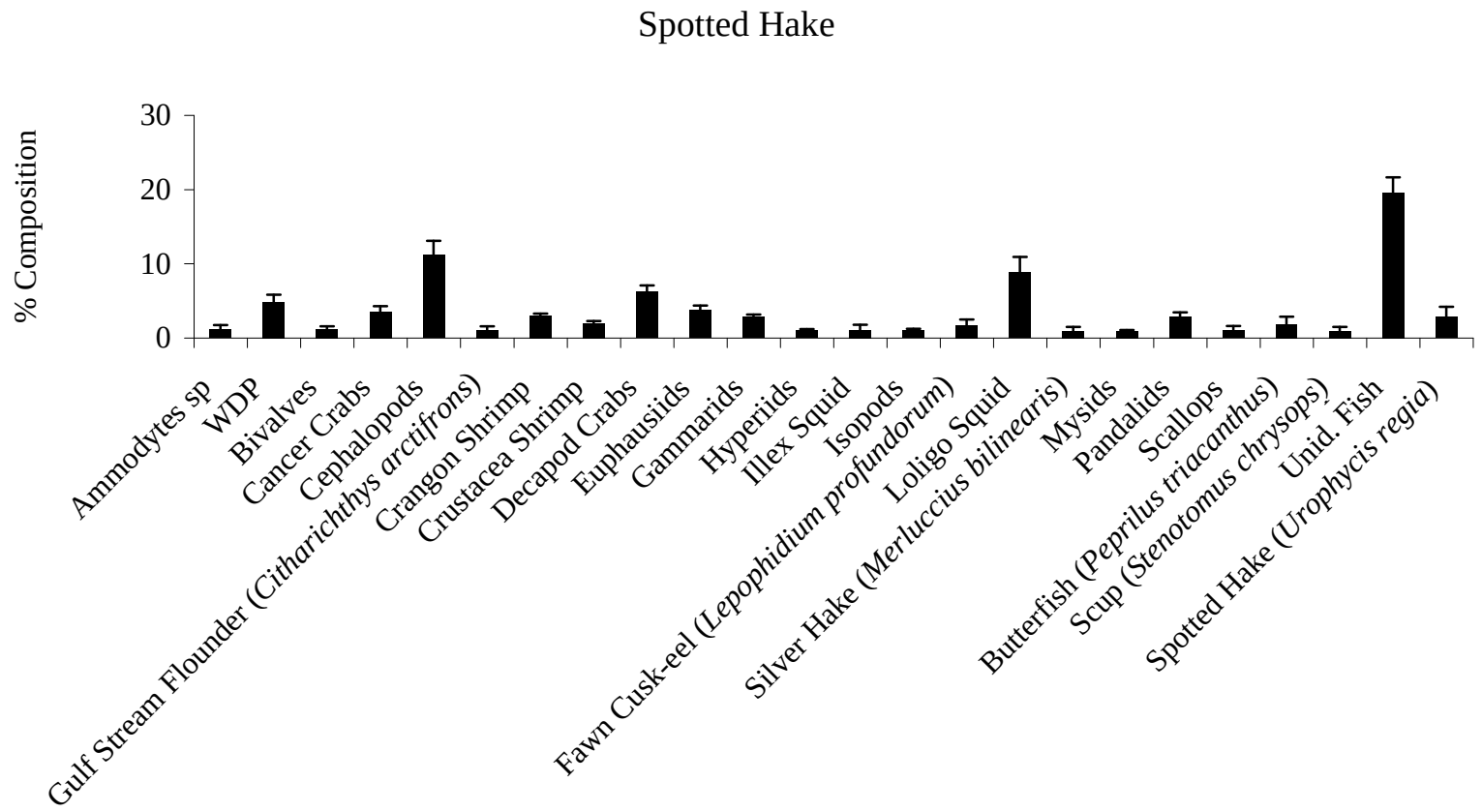

Figure 92. Percent diet composition by weight of major prey taxa for spotted hake (*Urophycis regia*; n = 13,297). WDP = well-digested prey; Unid. Fish = unidentified fish.

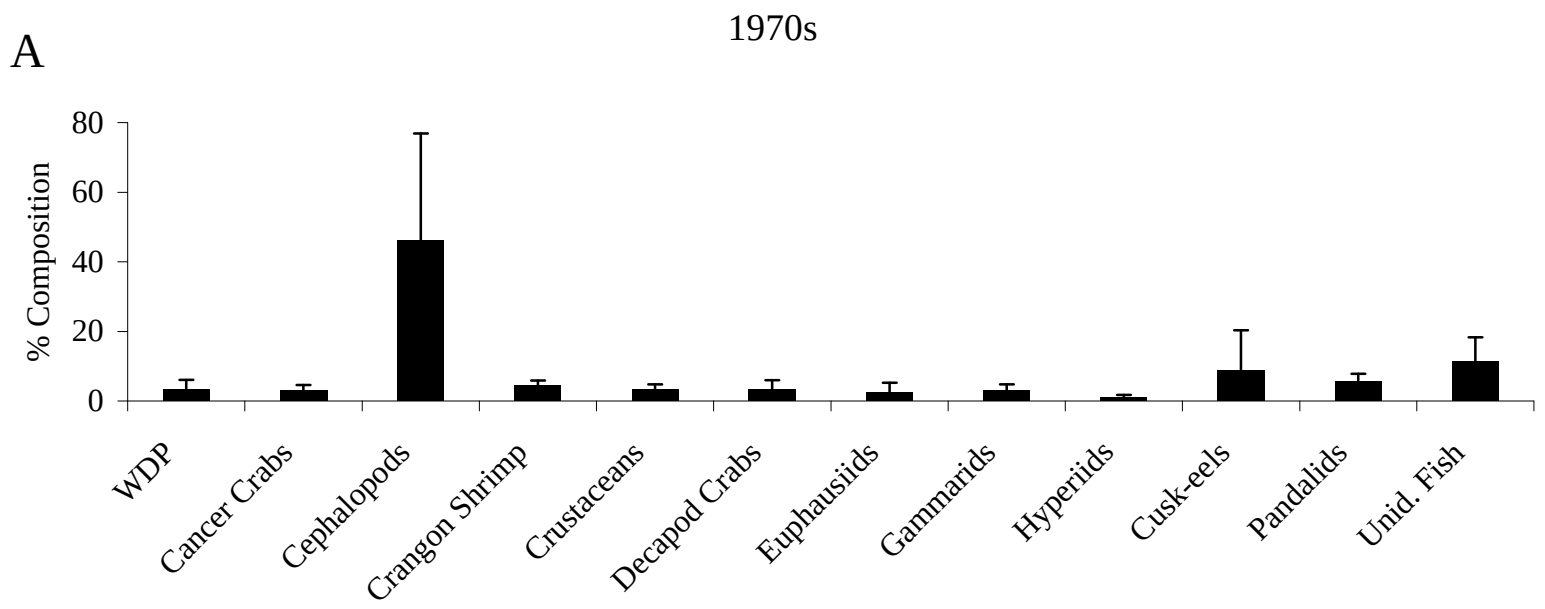

Figure 93A. Percent diet composition by weight of major prey taxa for spotted hake (*Urophycis regia*) collected in the 1970s (n = 476). WDP = well-digested prey; Unid. Fish = unidentified fish.

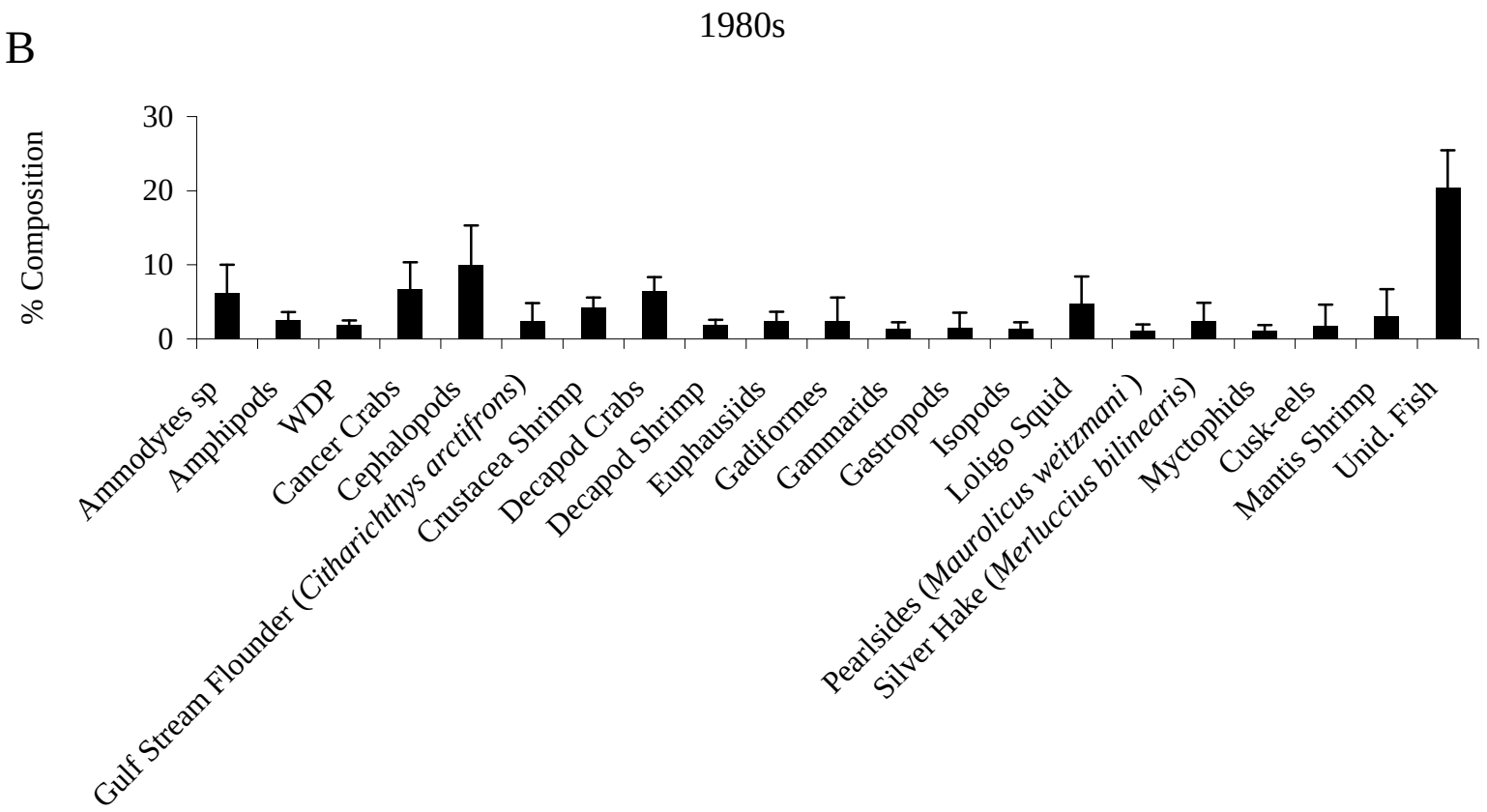

Figure 93B. Percent diet composition by weight of major prey taxa for spotted hake (*Urophycis regia*) collected collected in the 1980s (n = 1,296). WDP = well-digested prey; Unid. Fish = unidentified fish.

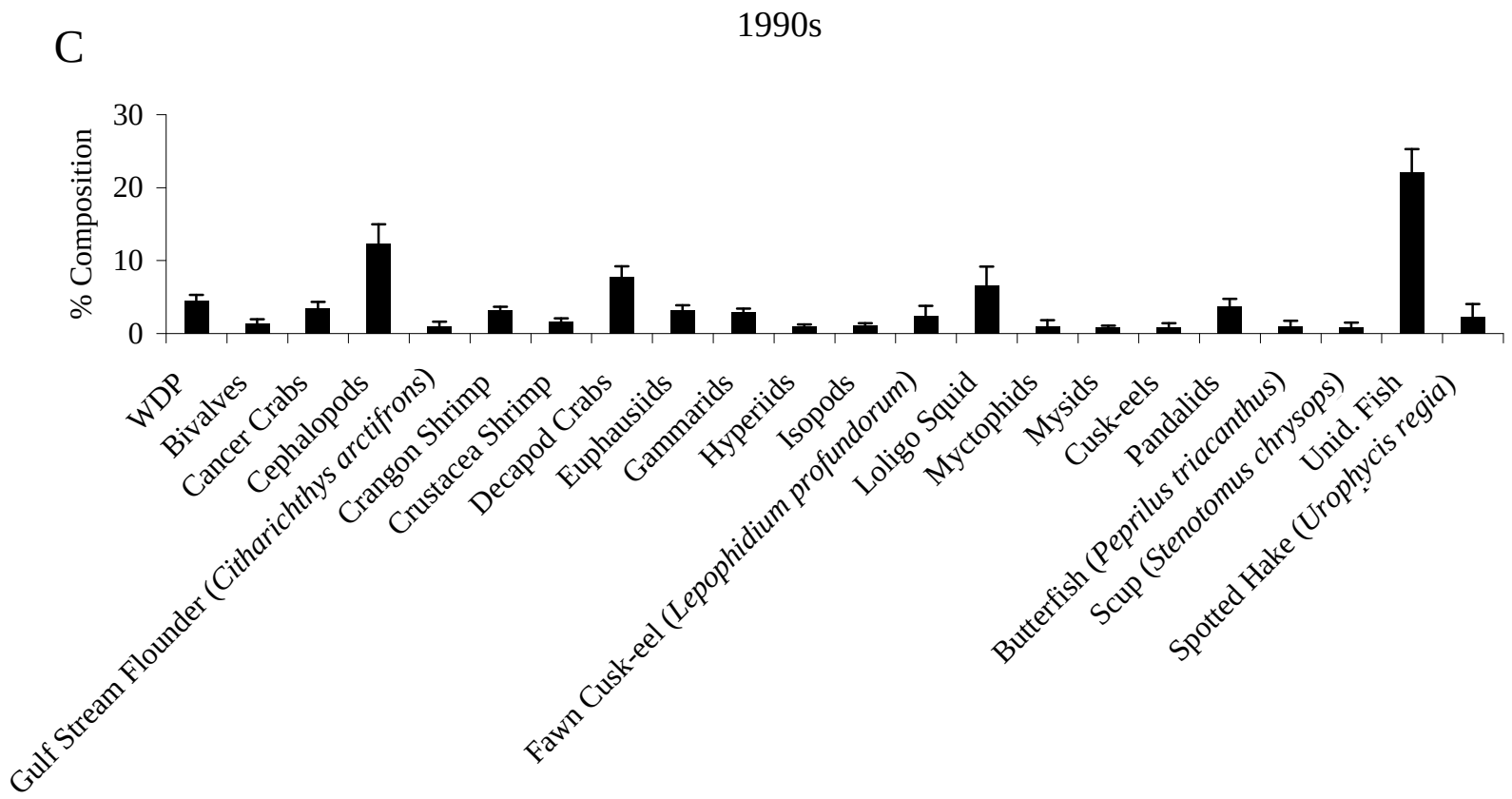

Figure 93C. Percent diet composition by weight of major prey taxa for spotted hake (*Urophycis regia*) collected in the 1990s (n = 7,042). WDP = well-digested prey; Unid. Fish = unidentified fish.

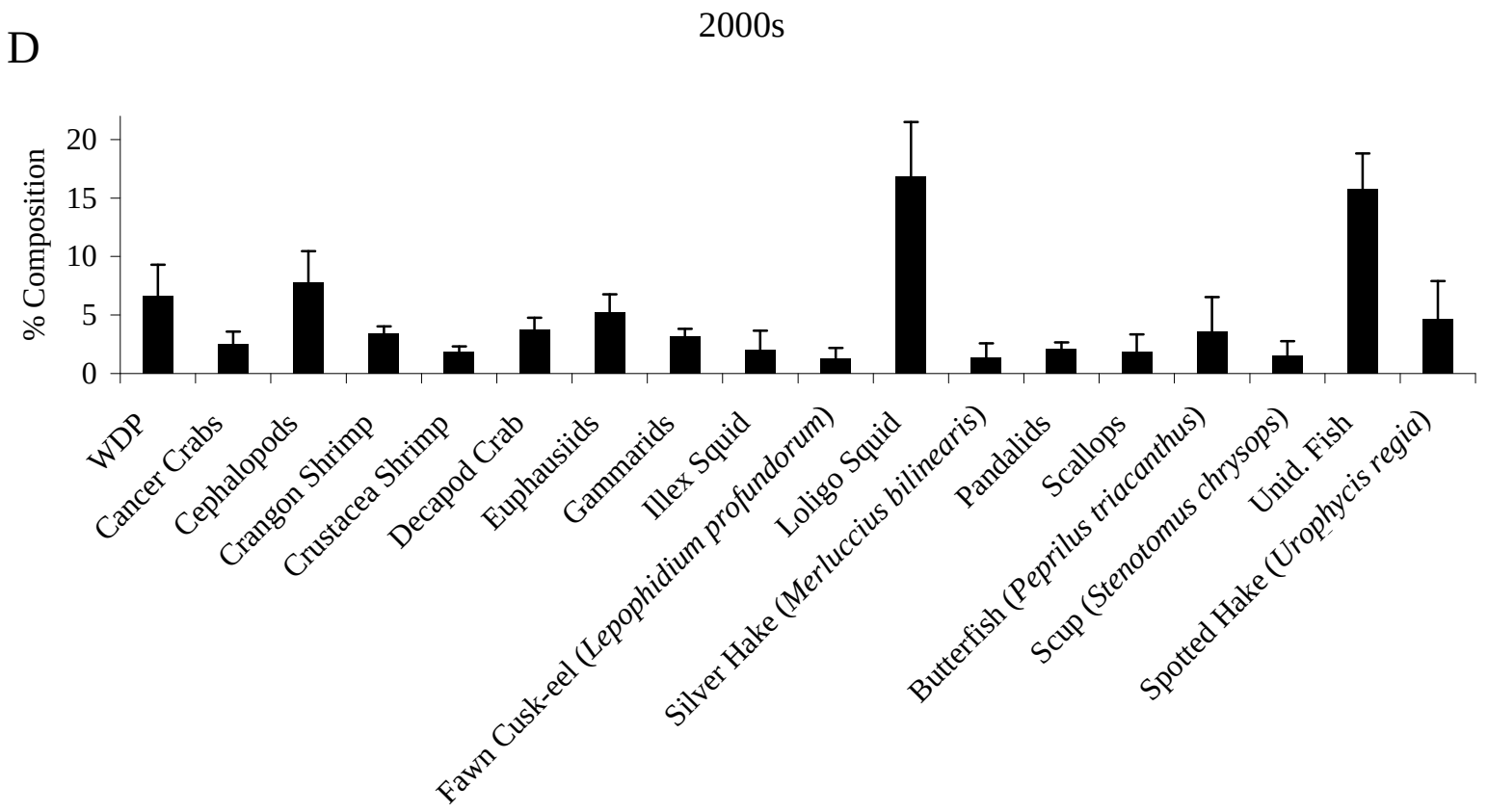

Figure 93D. Percent diet composition by weight of major prey taxa for spotted hake (*Urophycis regia*) collected in the 2000s (n = 4,483). WDP = well-digested prey; Unid. Fish = unidentified fish.

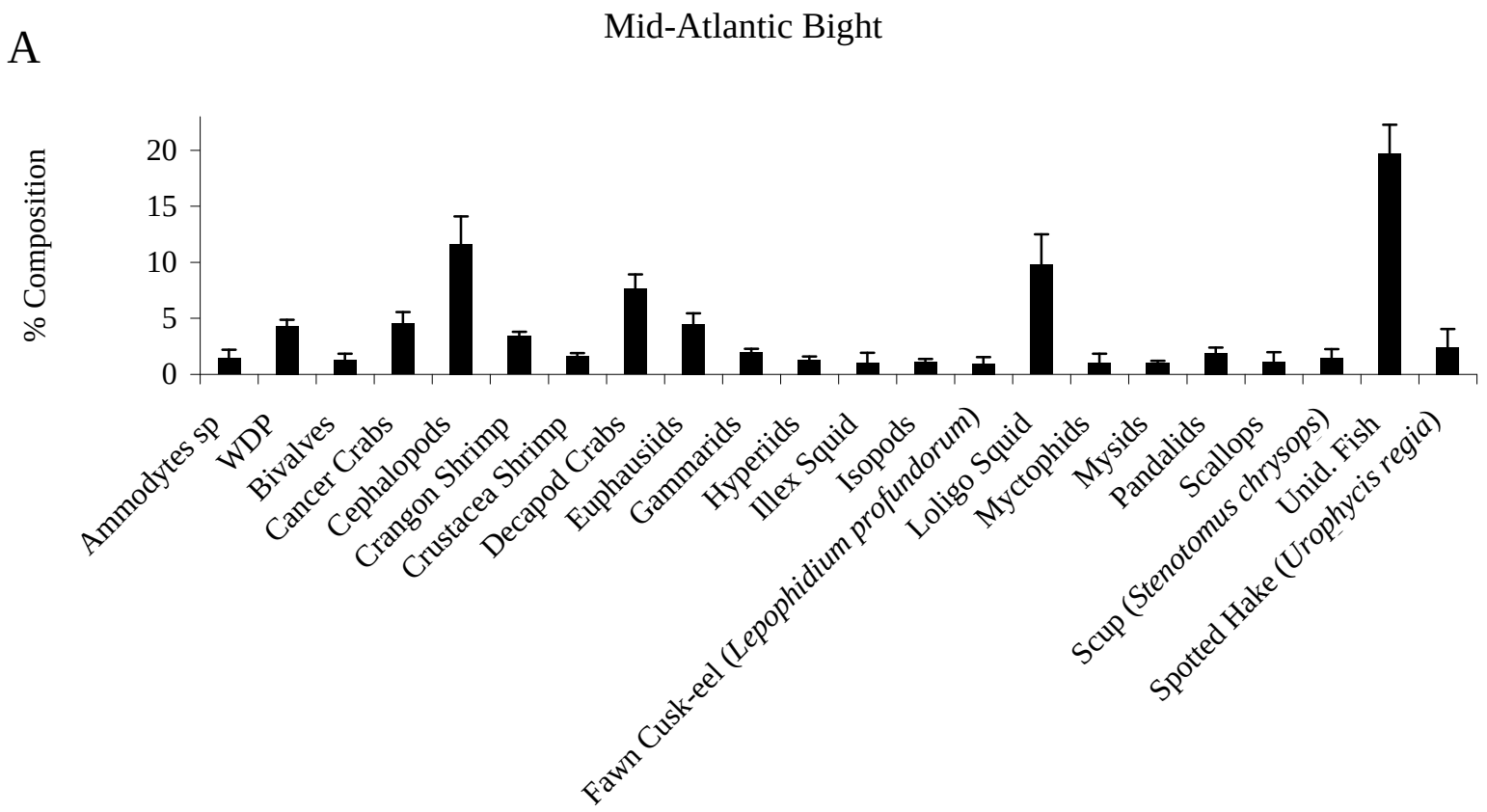

Figure 94A. Percent diet composition by weight of major prey taxa for spotted hake (*Urophycis regia*) collected collected in the Mid-Atlantic Bight (n = 8,908). WDP = well-digested prey; Unid. Fish = unidentified fish.

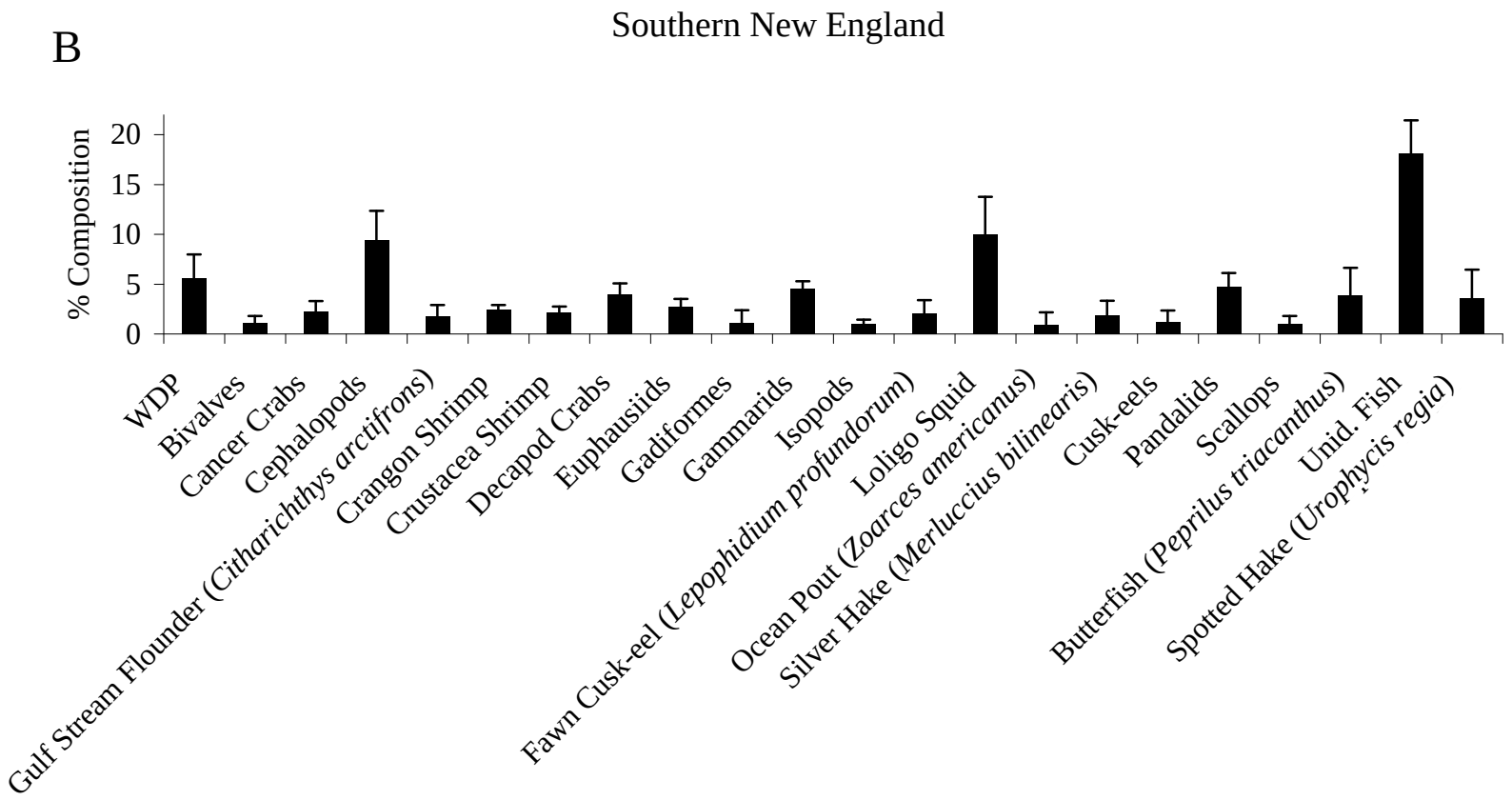

Figure 94B. Percent diet composition by weight of major prey taxa for spotted hake (*Urophycis regia*) collected in Southern New England (n = 3,809). WDP = well-digested prey; Unid. Fish = unidentified fish.

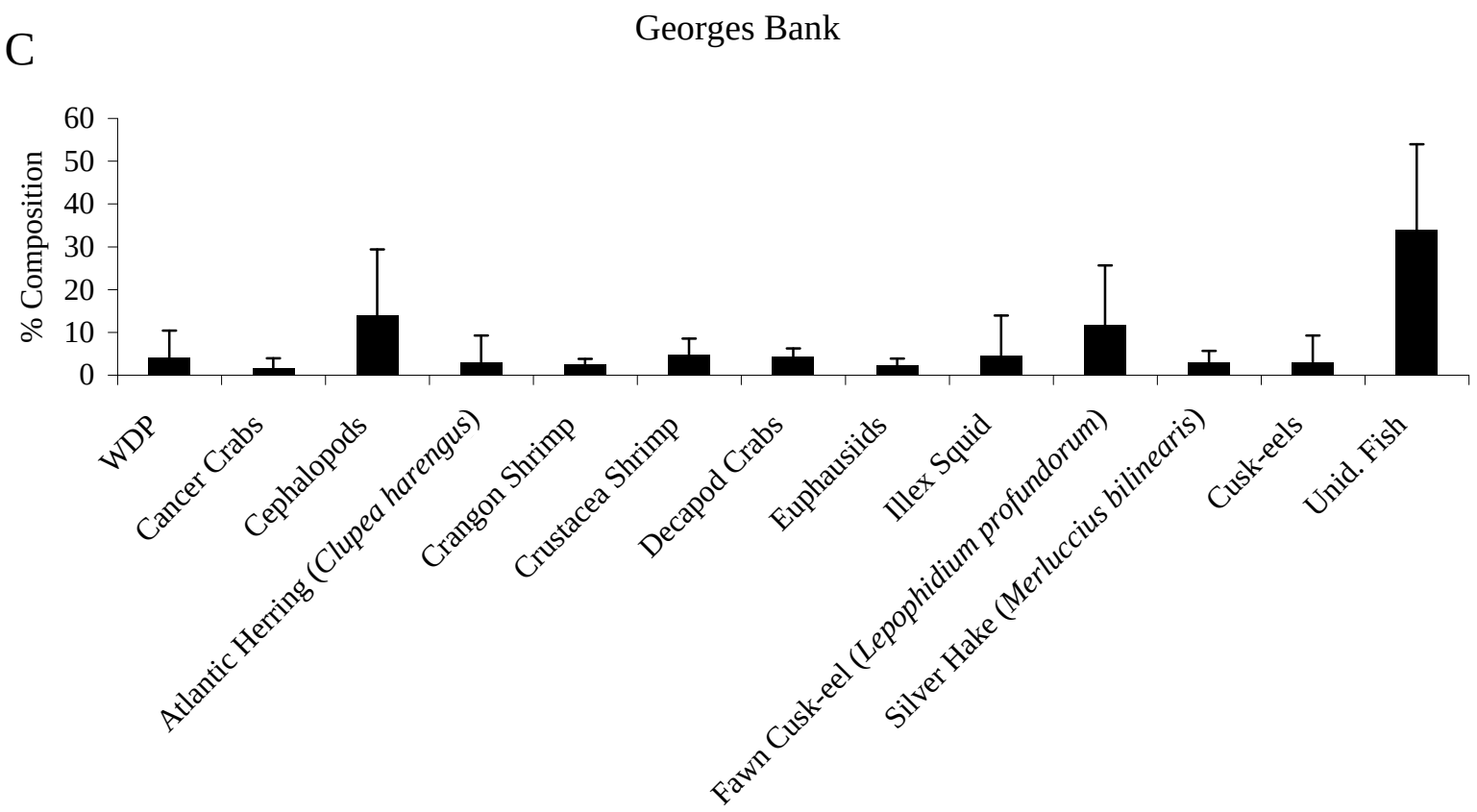

Figure 94C. Percent diet composition by weight of major prey taxa for spotted hake (*Urophycis regia*) collected on Georges Bank (n = 304). WDP = well-digested prey; Unid. Fish = unidentified fish.

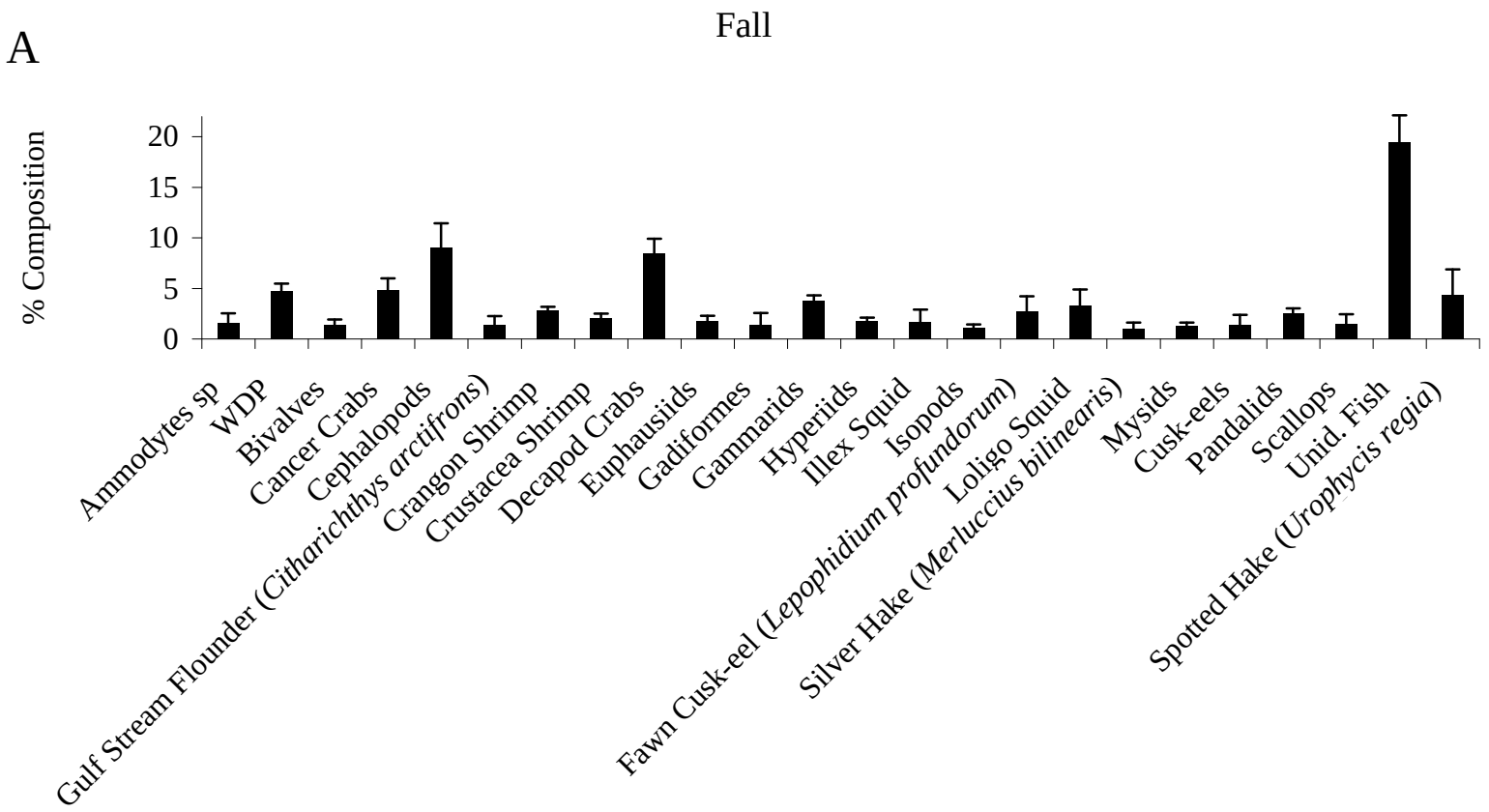

Figure 95A. Percent diet composition by weight of major prey taxa for spotted hake (*Urophycis regia*) collected in the fall (n = 6,677). WDP = well-digested prey; Unid. Fish = unidentified fish.

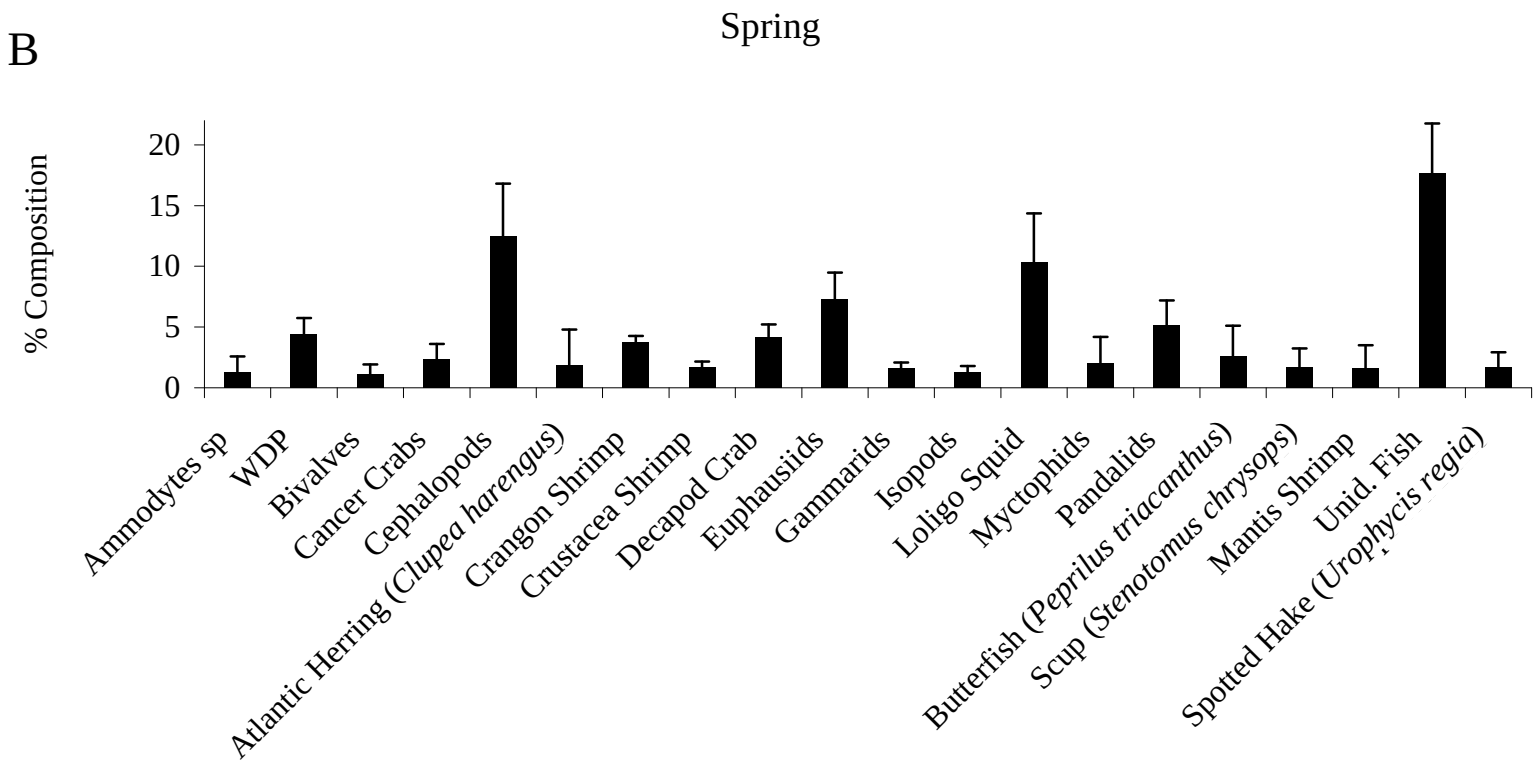

Figure 95B. Percent diet composition by weight of major prey taxa for spotted hake (*Urophycis regia*) collected in the spring (n = 3,471). WDP = well-digested prey; Unid. Fish = unidentified fish.

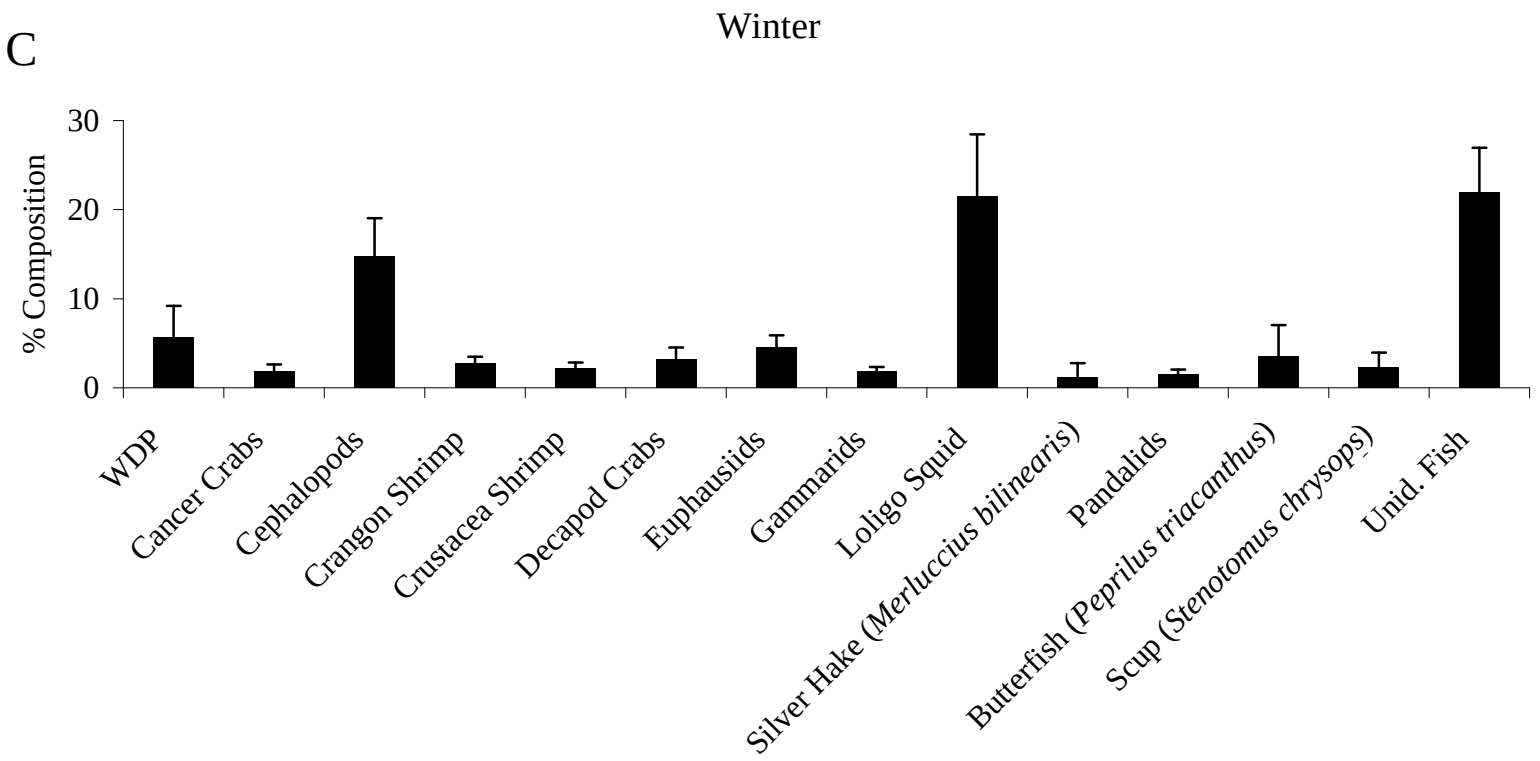

Figure 95C. Percent diet composition by weight of major prey taxa for spotted hake (*Urophycis regia*) collected in the winter (n = 3,100). WDP = well-digested prey; Unid. Fish = unidentified fish.

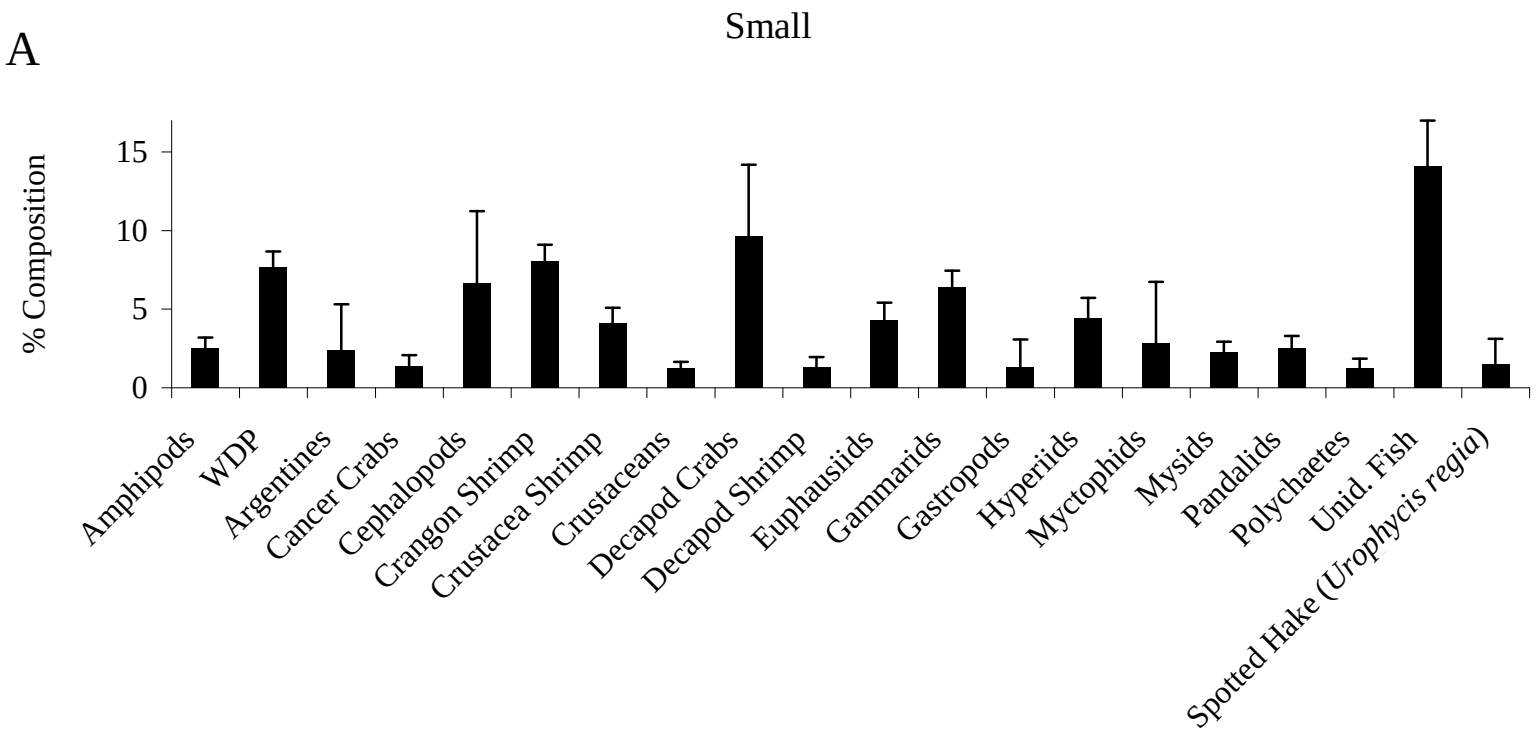

Figure 96A. Percent diet composition by weight of major prey taxa for spotted hake (*Urophycis regia*) in the small size class (n = 4,276). WDP = well-digested prey; Unid. Fish = unidentified fish.

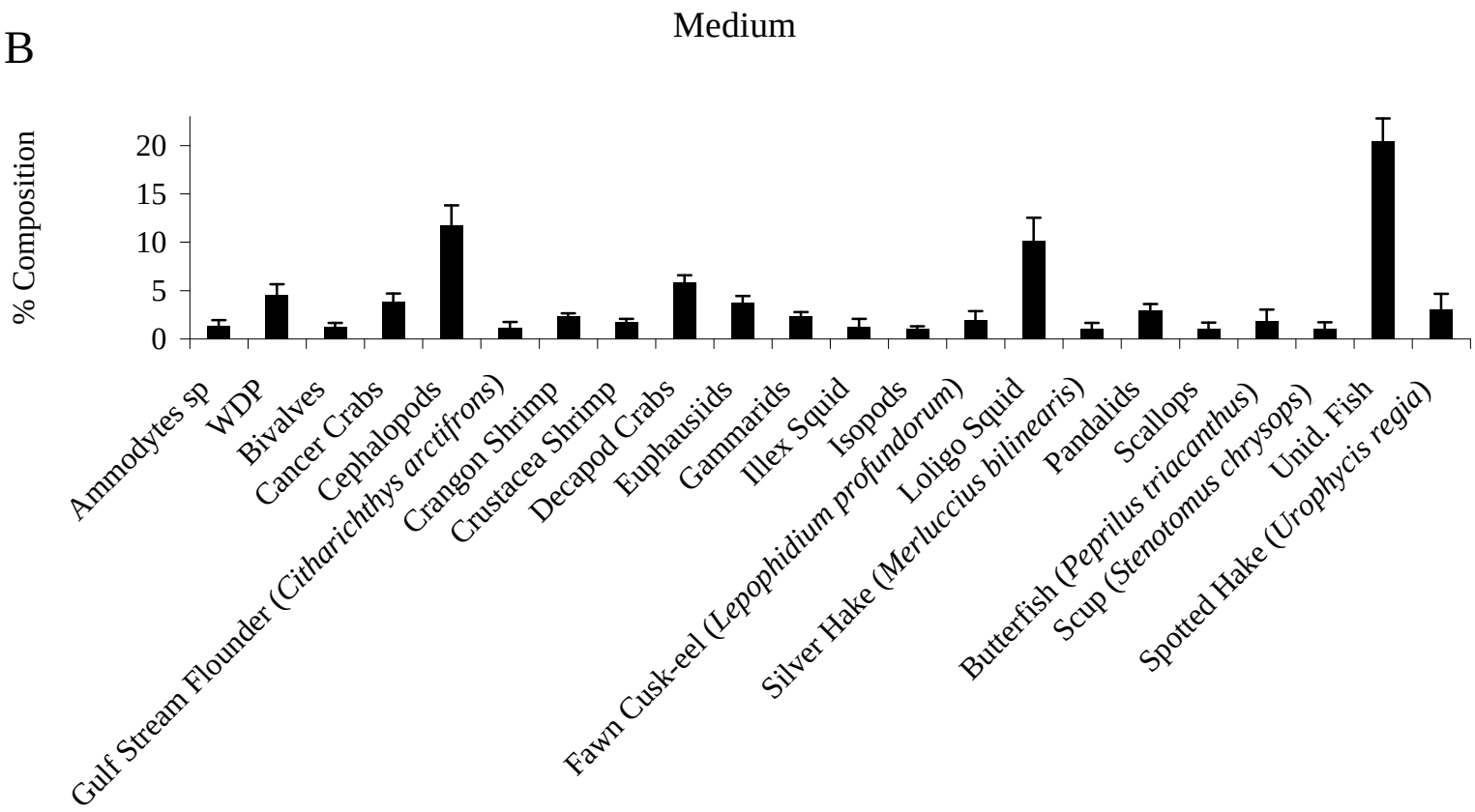

Figure 96B. Percent diet composition by weight of major prey taxa for spotted hake (*Urophycis regia*) in the medium size class (n = 8,995). WDP = well-digested prey; Unid. Fish = unidentified fish.

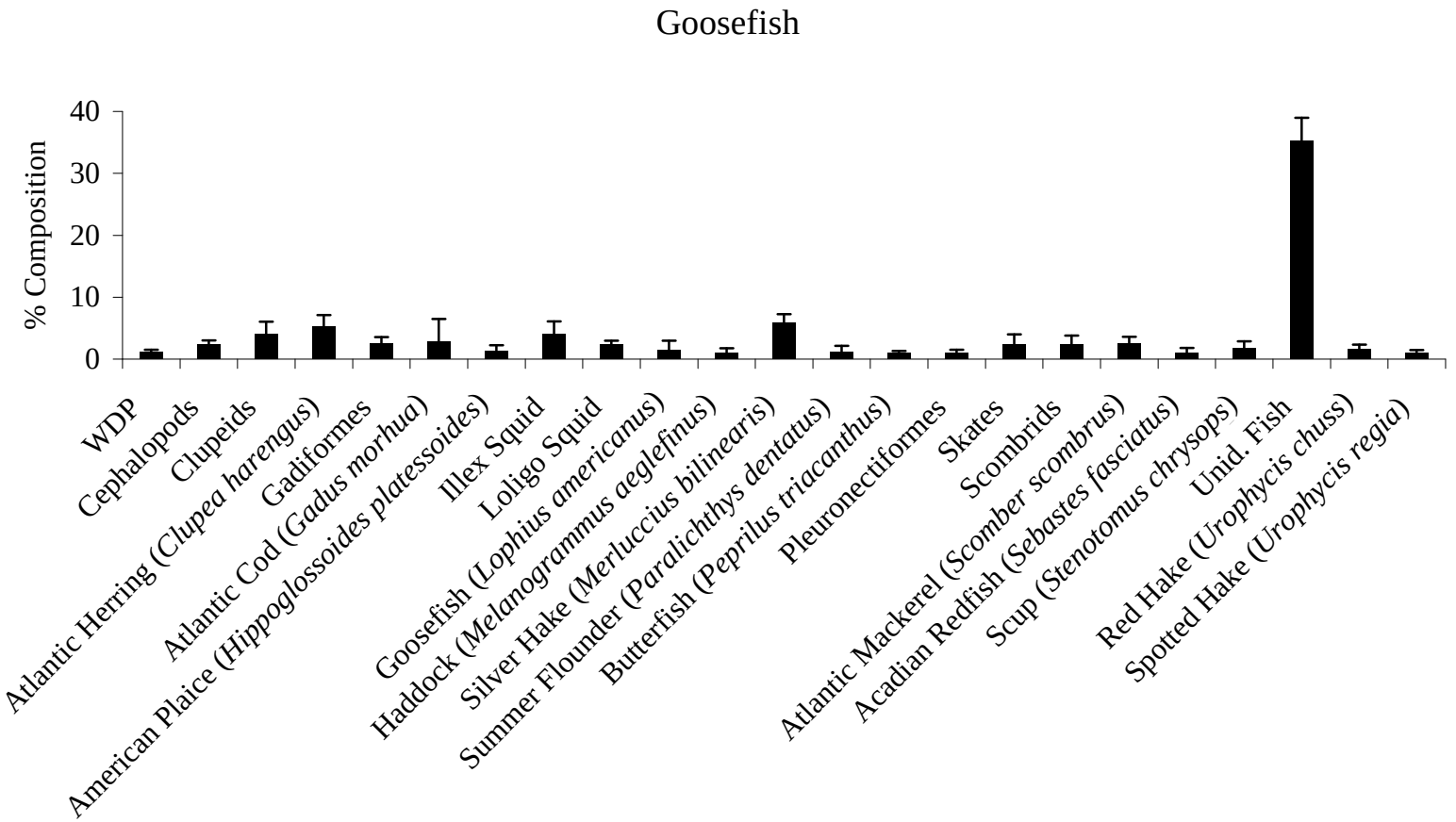

Figure 97. Percent diet composition by weight of major prey taxa for goosefish (*Lophius americanus*; n = 10,188). WDP = well-digested prey; Unid. Fish = unidentified fish.

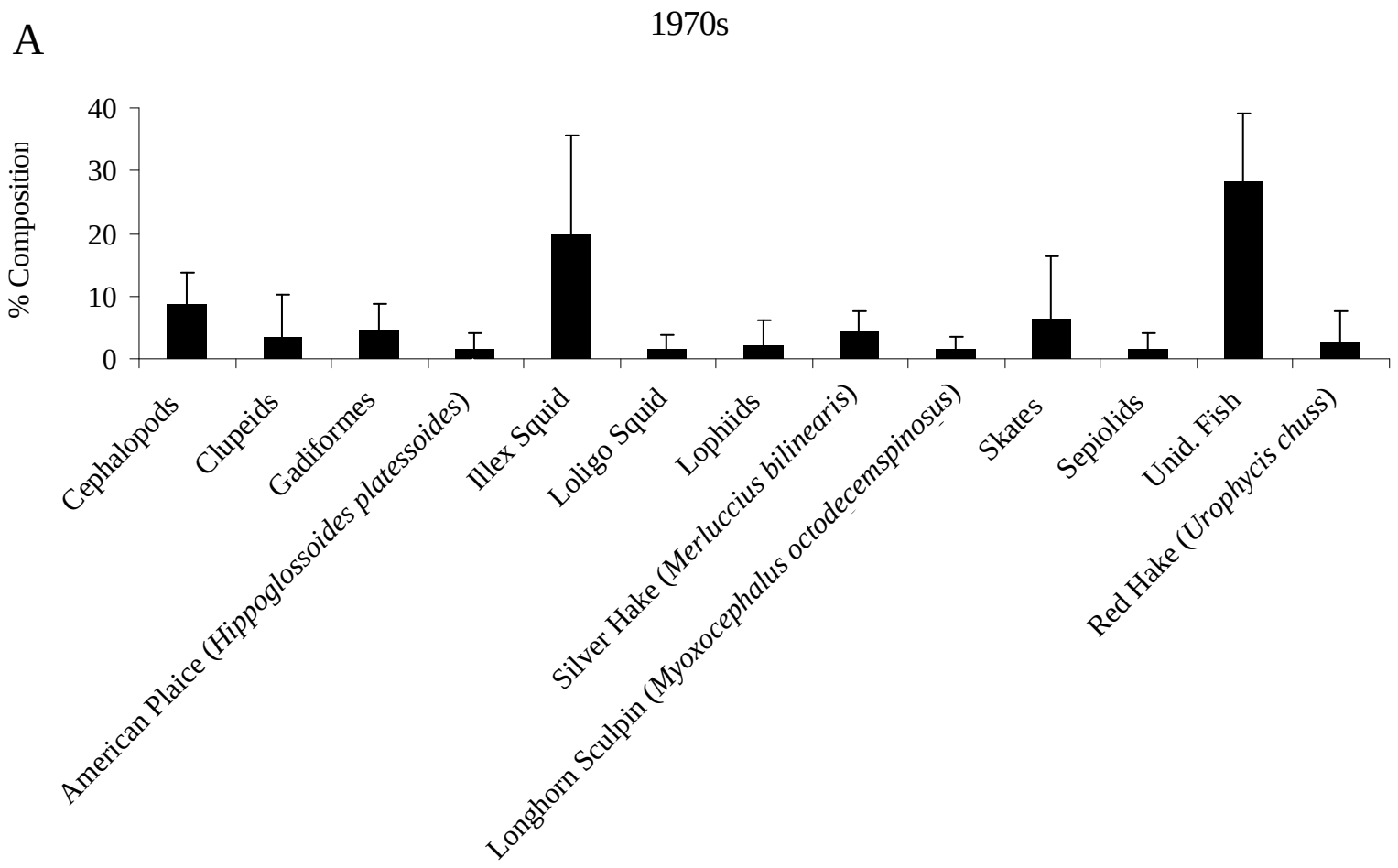

Figure 98A. Percent diet composition by weight of major prey taxa for goosefish (*Lophius americanus*) collected in the 1970s (n = 587). Unid. Fish = unidentified fish.

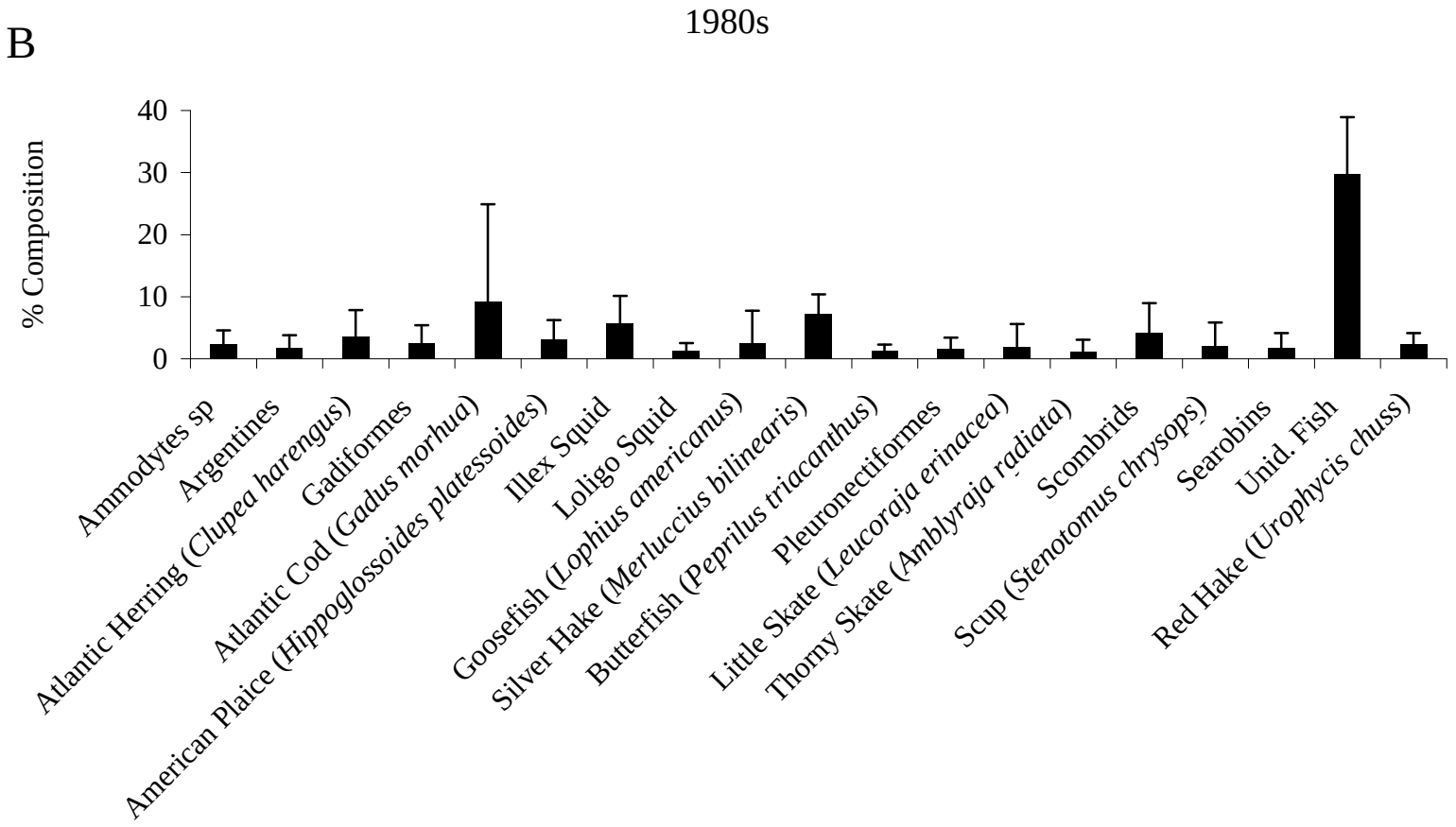

Figure 98B. Percent diet composition by weight of major prey taxa for goosefish (*Lophius americanus*) collected collected in the 1980s (n = 1,383). Unid. Fish = unidentified fish.

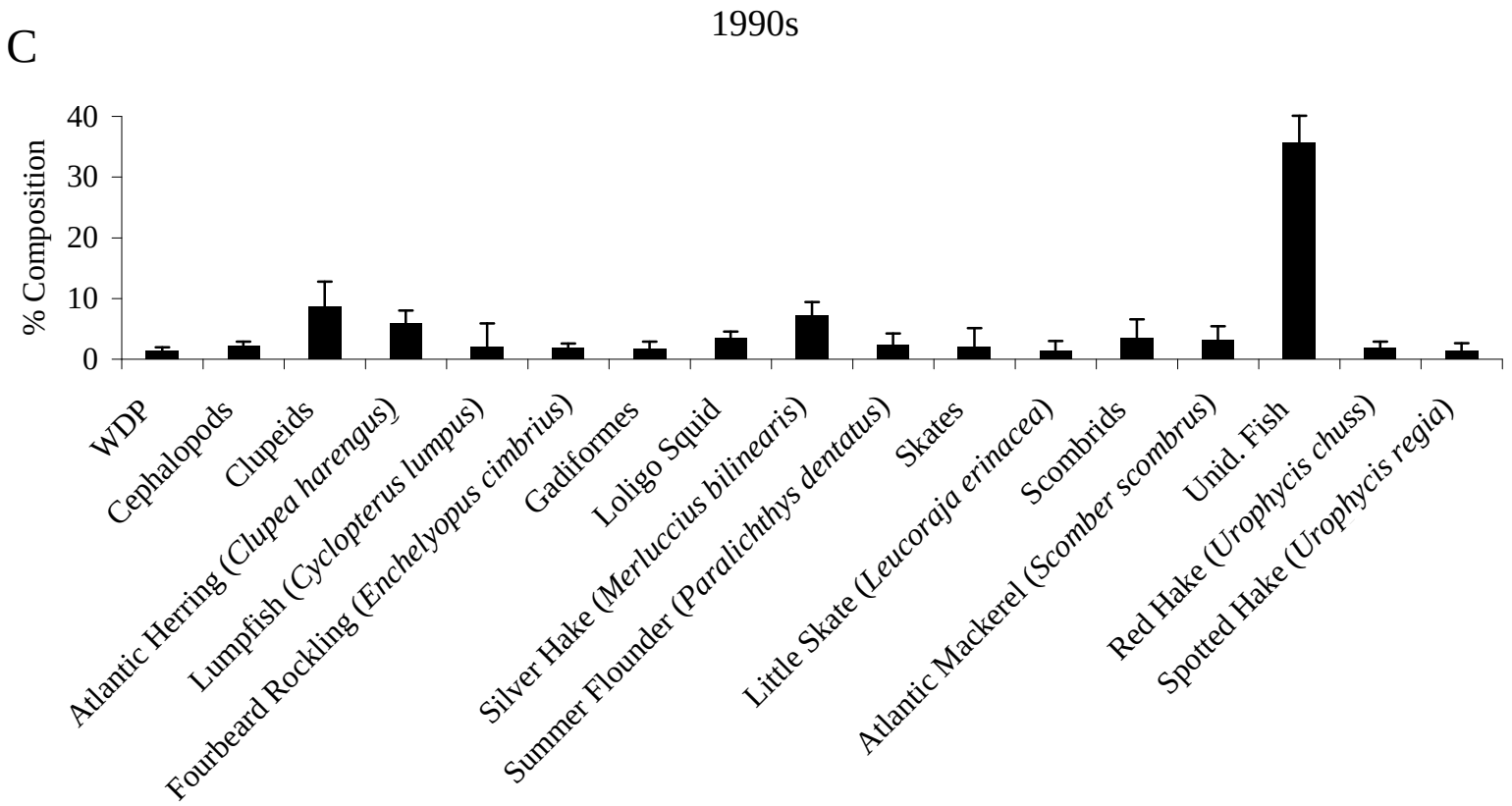

Figure 98C. Percent diet composition by weight of major prey taxa for goosefish (*Lophius americanus*) collected in the 1990s (n = 4,385). WDP = well-digested prey; Unid. Fish = unidentified fish.

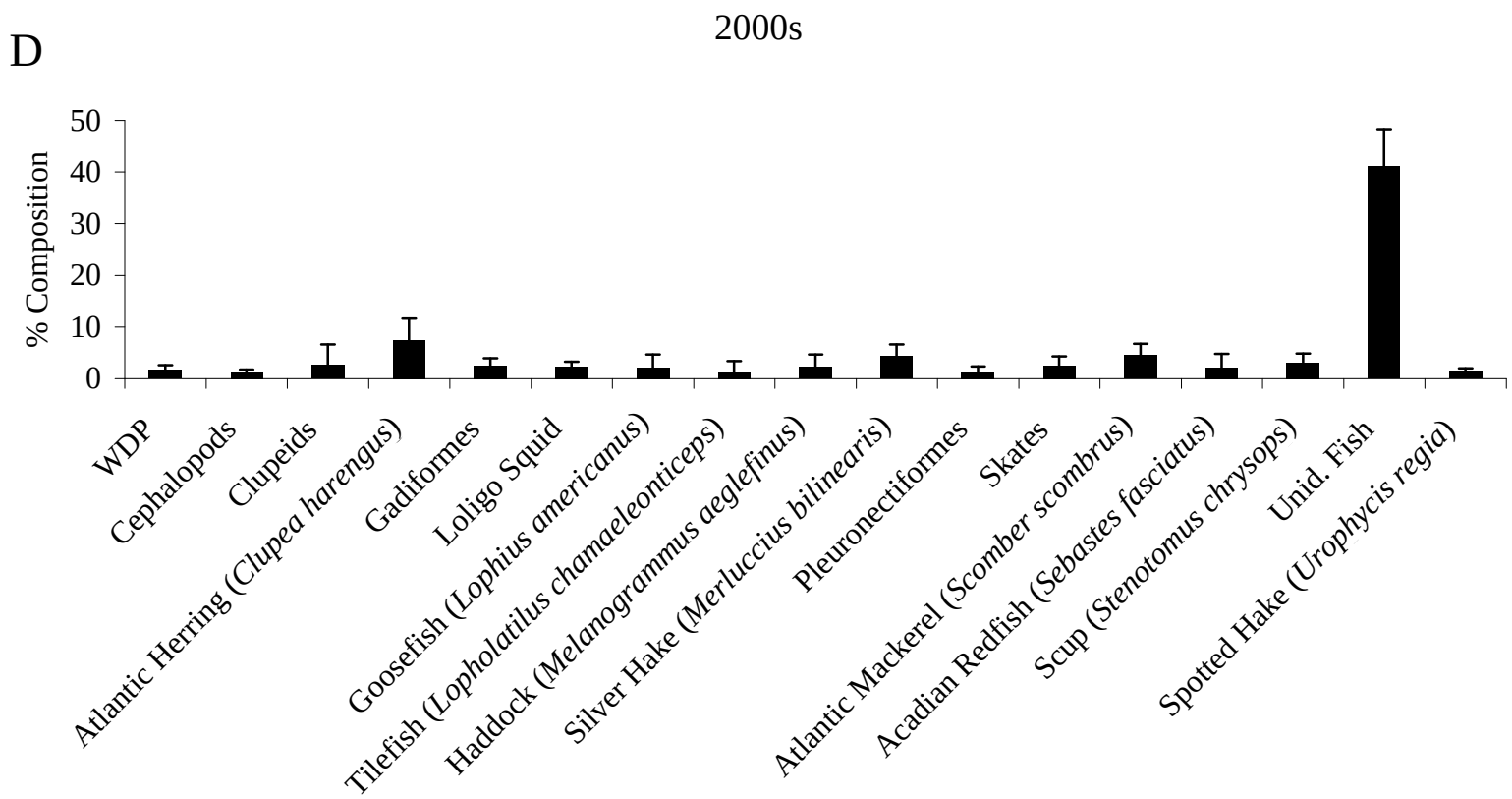

Figure 98D. Percent diet composition by weight of major prey taxa for goosefish (*Lophius americanus*) collected in the 2000s (n = 3,833). WDP = well-digested prey; Unid. Fish = unidentified fish.

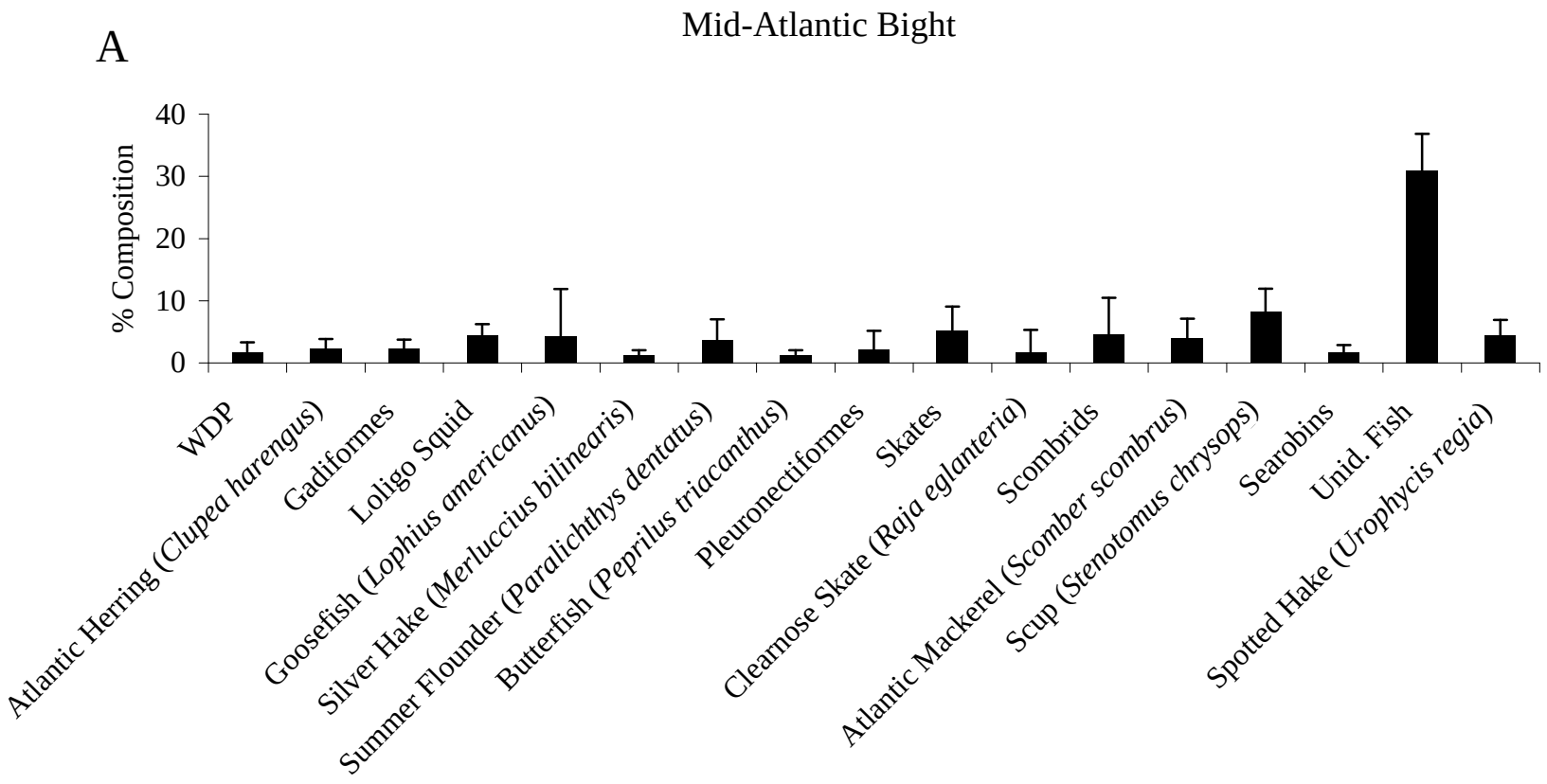

Figure 99A. Percent diet composition by weight of major prey taxa for goosefish (*Lophius americanus*) collected in the Mid-Atlantic Bight (n = 2,265). WDP = well-digested prey; Unid. Fish = unidentified fish.

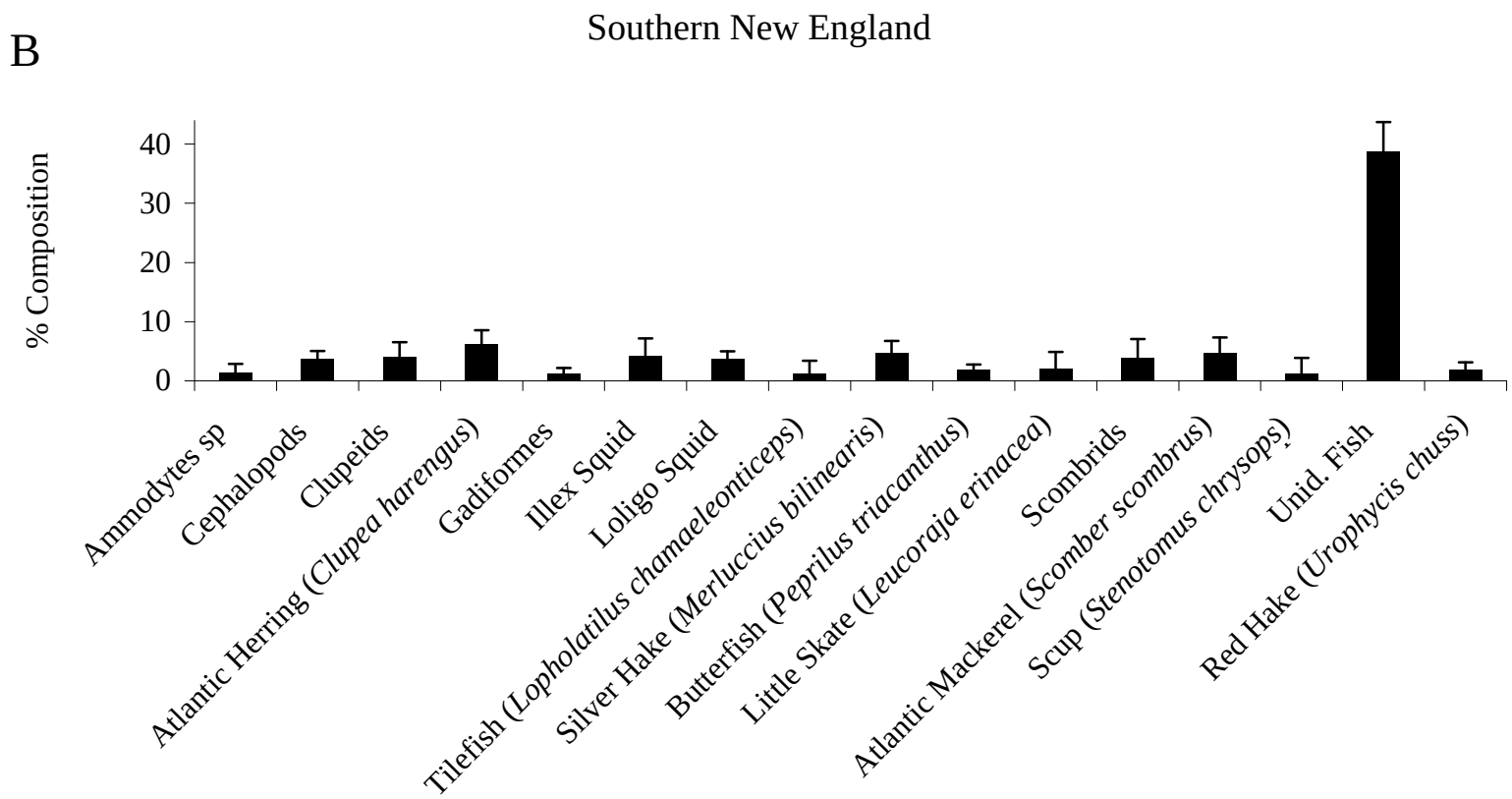

Figure 99B. Percent diet composition by weight of major prey taxa for goosefish (*Lophius americanus*) collected in Southern New England (n = 3,953). Unid. Fish = unidentified fish.

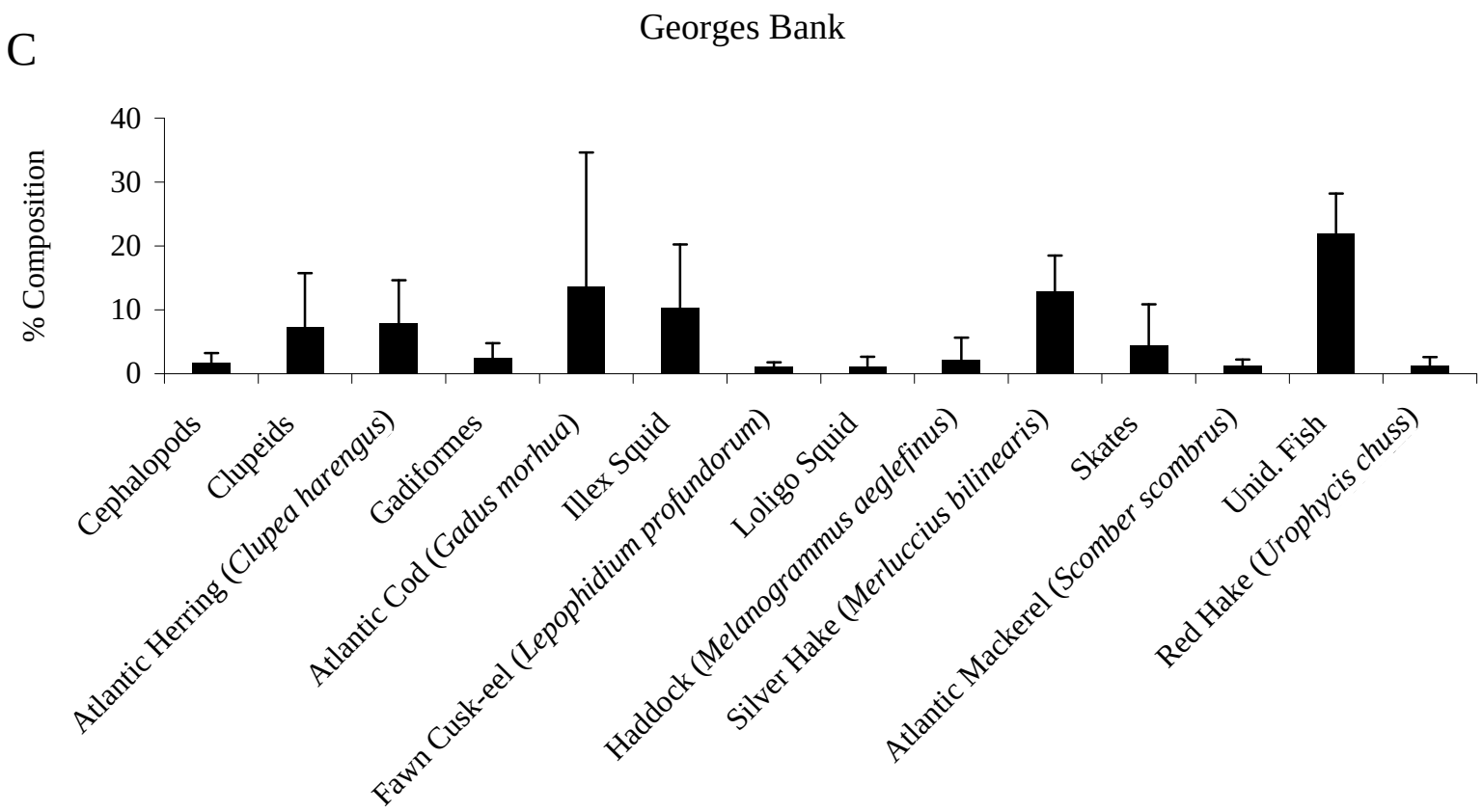

Figure 99C. Percent diet composition by weight of major prey taxa for goosefish (*Lophius americanus*) collected on Georges Bank (n = 1,006). Unid. Fish = unidentified fish.

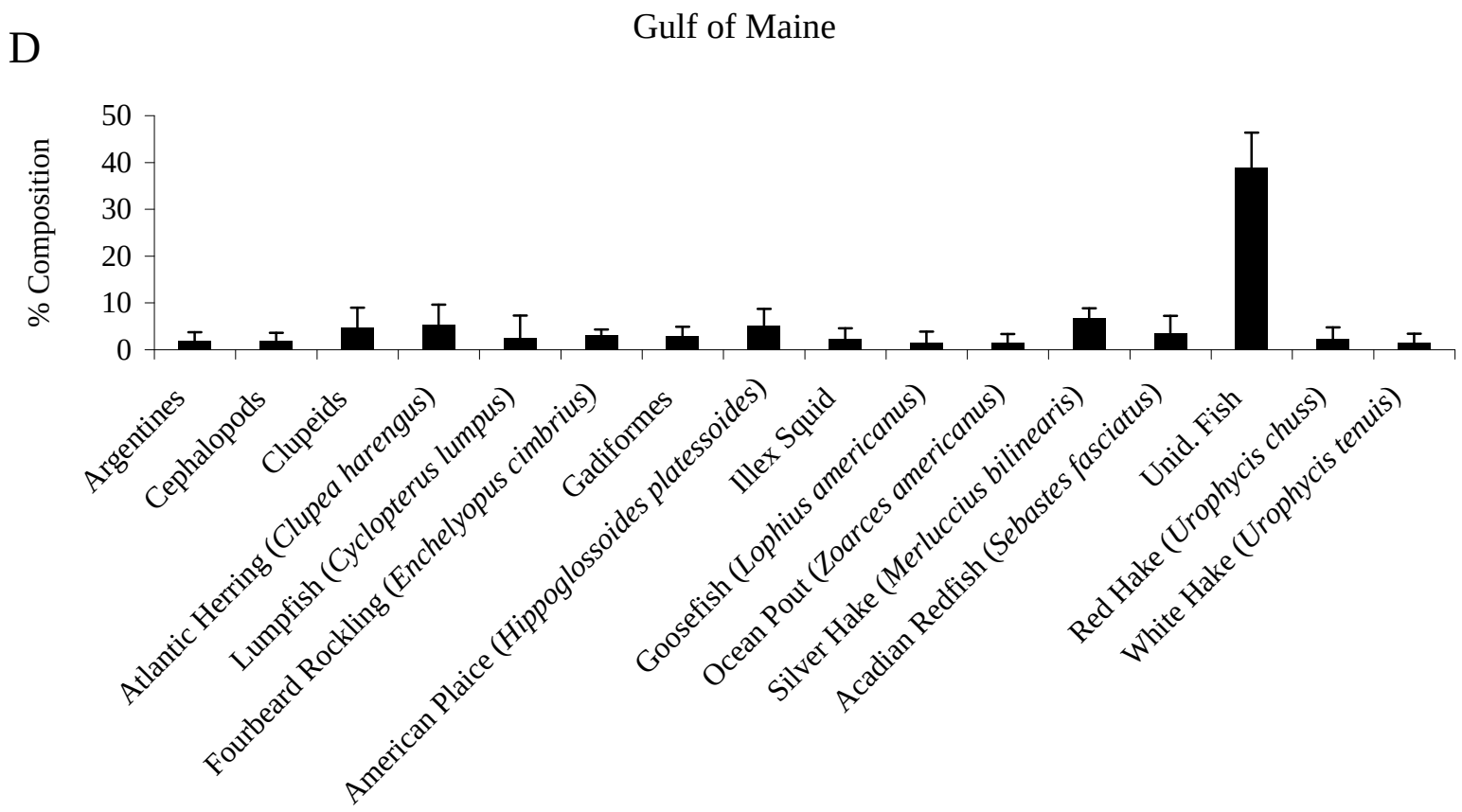

Figure 99D. Percent diet composition by weight of major prey taxa for goosefish (*Lophius americanus*) collected in the Gulf of Maine (n = 2,761). Unid. Fish = unidentified fish.

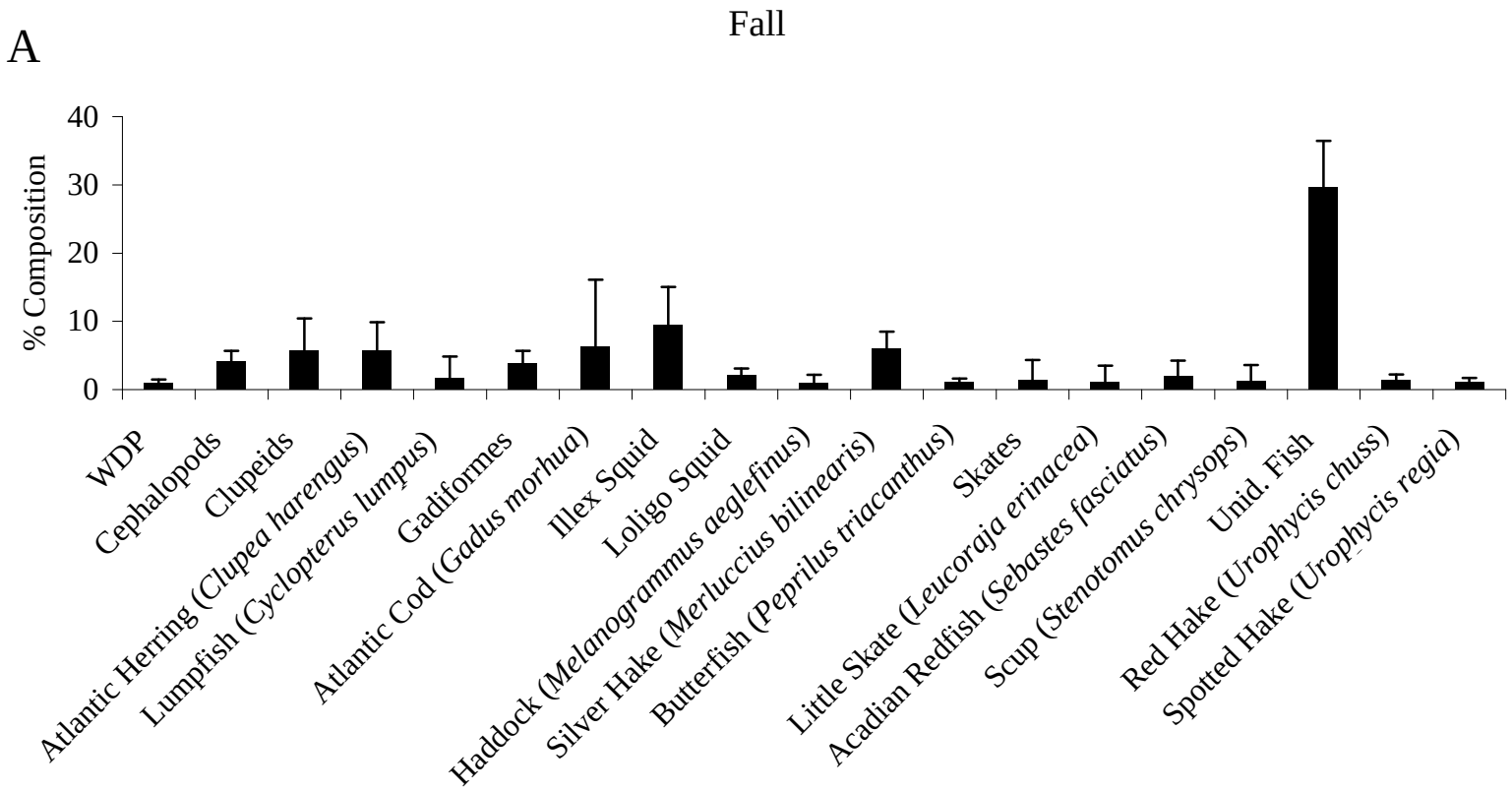

Figure 100A. Percent diet composition by weight of major prey taxa for goosefish (*Lophius americanus*) collected in the fall (n = 2,823). WDP = well-digested prey; Unid. Fish = unidentified fish.

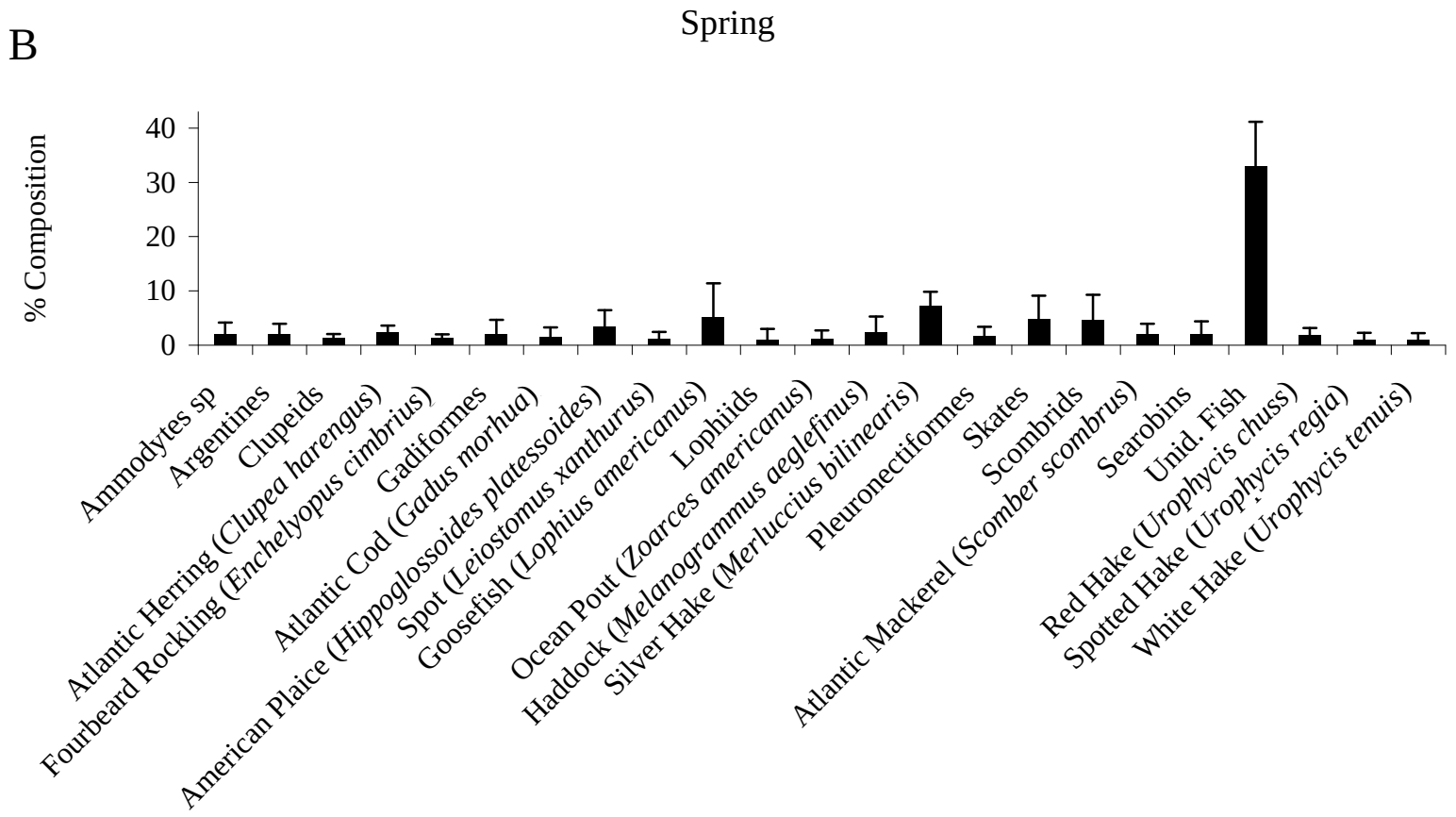

Figure 100B. Percent diet composition by weight of major prey taxa for goosefish (*Lophius americanus*) collected collected in the spring (n = 2,568). Unid. Fish = unidentified fish.

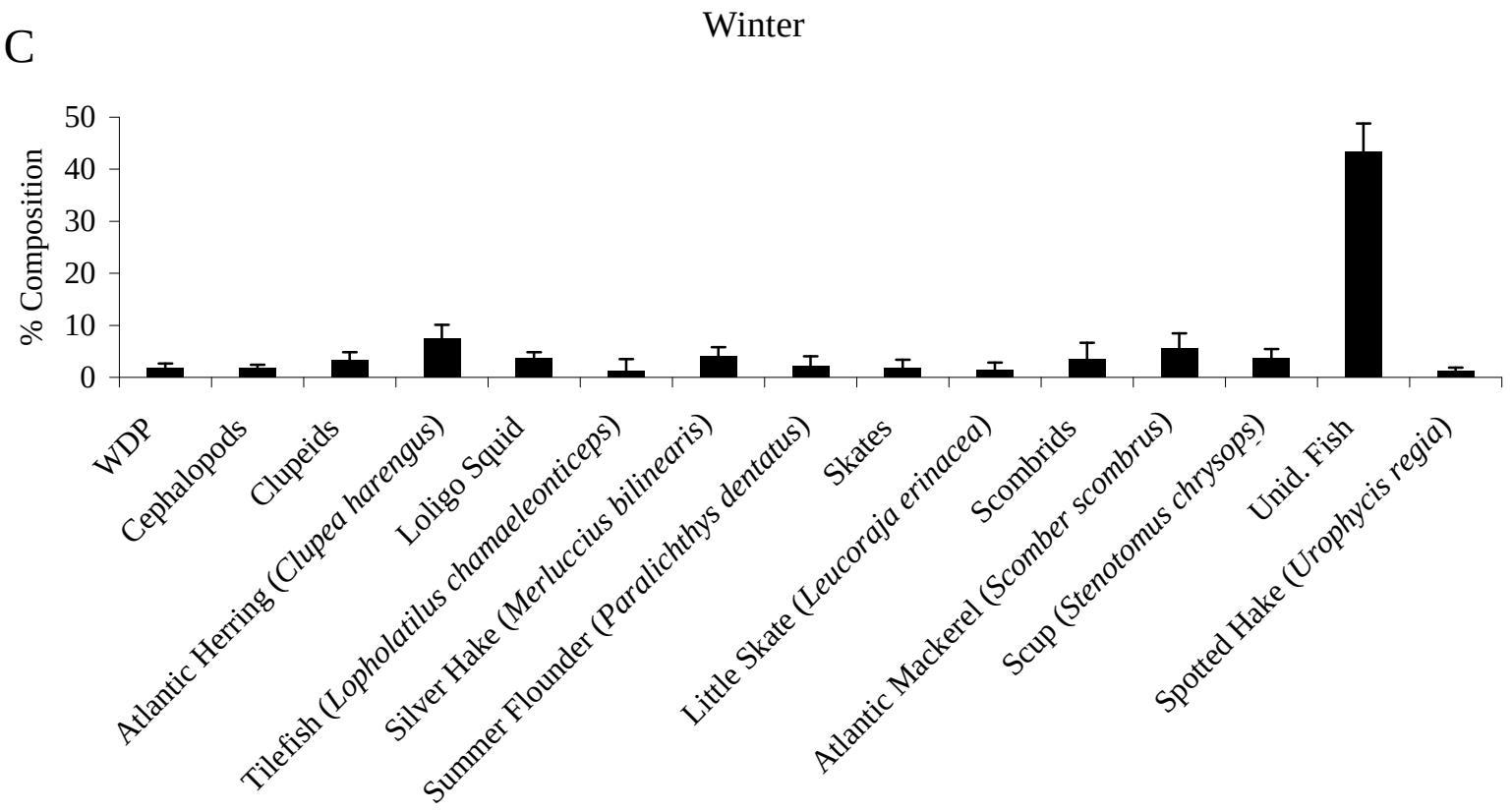

Figure 100C. Percent diet composition by weight of major prey taxa for goosefish (*Lophius americanus*) collected in the winter (n = 4,246). WDP = well-digested prey; Unid. Fish = unidentified fish.

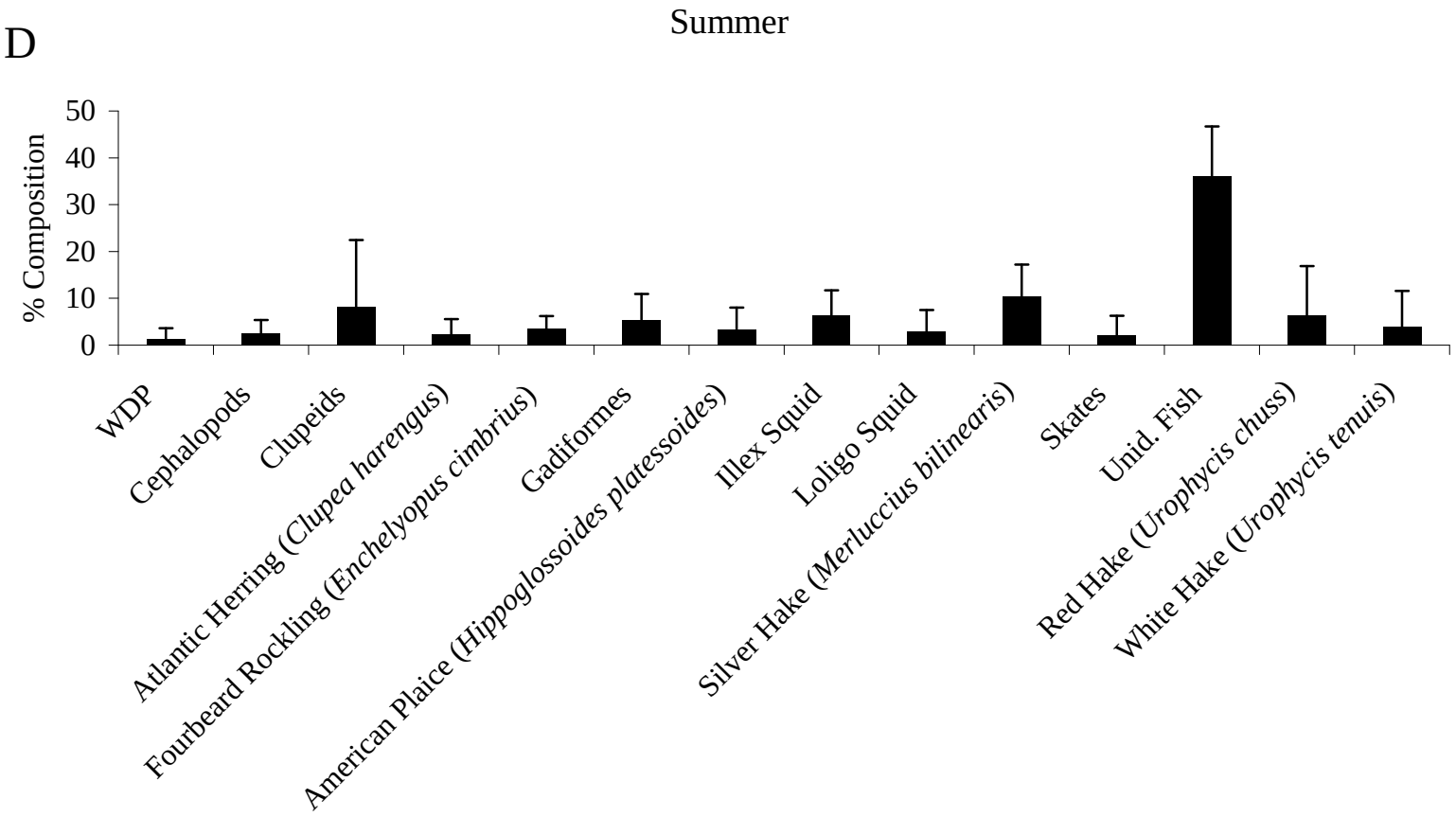

Figure 100D. Percent diet composition by weight of major prey taxa for goosefish (*Lophius americanus*) collected in the summer (n = 551). WDP = well-digested prey; Unid. Fish = unidentified fish.

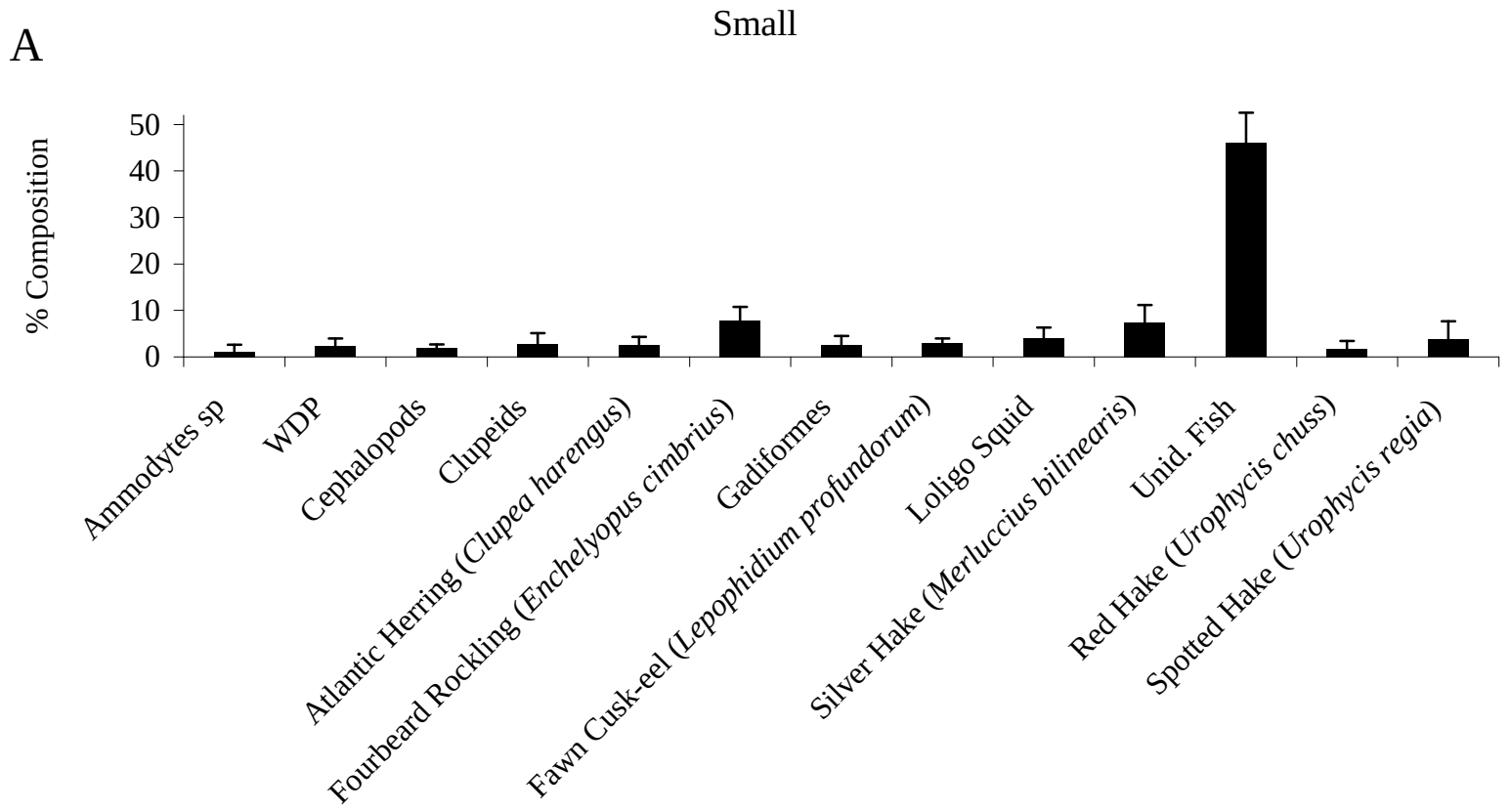

Figure 101A. Percent diet composition by weight of major prey taxa for goosefish (*Lophius americanus*) in the small size class (n = 3,095). WDP = well-digested prey; Unid. Fish = unidentified fish.

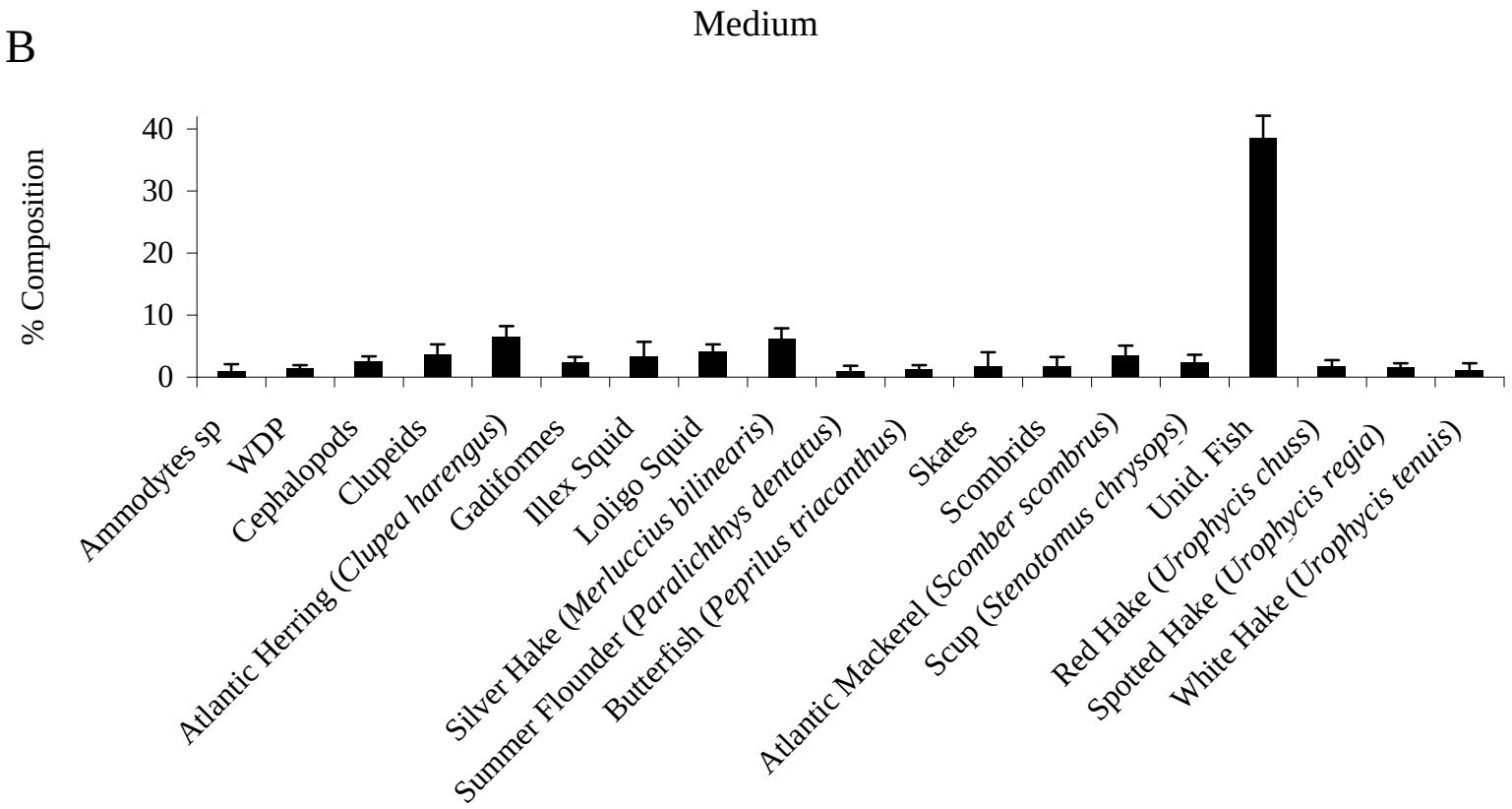

Figure 101B. Percent diet composition by weight of major prey taxa for goosefish (*Lophius americanus*) in the medium size class (n = 5,471). WDP = well-digested prey; Unid. Fish = unidentified fish.

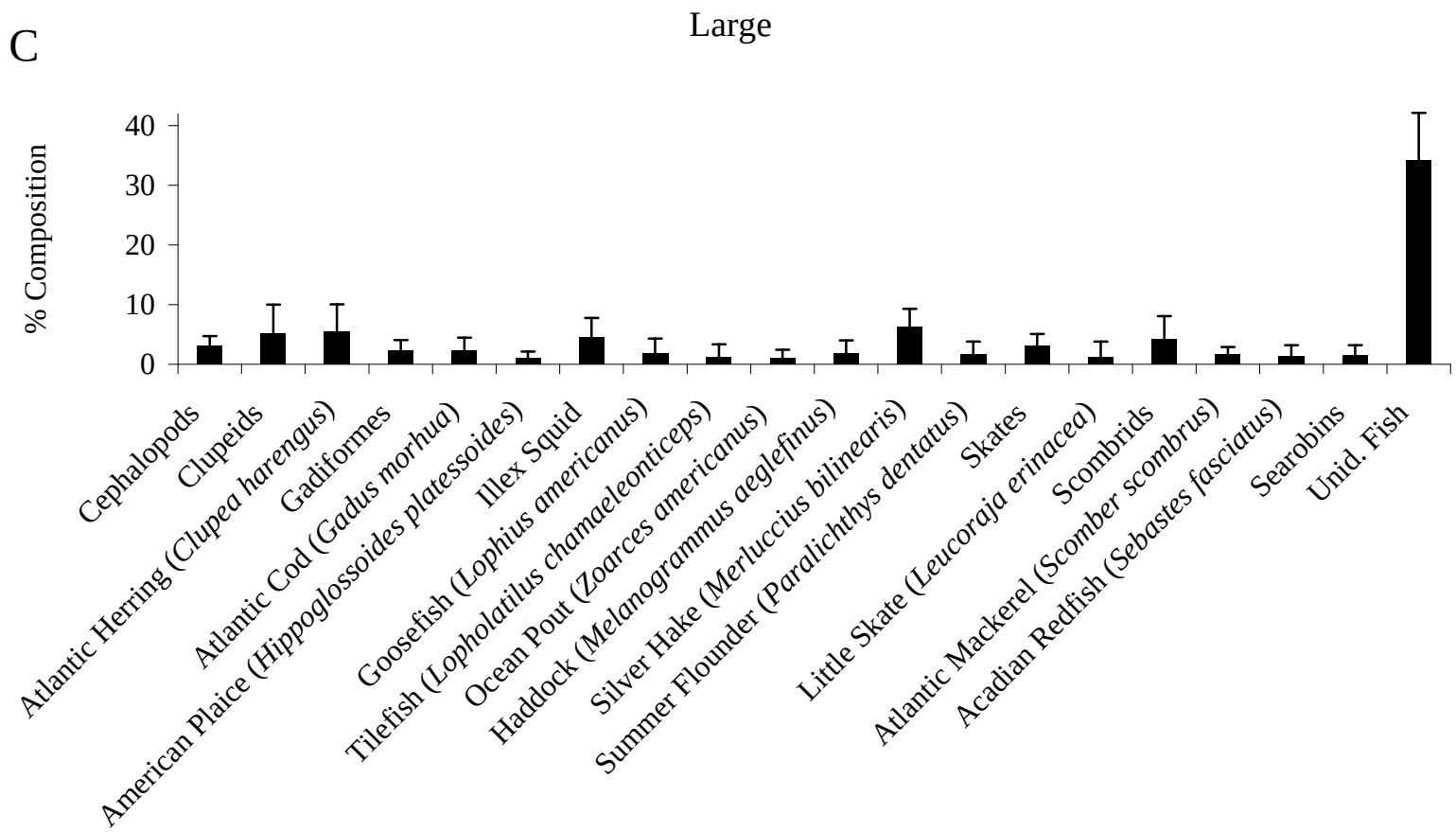

Figure 101C. Percent diet composition by weight of major prey taxa for goosefish (*Lophius americanus*) in the large size class (n = 1,420). Unid. Fish = unidentified fish.

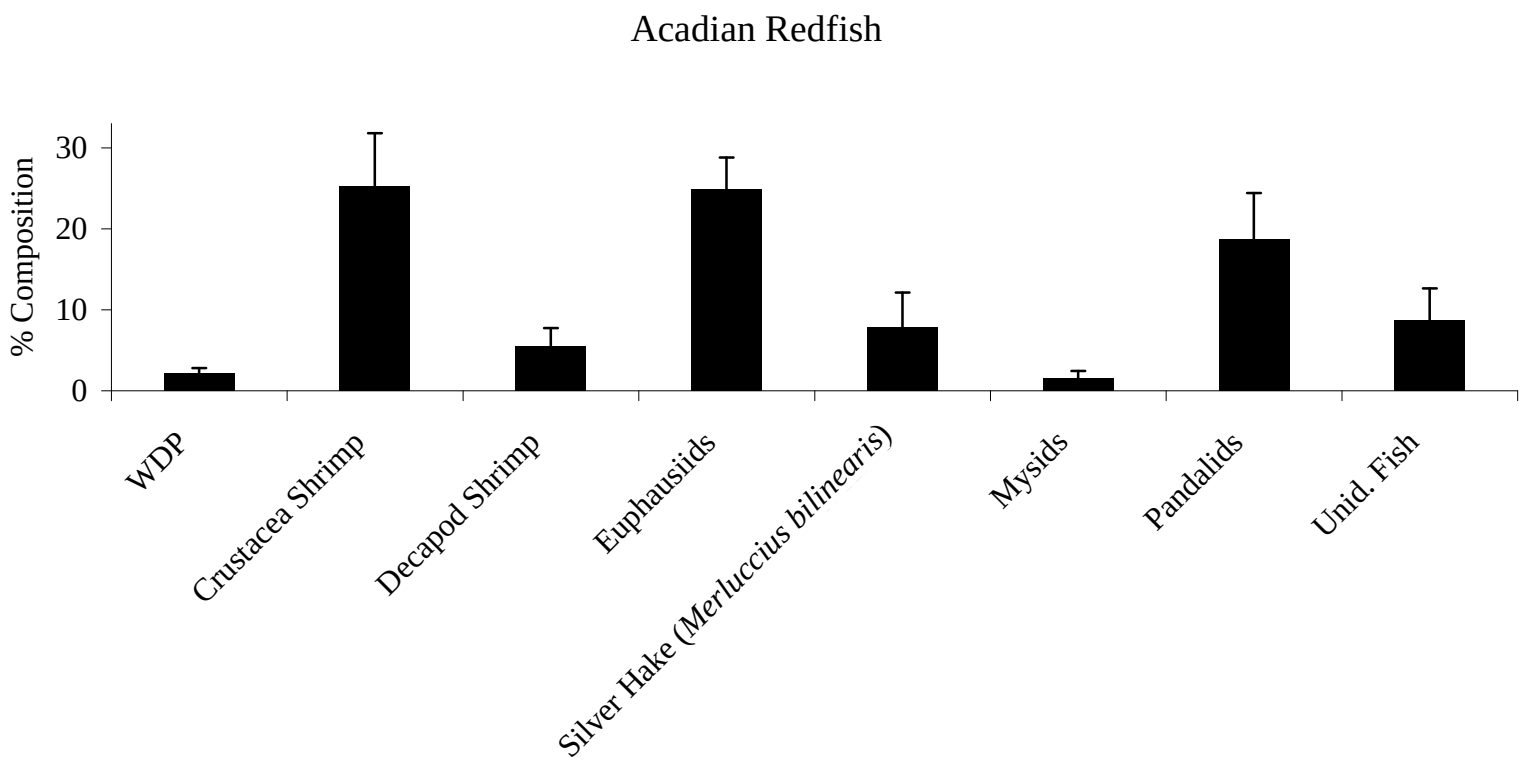

Figure 102. Percent diet composition by weight of major prey taxa for Acadian redfish (*Sebastes fasciatus*; n = 3,904). WDP = well-digested prey; Unid. Fish = unidentified fish.

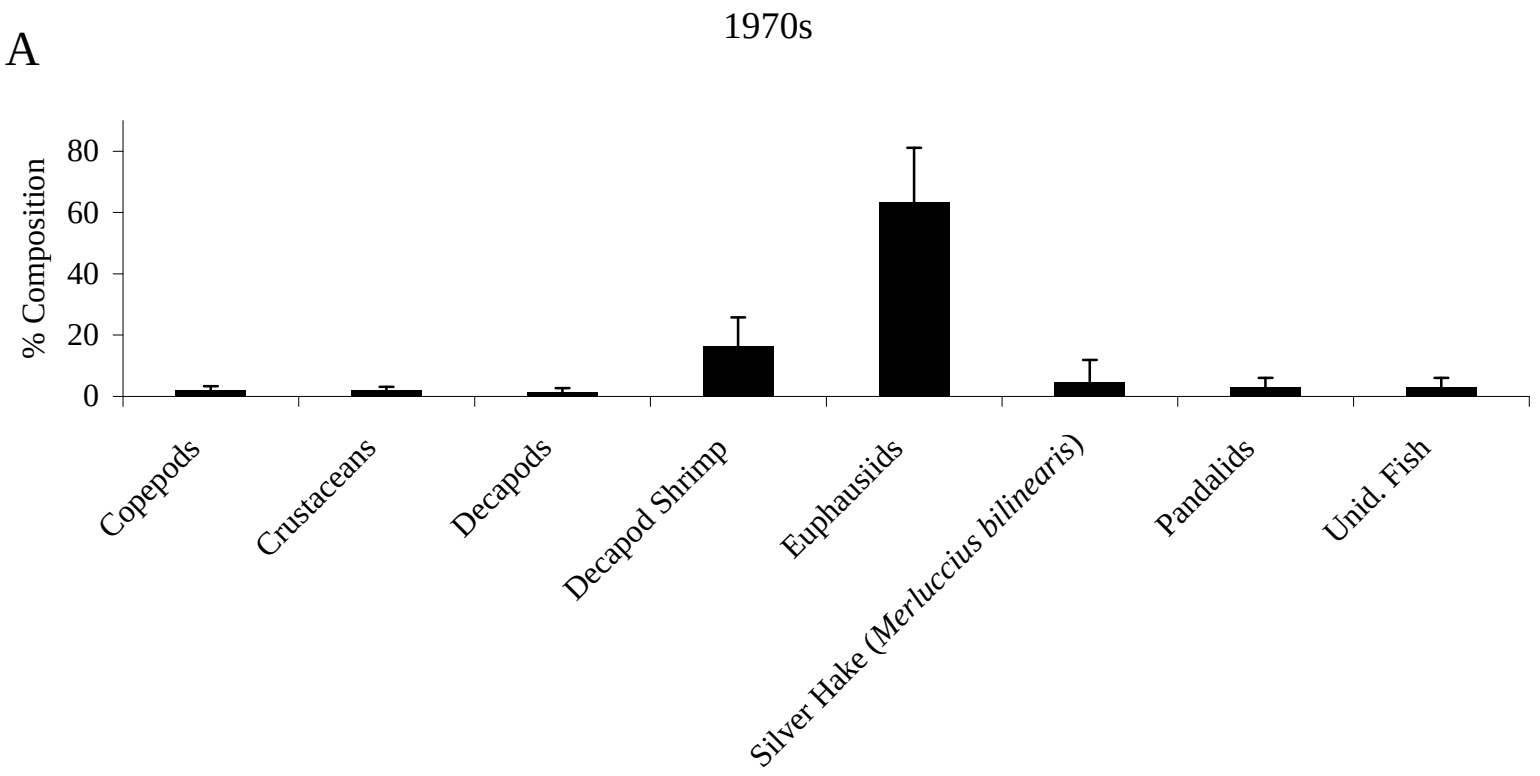

Figure 103A. Percent diet composition by weight of major prey taxa for Acadian redfish (*Sebastes fasciatus*) collected in the 1970s (n = 660). Unid. Fish = unidentified fish.

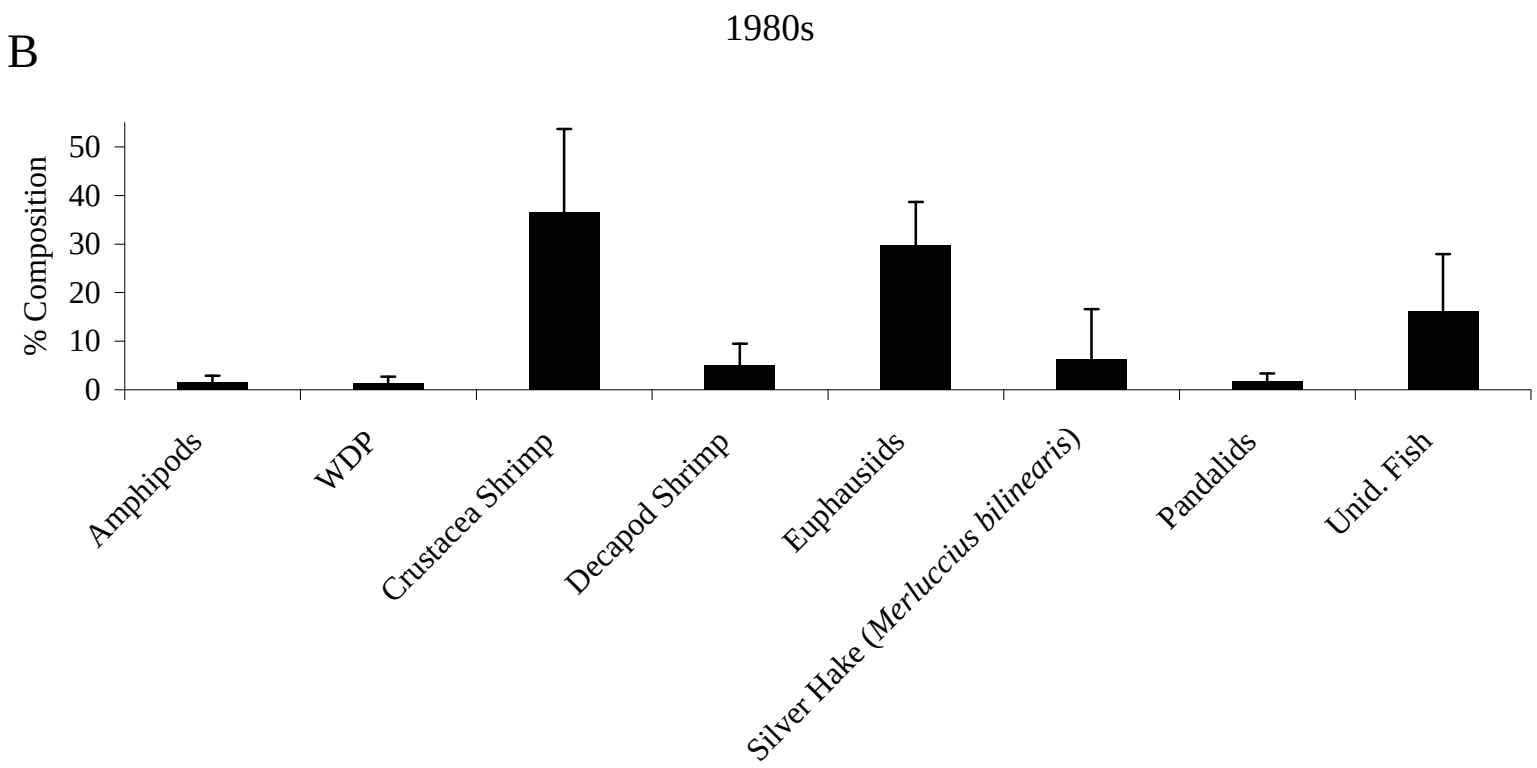

Figure 103B. Percent diet composition by weight of major prey taxa for Acadian redfish (*Sebastes fasciatus*) collected in the 1980s (n = 578). WDP = well-digested prey; Unid. Fish = unidentified fish.

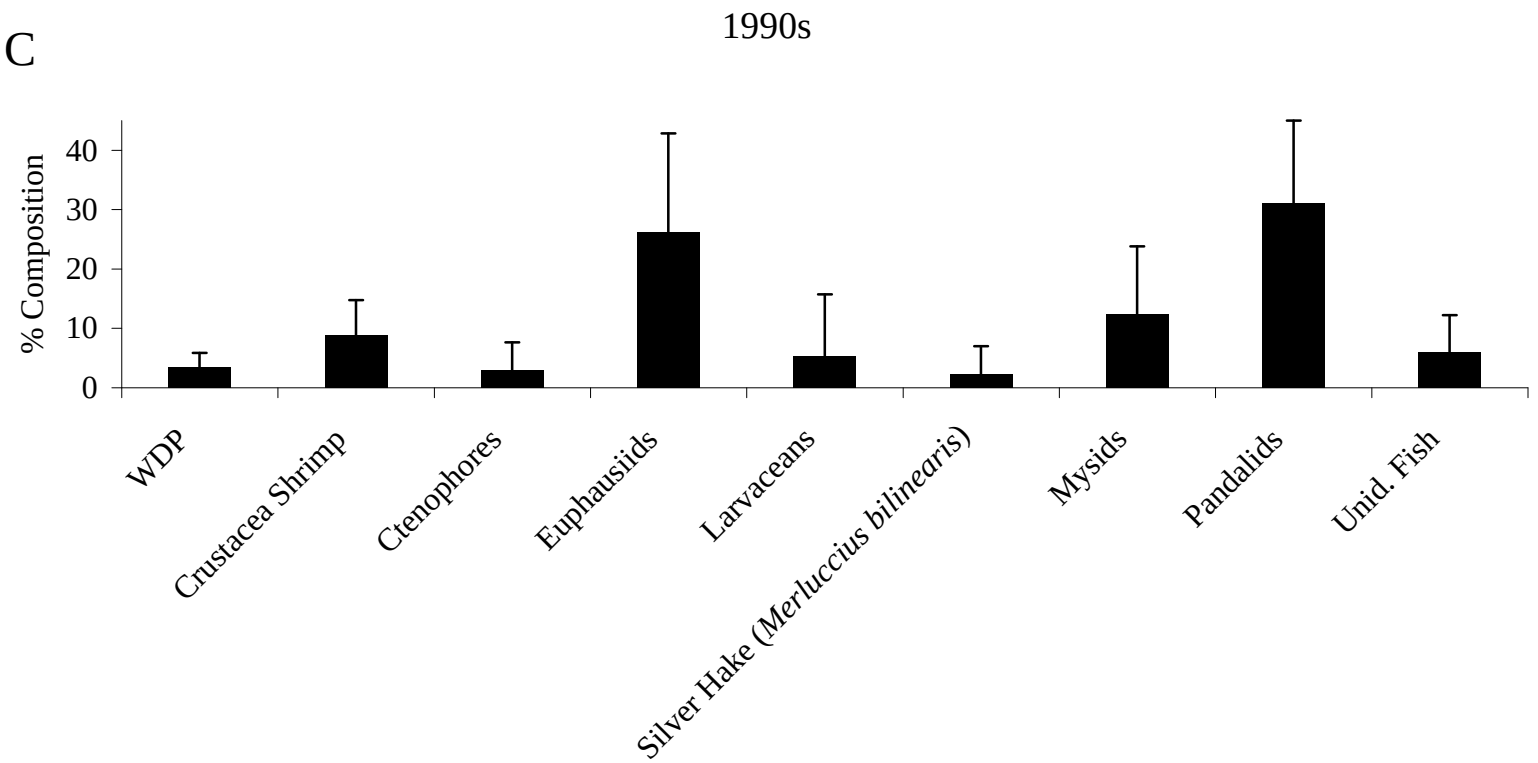

Figure 103C. Percent diet composition by weight of major prey taxa for Acadian redfish (*Sebastes fasciatus*) collected in the 1990s (n = 326). WDP = well-digested prey; Unid. Fish = unidentified fish.

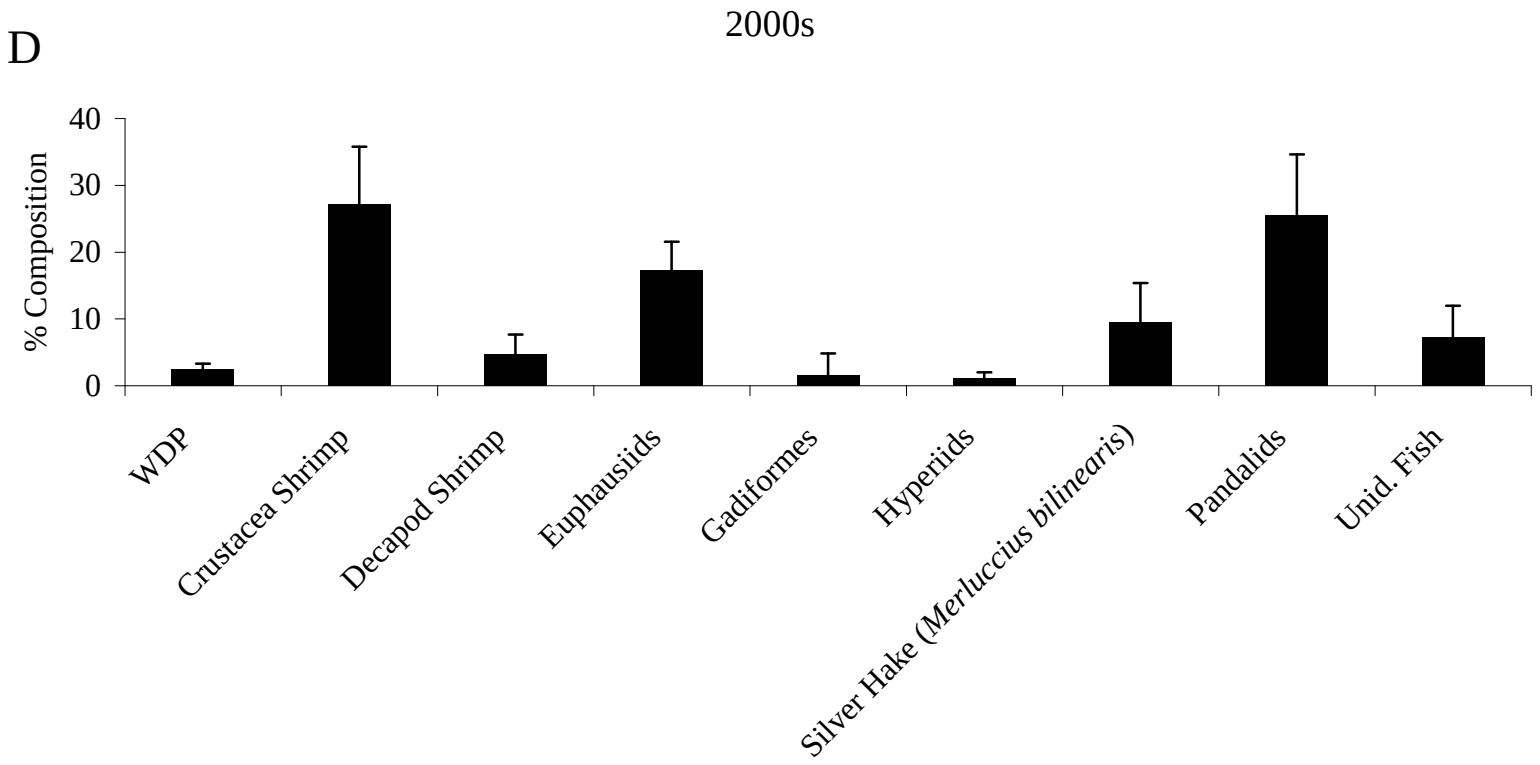

Figure 103D. Percent diet composition by weight of major prey taxa for Acadian redfish (*Sebastes fasciatus*) collected in the 2000s (n = 2,340). WDP = well-digested prey; Unid. Fish = unidentified fish.

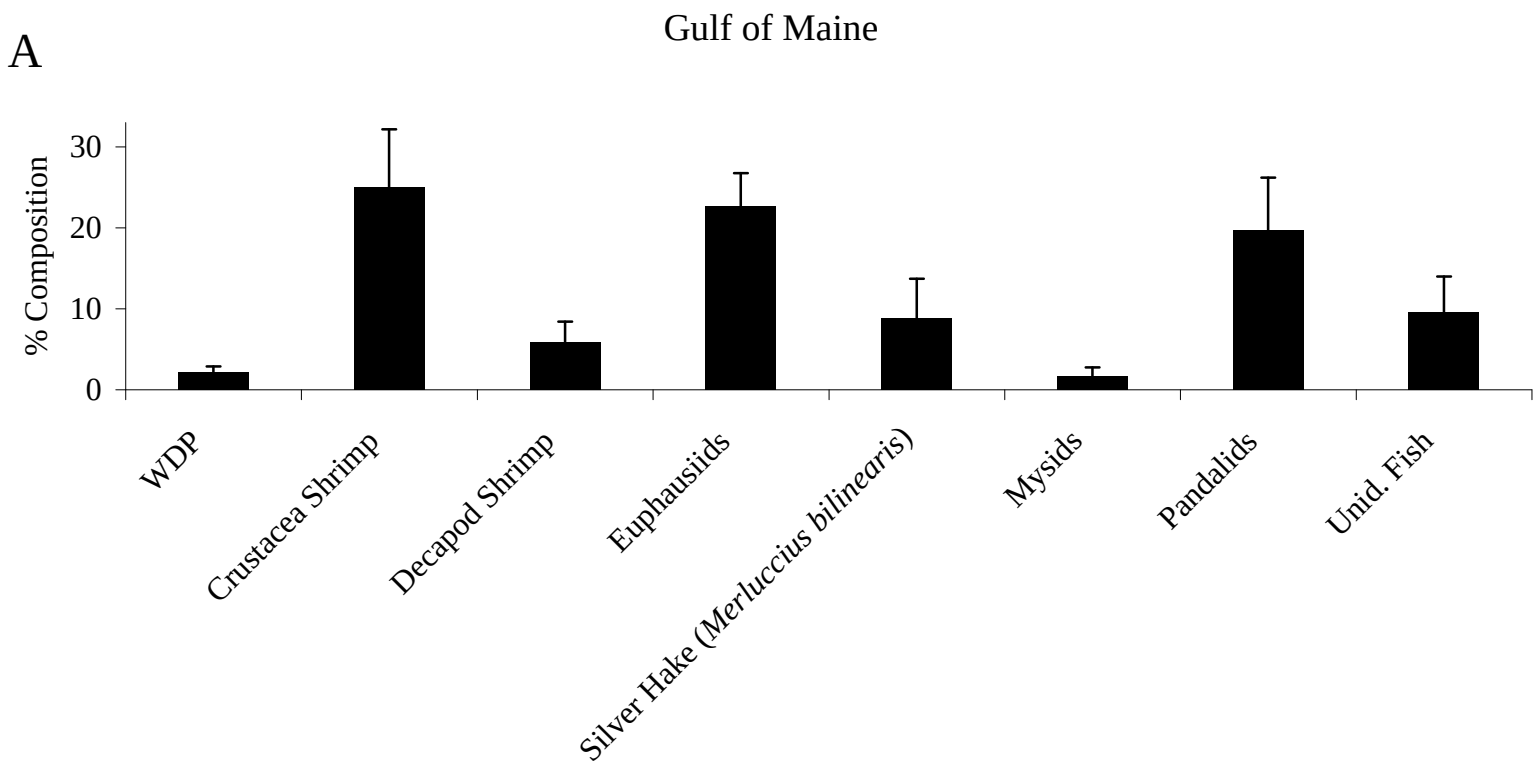

Figure 104A. Percent diet composition by weight of major prey taxa for Acadian redfish (*Sebastes fasciatus*) collected in the Gulf of Maine (n = 3,149). WDP = well-digested prey; Unid. Fish = unidentified fish.

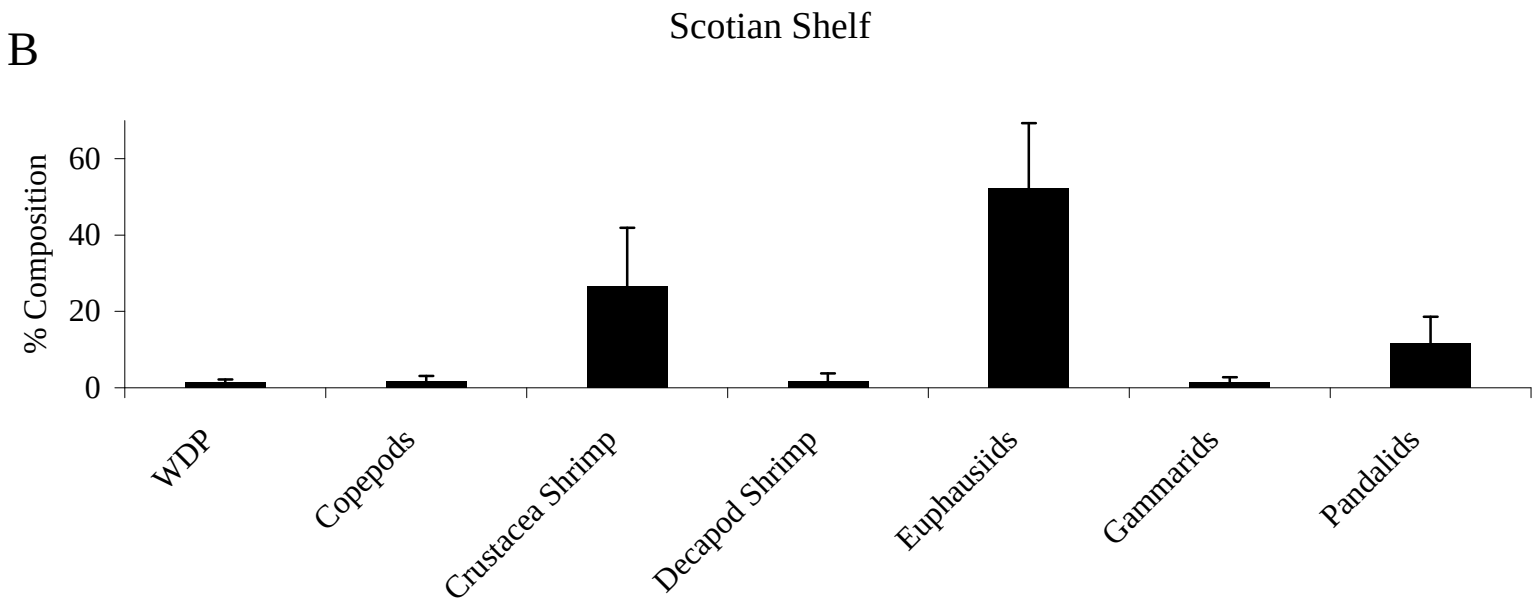

Figure 104B. Percent diet composition by weight of major prey taxa for Acadian redfish (*Sebastes fasciatus*) collected on the Scotian Shelf (n = 582). WDP = well-digested prey.

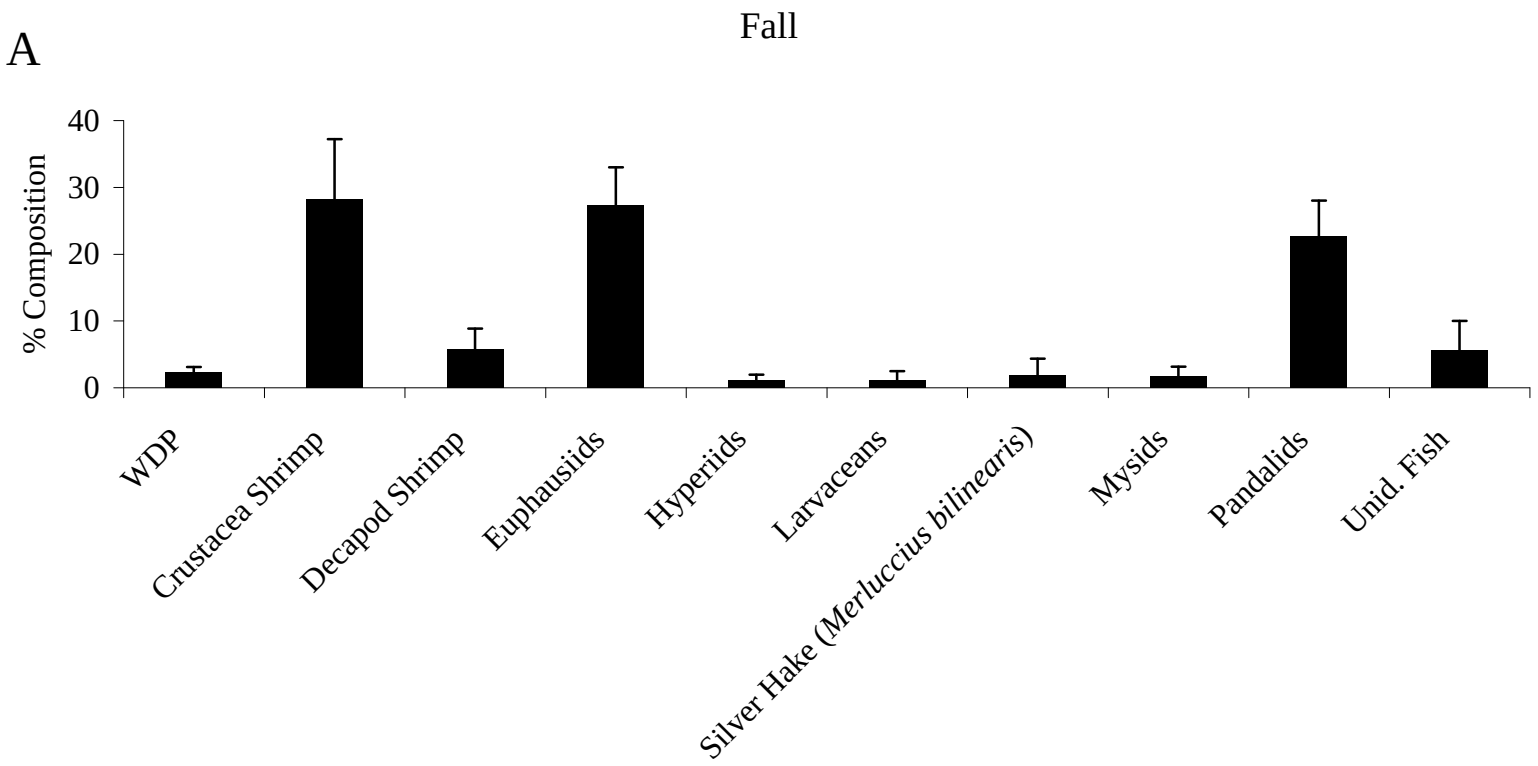

Figure 105A. Percent diet composition by weight of major prey taxa for Acadian redfish (*Sebastes fasciatus*) collected in the fall (n = 2,152). WDP = well-digested prey; Unid. Fish = unidentified fish.

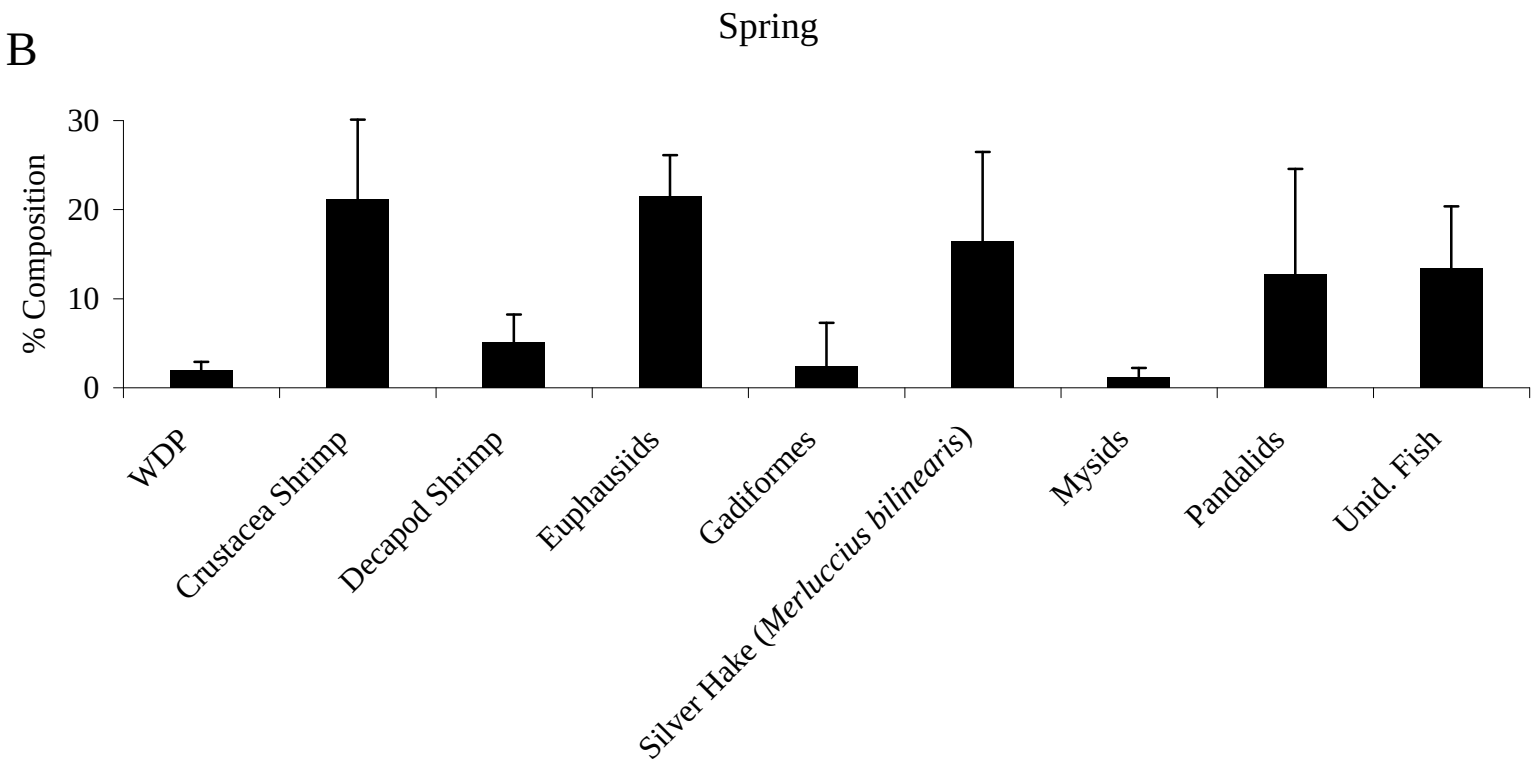

Figure 105B. Percent diet composition by weight of major prey taxa for Acadian redfish (*Sebastes fasciatus*) collected in the spring (n = 1,748). WDP = well-digested prey; Unid. Fish = unidentified fish.

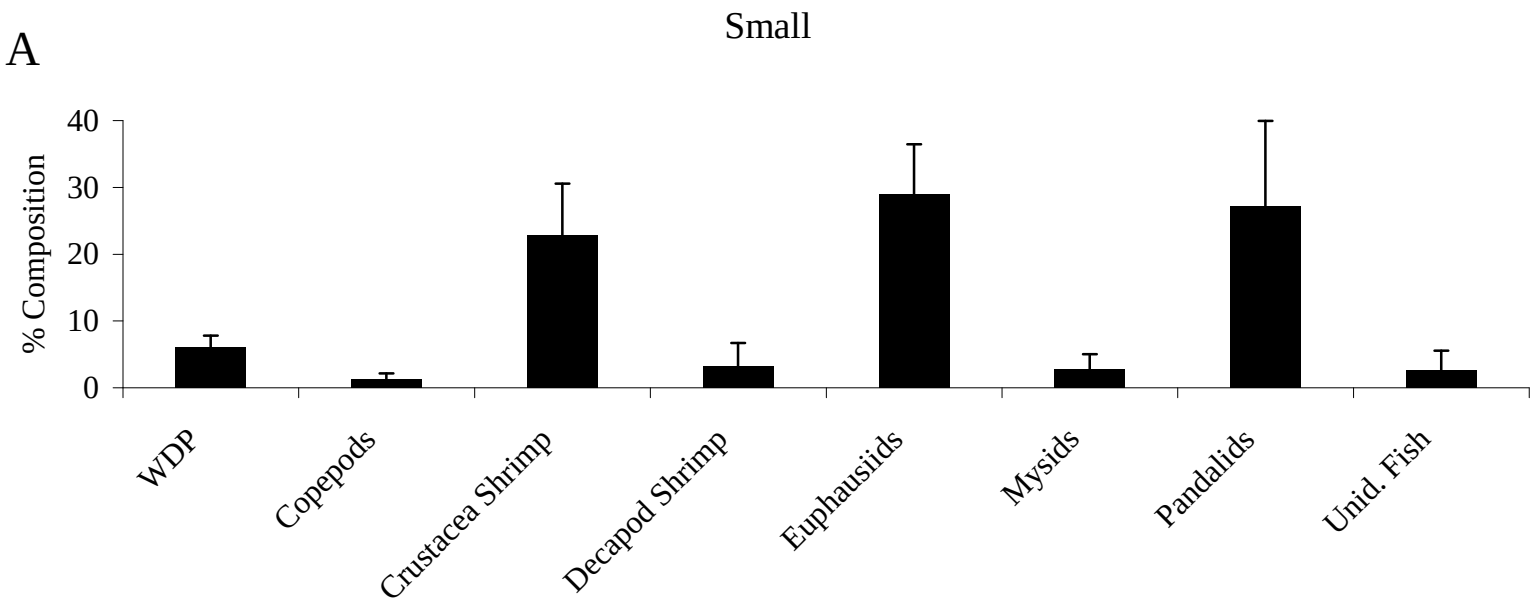

Figure 106A. Percent diet composition by weight of major prey taxa for Acadian redfish (*Sebastes fasciatus*) in the small size class (n = 1,592). WDP = well-digested prey; Unid. Fish = unidentified fish.

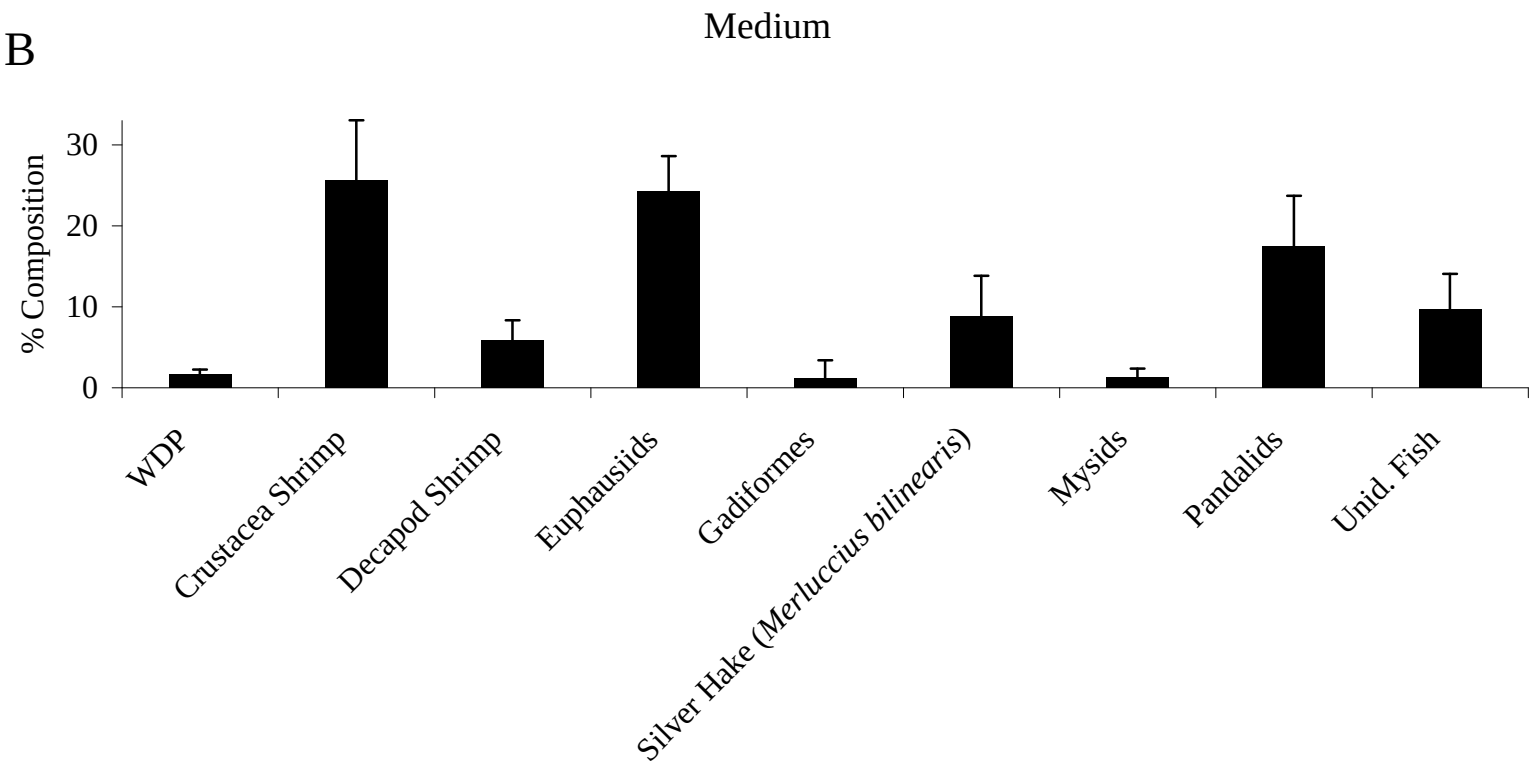

Figure 106B. Percent diet composition by weight of major prey taxa for Acadian redfish (*Sebastes fasciatus*) in the medium size class (n = 2,312). WDP = well-digested prey; Unid. Fish = unidentified fish.

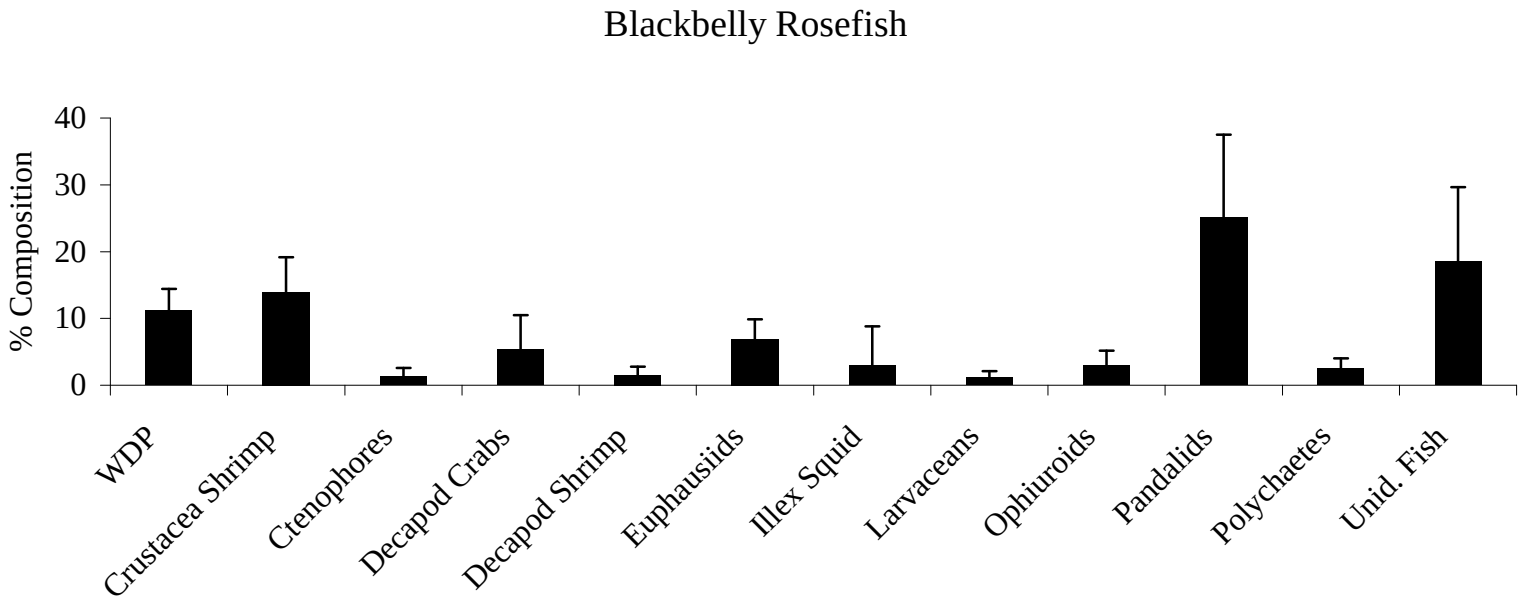

Figure 107. Percent diet composition by weight of major prey taxa for blackbelly rosefish (*Helicolenus dactylopterus*; n = 957). WDP = well-digested prey; Unid. Fish = unidentified fish.

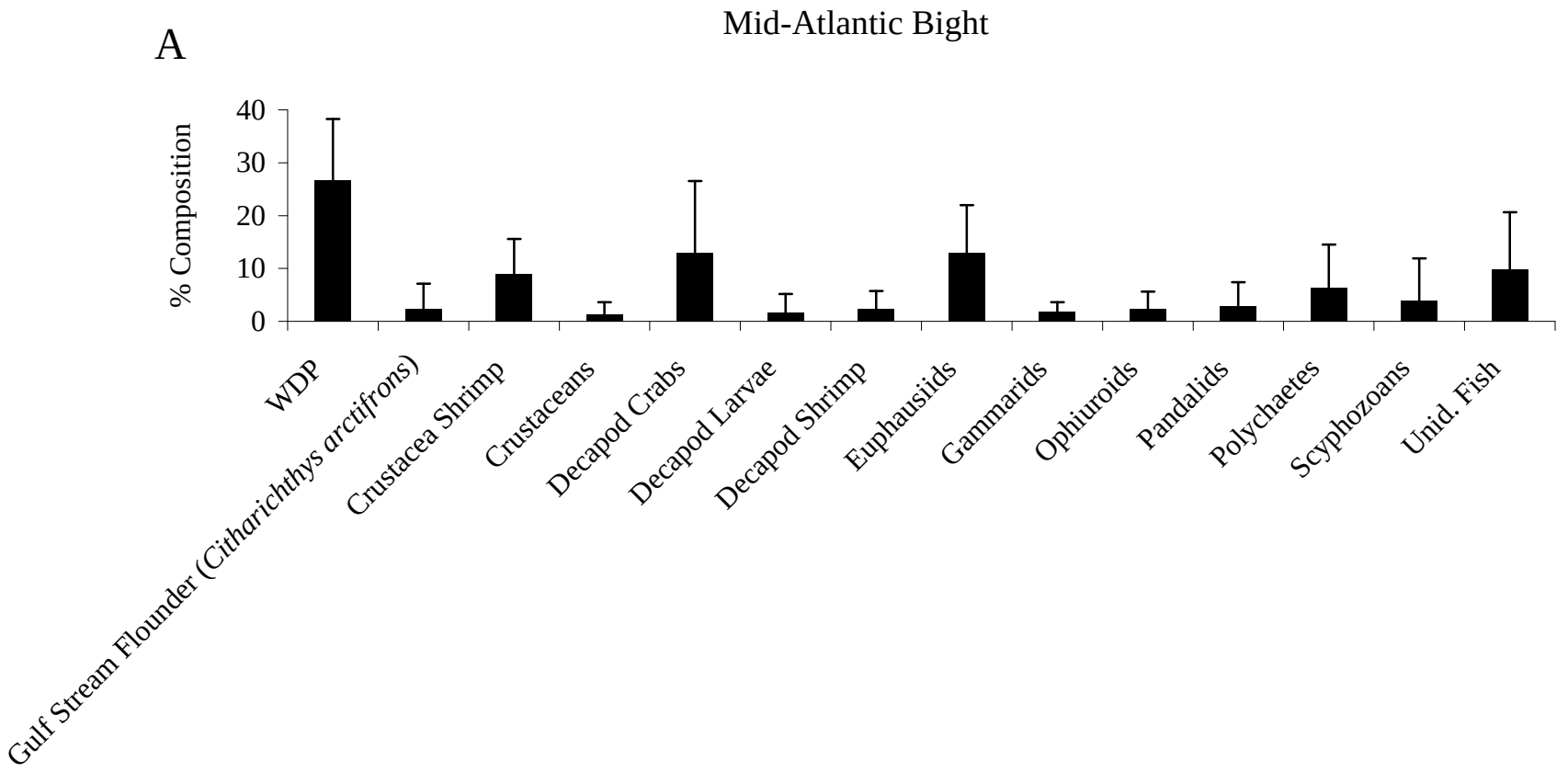

Figure 108A. Percent diet composition by weight of major prey taxa for blackbelly rosefish (*Helicolenus dactylopterus*) collected in the Mid-Atlantic Bight (n = 300). WDP = well-digested prey; Unid. Fish = unidentified fish.

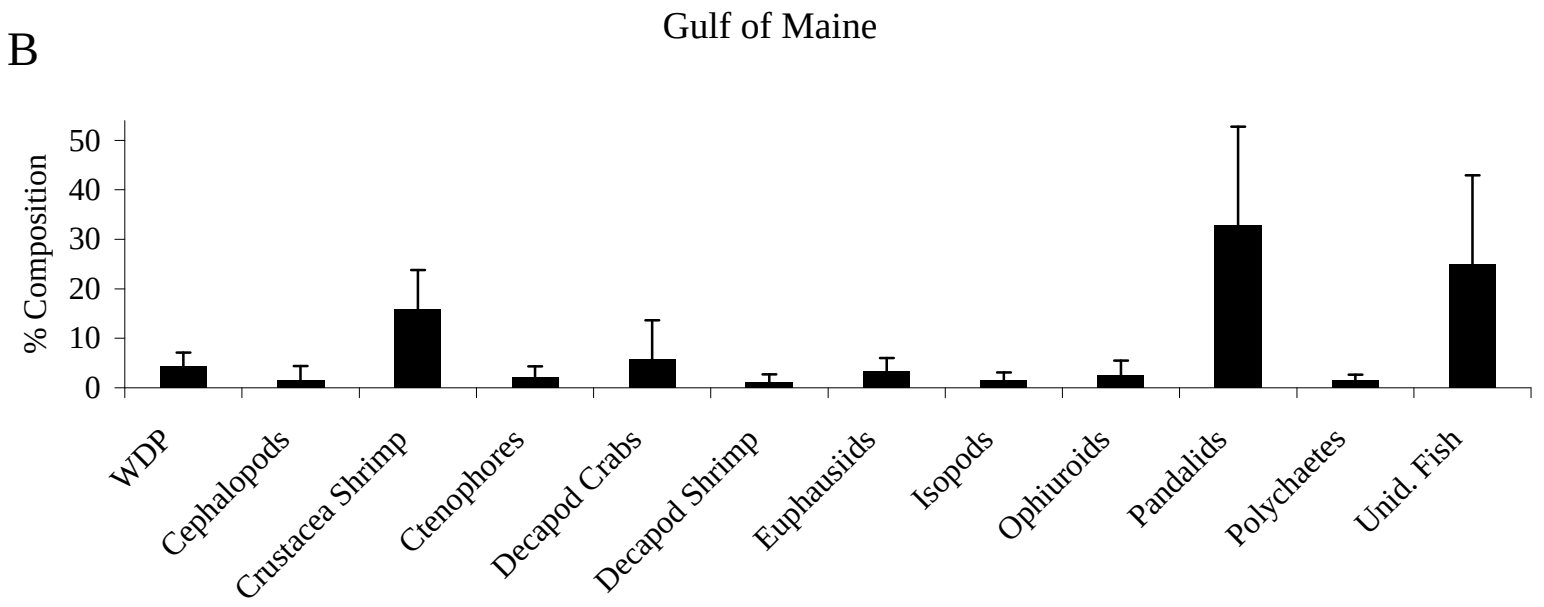

Figure 108B. Percent diet composition by weight of major prey taxa for blackbelly rosefish (*Helicolenus dactylopterus*) collected in the Gulf of Maine (n = 332). WDP = well-digested prey; Unid. Fish = unidentified fish.

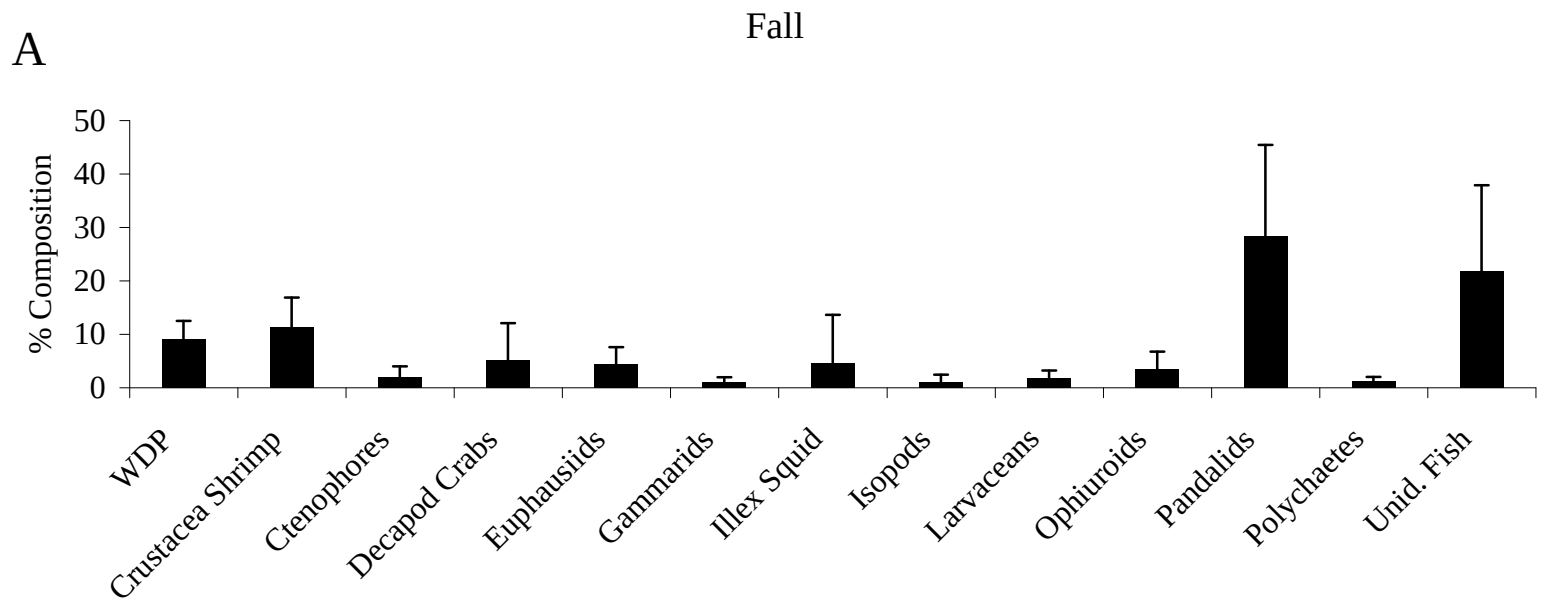

Figure 109A. Percent diet composition by weight of major prey taxa for blackbelly rosefish (*Helicolenus dactylopterus*) collected in fall (n = 443). WDP = well-digested prey; Unid. Fish = unidentified fish.

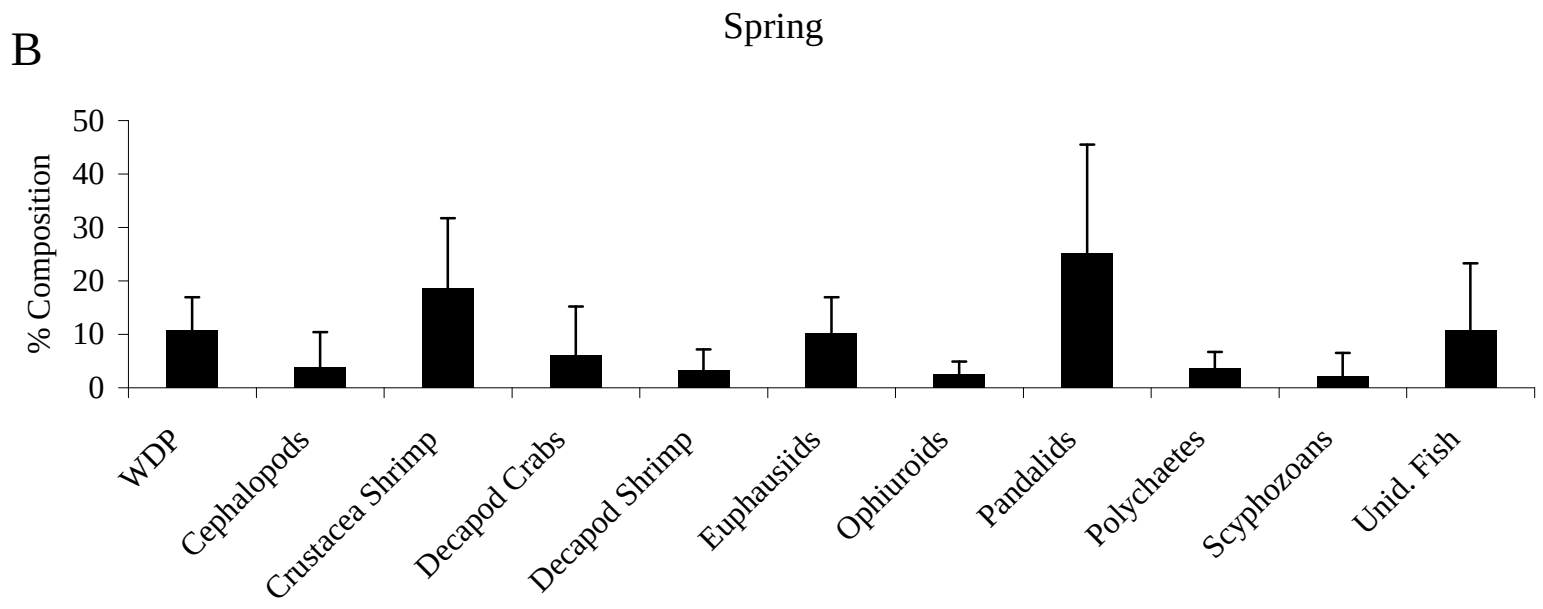

Figure 109B. Percent diet composition by weight of major prey taxa for blackbelly rosefish (*Helicolenus dactylopterus*) collected in spring (n = 372). WDP = well-digested prey; Unid. Fish = unidentified fish.

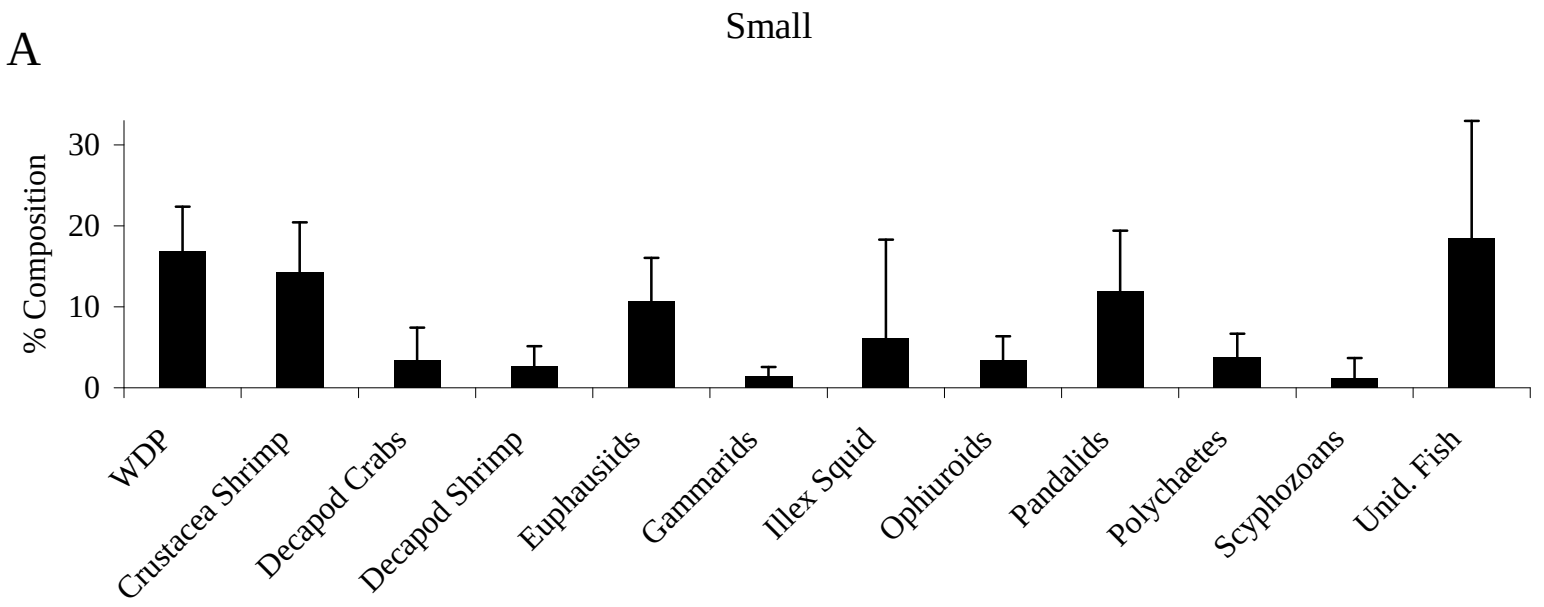

Figure 110A. Percent diet composition by weight of major prey taxa for blackbelly rosefish (*Helicolenus dactylopterus*) in the small size class (n = 677). WDP = well-digested prey; Unid. Fish = unidentified fish.

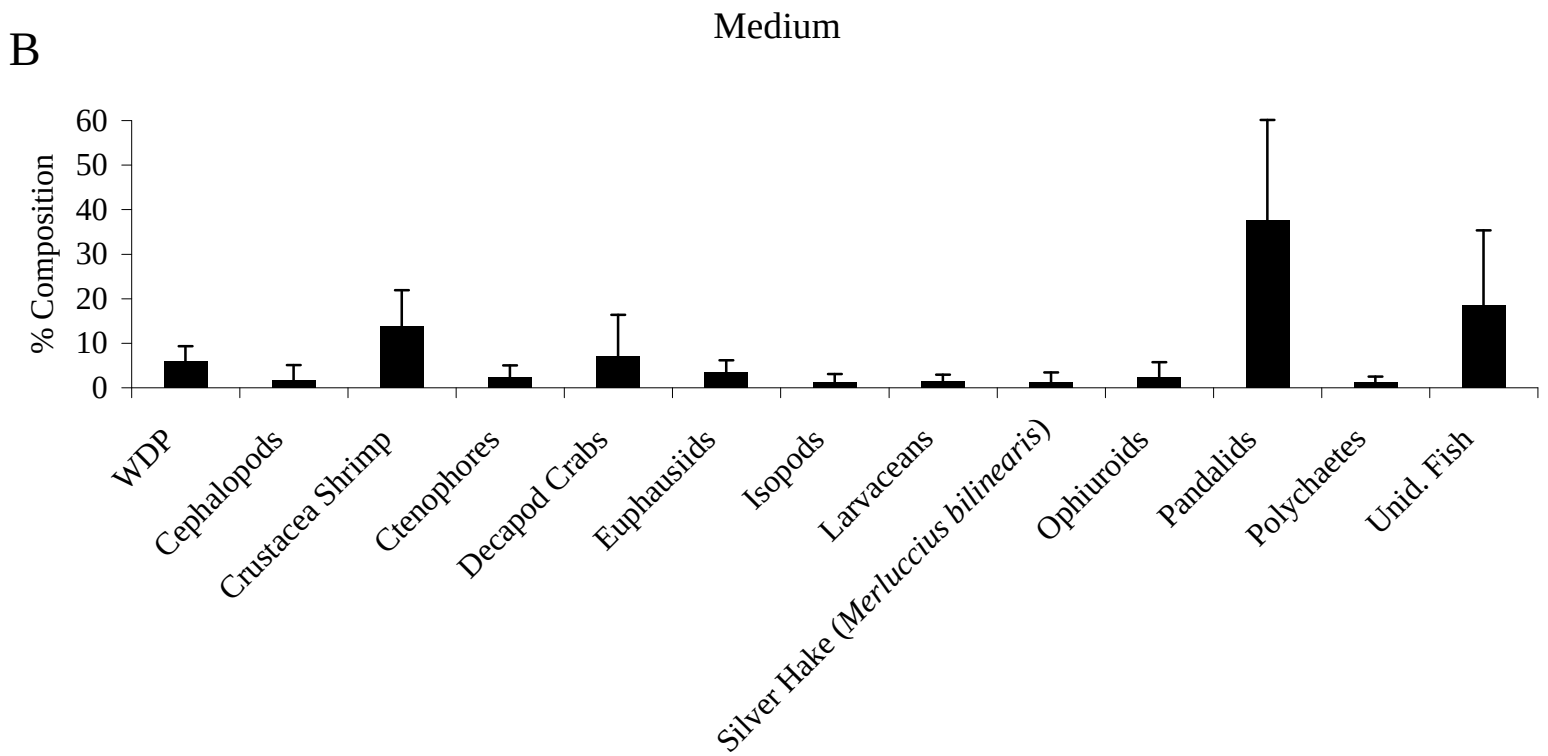

Figure 110B. Percent diet composition by weight of major prey taxa for blackbelly rosefish (*Helicolenus dactylopterus*) in the medium size class (n = 279). WDP = well-digested prey; Unid. Fish = unidentified fish.

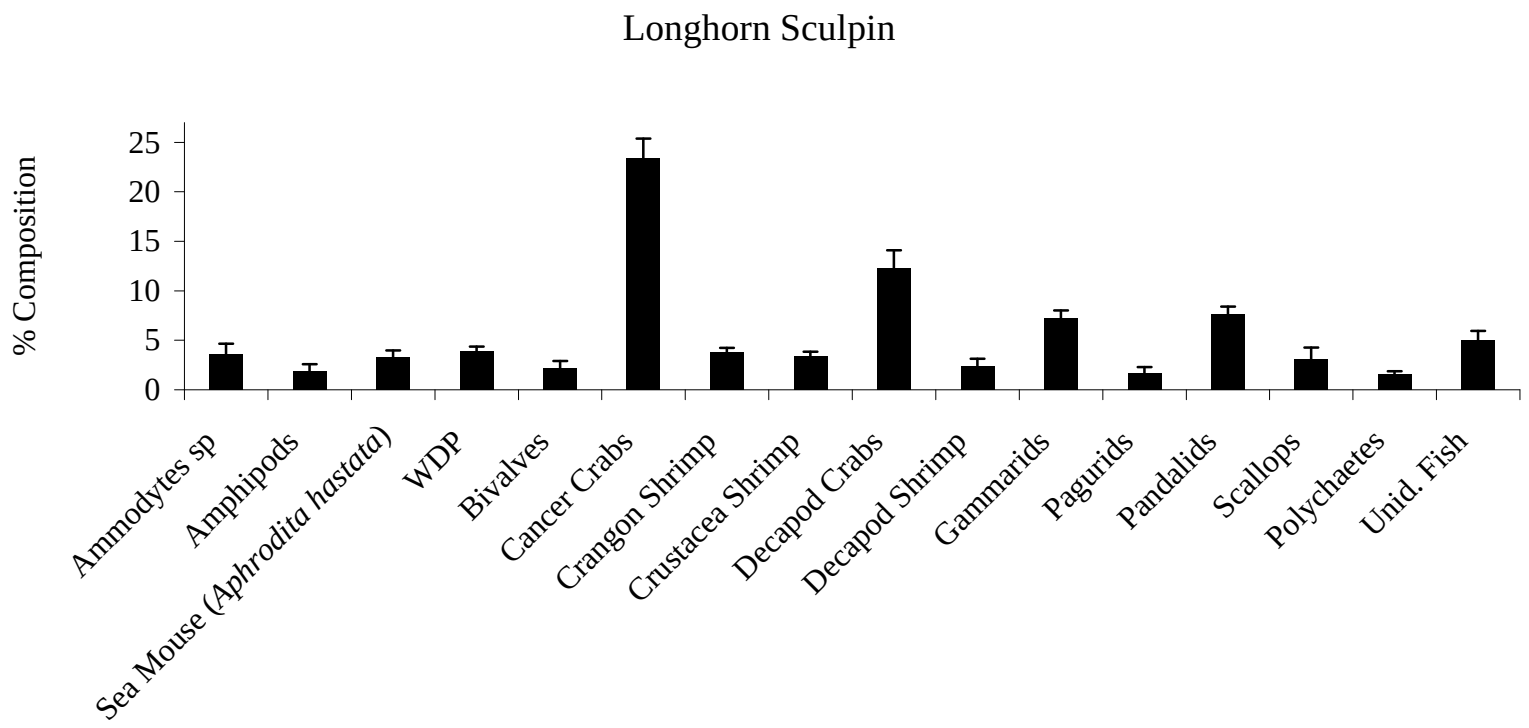

Figure 111. Percent diet composition by weight of major prey taxa for longhorn sculpin (*Myoxocephalus octodecemspinosus*; n = 12,188). WDP = well-digested prey; Unid. Fish = unidentified fish.

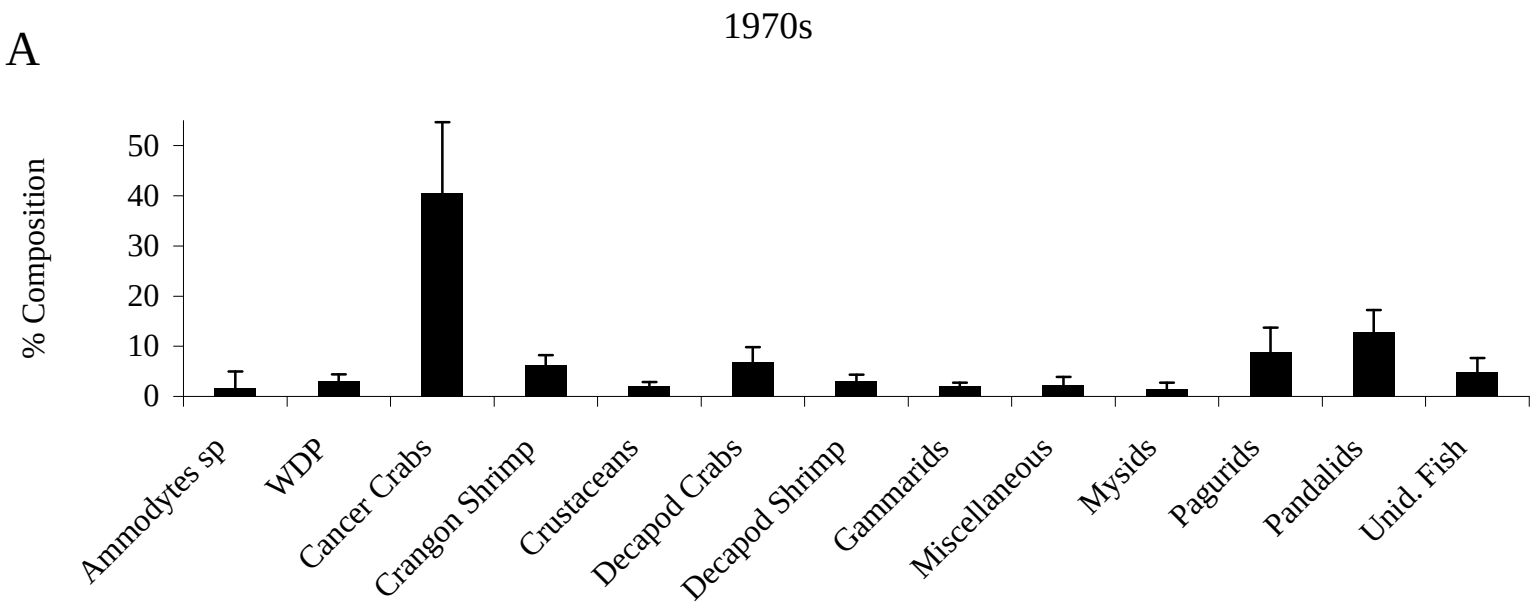

Figure 112A. Percent diet composition by weight of major prey taxa for longhorn sculpin (*Myoxocephalus octodecemspinosus*) collected in the 1970s (n = 715). WDP = well-digested prey; Unid. Fish = unidentified fish.

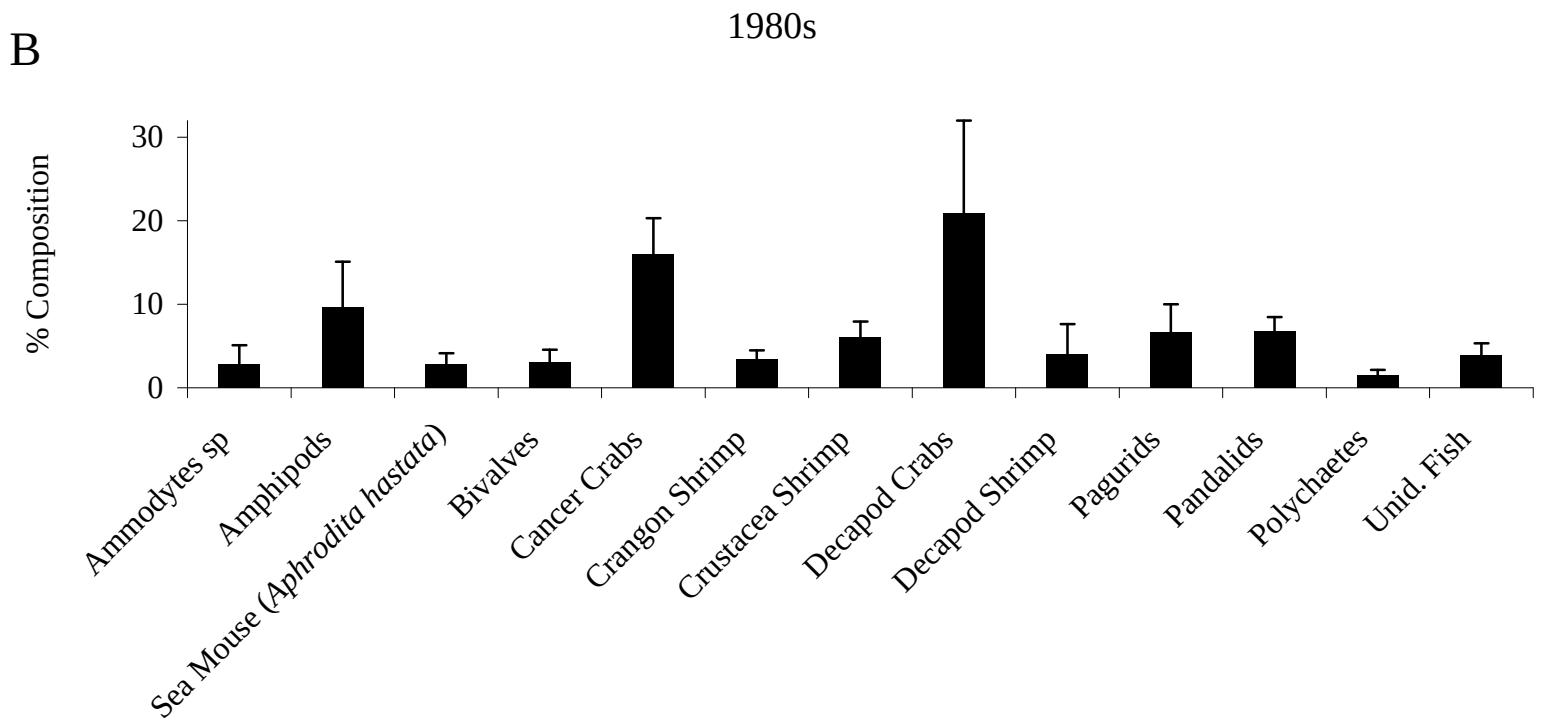

Figure 112B. Percent diet composition by weight of major prey taxa for longhorn sculpin (*Myoxocephalus octodecemspinosus*) collected in the 1980s (n = 1,346). Unid. Fish = unidentified fish.

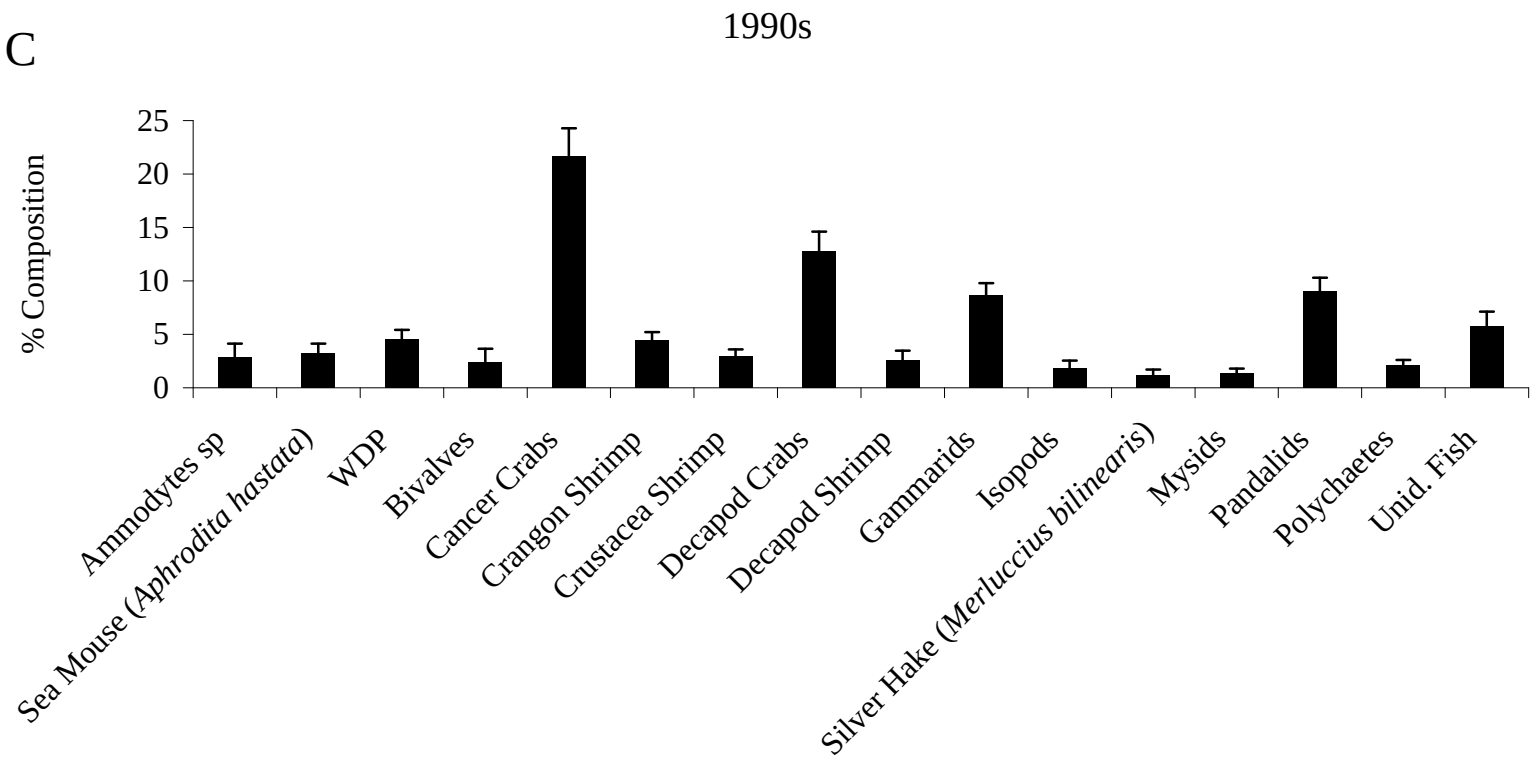

Figure 112C. Percent diet composition by weight of major prey taxa for longhorn sculpin (*Myoxocephalus octodecemspinosus*) collected in the 1990s (n = 6,484). WDP = well-digested prey; Unid. Fish = unidentified fish.

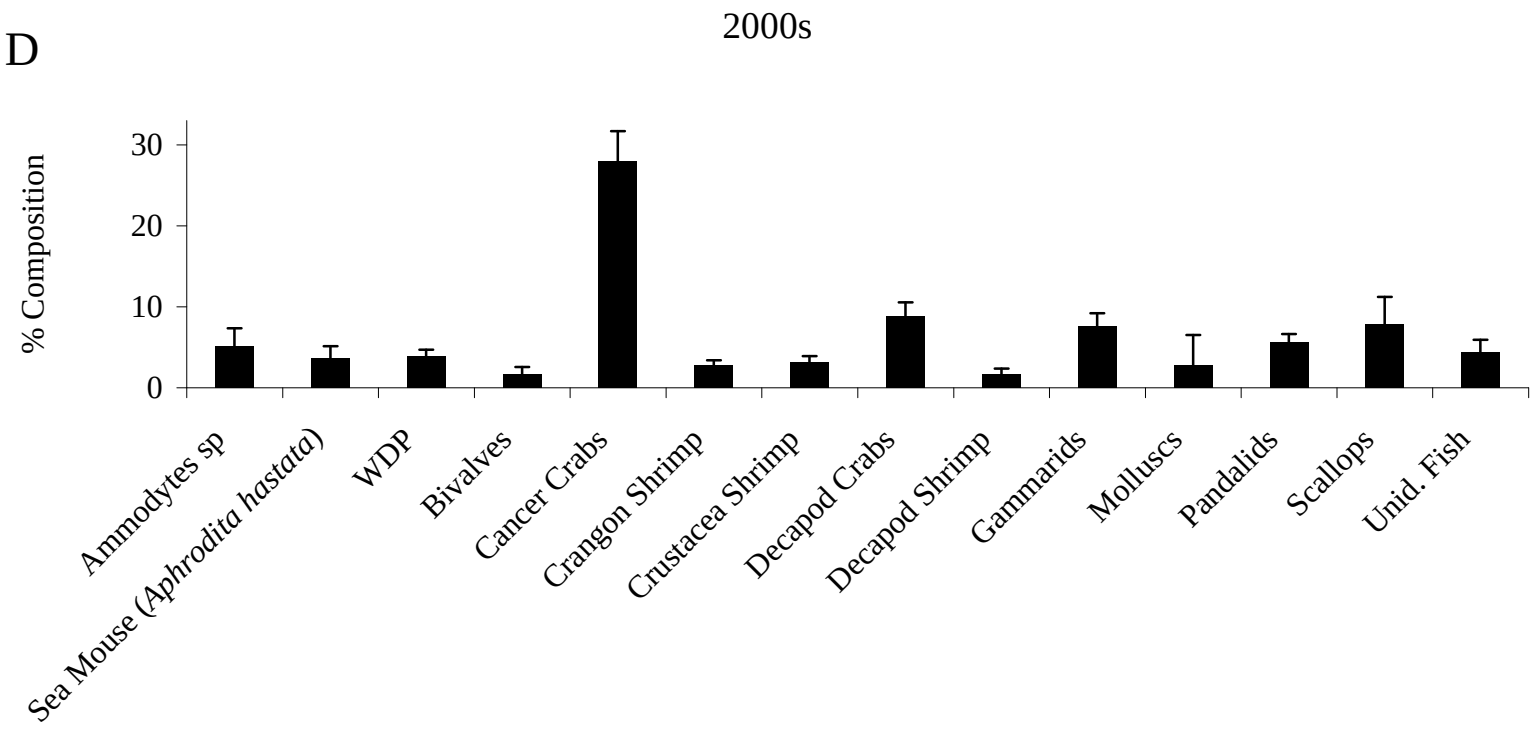

Figure 112D. Percent diet composition by weight of major prey taxa for longhorn sculpin (*Myoxocephalus octodecemspinosus*) collected in the 2000s (n = 3,643). WDP = well-digested prey; Unid. Fish = unidentified fish.

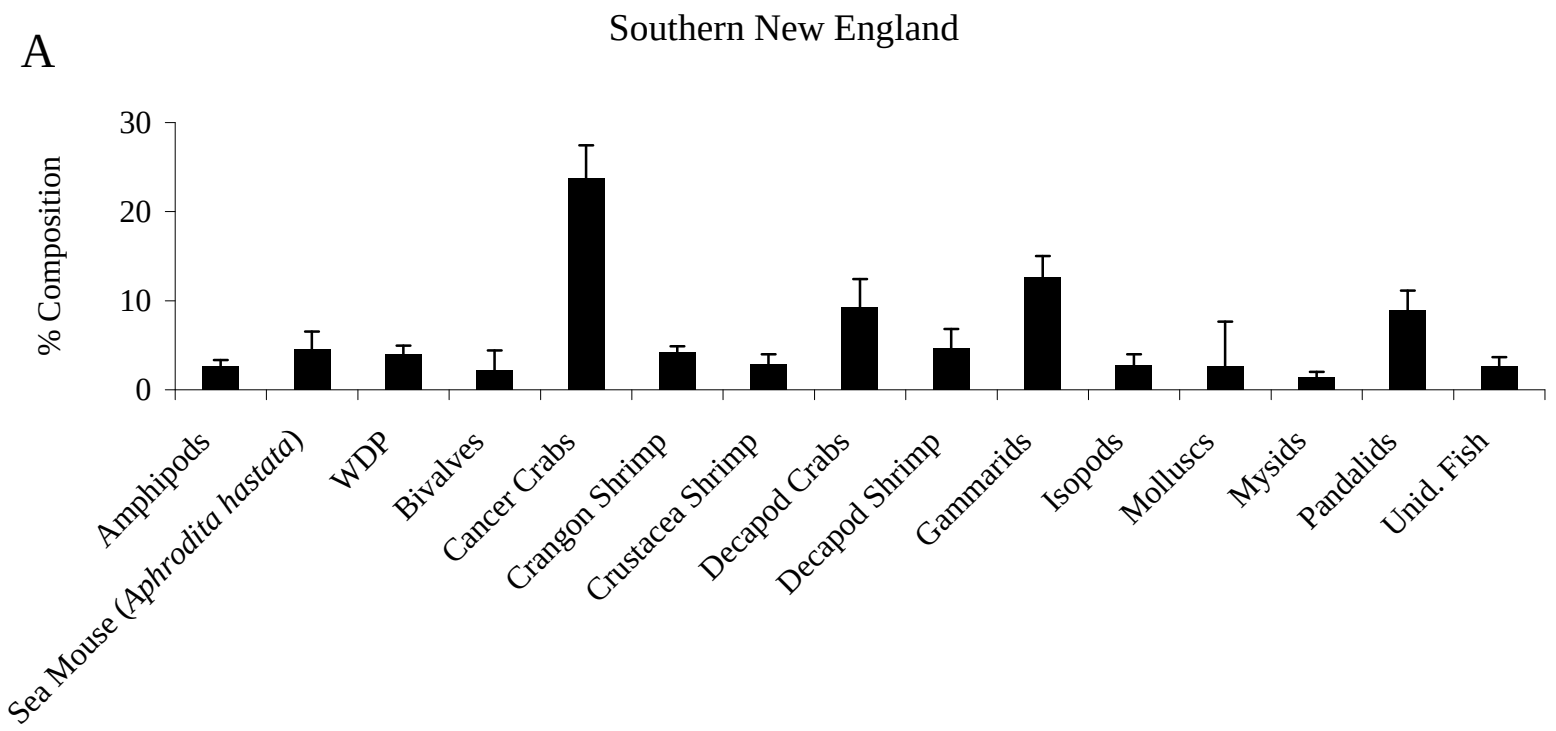

Figure 113A. Percent diet composition by weight of major prey taxa for longhorn sculpin (*Myoxocephalus octodecemspinosus*) collected in Southern New England (n = 1,898). WDP = well-digested prey; Unid. Fish = unidentified fish.

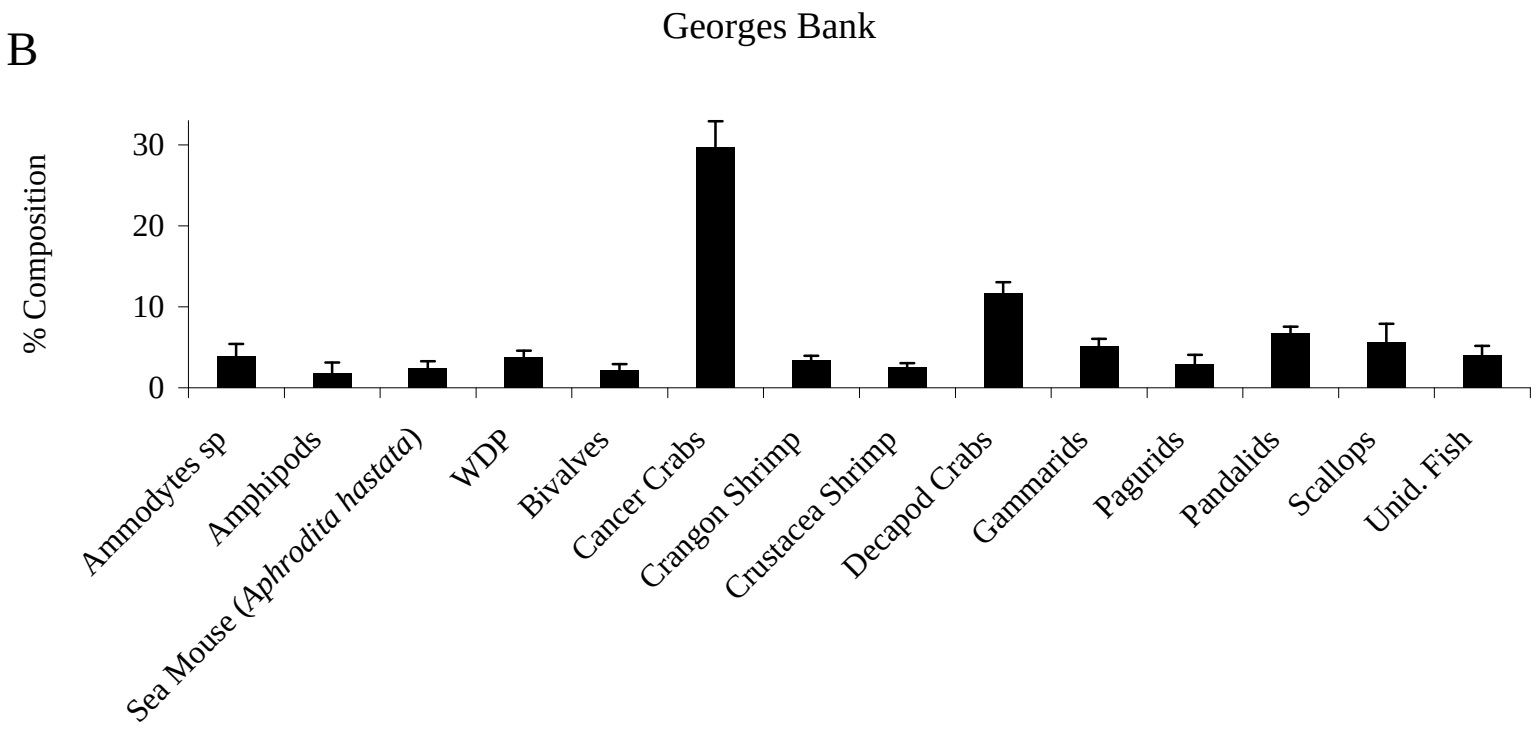

Figure 113B. Percent diet composition by weight of major prey taxa for longhorn sculpin (*Myoxocephalus octodecemspinosus*) collected on Georges Bank (n = 6,703). WDP = well-digested prey; Unid. Fish = unidentified fish.

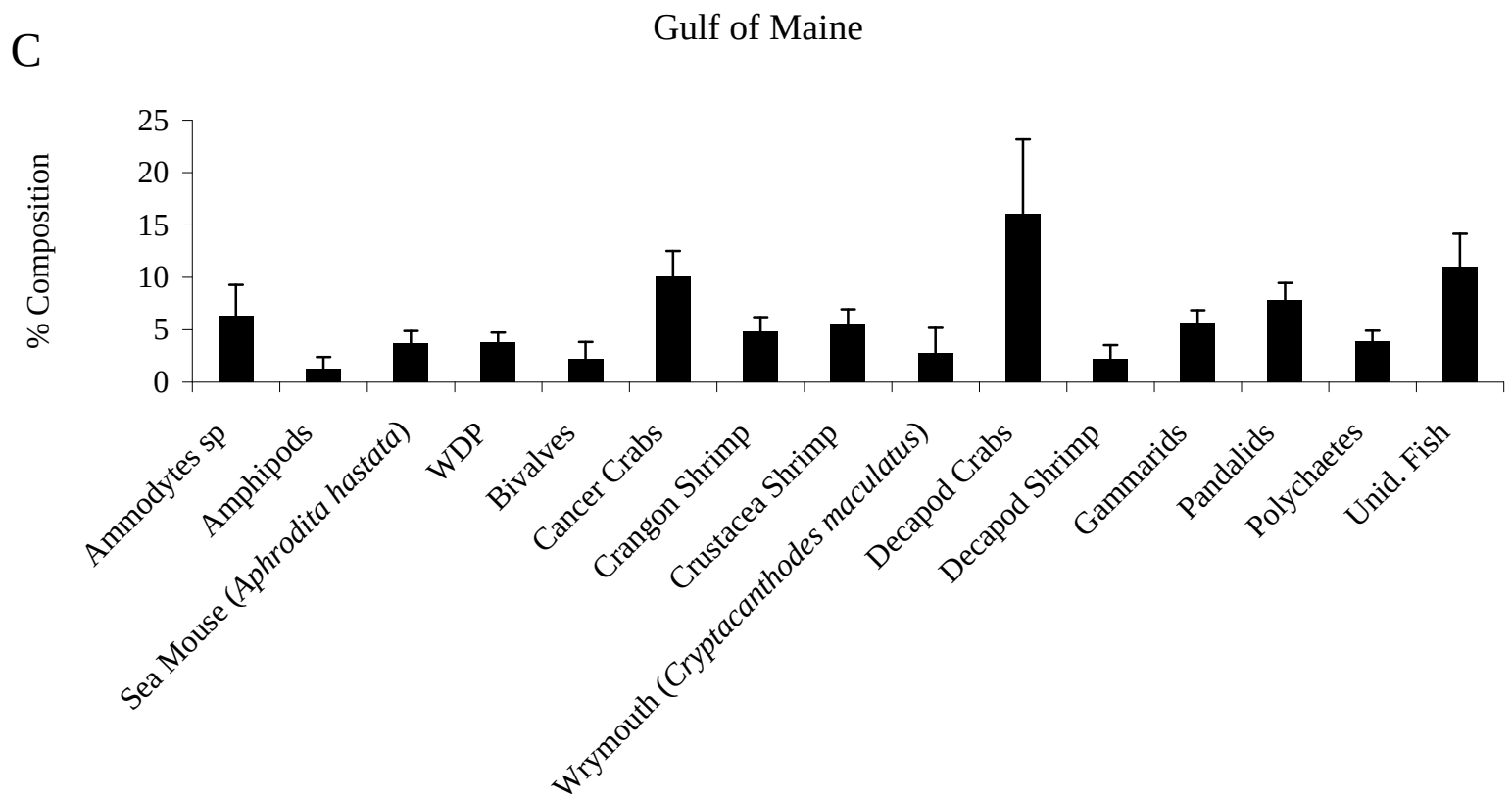

Figure 113C. Percent diet composition by weight of major prey taxa for longhorn sculpin (*Myoxocephalus octodecemspinosus*) collected in the Gulf of Maine (n = 2,825). WDP = well-digested prey; Unid. Fish = unidentified fish.

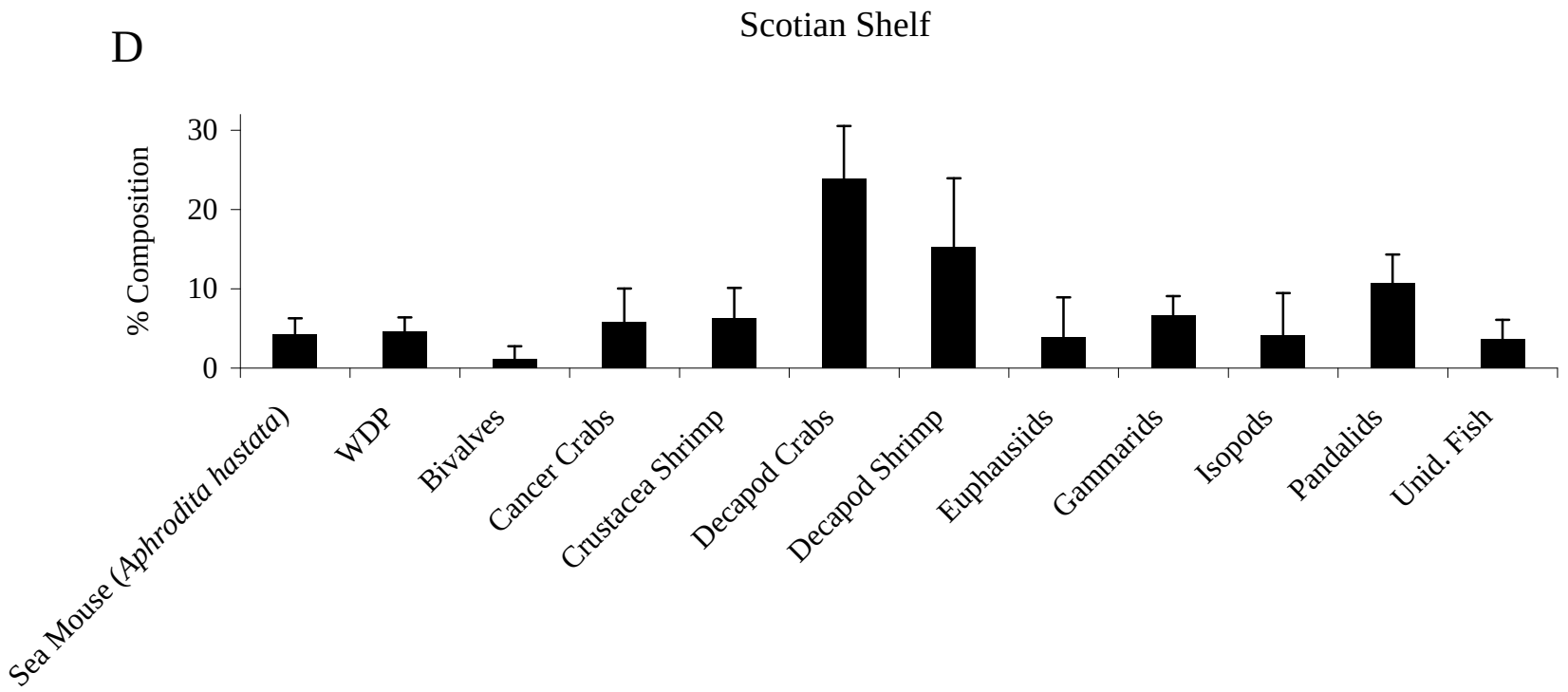

Figure 113D. Percent diet composition by weight of major prey taxa for longhorn sculpin (*Myoxocephalus octodecemspinosus*) collected on the Scotian Shelf (n = 748). WDP = well-digested prey; Unid. Fish = unidentified fish.

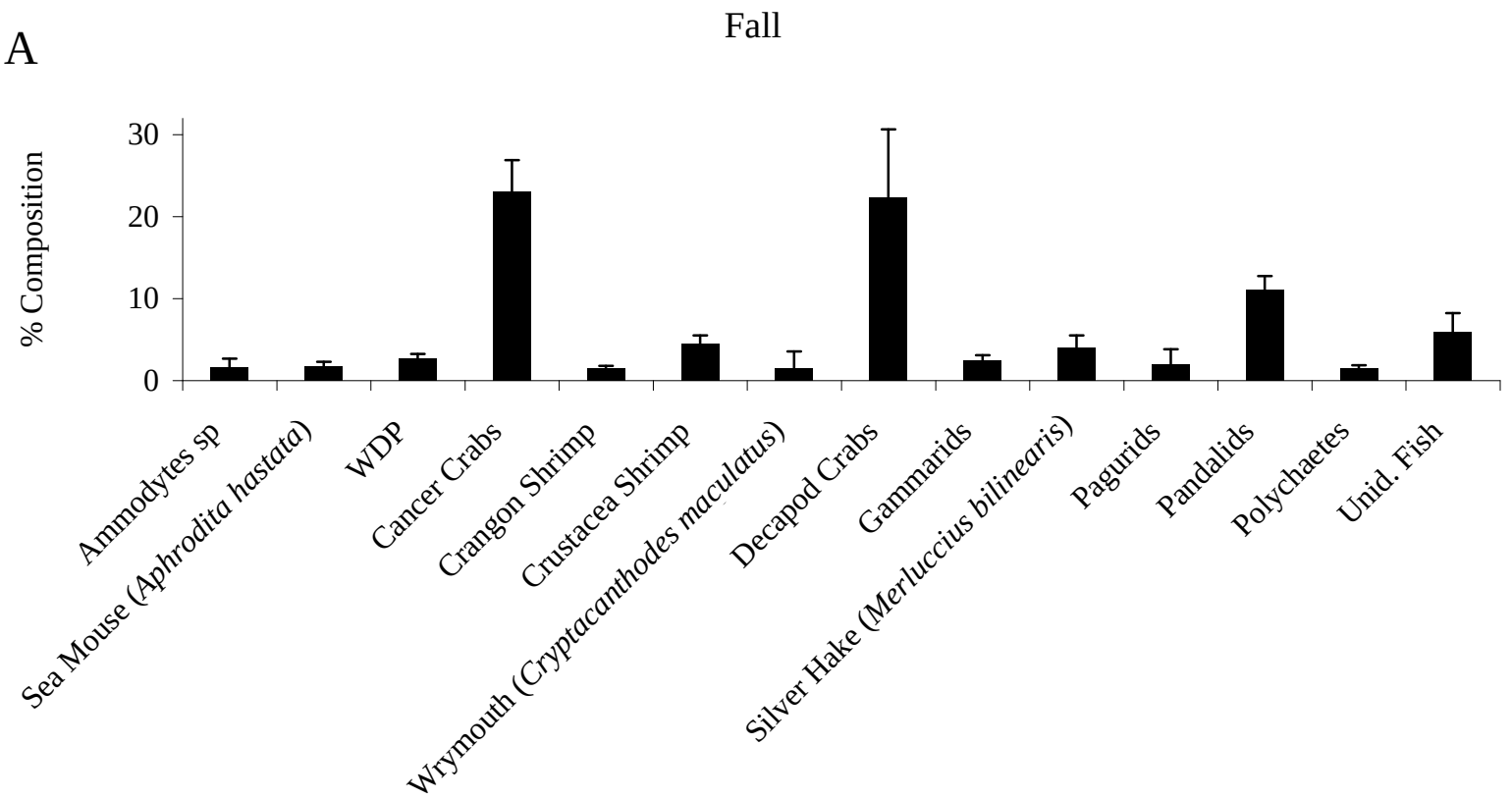

Figure 114A. Percent diet composition by weight of major prey taxa for longhorn sculpin (*Myoxocephalus octodecemspinosus*) collected in the fall (n = 3,654). WDP = well-digested prey; Unid. Fish = unidentified fish.

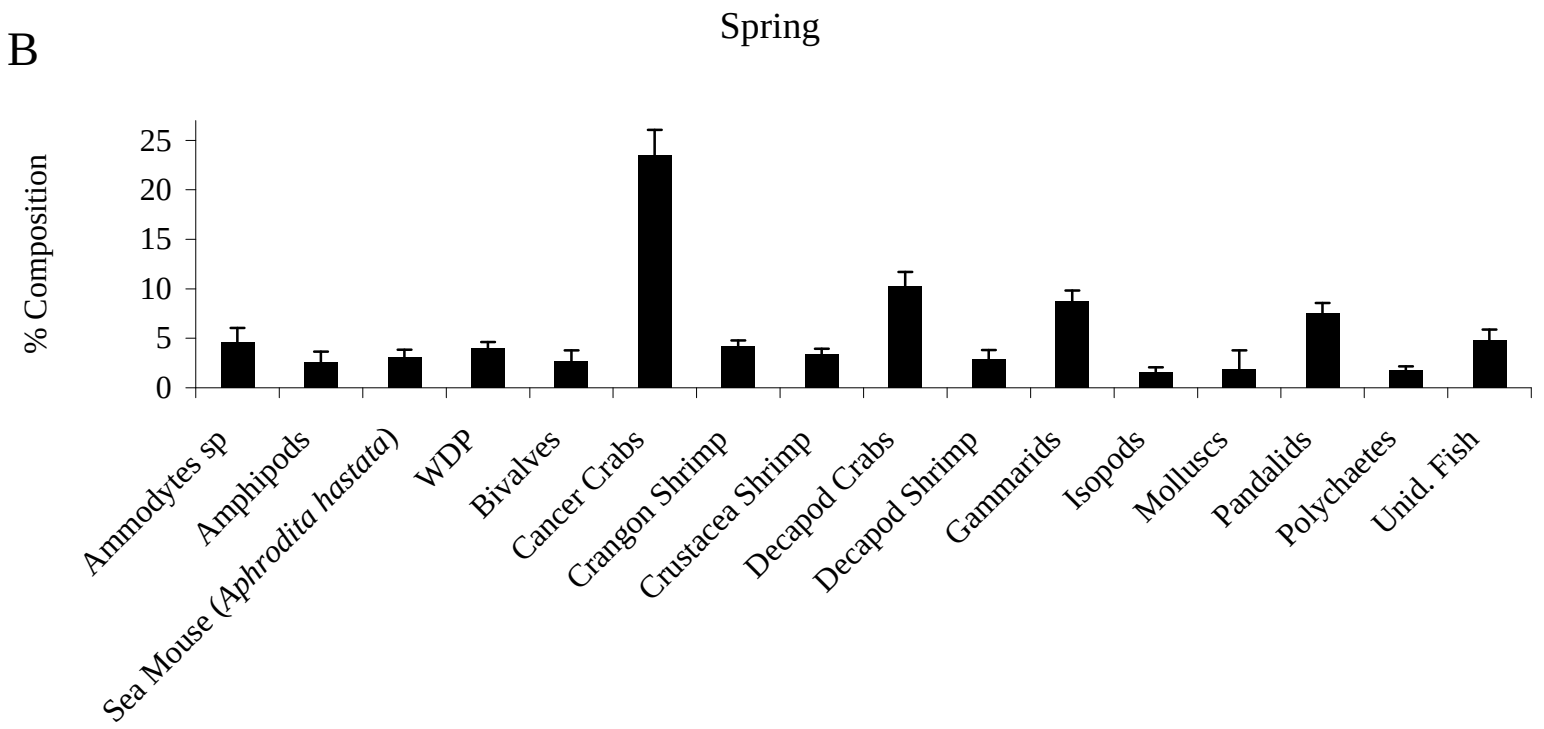

Figure 114B. Percent diet composition by weight of major prey taxa for longhorn sculpin (*Myoxocephalus octodecemspinosus*) collected in the spring (n = 6,873). WDP = well-digested prey; Unid. Fish = unidentified fish.

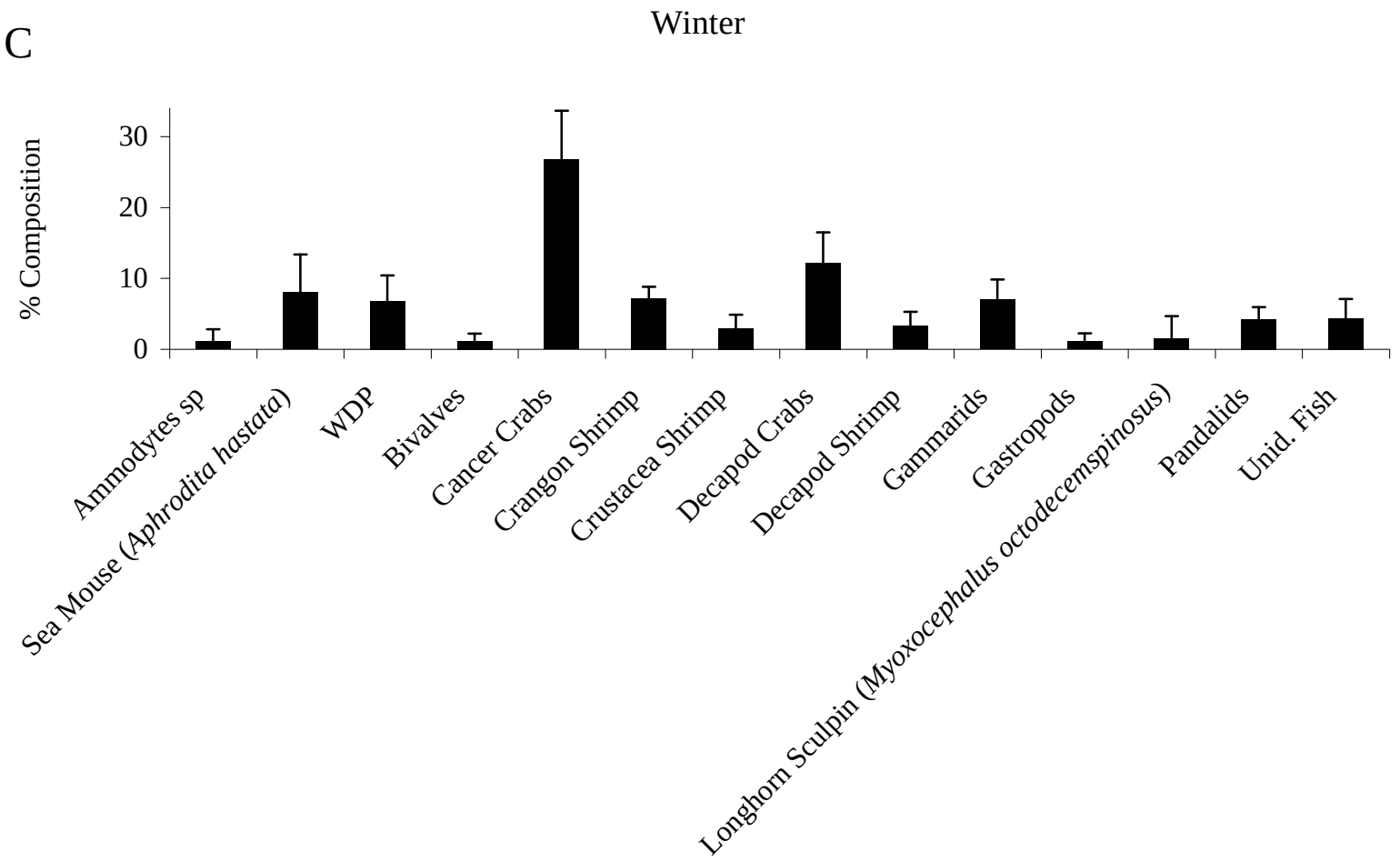

Figure 114C. Percent diet composition by weight of major prey taxa for longhorn sculpin (*Myoxocephalus octodecemspinosus*) collected in the winter (n = 897). WDP = well-digested prey; Unid. Fish = unidentified fish.

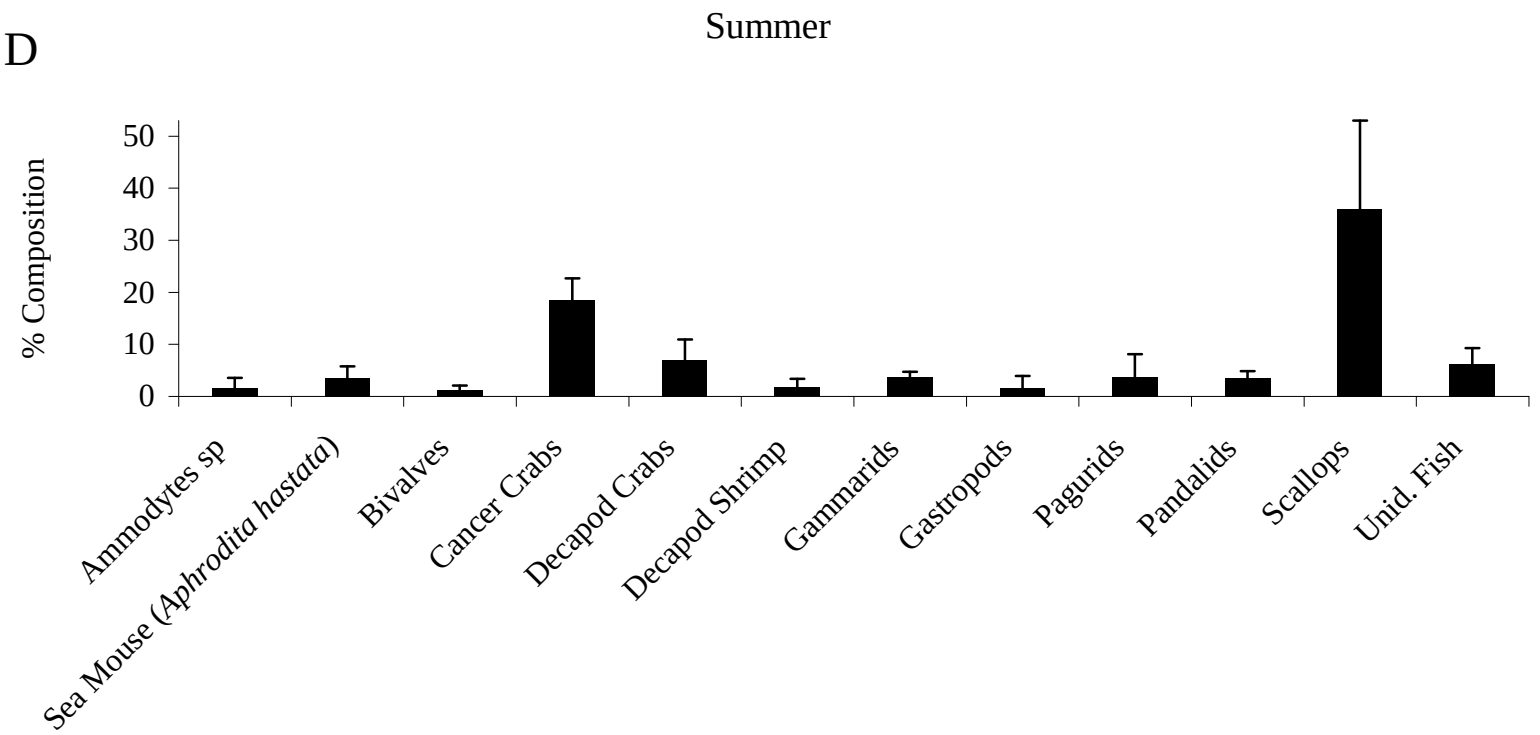

Figure 114D. Percent diet composition by weight of major prey taxa for longhorn sculpin (*Myoxocephalus octodecemspinosus*) collected in the summer (n = 764). Unid. Fish = unidentified fish.

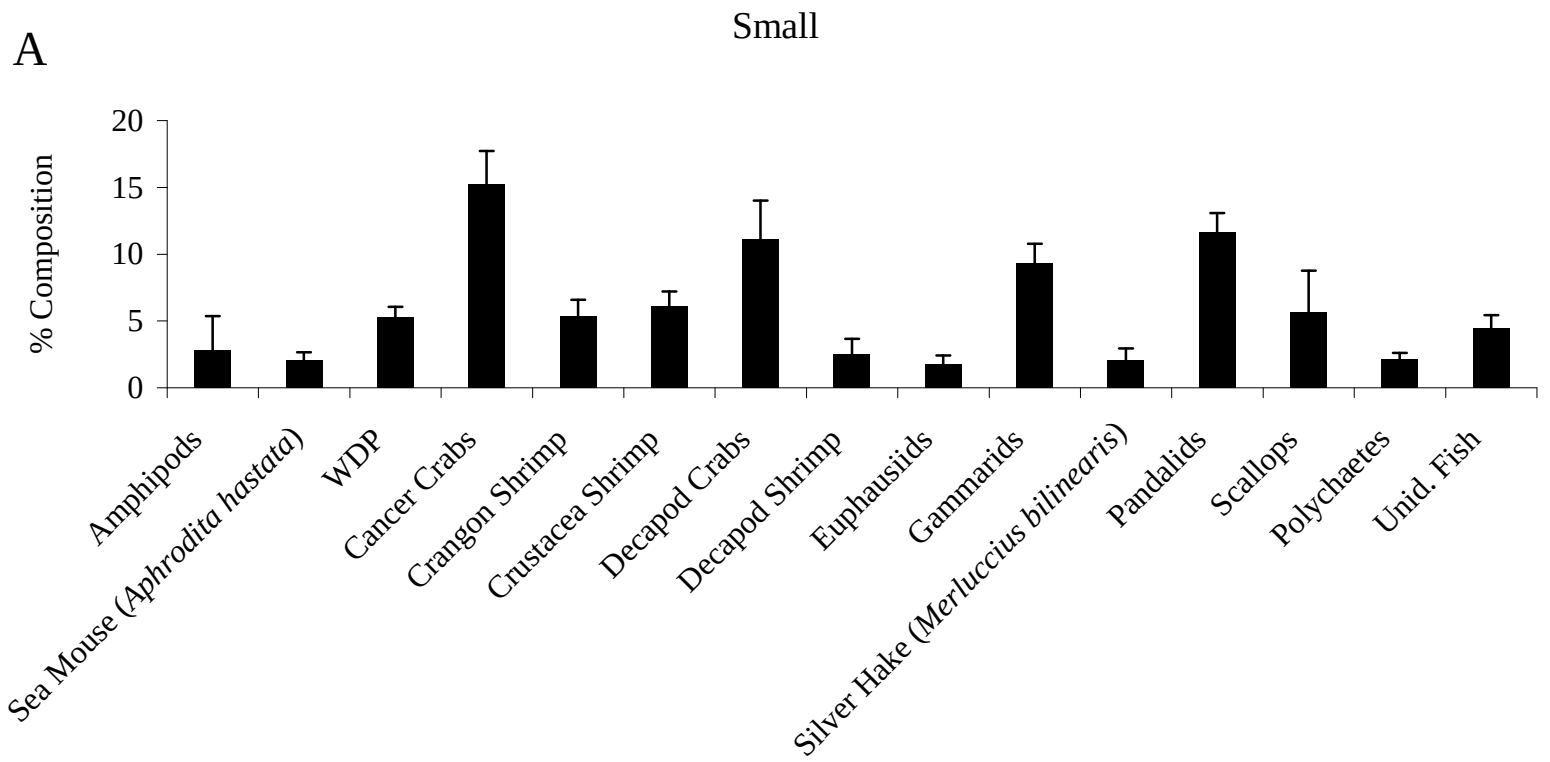

Figure 115A. Percent diet composition by weight of major prey taxa for longhorn sculpin (*Myoxocephalus octodecemspinosus*) in the small size class (n = 6,126). WDP = well-digested prey; Unid. Fish = unidentified fish.

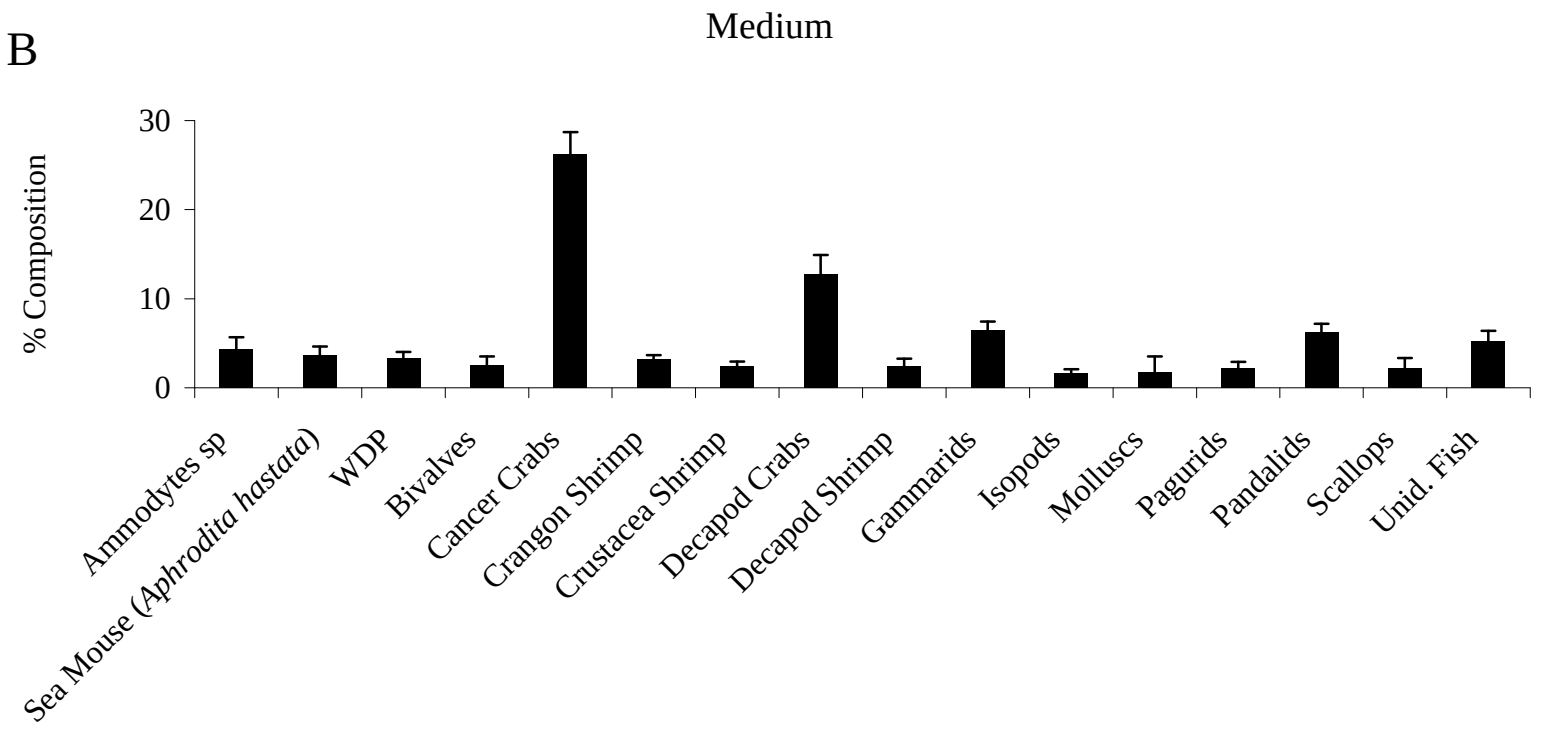

Figure 115B. Percent diet composition by weight of major prey taxa for longhorn sculpin (*Myoxocephalus octodecemspinosus*) in the medium size class (n = 6,062). WDP = well-digested prey; Unid. Fish = unidentified fish.

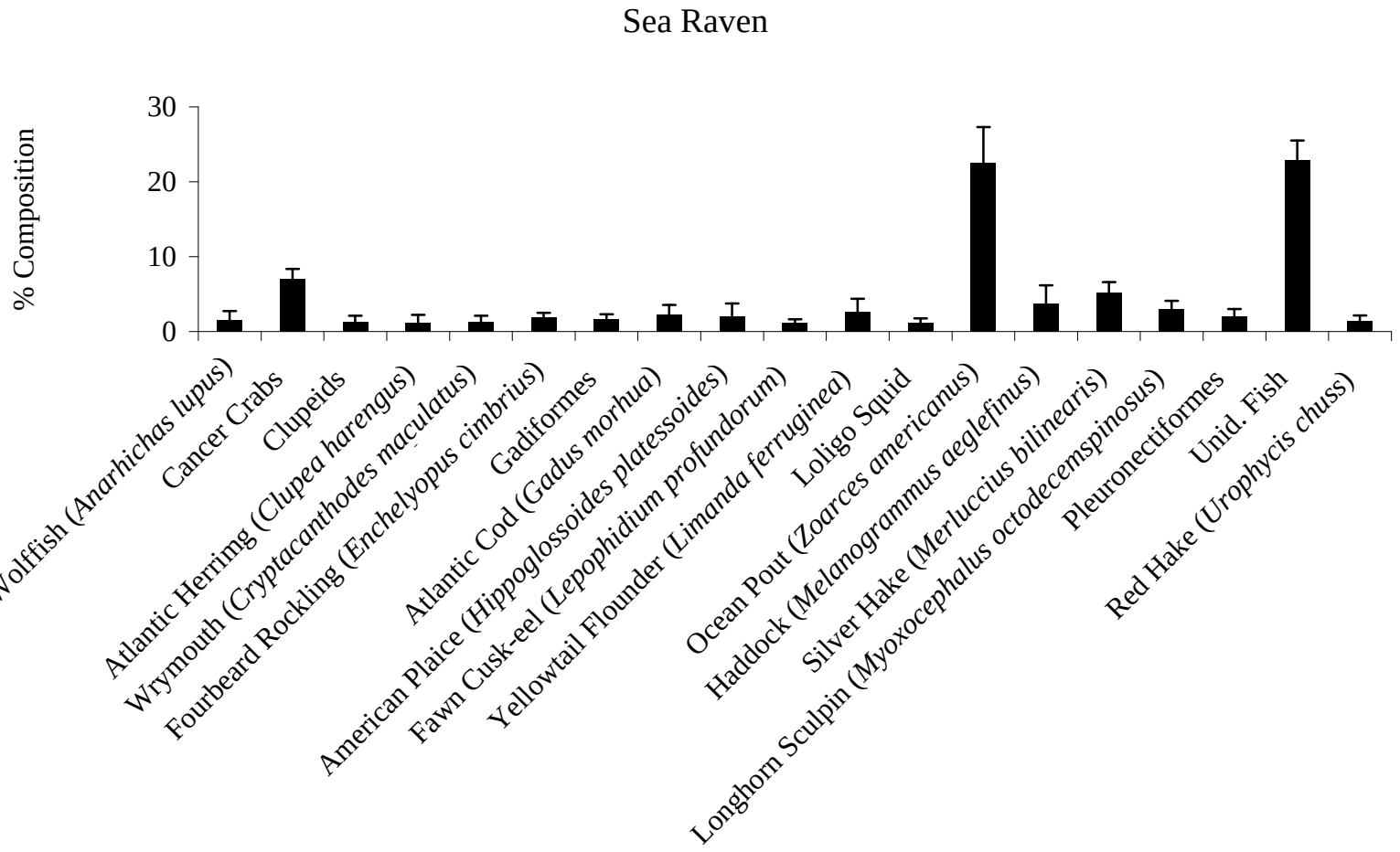

Figure 116. Percent diet composition by weight of major prey taxa for sea raven (*Hemitripterus americanus*; n = 7,472). Unid. Fish = unidentified fish.

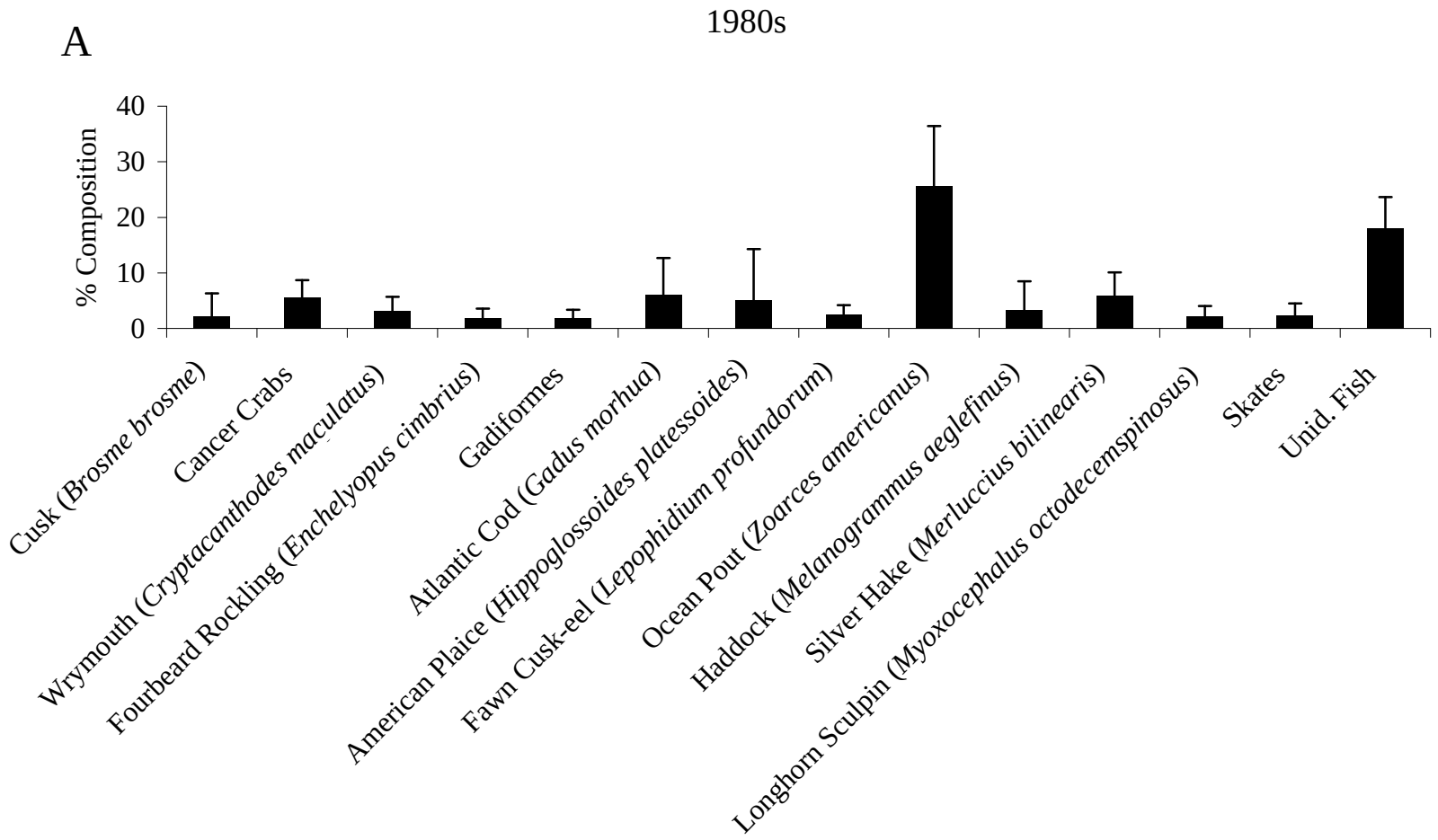

Figure 117A. Percent diet composition by weight of major prey taxa for sea raven (*Hemitripterus americanus*) collected in the 1980s (n = 1,072). Unid. Fish = unidentified fish.

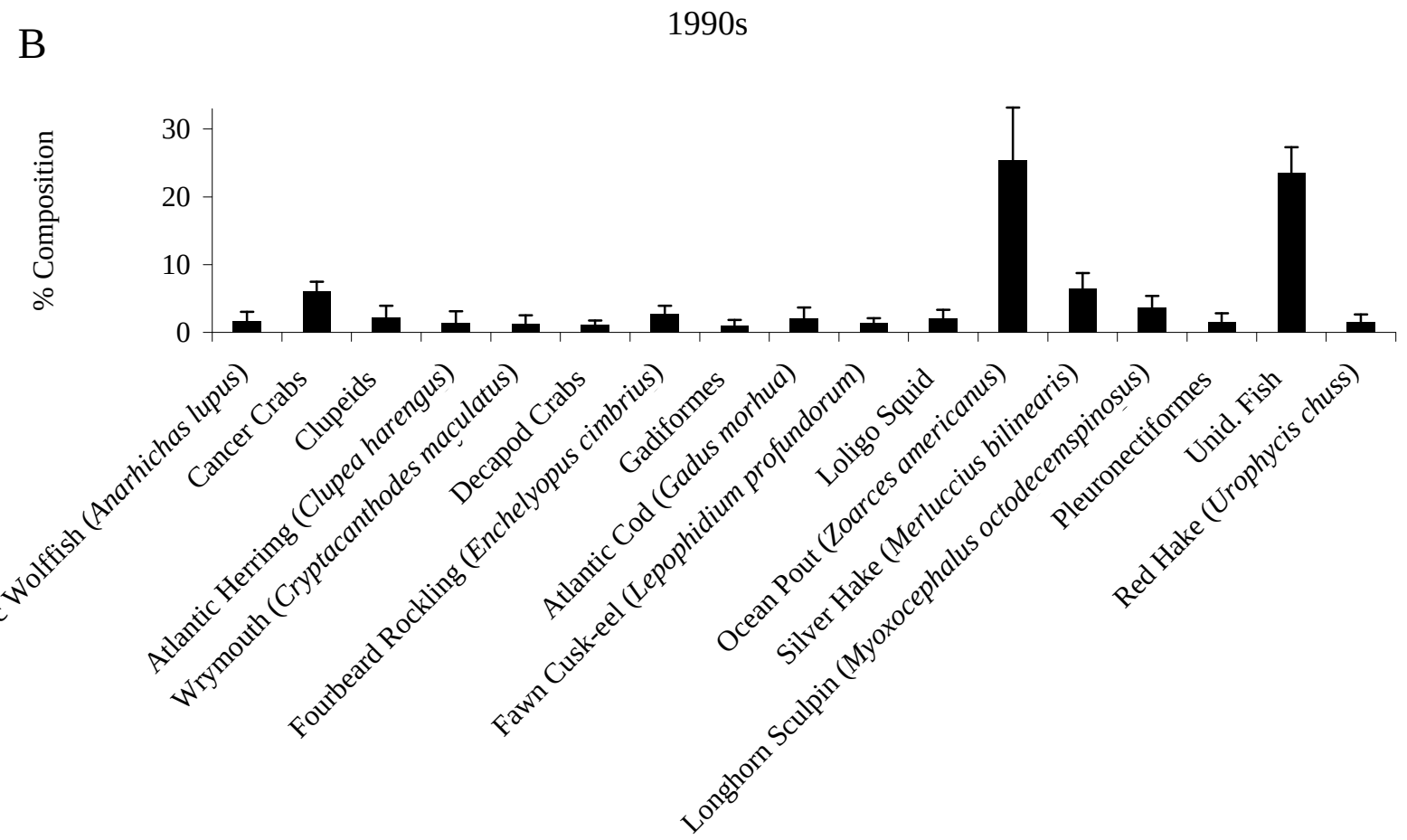

Figure 117B. Percent diet composition by weight of major prey taxa for sea raven (*Hemitripterus americanus*) collected in the 1990s (n = 3,765). Unid. Fish = unidentified fish.

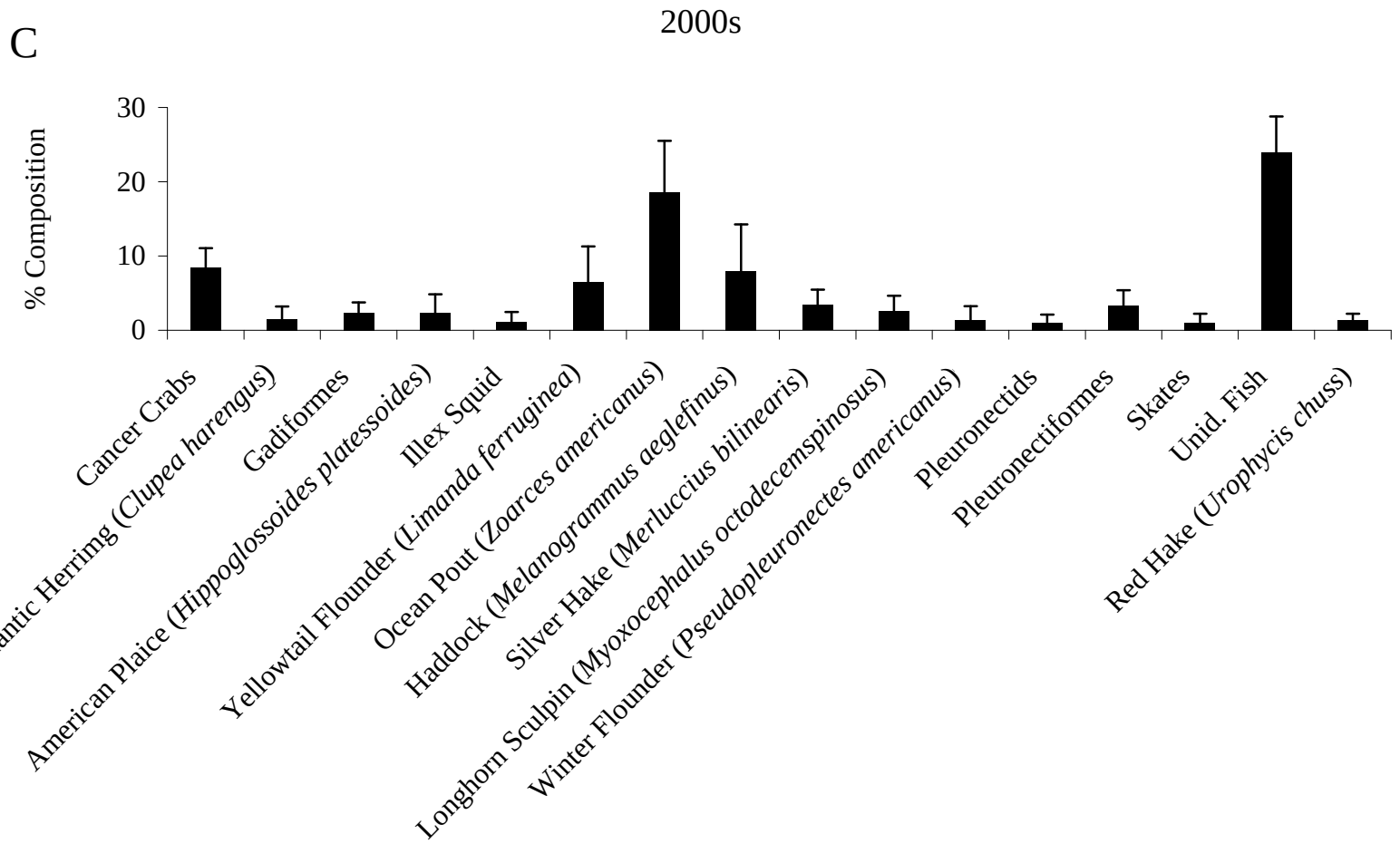

Figure 117C. Percent diet composition by weight of major prey taxa for sea raven (*Hemitripterus americanus*) collected in the 2000s (n = 2,519). Unid. Fish = unidentified fish.

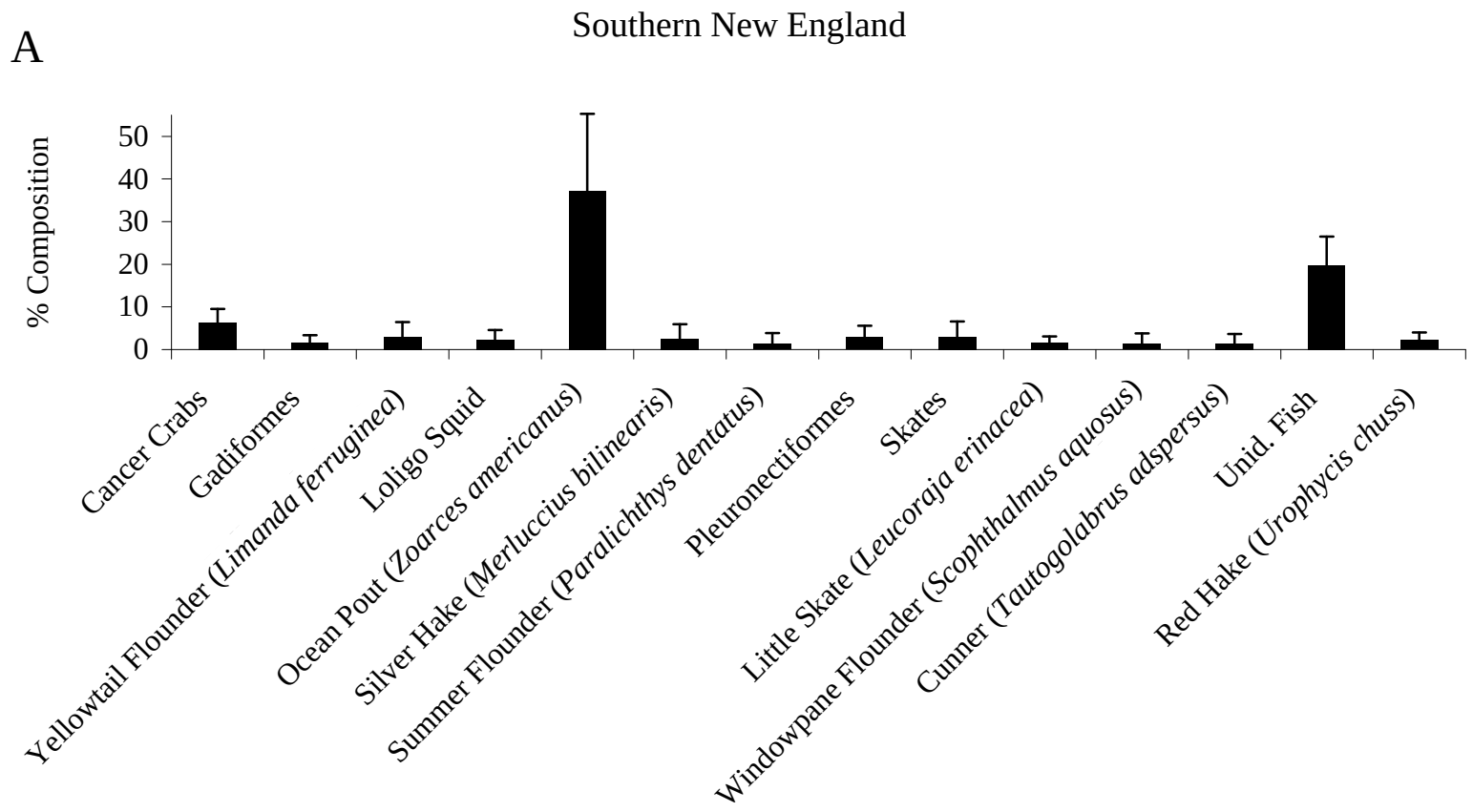

Figure 118A. Percent diet composition by weight of major prey taxa for sea raven (*Hemitripterus americanus*) collected in Southern New England (n = 906). Unid. Fish = unidentified fish.

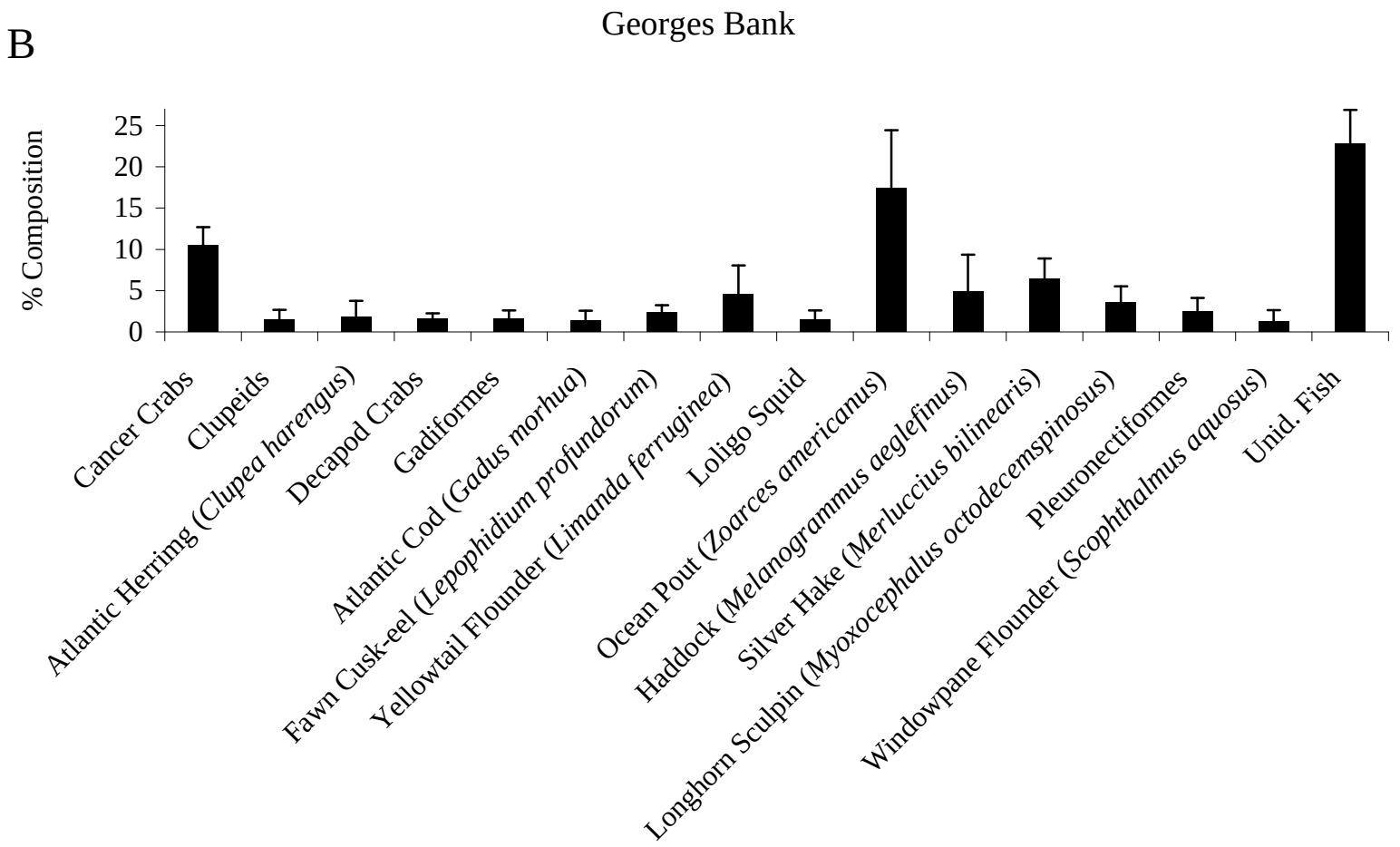

Figure 118B. Percent diet composition by weight of major prey taxa for sea raven (*Hemitripterus americanus*) collected on Georges Bank (n = 3,760). Unid. Fish = unidentified fish.

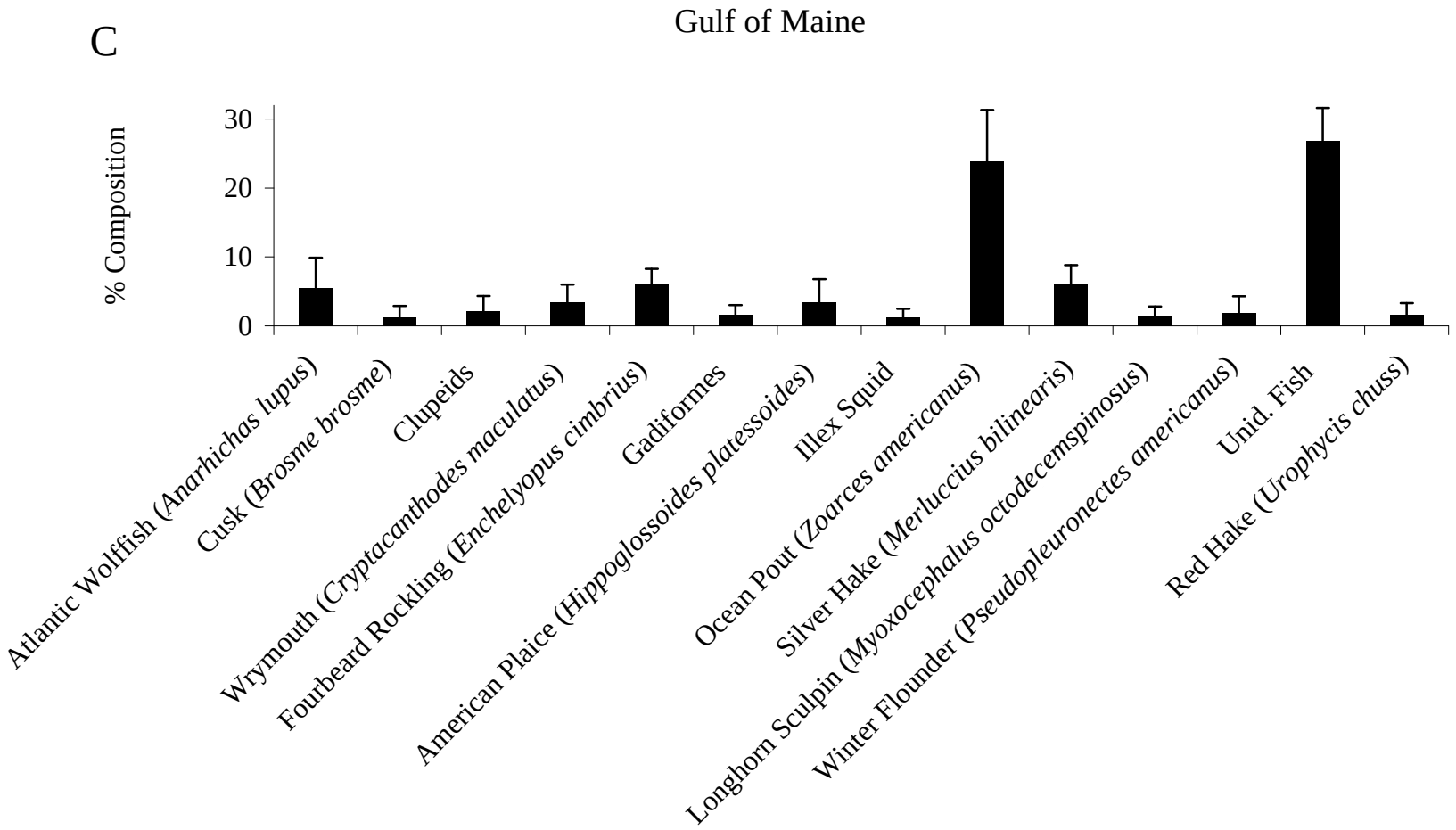

Figure 118C. Percent diet composition by weight of major prey taxa for sea raven (*Hemitripterus americanus*) collected in the Gulf of Maine (n = 1,992). Unid. Fish = unidentified fish.

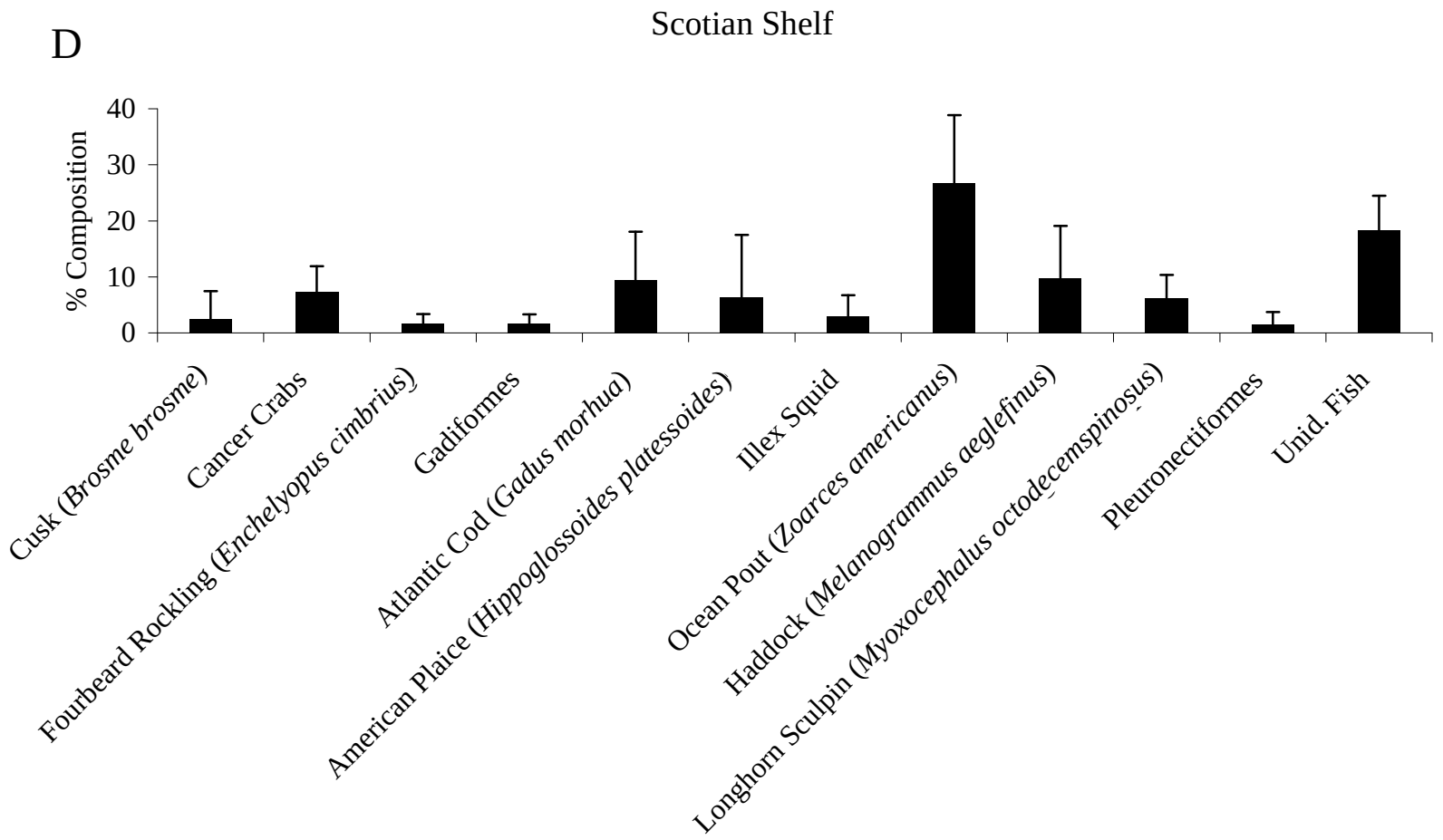

Figure 118D. Percent diet composition by weight of major prey taxa for sea raven (*Hemitripterus americanus*) collected on the Scotian Shelf (n = 760). Unid. Fish = unidentified fish.

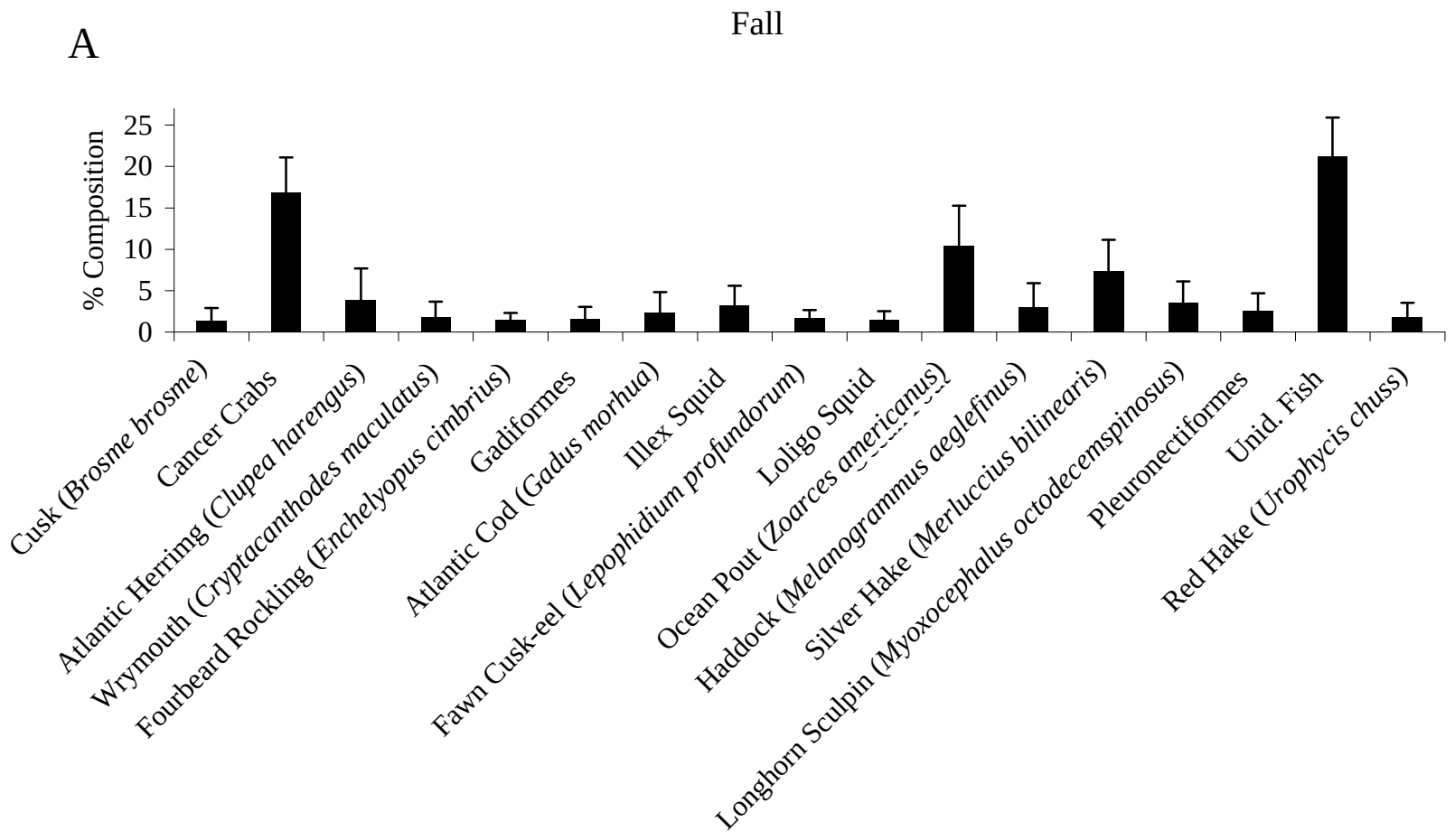

Figure 119A. Percent diet composition by weight of major prey taxa for sea raven (*Hemitripterus americanus*) collected in the fall (n = 2,512). Unid. Fish = unidentified fish.

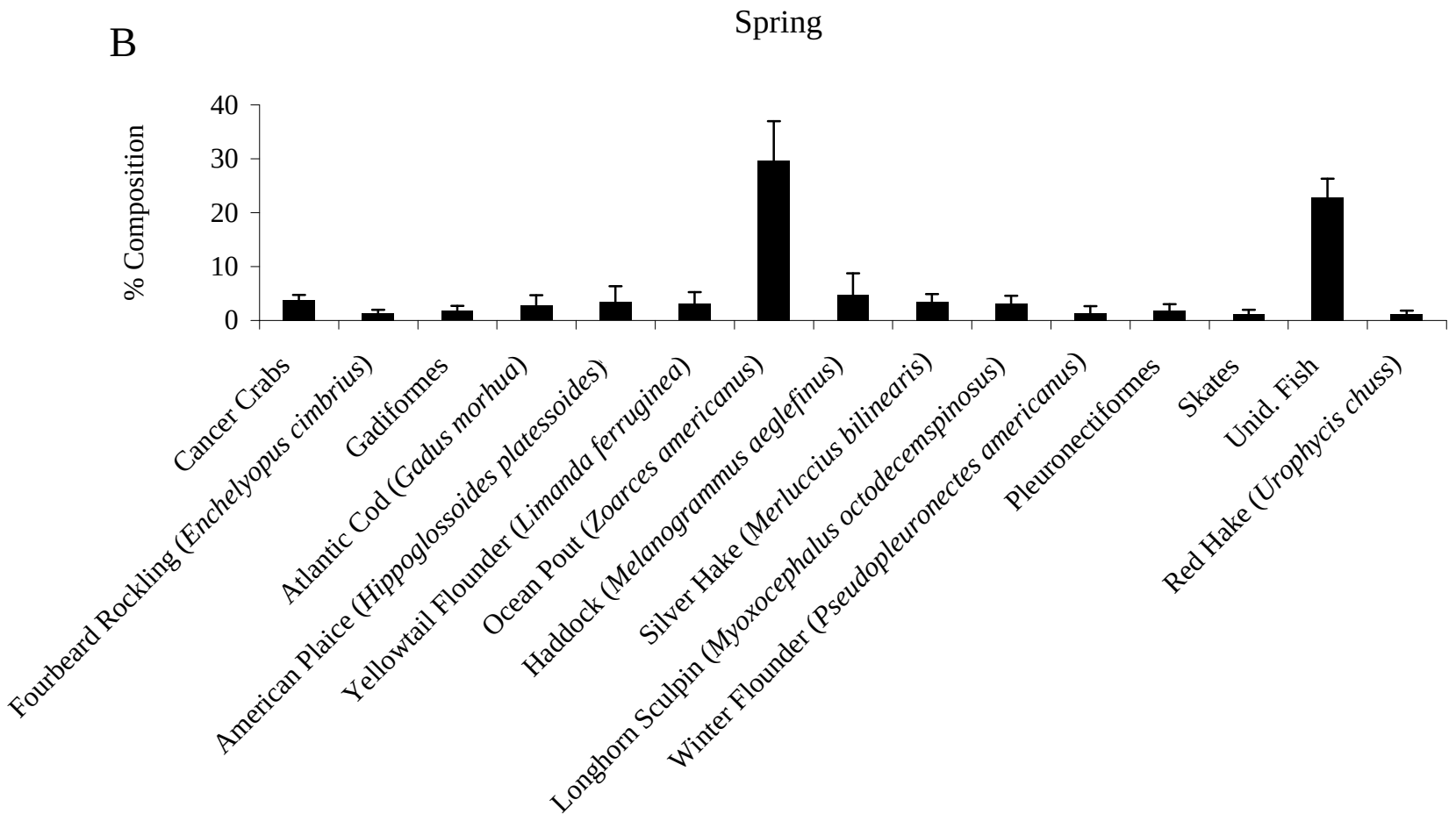

Figure 119B. Percent diet composition by weight of major prey taxa for sea raven (*Hemitripterus americanus*) collected in the spring (n = 3,898). Unid. Fish = unidentified fish.

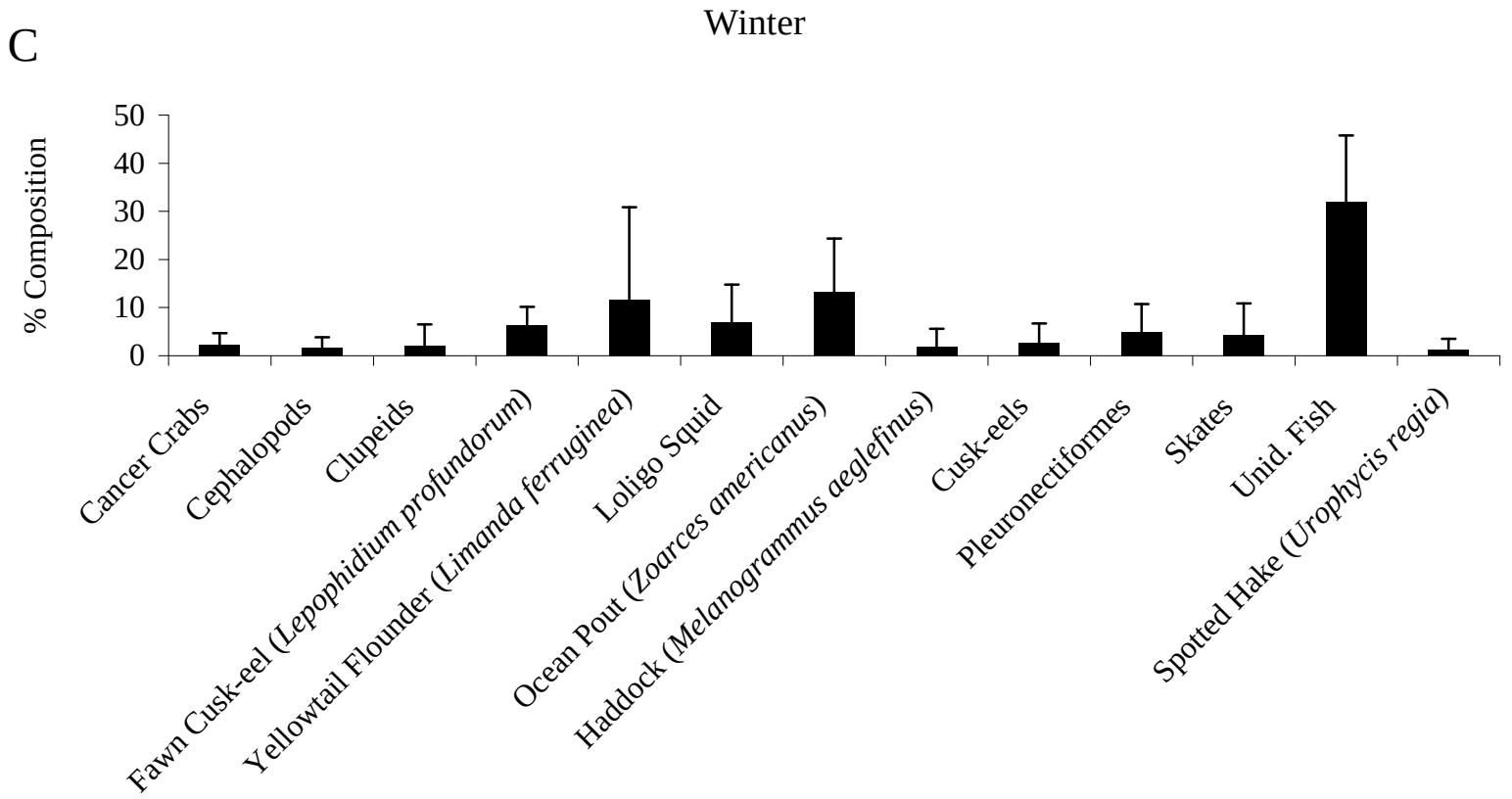

Figure 119C. Percent diet composition by weight of major prey taxa for sea raven (*Hemitripterus americanus*) collected in the winter (n = 459). Unid. Fish = unidentified fish.

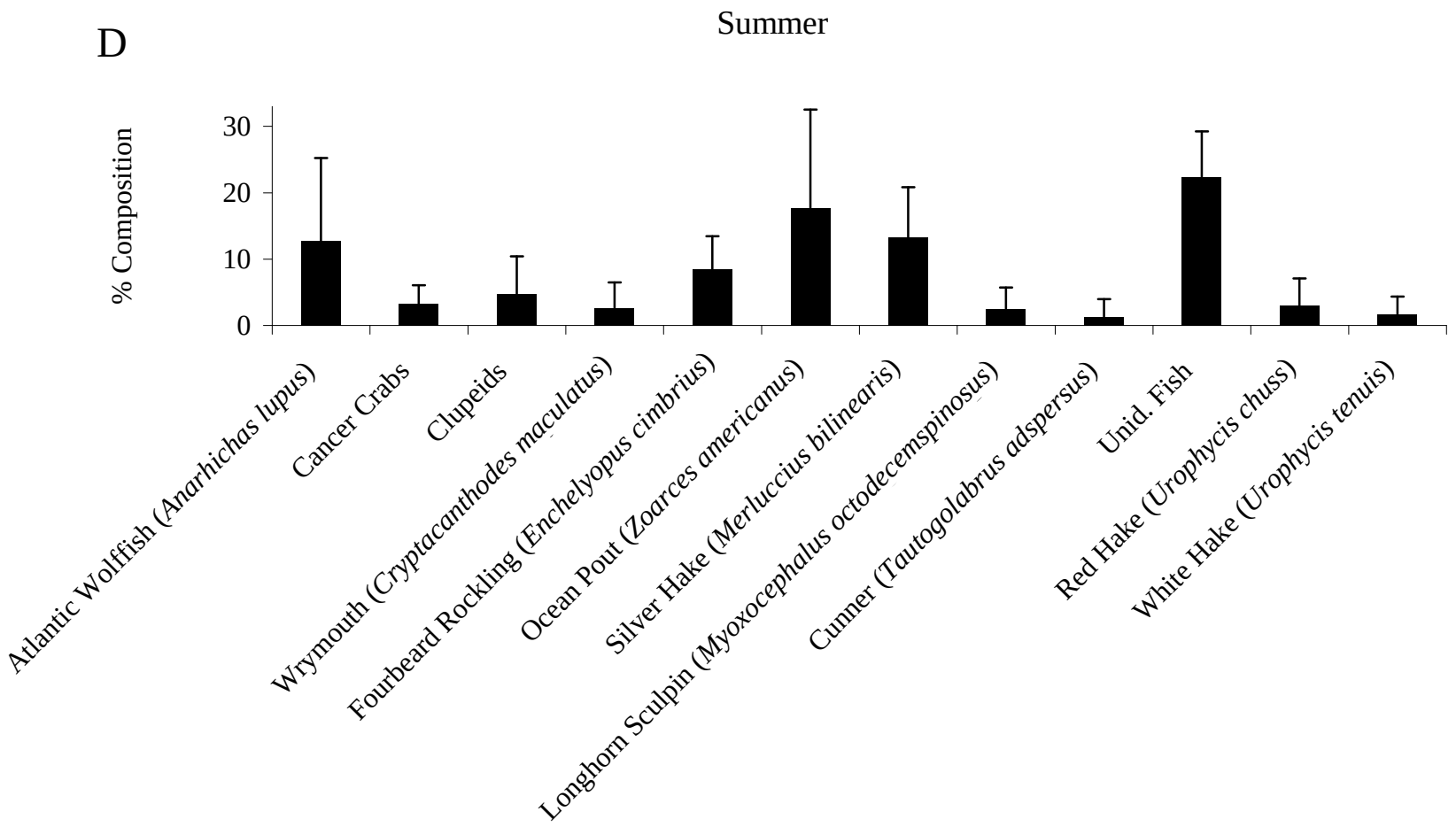

Figure 119D. Percent diet composition by weight of major prey taxa for sea raven (*Hemitripterus americanus*) collected in the summer (n = 603). Unid. Fish = unidentified fish.

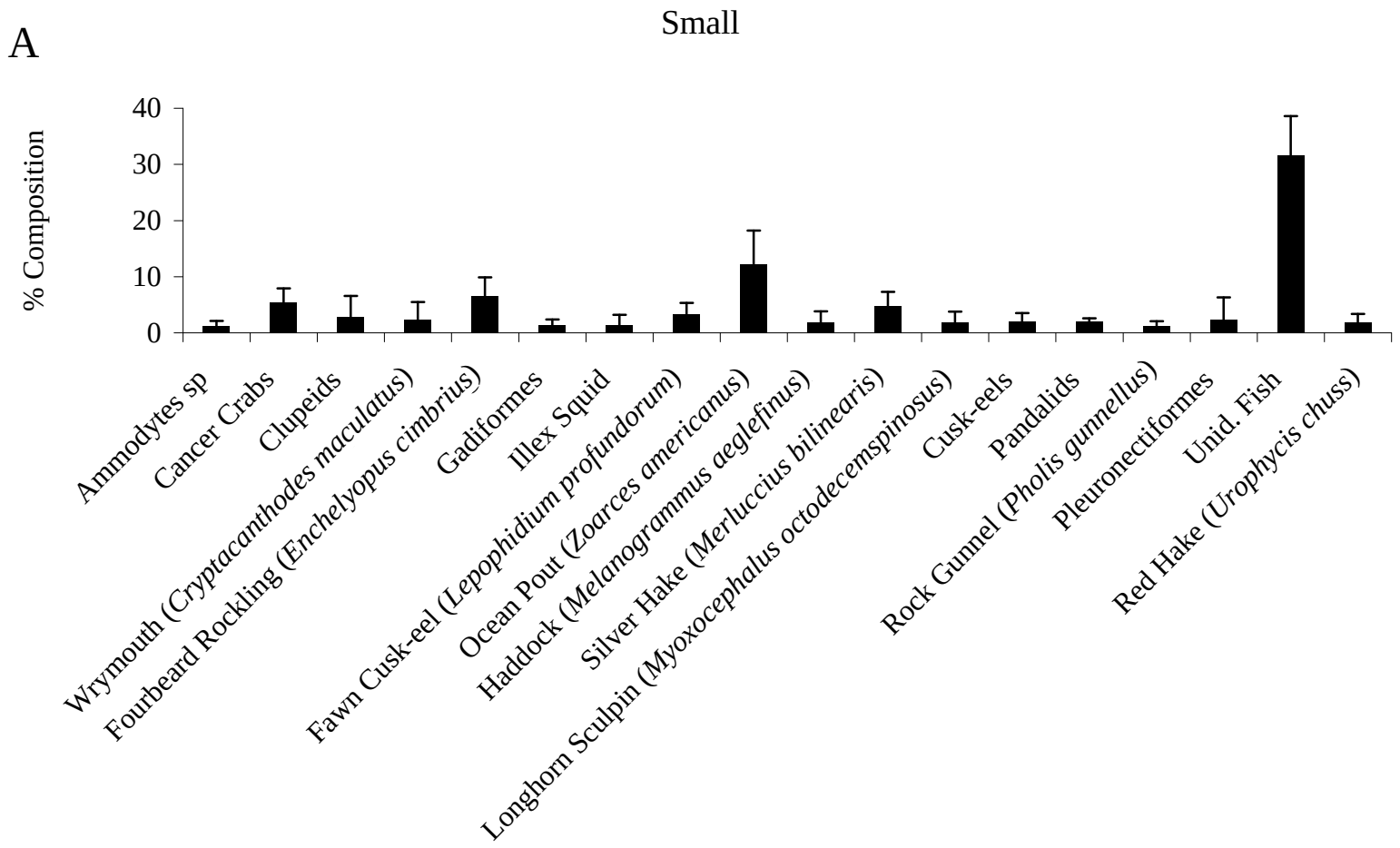

Figure 120A. Percent diet composition by weight of major prey taxa for sea raven (*Hemitripterus americanus*) in the small size class (n = 2,302). Unid. Fish = unidentified fish.

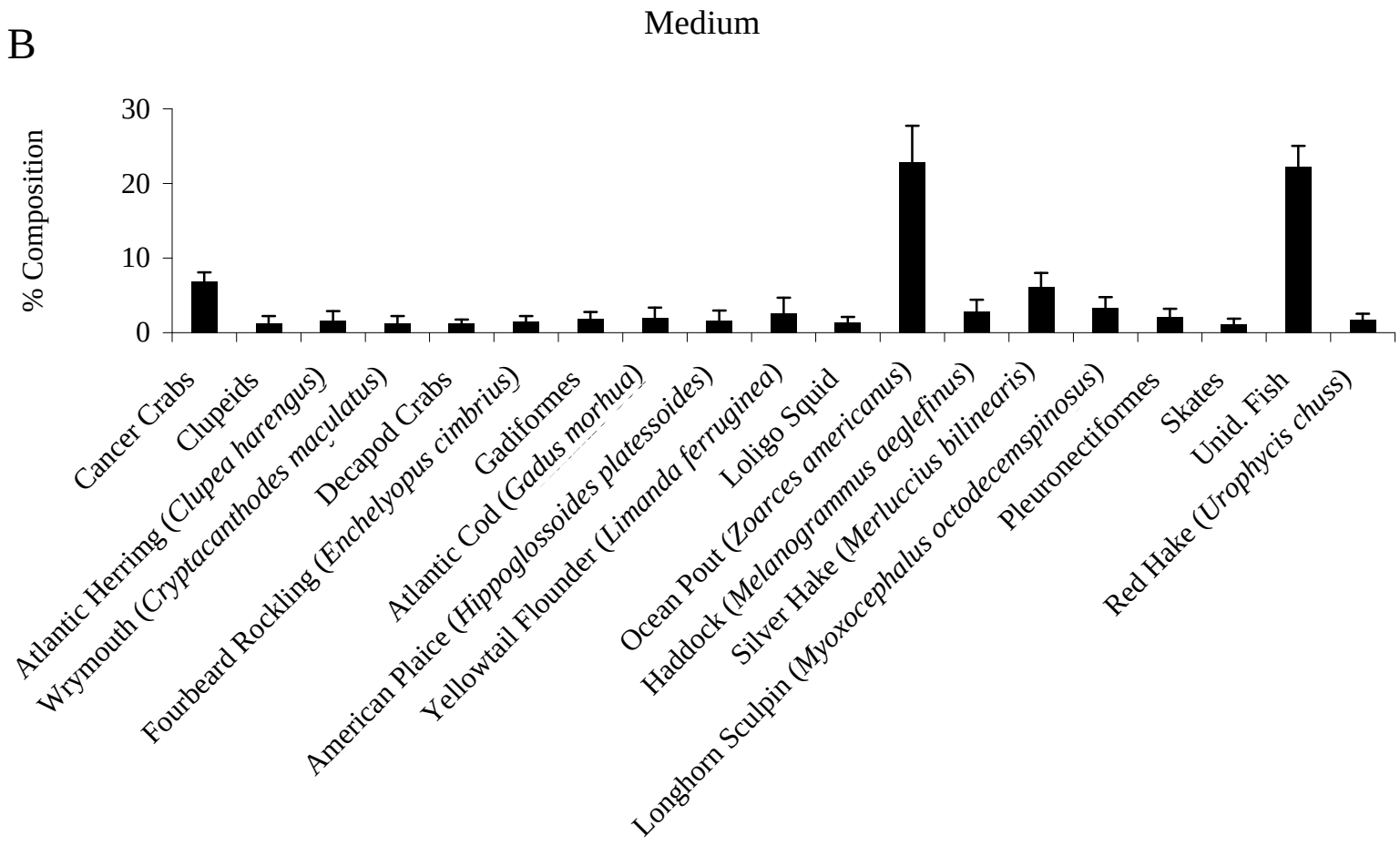

Figure 120B. Percent diet composition by weight of major prey taxa for sea raven (*Hemitripterus americanus*) in the medium size class (n = 4,942). Unid. Fish = unidentified fish.

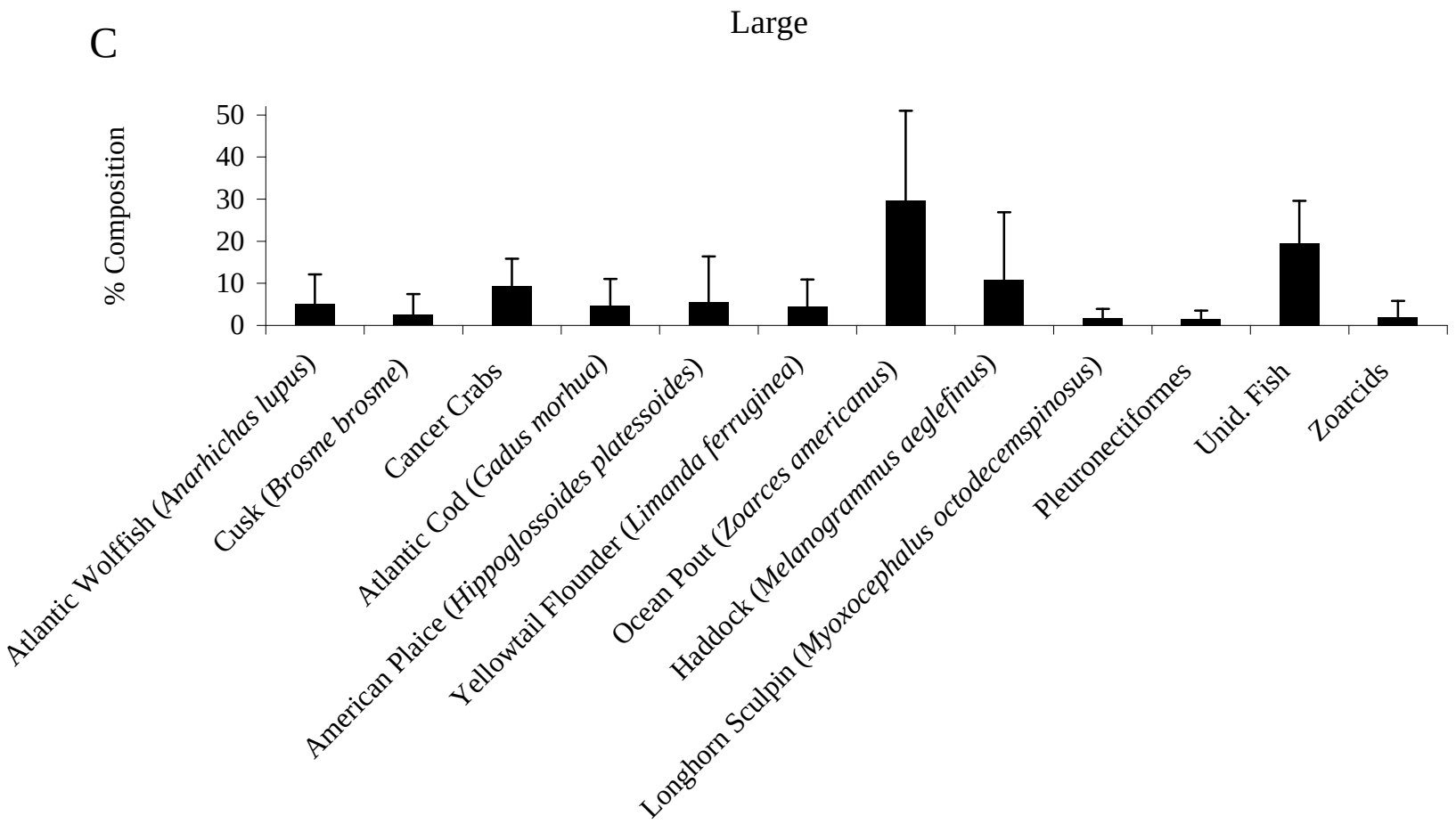

Figure 120C. Percent diet composition by weight of major prey taxa for sea raven (*Hemitripterus americanus*) in the large size class (n = 228). Unid. Fish = unidentified fish.

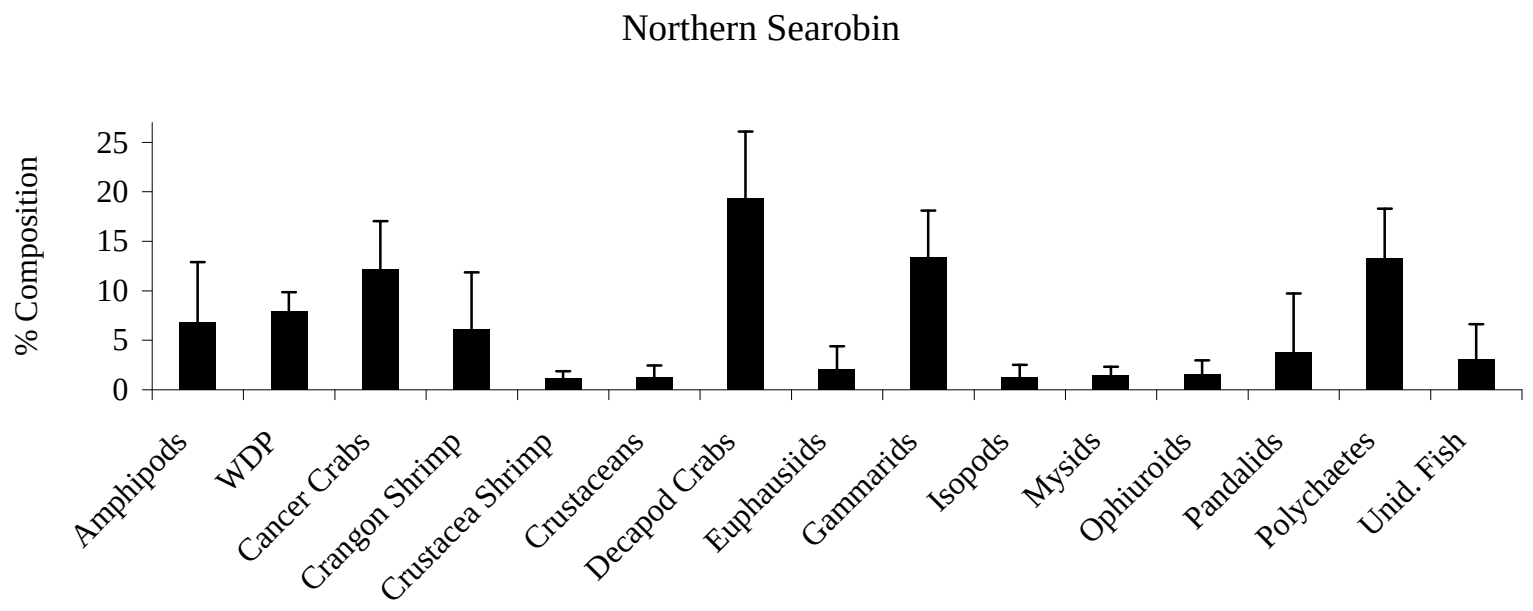

Figure 121. Percent diet composition by weight of major prey taxa for northern searobin (*Prionotus carolinus*; n = 727). WDP = well-digested prey; Unid. Fish = unidentified fish.

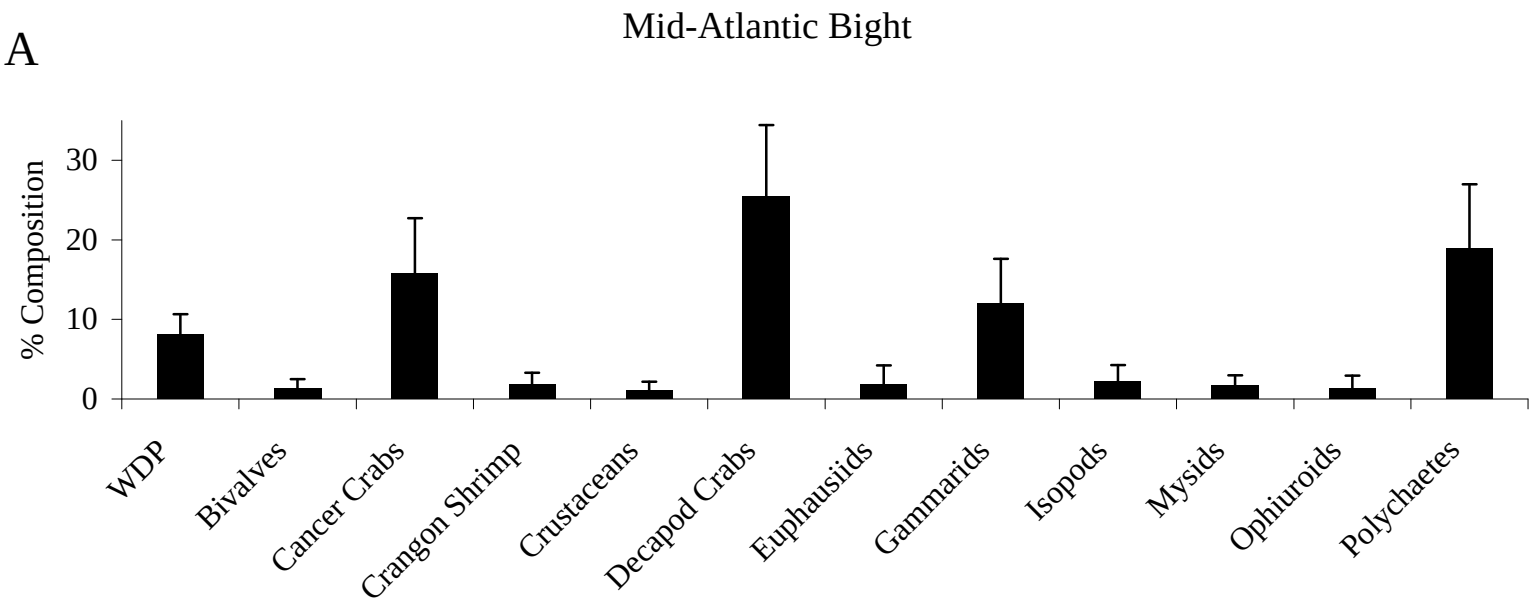

Figure 122A. Percent diet composition by weight of major prey taxa for northern searobin (*Prionotus carolinus*) collected in the Mid-Atlantic Bight (n = 481). WDP = well-digested prey.

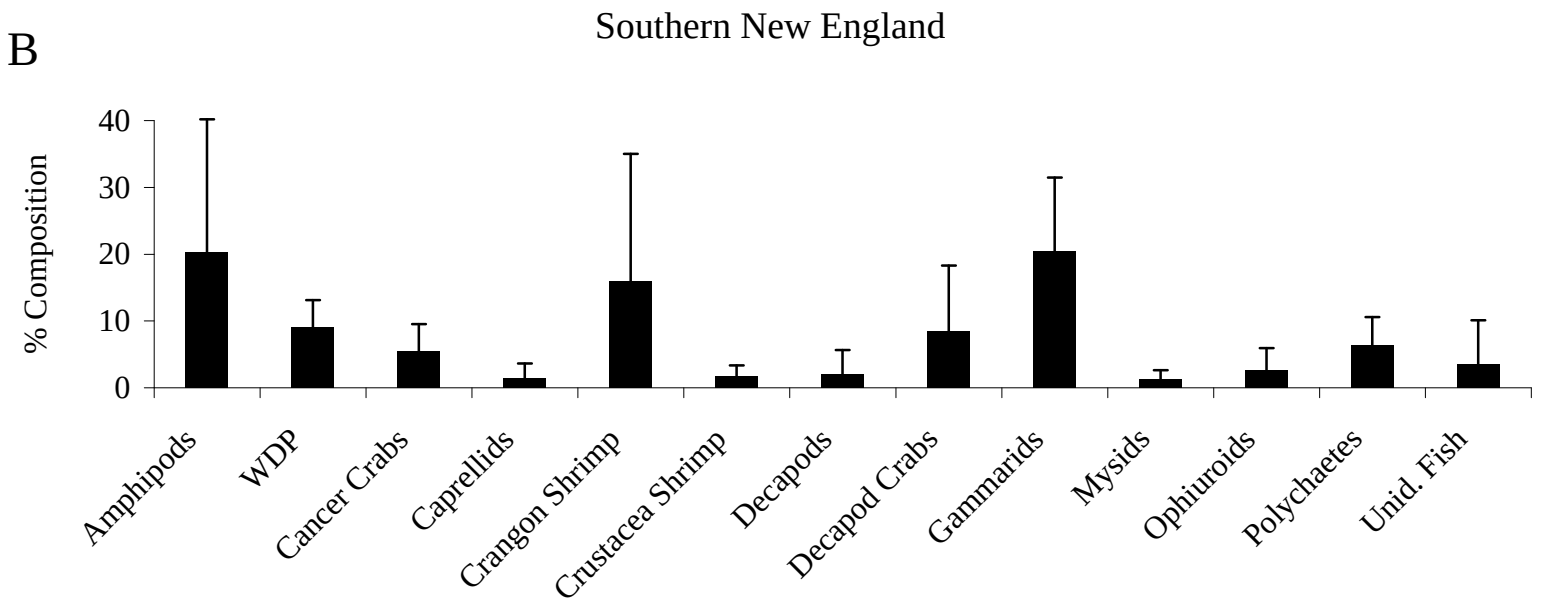

Figure 122B. Percent diet composition by weight of major prey taxa for northern searobin (*Prionotus carolinus*) collected in Southern New England (n = 210). WDP = well-digested prey; Unid. Fish = unidentified fish.

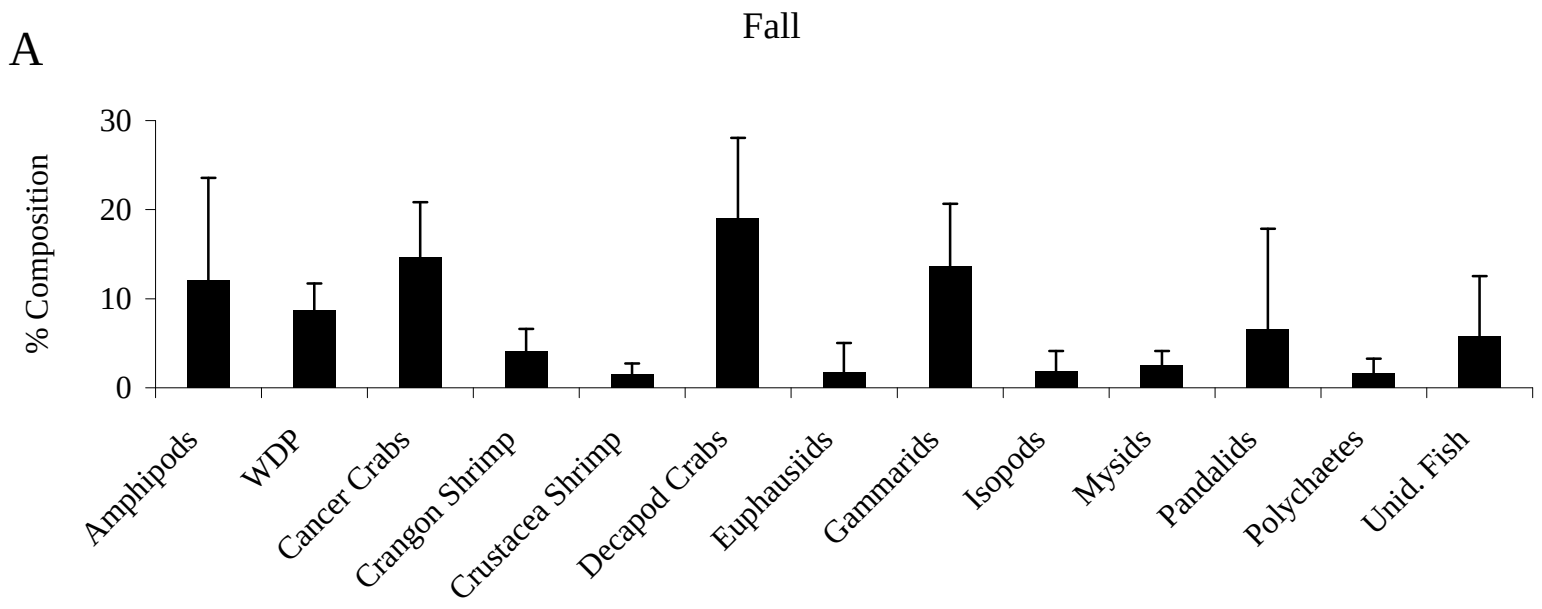

Figure 123A. Percent diet composition by weight of major prey taxa for northern searobin (*Prionotus carolinus*) collected in the fall (n = 301). WDP = well-digested prey; Unid. Fish = unidentified fish.

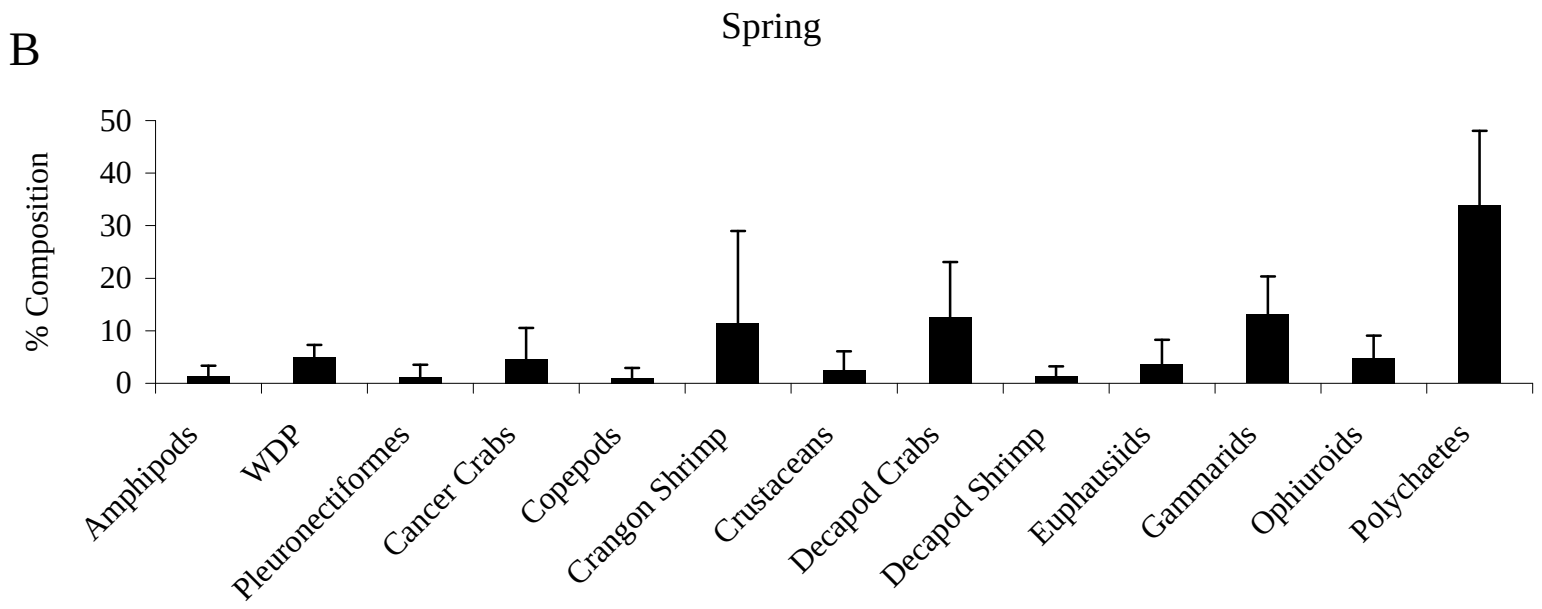

Figure 123B. Percent diet composition by weight of major prey taxa for northern searobin (*Prionotus carolinus*) collected in the spring (n = 217). WDP = well-digested prey.

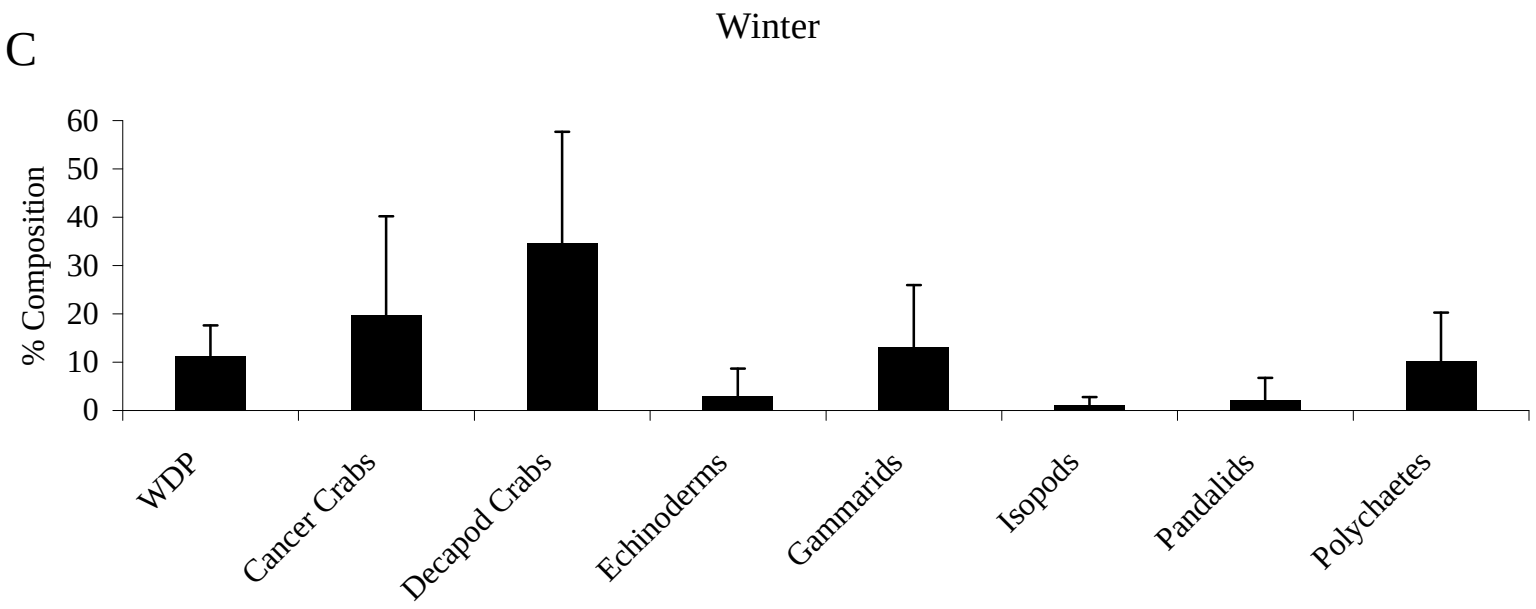

Figure 123C. Percent diet composition by weight of major prey taxa for northern searobin (*Prionotus carolinus*) collected in the winter (n = 205). WDP = well-digested prey.

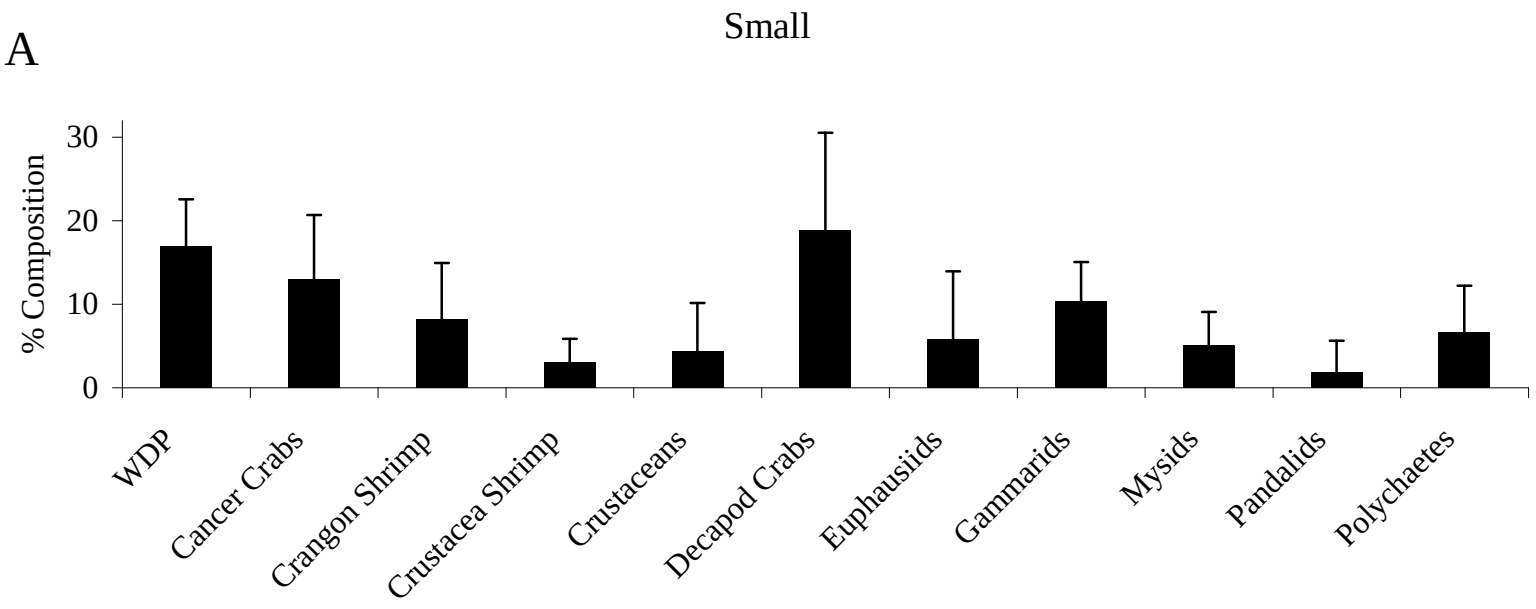

Figure 124A. Percent diet composition by weight of major prey taxa for northern searobin (*Prionotus carolinus*) in the small size class (n = 335). WDP = well-digested prey.

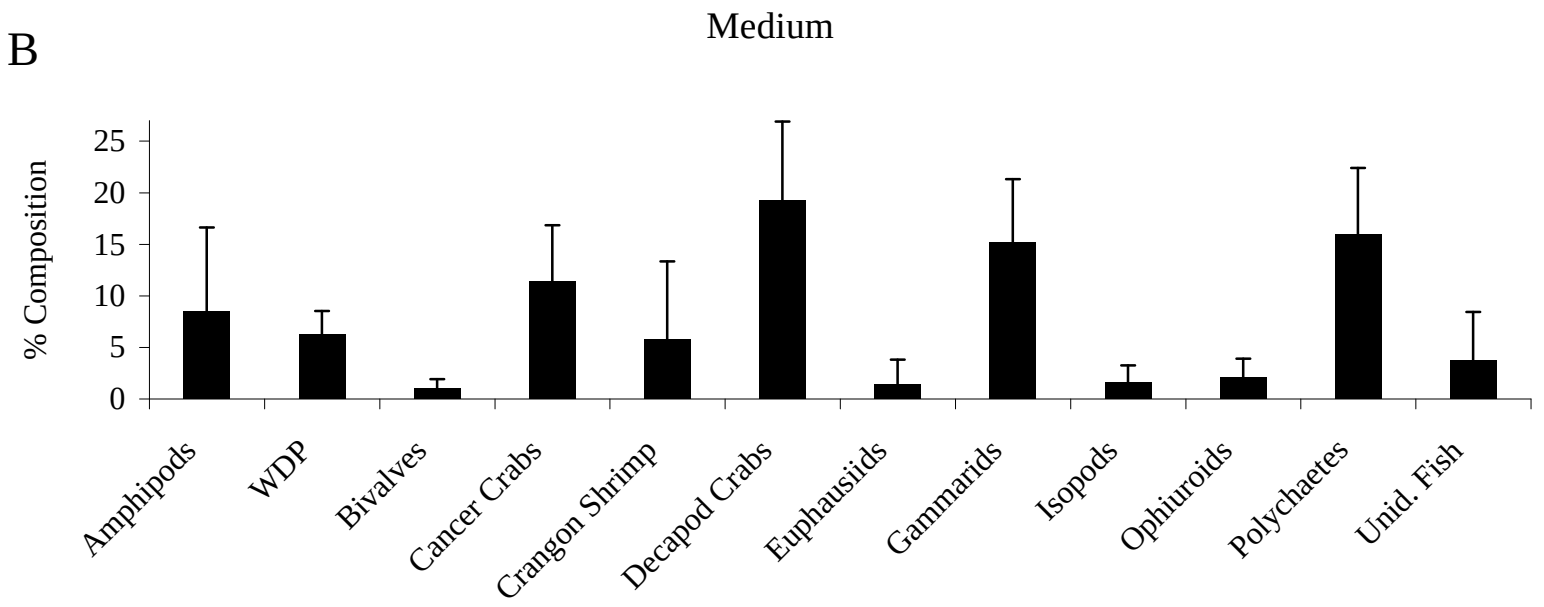

Figure 124B. Percent diet composition by weight of major prey taxa for northern searobin (*Prionotus carolinus*) in the medium size class (n = 377). WDP = well-digested prey; Unid. Fish = unidentified fish.

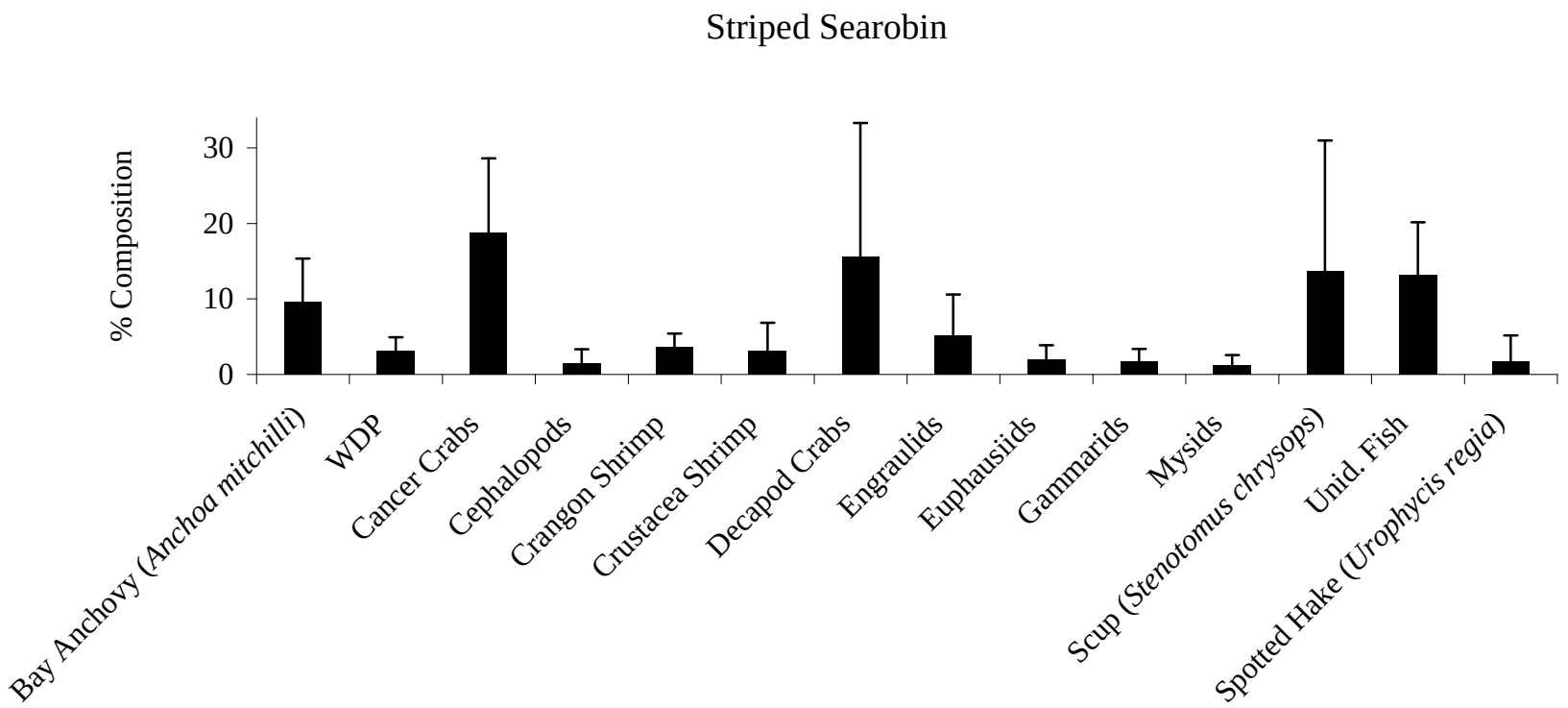

Figure 125. Percent diet composition by weight of major prey taxa for striped searobin (*Prionotus evolans*; n = 362). WDP = well-digested prey; Unid. Fish = unidentified fish.

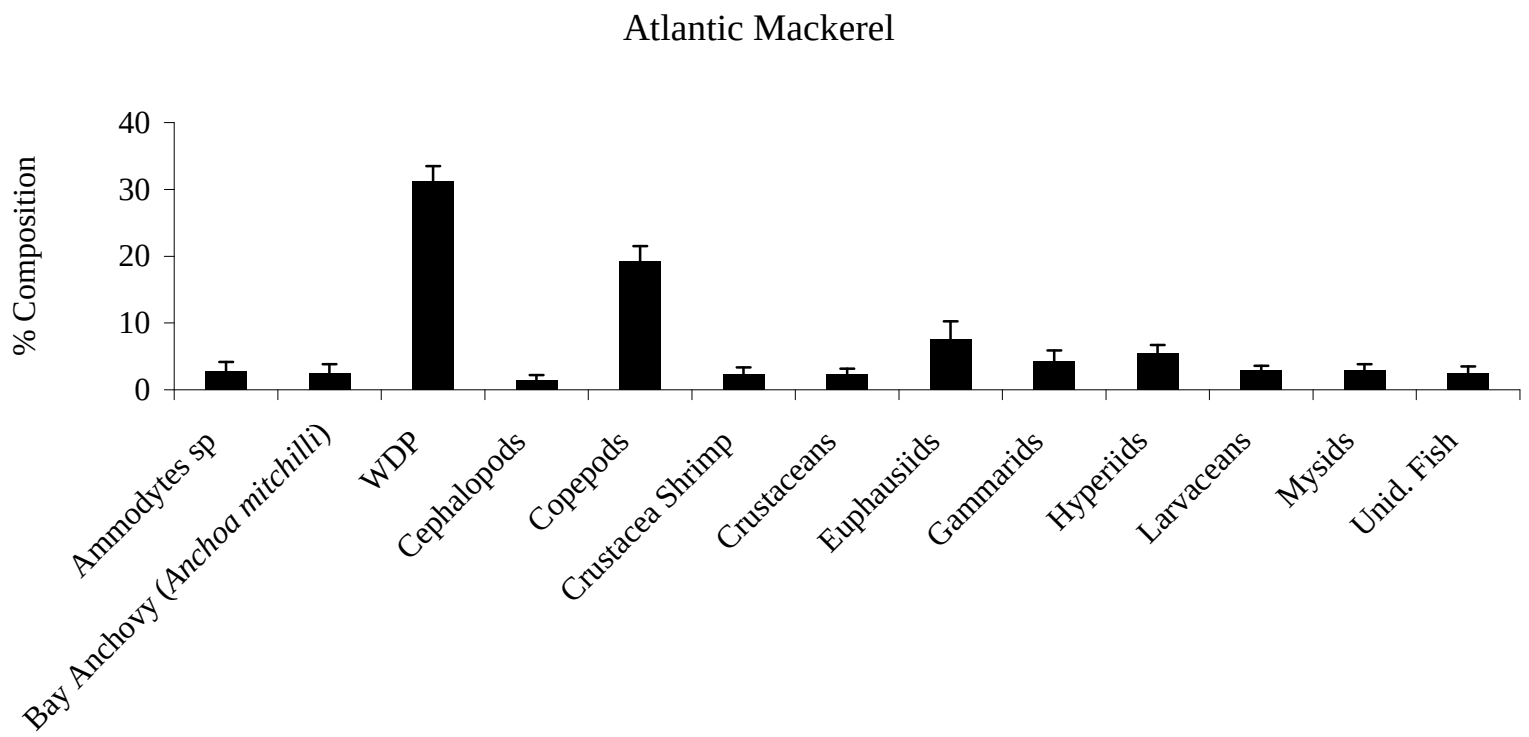

Figure 126. Percent diet composition by weight of major prey taxa for Atlantic mackerel (*Scomber scombrus*; n = 6,875). WDP = well-digested prey; Unid. Fish = unidentified fish.

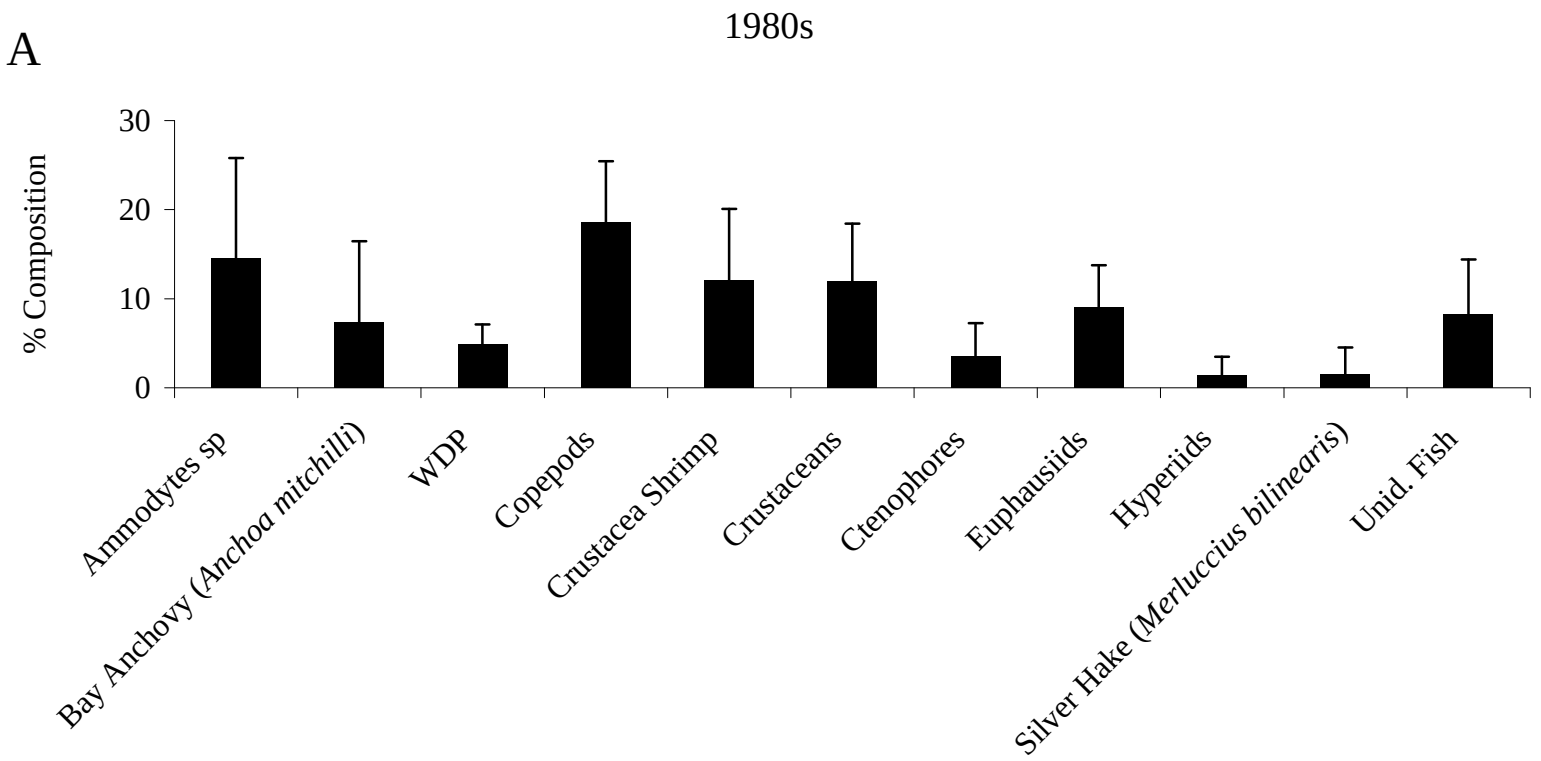

Figure 127A. Percent diet composition by weight of major prey taxa for Atlantic mackerel (*Scomber scombrus*) collected in the 1980s (n = 353). WDP = well-digested prey; Unid. Fish = unidentified fish.

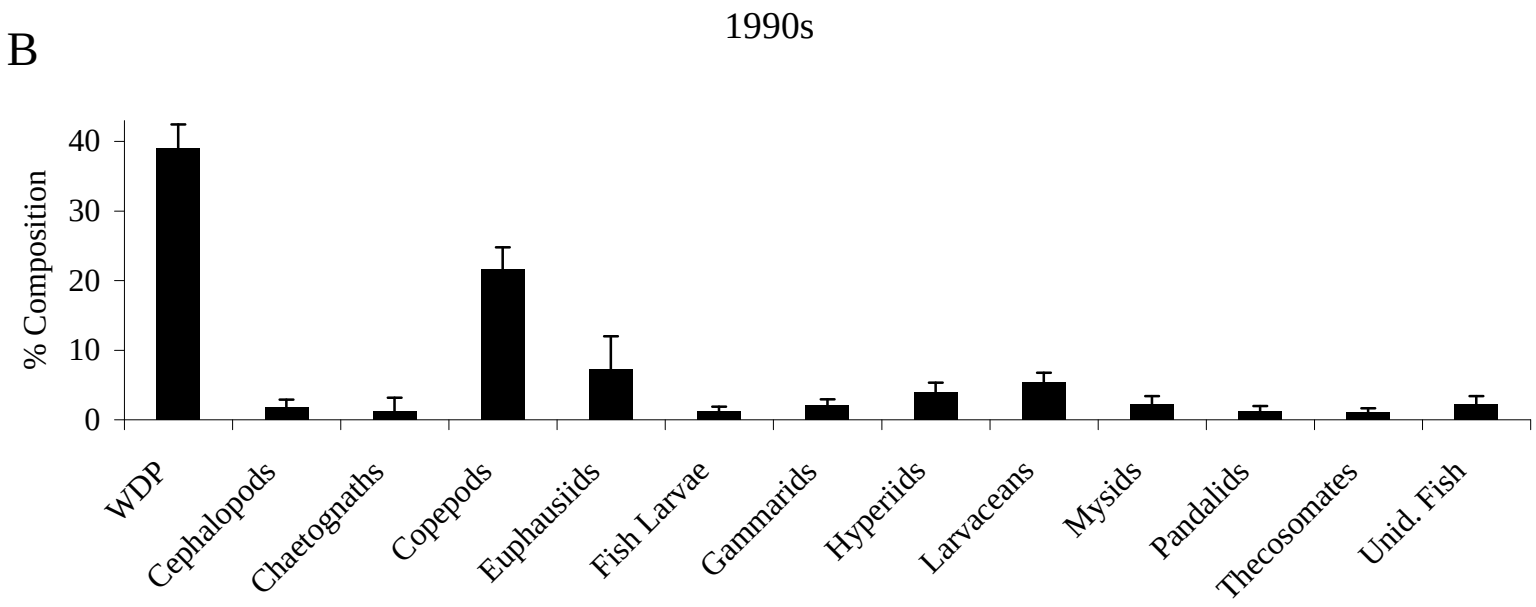

Figure 127B. Percent diet composition by weight of major prey taxa for Atlantic mackerel (*Scomber scombrus*) collected in the 1990s (n = 4,120). WDP = well-digested prey; Unid. Fish = unidentified fish.

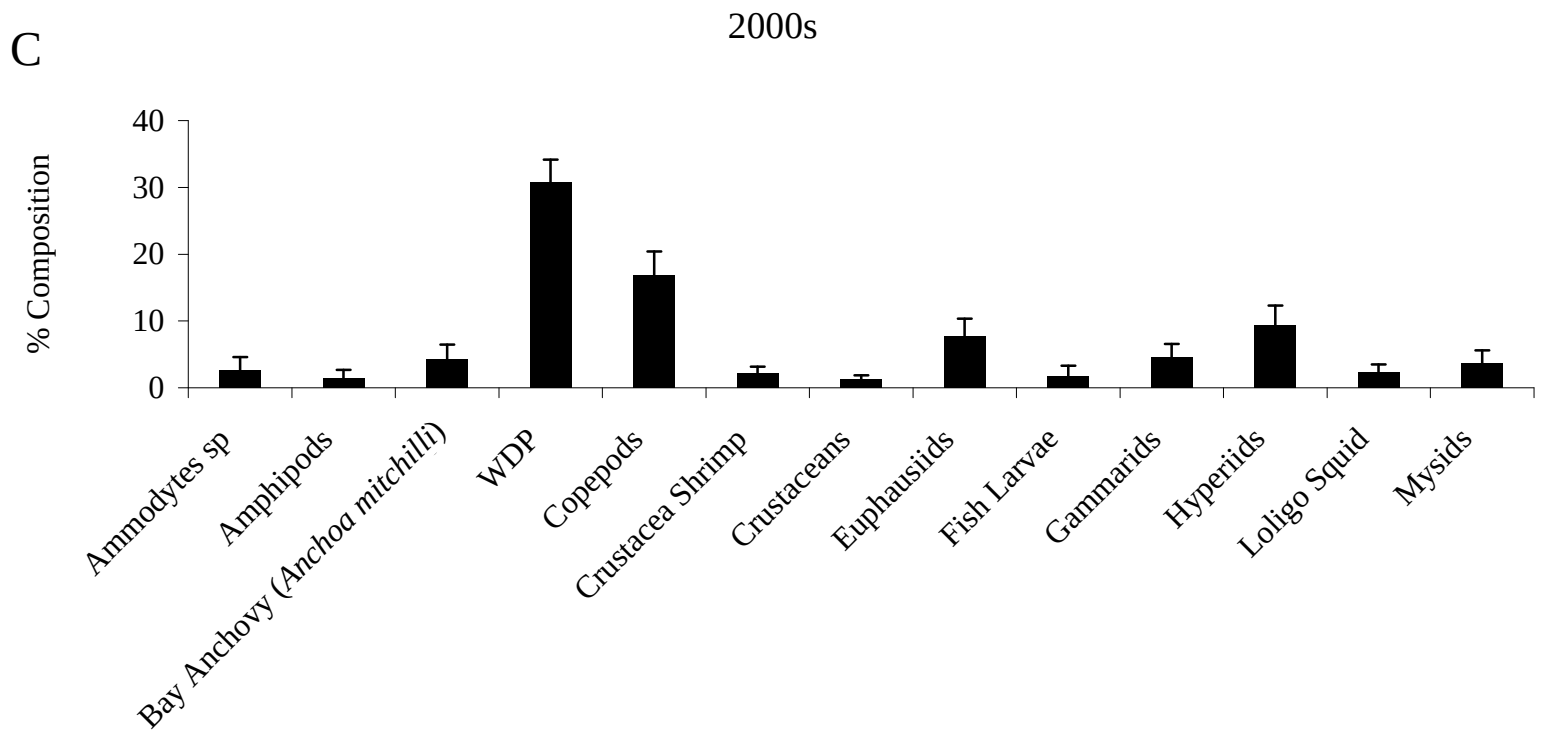

Figure 127C. Percent diet composition by weight of major prey taxa for Atlantic mackerel (*Scomber scombrus*) collected in the 2000s (n = 2,130). WDP = well-digested prey.

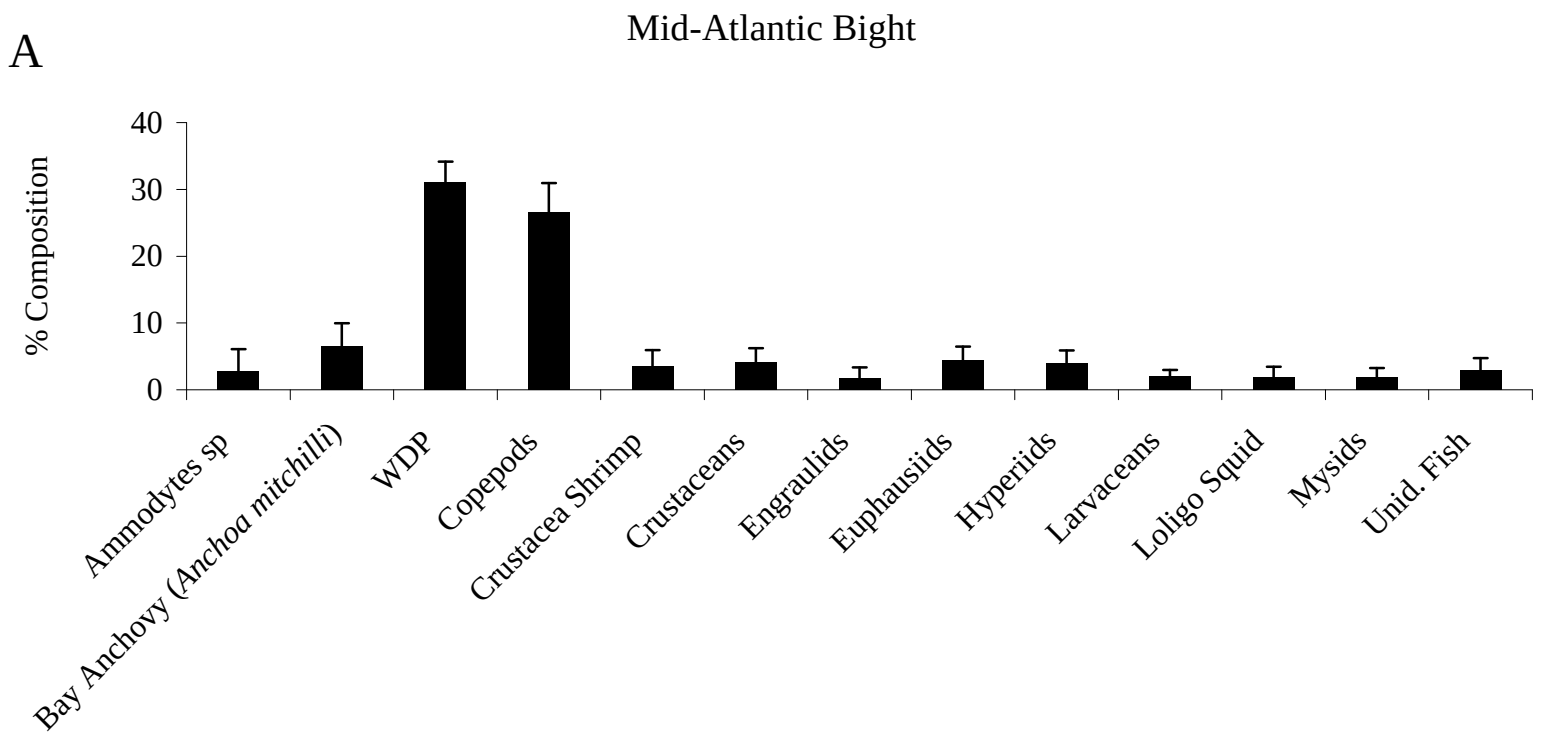

Figure 128A. Percent diet composition by weight of major prey taxa for Atlantic mackerel (*Scomber scombrus*) collected in the Mid-Atlantic Bight (n = 2,565). WDP = well-digested prey; Unid. Fish = unidentified fish.

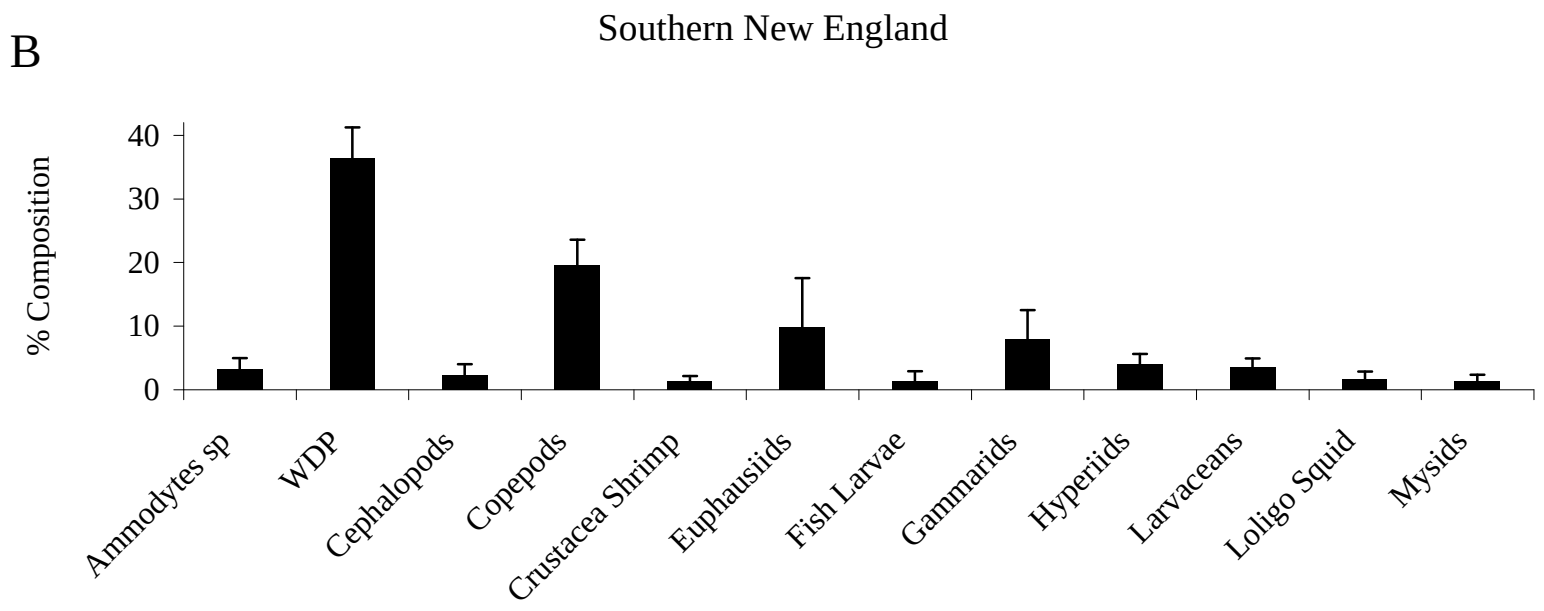

Figure 128B. Percent diet composition by weight of major prey taxa for Atlantic mackerel (*Scomber scombrus*) collected in Southern New England (n = 2,554). WDP = well-digested prey.

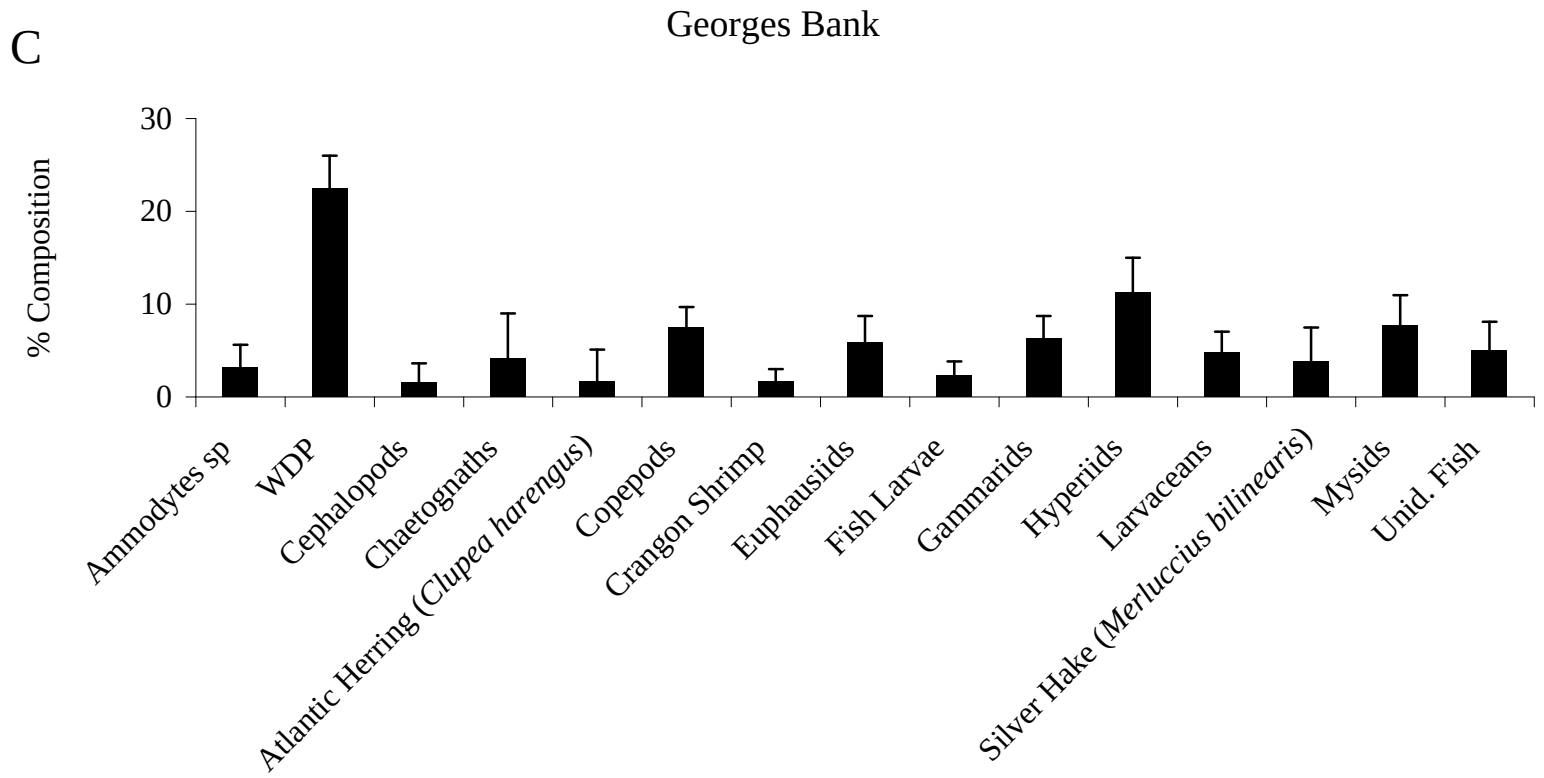

Figure 128C. Percent diet composition by weight of major prey taxa for Atlantic mackerel (*Scomber scombrus*) collected on Georges Bank (n = 1,144). WDP = well-digested prey; Unid. Fish = unidentified fish.

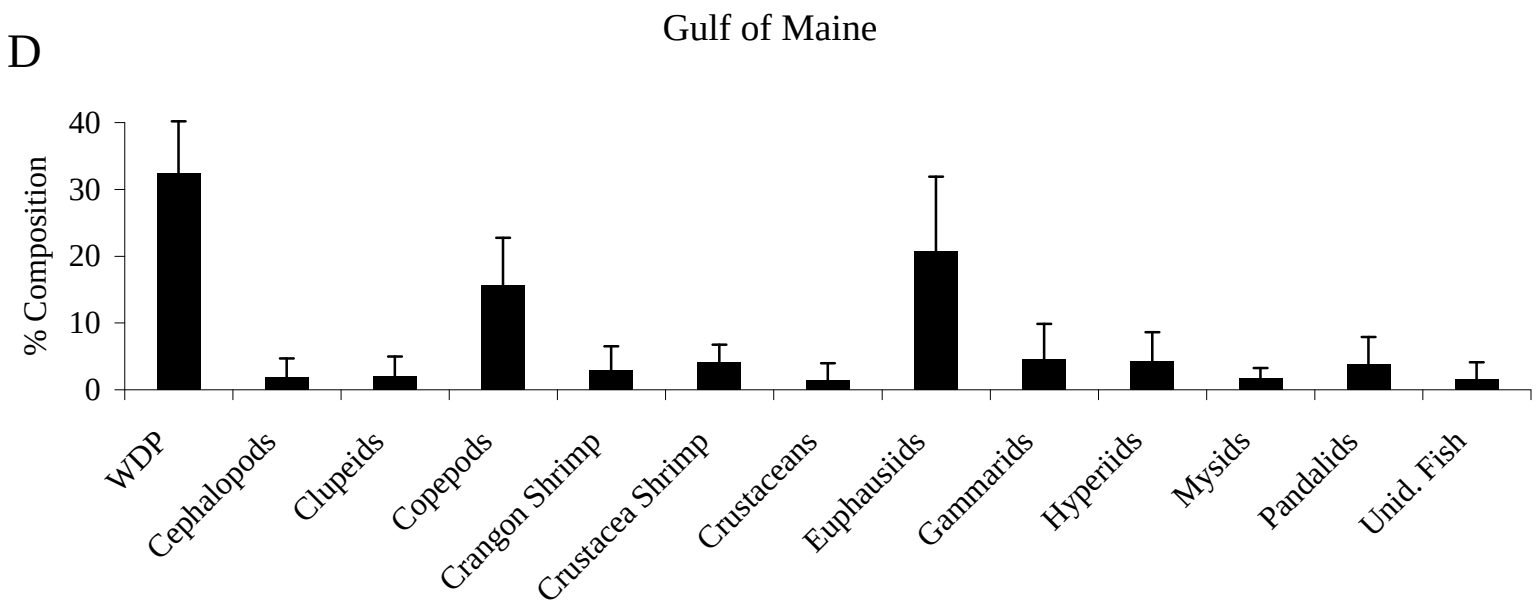

Figure 128D. Percent diet composition by weight of major prey taxa for Atlantic mackerel (*Scomber scombrus*) collected in the Gulf of Maine (n = 499). WDP = well-digested prey; Unid. Fish = unidentified fish.

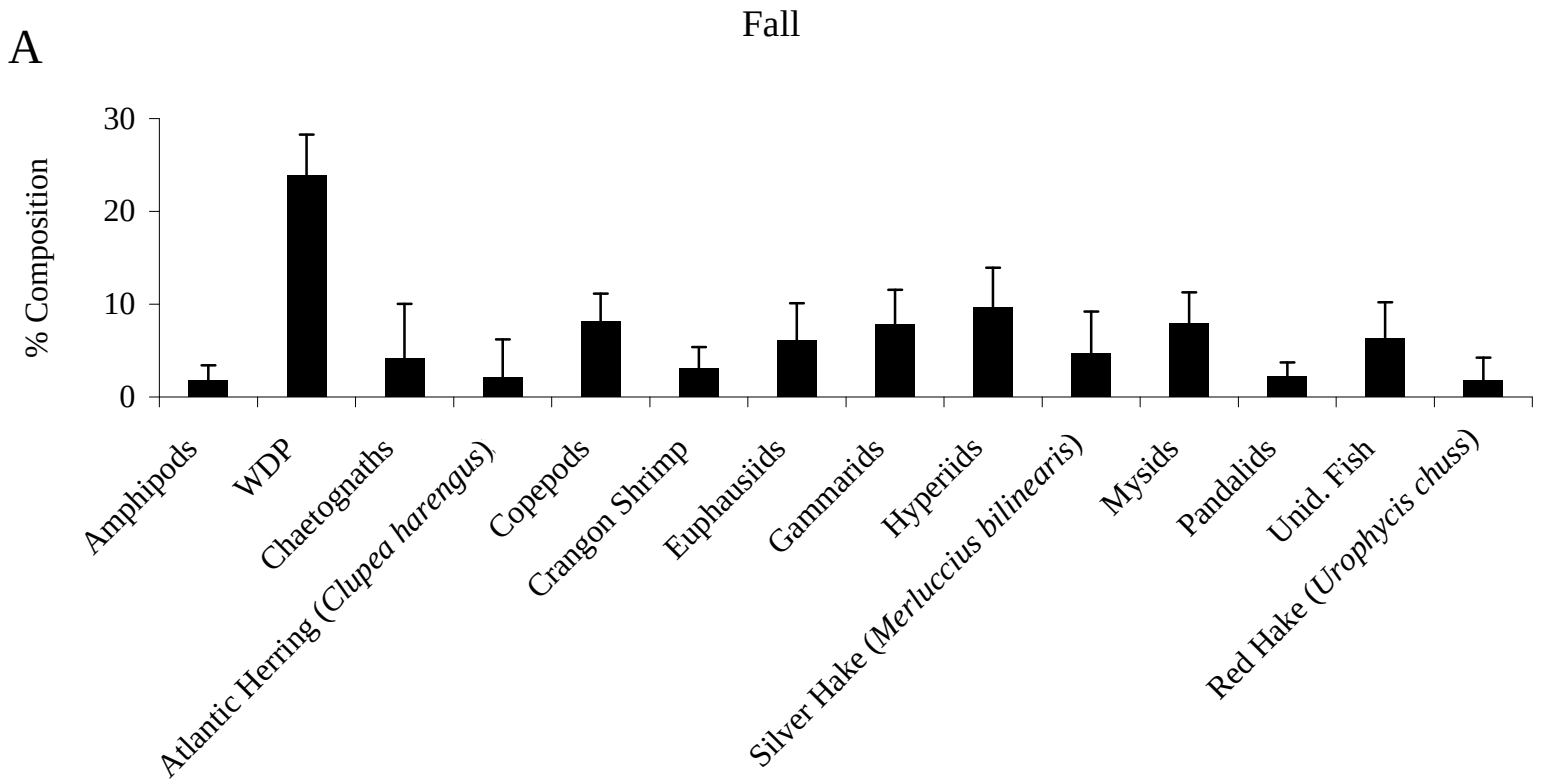

Figure 129A. Percent diet composition by weight of major prey taxa for Atlantic mackerel (*Scomber scombrus*) collected in the fall (n = 960). WDP = well-digested prey; Unid. Fish = unidentified fish.

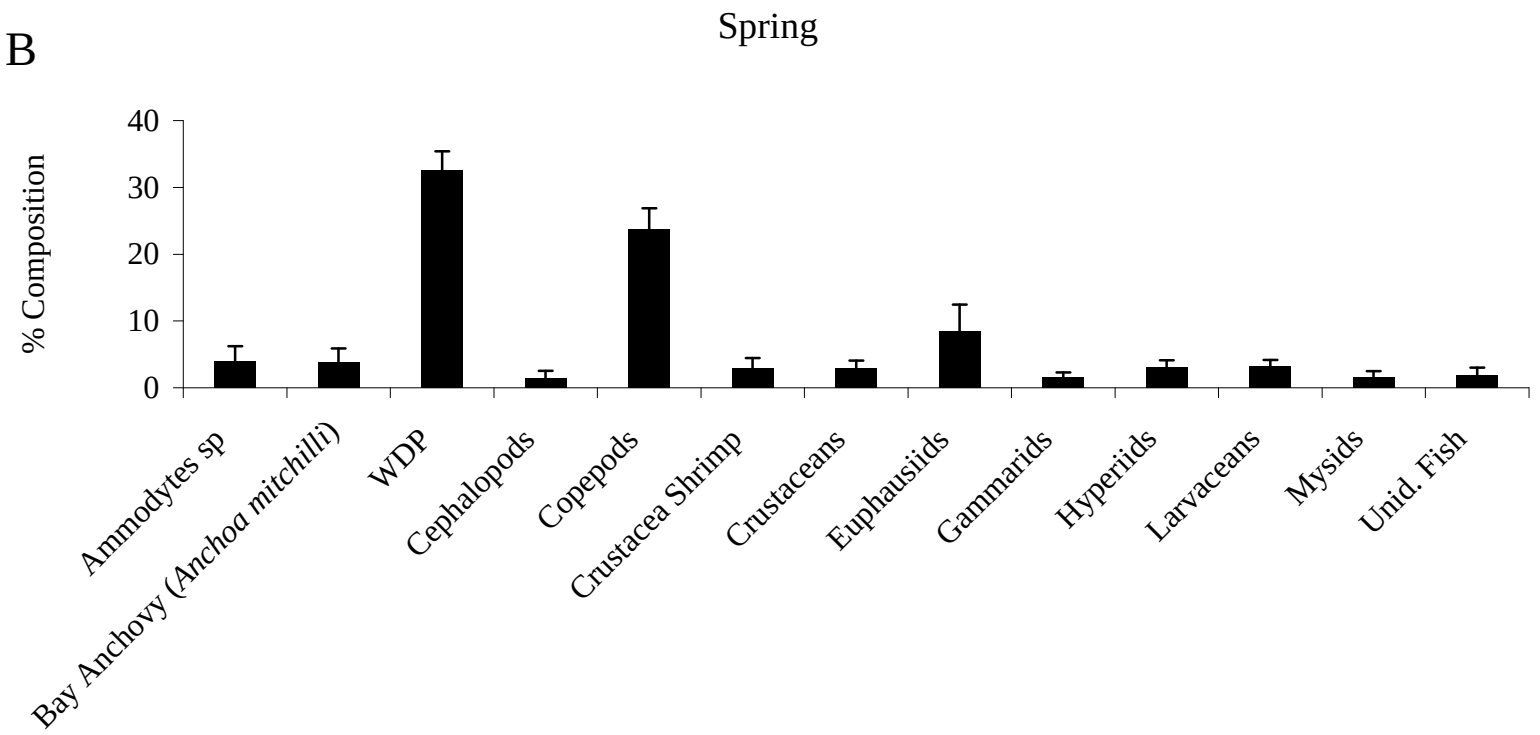

Figure 129B. Percent diet composition by weight of major prey taxa for Atlantic mackerel (*Scomber scombrus*) collected in the spring (n = 4,057). WDP = well-digested prey; Unid. Fish = unidentified fish.

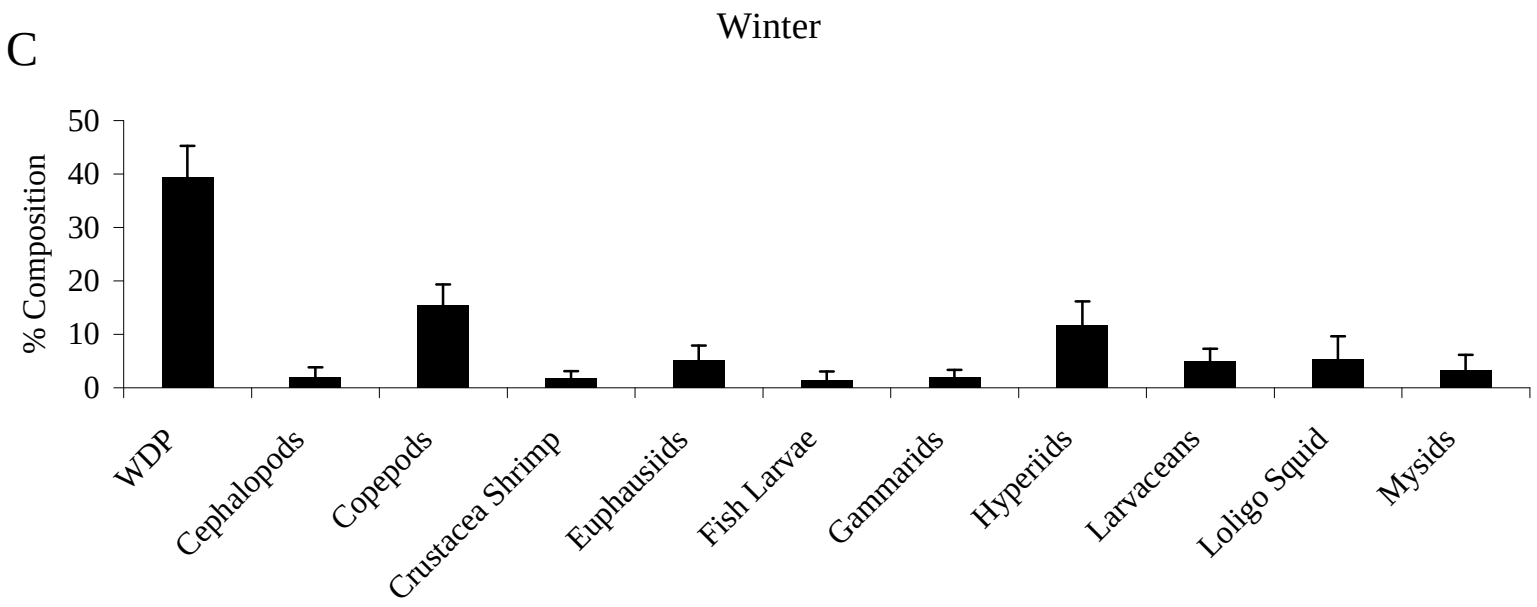

Figure 129C. Percent diet composition by weight of major prey taxa for Atlantic mackerel (*Scomber scombrus*) collected in the winter (n = 1,784). WDP = well-digested prey.

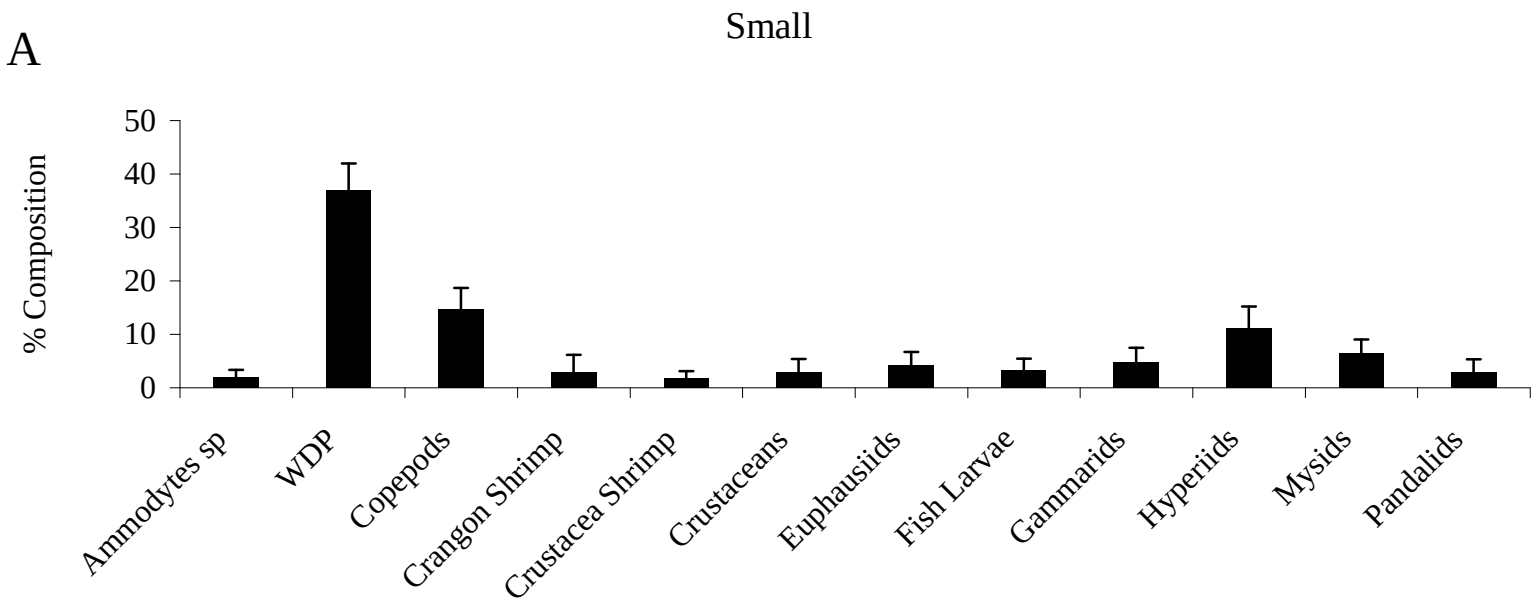

Figure 130A. Percent diet composition by weight of major prey taxa for Atlantic mackerel (*Scomber scombrus*) in the small size class (n = 1,158). WDP = well-digested prey.

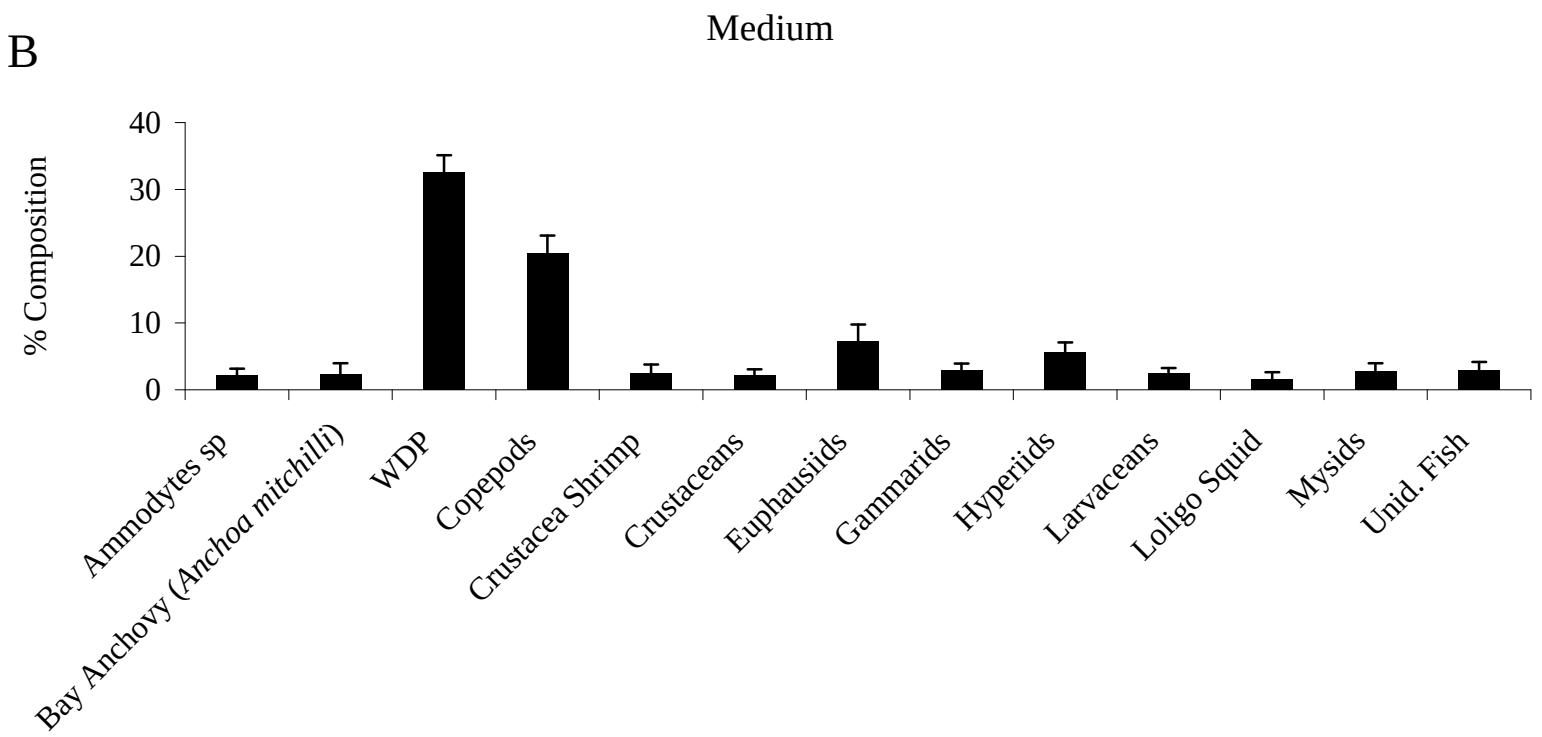

Figure 130B. Percent diet composition by weight of major prey taxa for Atlantic mackerel (*Scomber scombrus*) in the medium size class (n = 4,886). WDP = well-digested prey; Unid. Fish = unidentified fish.

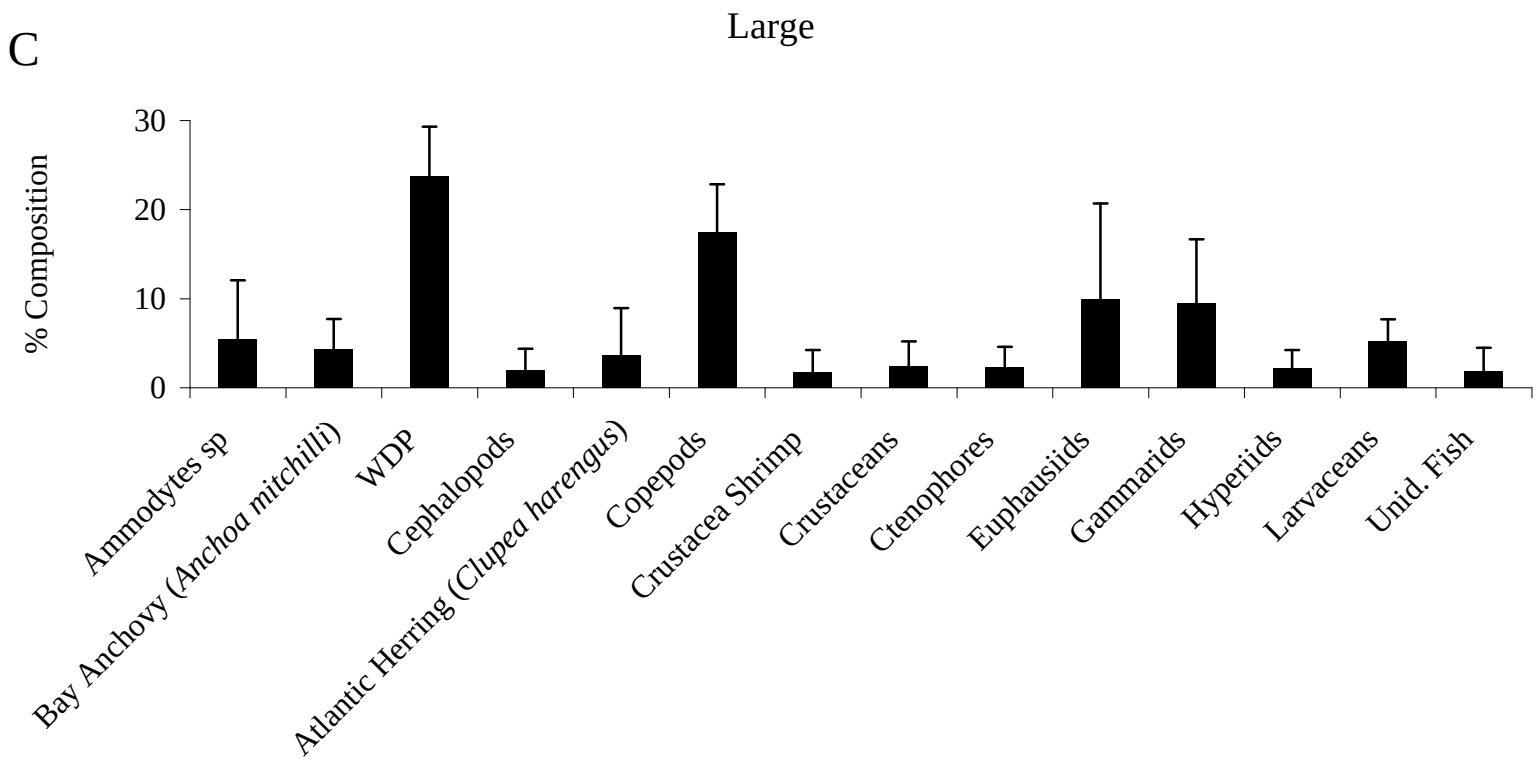

Figure 130C. Percent diet composition by weight of major prey taxa for Atlantic mackerel (*Scomber scombrus*) in the large size class (n = 826). WDP = well-digested prey; Unid. Fish = unidentified fish.

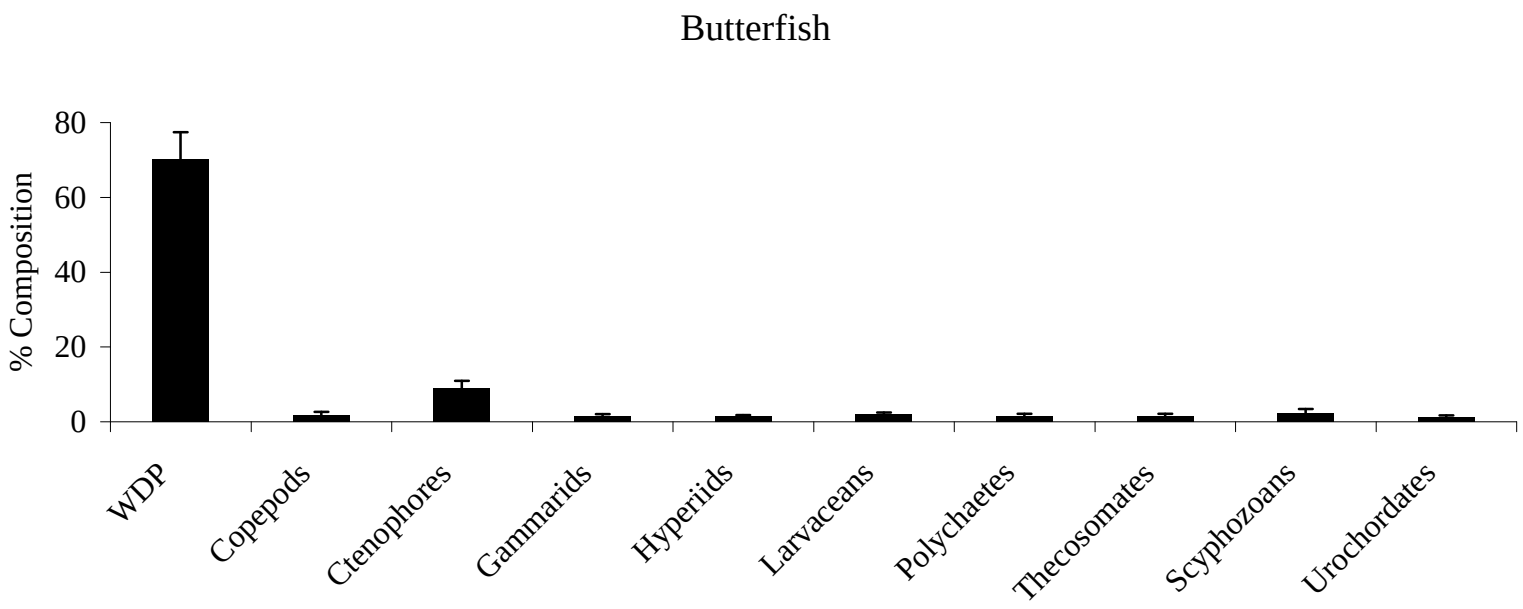

Figure 131. Percent diet composition by weight of major prey taxa for butterfish (*Peprilus triacanthus*; n = 6,098). WDP = well-digested prey.

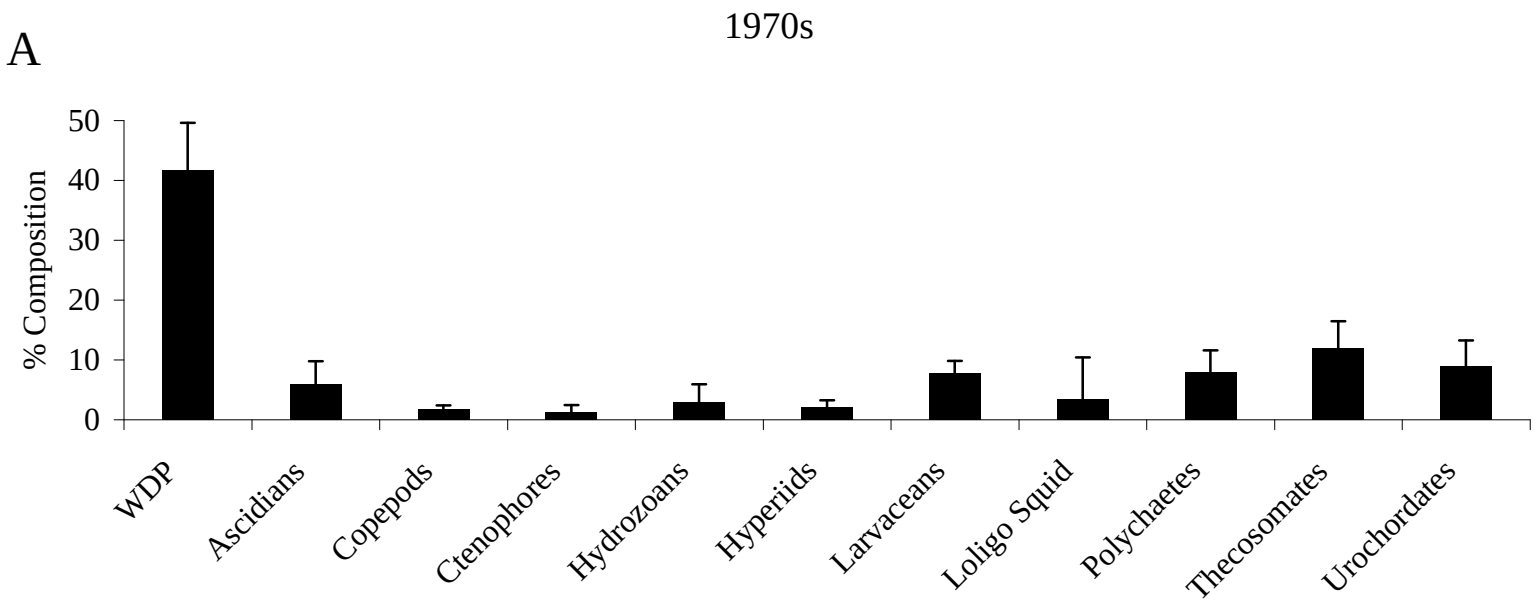

Figure 132A. Percent diet composition by weight of major prey taxa for butterfish (*Peprilus triacanthus*) collected in the 1970s (n = 1,750). WDP = well-digested prey.

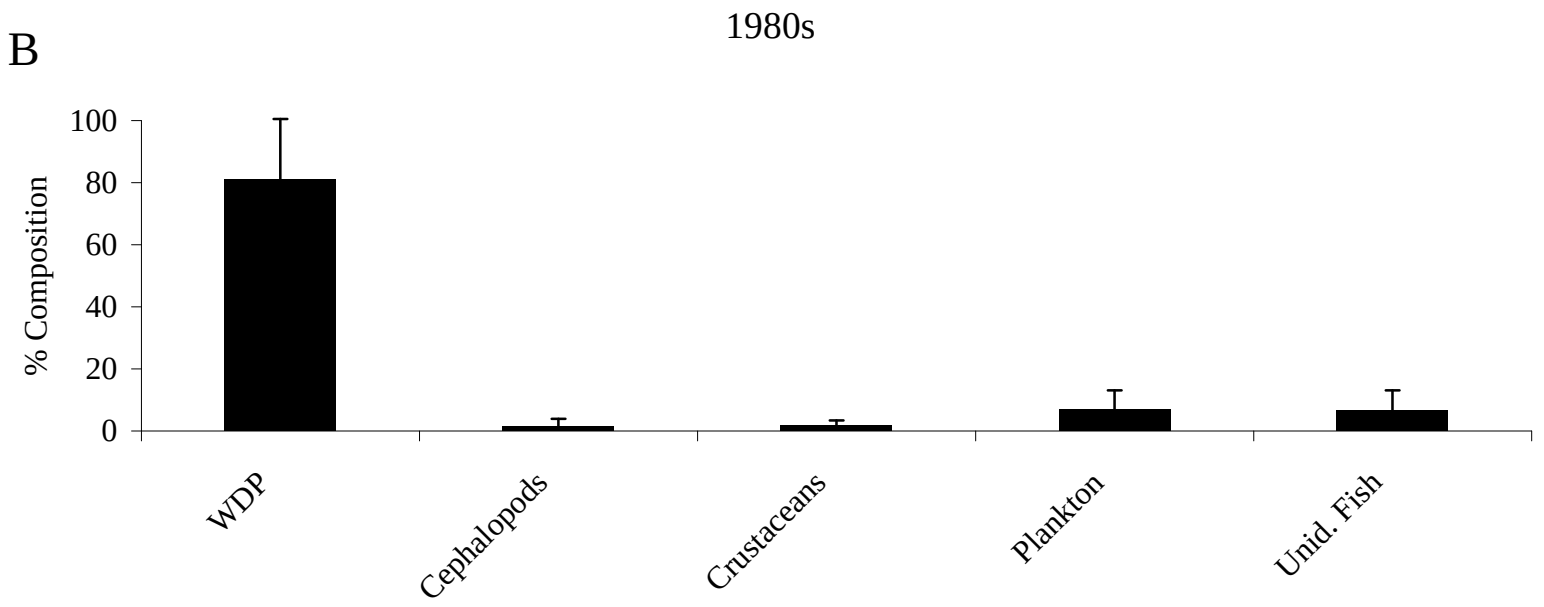

Figure 132B. Percent diet composition by weight of major prey taxa for butterfish (*Peprilus triacanthus*) collected in the 1980s (n = 287). WDP = well-digested prey; Unid. Fish = unidentified fish.

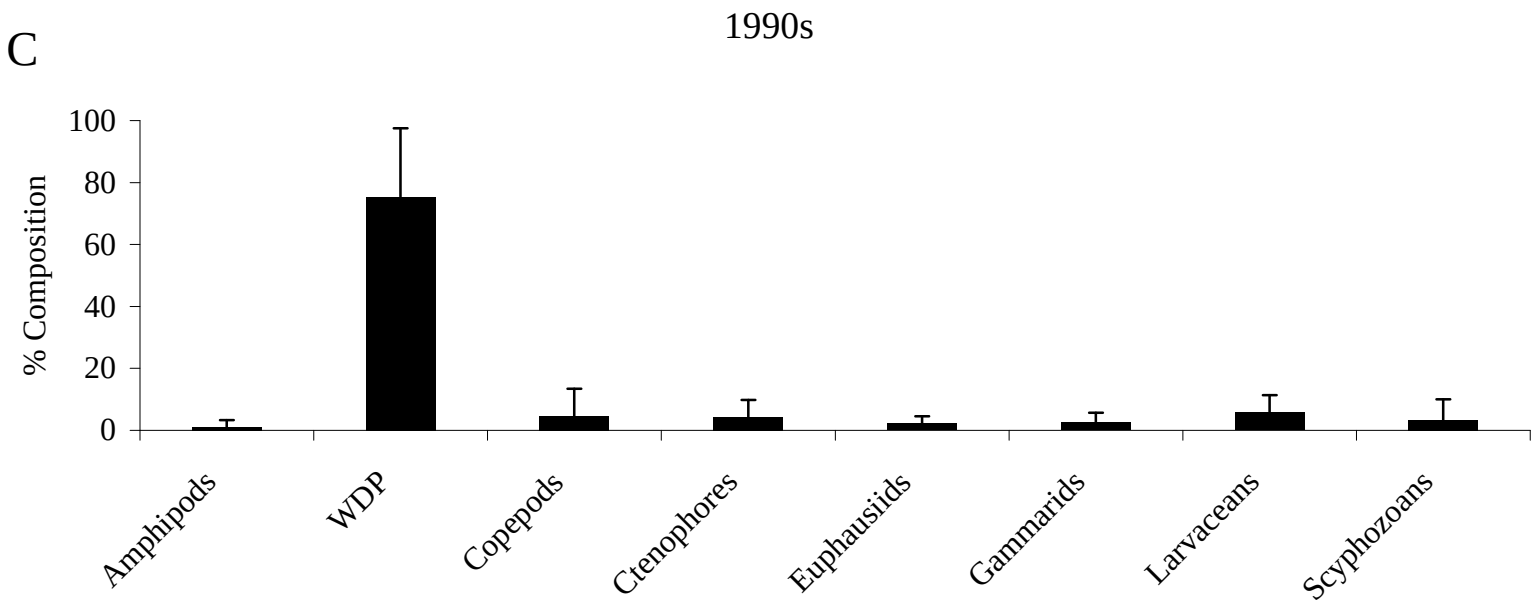

Figure 132C. Percent diet composition by weight of major prey taxa for butterfish (*Peprilus triacanthus*) collected collected in the 1990s (n = 367). WDP = well-digested prey.

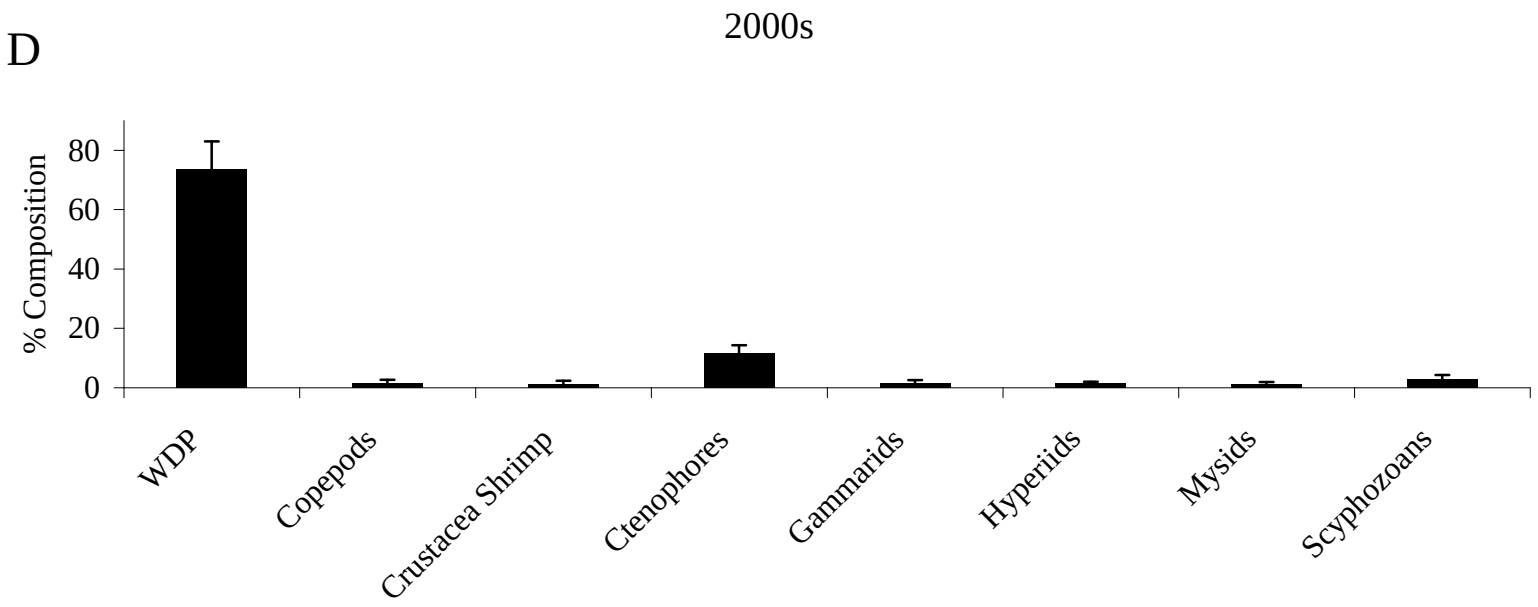

Figure 132D. Percent diet composition by weight of major prey taxa for butterfish (*Peprilus triacanthus*) collected in the 2000s (n = 3,694). WDP = well-digested prey.

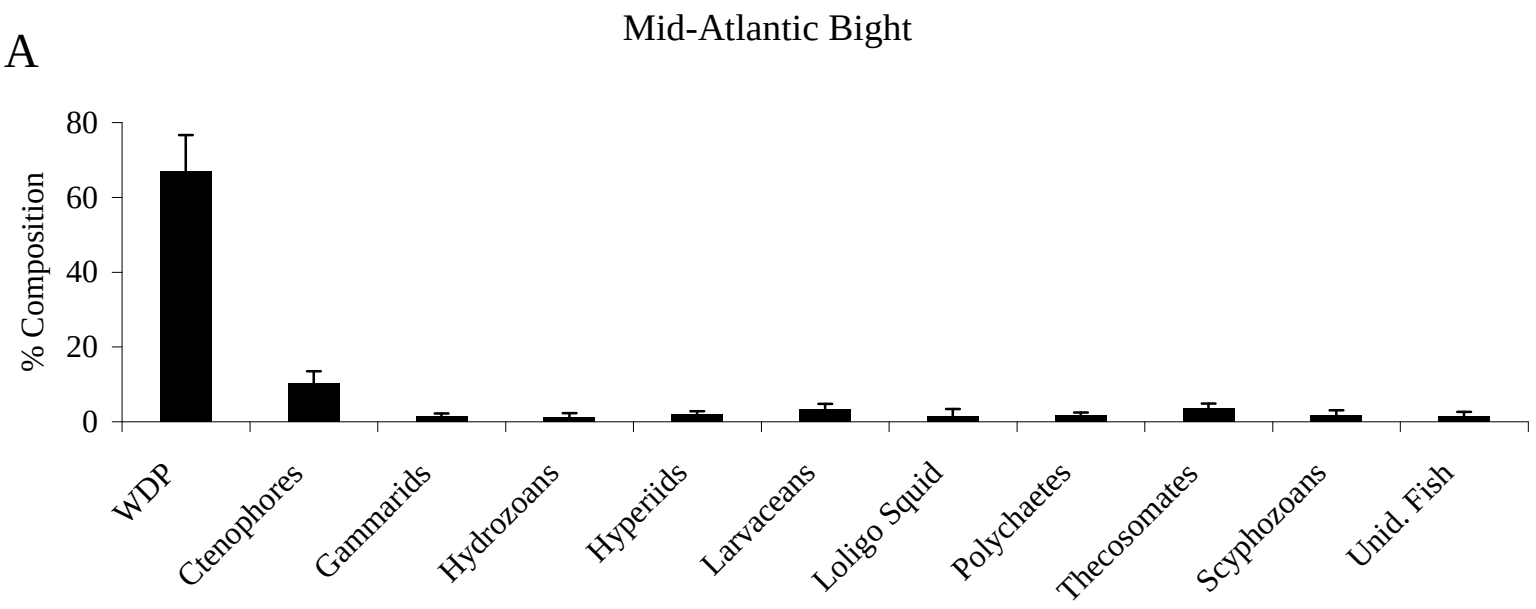

Figure 133A. Percent diet composition by weight of major prey taxa for butterfish (*Peprilus triacanthus*) collected in the Mid-Atlantic Bight (n = 2,988). WDP = well-digested prey; Unid. Fish = unidentified fish.

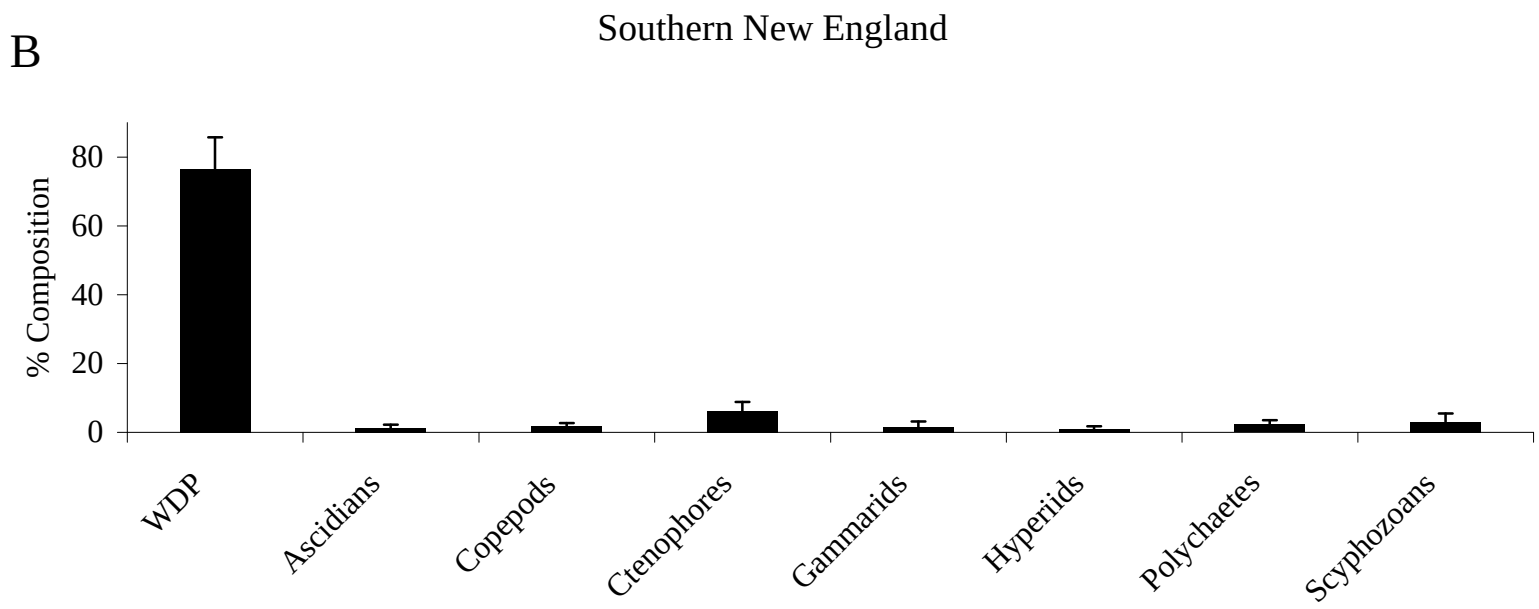

Figure 133B. Percent diet composition by weight of major prey taxa for butterfish (*Peprilus triacanthus*) collected in Southern New England (n = 2,174). WDP = well-digested prey.

C

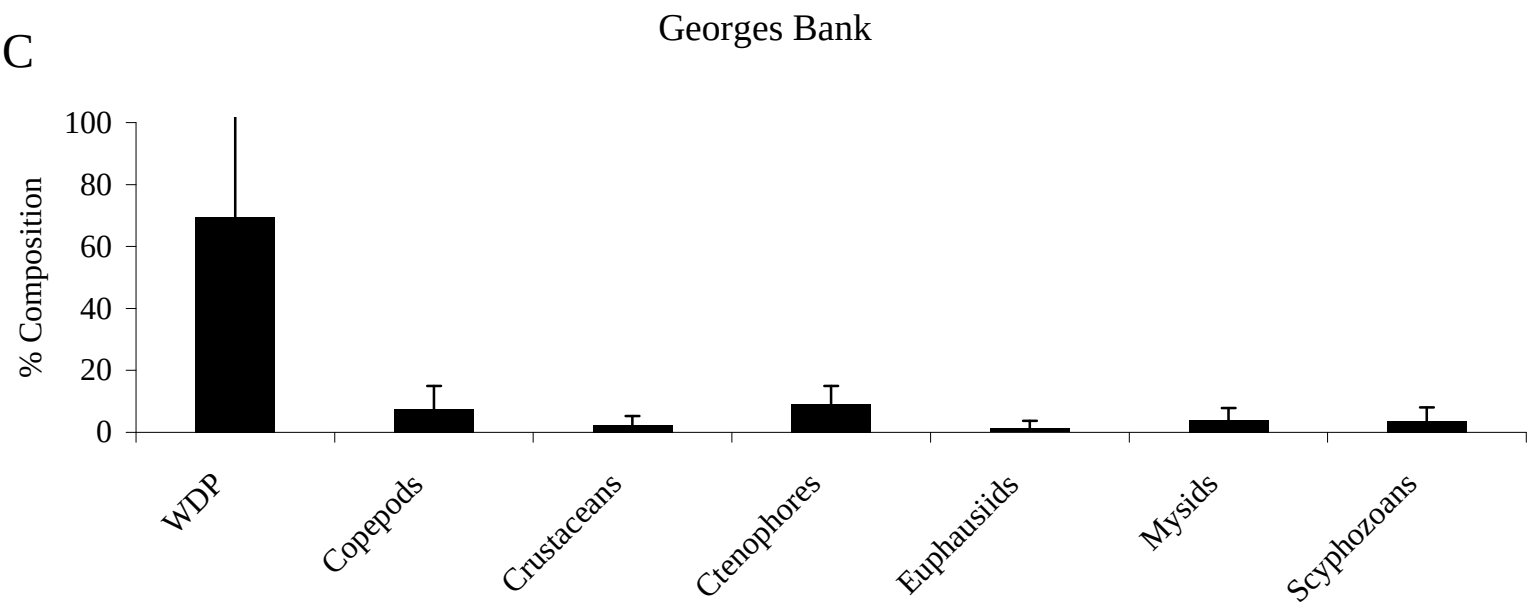

Figure 133C. Percent diet composition by weight of major prey taxa for butterfish (*Peprilus triacanthus*) collected on Georges Bank (n = 465). WDP = well-digested prey.

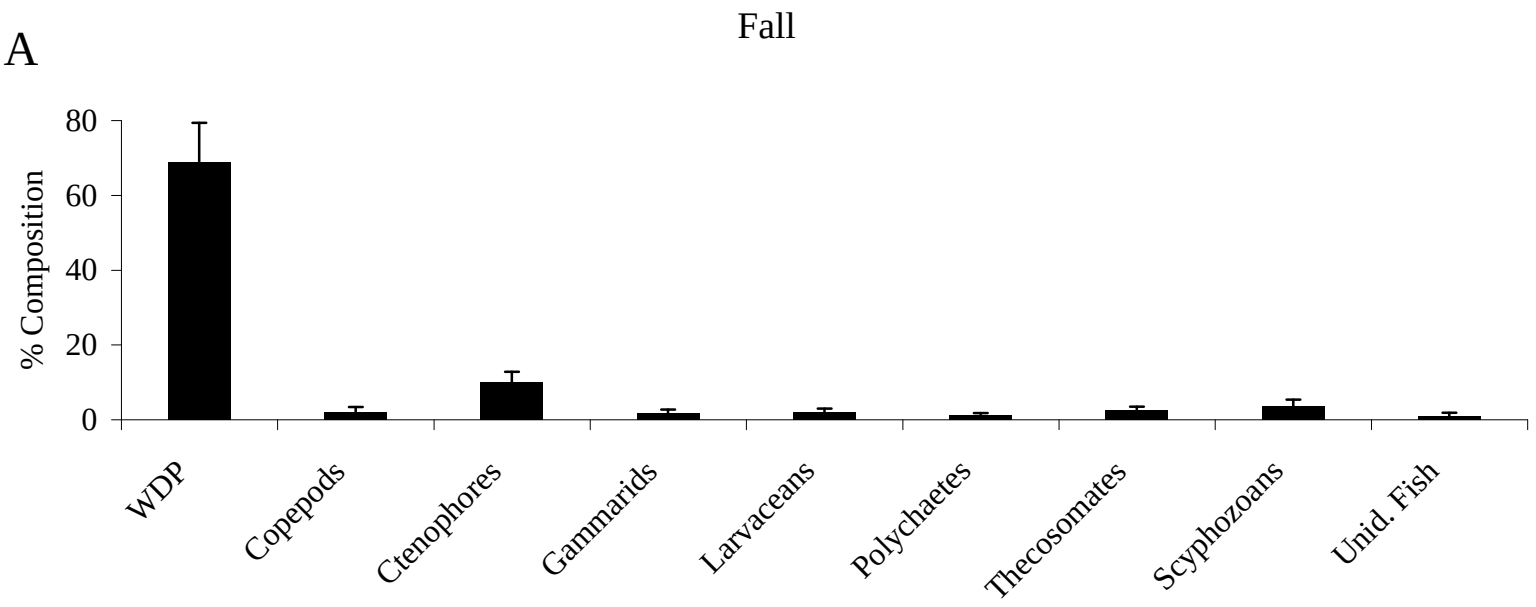

Figure 134A. Percent diet composition by weight of major prey taxa for butterfish (*Peprilus triacanthus*) collected in the fall (n = 3,303). WDP = well-digested prey; Unid. Fish = unidentified fish.

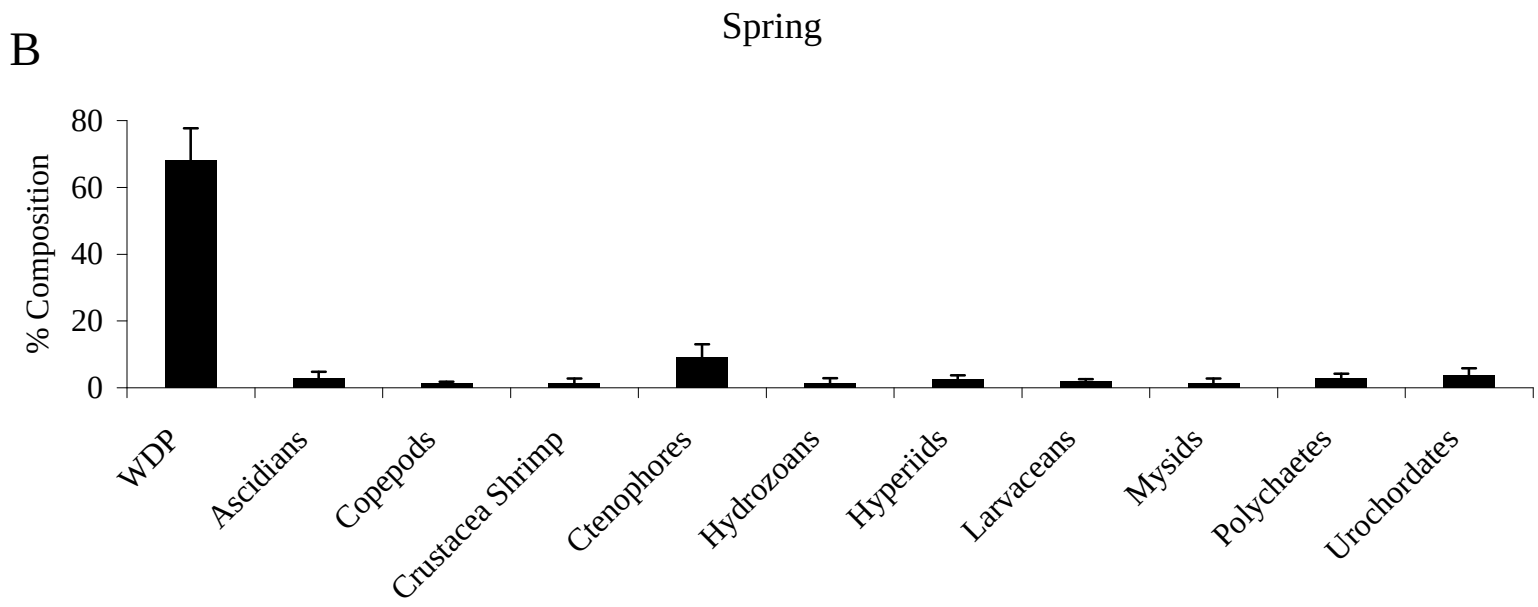

Figure 134B. Percent diet composition by weight of major prey taxa for butterfish (*Peprilus triacanthus*) collected in the spring (n = 1,571). WDP = well-digested prey.

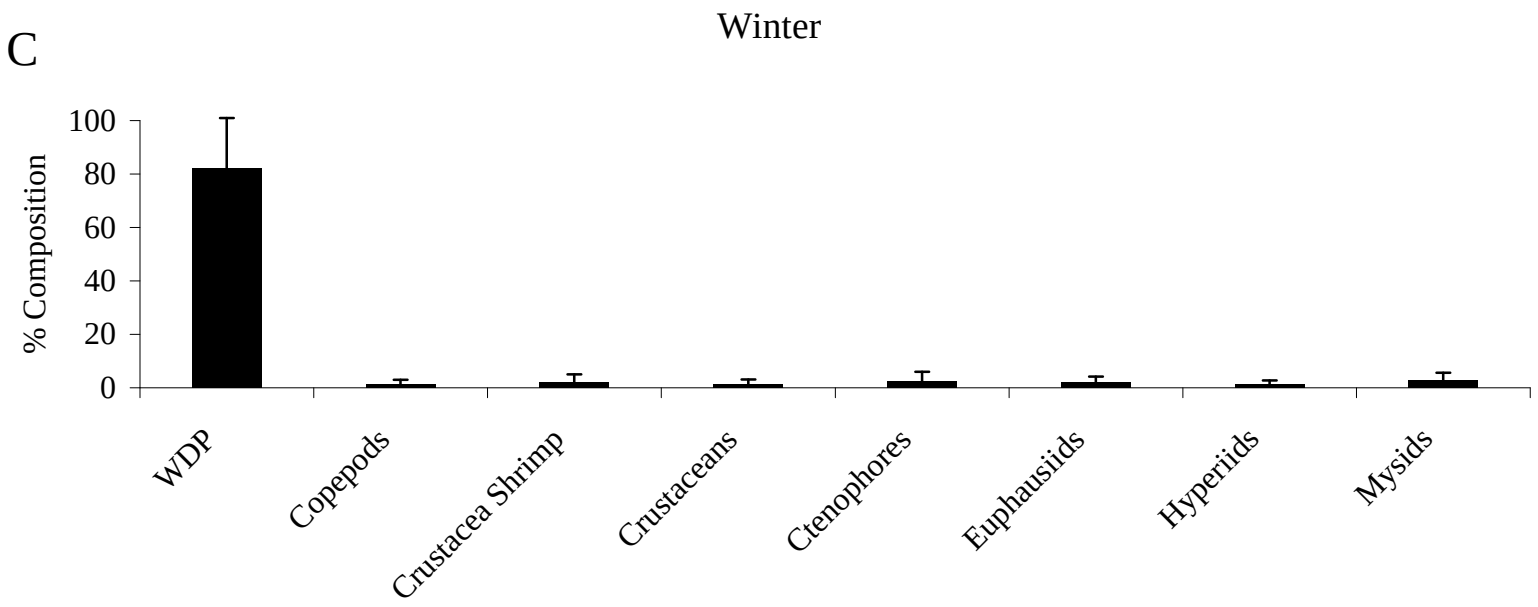

Figure 134C. Percent diet composition by weight of major prey taxa for butterfish (*Peprilus triacanthus*) collected in the winter (n = 880). WDP = well-digested prey.

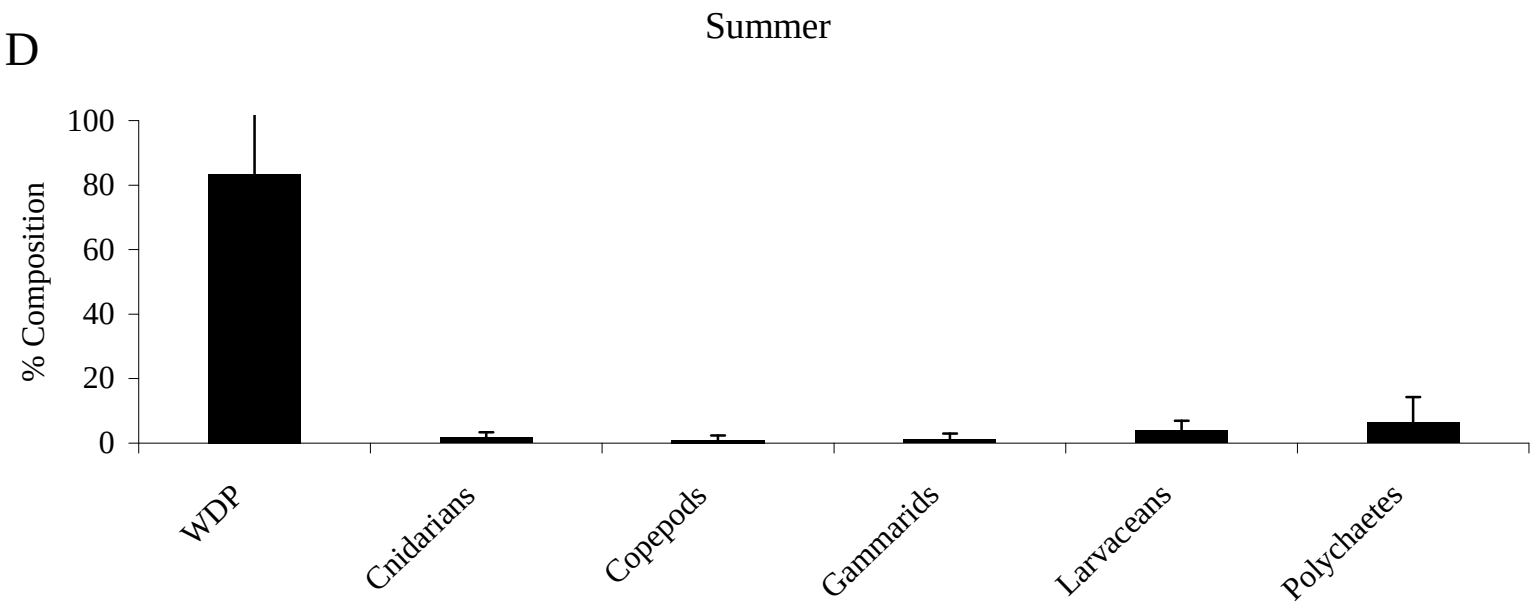

Figure 134D. Percent diet composition by weight of major prey taxa for butterfish (*Peprilus triacanthus*) collected in the summer (n = 344). WDP = well-digested prey.

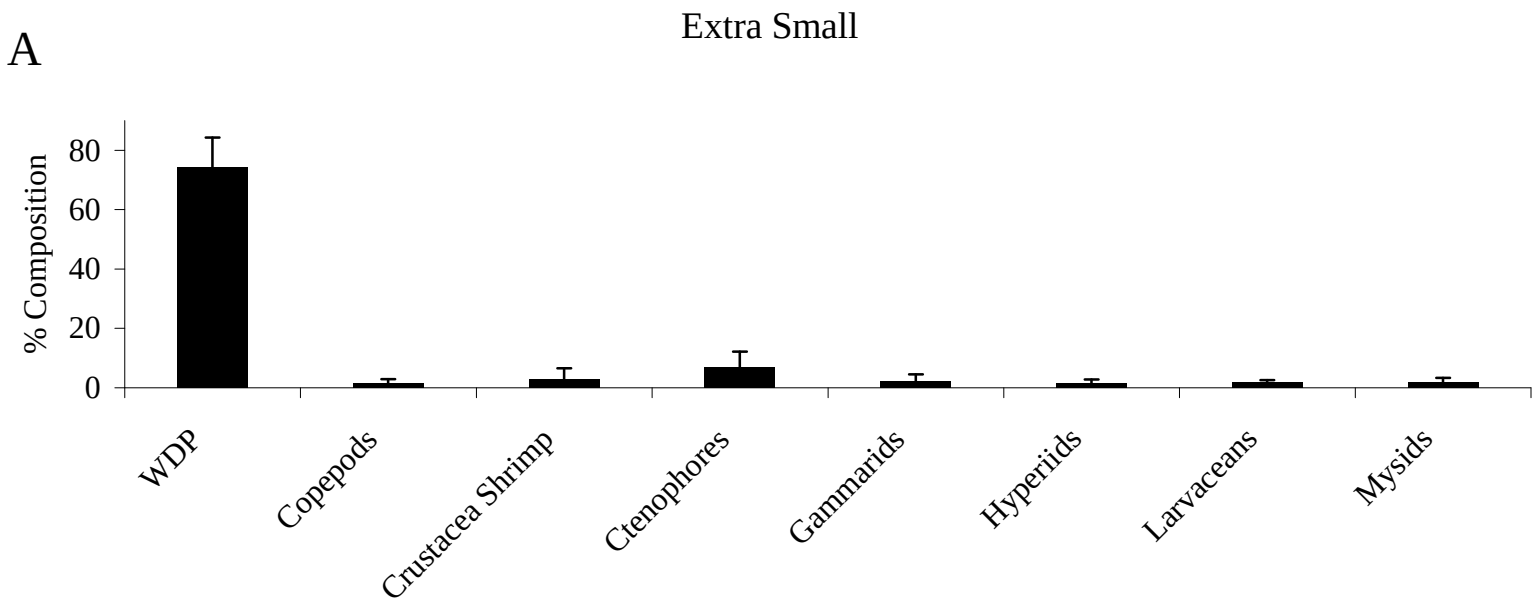

Figure 135A. Percent diet composition by weight of major prey taxa for butterfish (*Peprilus triacanthus*) collected in the extra-small size class (n = 1,773). WDP = well-digested prey.

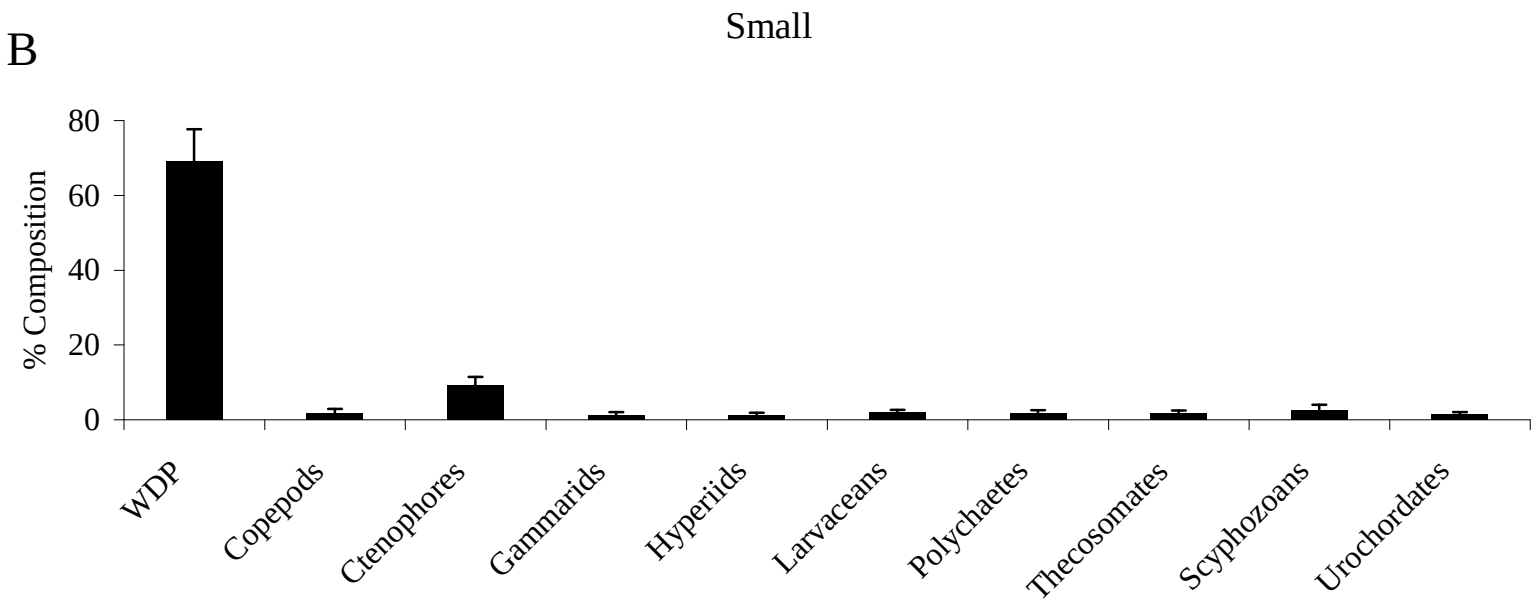

Figure 135B. Percent diet composition by weight of major prey taxa for butterfish (*Peprilus triacanthus*) collected in the small size class (n = 4,230). WDP = well-digested prey.

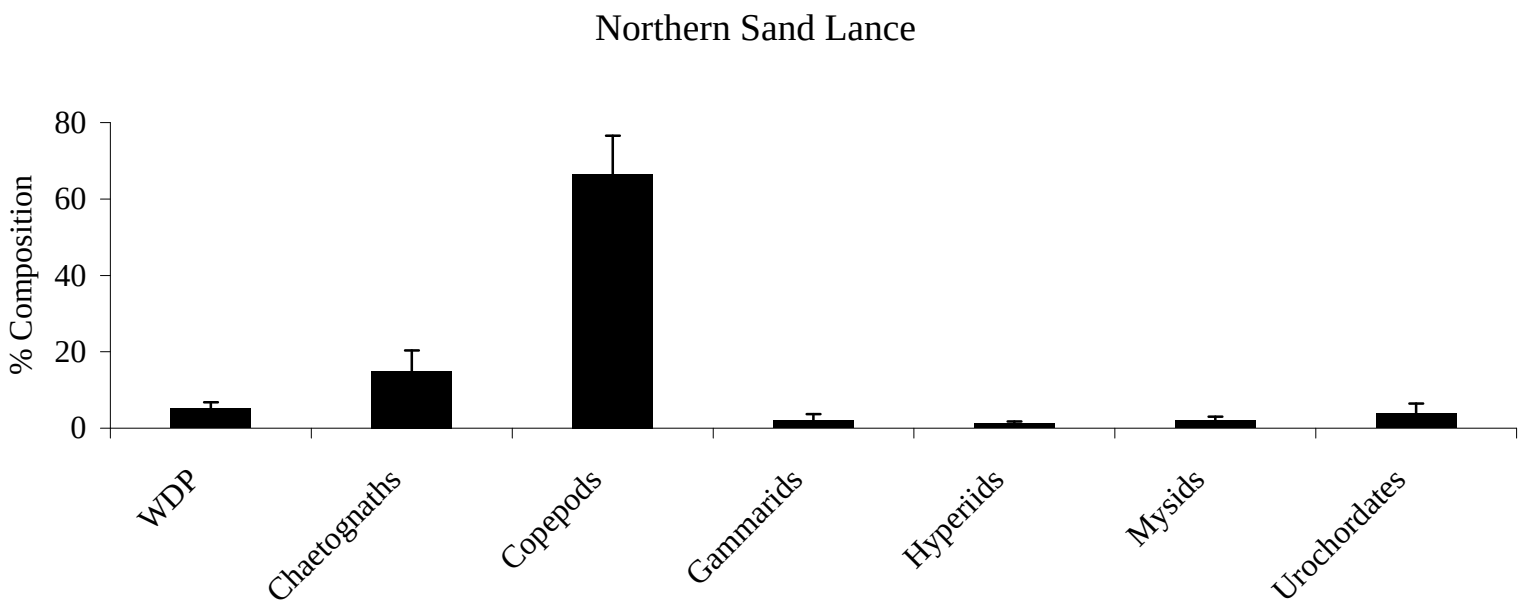

Figure 136. Percent diet composition by weight of major prey taxa for northern sand lance (*Ammodytes dubius*; n = 1,357). WDP = well-digested prey.

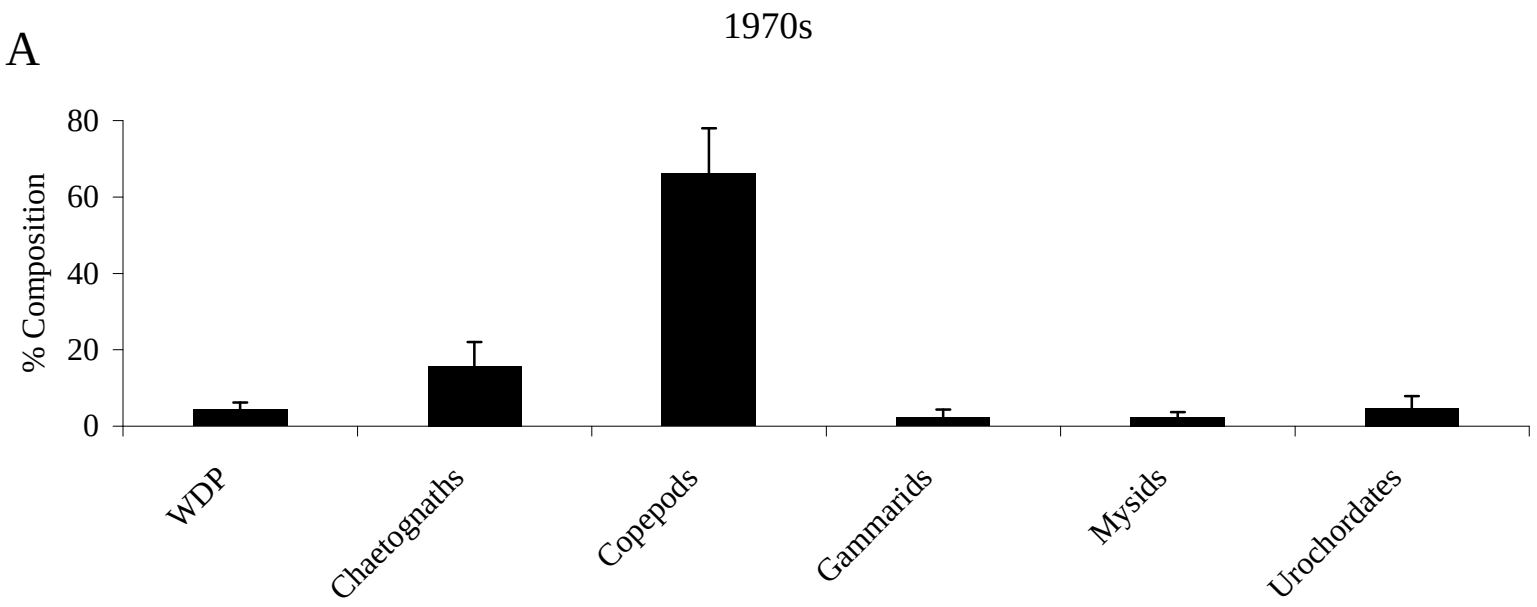

Figure 137A. Percent diet composition by weight of major prey taxa for northern sand lance (*Ammodytes dubius*) collected in the 1970s (n = 1,021). WDP = well-digested prey.

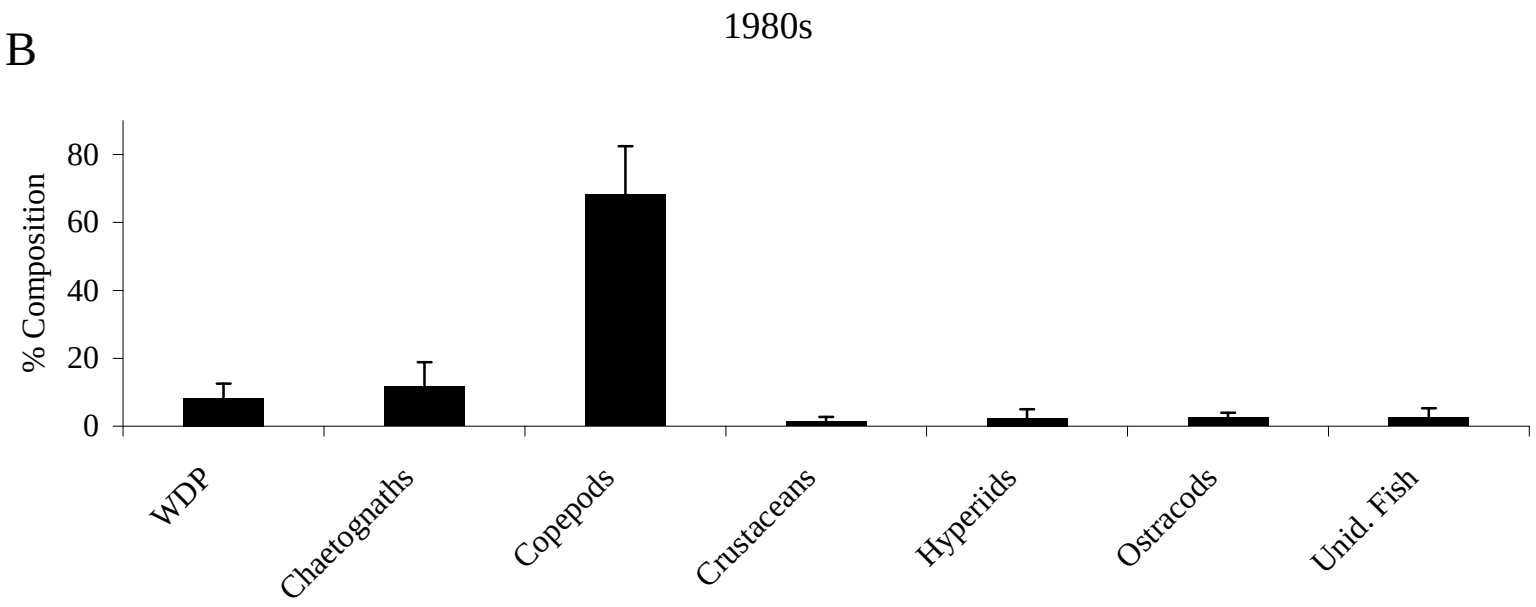

Figure 137B. Percent diet composition by weight of major prey taxa for northern sand lance (*Ammodytes dubius*) collected in the 1980s (n = 336). WDP = well-digested prey; Unid. Fish = unidentified fish.

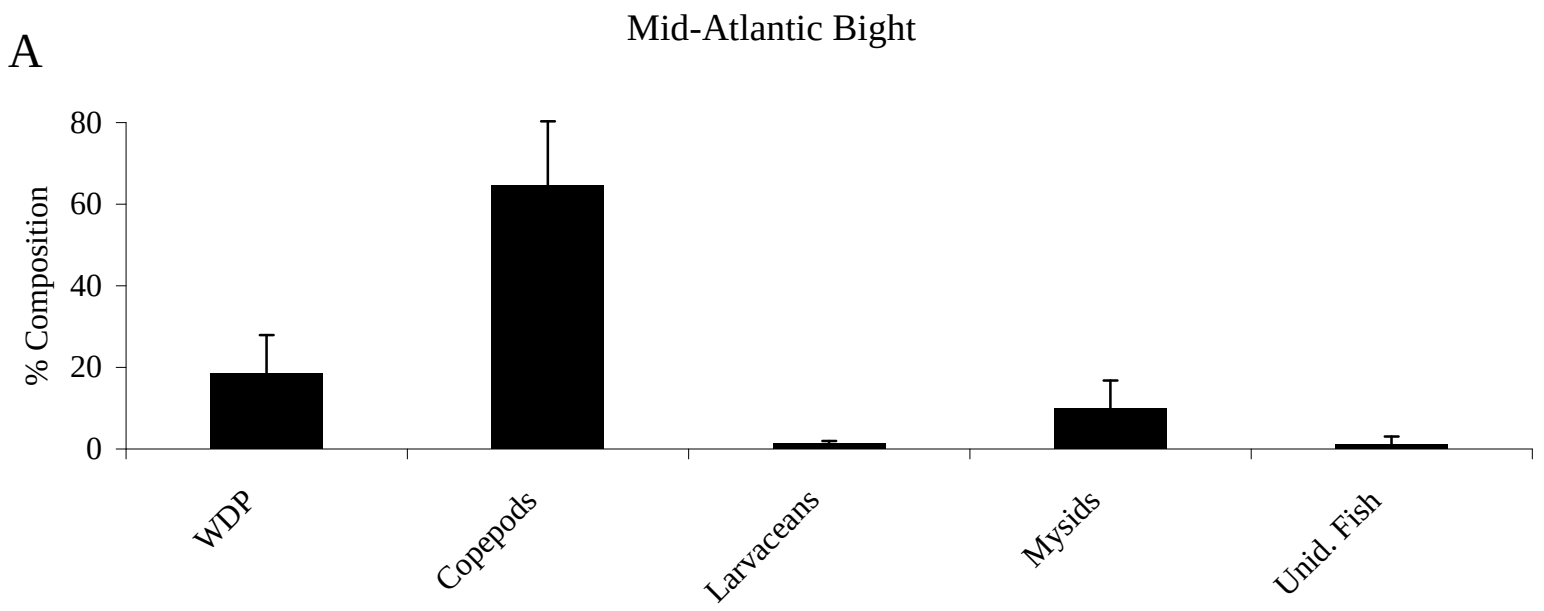

Figure 138A. Percent diet composition by weight of major prey taxa for northern sand lance (*Ammodytes dubius*) collected in the Mid-Atlantic Bight (n = 342). WDP = well-digested prey; Unid. Fish = unidentified fish.

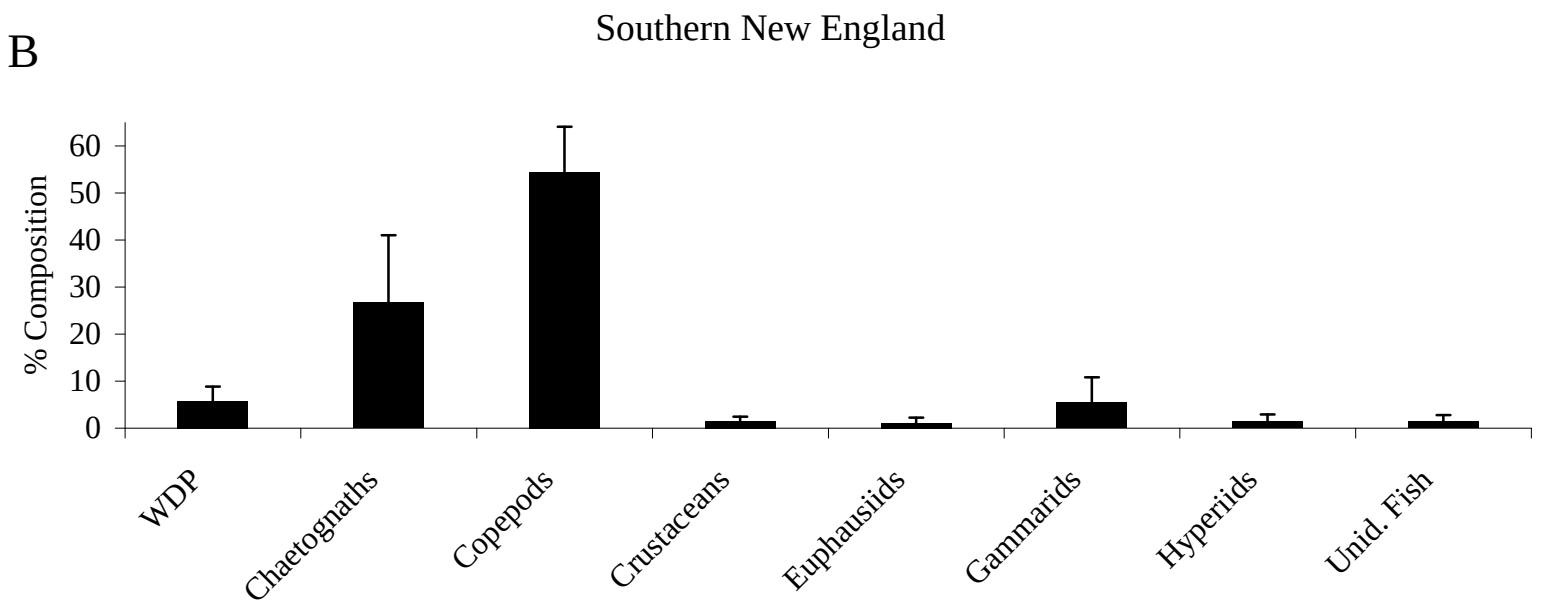

Figure 138B. Percent diet composition by weight of major prey taxa for northern sand lance (*Ammodytes dubius*) collected in Southern New England (n = 521). WDP = well-digested prey; Unid. Fish = unidentified fish.

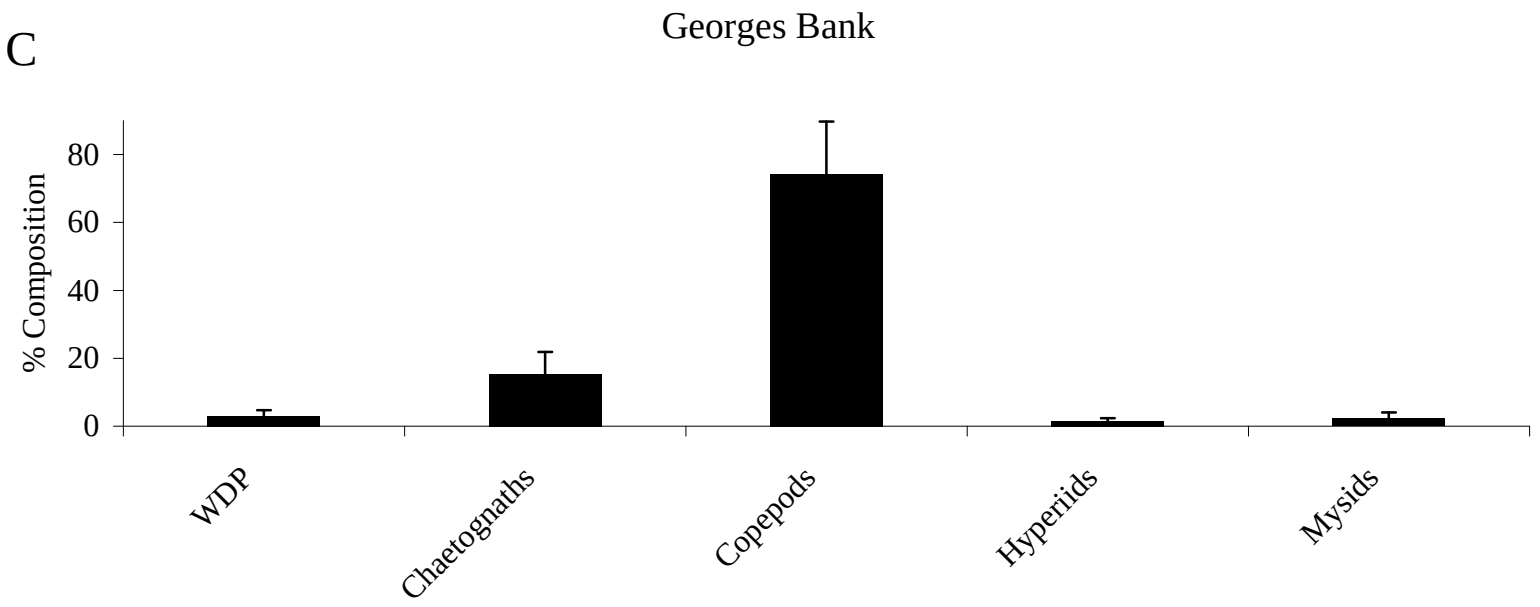

Figure 138C. Percent diet composition by weight of major prey taxa for northern sand lance (*Ammodytes dubius*) collected on Georges Bank (n = 424). WDP = well-digested prey.

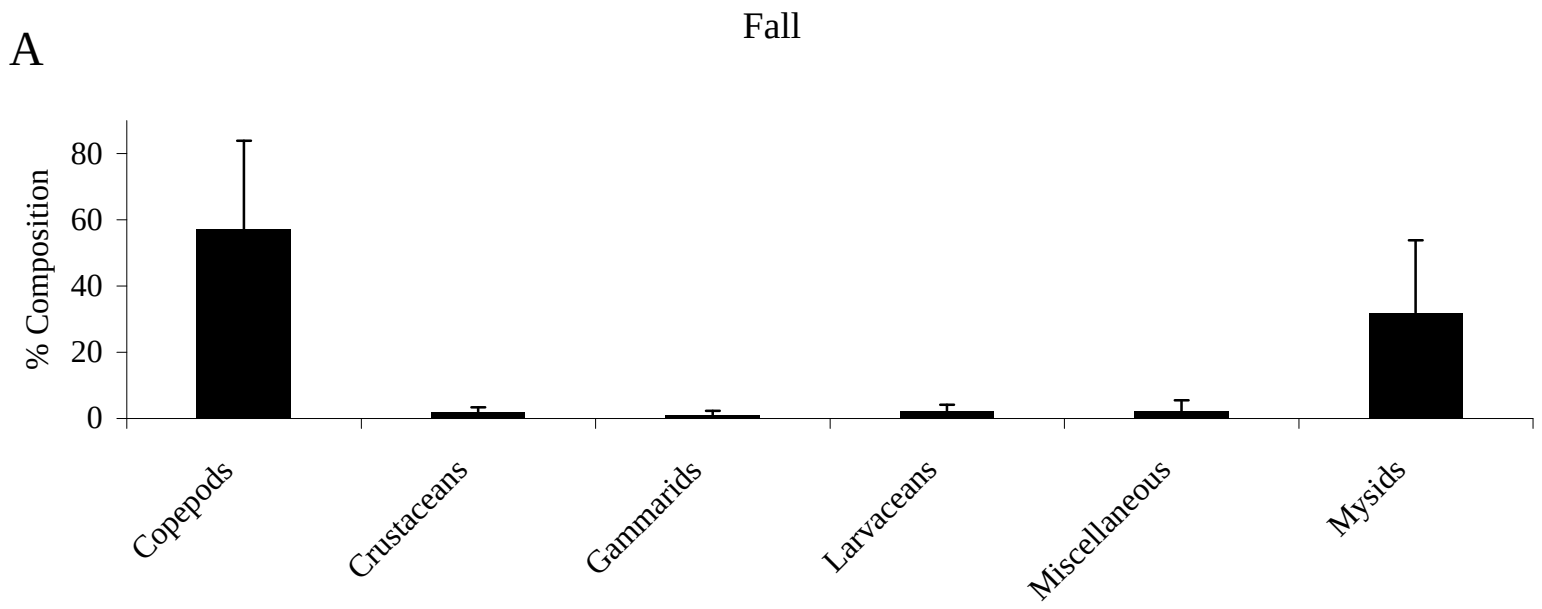

Figure 139A. Percent diet composition by weight of major prey taxa for northern sand lance (*Ammodytes dubius*) collected in the fall (n = 207).

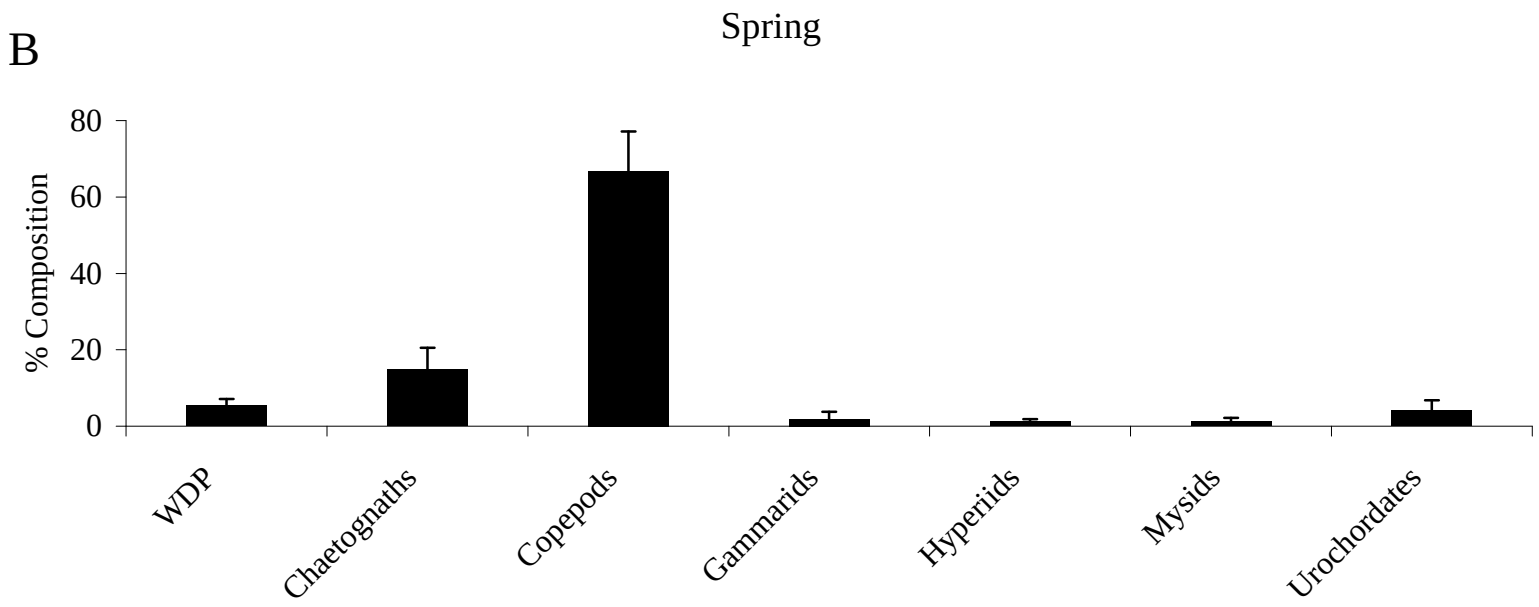

Figure 139B. Percent diet composition by weight of major prey taxa for northern sand lance (*Ammodytes dubius*) collected in the spring (n = 915). WDP = well-digested prey.

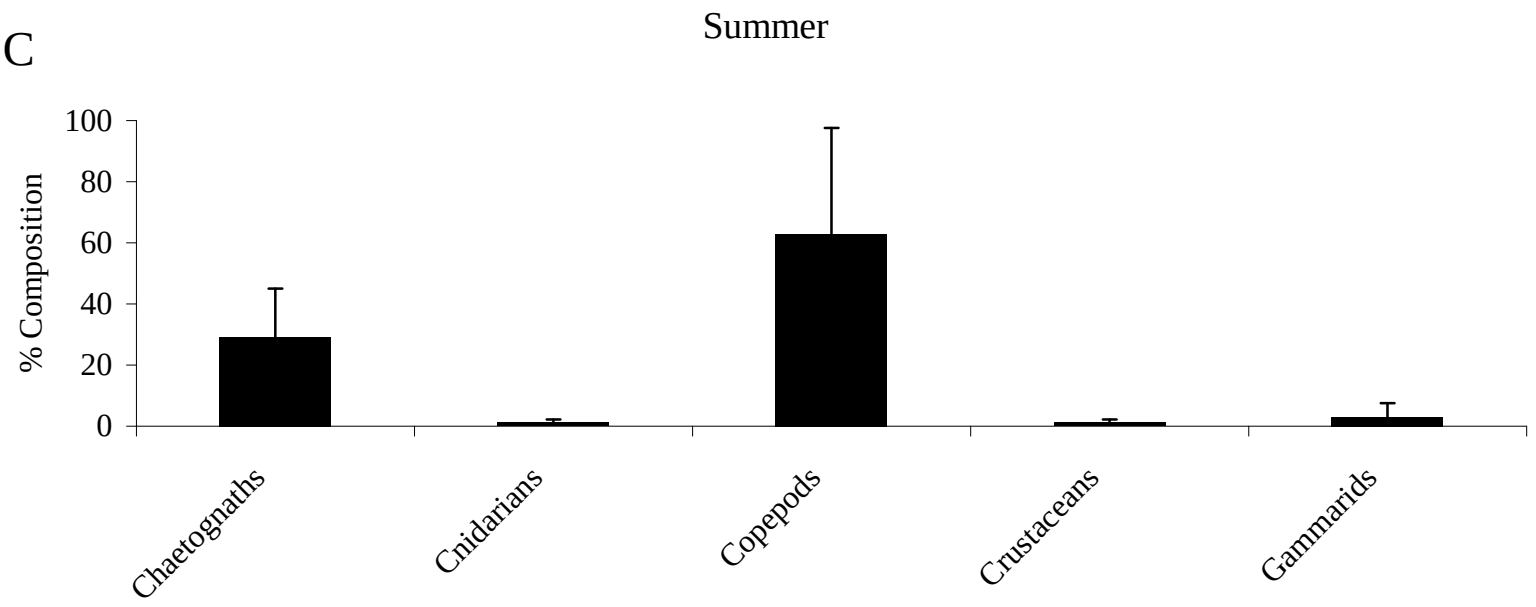

Figure 139C. Percent diet composition by weight of major prey taxa for northern sand lance (*Ammodytes dubius*) collected in the summer (n = 235).

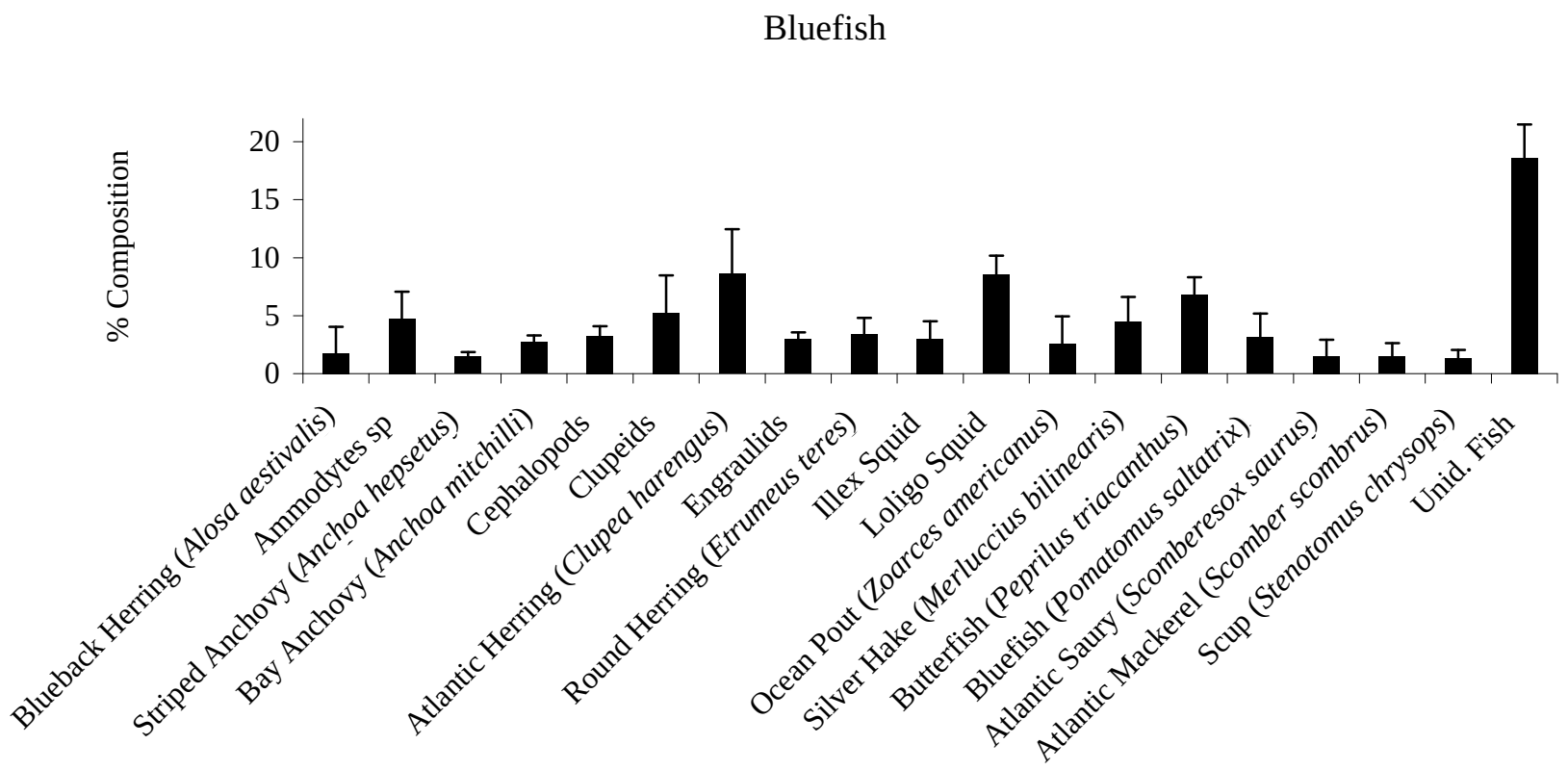

Figure 140. Percent diet composition by weight of major prey taxa for bluefish (*Pomatomus saltatrix*; n = 4,826). Unid. Fish = unidentified fish.

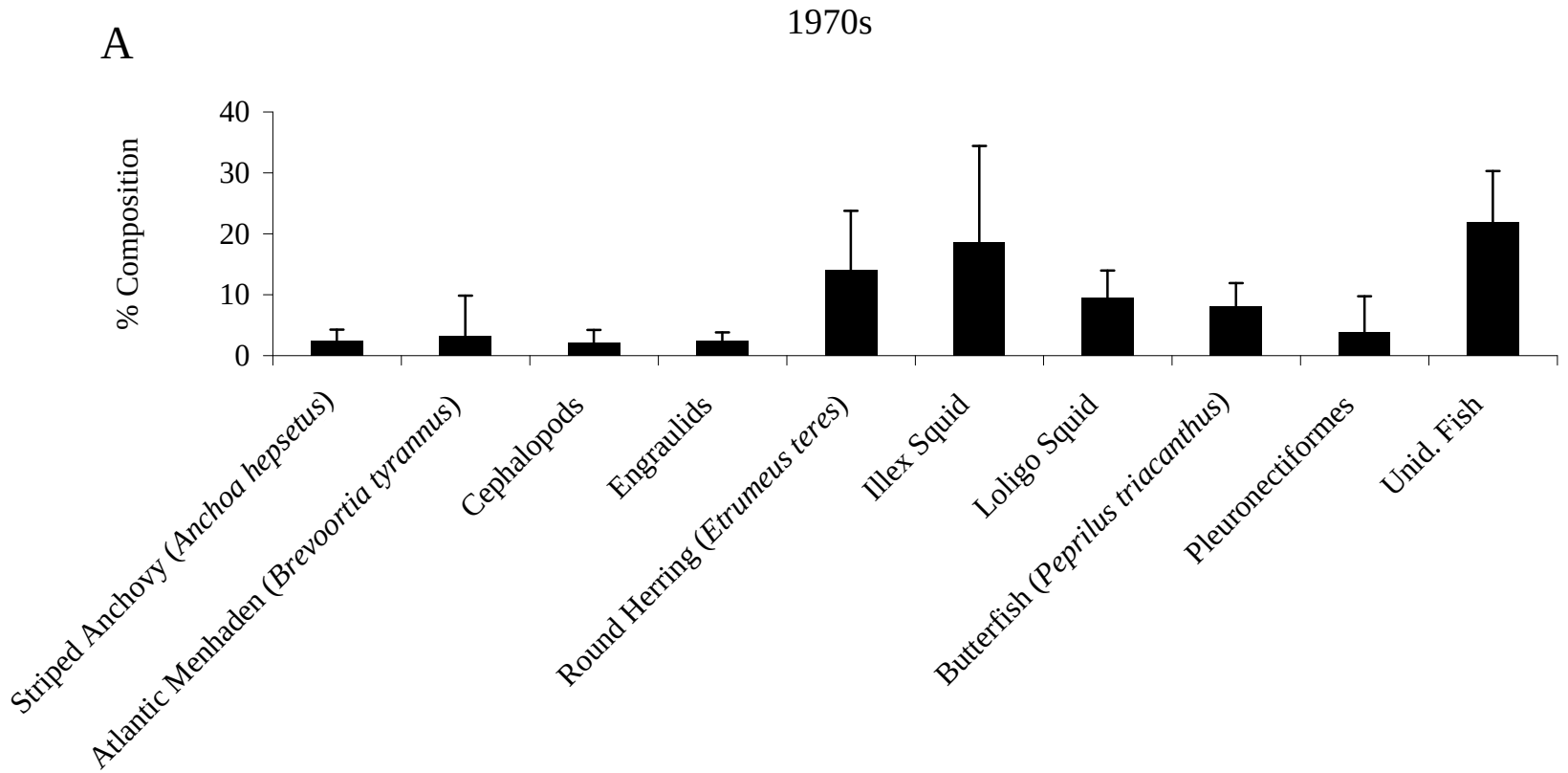

Figure 141A. Percent diet composition by weight of major prey taxa for bluefish (*Pomatomus saltatrix*) collected in the 1970s (n = 433). Unid. Fish = unidentified fish.

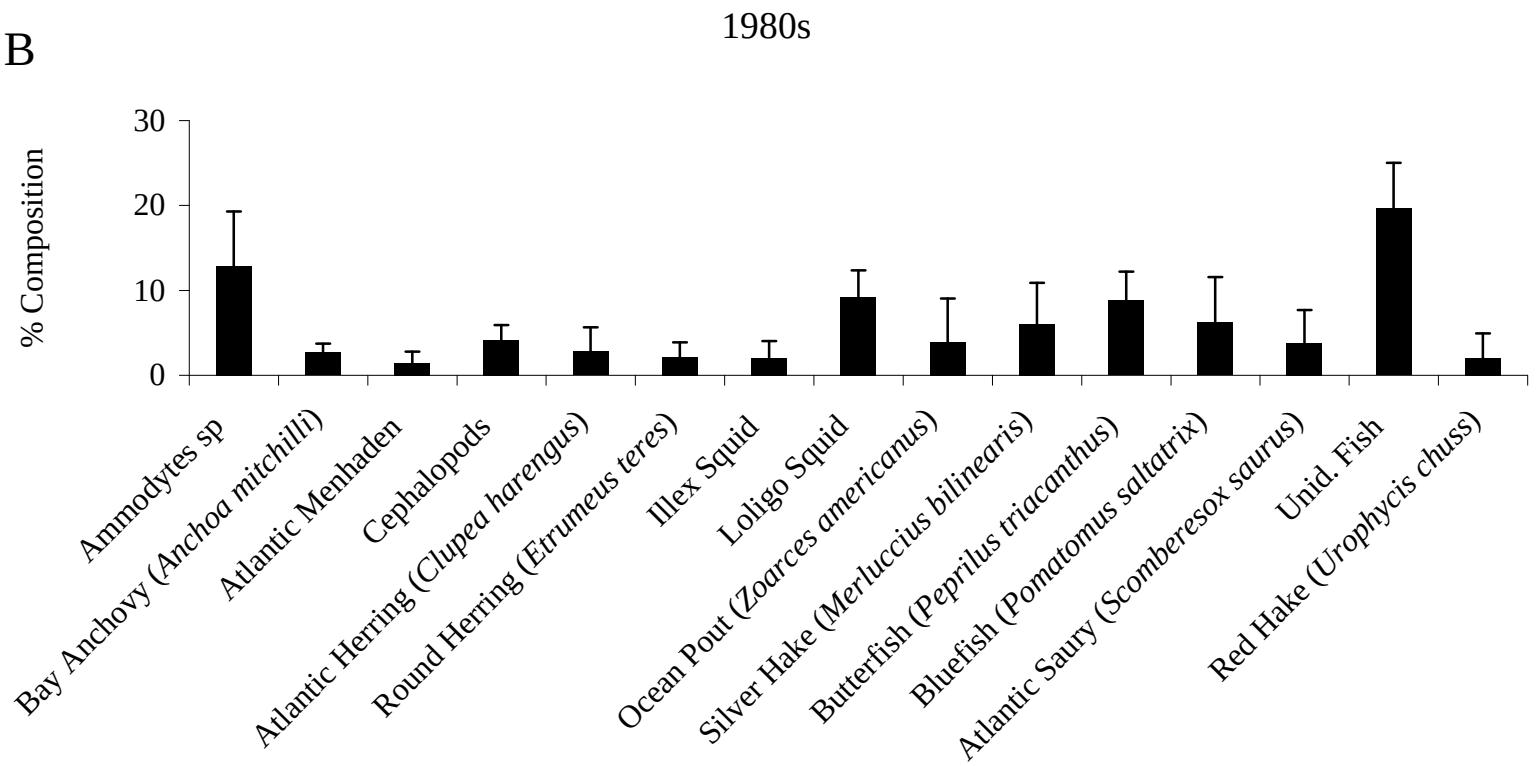

Figure 141B. Percent diet composition by weight of major prey taxa for bluefish (*Pomatomus saltatrix*) collected in the 1980s (n = 1,575). Unid. Fish = unidentified fish.

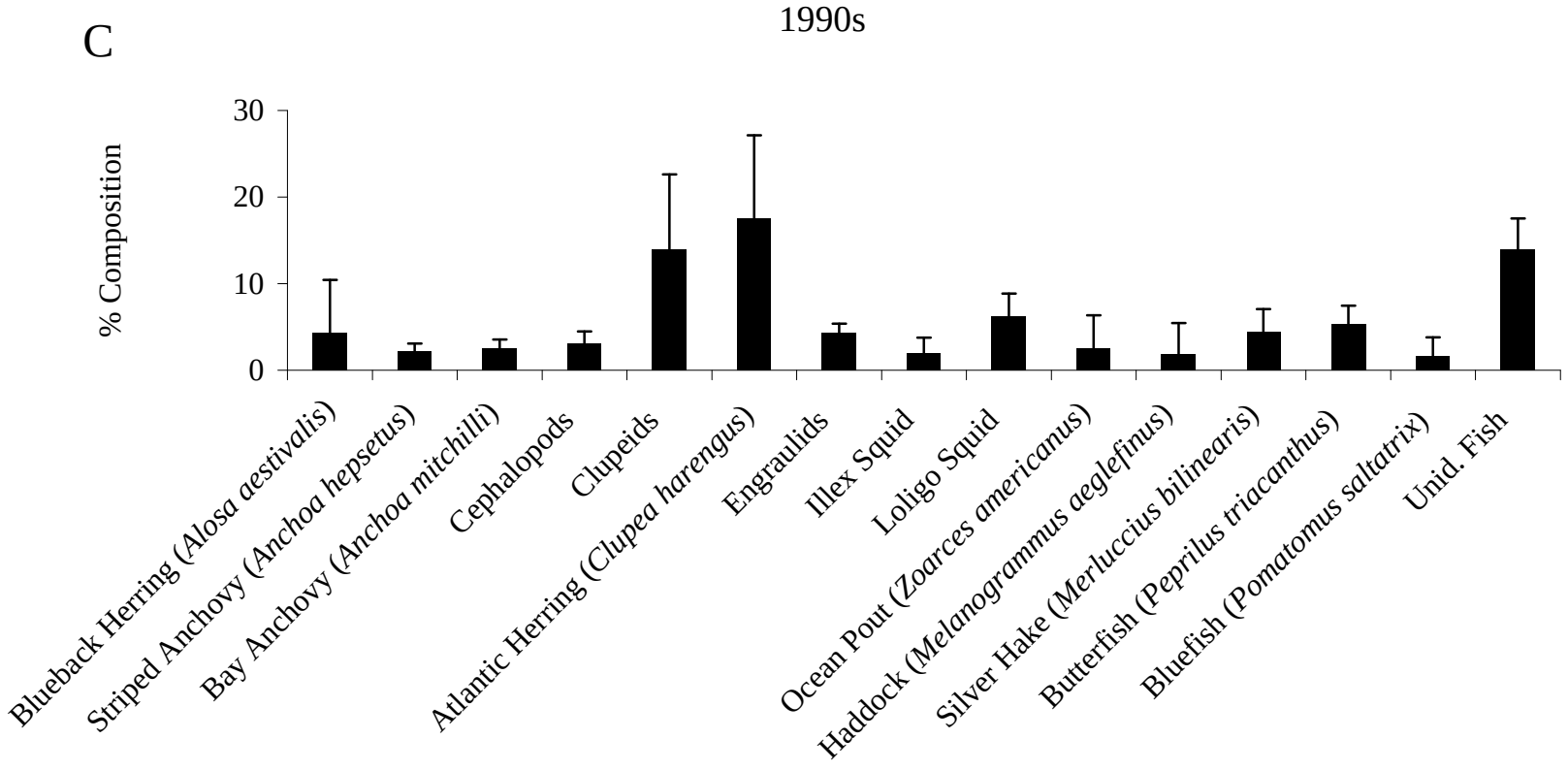

Figure 141C. Percent diet composition by weight of major prey taxa for bluefish (*Pomatomus saltatrix*) collected in the 1990s (n = 1,616). Unid. Fish = unidentified fish.

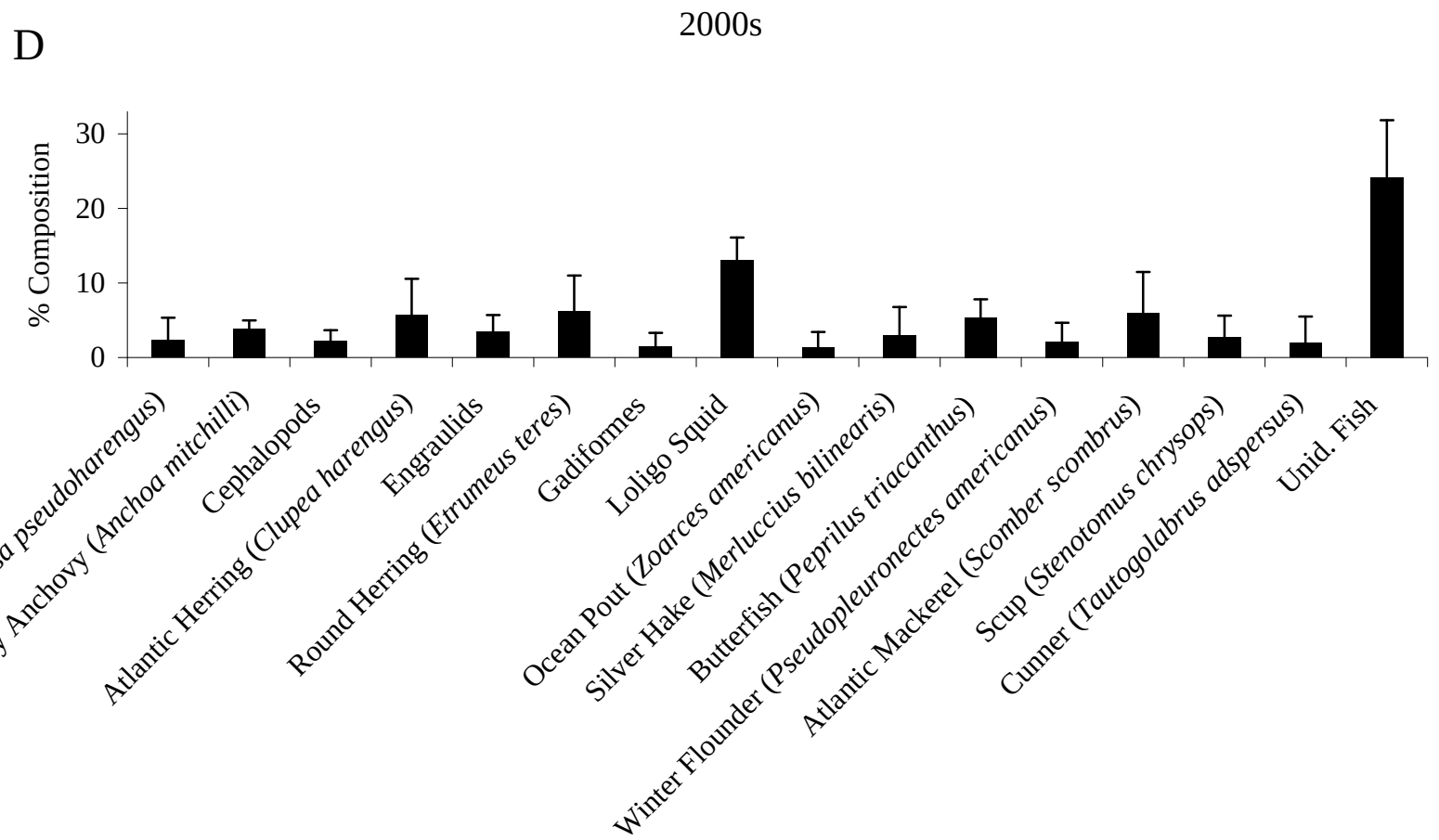

Figure 141D. Percent diet composition by weight of major prey taxa for bluefish (*Pomatomus saltatrix*) collected in the 2000s (n = 1,202). Unid. Fish = unidentified fish.

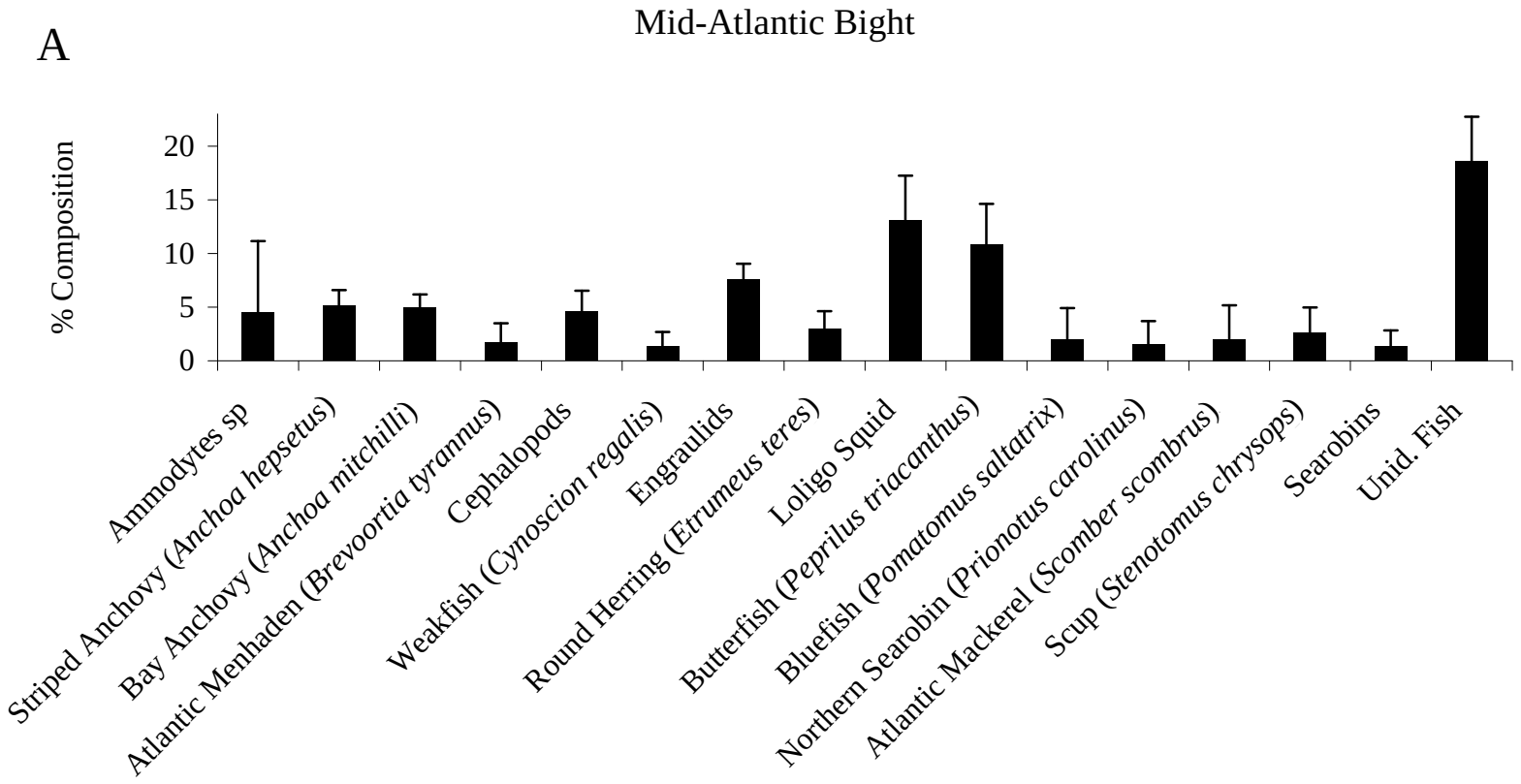

Figure 142A. Percent diet composition by weight of major prey taxa for bluefish (*Pomatomus saltatrix*) collected in the Mid-Atlantic Bight (n = 2,763). Unid. Fish = unidentified fish.

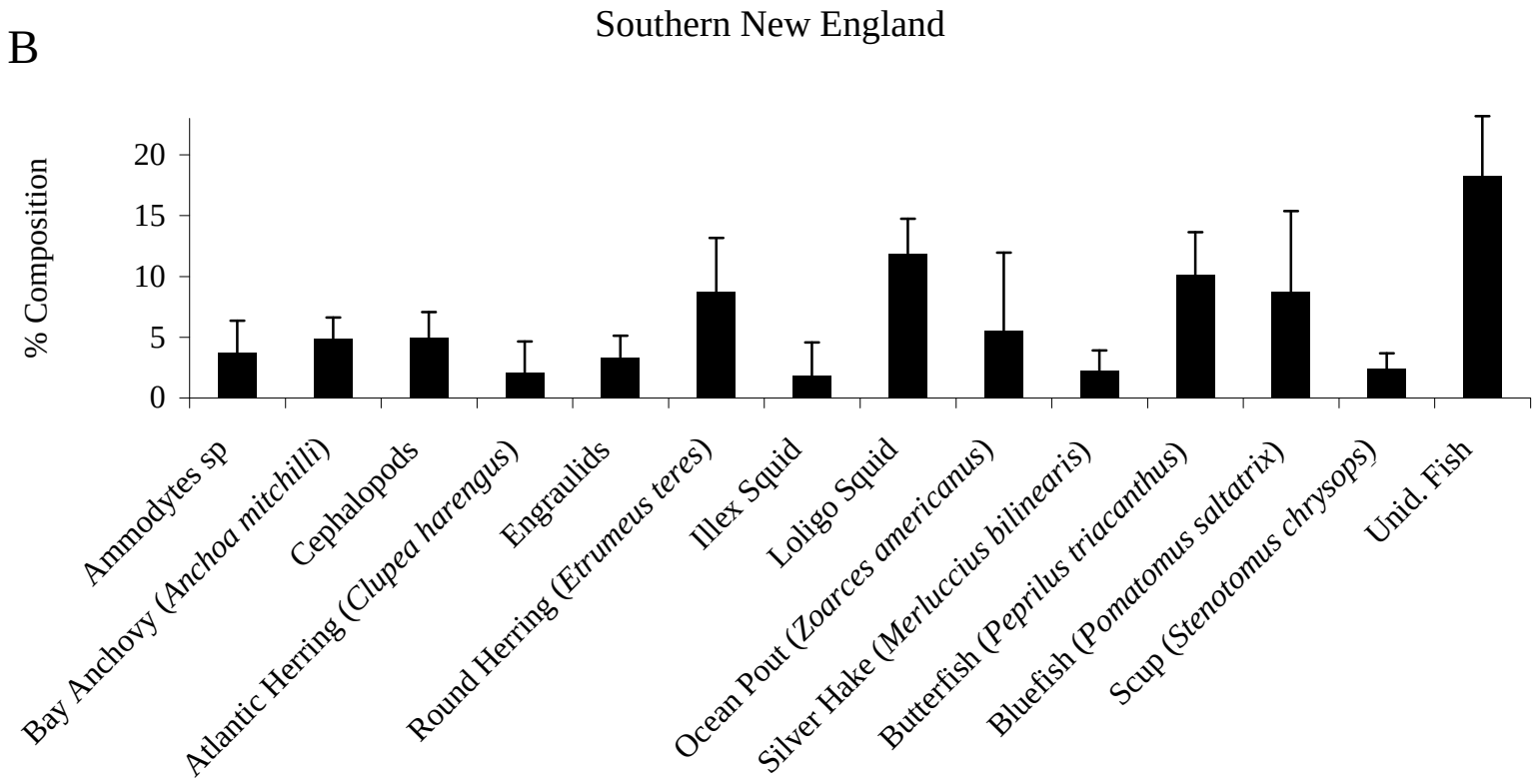

Figure 142B. Percent diet composition by weight of major prey taxa for bluefish (*Pomatomus saltatrix*) collected in Southern New England (n = 1,296). Unid. Fish = unidentified fish.

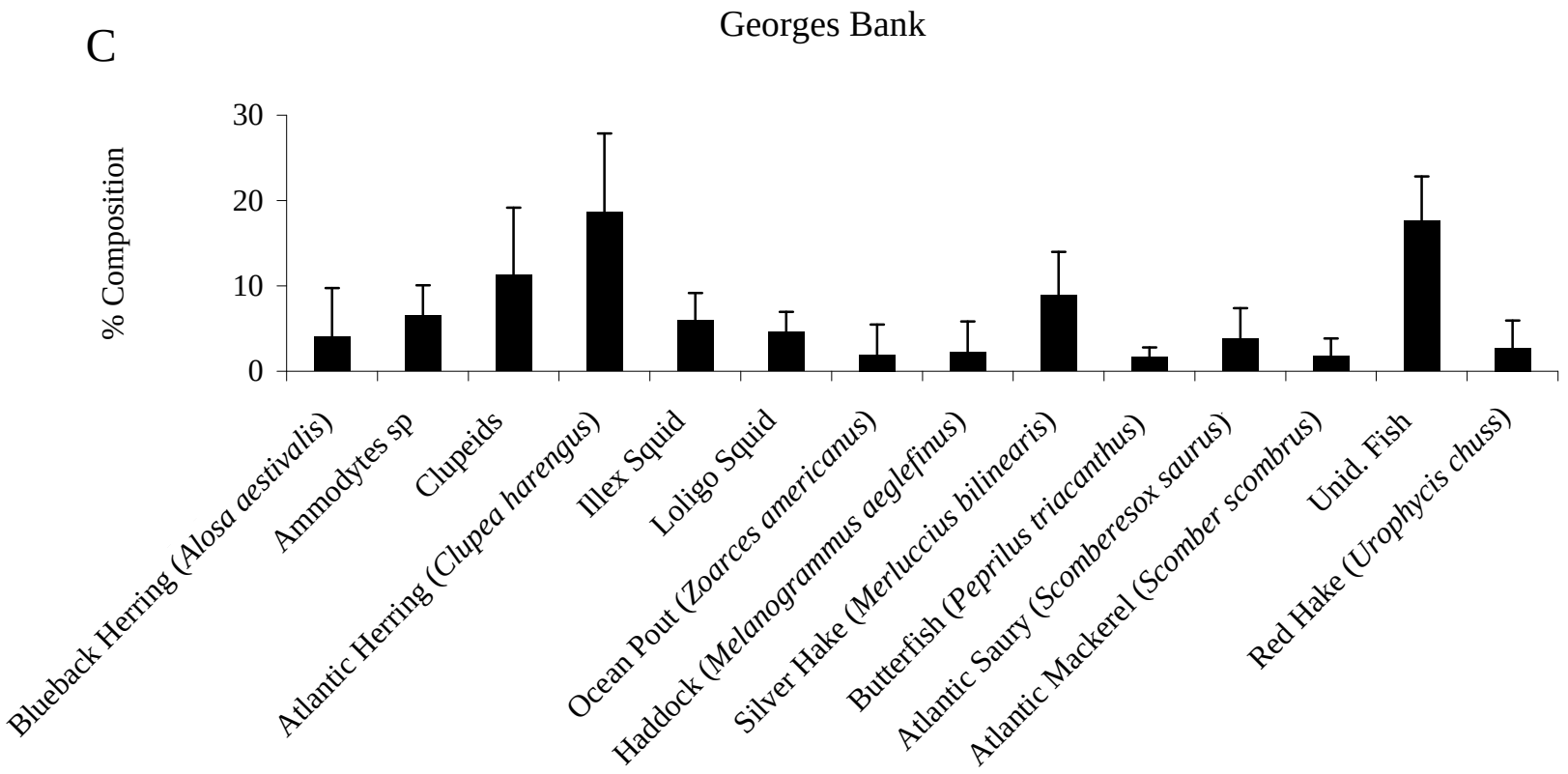

Figure 142C. Percent diet composition by weight of major prey taxa for bluefish (*Pomatomus saltatrix*) collected on Georges Bank (n = 472). Unid. Fish = unidentified fish.

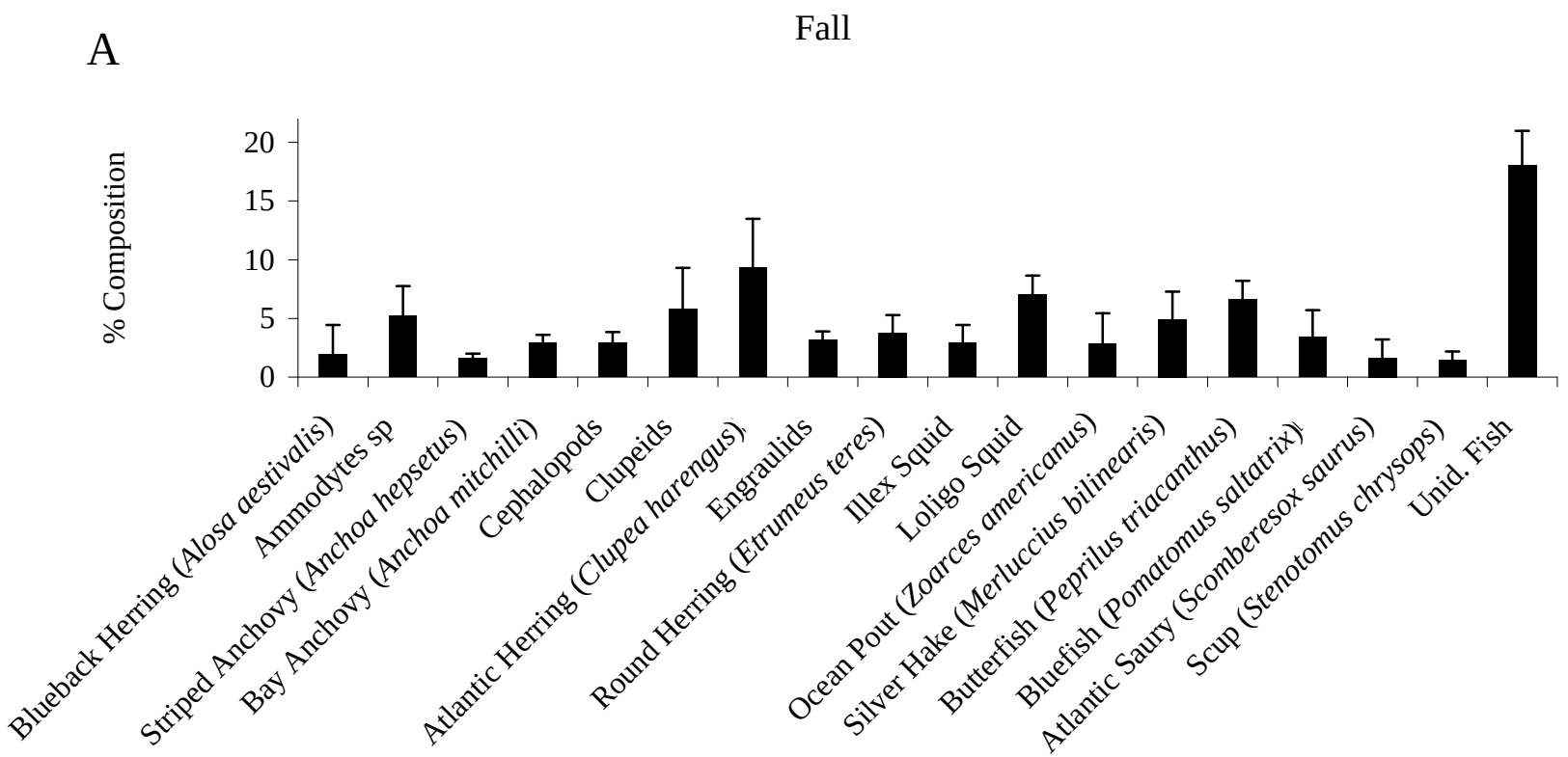

Figure 143A. Percent diet composition by weight of major prey taxa for bluefish (*Pomatomus saltatrix*) collected in the fall (n = 4,312). Unid. Fish = unidentified fish.

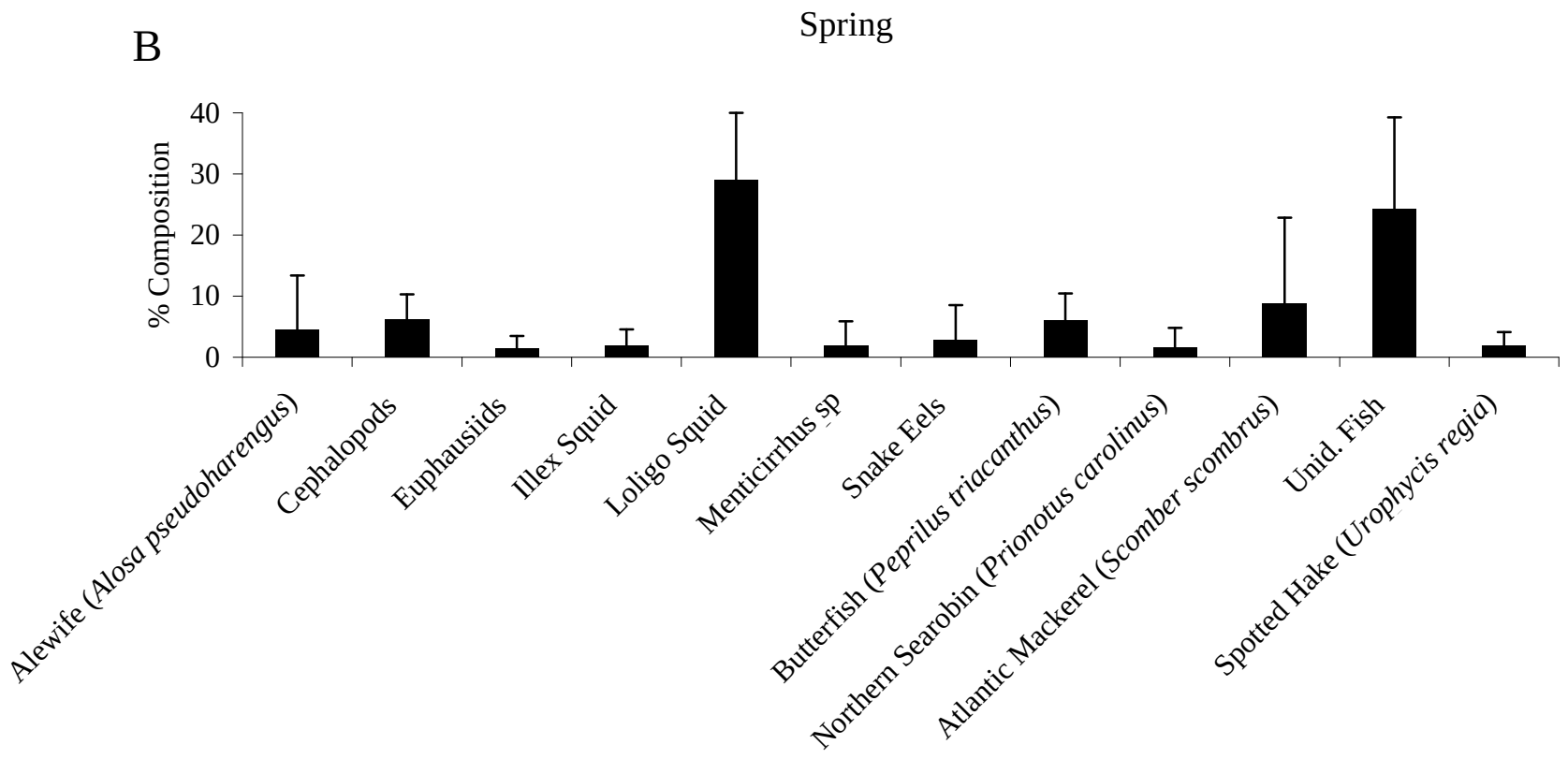

Figure 143B. Percent diet composition by weight of major prey taxa for bluefish (*Pomatomus saltatrix*) collected in the spring (n = 237). Unid. Fish = unidentified fish.

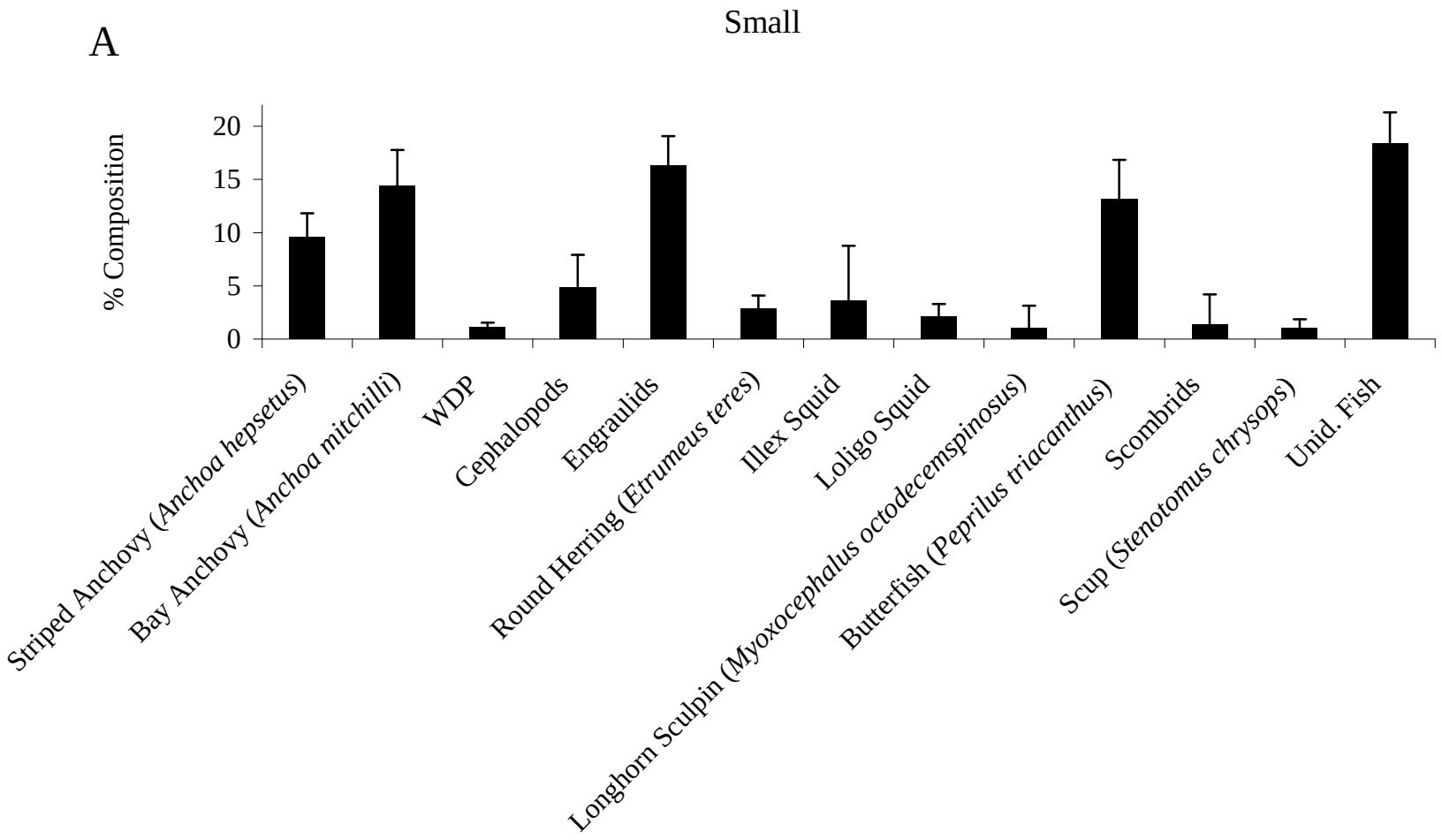

Figure 144A. Percent diet composition by weight of major prey taxa for bluefish (*Pomatomus saltatrix*) in the small size class (n = 2,645). WDP = well-digested prey; Unid. Fish = unidentified fish.

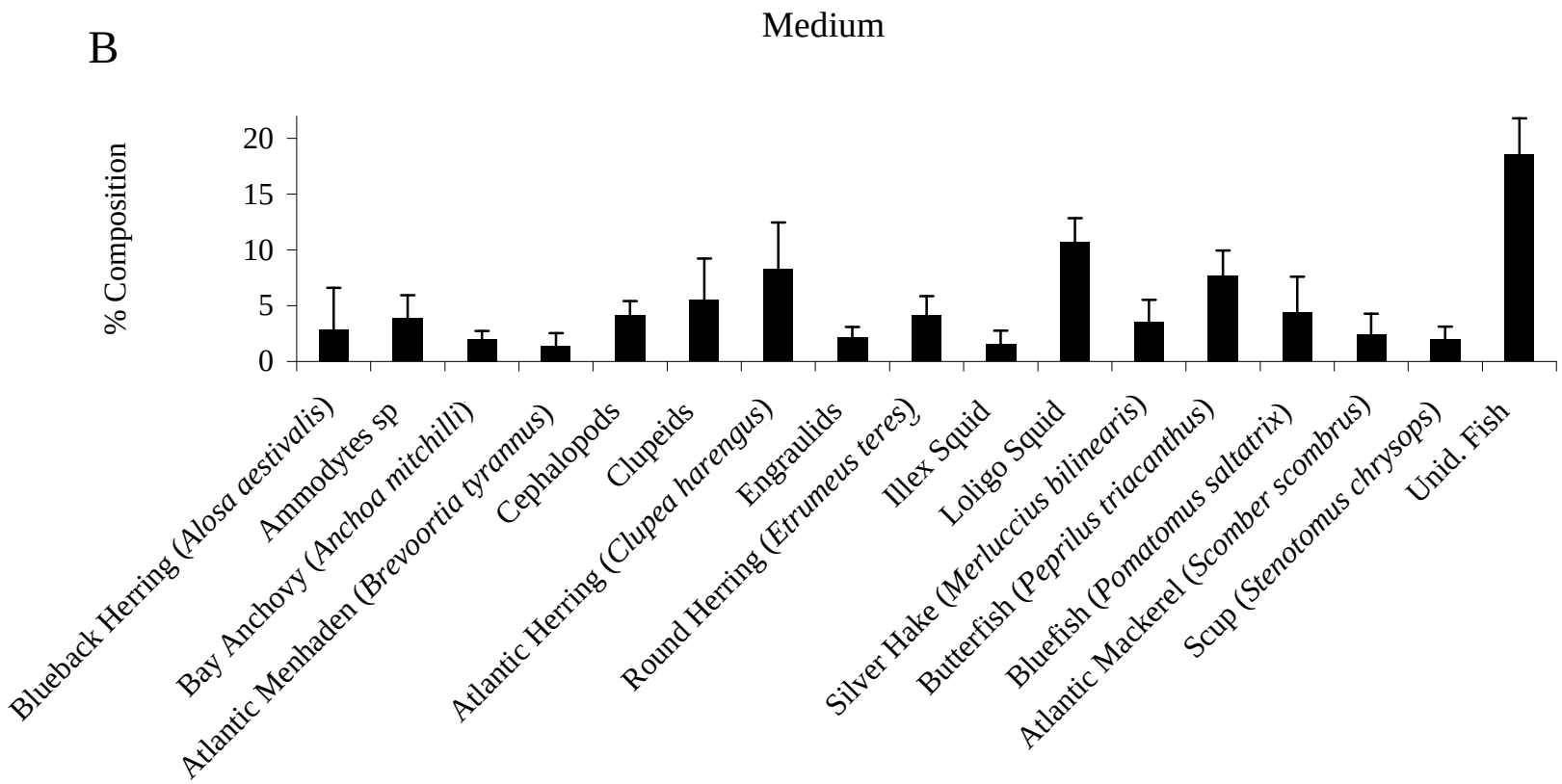

Figure 144B. Percent diet composition by weight of major prey taxa for bluefish (*Pomatomus saltatrix*) in the medium size class (n = 1,882). Unid. Fish = unidentified fish.

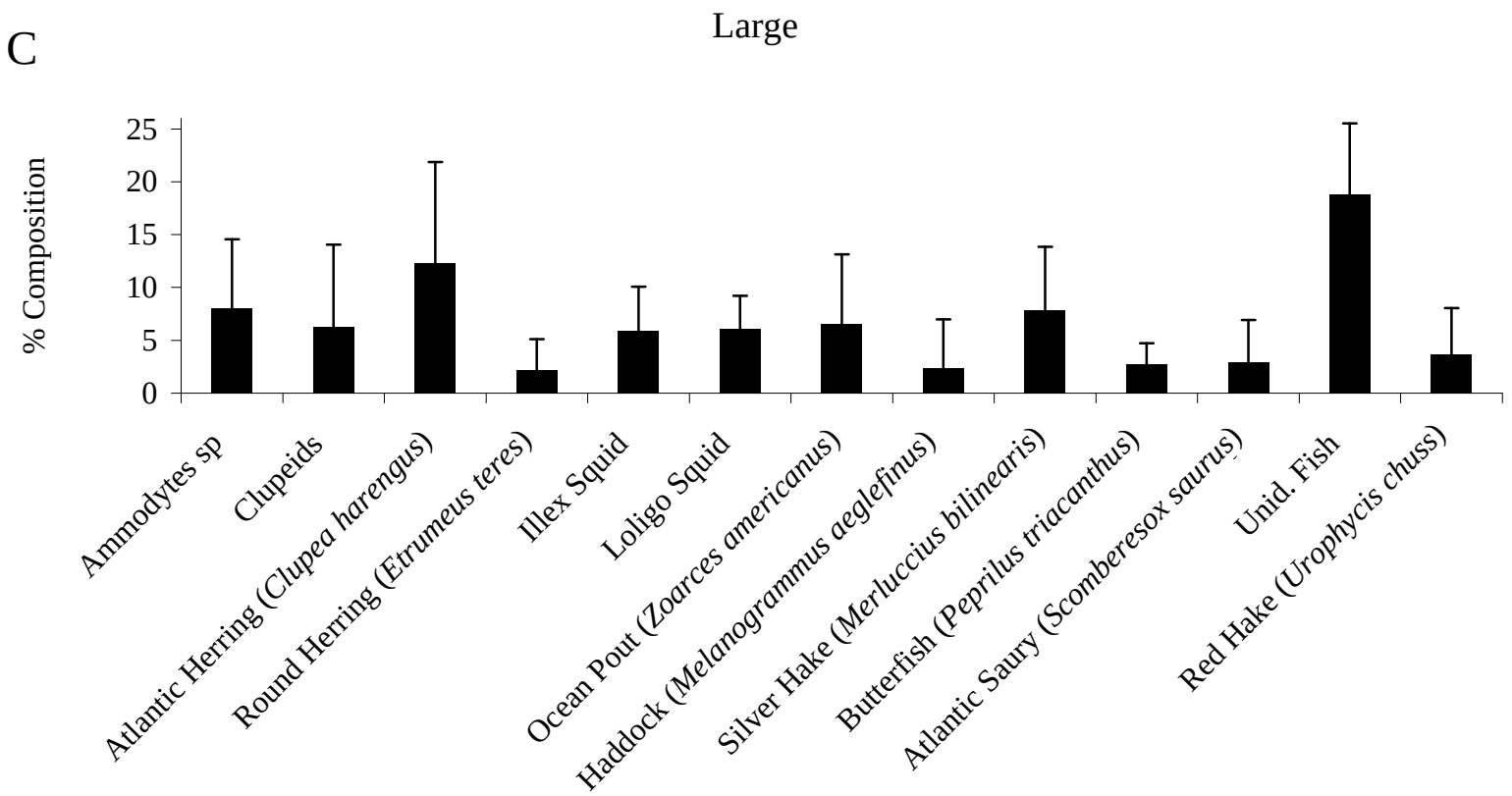

Figure 144C. Percent diet composition by weight of major prey taxa for bluefish (*Pomatomus saltatrix*) in the large size class (n = 299). Unid. Fish = unidentified fish.

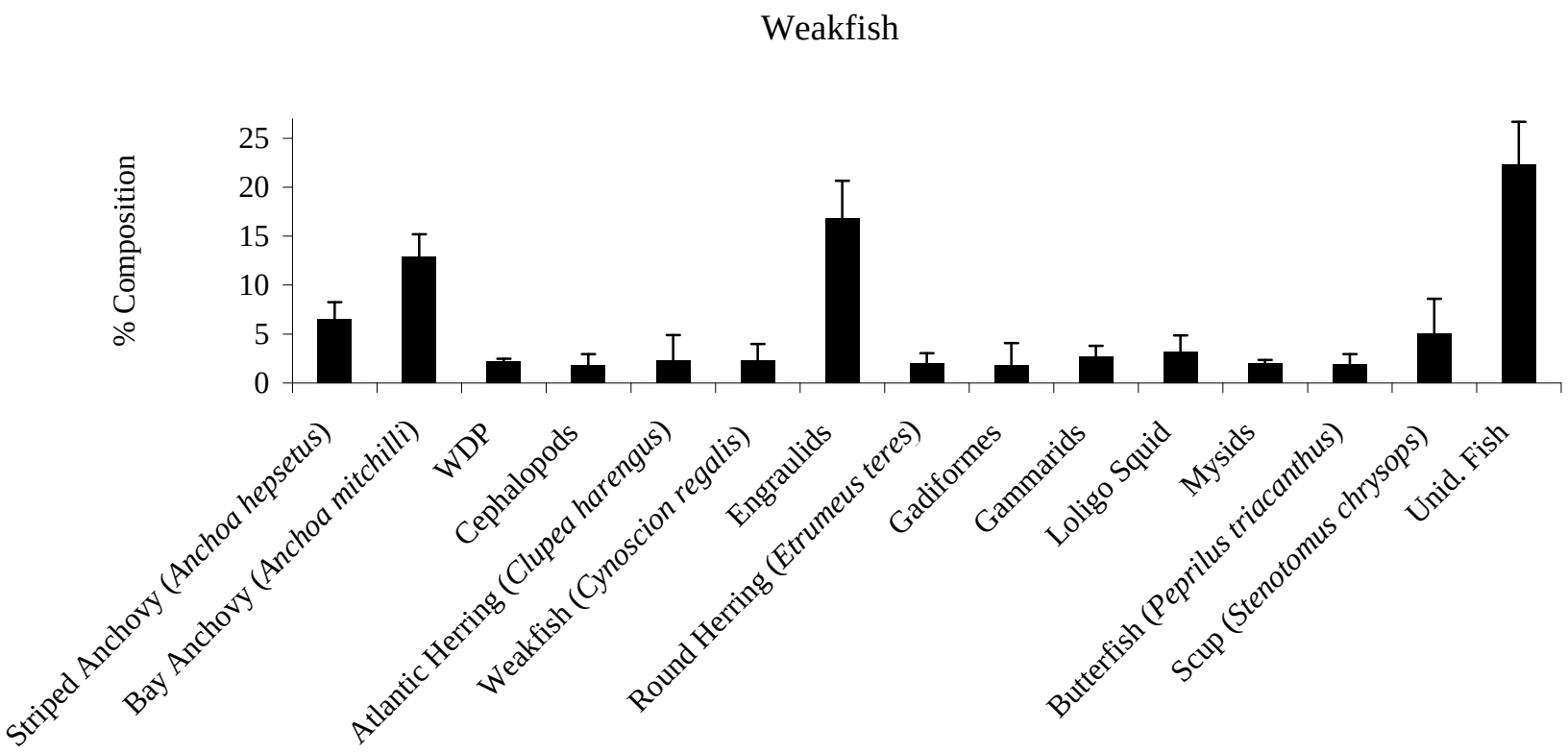

Figure 145. Percent diet composition by weight of major prey taxa for weakfish (*Cynoscion regalis*; n = 5,117). WDP = well-digested prey; Unid. Fish = unidentified fish.

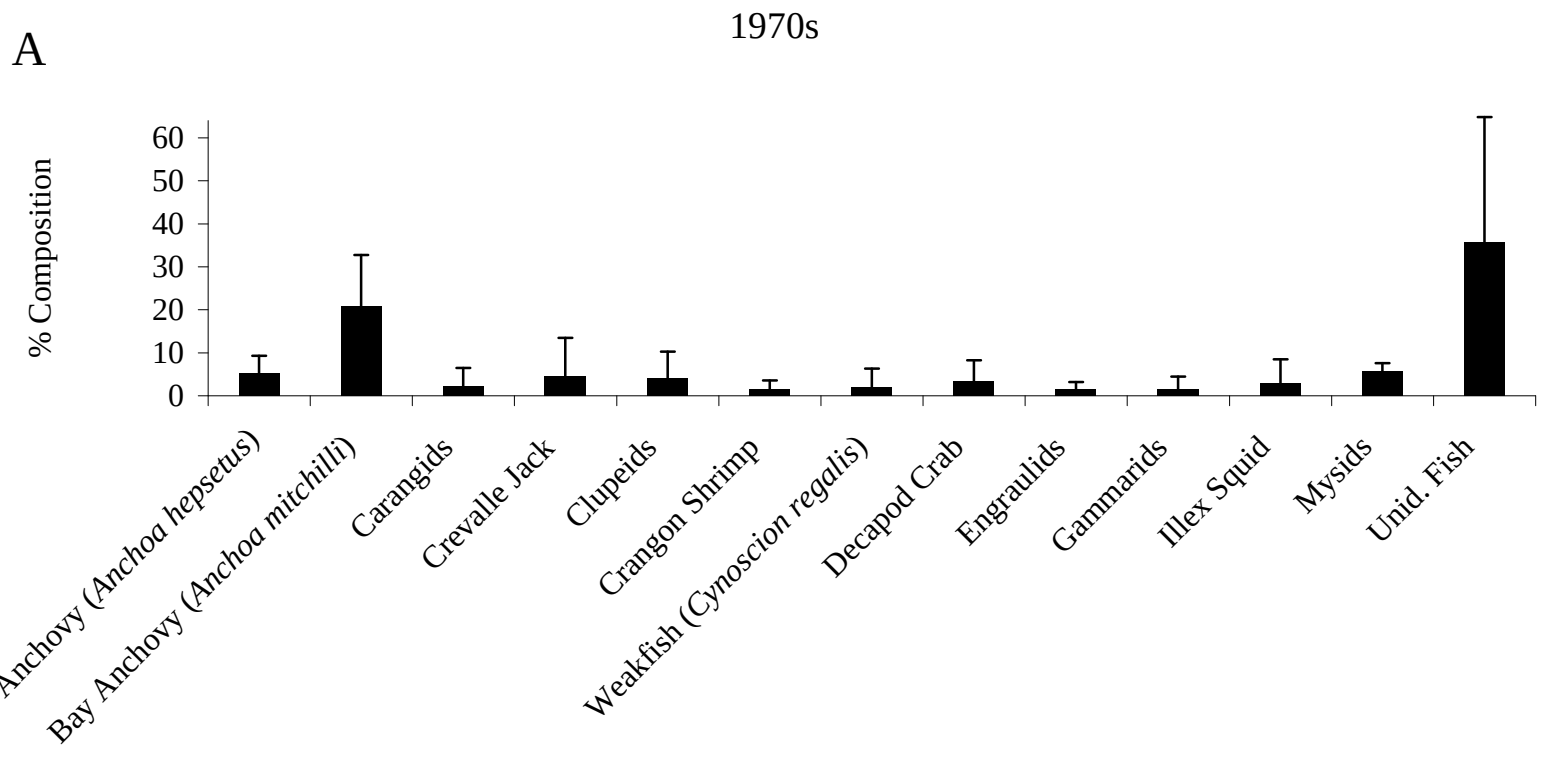

Figure 146A. Percent diet composition by weight of major prey taxa for weakfish (*Cynoscion regalis*) collected in the 1970s (n = 316). Unid. Fish = unidentified fish.

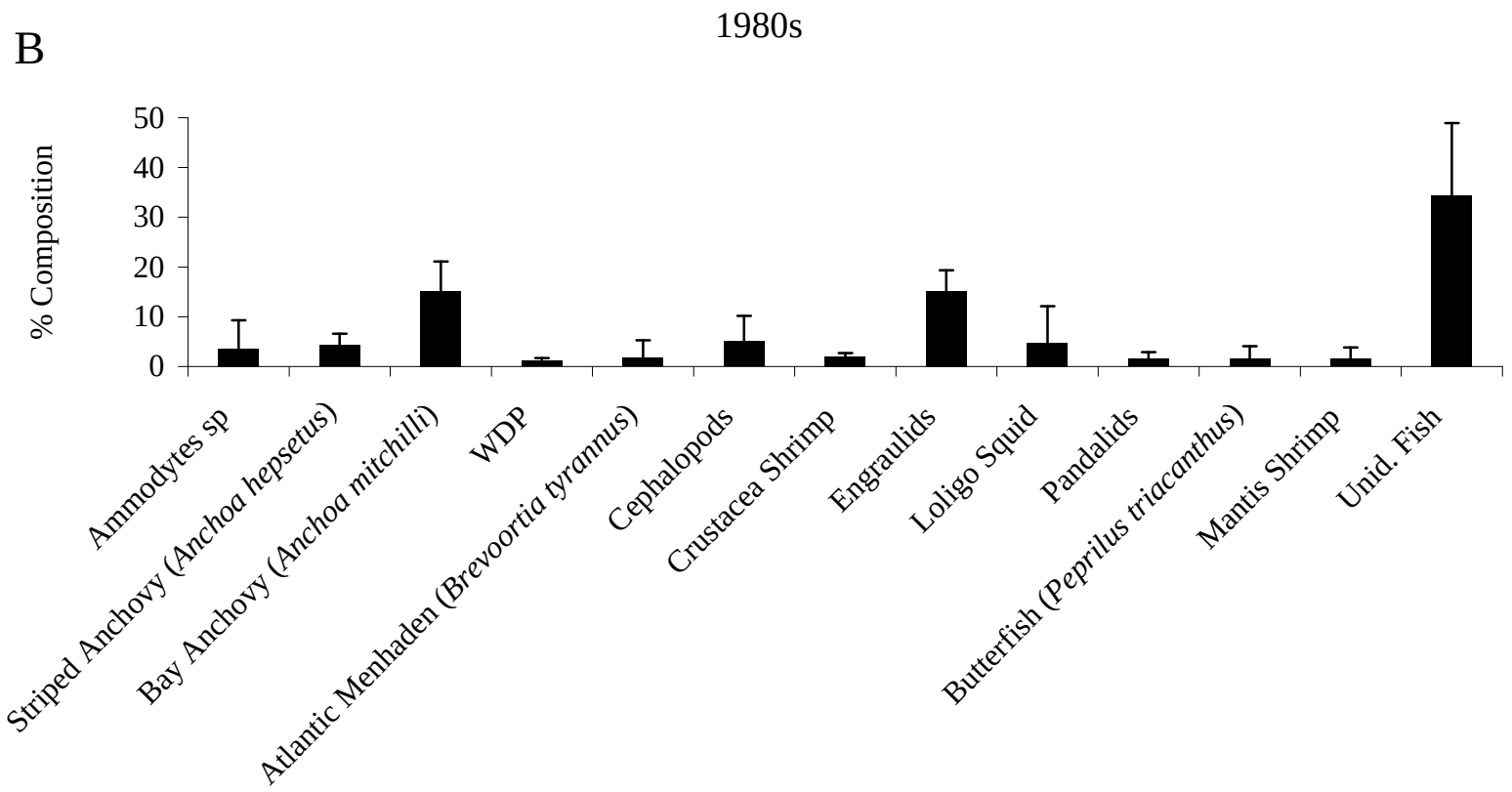

Figure 146B. Percent diet composition by weight of major prey taxa for weakfish (*Cynoscion regalis*) collected in the 1980s (n = 739). WDP = well-digested prey; Unid. Fish = unidentified fish.

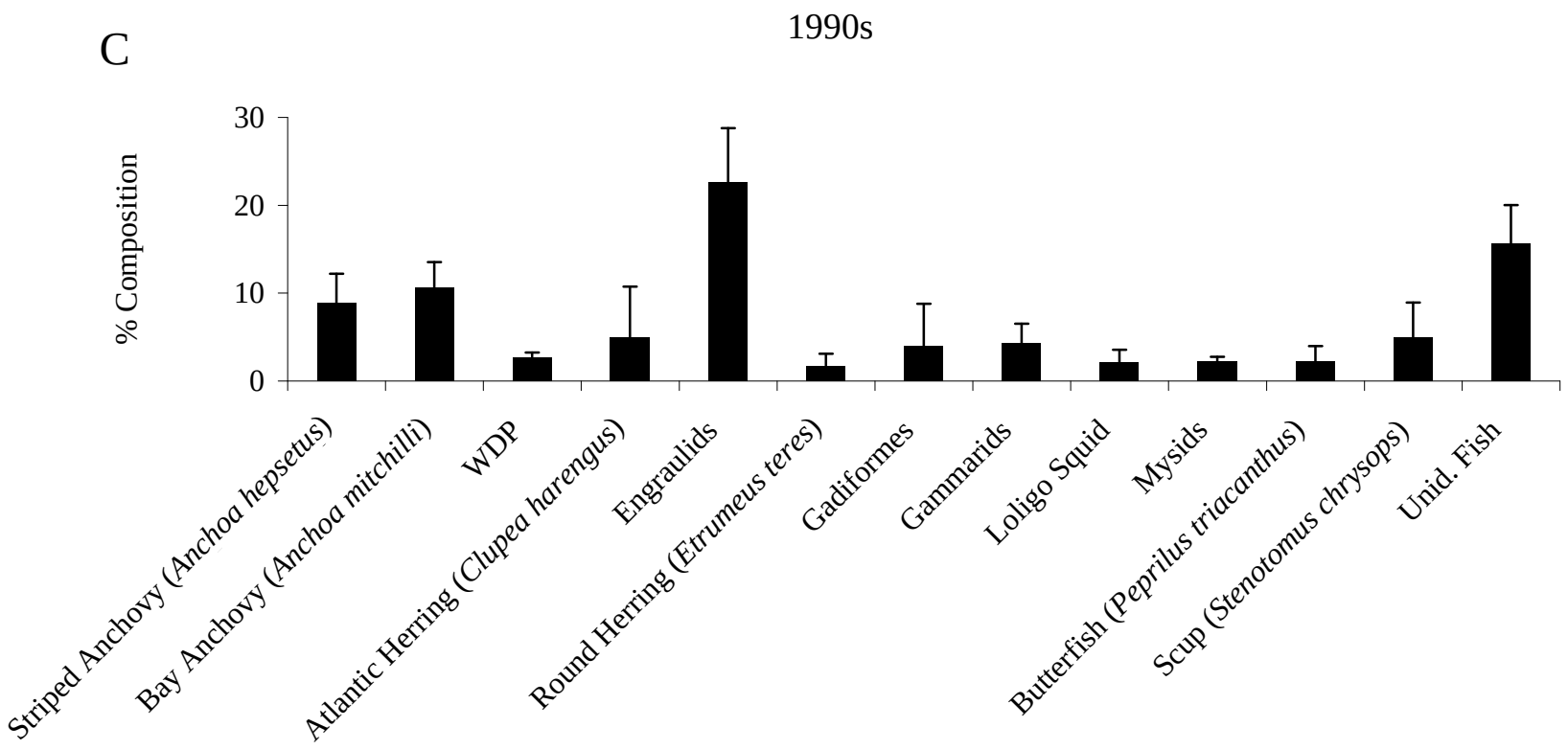

Figure 146C. Percent diet composition by weight of major prey taxa for weakfish (*Cynoscion regalis*) collected in the 1990s (n = 2,575). WDP = well-digested prey; Unid. Fish = unidentified fish.

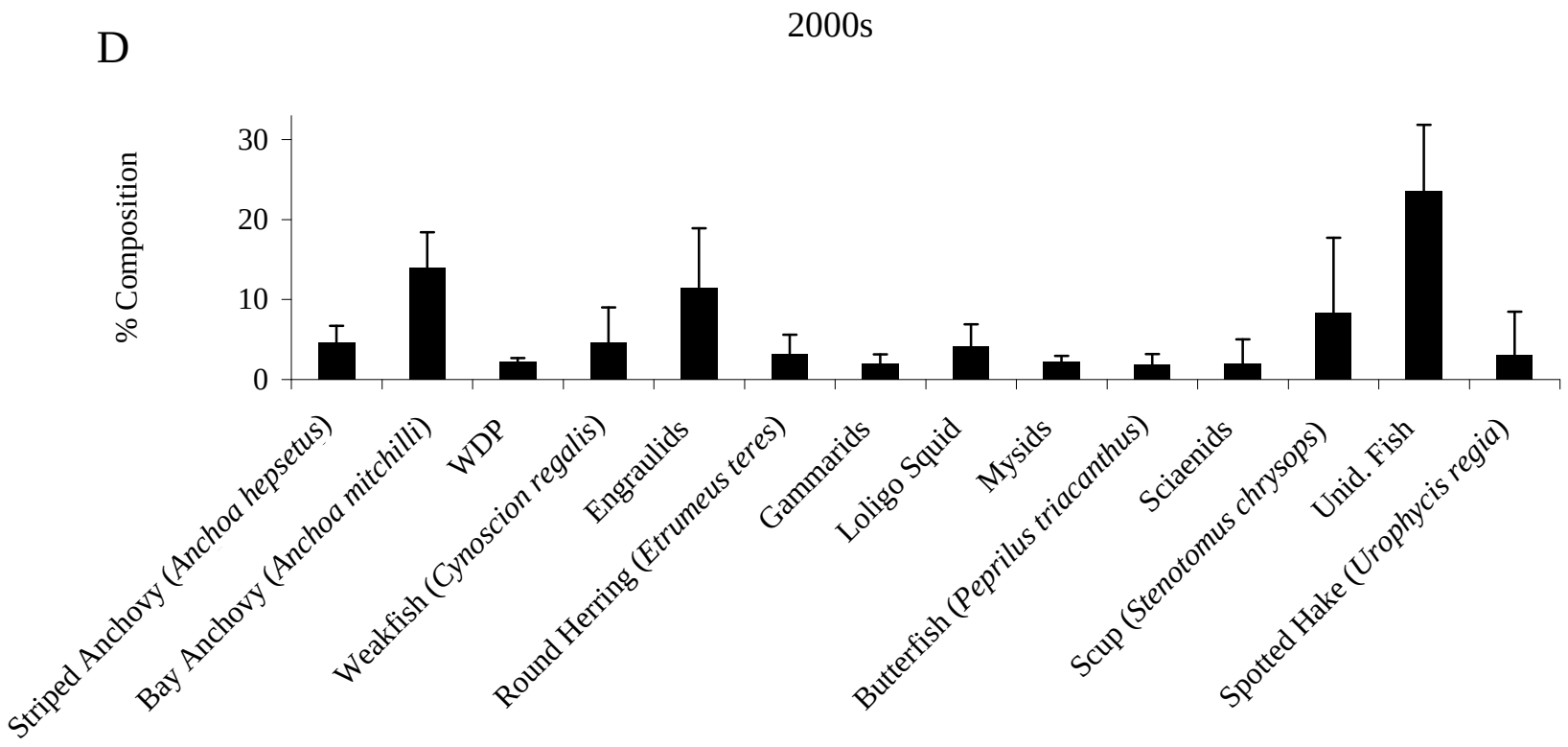

Figure 146D. Percent diet composition by weight of major prey taxa for weakfish (*Cynoscion regalis*) collected in the 2000s (n = 1,487). WDP = well-digested prey; Unid. Fish = unidentified fish.

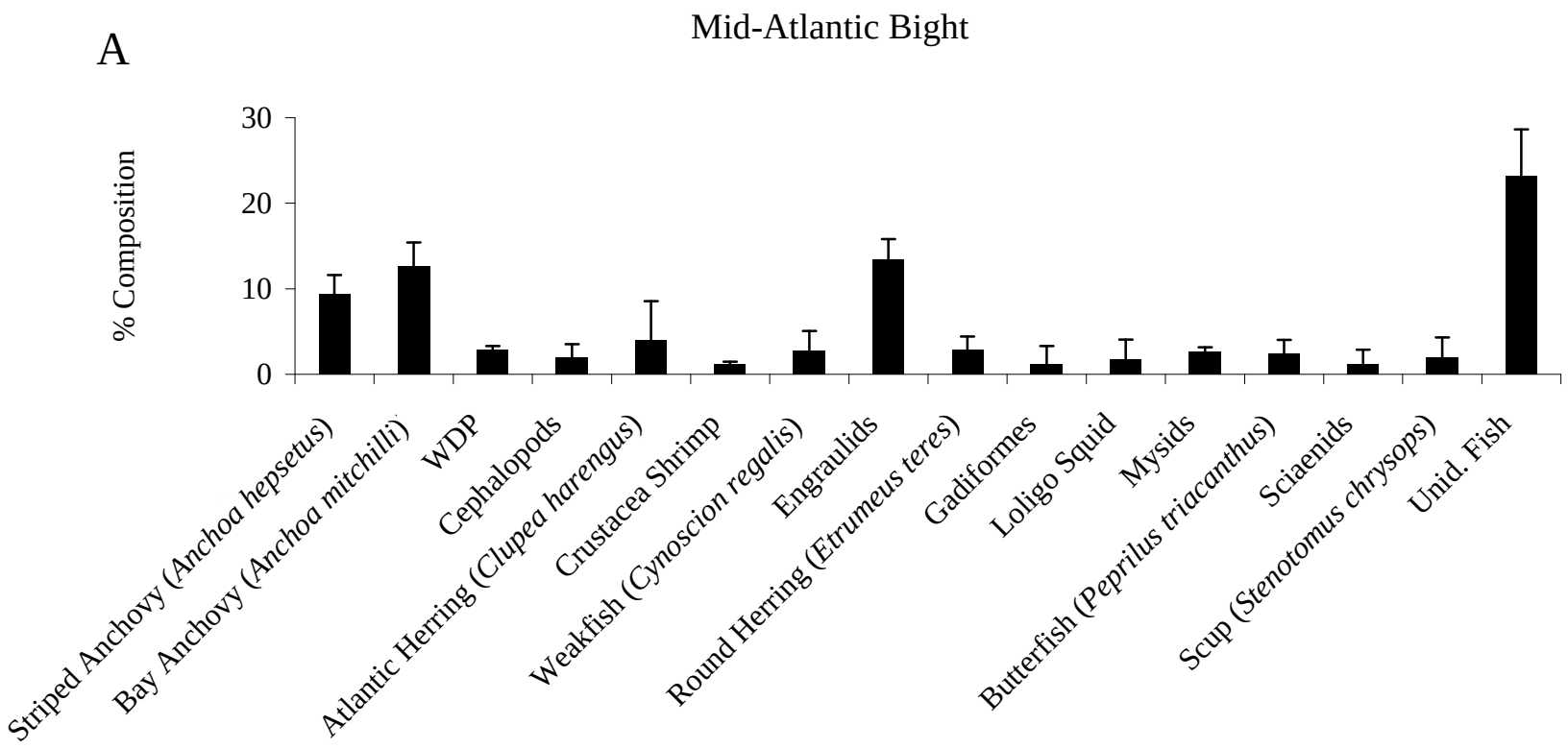

Figure 147A. Percent diet composition by weight of major prey taxa for weakfish (*Cynoscion regalis*) collected in the Mid-Atlantic Bight (n = 4,014). WDP = well-digested prey; Unid. Fish = unidentified fish.

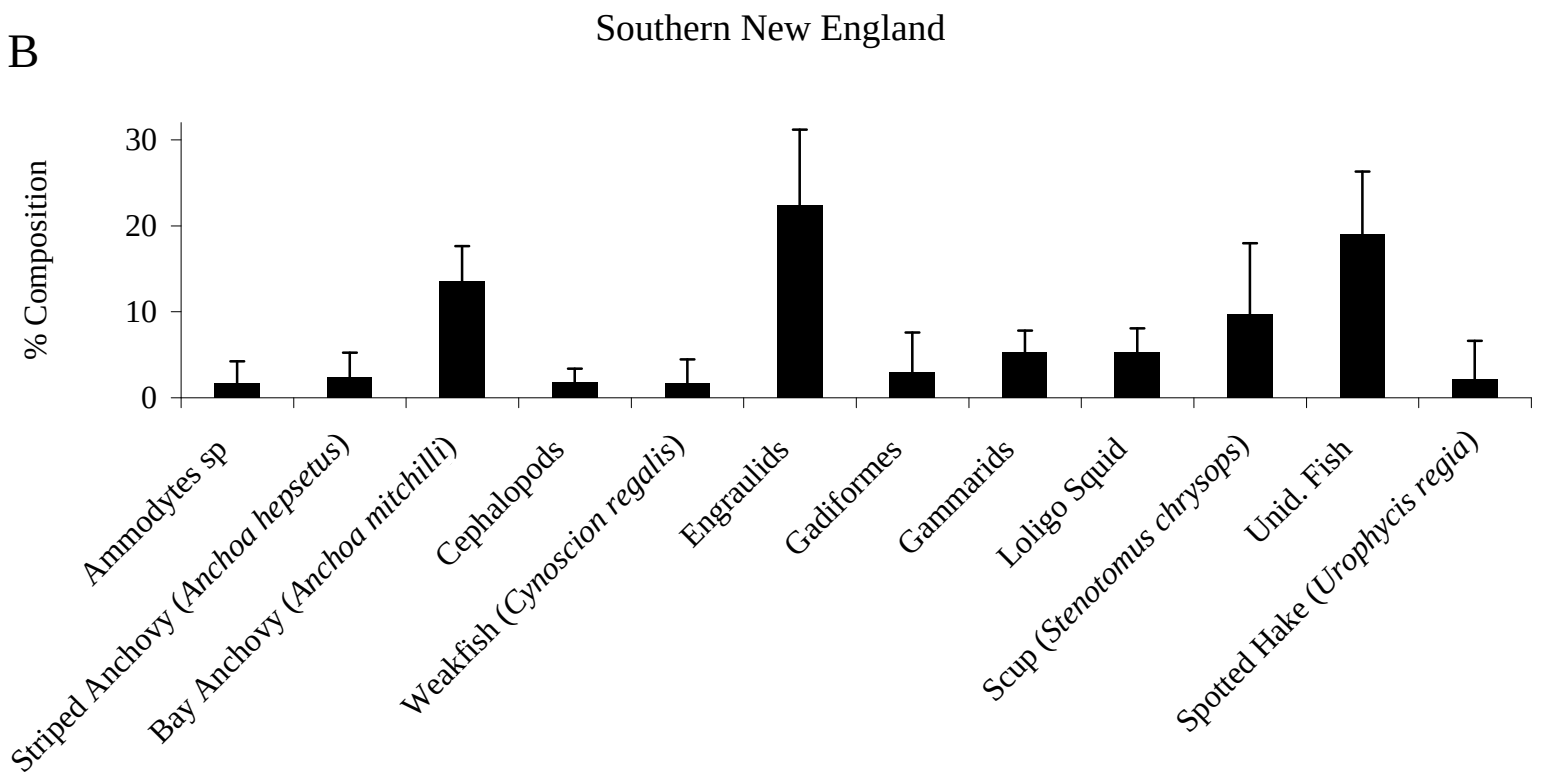

Figure 147B. Percent diet composition by weight of major prey taxa for weakfish (*Cynoscion regalis*) collected in Southern New England (n = 740). Unid. Fish = unidentified fish.

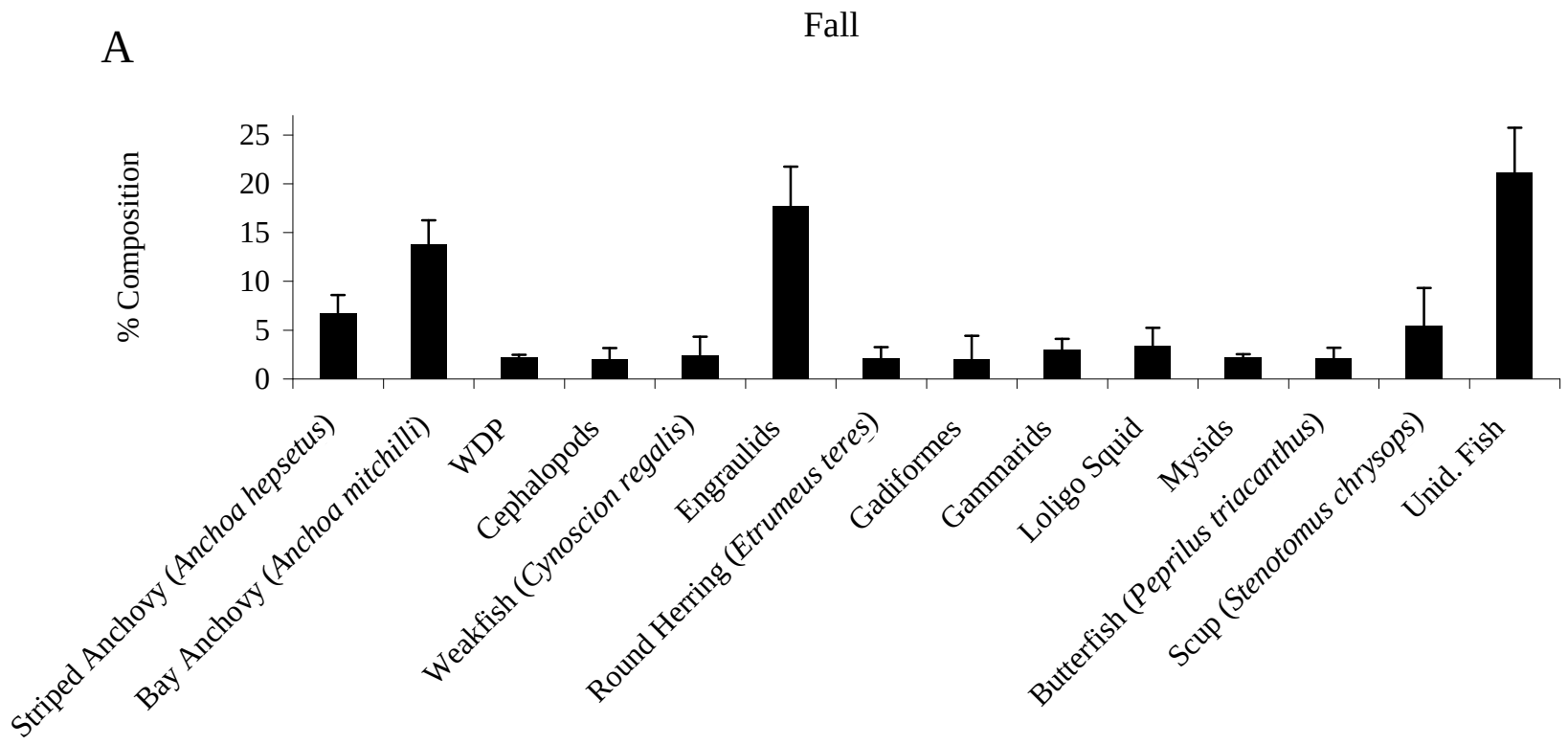

Figure 148A. Percent diet composition by weight of major prey taxa for weakfish (*Cynoscion regalis*) collected in the fall (n = 4,433). WDP = well-digested prey; Unid. Fish = unidentified fish.

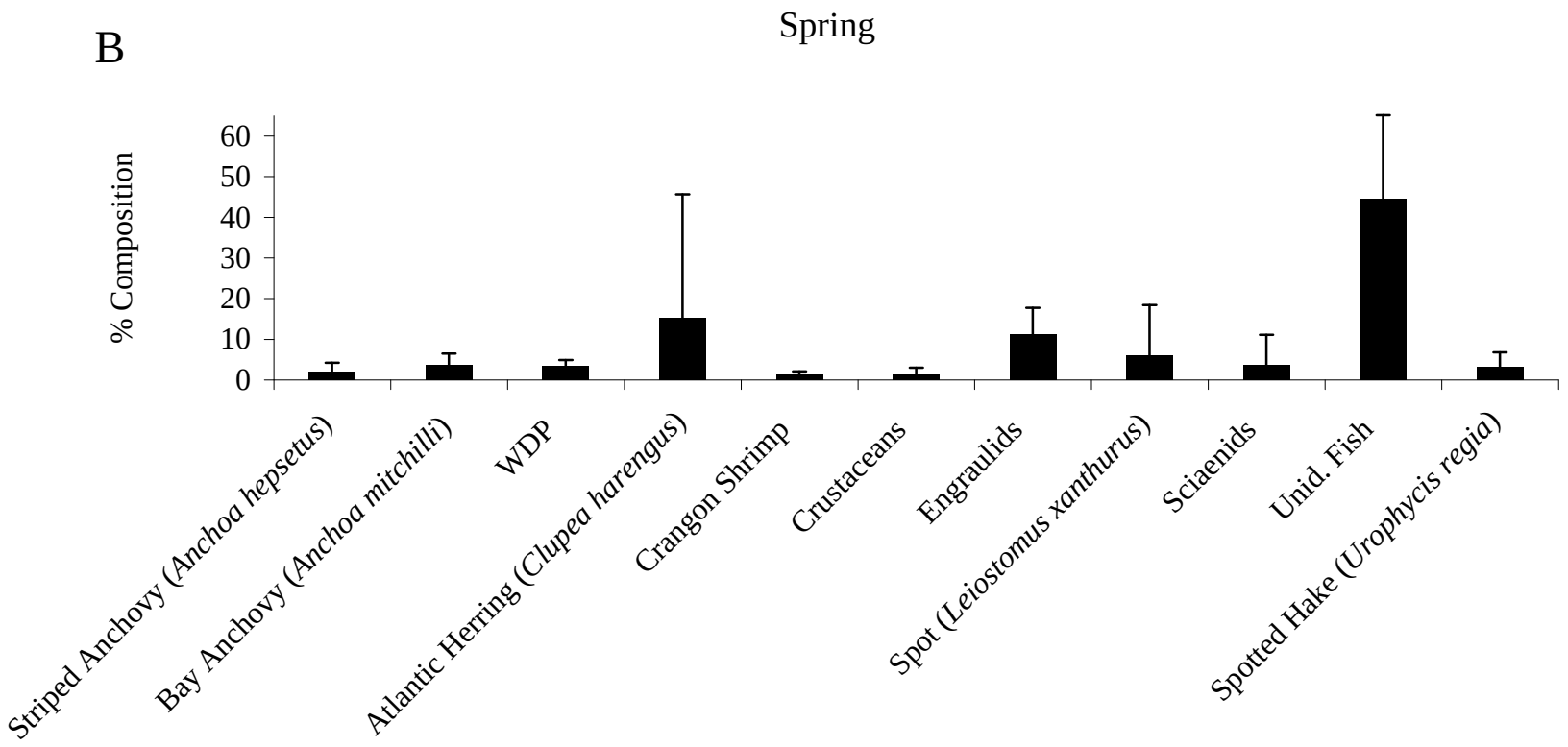

Figure 148B. Percent diet composition by weight of major prey taxa for weakfish (*Cynoscion regalis*) collected in the spring (n = 532). WDP = well-digested prey; Unid. Fish = unidentified fish.

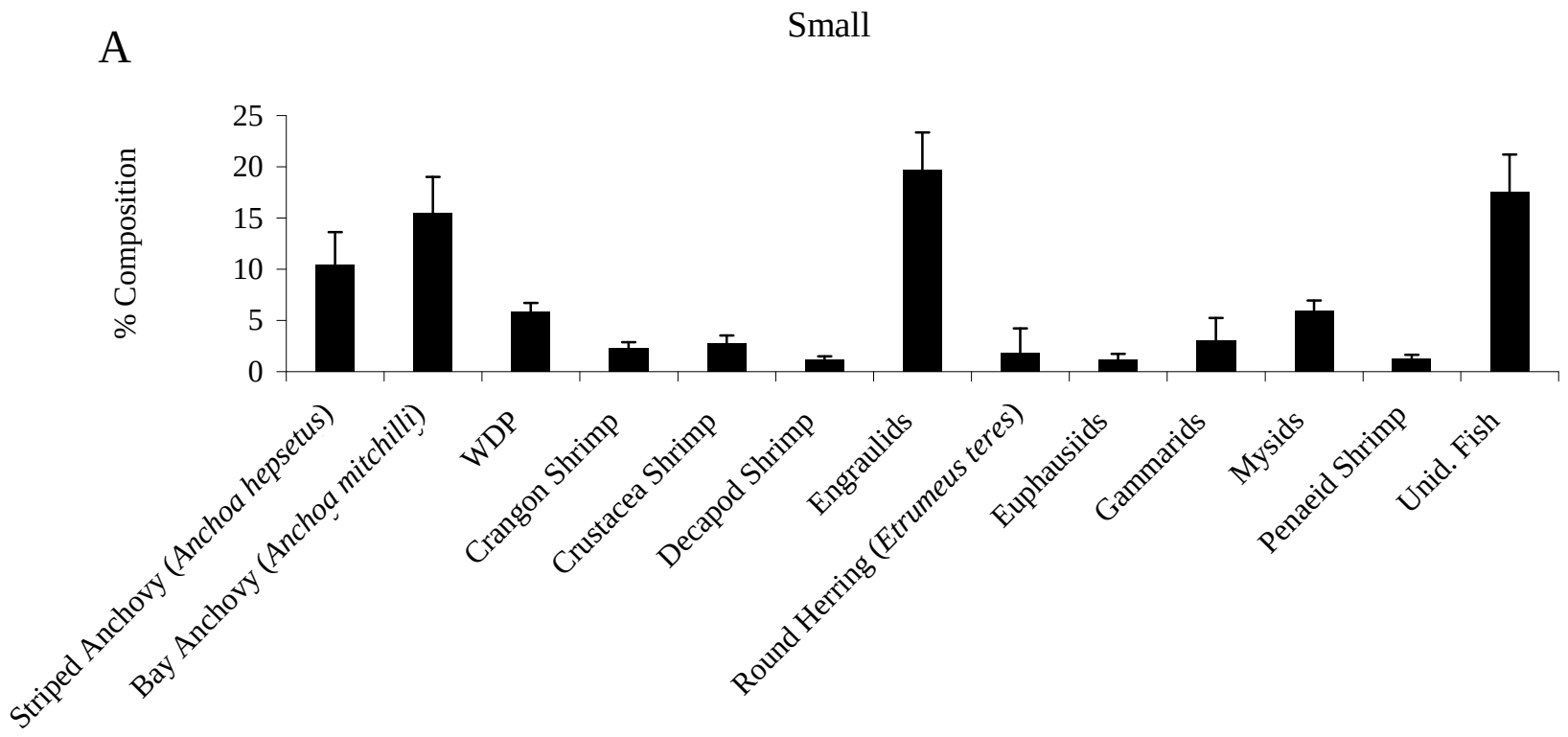

Figure 149A. Percent diet composition by weight of major prey taxa for weakfish (*Cynoscion regalis*) in the small size class (n = 2,925). WDP = well-digested prey; Unid. Fish = unidentified fish.

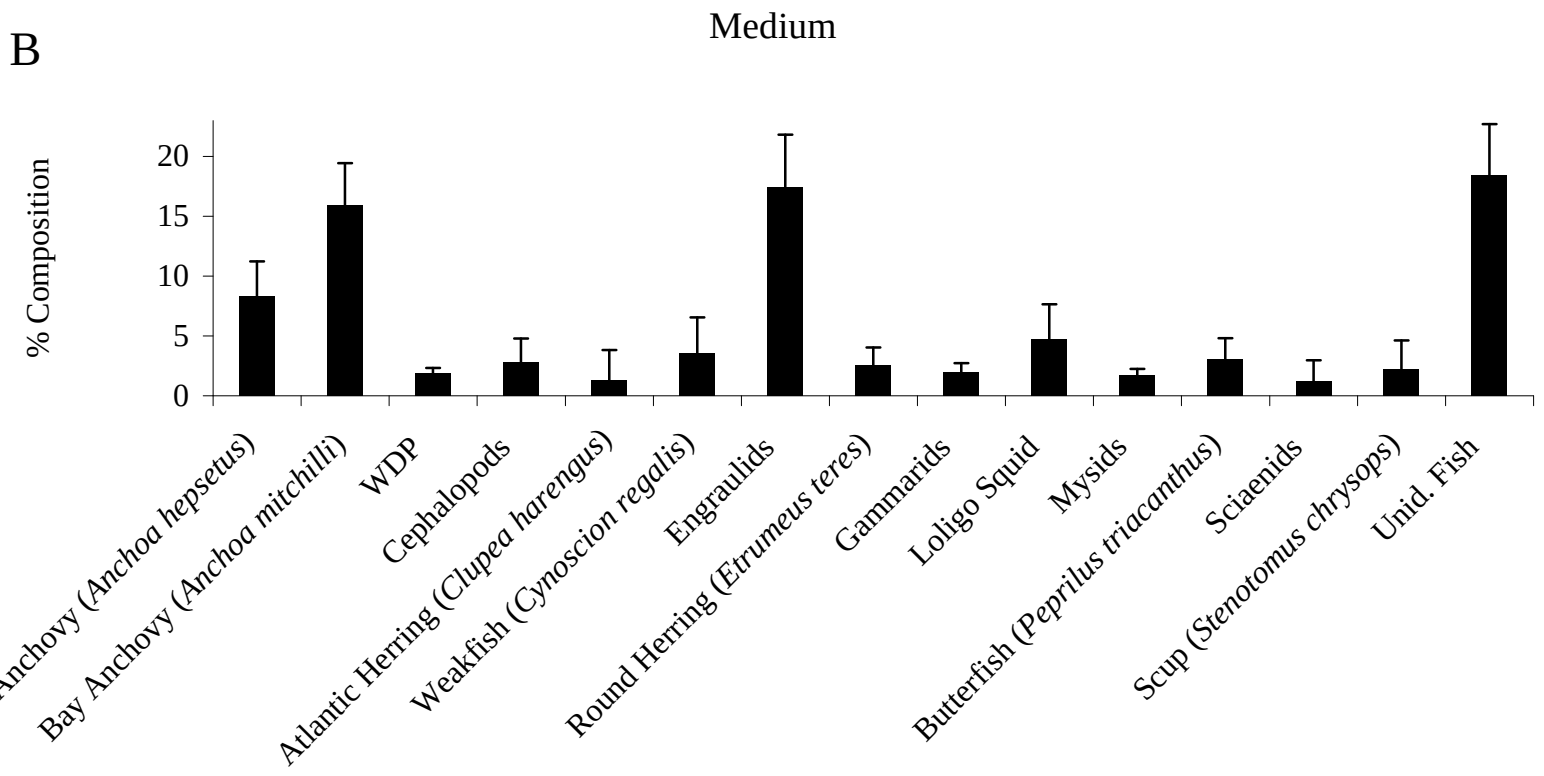

Figure 149B. Percent diet composition by weight of major prey taxa for weakfish (*Cynoscion regalis*) in the medium size class (n = 1,989). WDP = well-digested prey; Unid. Fish = unidentified fish.

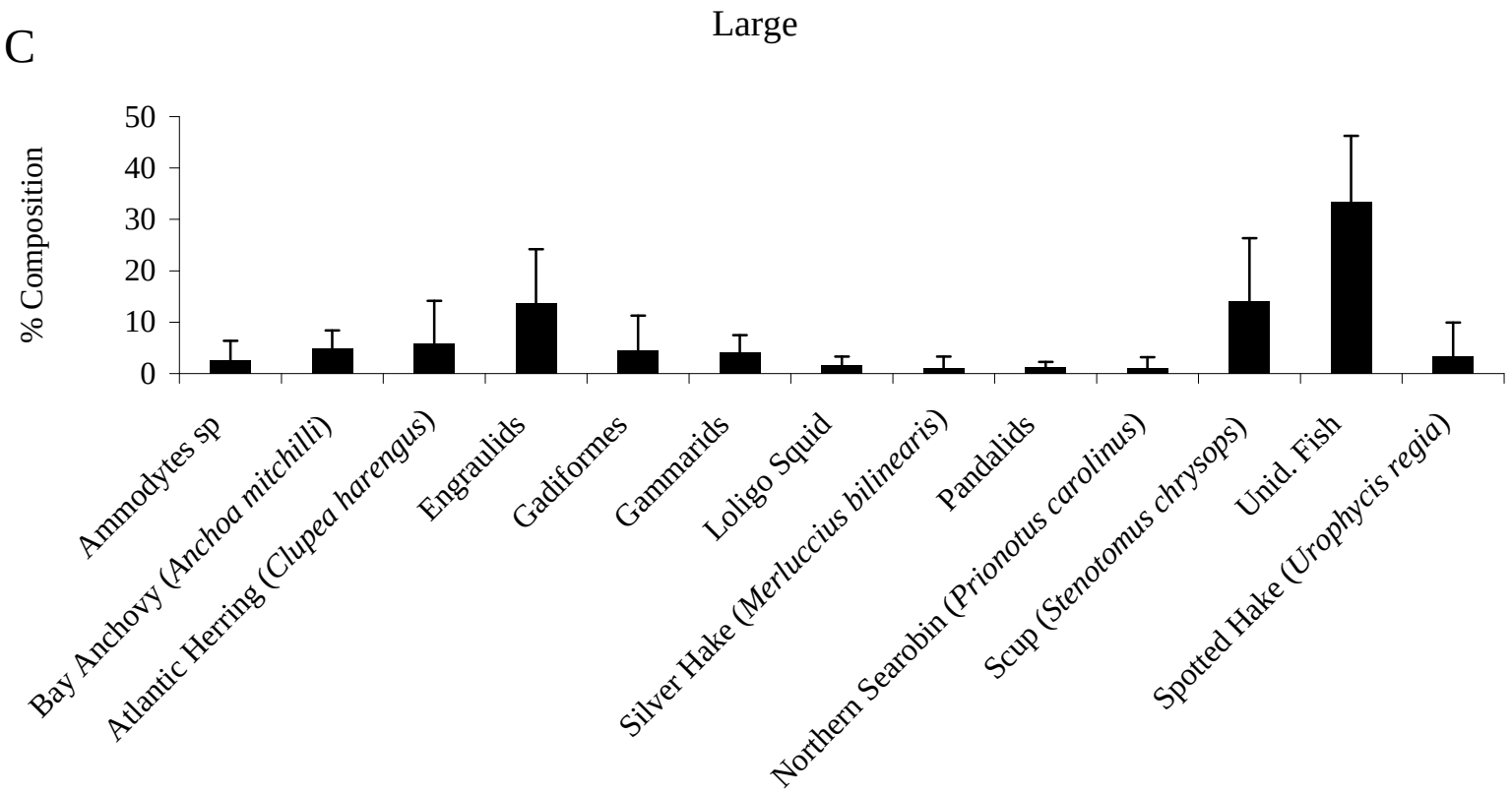

Figure 149C. Percent diet composition by weight of major prey taxa for weakfish (*Cynoscion regalis*) in the large size class (n = 203). Unid. Fish = unidentified fish.

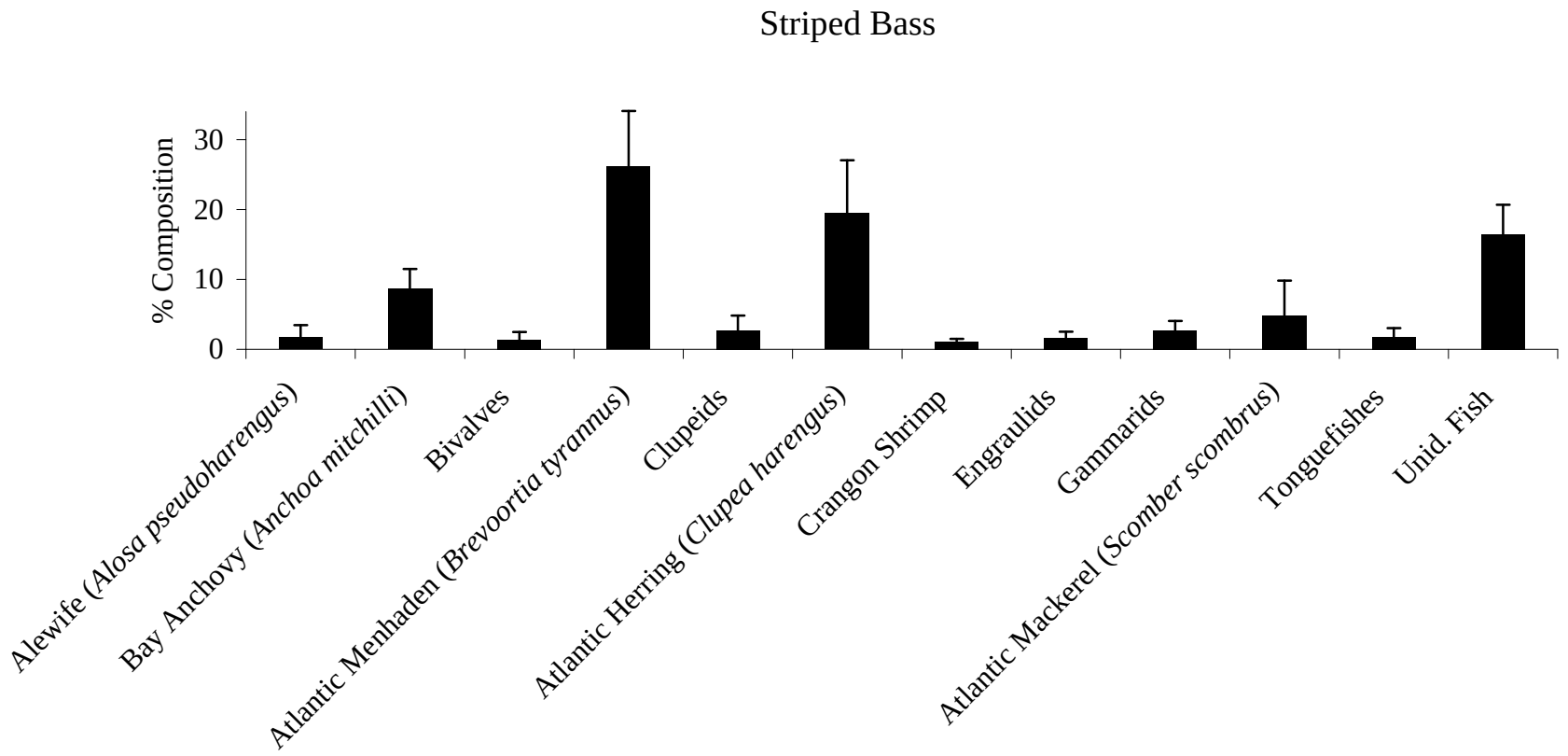

Figure 150. Percent diet composition by weight of major prey taxa for striped bass (*Morone saxatilis*; n = 1,089). Unid. Fish = unidentified fish.

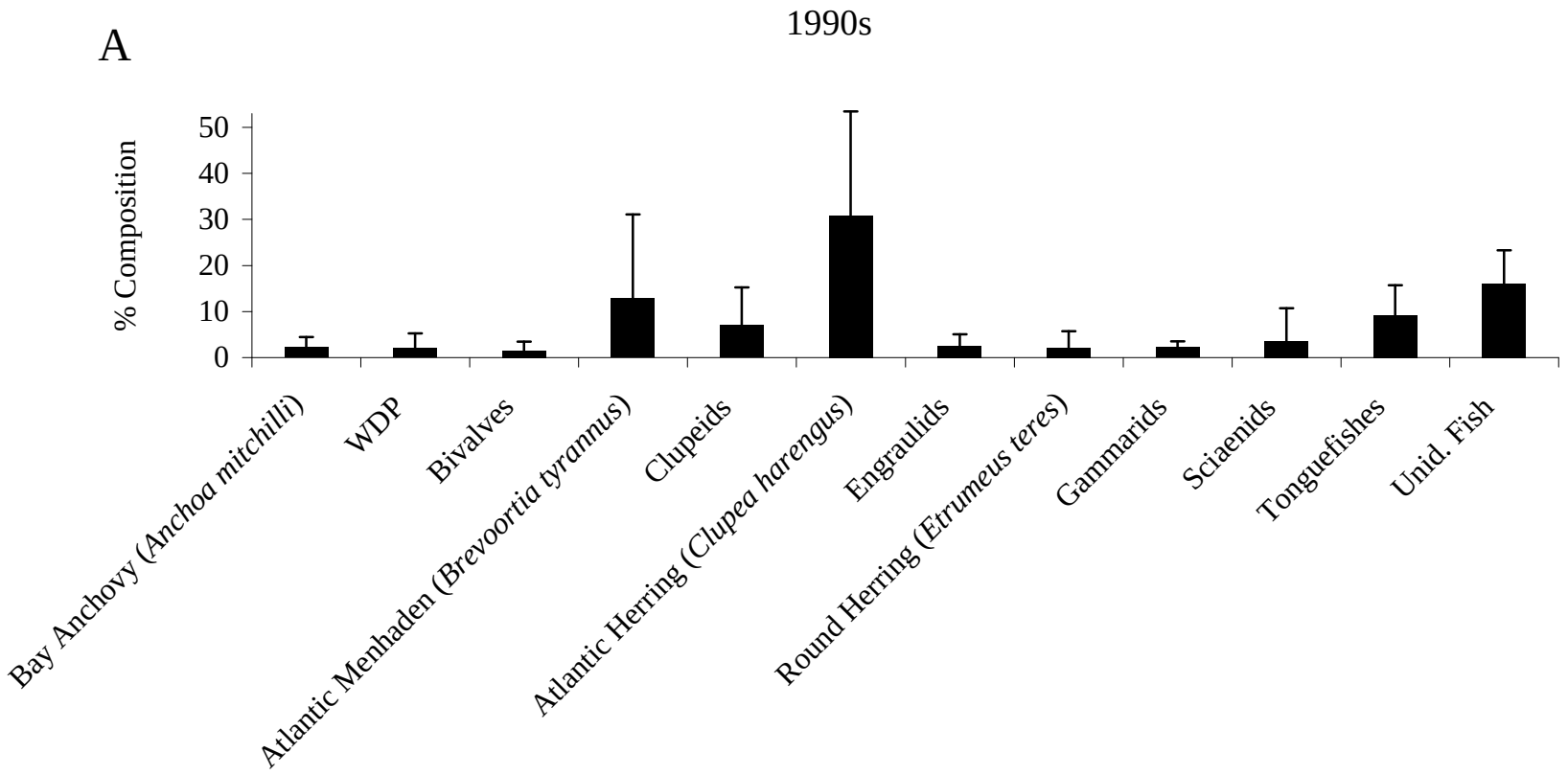

Figure 151A. Percent diet composition by weight of major prey taxa for striped bass (*Morone saxatilis*) collected in the 1990s (n = 261). WDP = well-digested prey; Unid. Fish = unidentified fish.

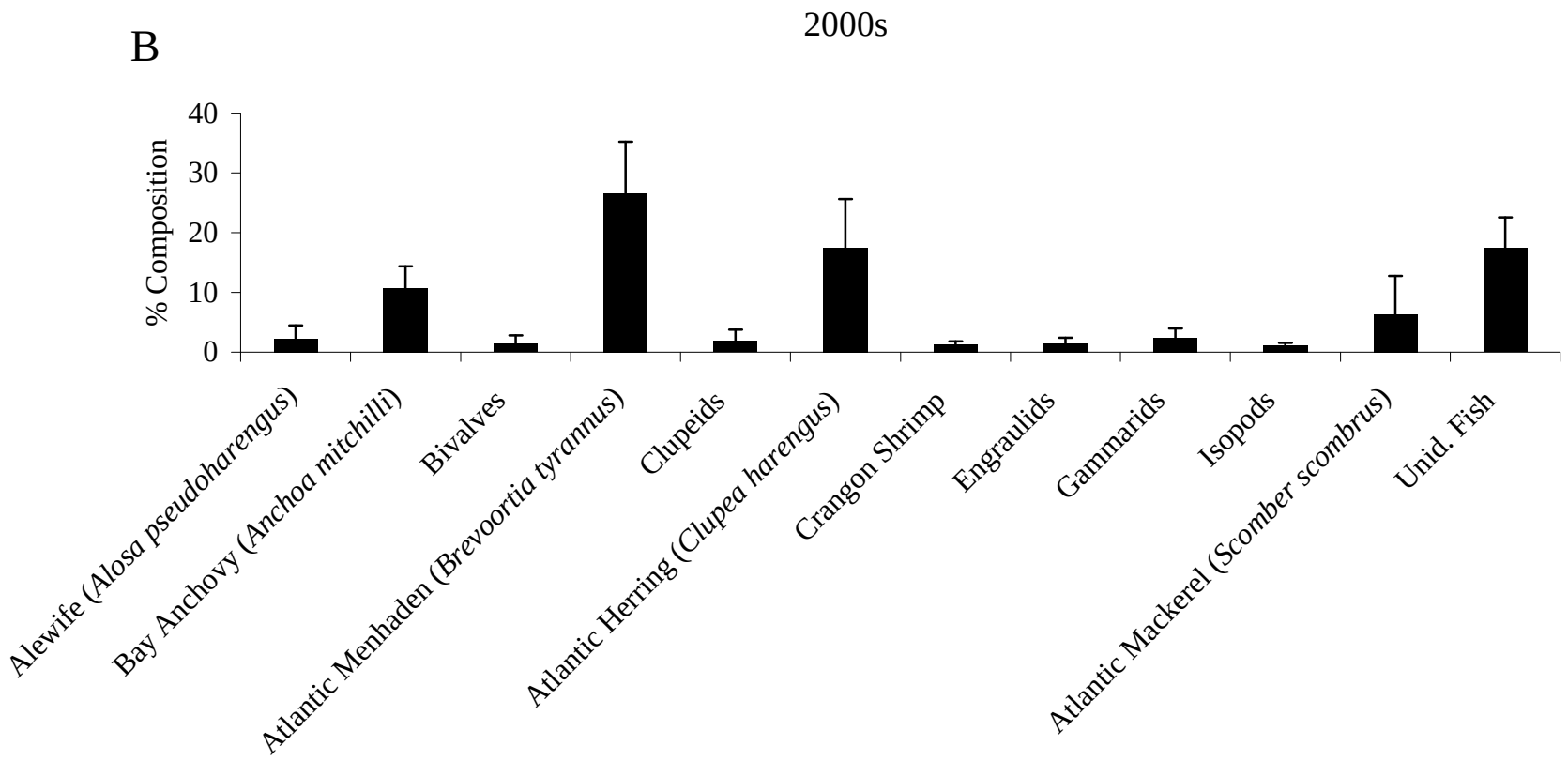

Figure 151B. Percent diet composition by weight of major prey taxa for striped bass (*Morone saxatilis*) collected in the 2000s (n = 811). Unid. Fish = unidentified fish.

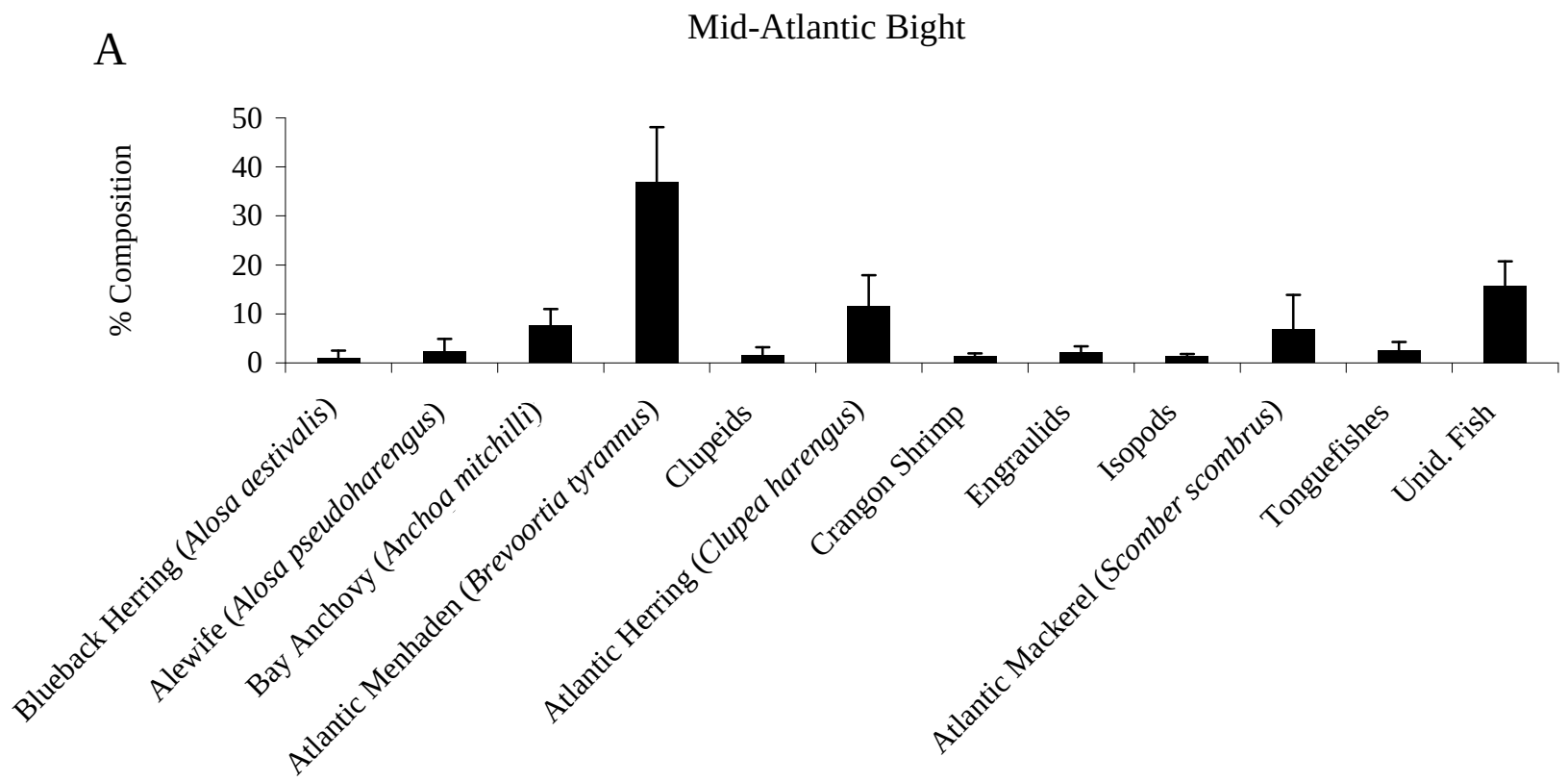

Figure 152A. Percent diet composition by weight of major prey taxa for striped bass (*Morone saxatilis*) collected in the Mid-Atlantic Bight (n = 764). Unid. Fish = unidentified fish.

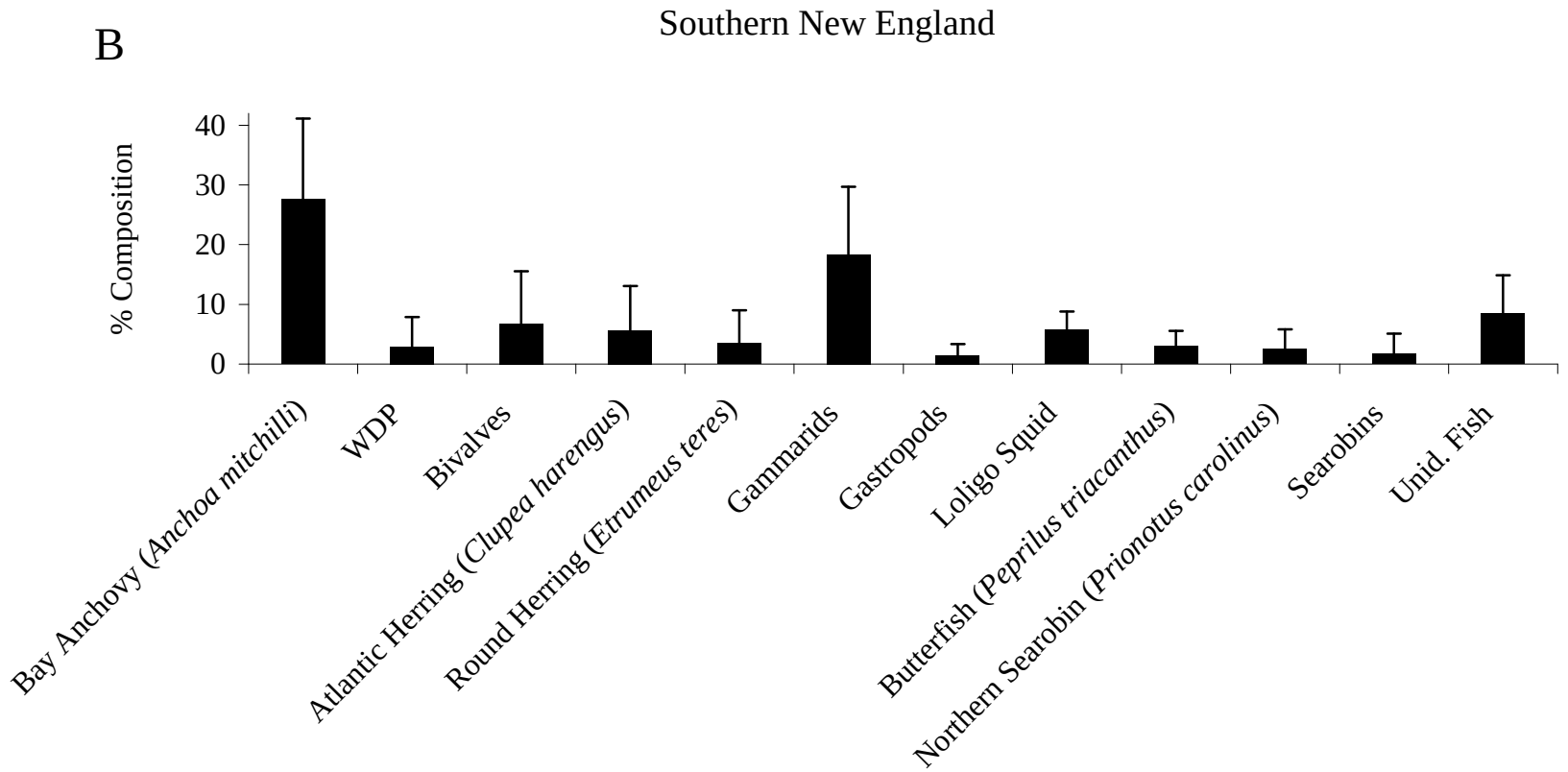

Figure 152B. Percent diet composition by weight of major prey taxa for striped bass (*Morone saxatilis*) collected in Southern New England (n = 220). WDP = well-digested prey; Unid. Fish = unidentified fish.

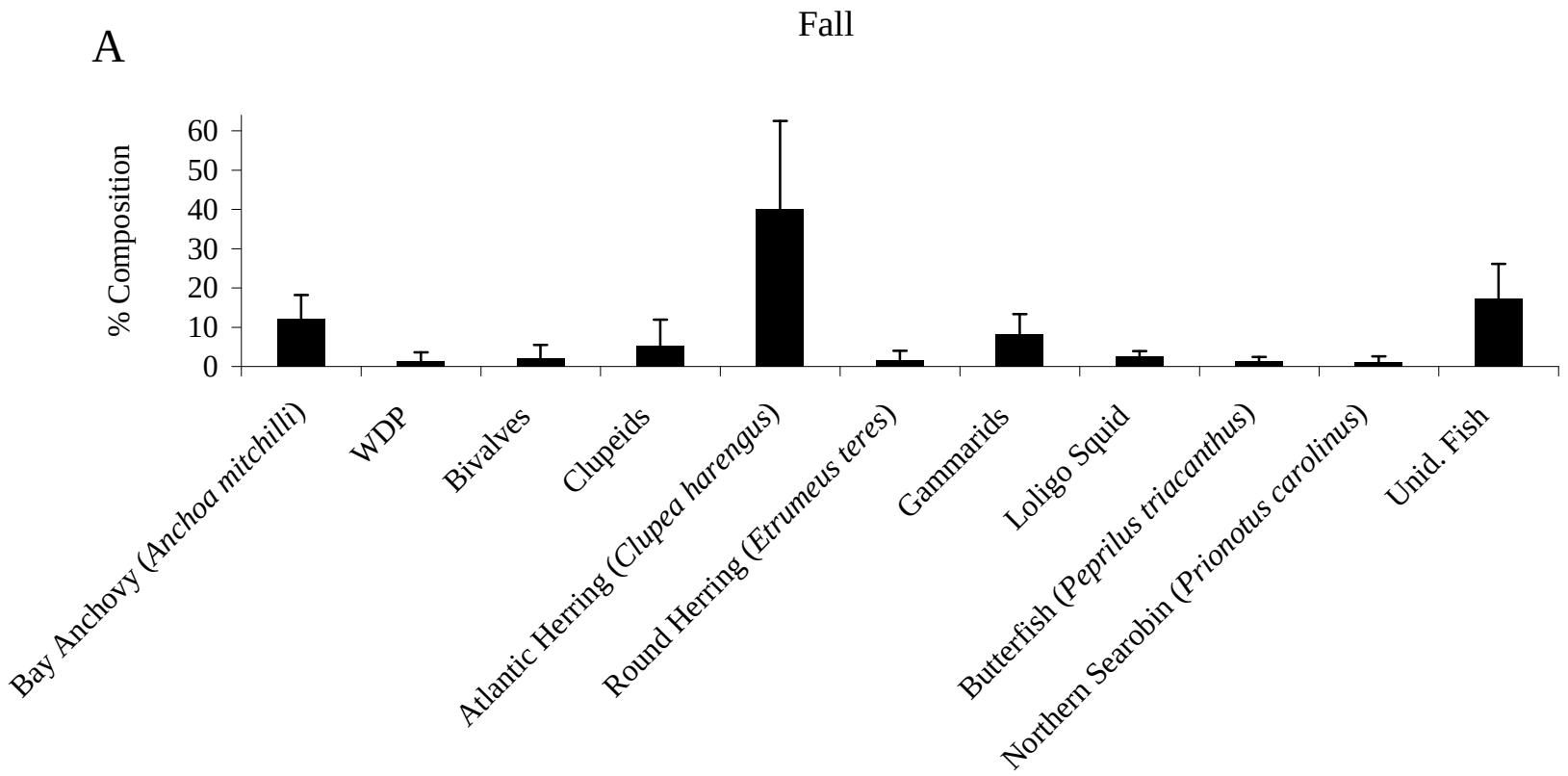

Figure 153A. Percent diet composition by weight of major prey taxa for striped bass (*Morone saxatilis*) collected in the fall (n = 243). WDP = well-digested prey; Unid. Fish = unidentified fish.

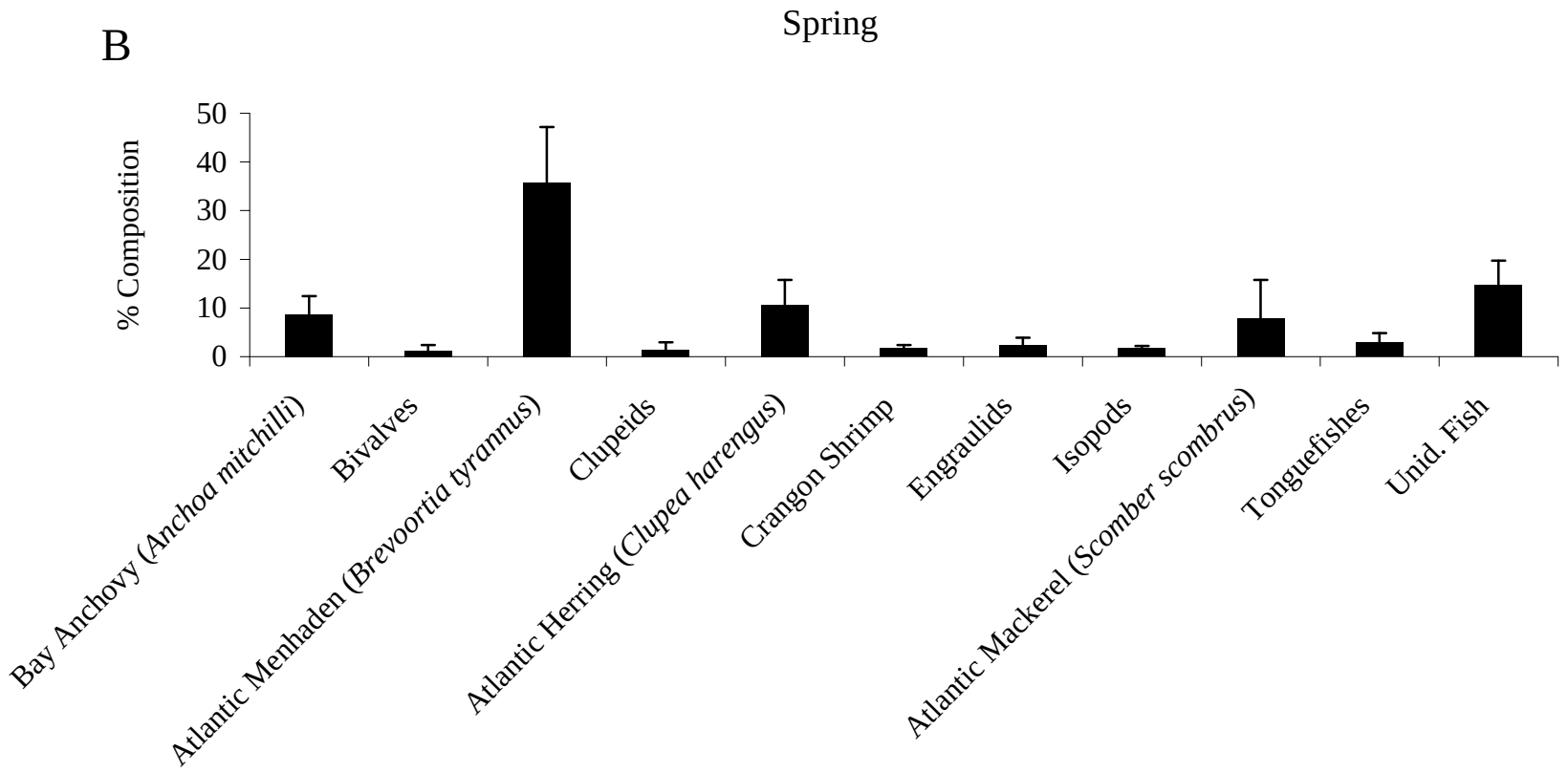

Figure 153B. Percent diet composition by weight of major prey taxa for striped bass (*Morone saxatilis*) collected in the spring (n = 772). Unid. Fish = unidentified fish.

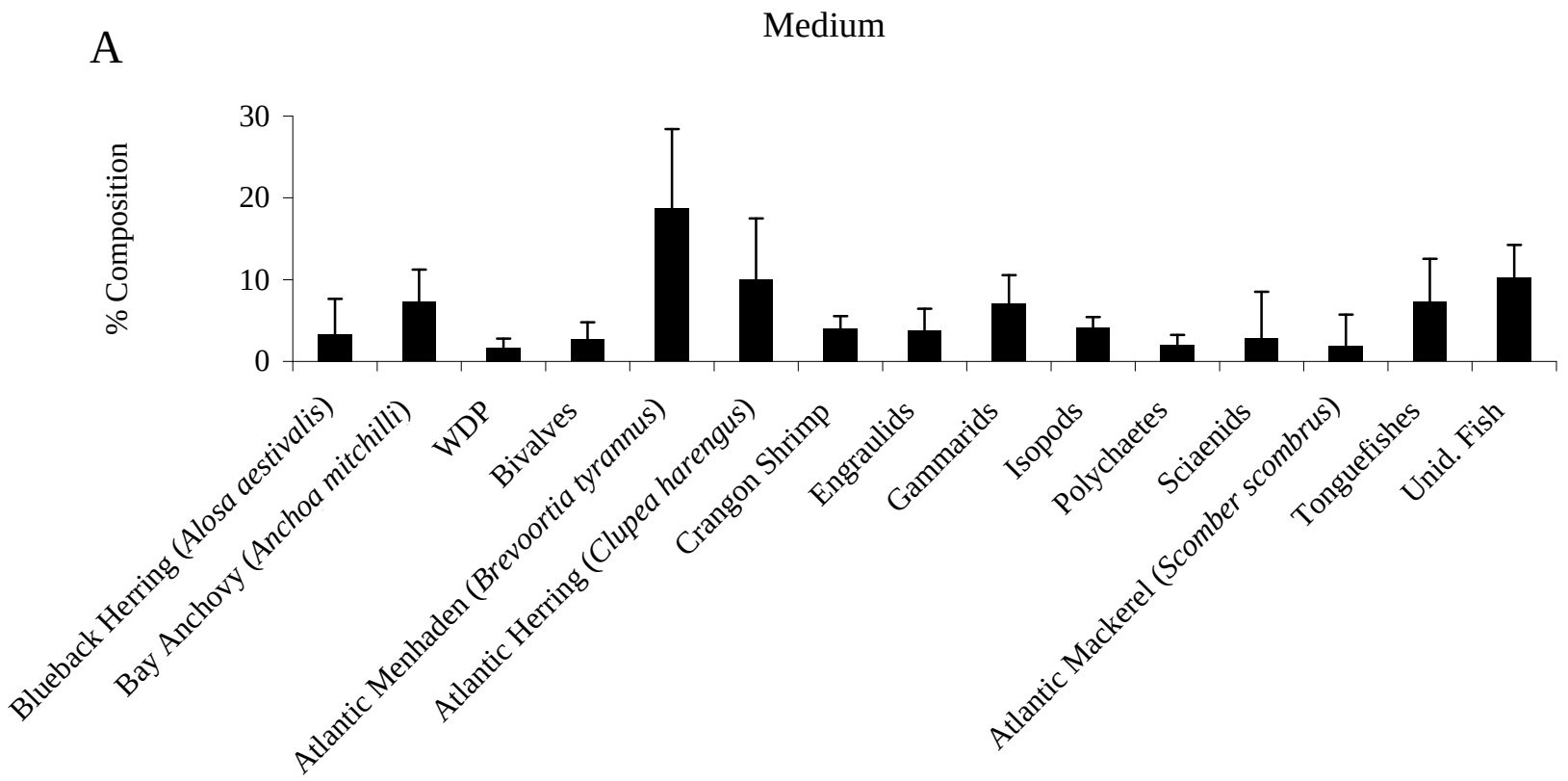

Figure 154A. Percent diet composition by weight of major prey taxa for striped bass (*Morone saxatilis*) in the medium size class (n = 604). WDP = well-digested prey; Unid. Fish = unidentified fish.

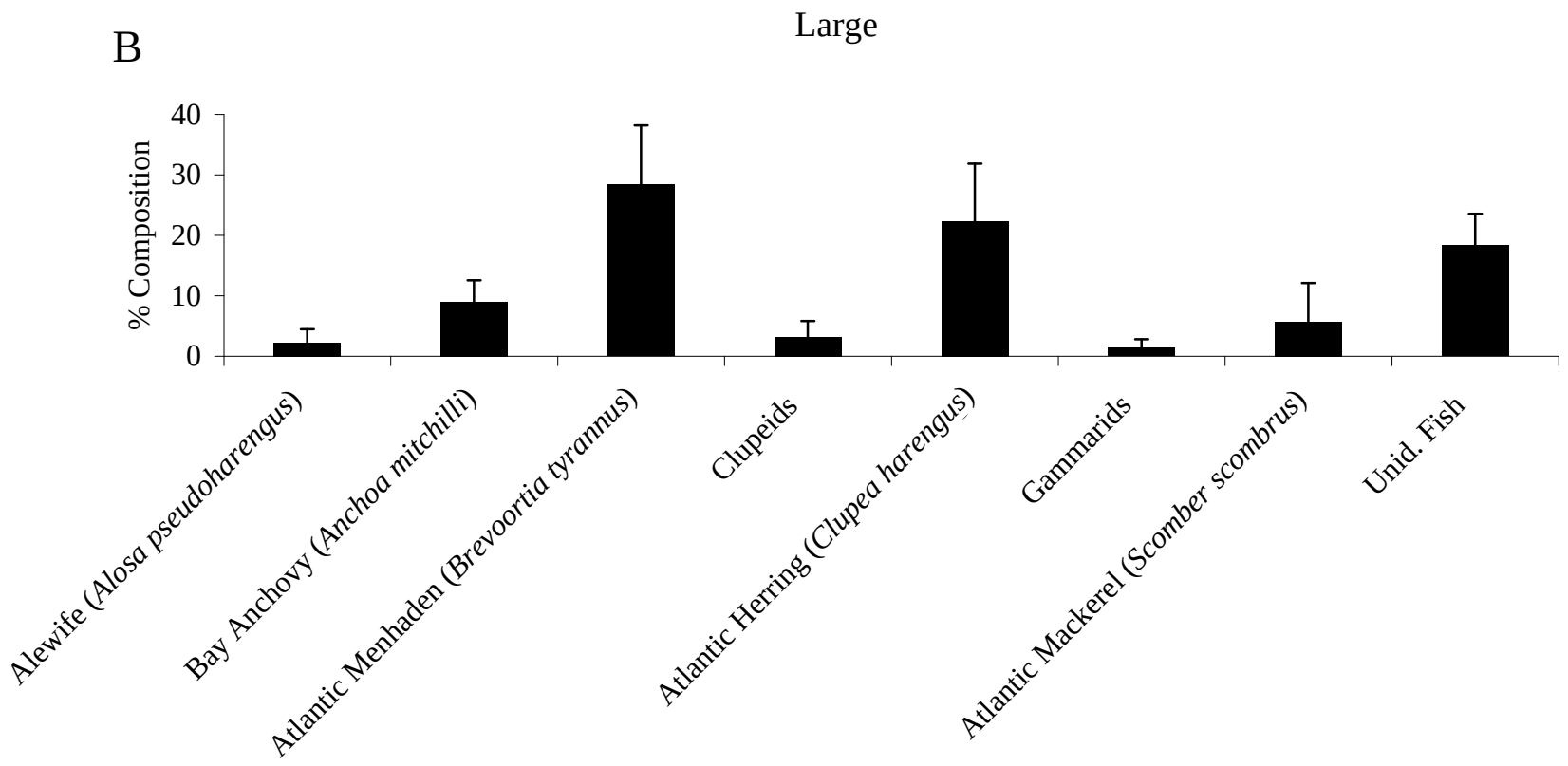

Figure 154B. Percent diet composition by weight of major prey taxa for striped bass (*Morone saxatilis*) in the large size class (n = 435). Unid. Fish = unidentified fish.

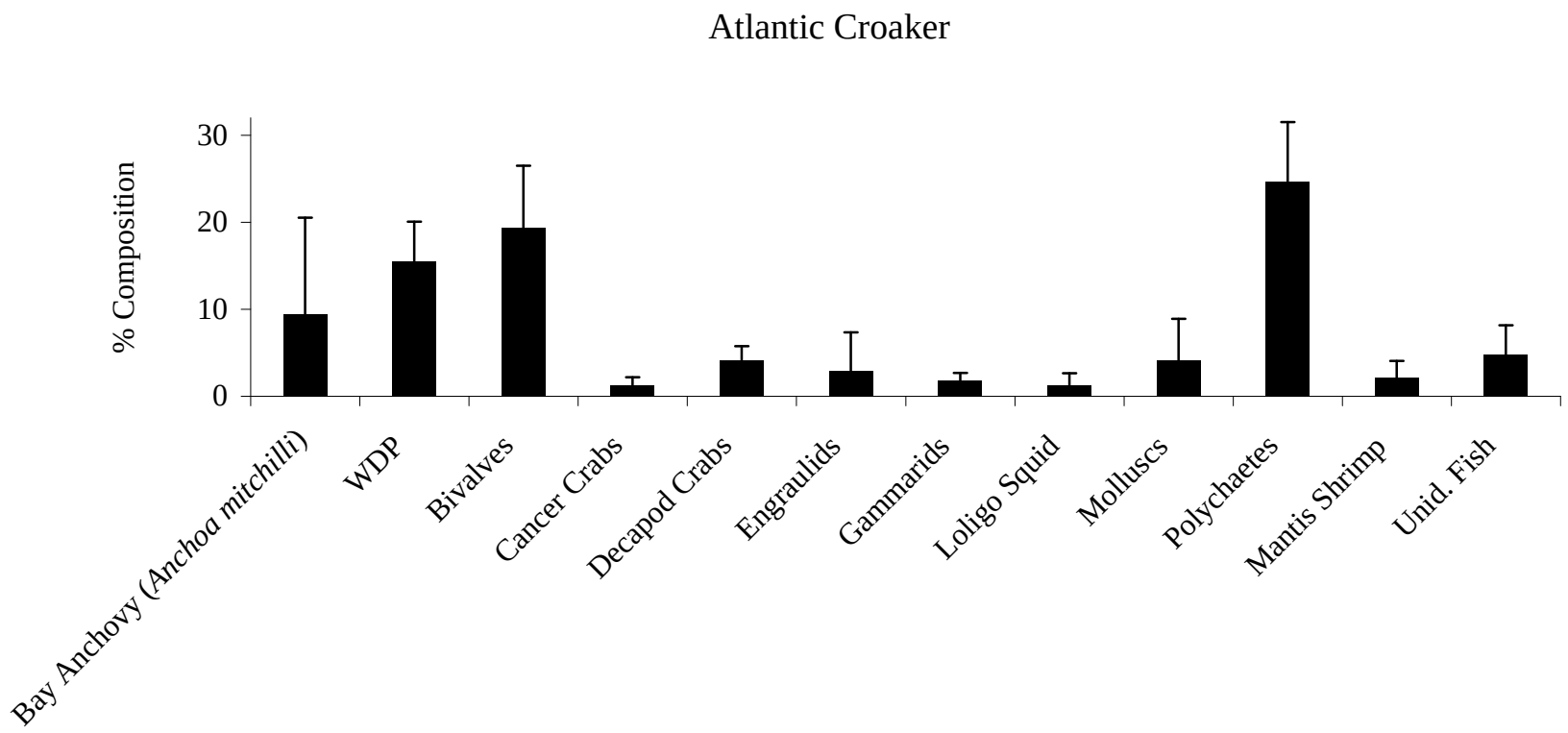

Figure 155. Percent diet composition by weight of major prey taxa for Atlantic croaker (*Micropogonias undulatus*; n = 924). WDP = well-digested prey; Unid. Fish = unidentified fish.

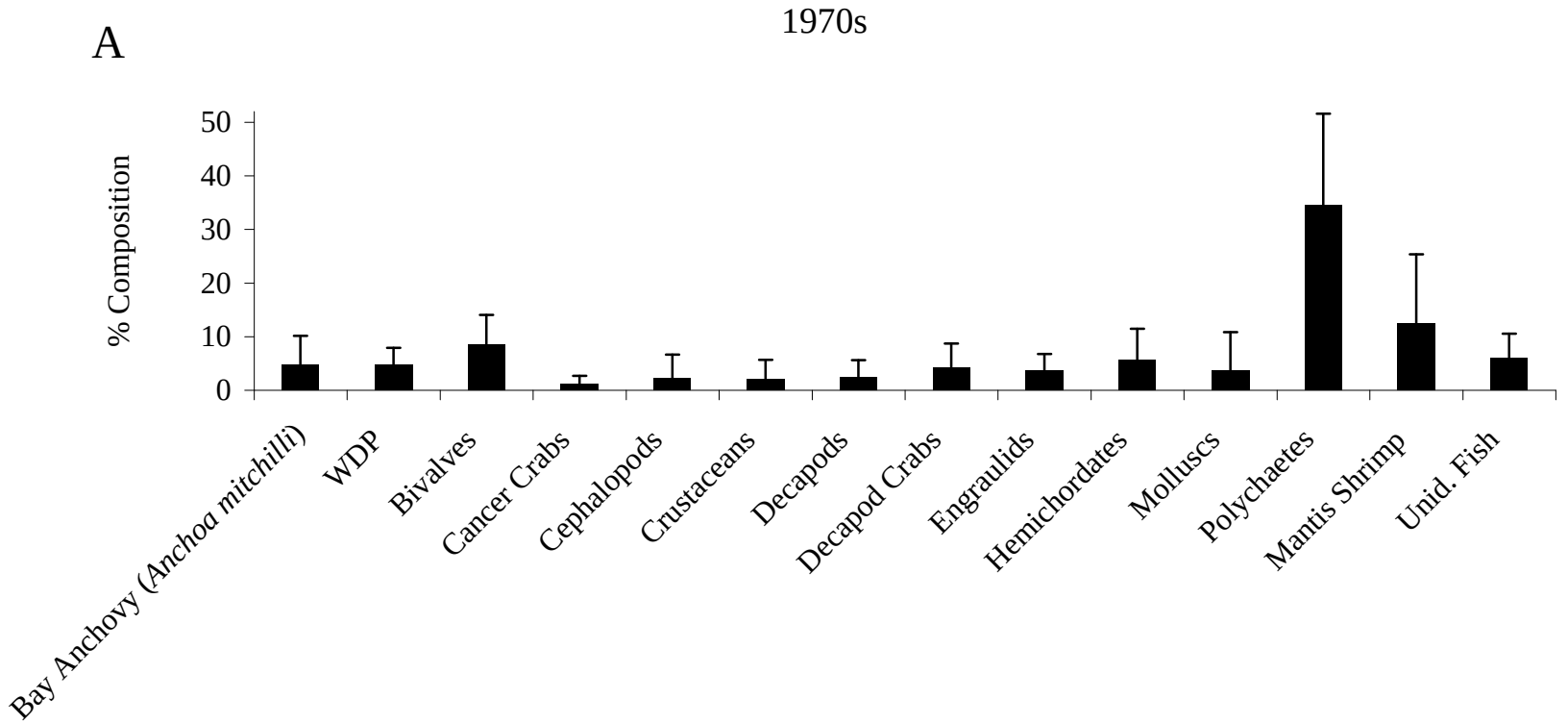

Figure 156A. Percent diet composition by weight of major prey taxa for Atlantic croaker (*Micropogonias undulatus*) collected in the 1970s (n = 205). WDP = well-digested prey; Unid. Fish = unidentified fish.

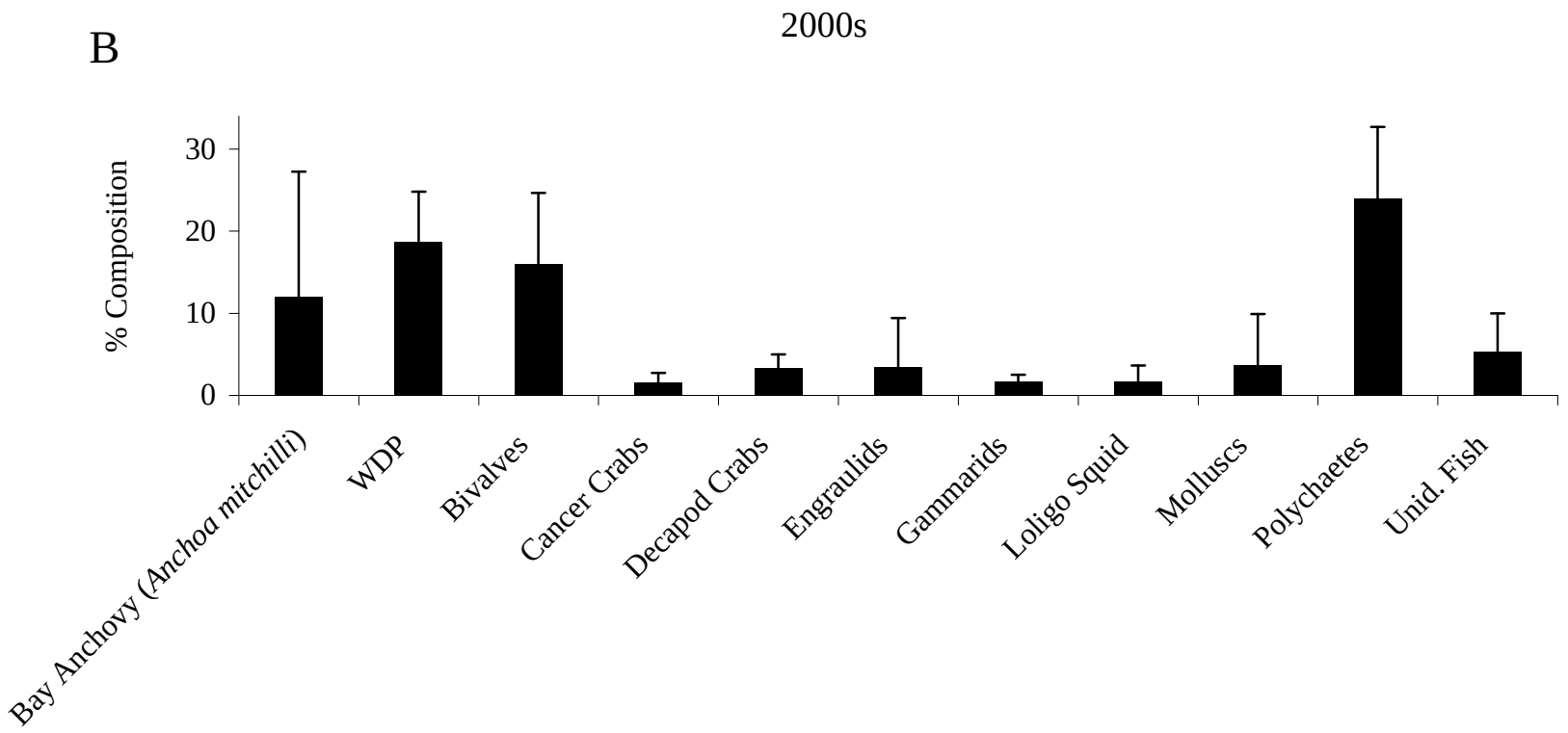

Figure 156B. Percent diet composition by weight of major prey taxa for Atlantic croaker (*Micropogonias undulatus*) collected in the 2000s (n = 518). WDP = well-digested prey; Unid. Fish = unidentified fish.

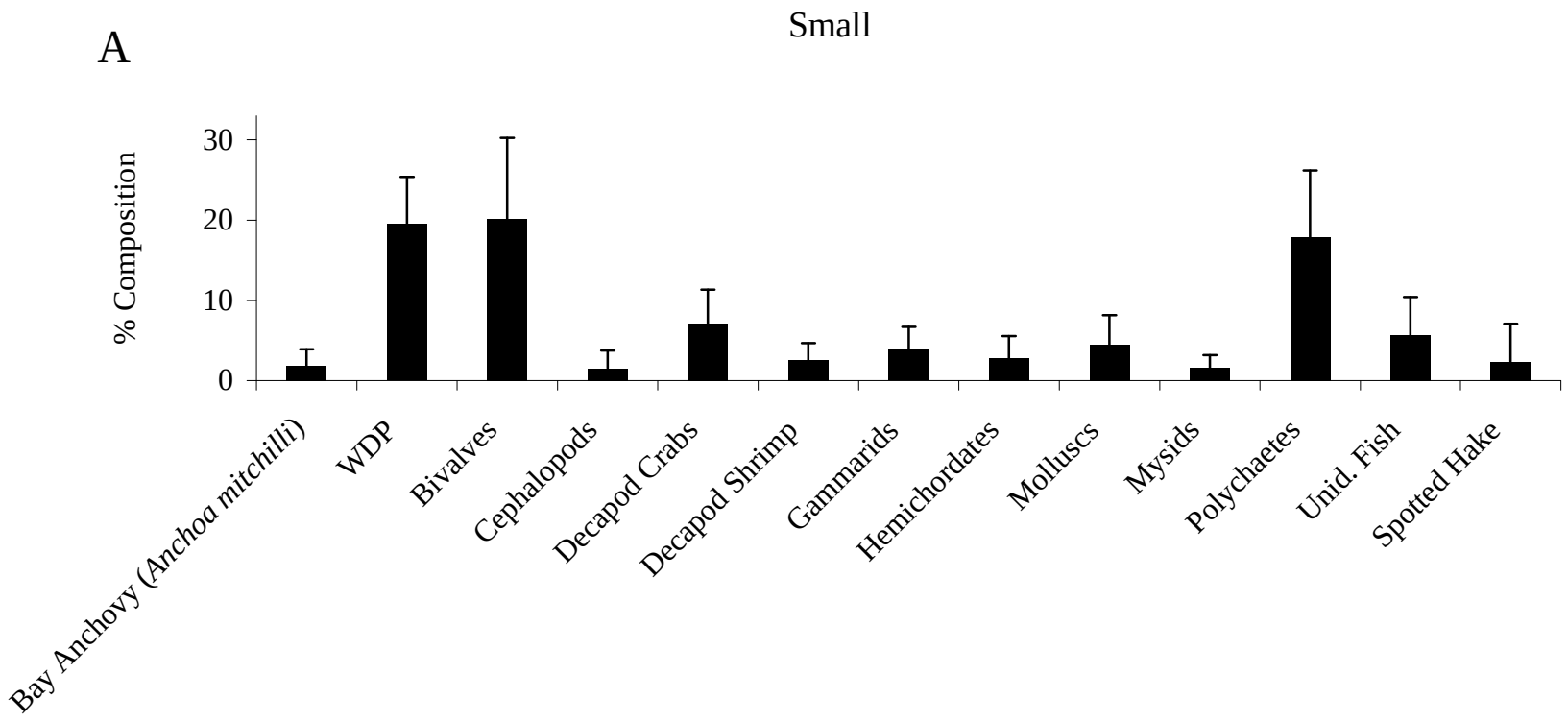

Figure 157A. Percent diet composition by weight of major prey taxa for Atlantic croaker (*Micropogonias undulatus*) in the small size class (n = 555). WDP = well-digested prey; Unid. Fish = unidentified fish.

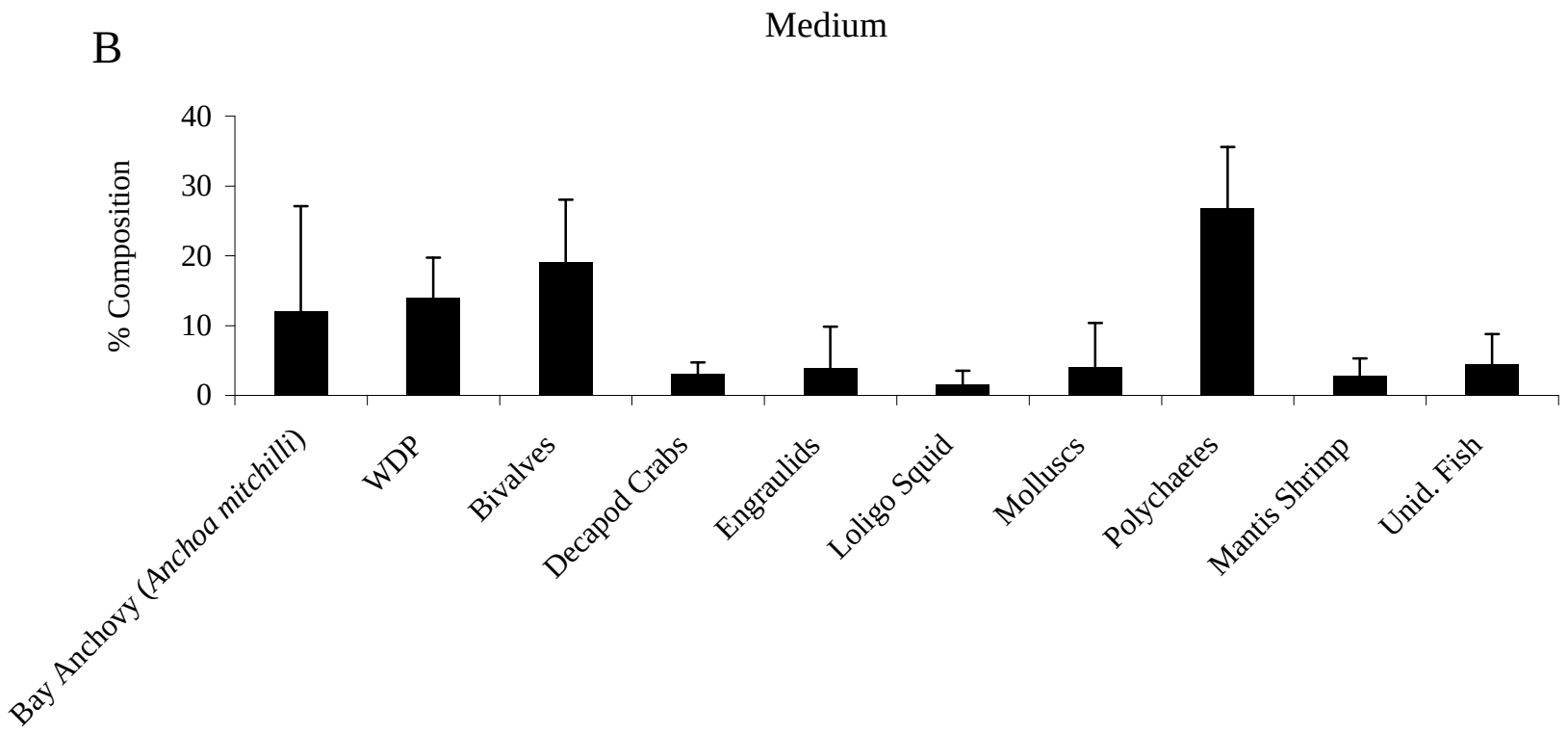

Figure 157B. Percent diet composition by weight of major prey taxa for Atlantic croaker (*Micropogonias undulatus*) in the medium size class (n = 368). WDP = well-digested prey; Unid. Fish = unidentified fish.

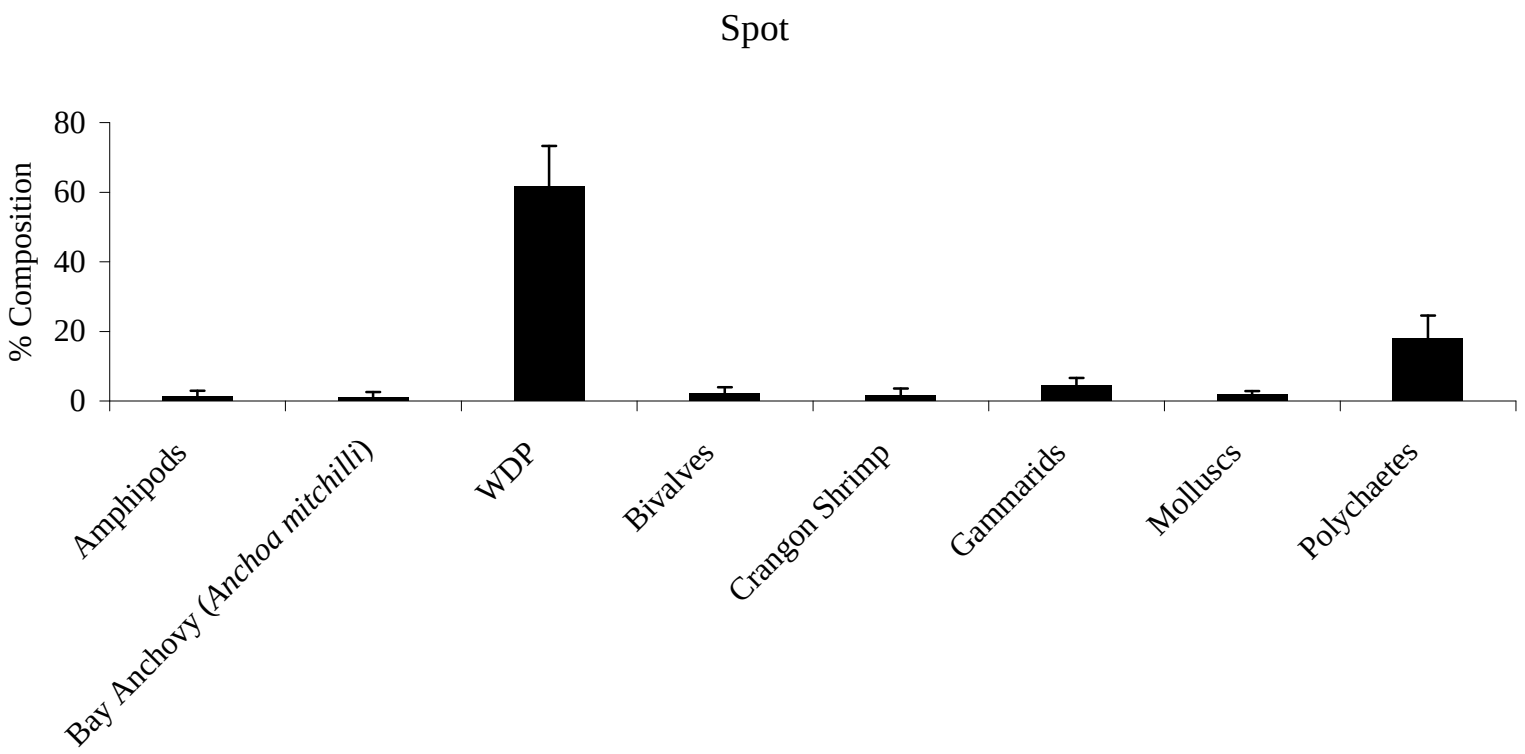

Figure 158. Percent diet composition by weight of major prey taxa for spot (*Leiostomus xanthurus*; n = 1,156). WDP = well-digested prey.

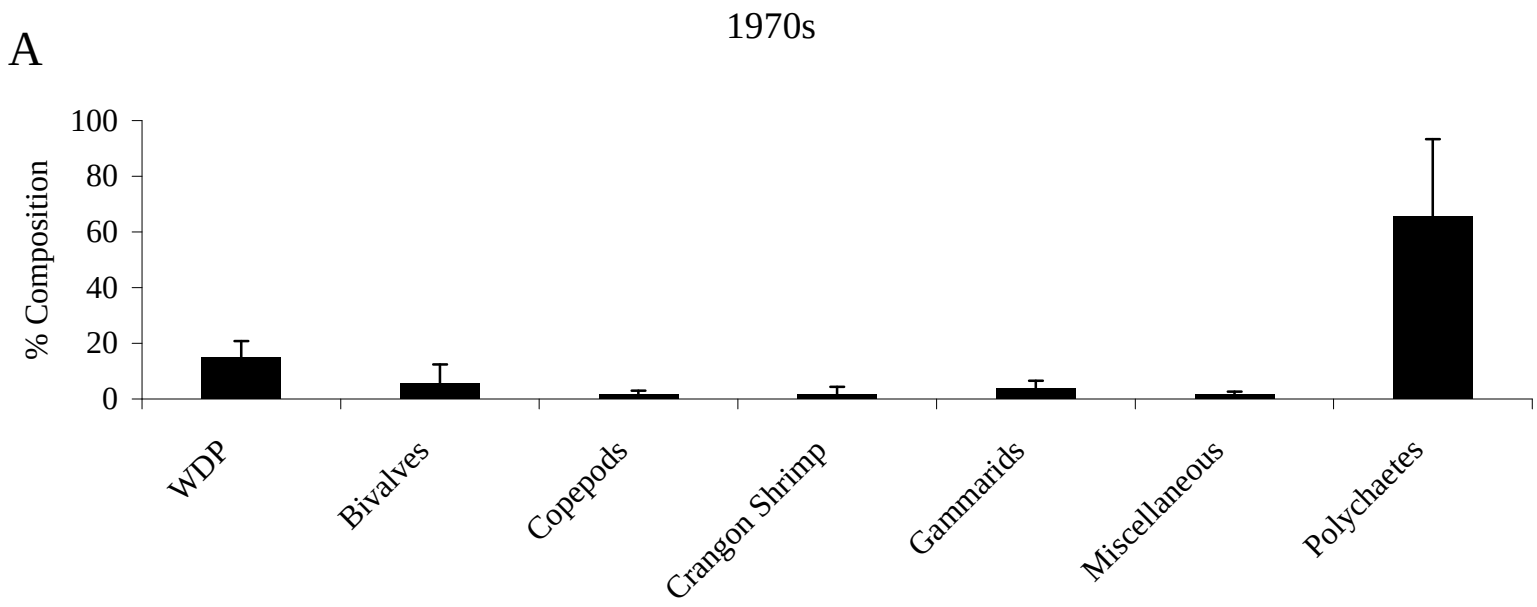

Figure 159A. Percent diet composition by weight of major prey taxa for spot (*Leiostomus xanthurus*) collected in the 1970s (n = 296). WDP = well-digested prey.

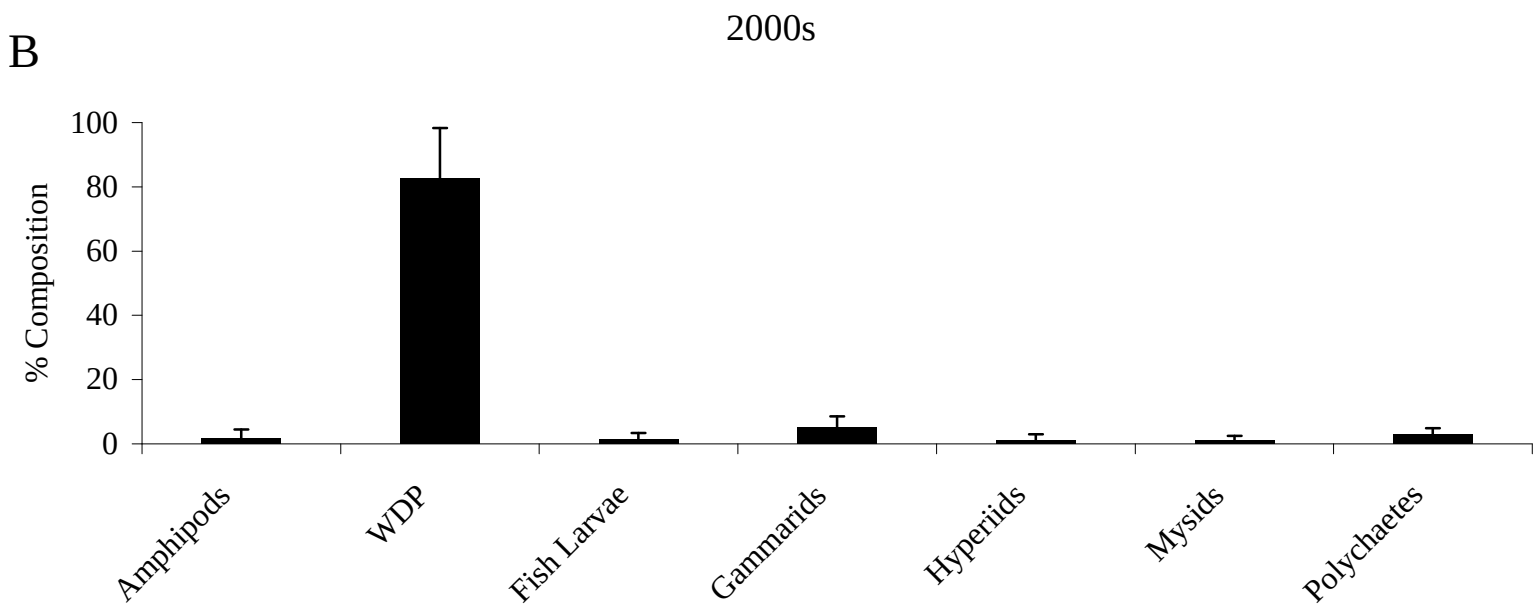

Figure 159B. Percent diet composition by weight of major prey taxa for spot (*Leiostomus xanthurus*) collected in the 2000s (n = 600). WDP = well-digested prey.

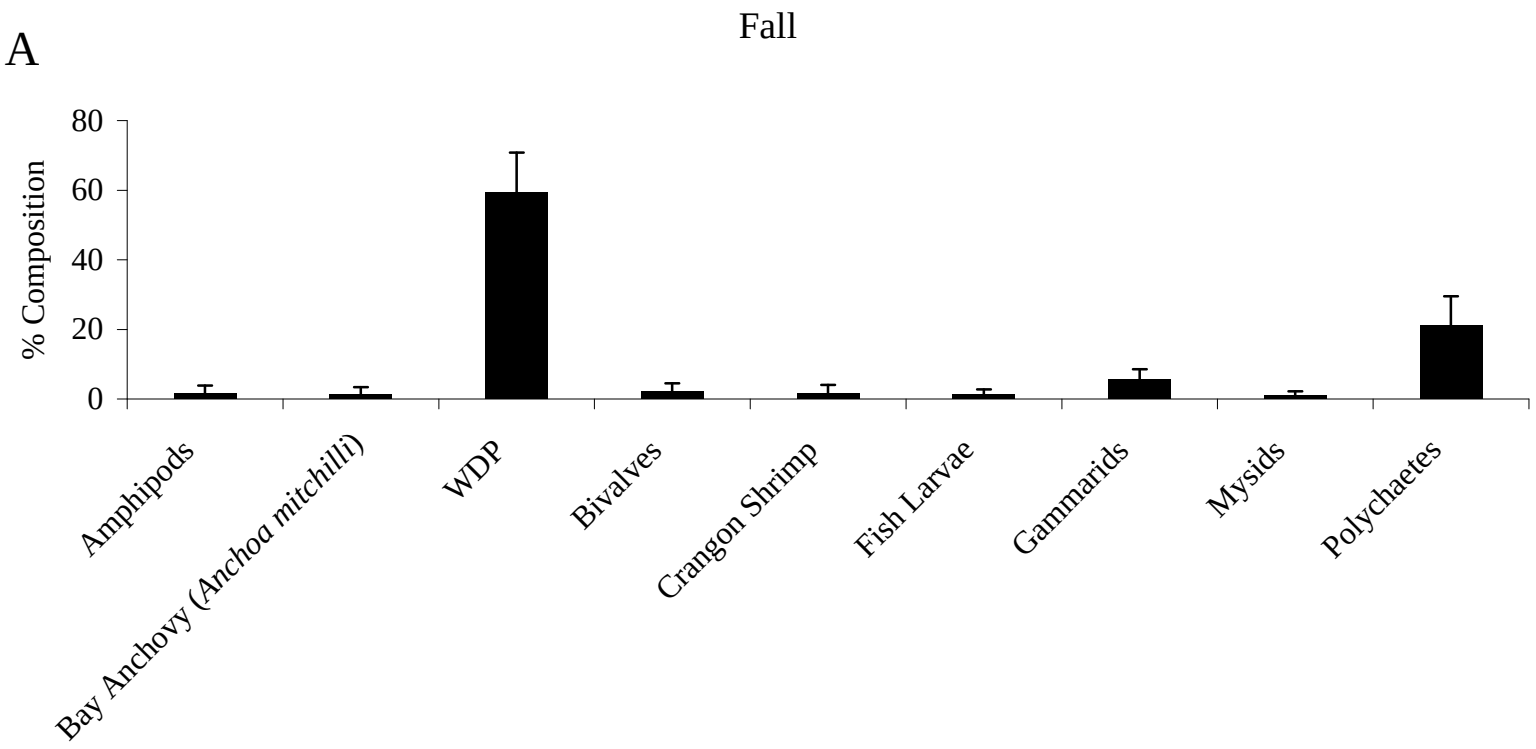

Figure 160A. Percent diet composition by weight of major prey taxa for spot (*Leiostomus xanthurus*) collected in the fall (n = 790). WDP = well-digested prey.

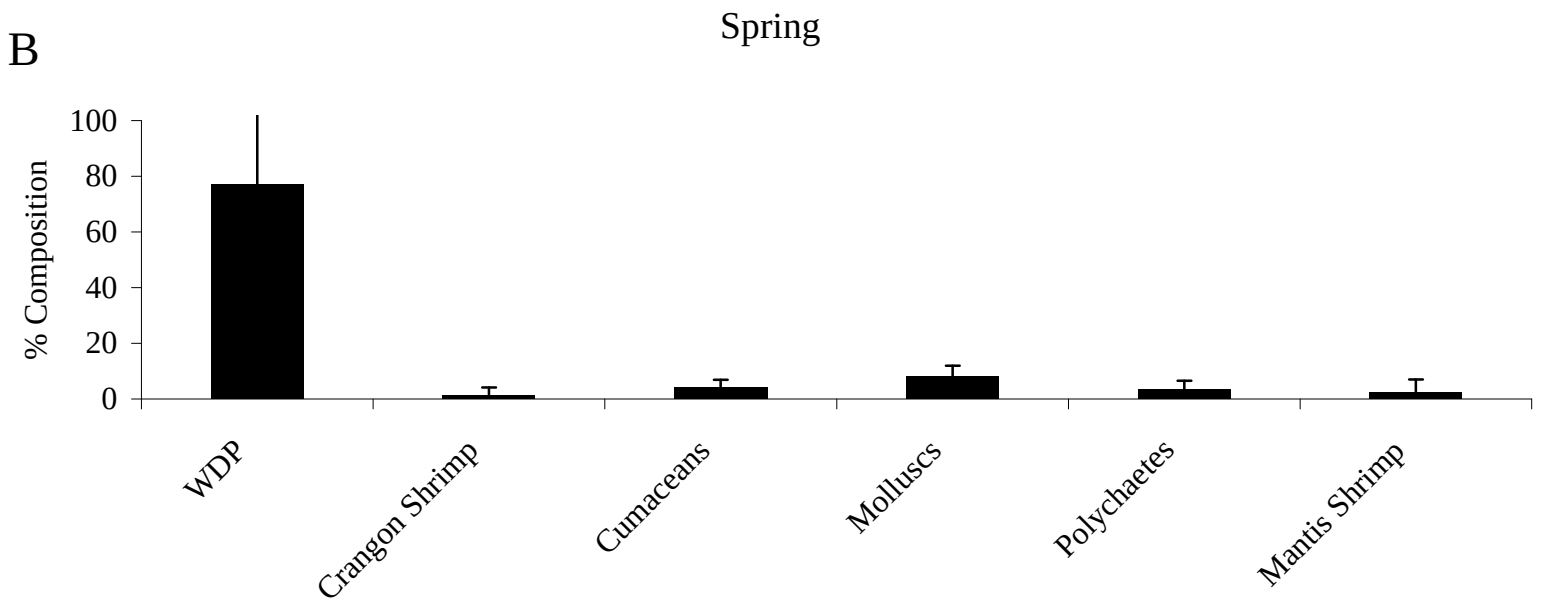

Figure 160B. Percent diet composition by weight of major prey taxa for spot (*Leiostomus xanthurus*) collected in the spring (n = 205). WDP = well-digested prey.

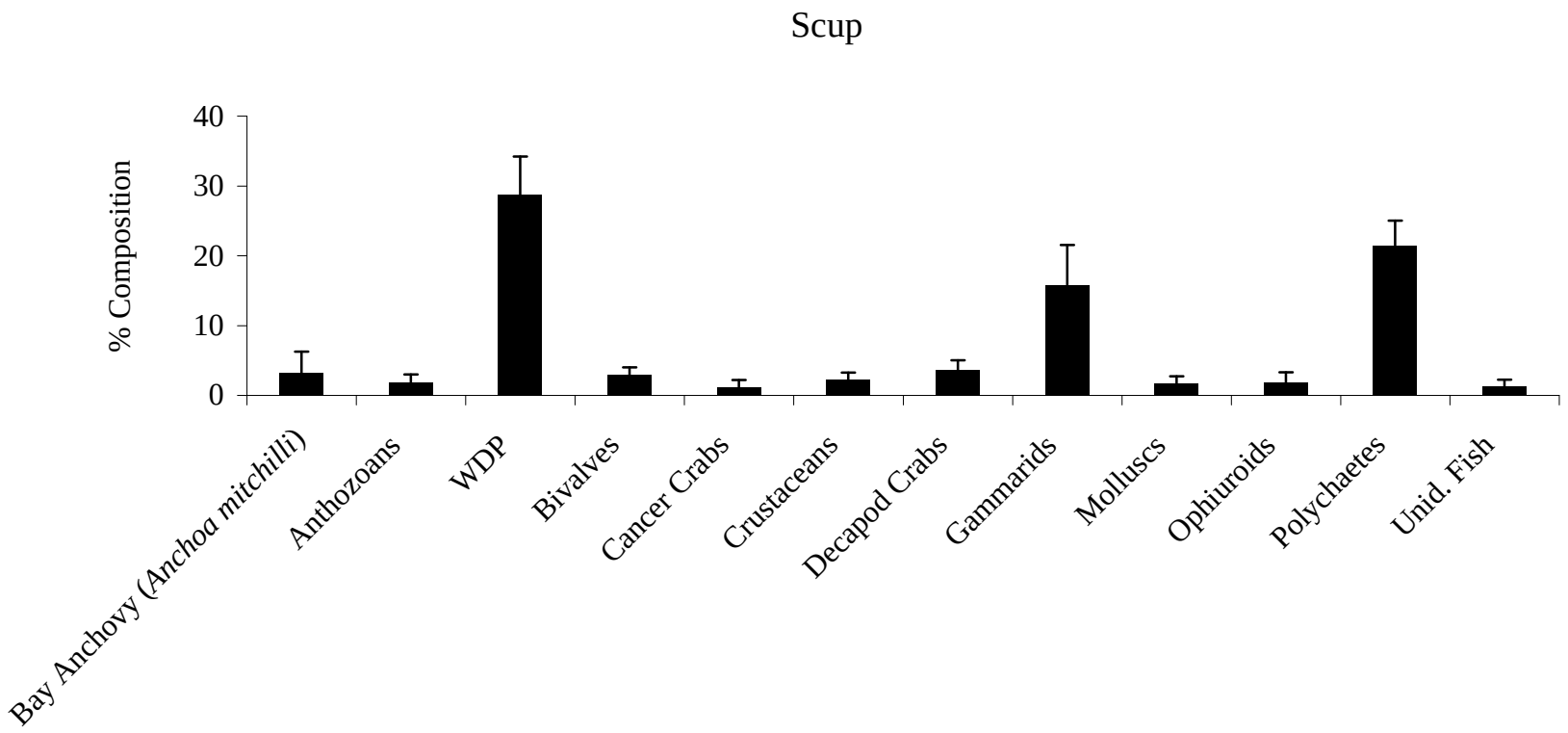

Figure 161. Percent diet composition by weight of major prey taxa for scup (*Stenotomus chrysops*; n = 3,886). WDP = well-digested prey; Unid. Fish = unidentified fish.

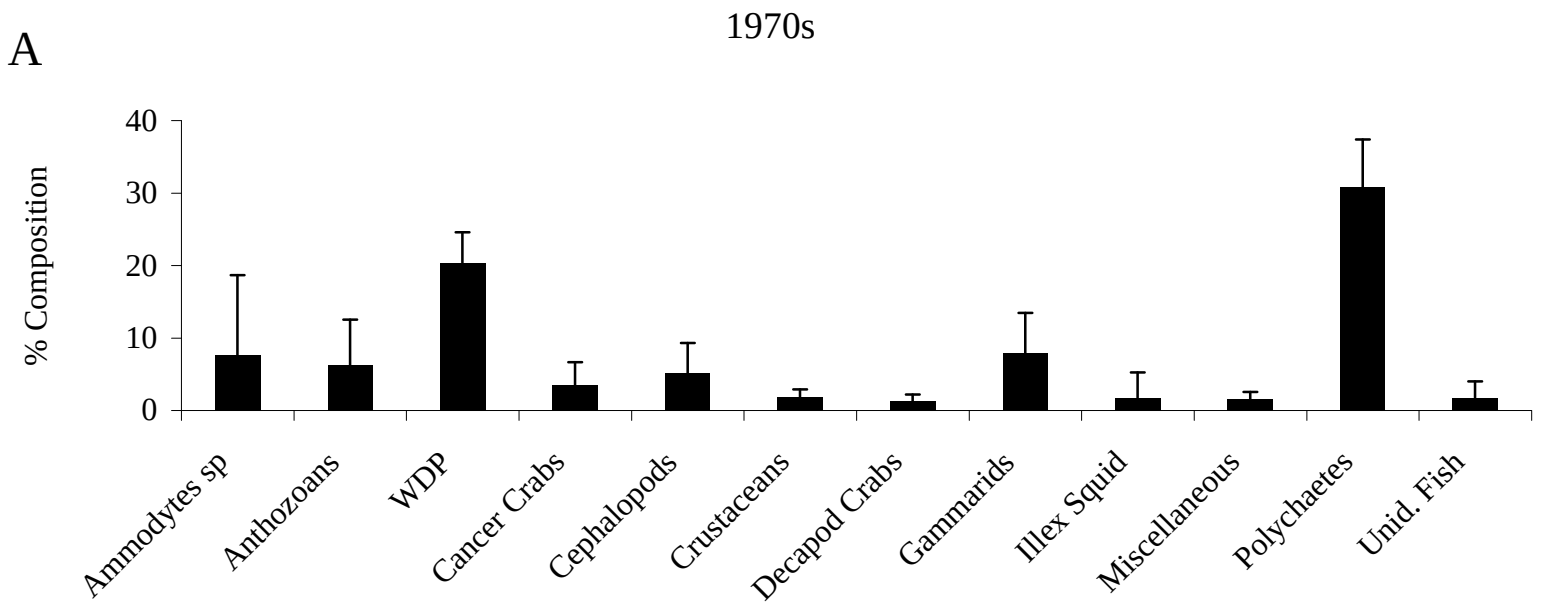

Figure 162A. Percent diet composition by weight of major prey taxa for scup (*Stenotomus chrysops*) collected in the 1970s (n = 1,078). WDP = well-digested prey; Unid. Fish = unidentified fish.

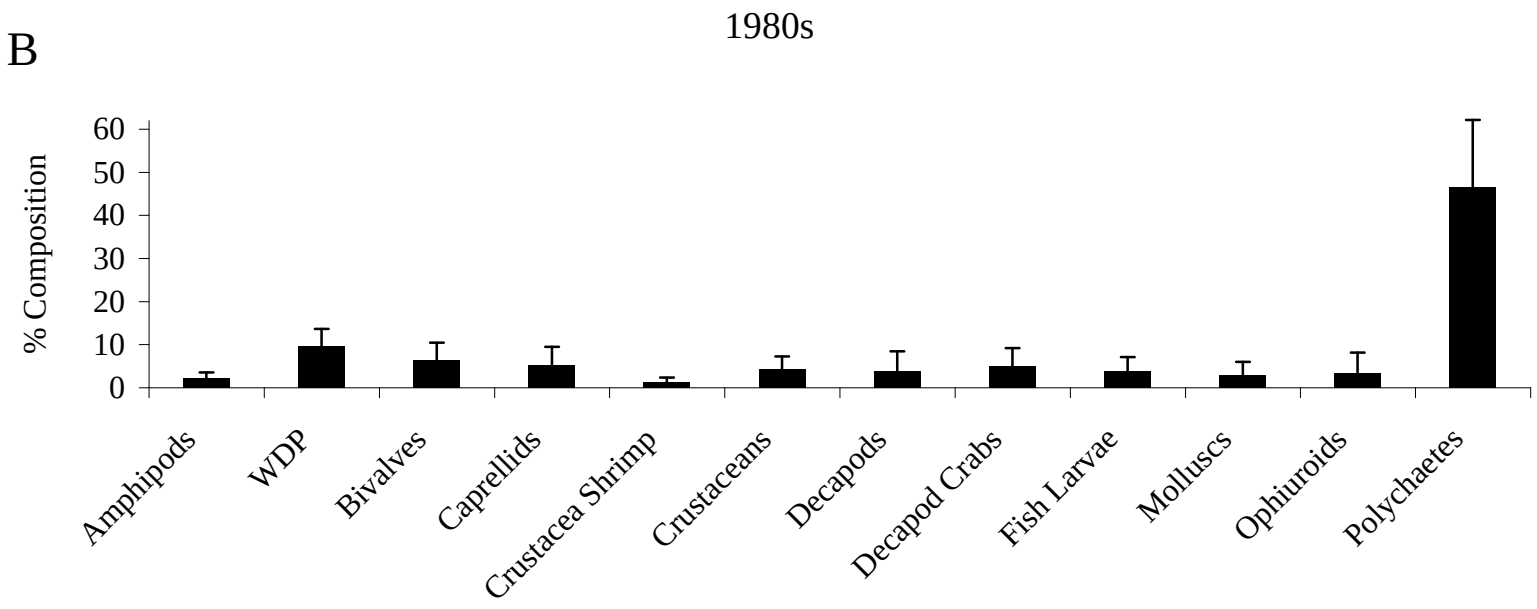

Figure 162B. Percent diet composition by weight of major prey taxa for scup (*Stenotomus chrysops*) collected in the 1980s (n = 429). WDP = well-digested prey.

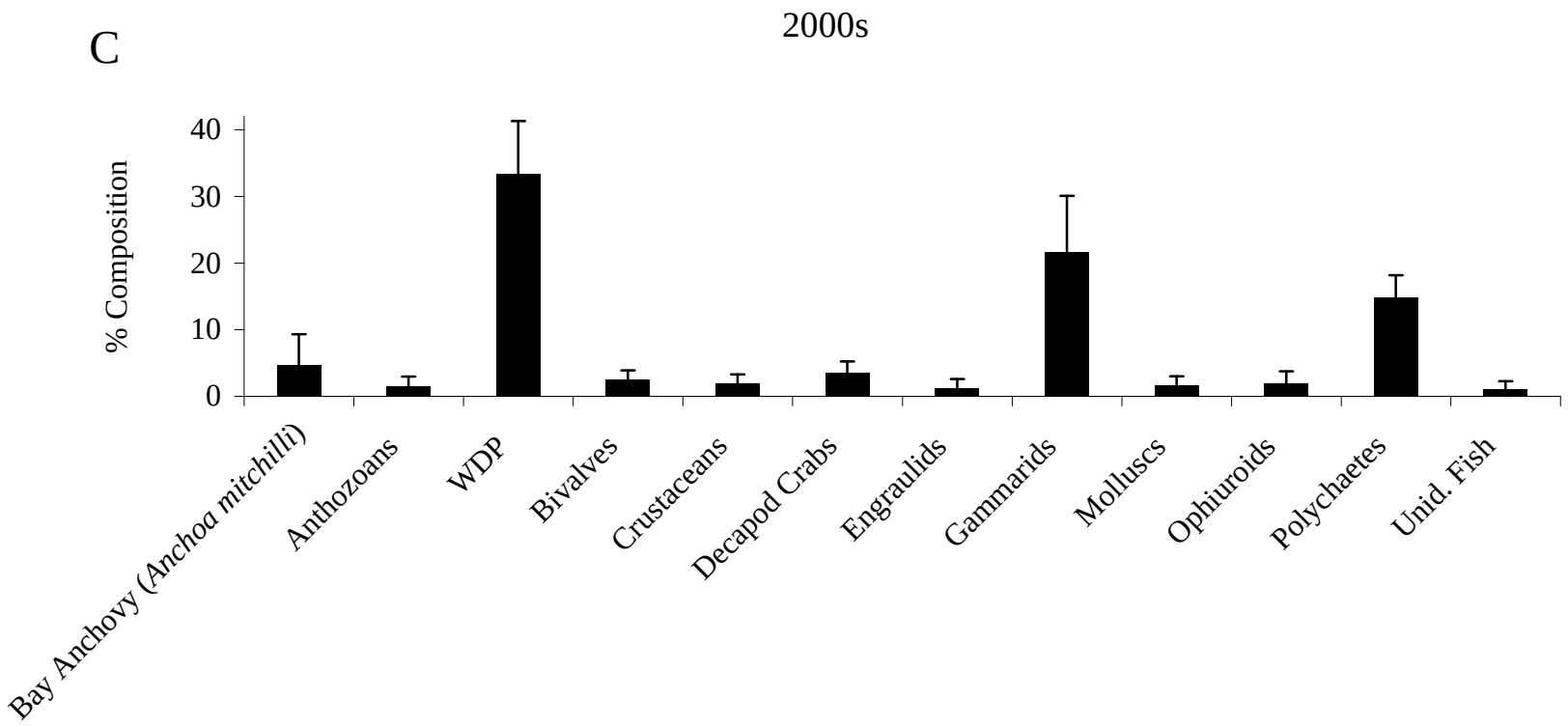

Figure 162C. Percent diet composition by weight of major prey taxa for scup (*Stenotomus chrysops*) collected in the 2000s (n = 2,207). WDP = well-digested prey; Unid. Fish = unidentified fish.

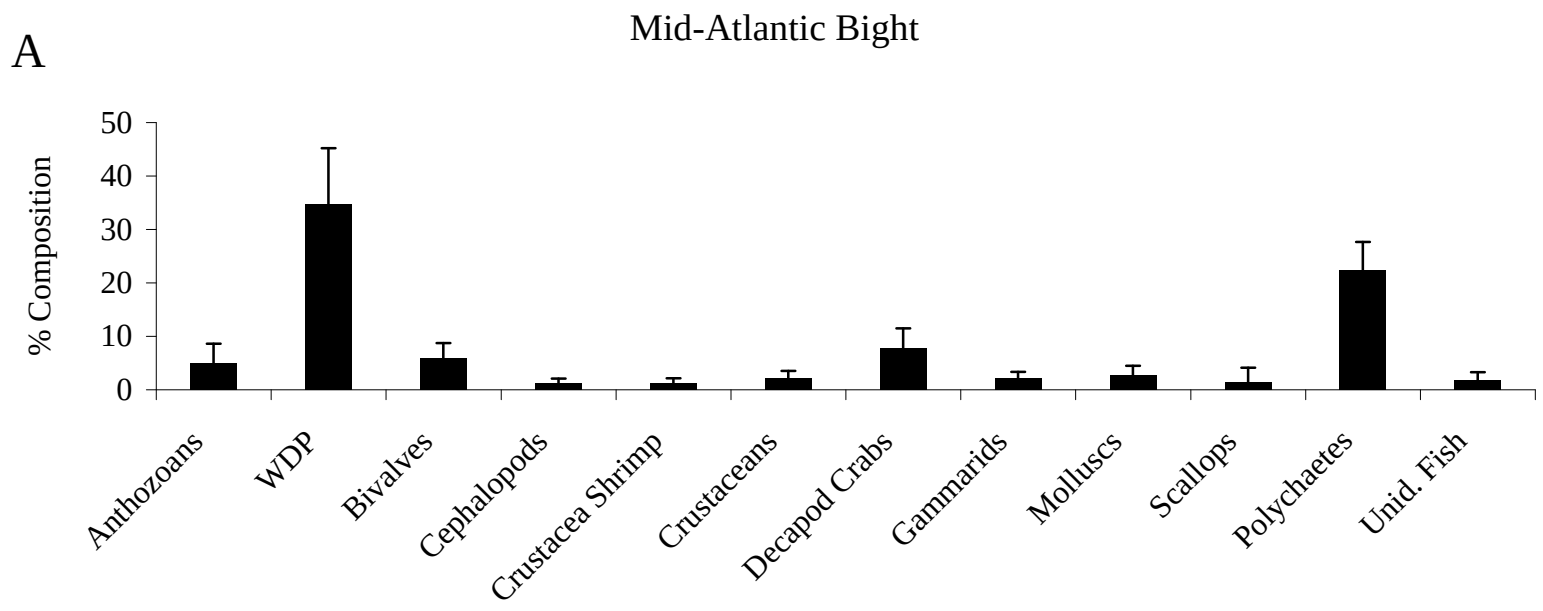

Figure 163A. Percent diet composition by weight of major prey taxa for scup (*Stenotomus chrysops*) collected in the Mid-Atlantic Bight (n = 2,039). WDP = well-digested prey; Unid. Fish = unidentified fish.

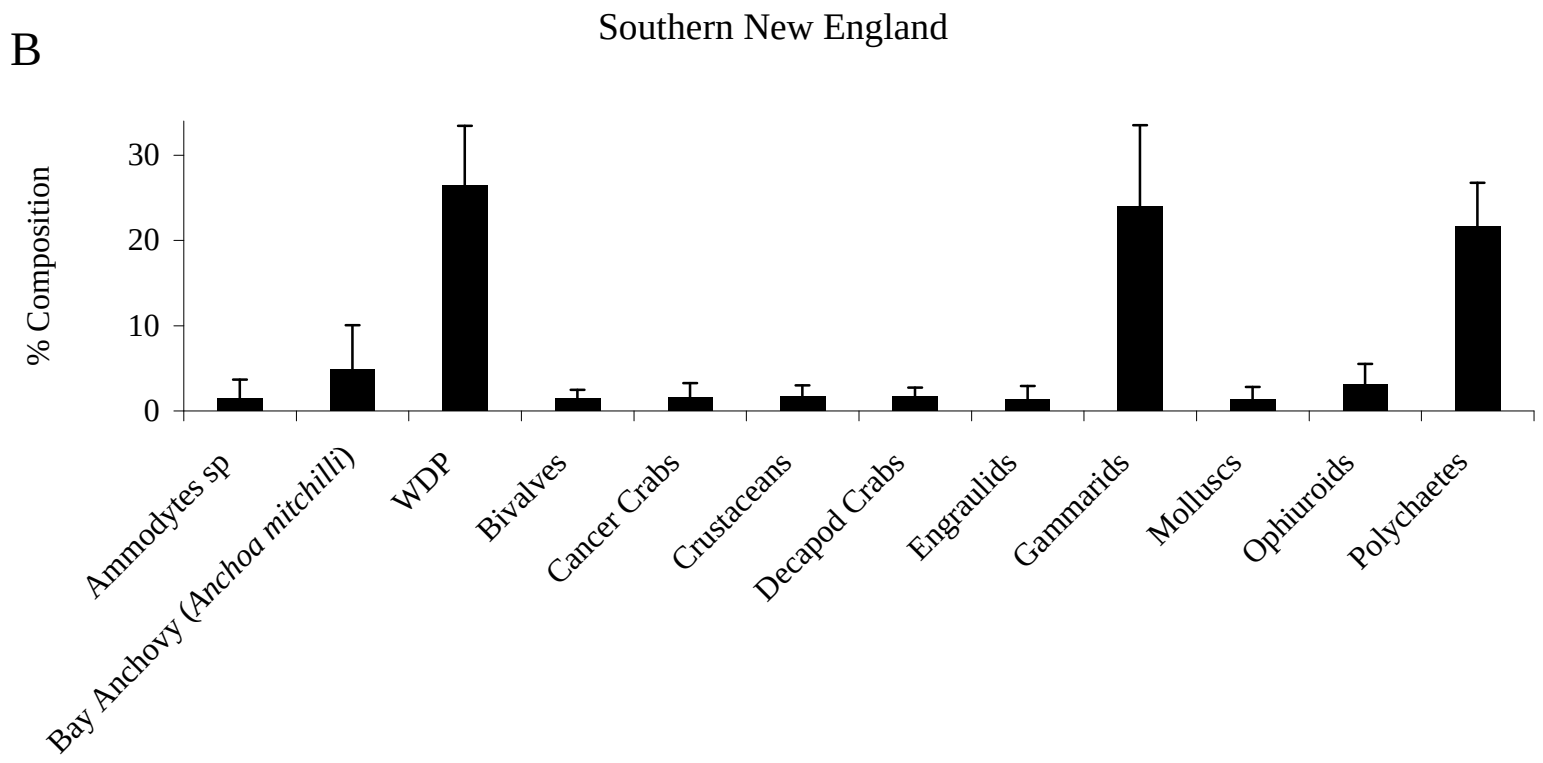

Figure 163B. Percent diet composition by weight of major prey taxa for scup (*Stenotomus chrysops*) collected in Southern New England (n = 1,499). WDP = well-digested prey.

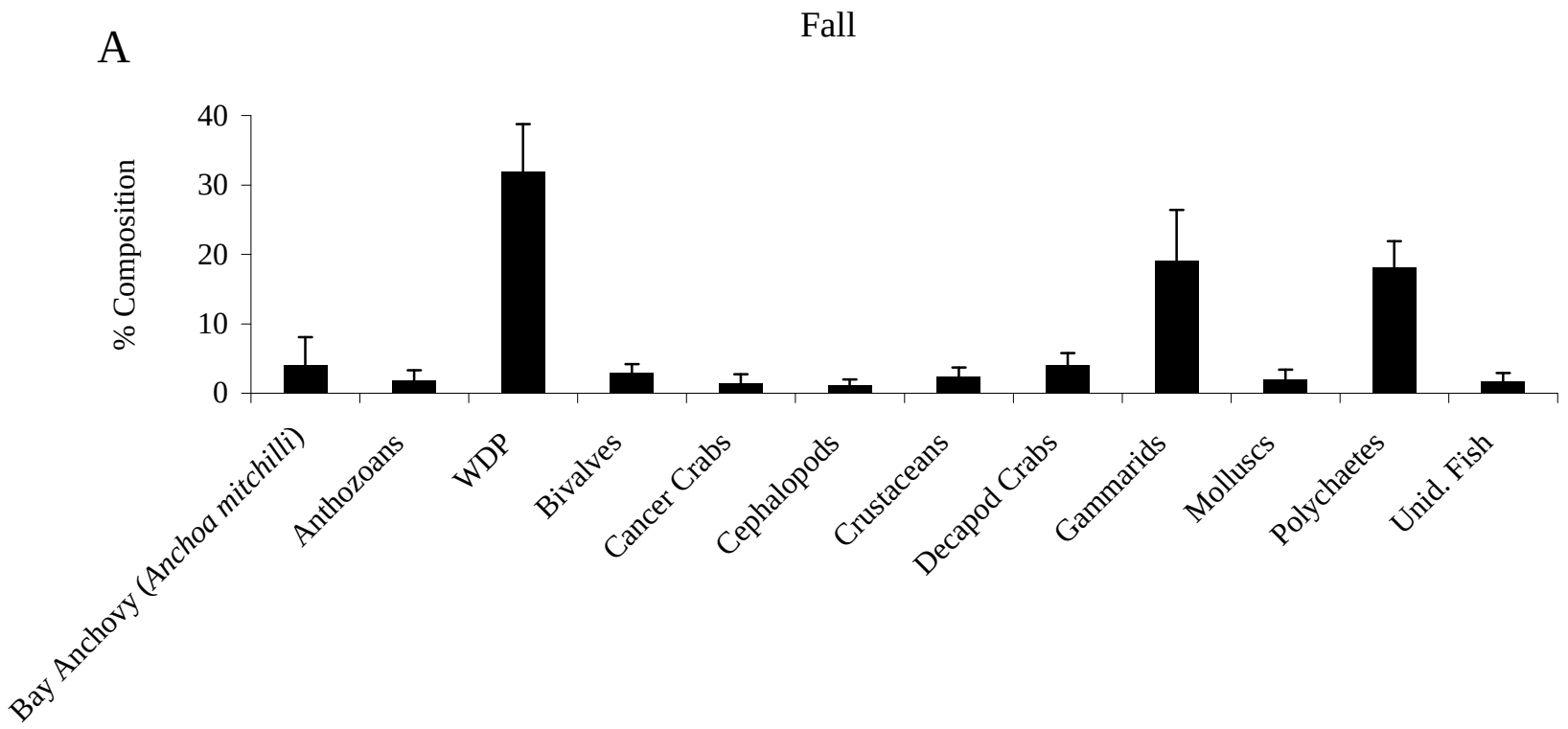

Figure 164A. Percent diet composition by weight of major prey taxa for scup (*Stenotomus chrysops*) collected in the fall (n = 2,575). WDP = well-digested prey; Unid. Fish = unidentified fish.

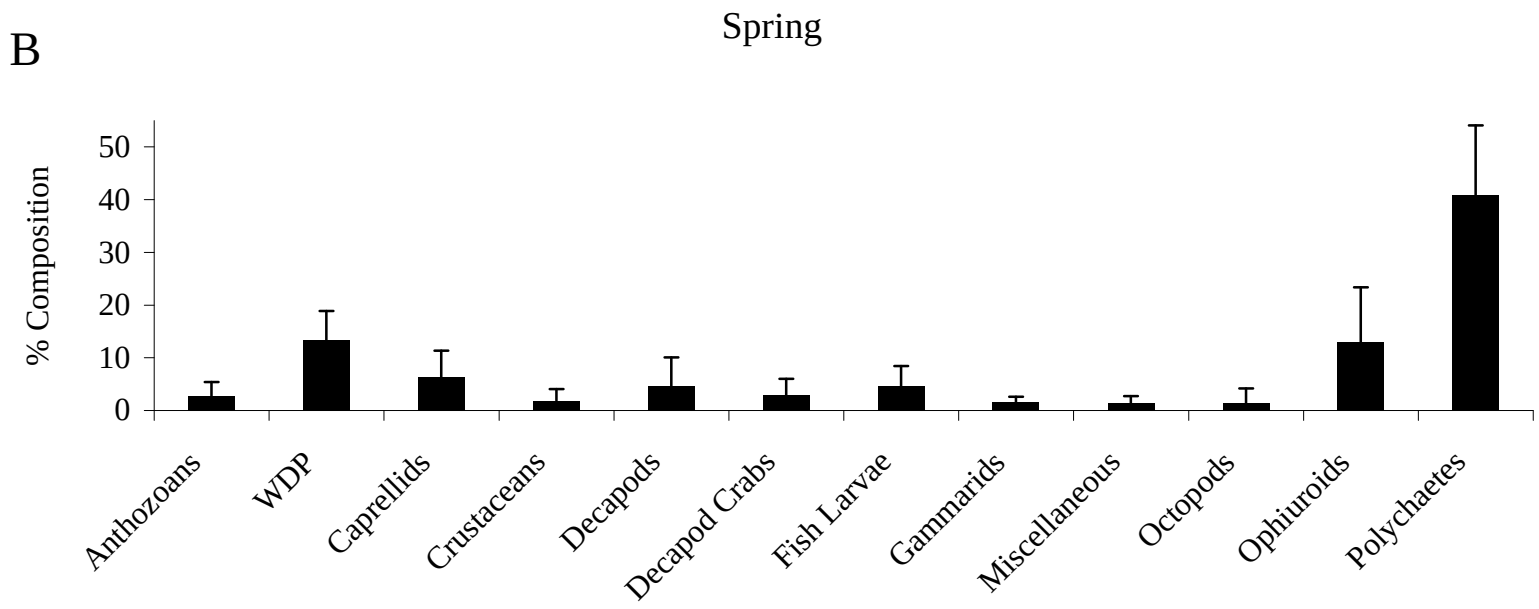

Figure 164B. Percent diet composition by weight of major prey taxa for scup (*Stenotomus chrysops*) collected in the spring (n = 707). WDP = well-digested prey.

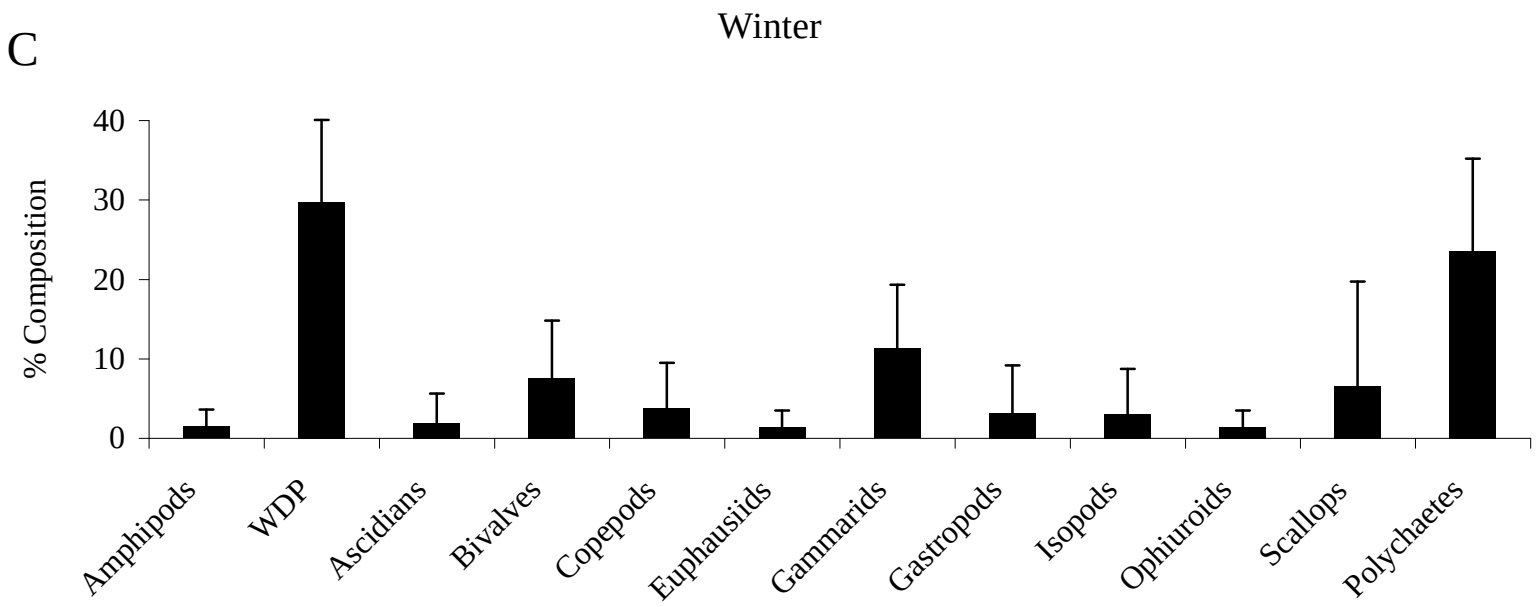

Figure 164C. Percent diet composition by weight of major prey taxa for scup (*Stenotomus chrysops*) collected in the winter (n = 521). WDP = well-digested prey.

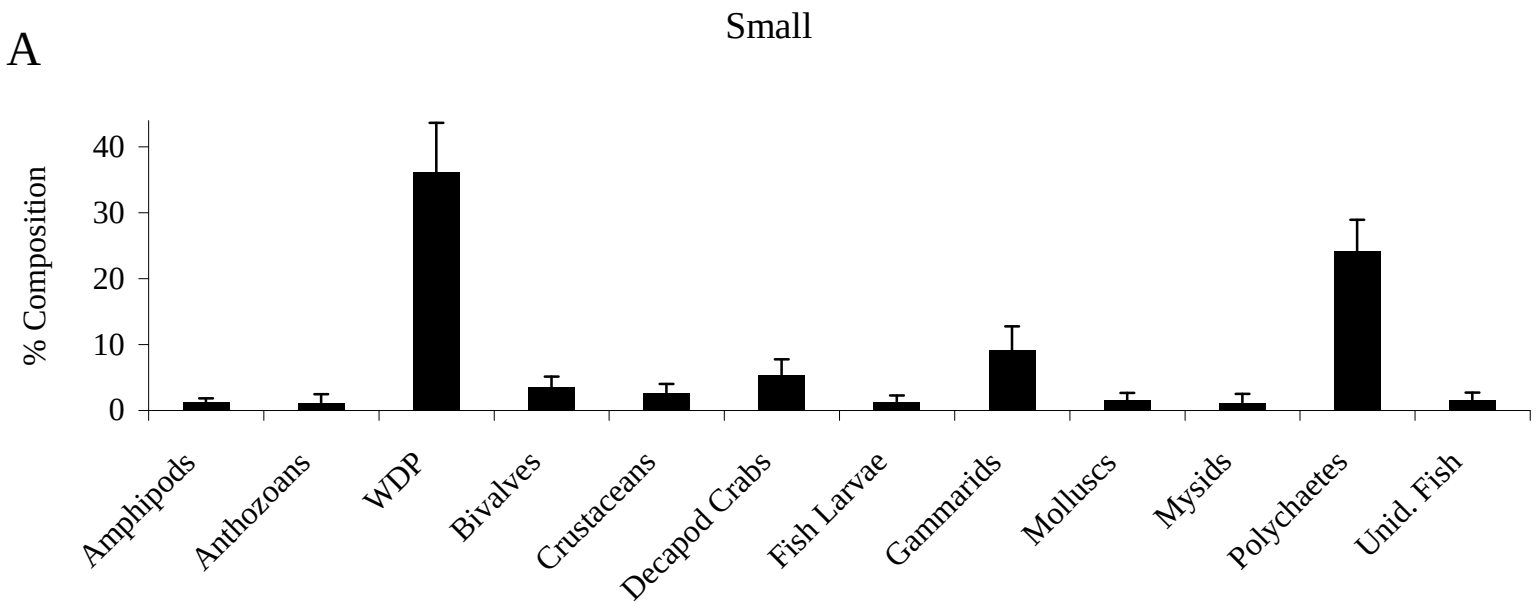

Figure 165A. Percent diet composition by weight of major prey taxa for scup (*Stenotomus chrysops*) in the small size class (n = 3,159). WDP = well-digested prey; Unid. Fish = unidentified fish.

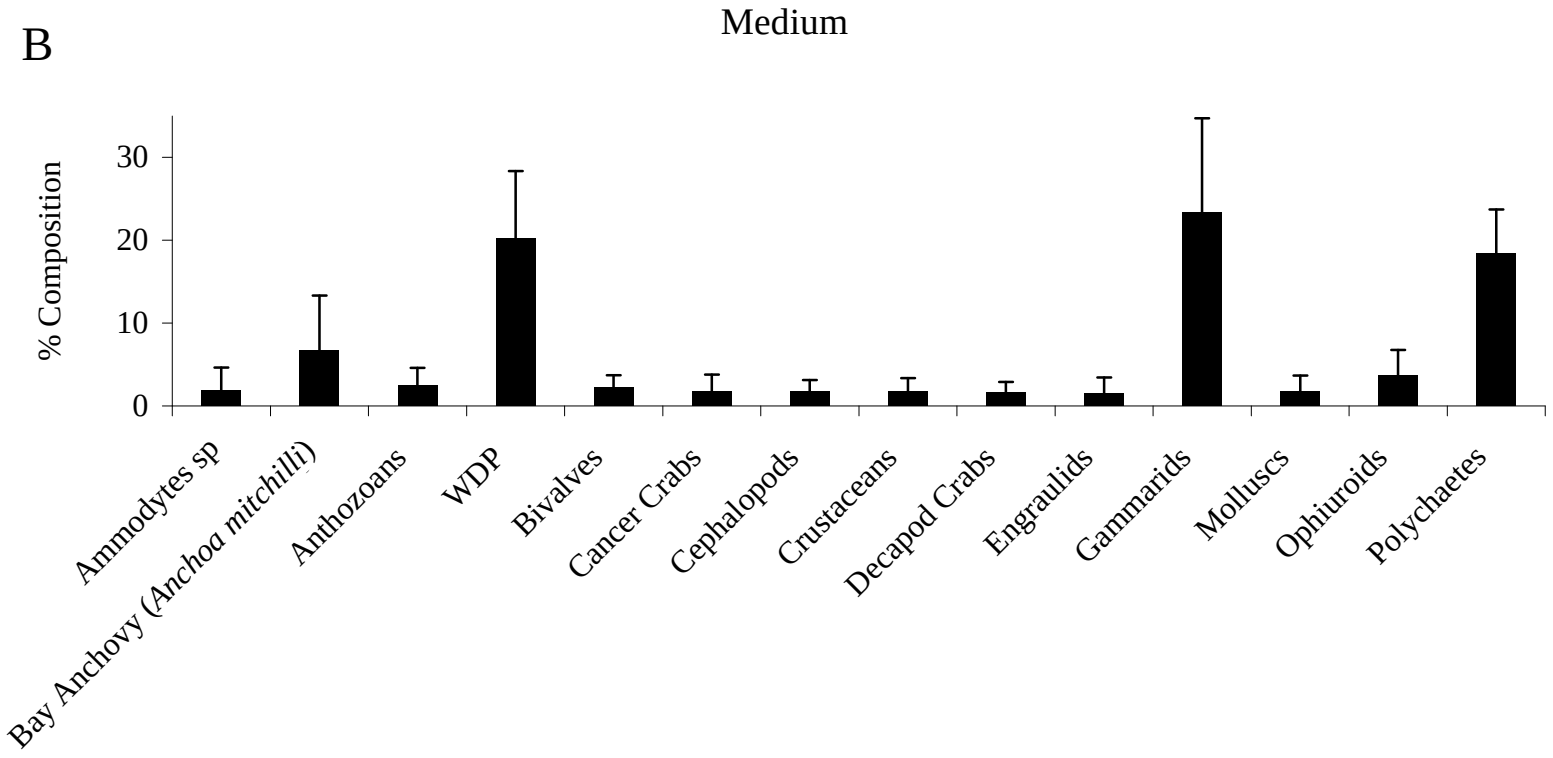

Figure 165B. Percent diet composition by weight of major prey taxa for scup (*Stenotomus chrysops*) in the medium size class (n = 727). WDP = well-digested prey.

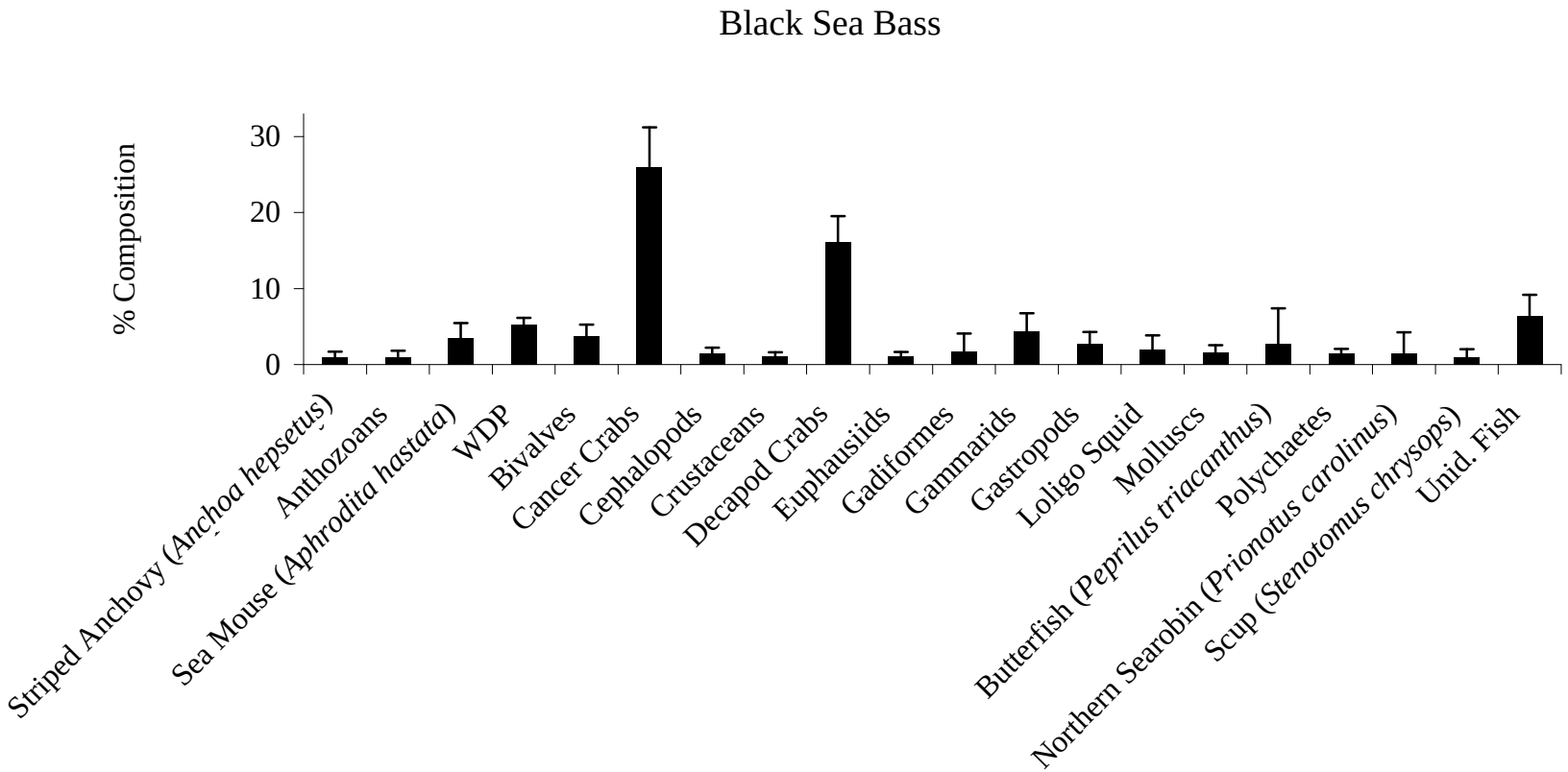

Figure 166. Percent diet composition by weight of major prey taxa for black sea bass (*Centropristis striata*; n = 2,400). WDP = well-digested prey; Unid. Fish = unidentified fish.

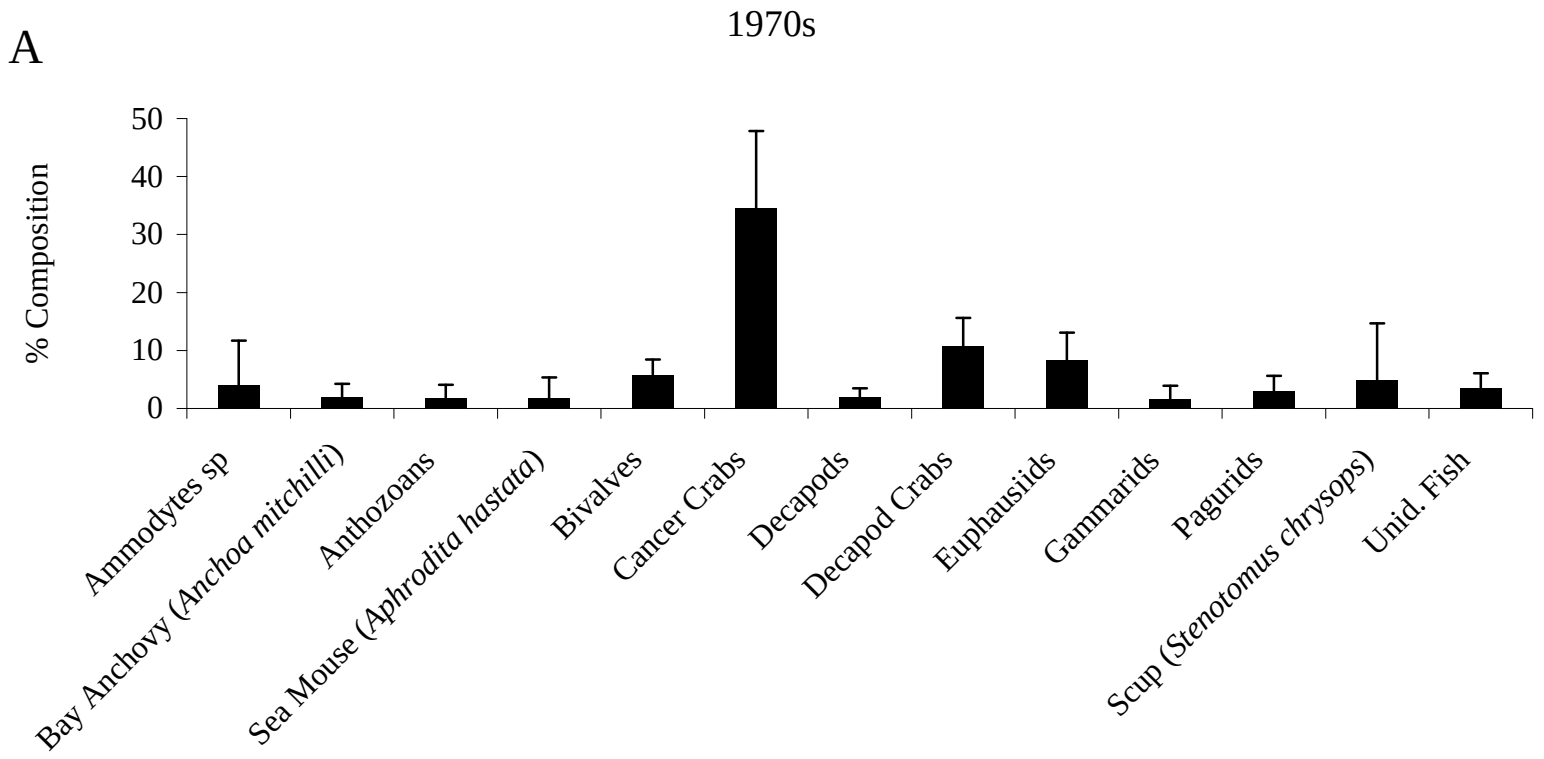

Figure 167A. Percent diet composition by weight of major prey taxa for black sea bass (*Centropristis striata*) collected in the 1970s (n = 478). Unid. Fish = unidentified fish.

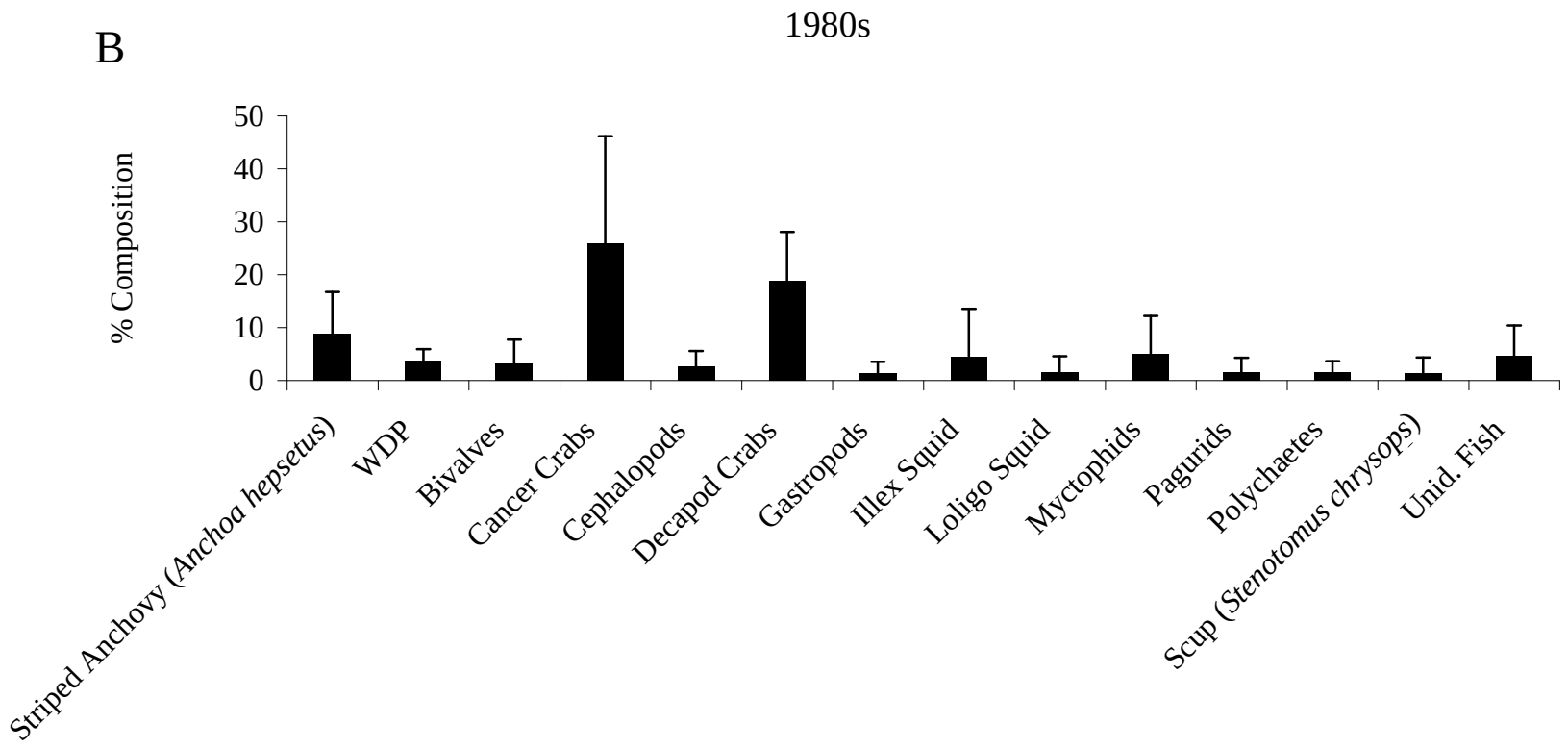

Figure 167B. Percent diet composition by weight of major prey taxa for black sea bass (*Centropristis striata*) collected in the 1980s (n = 347). WDP = well-digested prey; Unid. Fish = unidentified fish.

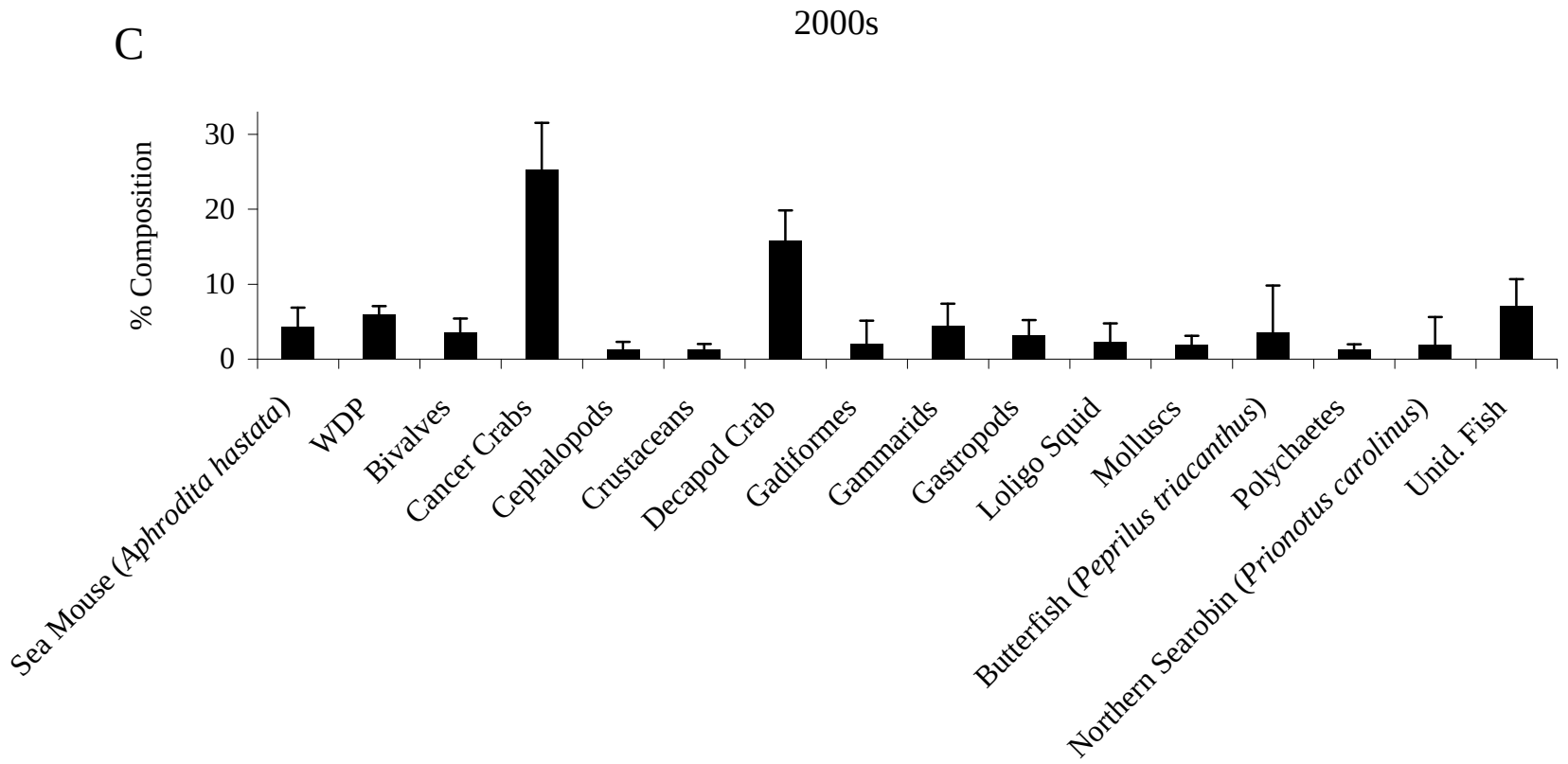

Figure 167C. Percent diet composition by weight of major prey taxa for black sea bass (*Centropristis striata*) collected in the 2000s (n = 1,481). WDP = well-digested prey; Unid. Fish = unidentified fish.

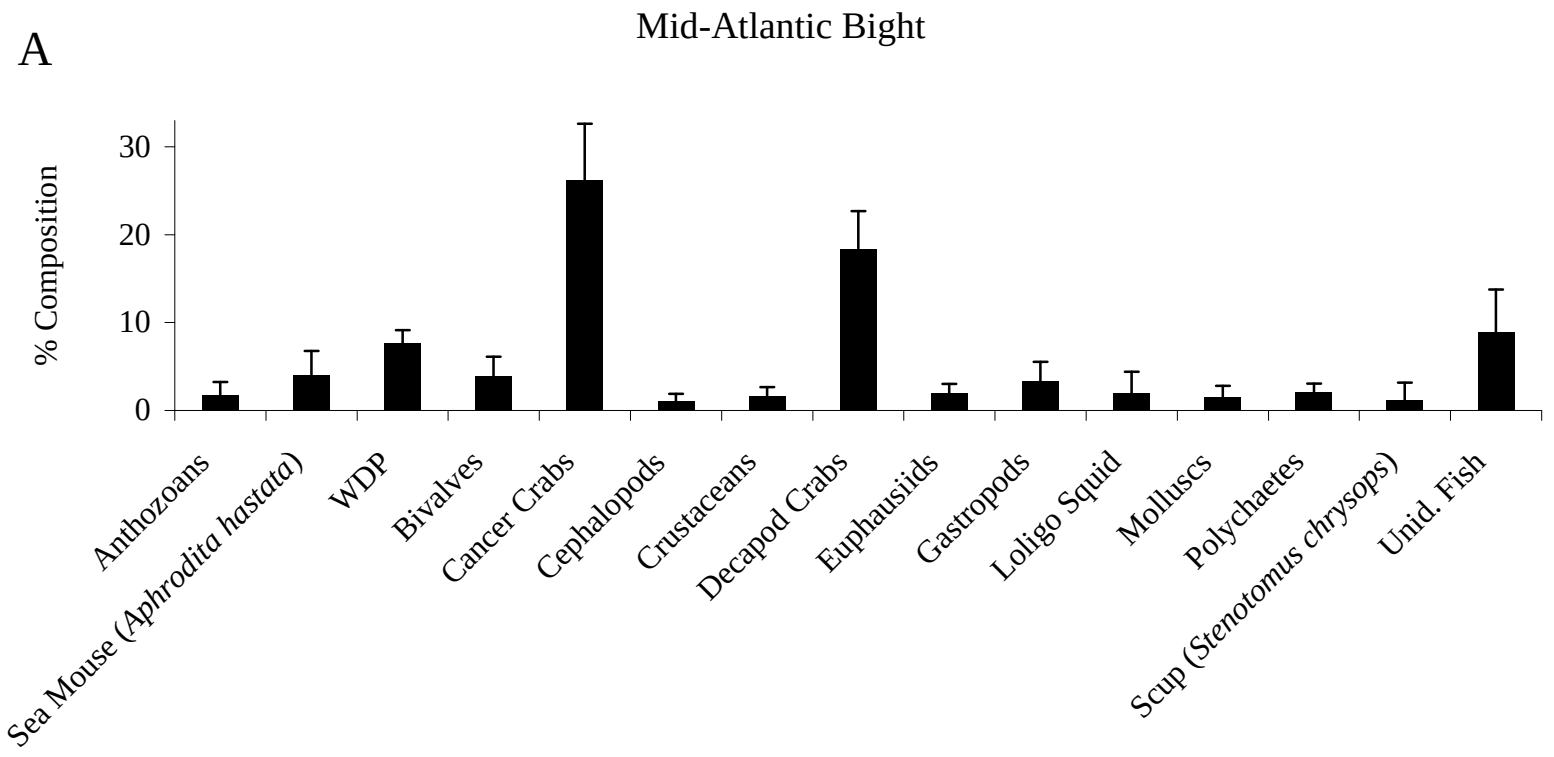

Figure 168A. Percent diet composition by weight of major prey taxa for black sea bass (*Centropristis striata*) collected in the Mid-Atlantic Bight (n = 1,704). WDP = well-digested prey; Unid. Fish = unidentified fish.

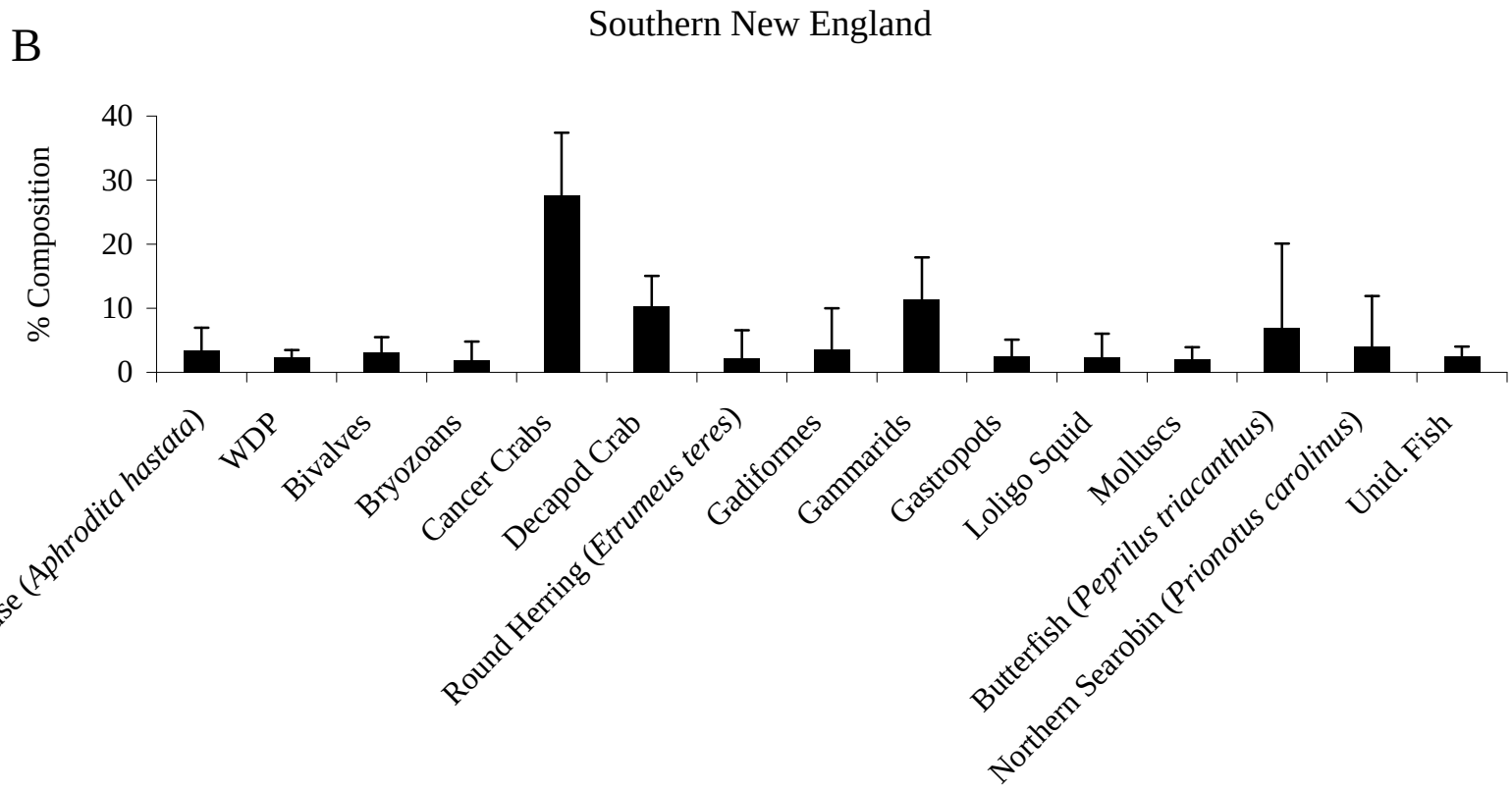

Figure 168B. Percent diet composition by weight of major prey taxa for black sea bass (*Centropristis striata*) collected in Southern New England (n = 448). WDP = well-digested prey; Unid. Fish = unidentified fish.

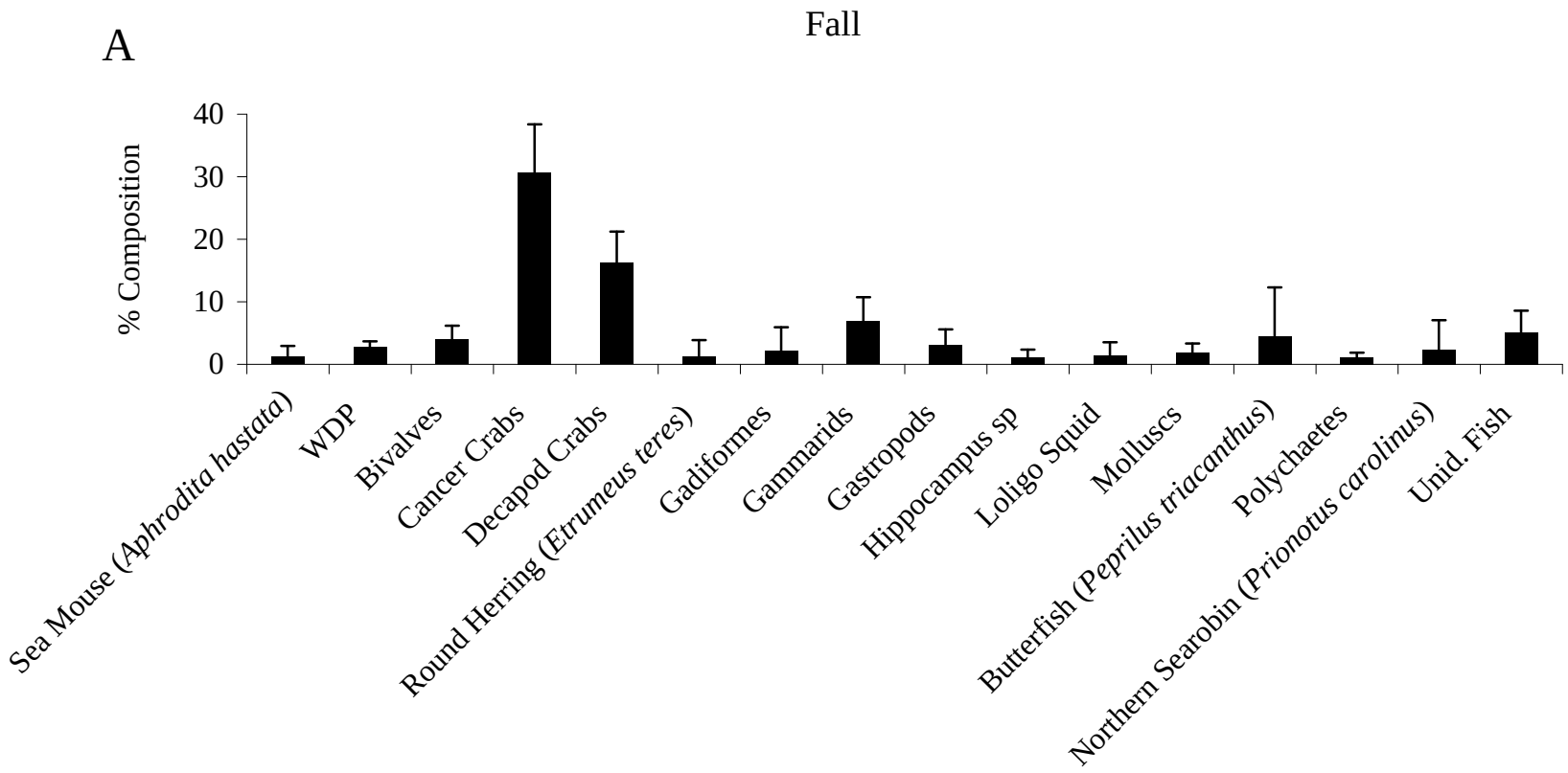

Figure 169A. Percent diet composition by weight of major prey taxa for black sea bass (*Centropristis striata*) collected in the fall (n = 926). WDP = well-digested prey; Unid. Fish = unidentified fish.

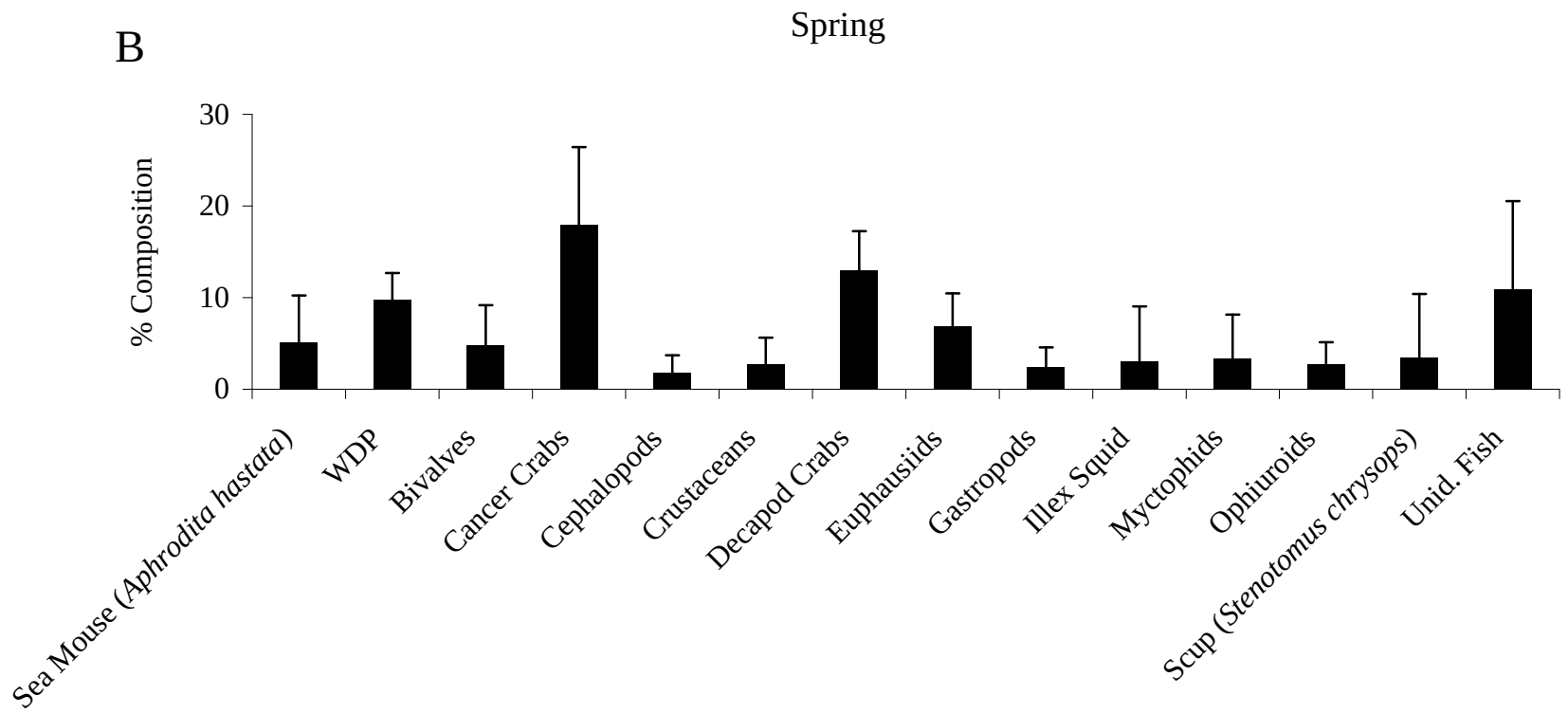

Figure 169B. Percent diet composition by weight of major prey taxa for black sea bass (*Centropristis striata*) collected in the spring (n = 657). WDP = well-digested prey; Unid. Fish = unidentified fish.

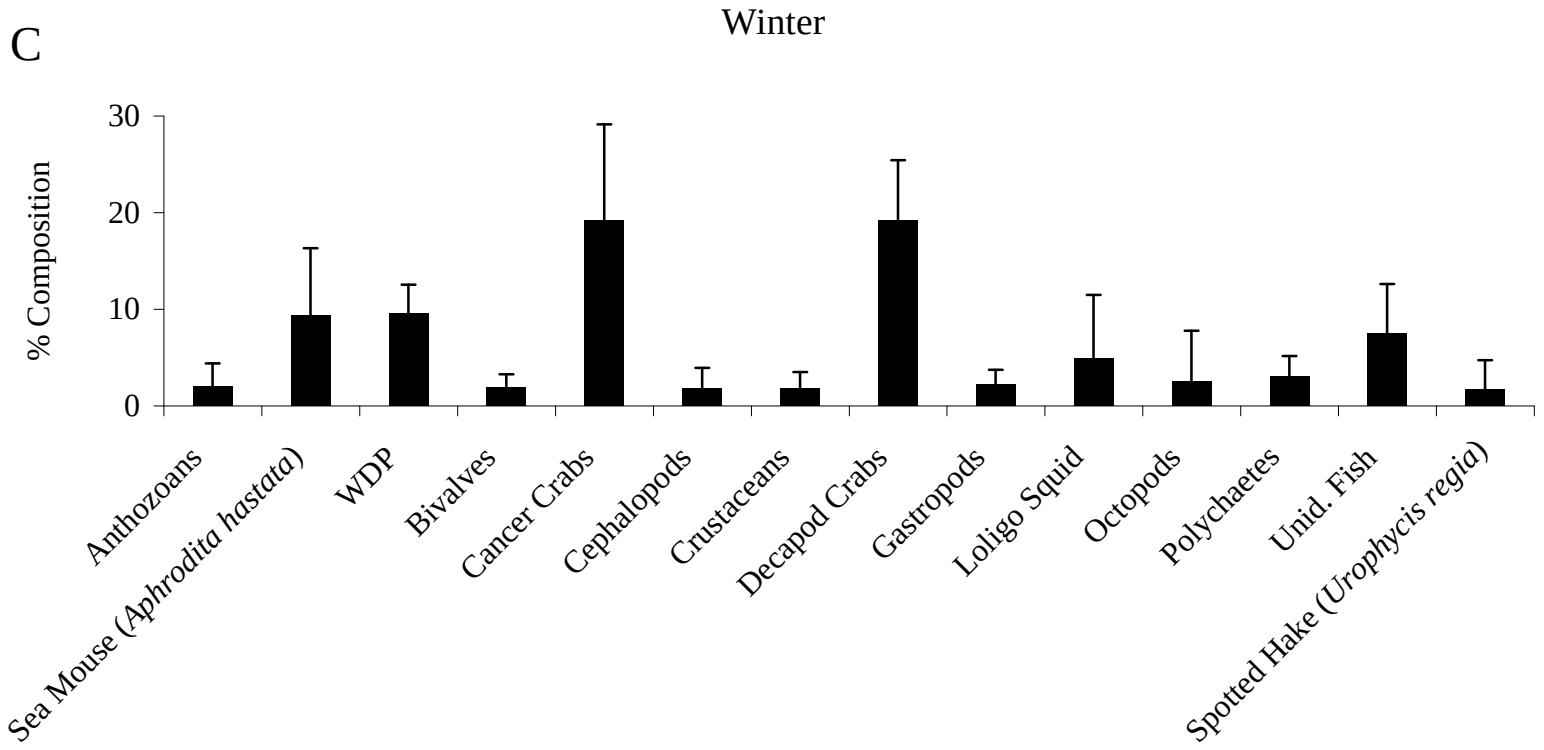

Figure 169C. Percent diet composition by weight of major prey taxa for black sea bass (*Centropristis striata*) collected in the winter (n = 666). WDP = well-digested prey; Unid. Fish = unidentified fish.

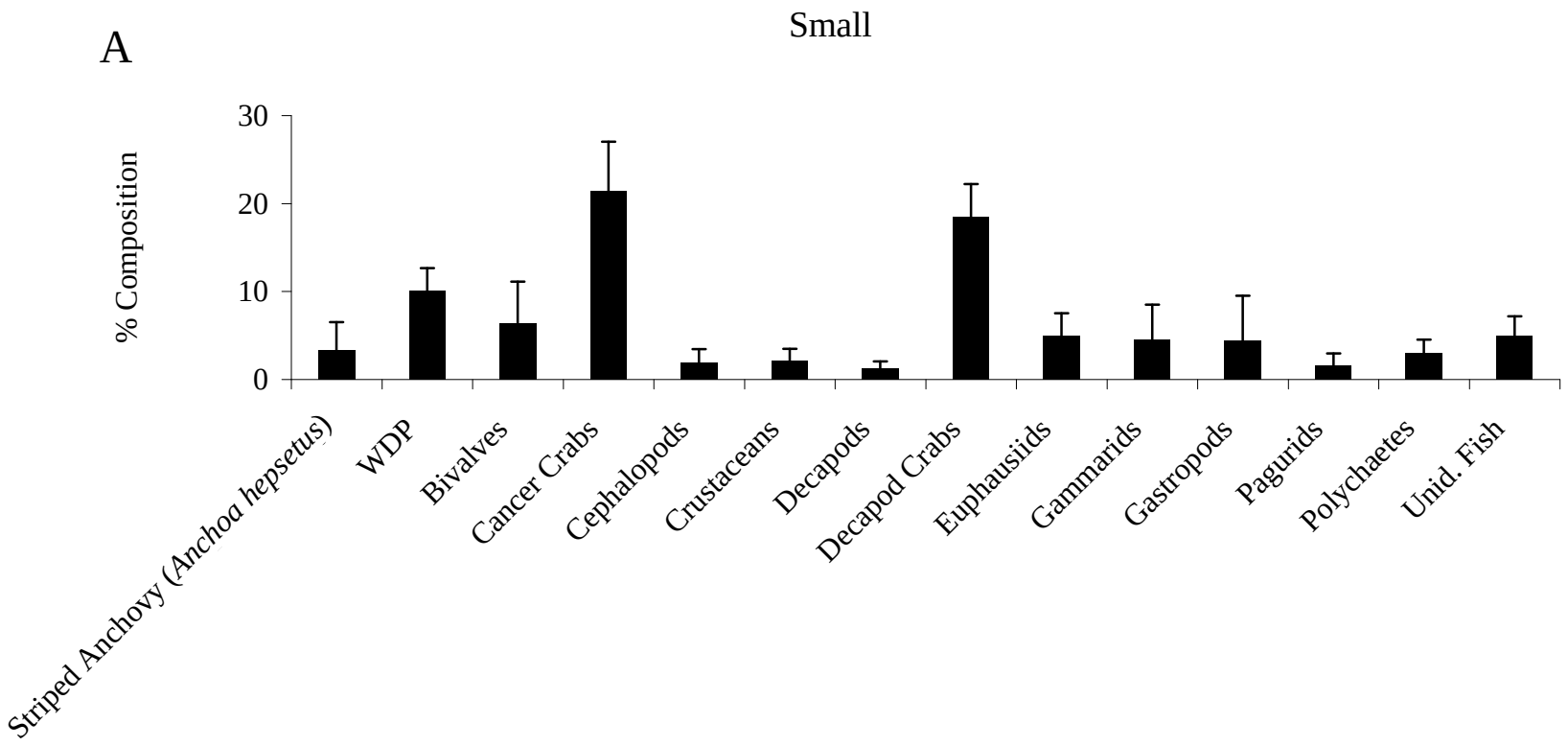

Figure 170A. Percent diet composition by weight of major prey taxa for black sea bass (*Centropristis striata*) in the small size class (n = 1,372). WDP = well-digested prey; Unid. Fish = unidentified fish.

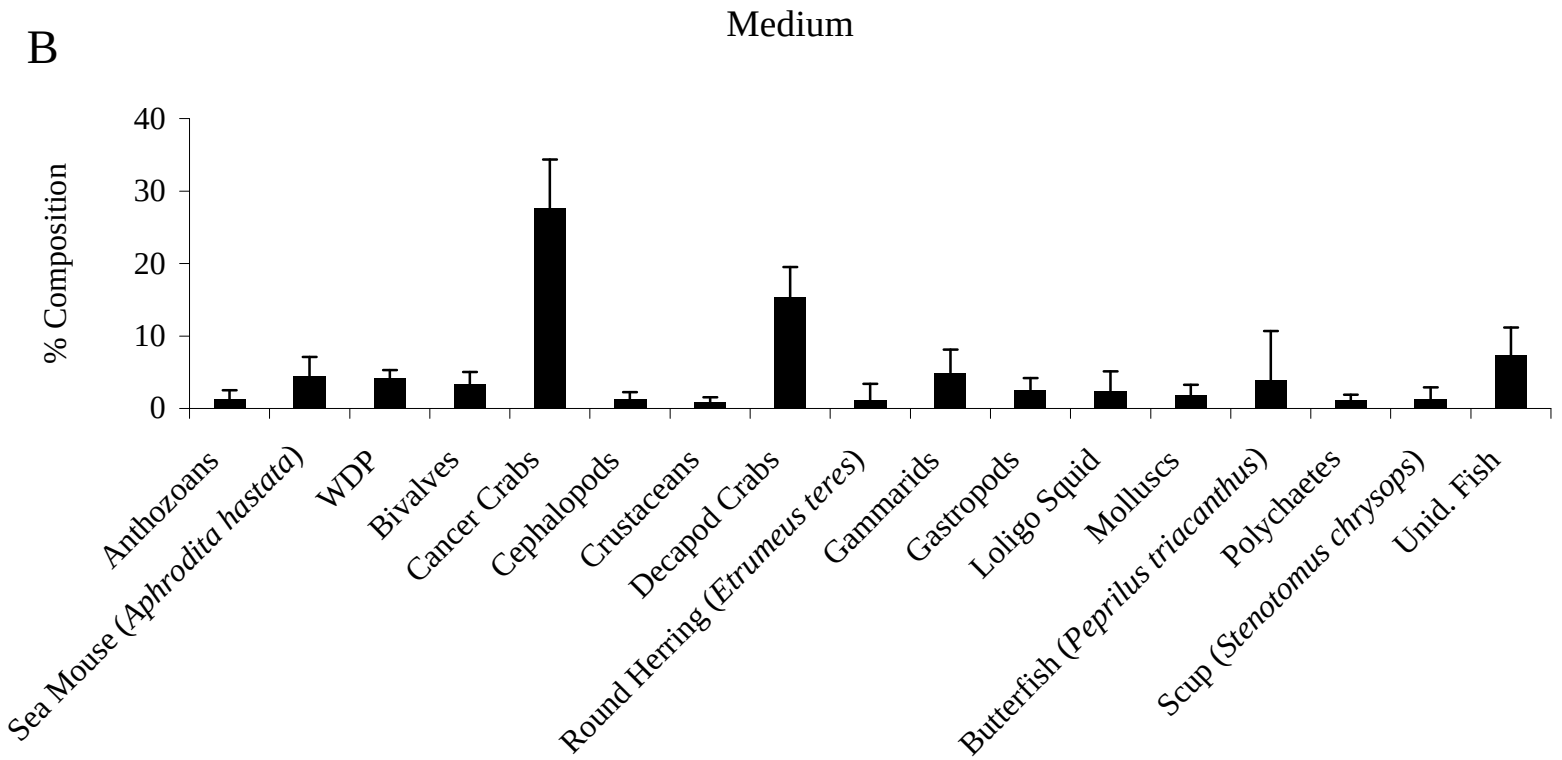

Figure 170B. Percent diet composition by weight of major prey taxa for black sea bass (*Centropristis striata*) in the in the medium size class (n = 1,002). WDP = well-digested prey; Unid. Fish = unidentified fish.

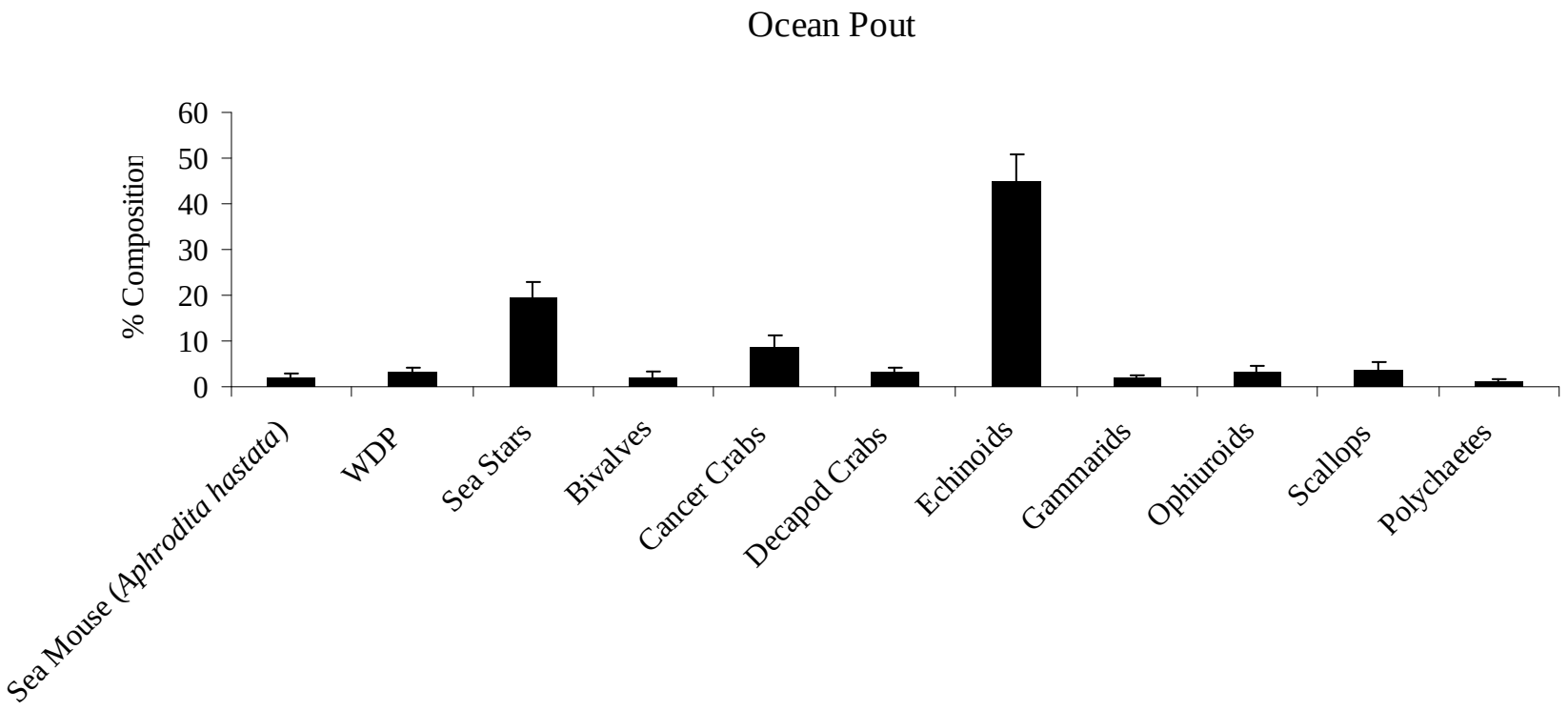

Figure 171. Percent diet composition by weight of major prey taxa for ocean pout (*Zoarces americanus*; n = 3,478). WDP = well-digested prey.

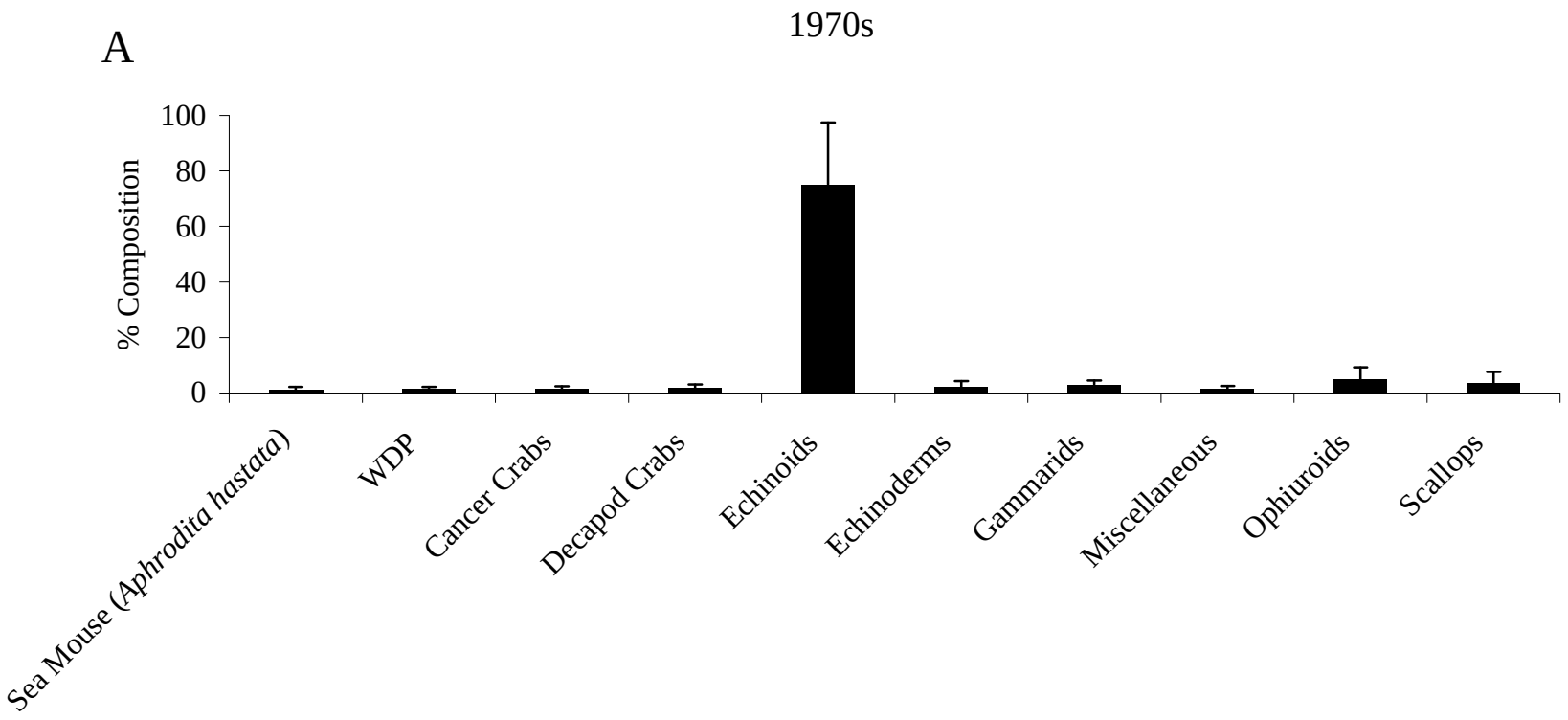

Figure 172A. Percent diet composition by weight of major prey taxa for ocean pout (*Zoarces americanus*) collected in the 1970s (n = 459). WDP = well-digested prey.

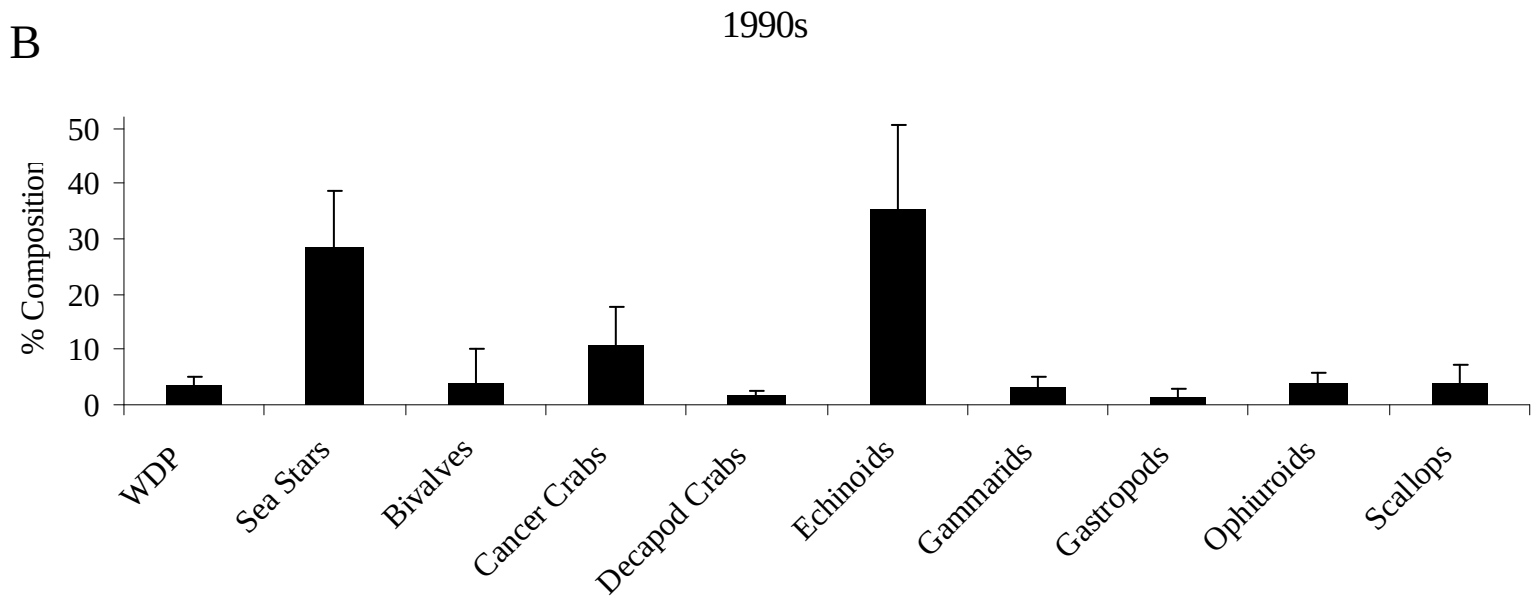

Figure 172B. Percent diet composition by weight of major prey taxa for ocean pout (*Zoarces americanus*) collected in the 1990s (n = 627). WDP = well-digested prey.

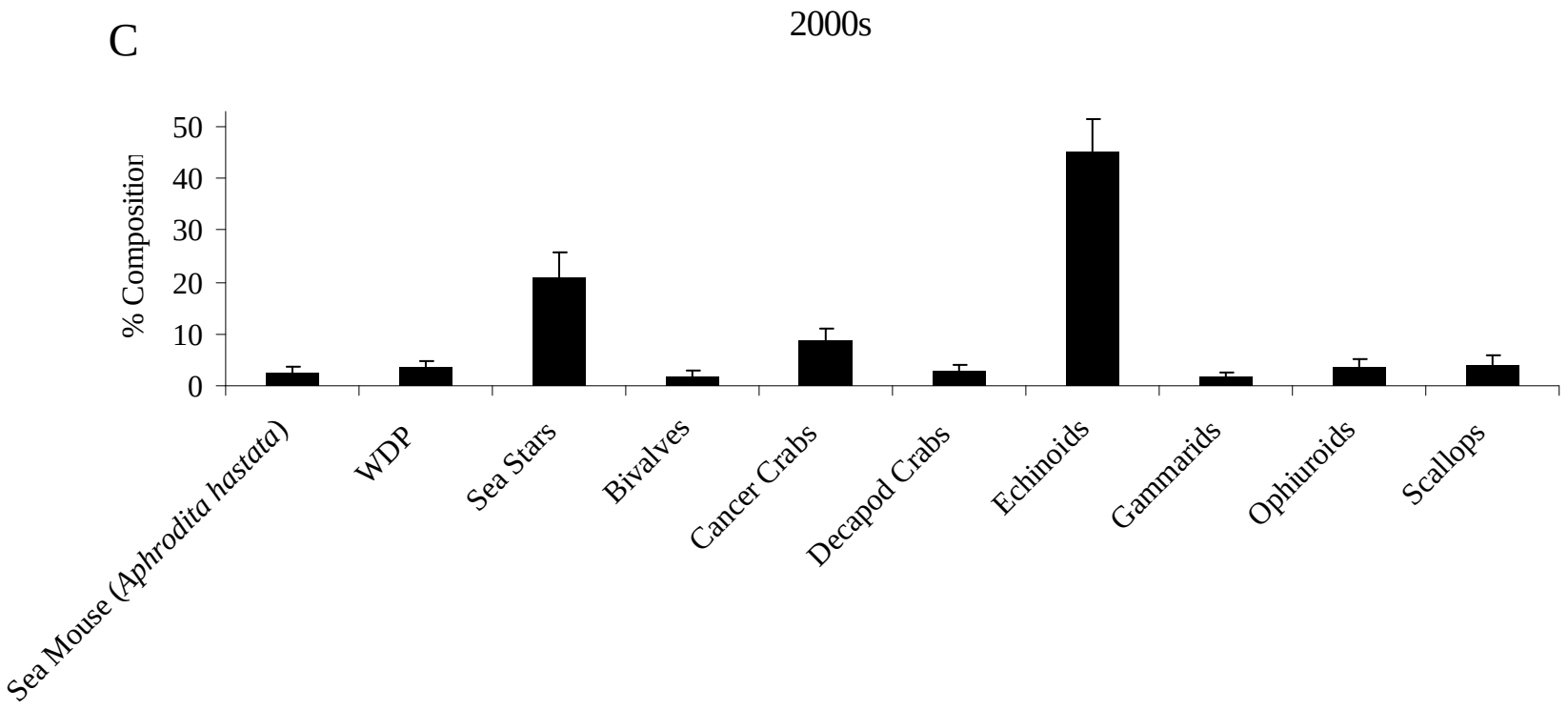

Figure 172C. Percent diet composition by weight of major prey taxa for ocean pout (*Zoarces americanus*) collected in the 2000s (n = 2,222). WDP = well-digested prey.

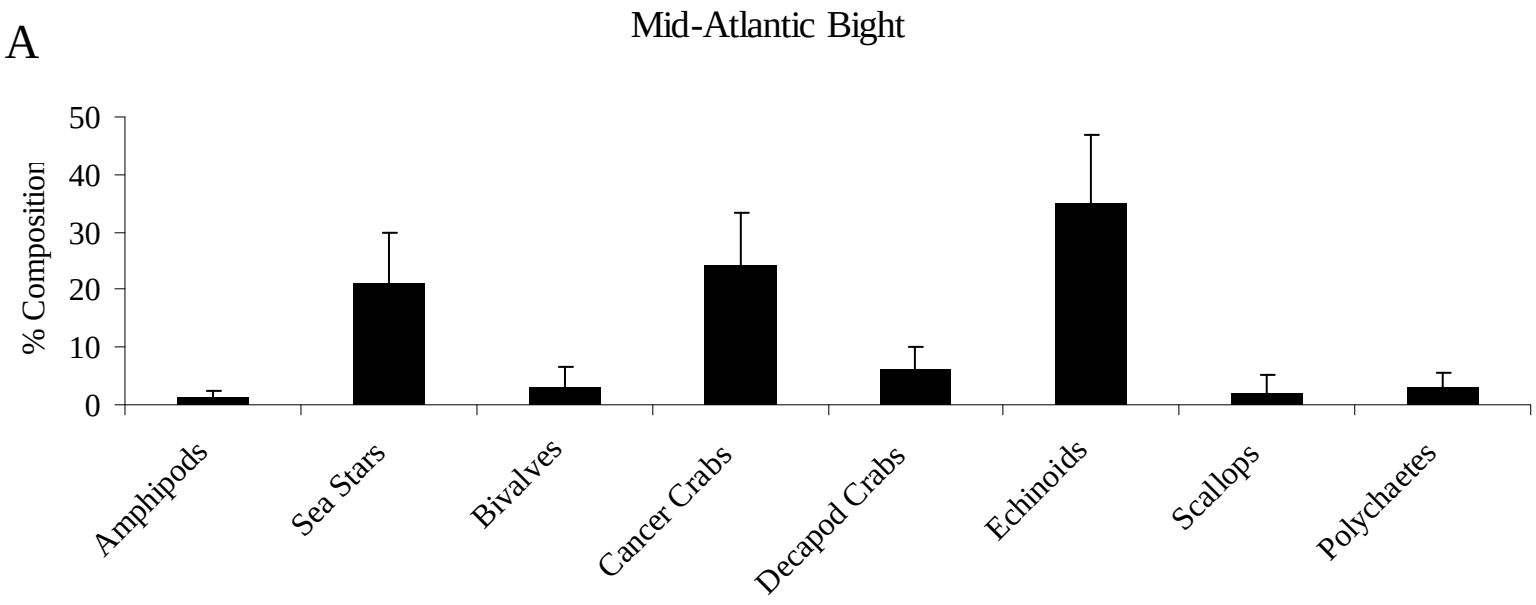

Figure 173A. Percent diet composition by weight of major prey taxa for ocean pout (*Zoarces americanus*) collected in the Mid-Atlantic Bight (n = 238).

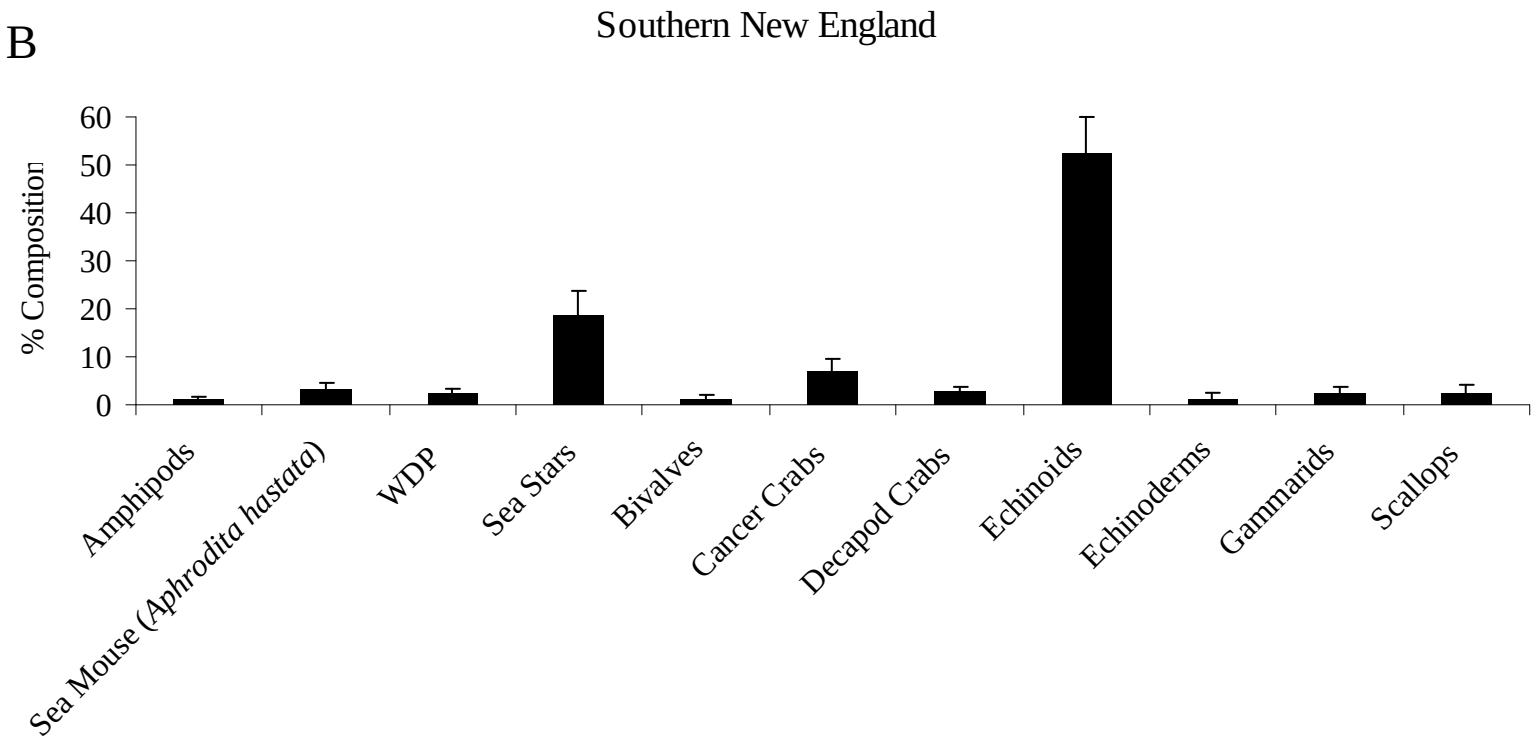

Figure 173B. Percent diet composition by weight of major prey taxa for ocean pout (*Zoarces americanus*) collected in Southern New England (n = 1,652). WDP = well-digested prey.

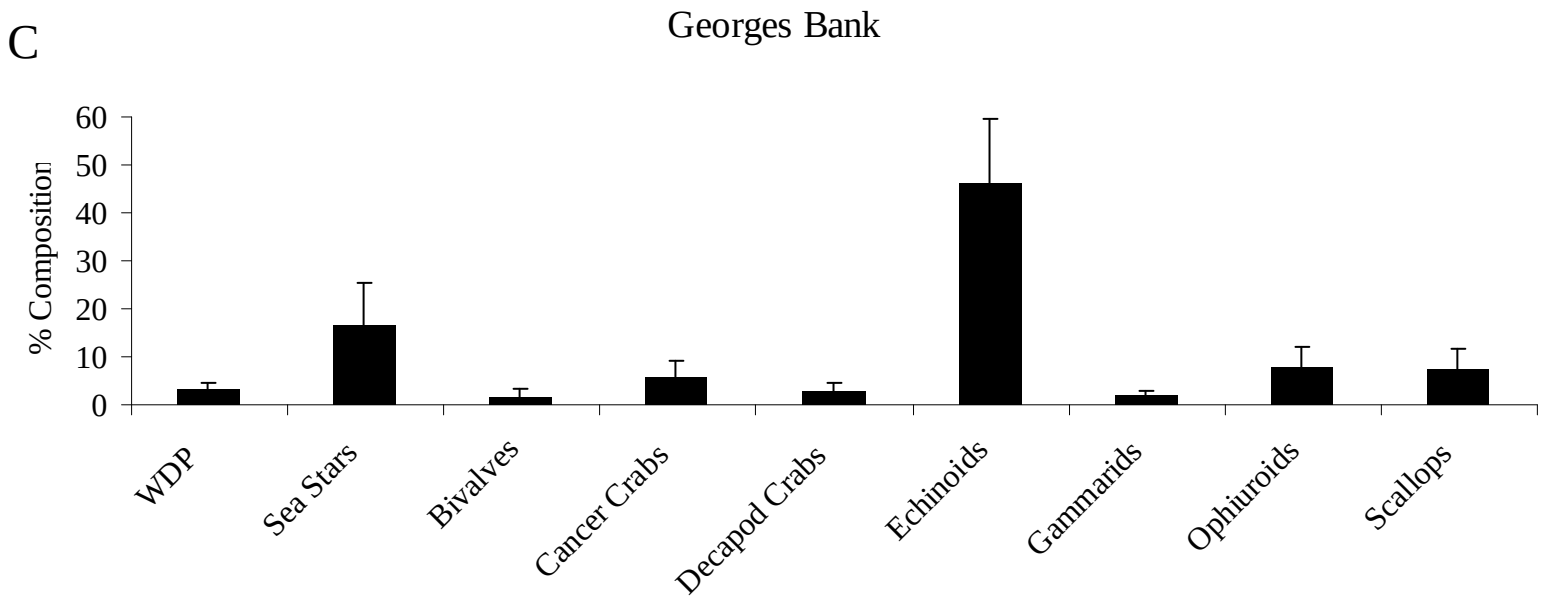

Figure 173C. Percent diet composition by weight of major prey taxa for ocean pout (*Zoarces americanus*) collected on Georges Bank (n = 972). WDP = well-digested prey.

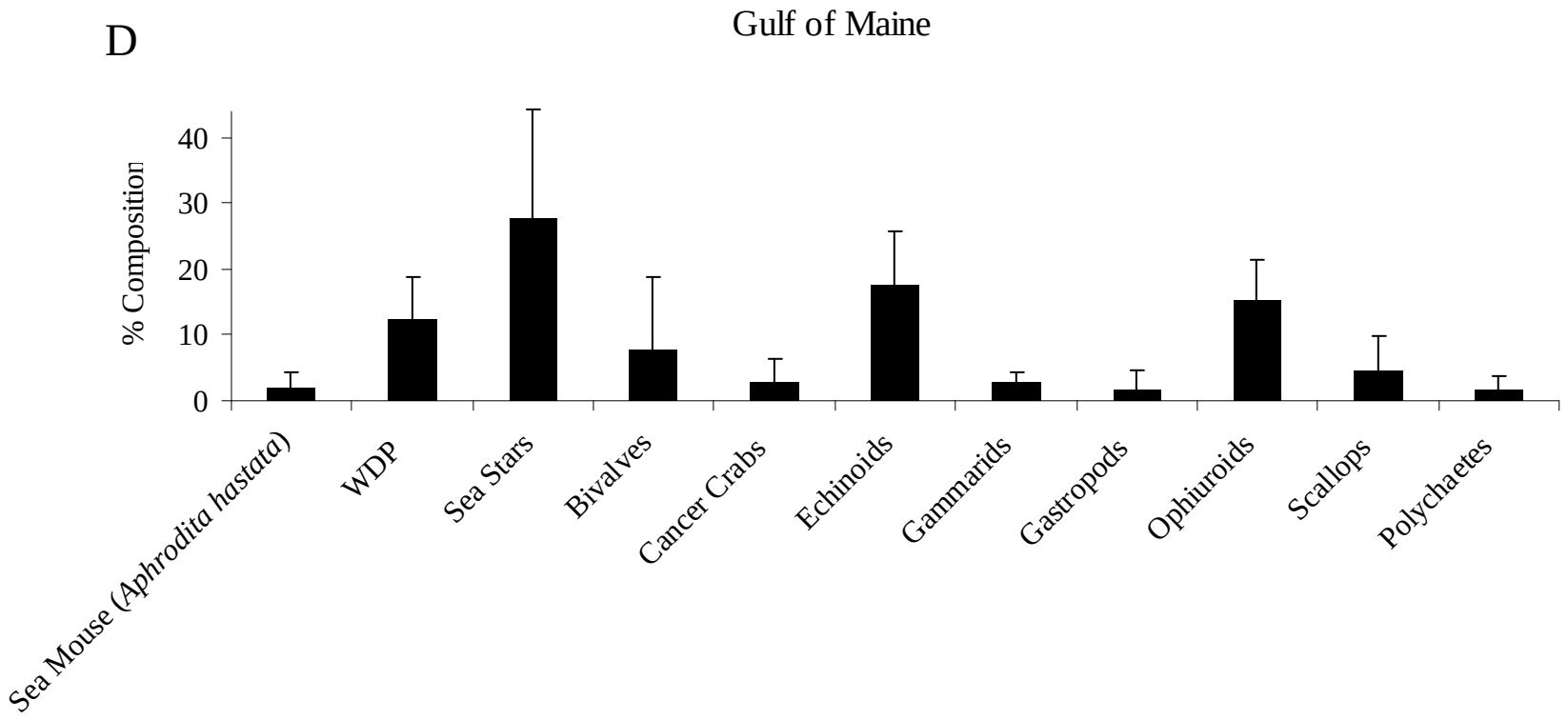

Figure 173D. Percent diet composition by weight of major prey taxa for ocean pout (*Zoarces americanus*) collected in the Gulf of Maine (n = 495). WDP = well-digested prey.

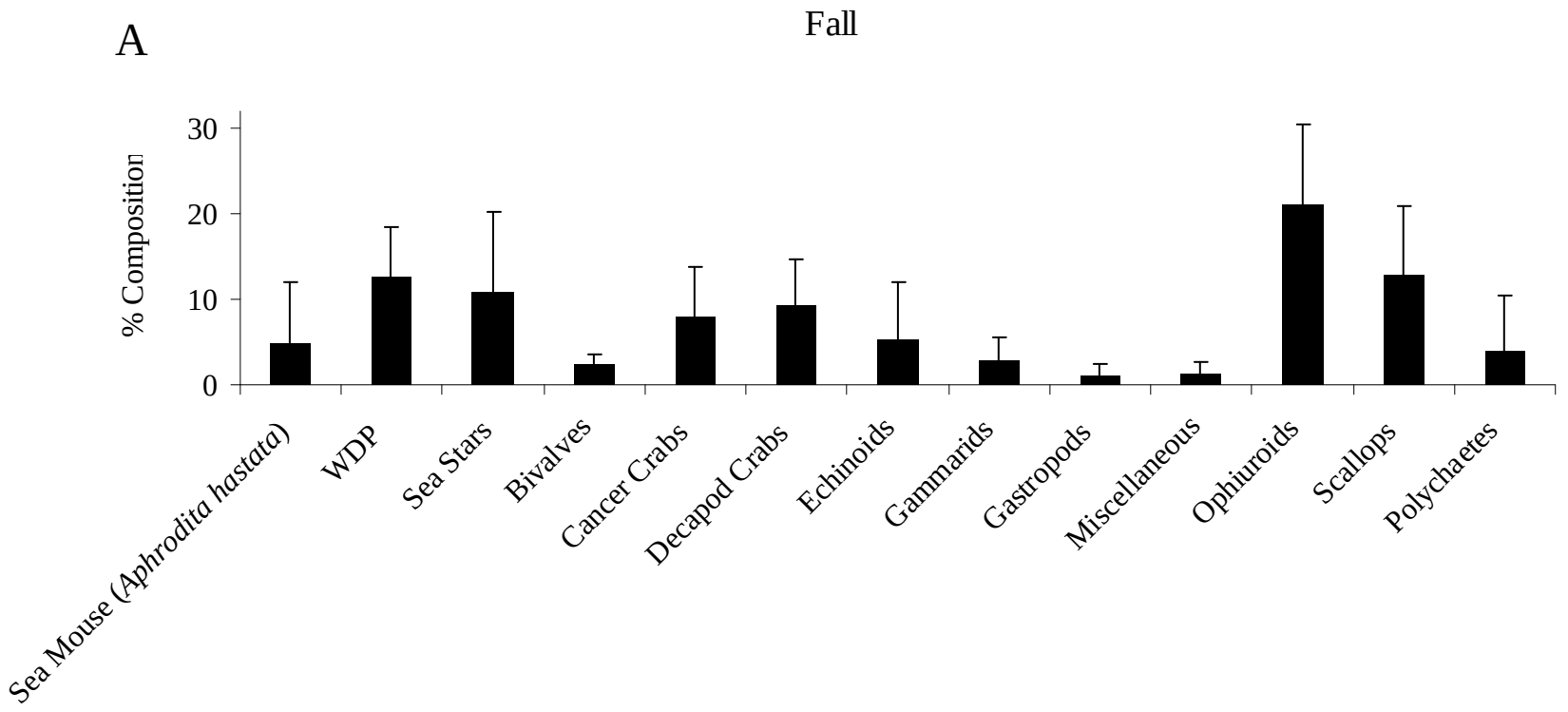

Figure 174A. Percent diet composition by weight of major prey taxa for ocean pout (*Zoarces americanus*) collected in the fall (n = 612). WDP = well-digested prey.

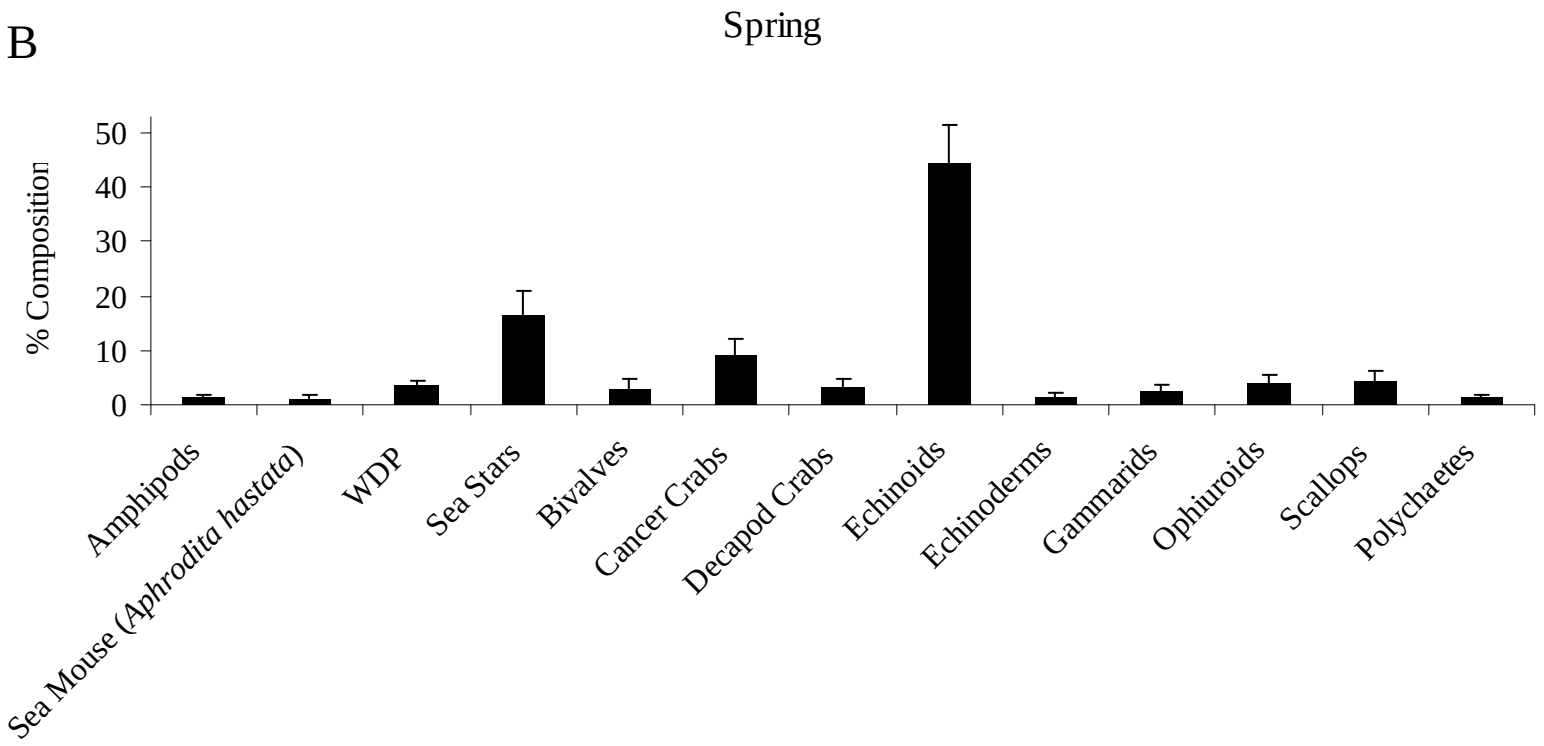

Figure 174B. Percent diet composition by weight of major prey taxa for ocean pout (*Zoarces americanus*) collected in the spring (n = 1,958). WDP = well-digested prey.

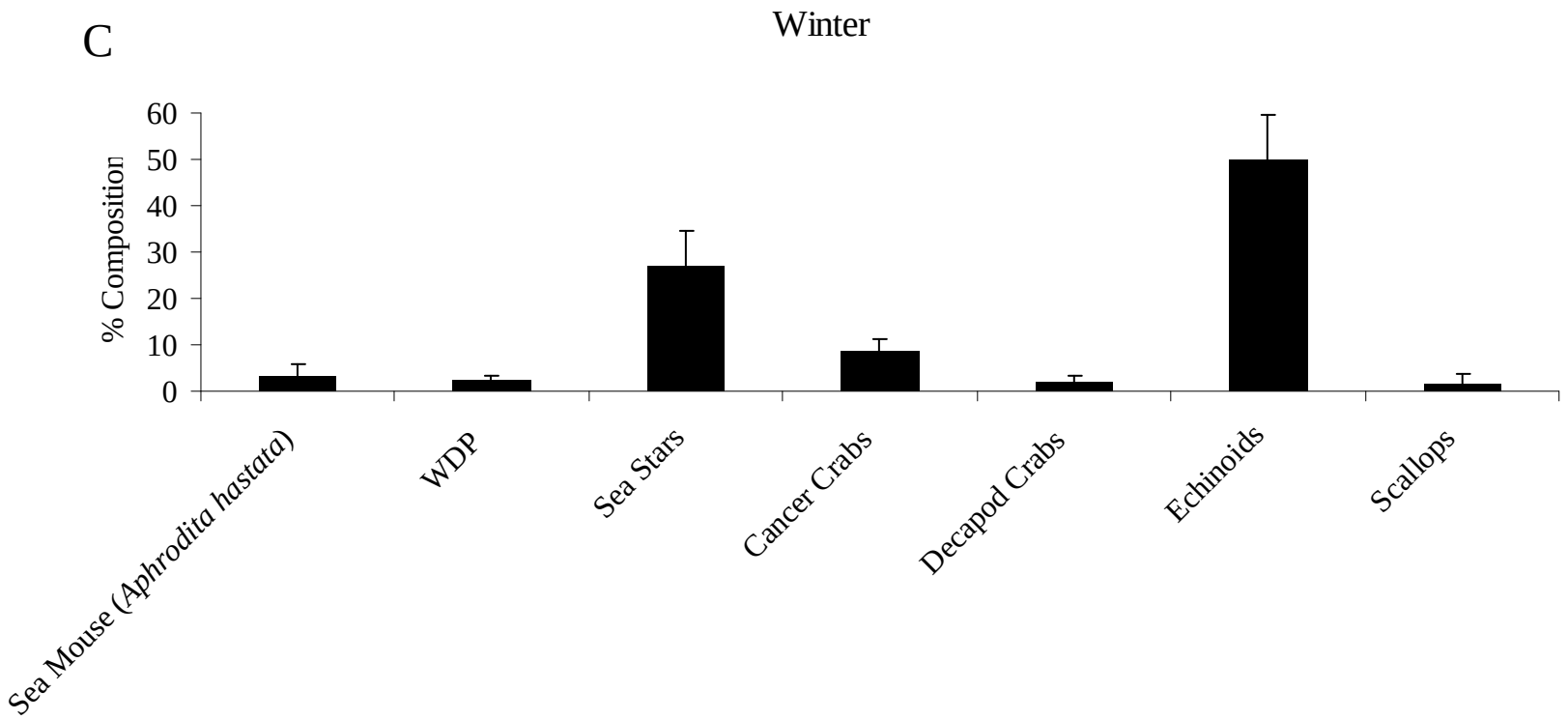

Figure 174C. Percent diet composition by weight of major prey taxa for ocean pout (*Zoarces americanus*) collected in the winter (n = 857). WDP = well-digested prey.

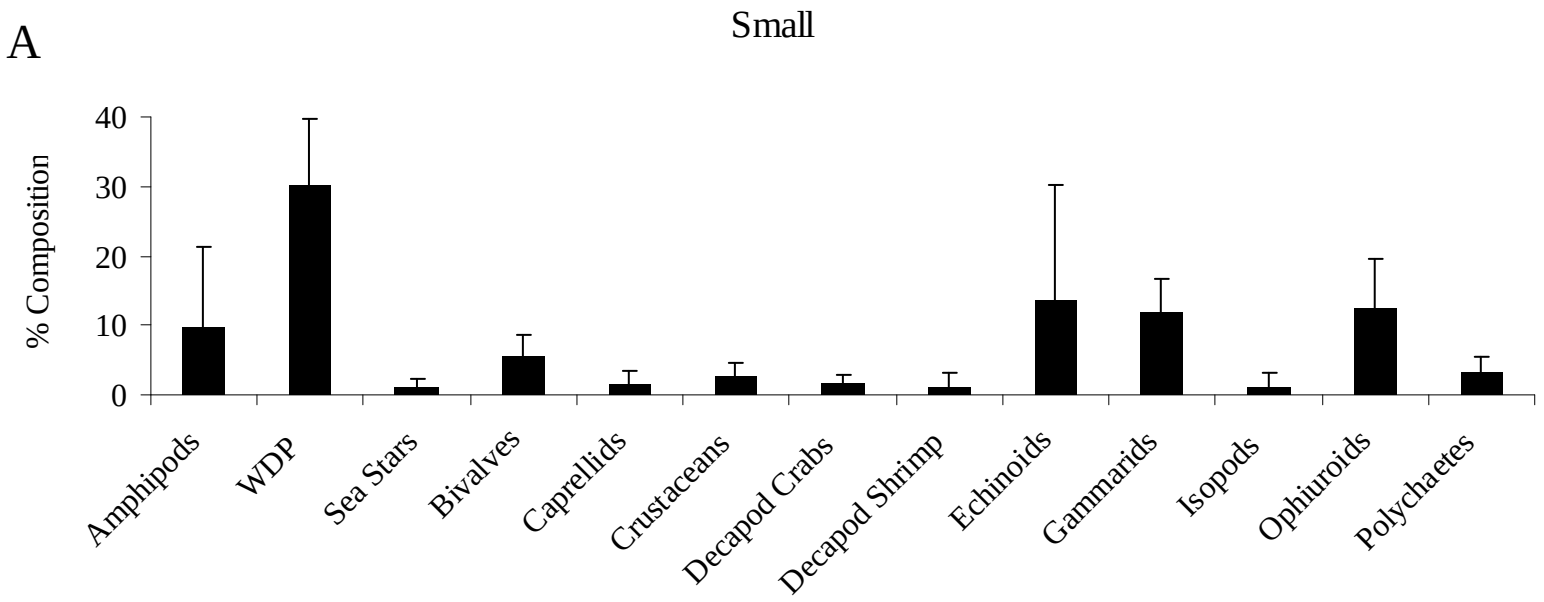

Figure 175A. Percent diet composition by weight of major prey taxa for ocean pout (*Zoarces americanus*) in the small size class (n = 543). WDP = well-digested prey.

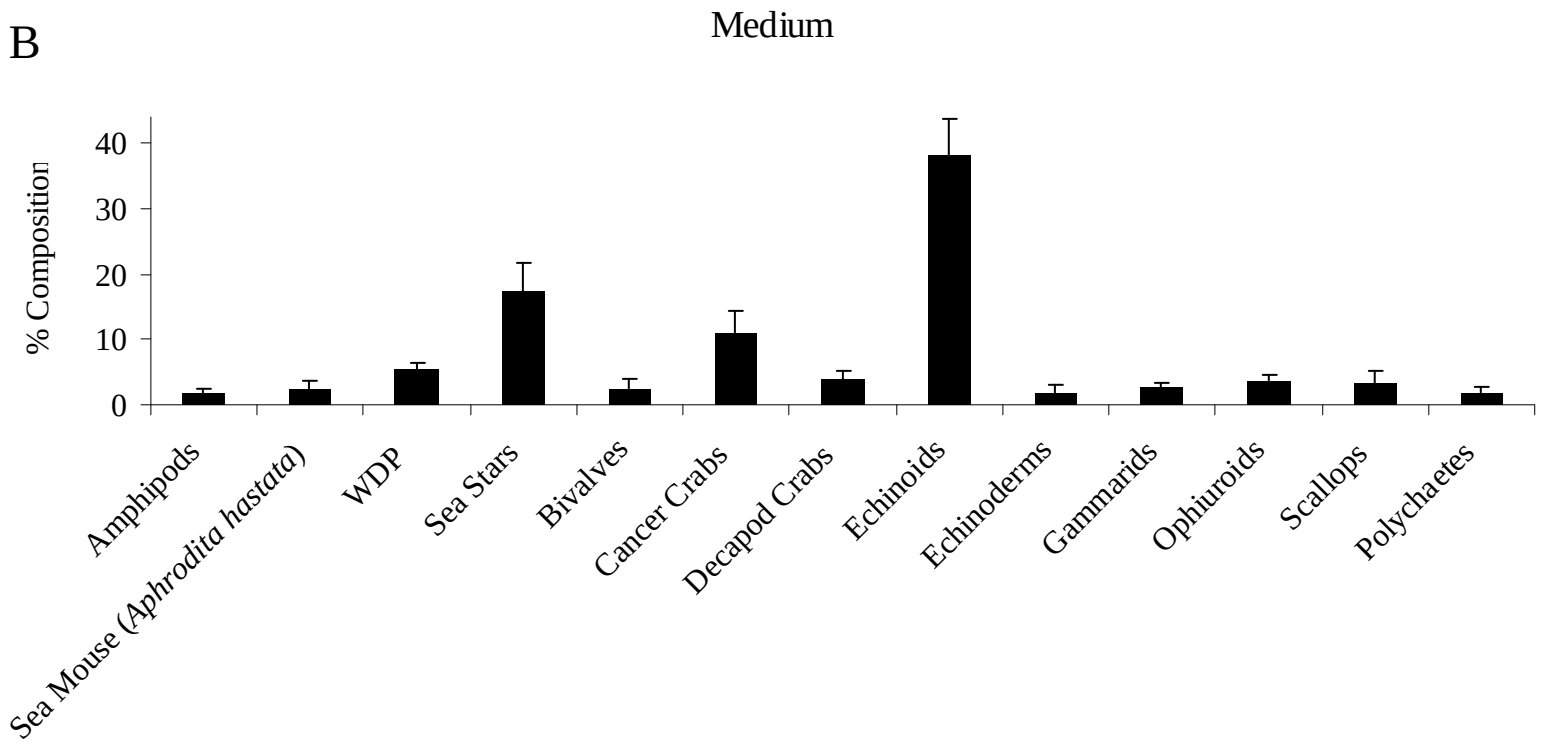

Figure 175B. Percent diet composition by weight of major prey taxa for ocean pout (*Zoarces americanus*) in the medium size class (n = 2,270). WDP = well-digested prey.

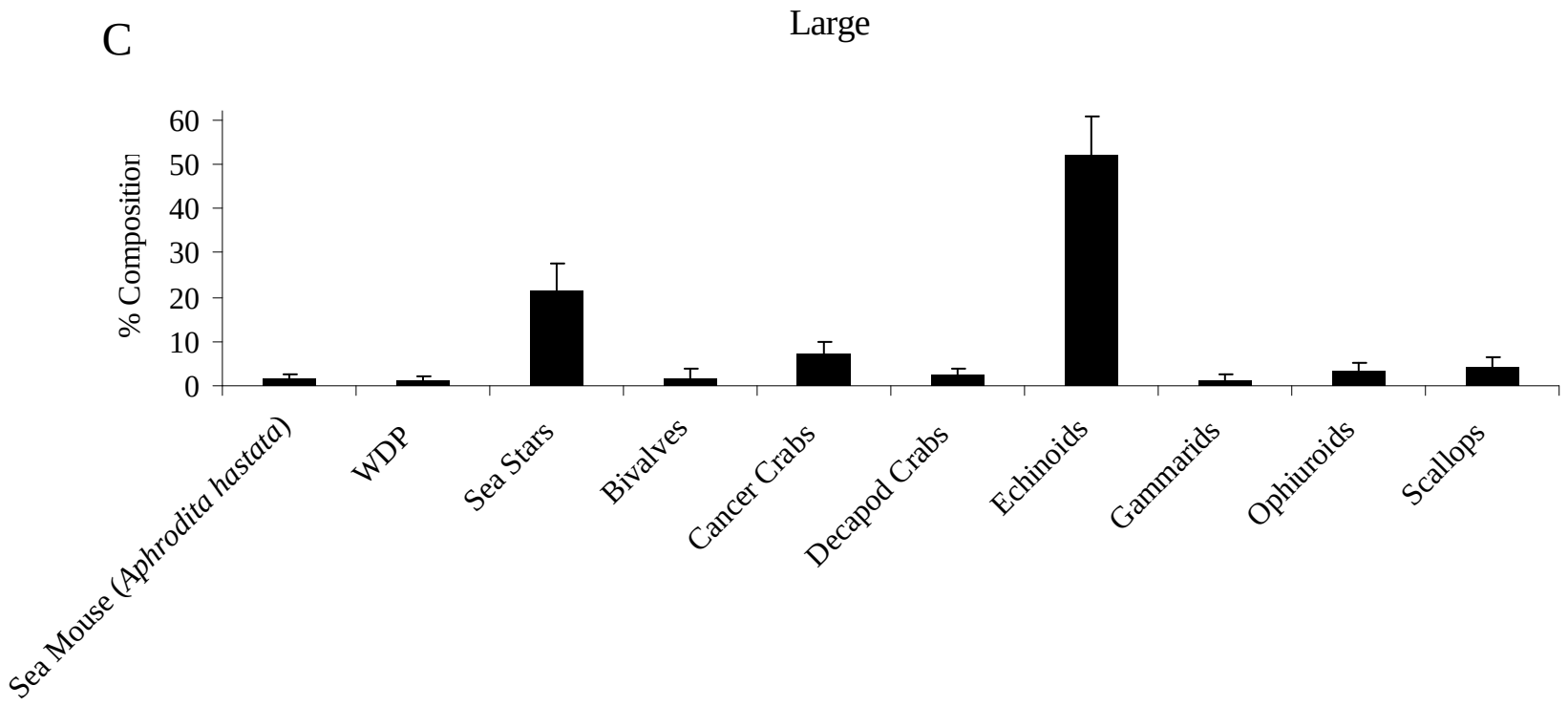

Figure 175C. Percent diet composition by weight of major prey taxa for ocean pout (*Zoarces americanus*) in the large size class (n = 665). WDP = well-digested prey.

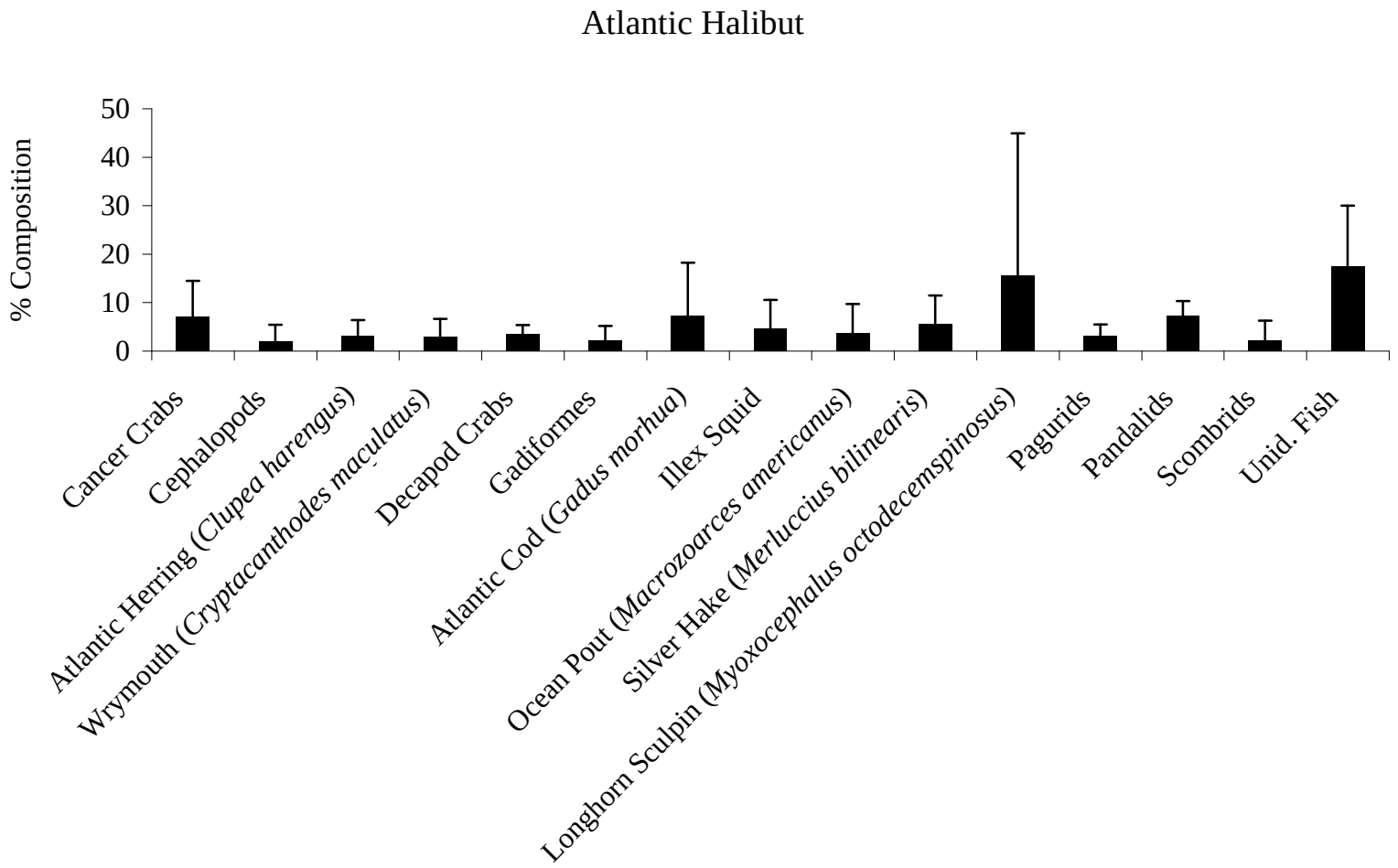

Figure 176. Percent diet composition by weight of major prey taxa for Atlantic halibut (*Hippoglossus hippoglossus*; n = 447). Unid. Fish = unidentified fish.

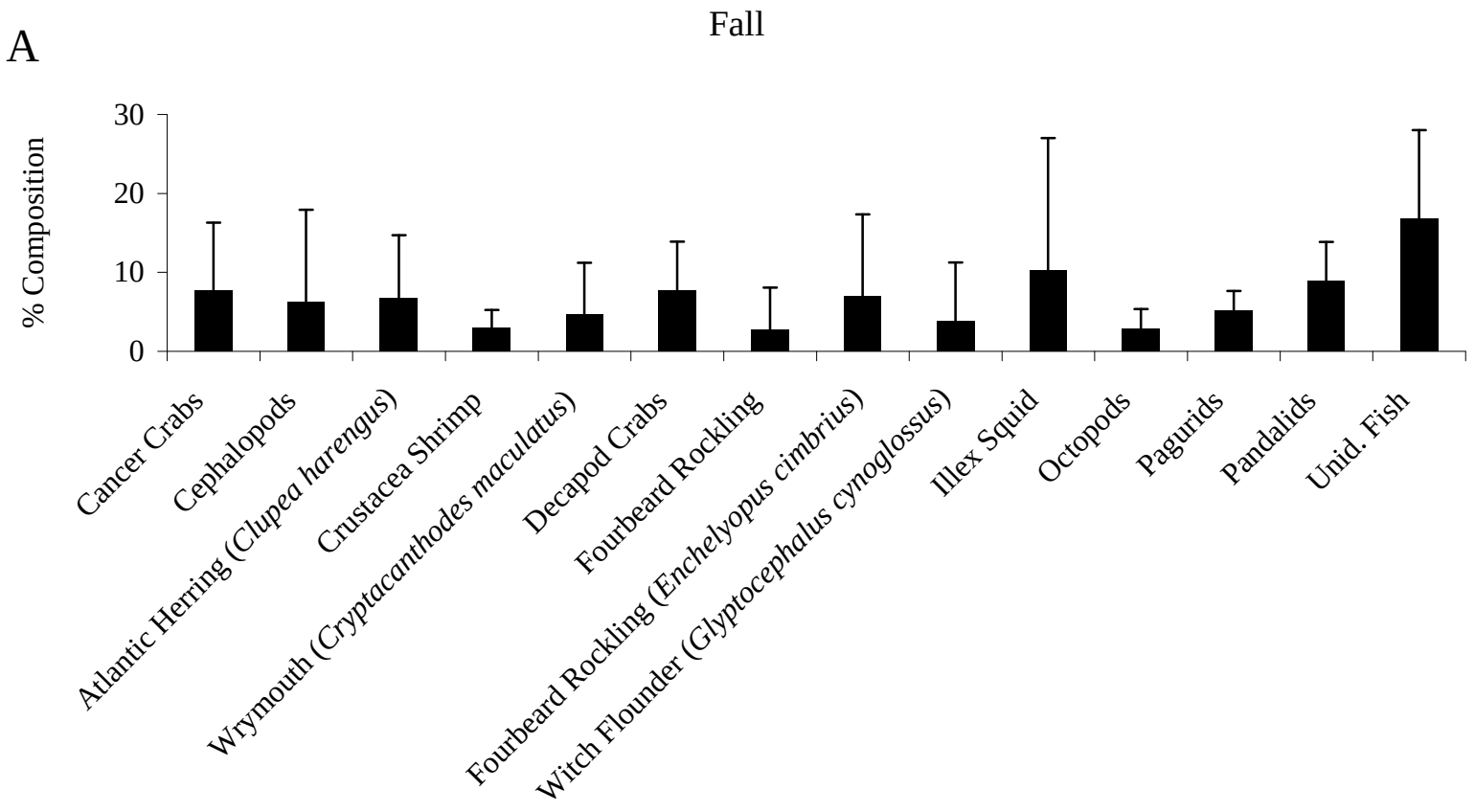

Figure 177A. Percent diet composition by weight of major prey taxa for Atlantic halibut (*Hippoglossus hippoglossus*; collected in the fall (n = 214). Unid. Fish = unidentified fish.

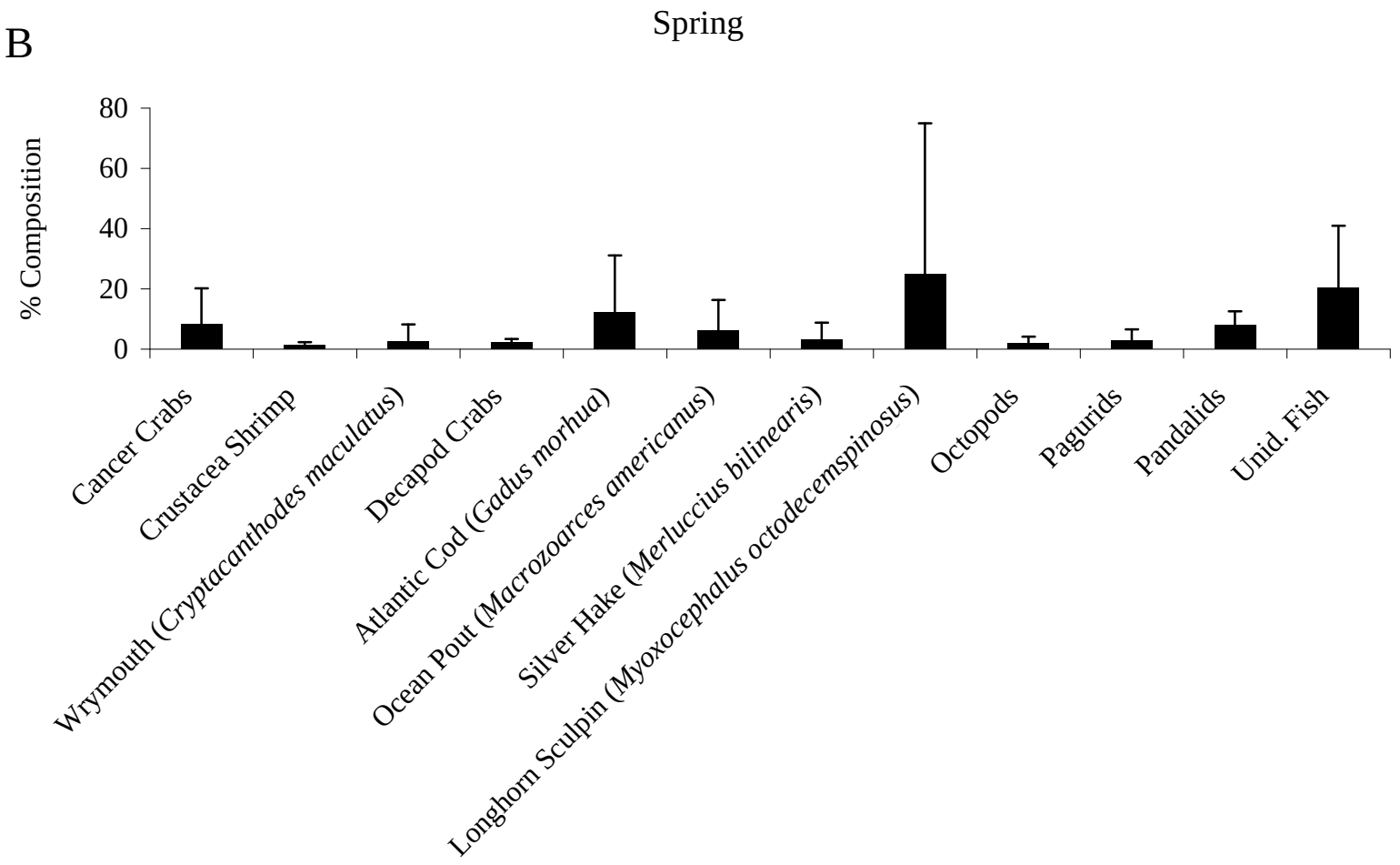

Figure 177B. Percent diet composition by weight of major prey taxa for Atlantic halibut (*Hippoglossus hippoglossus*; collected in the spring (n = 201). Unid. Fish = unidentified fish.

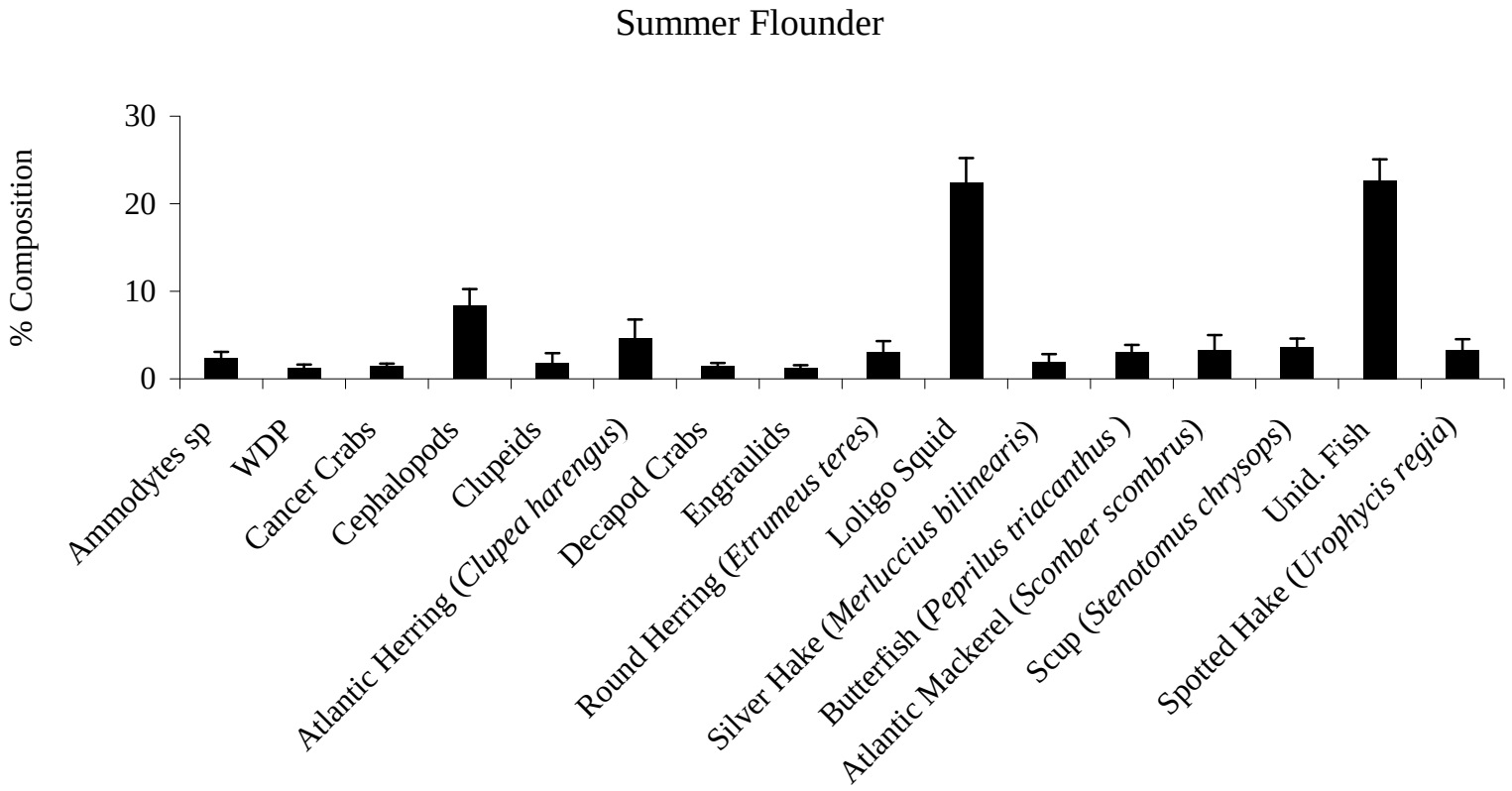

Figure 178. Percent diet composition by weight of major prey taxa for summer flounder (*Paralichthys dentatus*; n = 17,387). WDP = well-digested prey; Unid. Fish = unidentified fish.

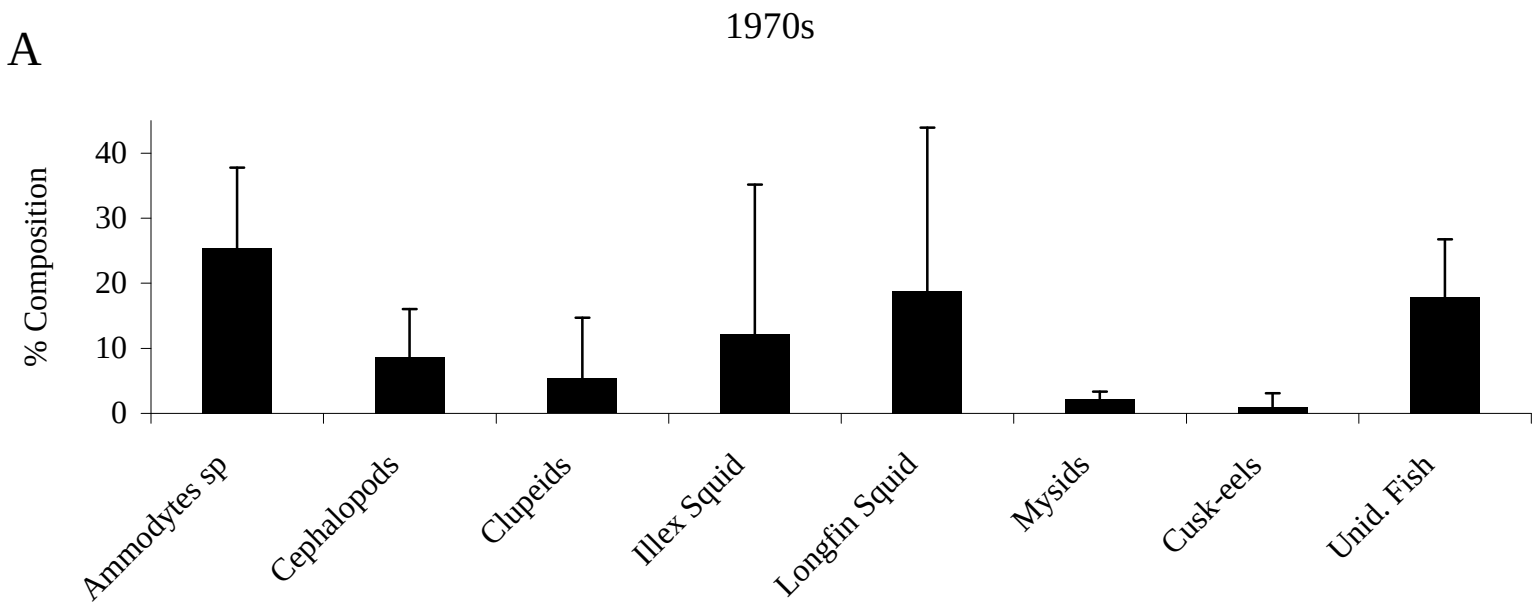

Figure 179A. Percent diet composition by weight of major prey taxa for summer flounder (*Paralichthys dentatus*) collected in the 1970s (n = 517). Unid. Fish = unidentified fish.

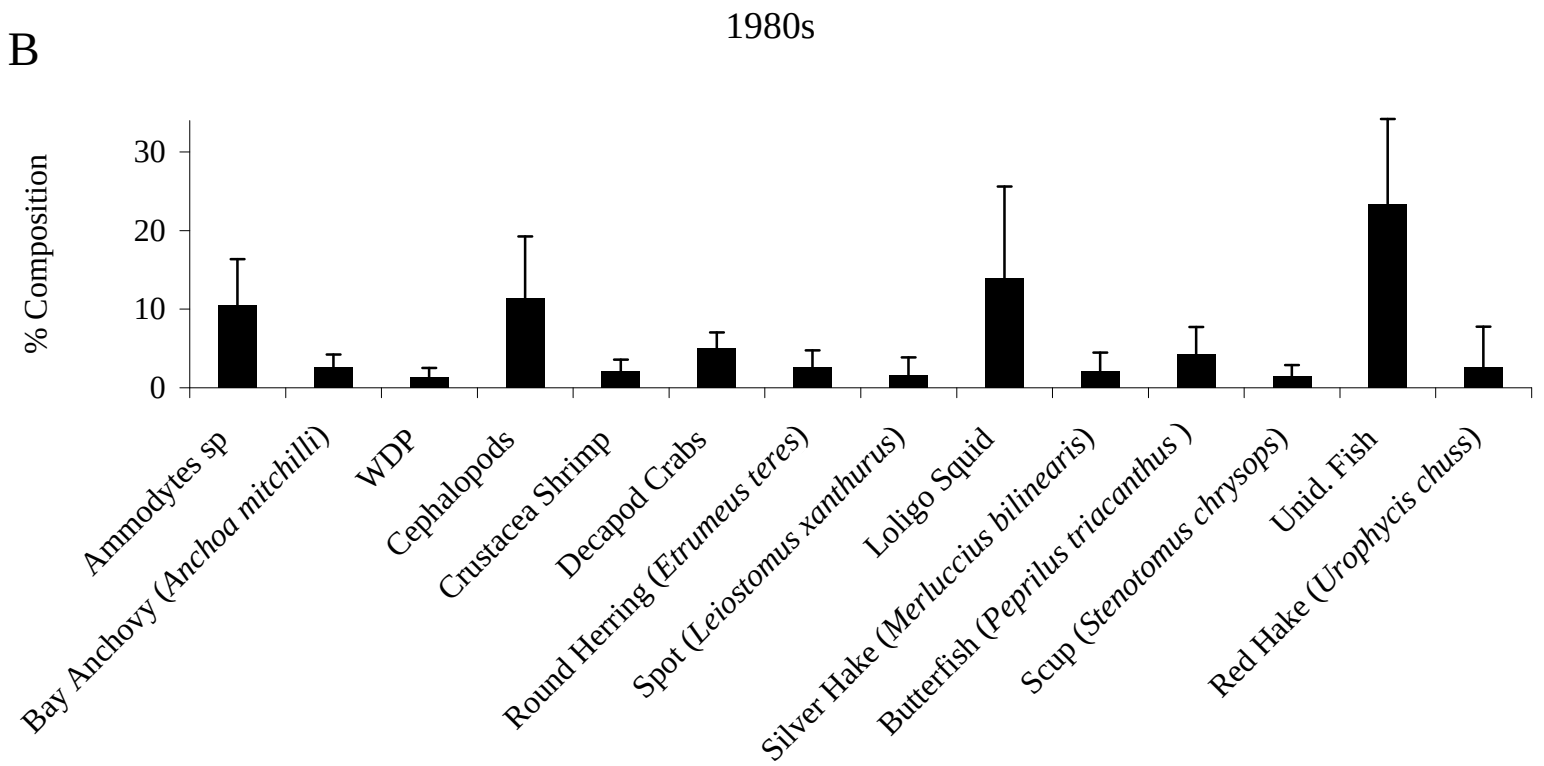

Figure 179B. Percent diet composition by weight of major prey taxa for summer flounder (*Paralichthys dentatus*) collected collected in the 1980s (n = 1,334). WDP = well-digested prey; Unid. Fish = unidentified fish.

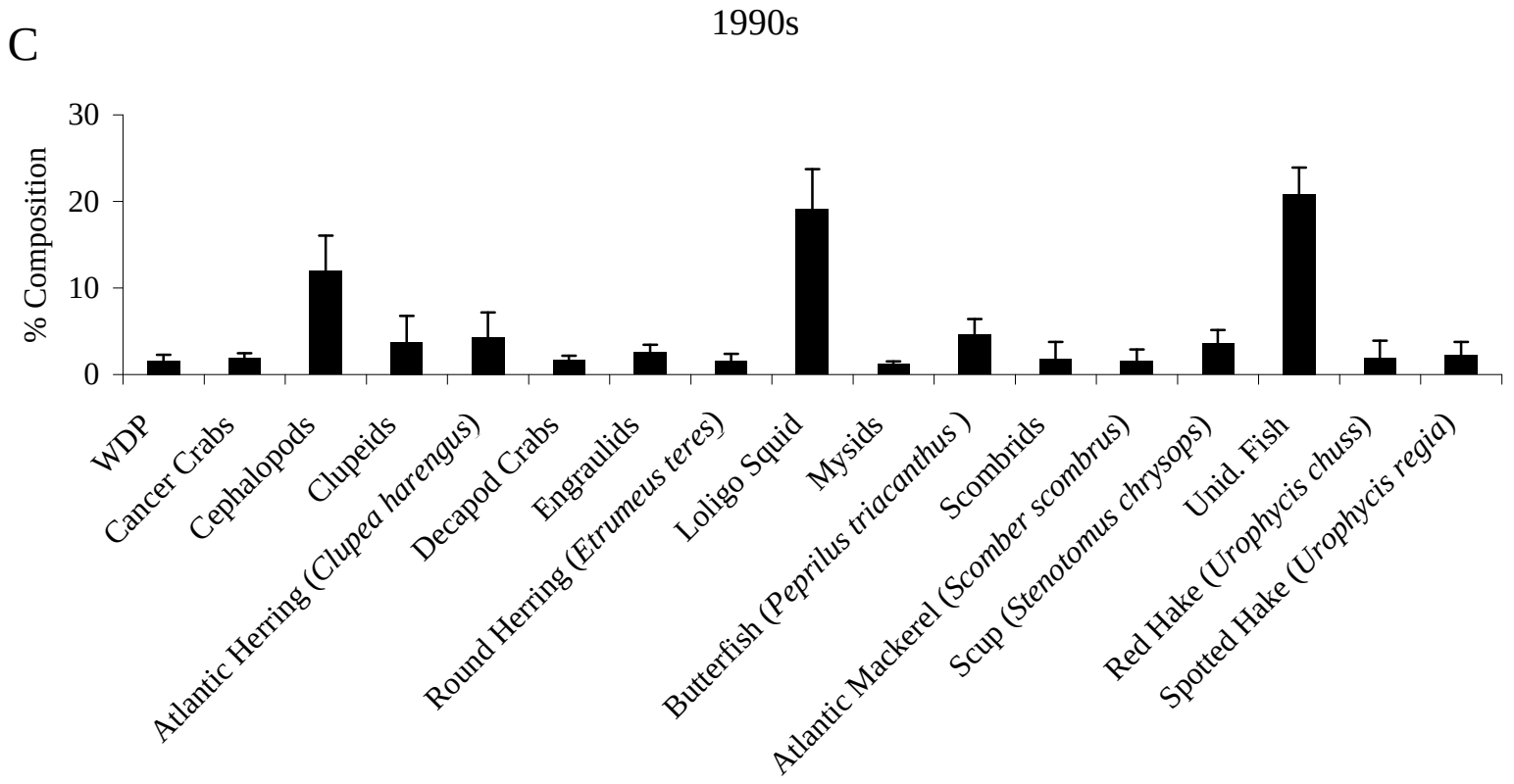

Figure 179C. Percent diet composition by weight of major prey taxa for summer flounder (*Paralichthys dentatus*) collected in the 1990s (n = 8,889). WDP = well-digested prey; Unid. Fish = unidentified fish.

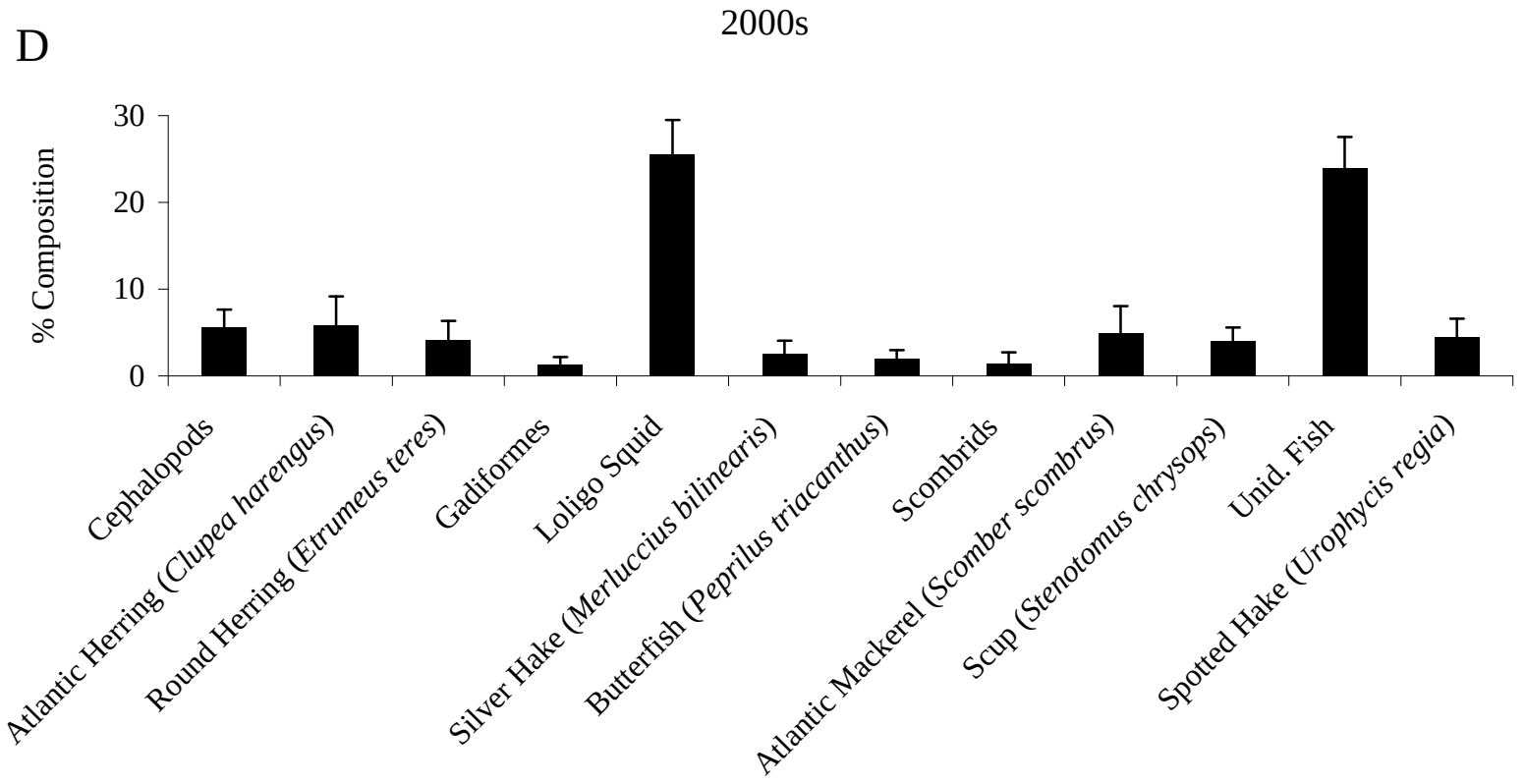

Figure 179D. Percent diet composition by weight of major prey taxa for summer flounder (*Paralichthys dentatus*) collected in the 2000s (n = 6,647). Unid. Fish = unidentified fish.

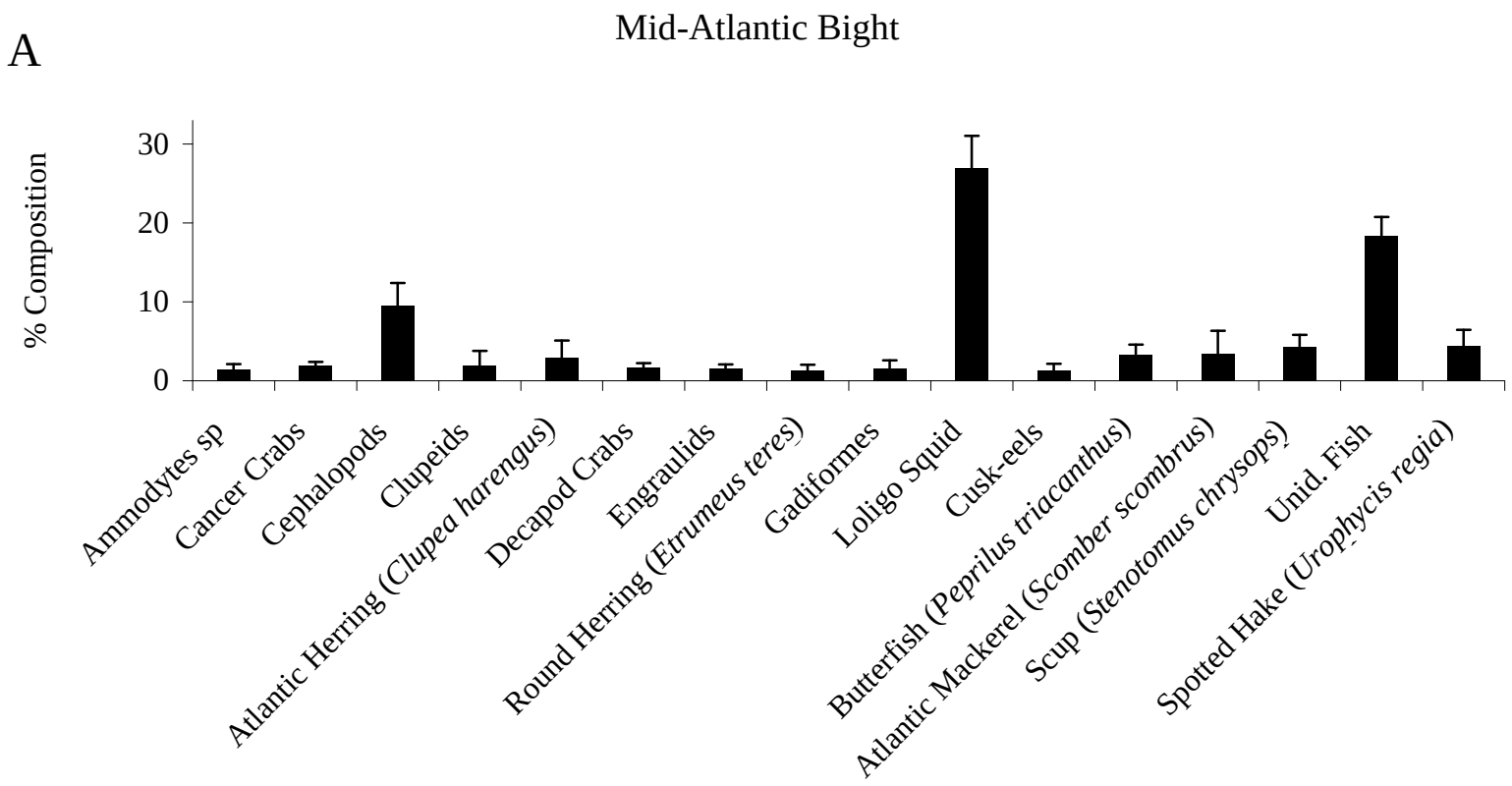

Figure 180A. Percent diet composition by weight of major prey taxa for summer flounder (*Paralichthys dentatus*) collected in the Mid-Atlantic Bight (n = 10,377). Unid. Fish = unidentified fish.

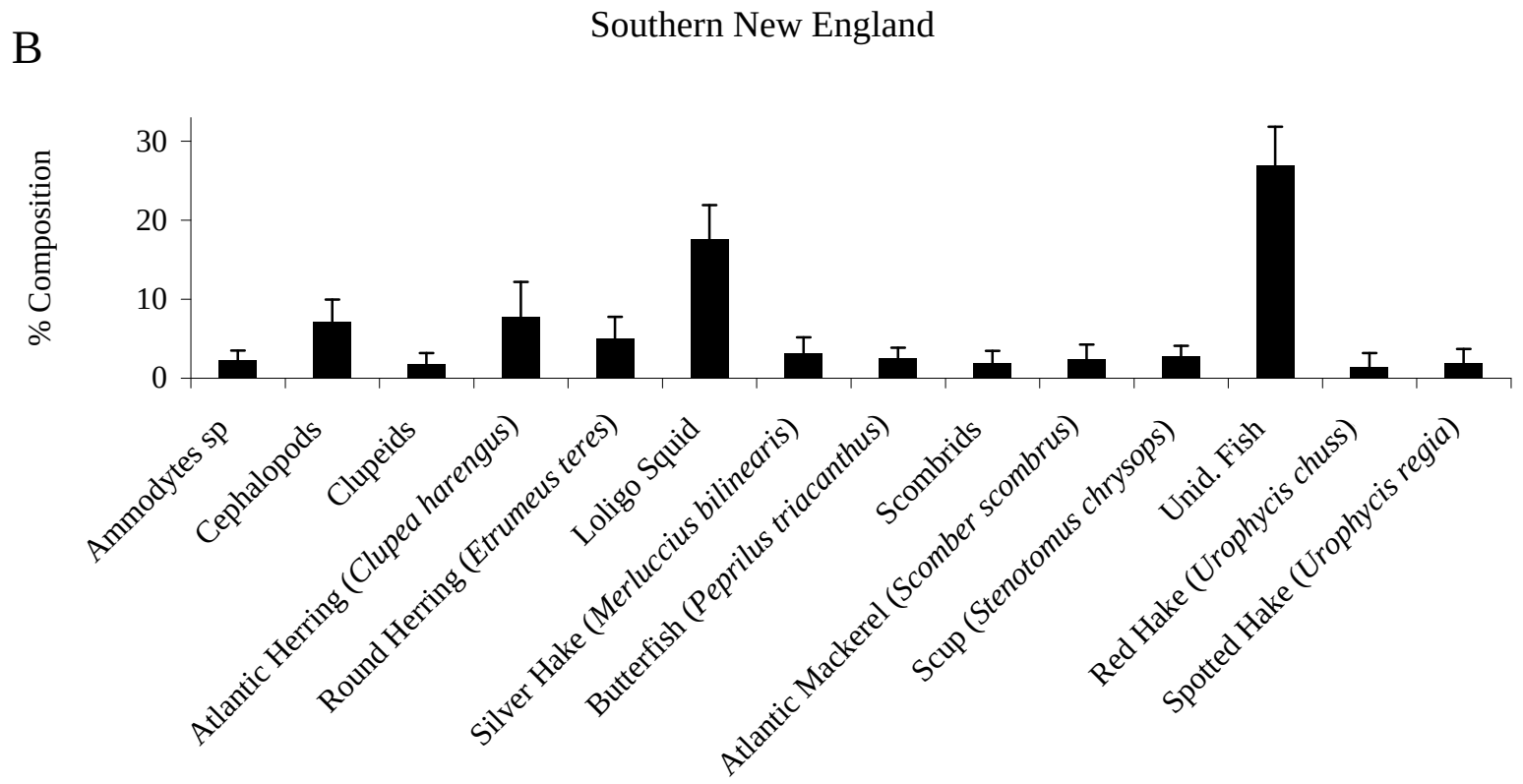

Figure 180B. Percent diet composition by weight of major prey taxa for summer flounder (*Paralichthys dentatus*) collected in Southern New England (n = 6,080). Unid. Fish = unidentified fish.

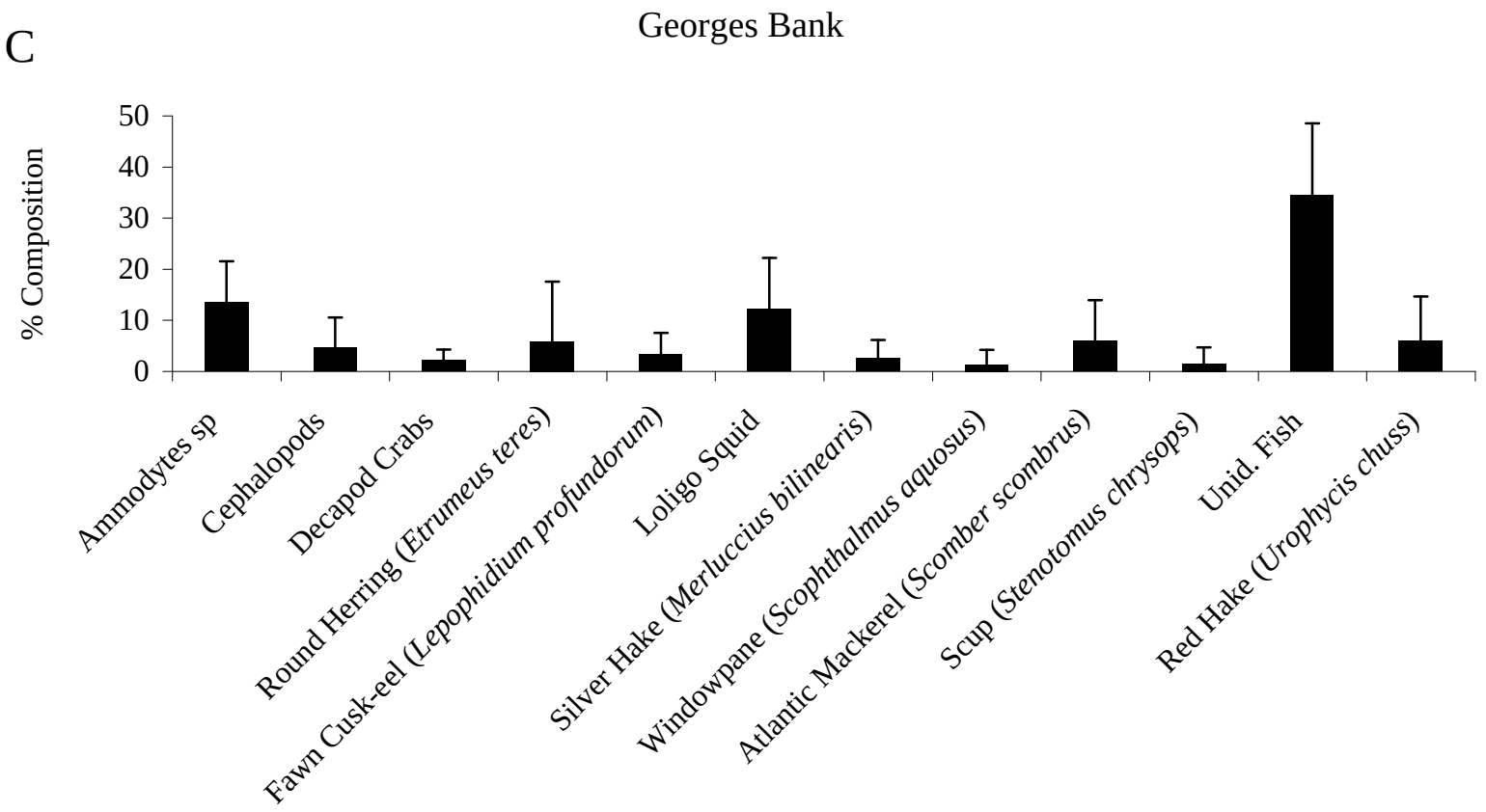

Figure 180C. Percent diet composition by weight of major prey taxa for summer flounder (*Paralichthys dentatus*) collected on Georges Bank (n = 664). Unid. Fish = unidentified fish.

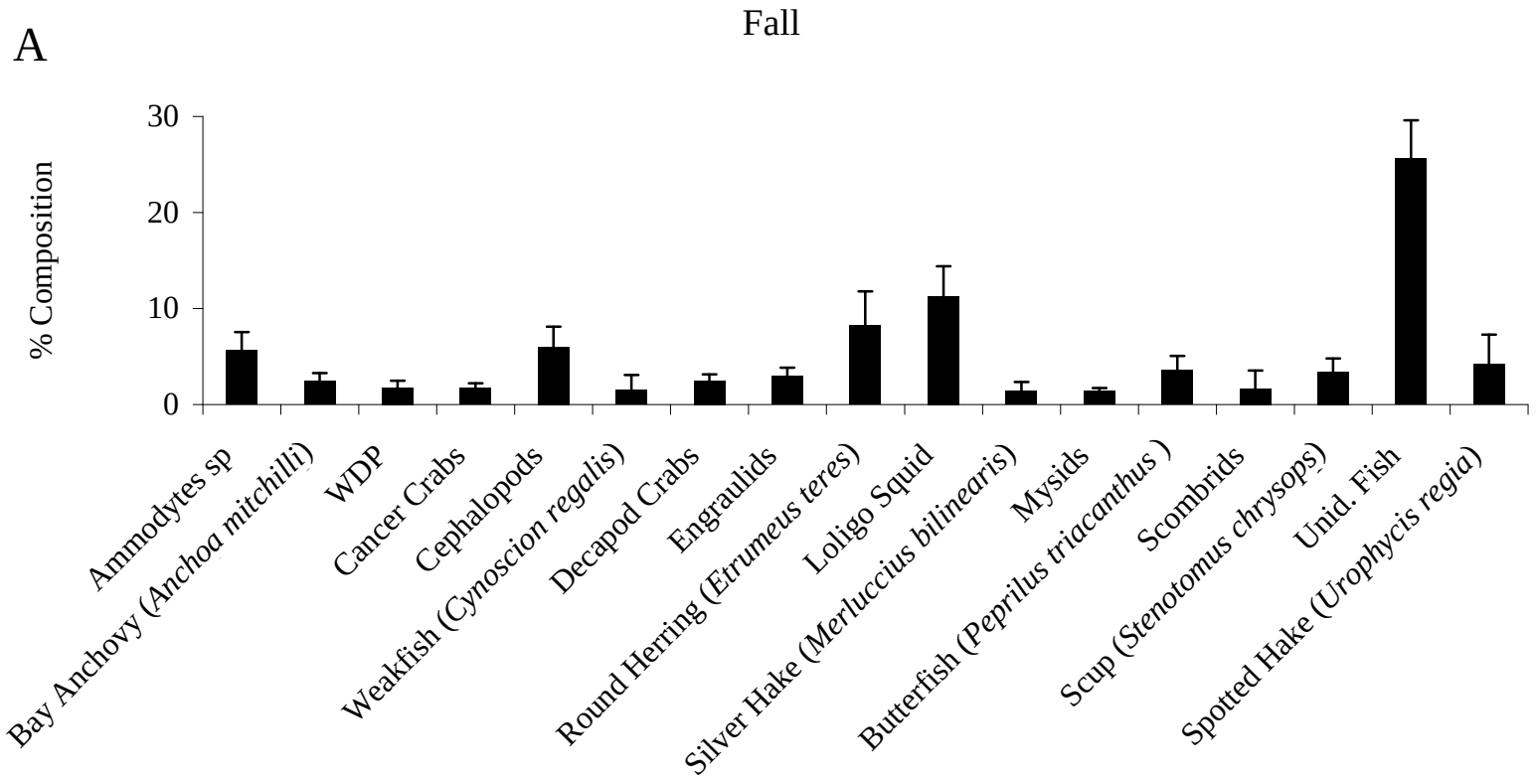

Figure 181A. Percent diet composition by weight of major prey taxa for summer flounder (*Paralichthys dentatus*) collected in the fall (n = 5,626). WDP = well-digested prey; Unid. Fish = unidentified fish.

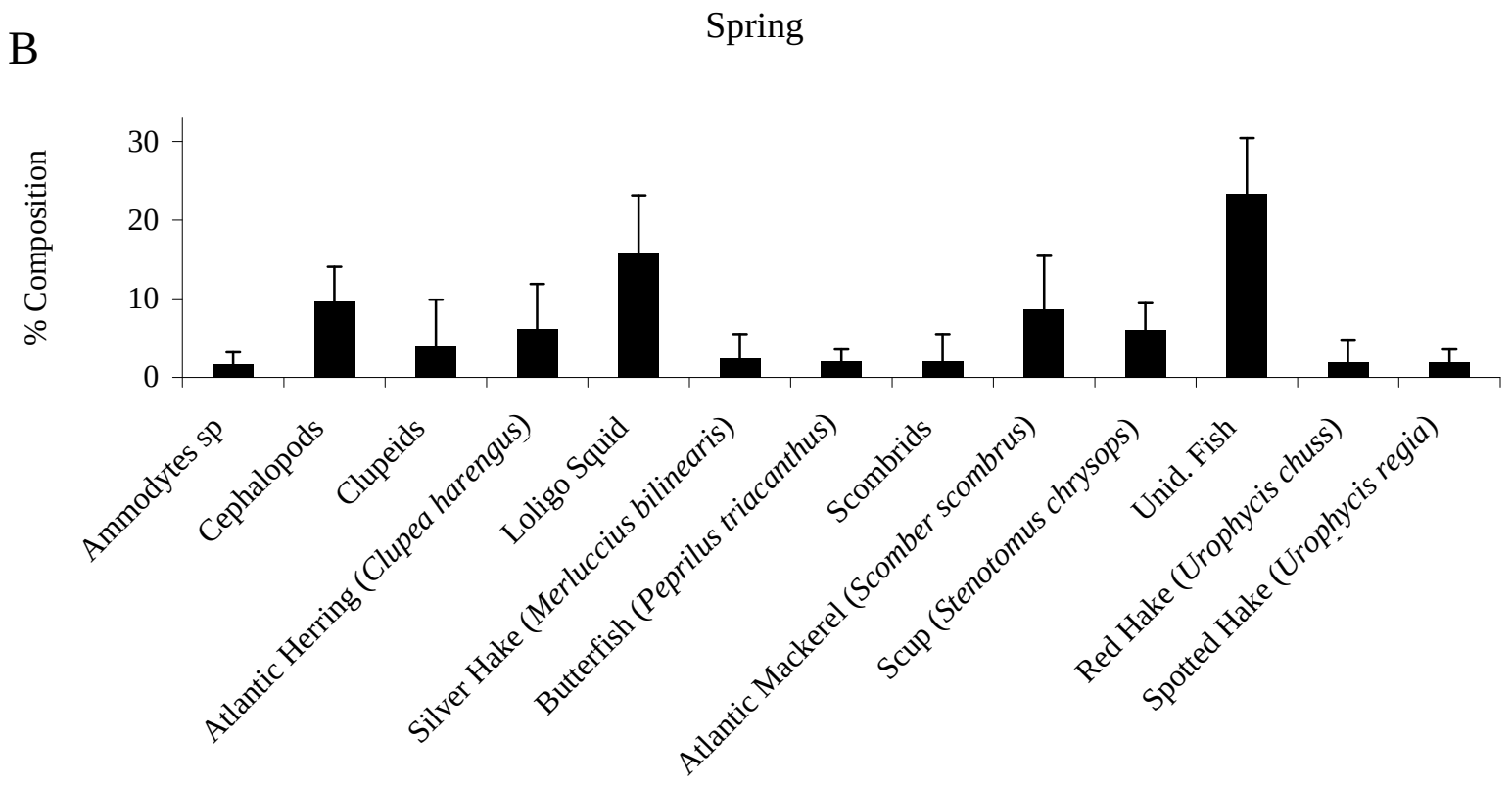

Figure 181B. Percent diet composition by weight of major prey taxa for summer flounder (*Paralichthys dentatus*) collected in the spring (n = 3,322). Unid. Fish = unidentified fish.

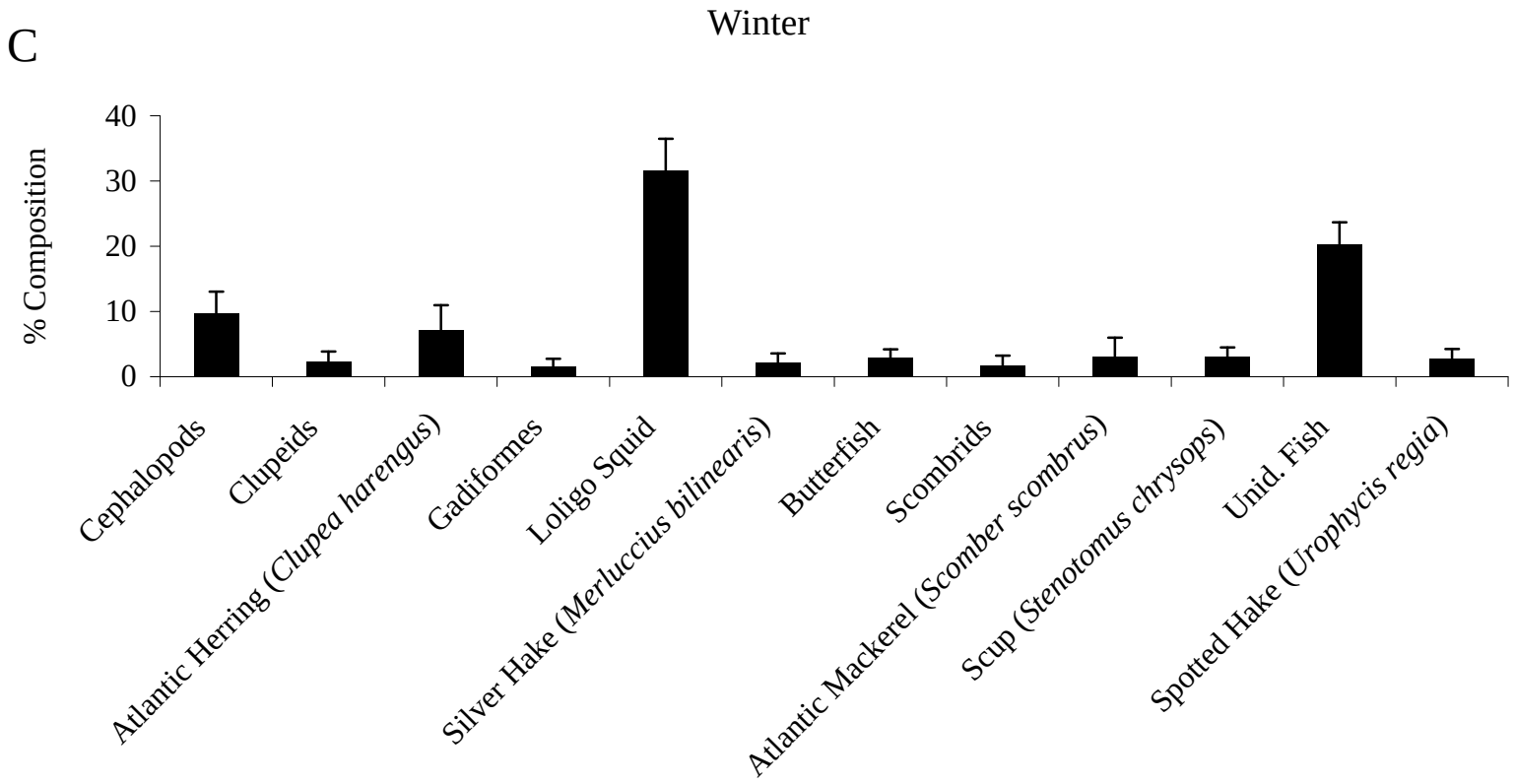

Figure 181C. Percent diet composition by weight of major prey taxa for summer flounder (*Paralichthys dentatus*) collected in the winter (n = 8,328). Unid. Fish = unidentified fish.

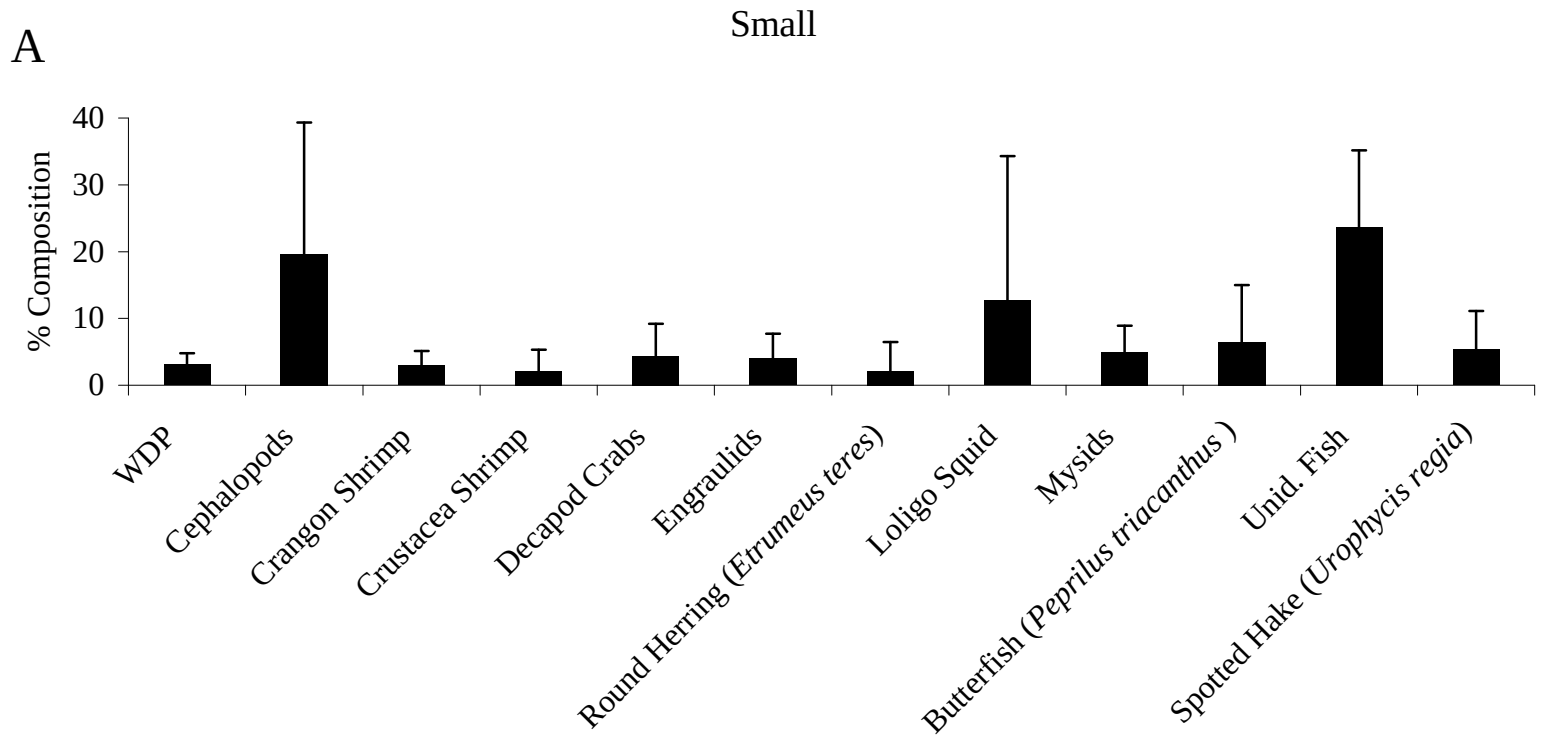

Figure 182A. Percent diet composition by weight of major prey taxa for summer flounder (*Paralichthys dentatus*) in the small size class (n = 589). Unid. Fish = unidentified fish.

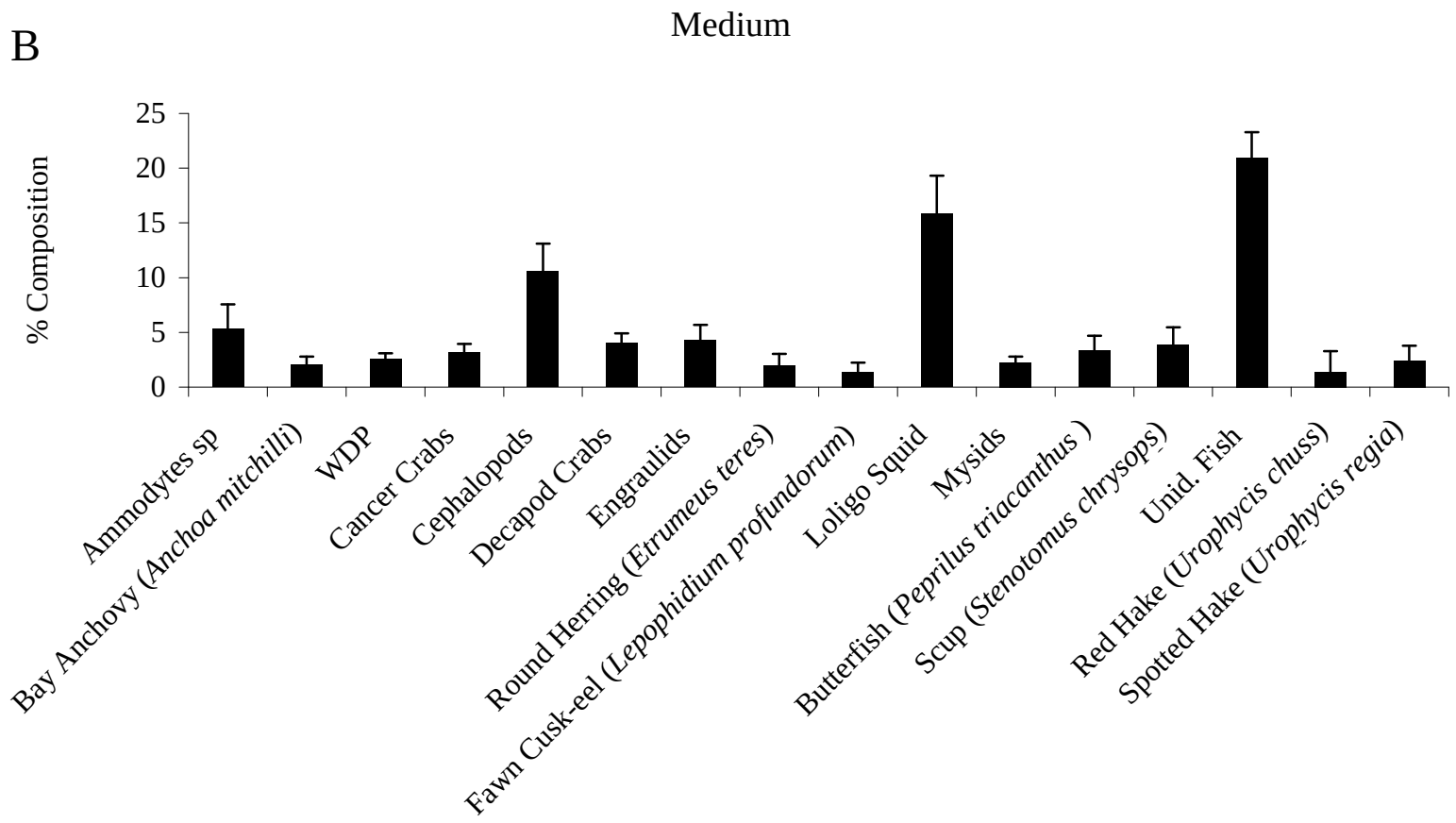

Figure 182B. Percent diet composition by weight of major prey taxa for summer flounder (*Paralichthys dentatus*) in the medium size class (n = 9,850). WDP = well-digested prey; Unid. Fish = unidentified fish.

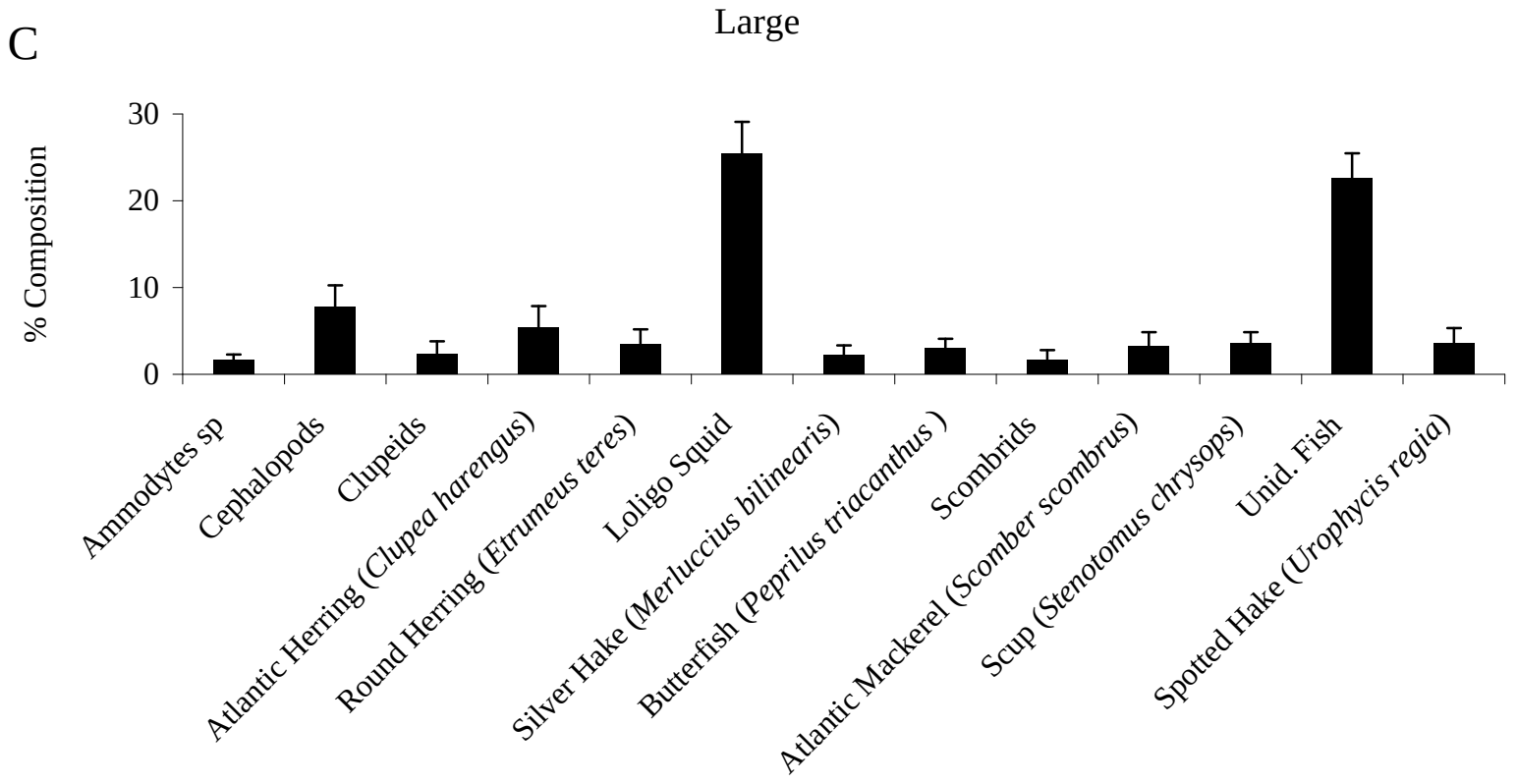

Figure 182C. Percent diet composition by weight of major prey taxa for summer flounder (*Paralichthys dentatus*) in the large size class (n = 6,867). Unid. Fish = unidentified fish.

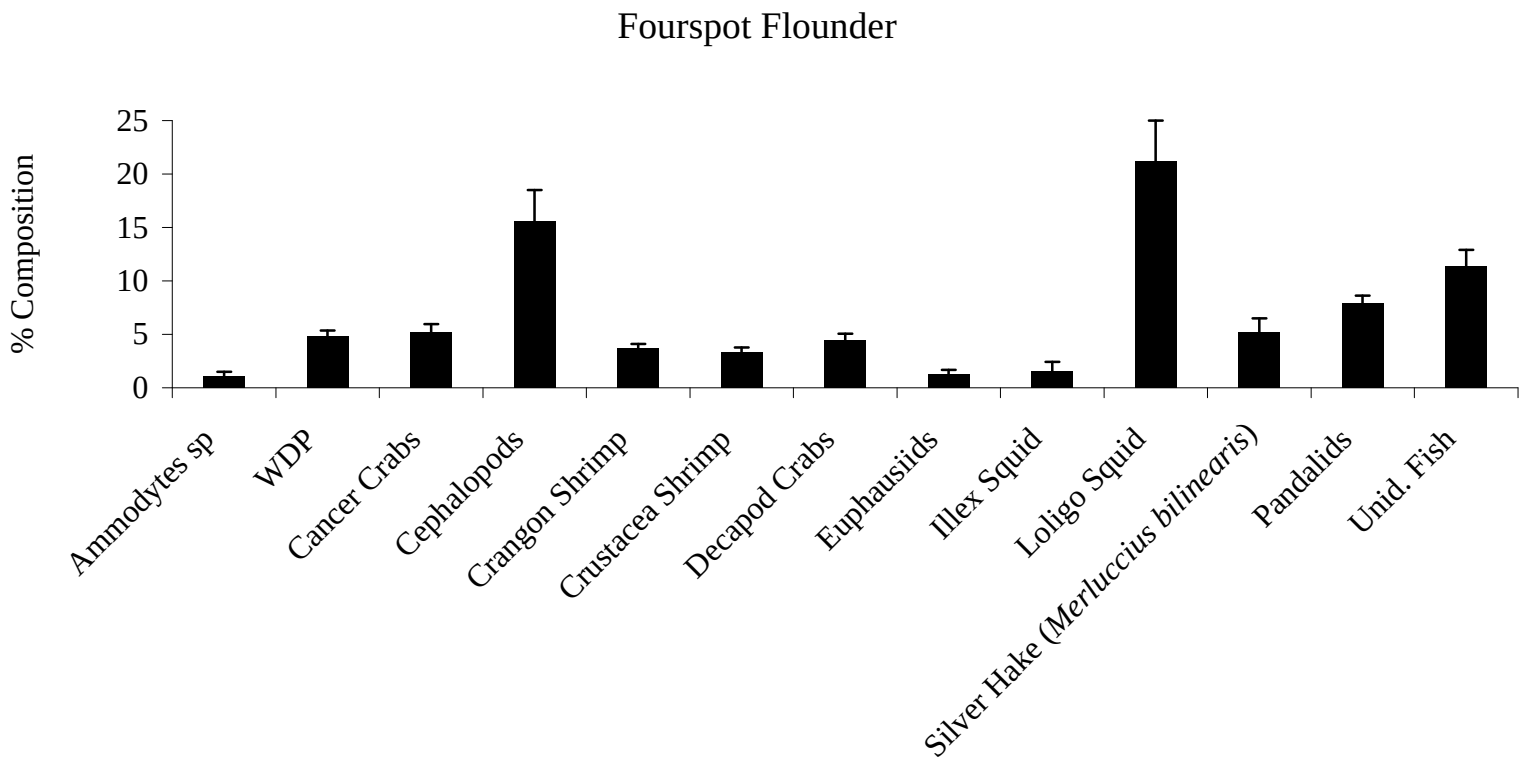

Figure 183. Percent diet composition by weight of major prey taxa for fourspot flounder (*Hippoglossina oblonga*; n = 16,689). WDP = well-digested prey; Unid. Fish = unidentified fish.

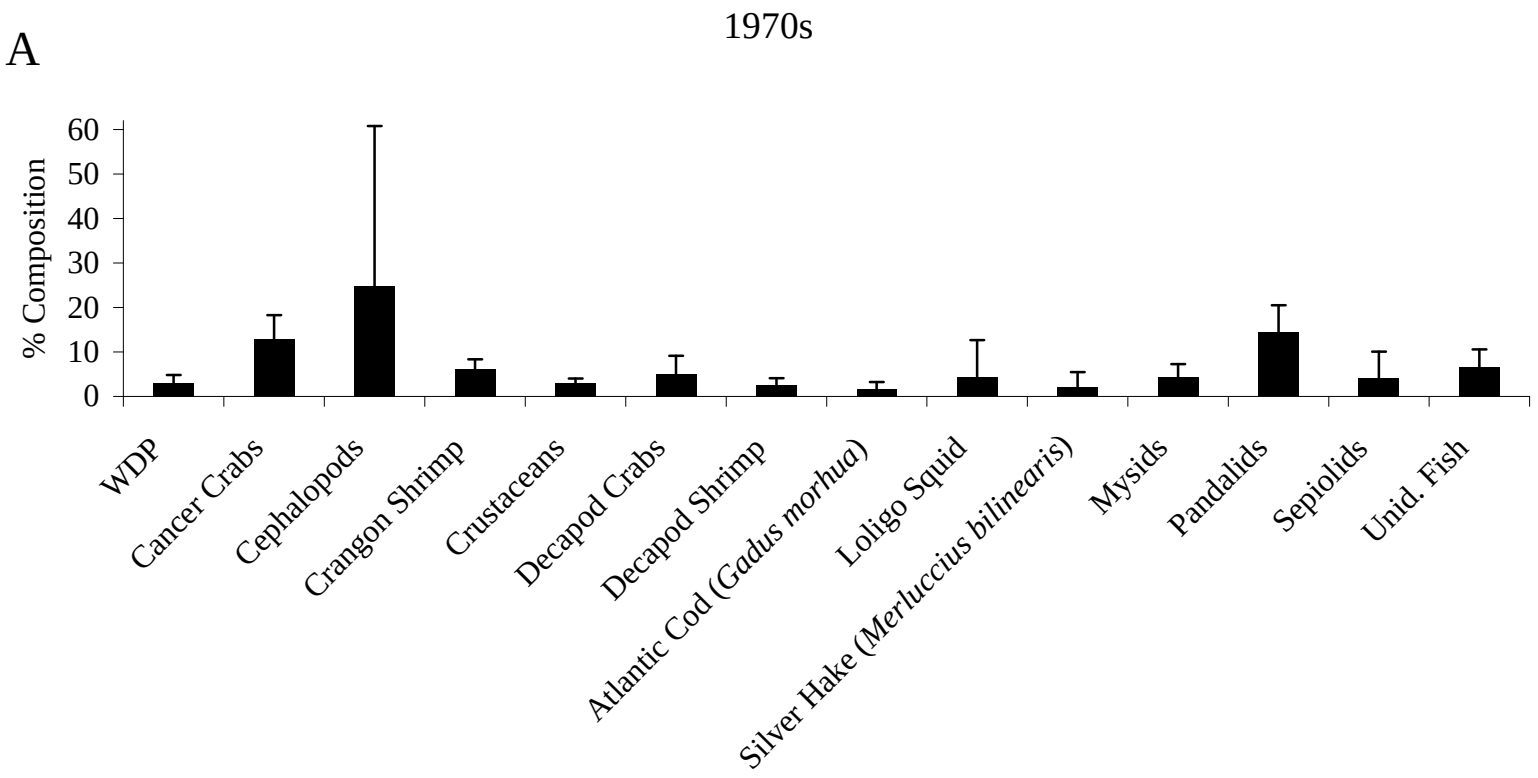

Figure 184A. Percent diet composition by weight of major prey taxa for fourspot flounder (*Hippoglossina oblonga*) collected in the 1970s (n = 489). WDP = well-digested prey; Unid. Fish = unidentified fish.

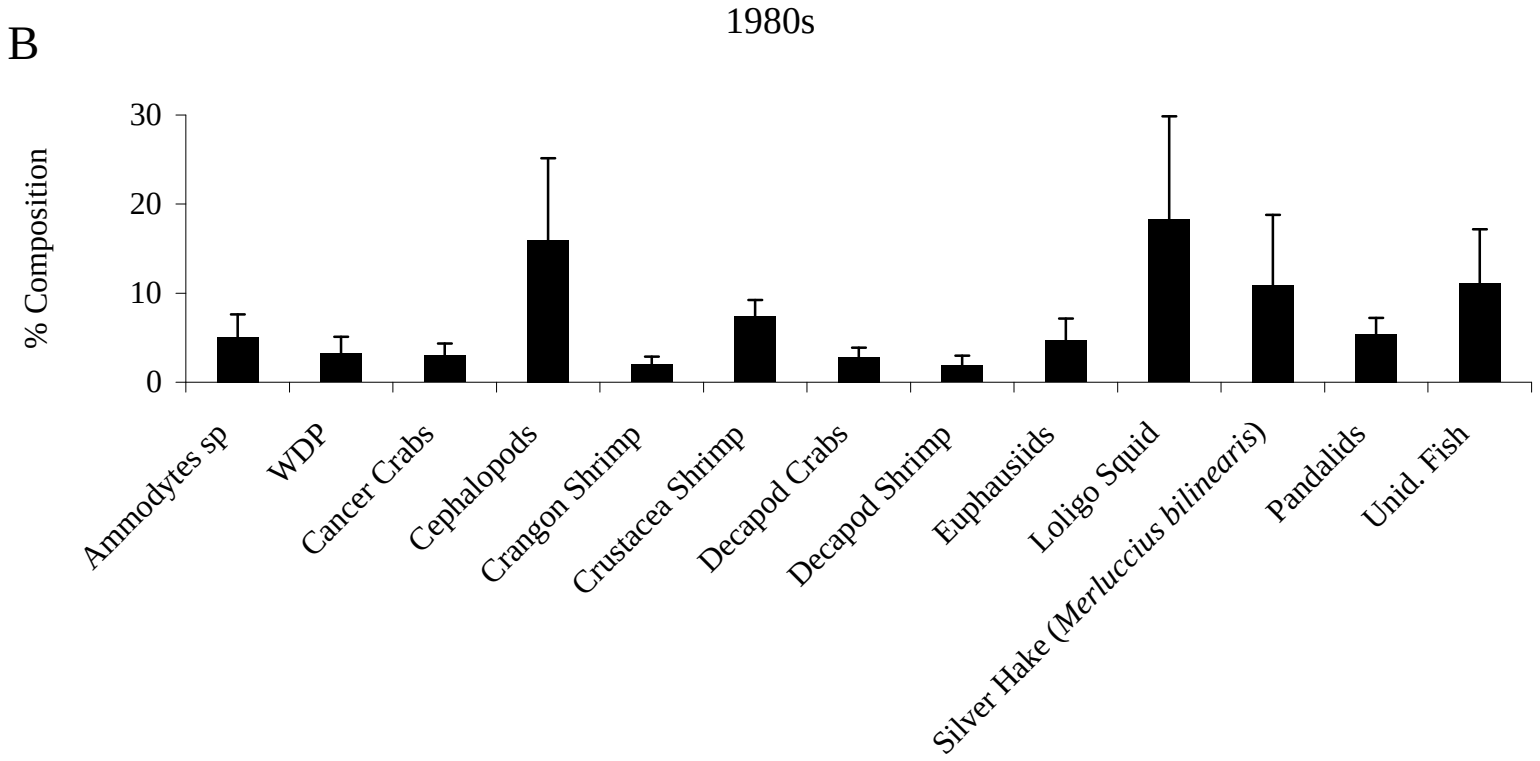

Figure 184B. Percent diet composition by weight of major prey taxa for fourspot flounder (*Hippoglossina oblonga*) collected in the 1980s (n = 1,569). WDP = well-digested prey; Unid. Fish = unidentified fish.

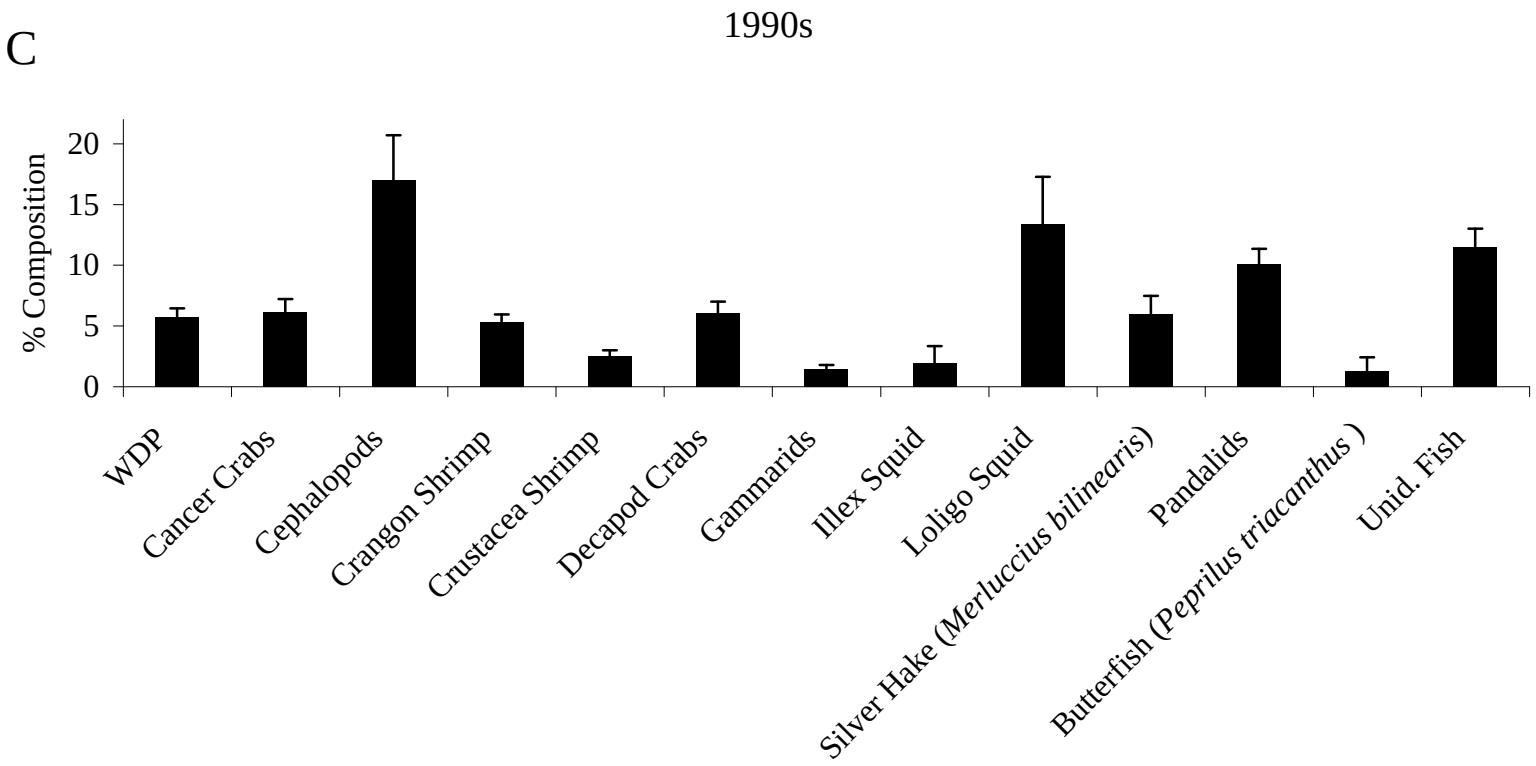

Figure 184C. Percent diet composition by weight of major prey taxa for fourspot flounder (*Hippoglossina oblonga*) collected in the 1990s (n = 9,527). WDP = well-digested prey; Unid. Fish = unidentified fish.

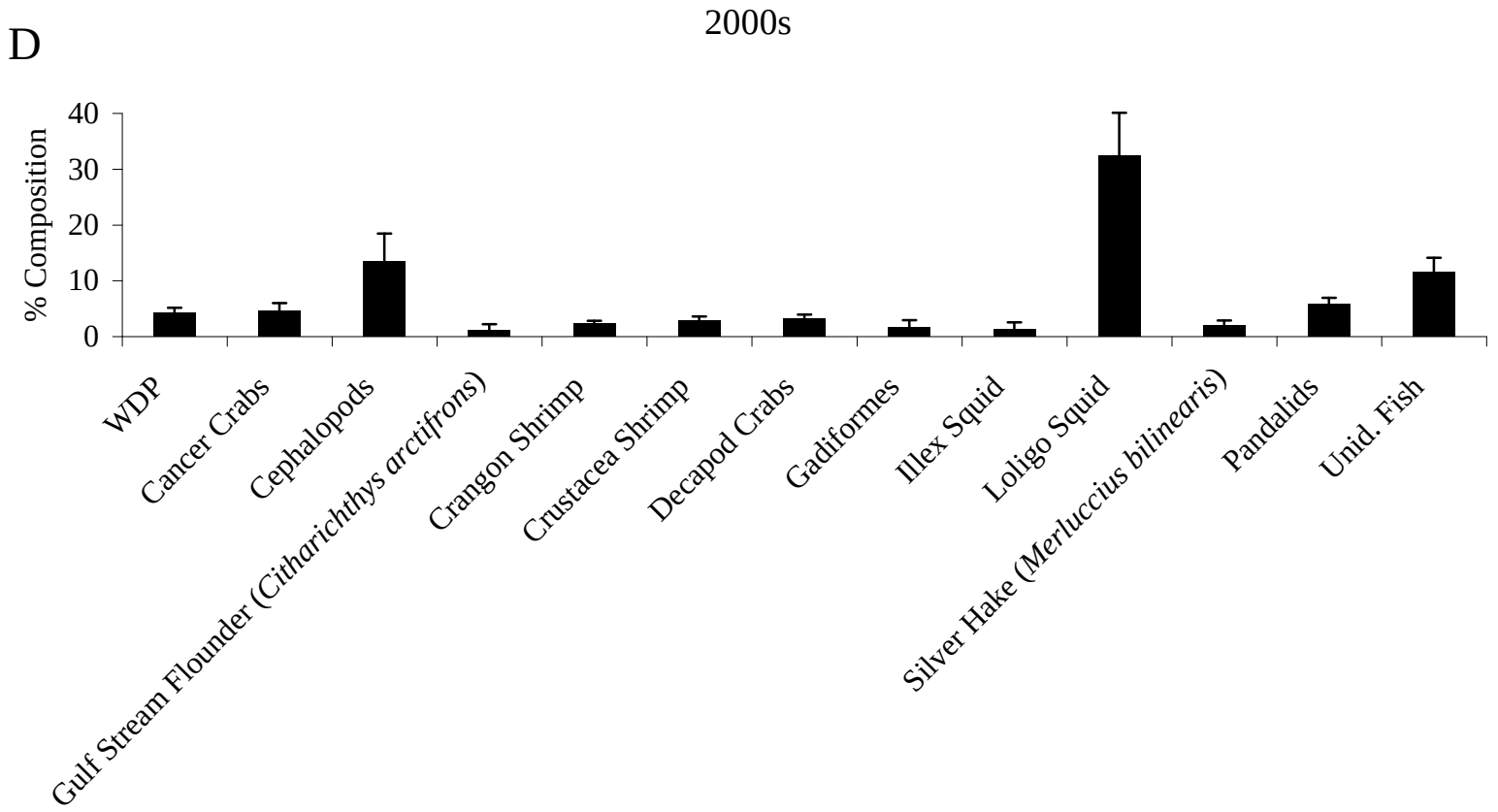

Figure 184D. Percent diet composition by weight of major prey taxa for fourspot flounder (*Hippoglossina oblonga*) collected in the 2000s (n = 5,104). WDP = well-digested prey; Unid. Fish = unidentified fish.

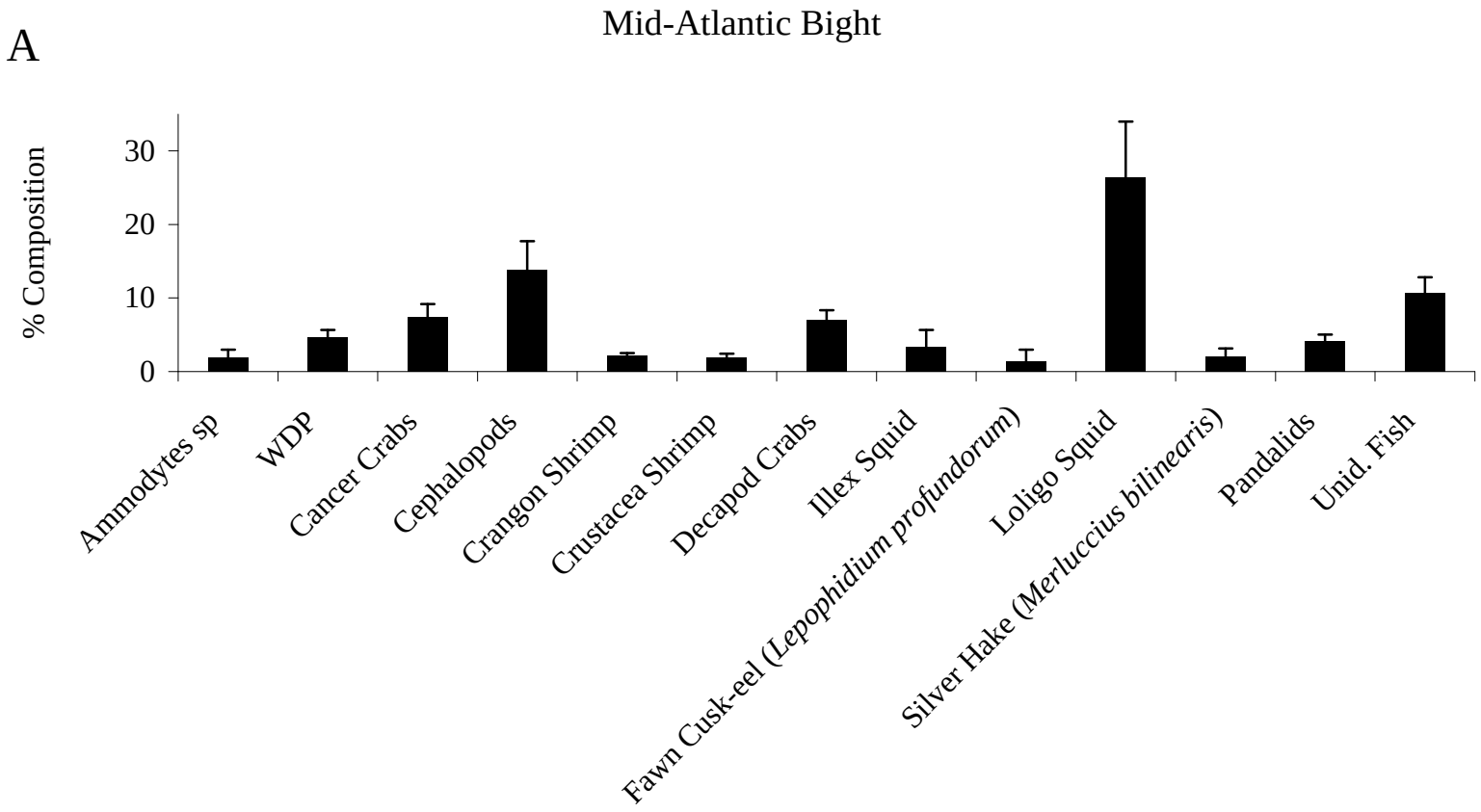

Figure 185A. Percent diet composition by weight of major prey taxa for fourspot flounder (*Hippoglossina oblonga*) collected in the Mid-Atlantic Bight (n = 5,171). WDP = well-digested prey; Unid. Fish = unidentified fish.

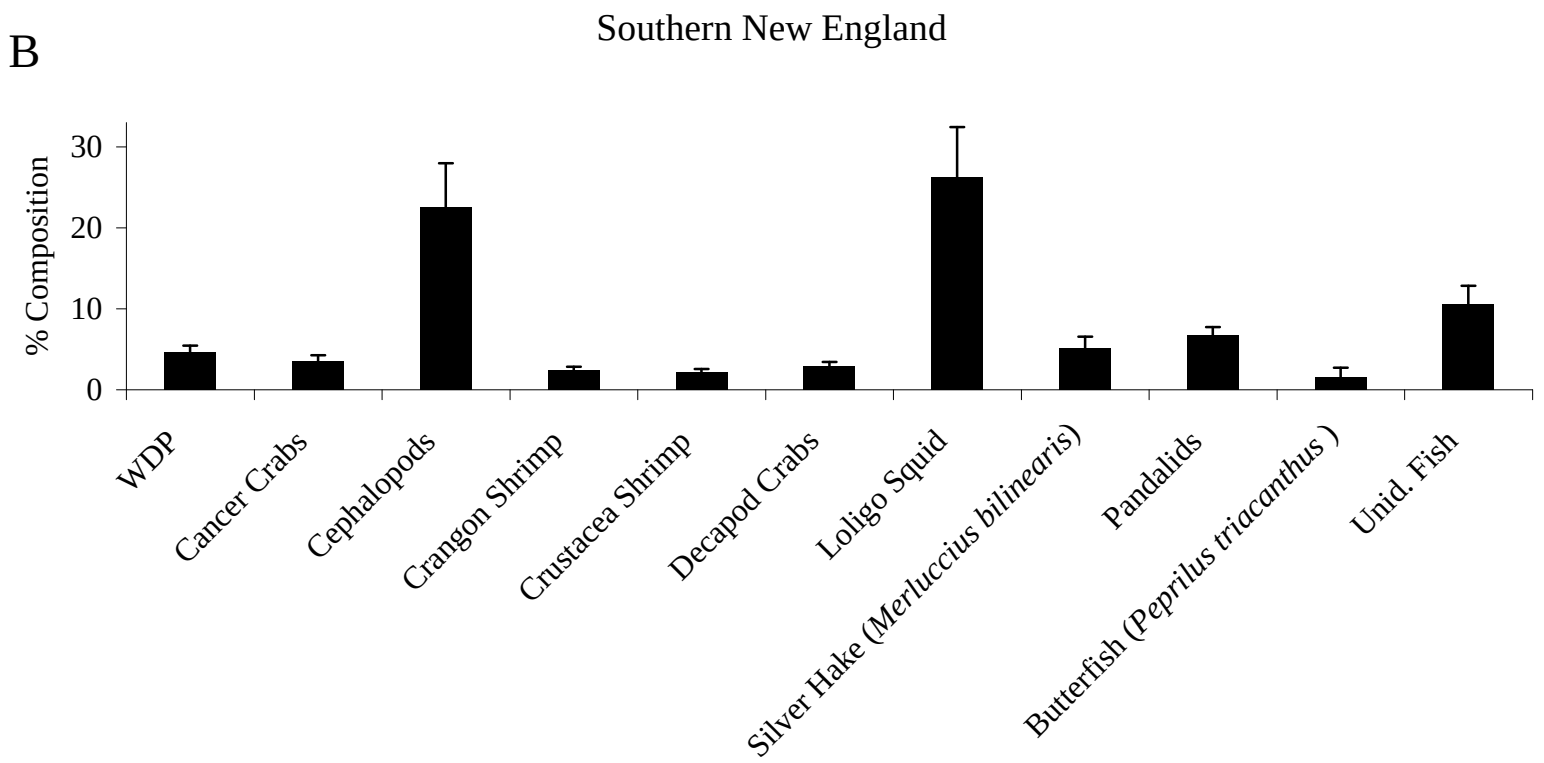

Figure 185B. Percent diet composition by weight of major prey taxa for fourspot flounder (*Hippoglossina oblonga*) collected in Southern New England (n = 7,493). WDP = well-digested prey; Unid. Fish = unidentified fish.

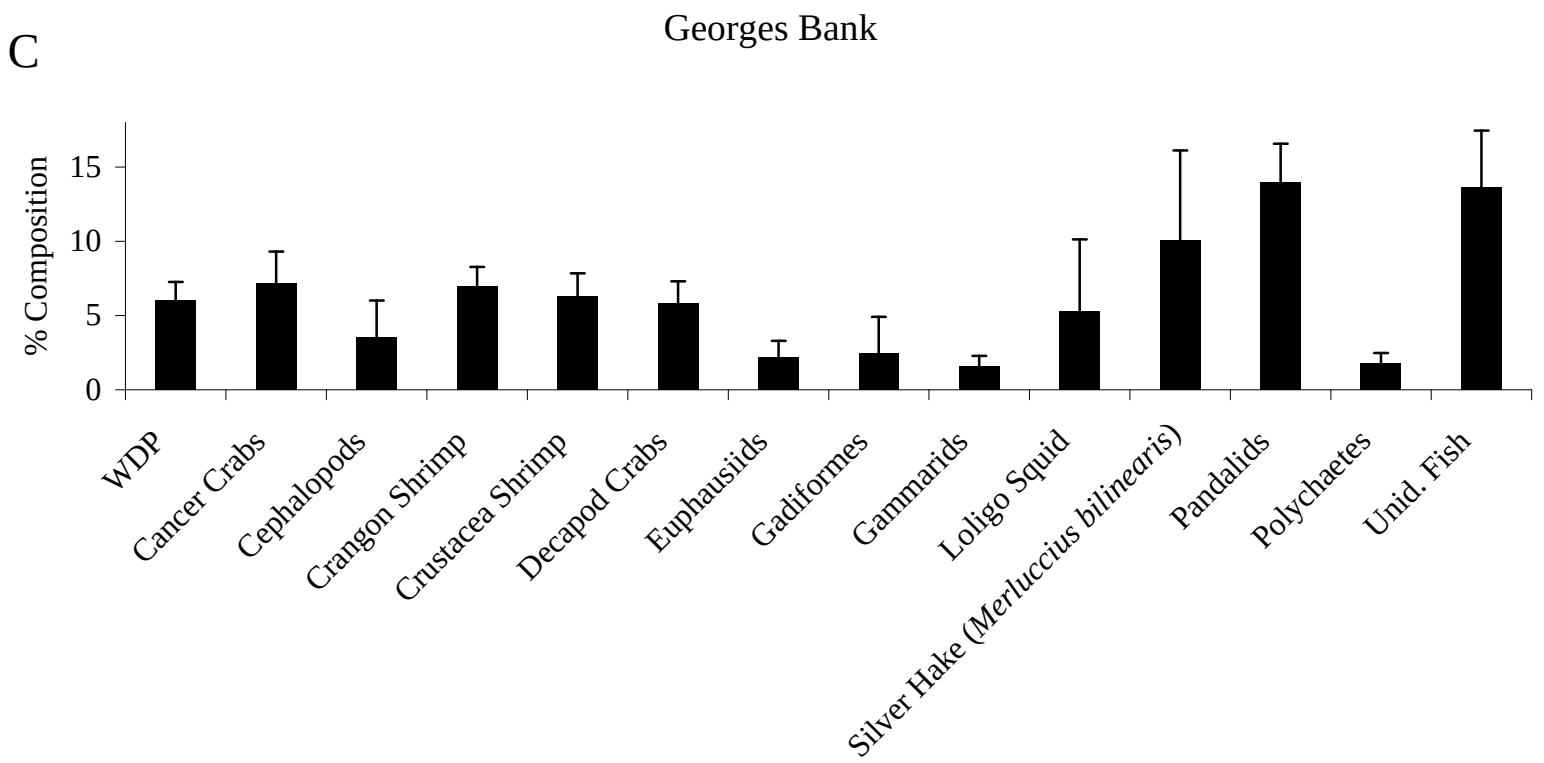

Figure 185C. Percent diet composition by weight of major prey taxa for fourspot flounder (*Hippoglossina oblonga*) collected on Georges Bank (n = 3,339). WDP = well-digested prey; Unid. Fish = unidentified fish.

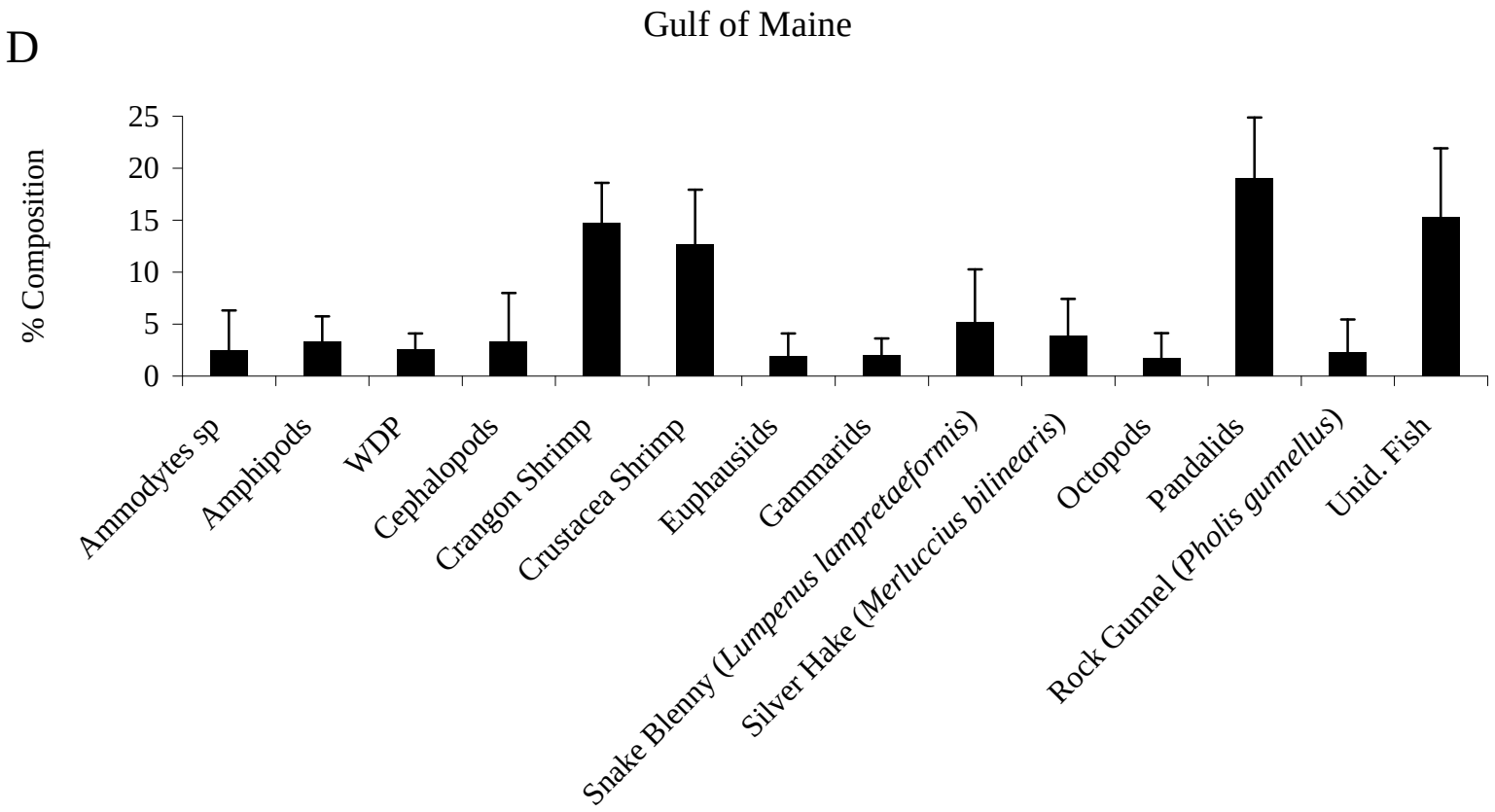

Figure 185D. Percent diet composition by weight of major prey taxa for fourspot flounder (*Hippoglossina oblonga*) collected in the Gulf of Maine (n = 665). WDP = well-digested prey; Unid. Fish = unidentified fish.

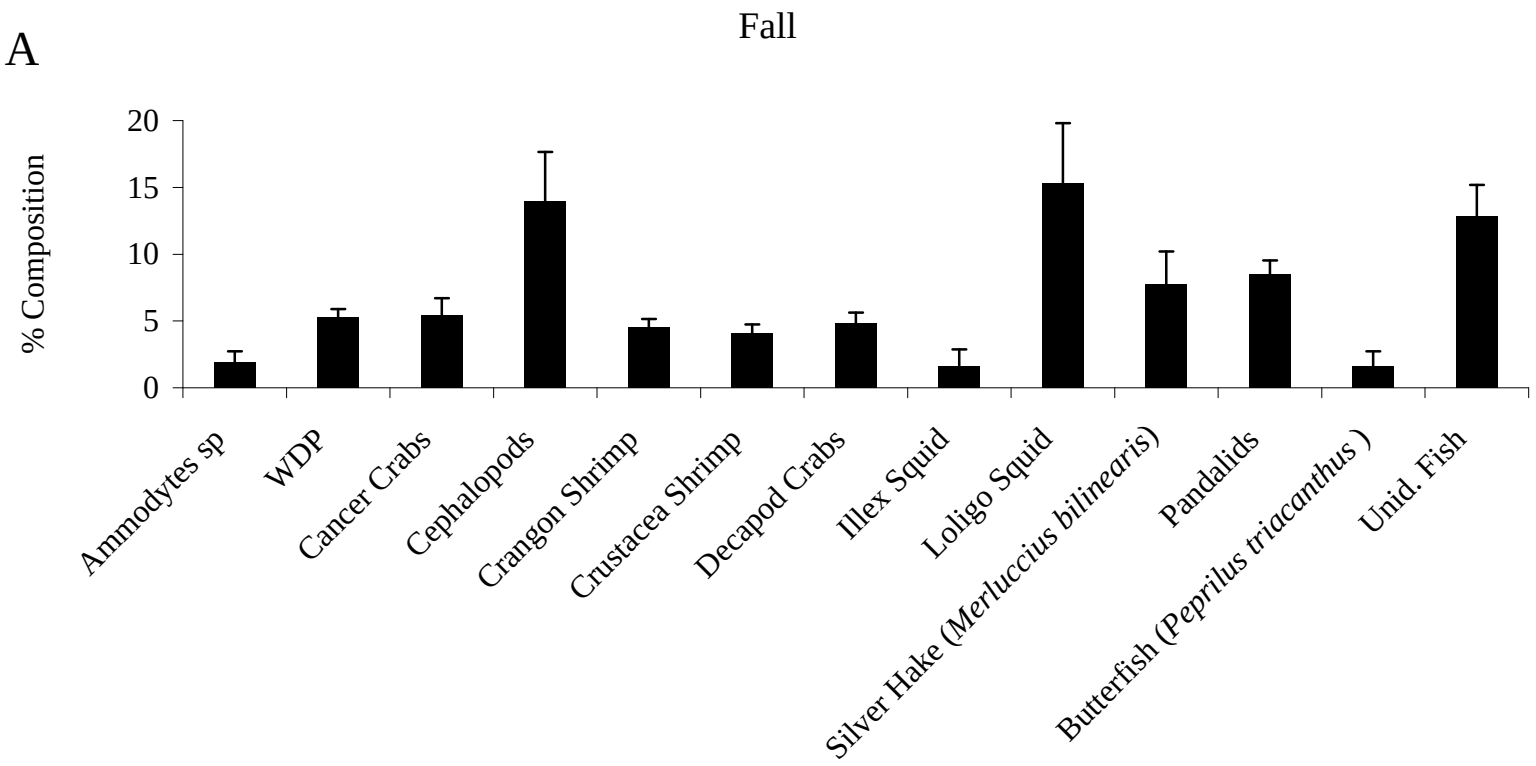

Figure 186A. Percent diet composition by weight of major prey taxa for fourspot flounder (*Hippoglossina oblonga*) collected in the fall (n = 6,302). WDP = well-digested prey; Unid. Fish = unidentified fish.

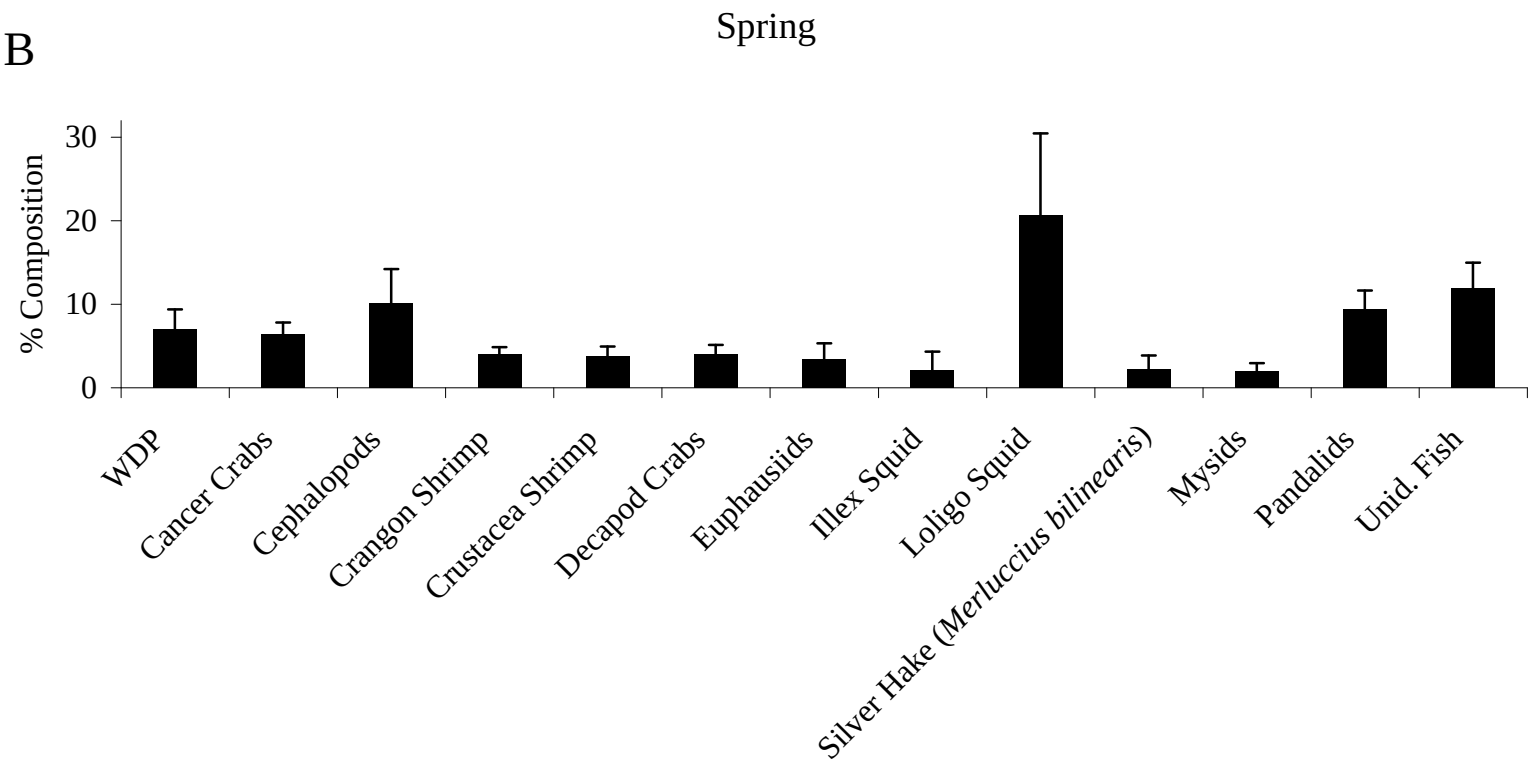

Figure 186B. Percent diet composition by weight of major prey taxa for fourspot flounder (*Hippoglossina oblonga*) collected in the spring (n = 5,065). WDP = well-digested prey; Unid. Fish = unidentified fish.

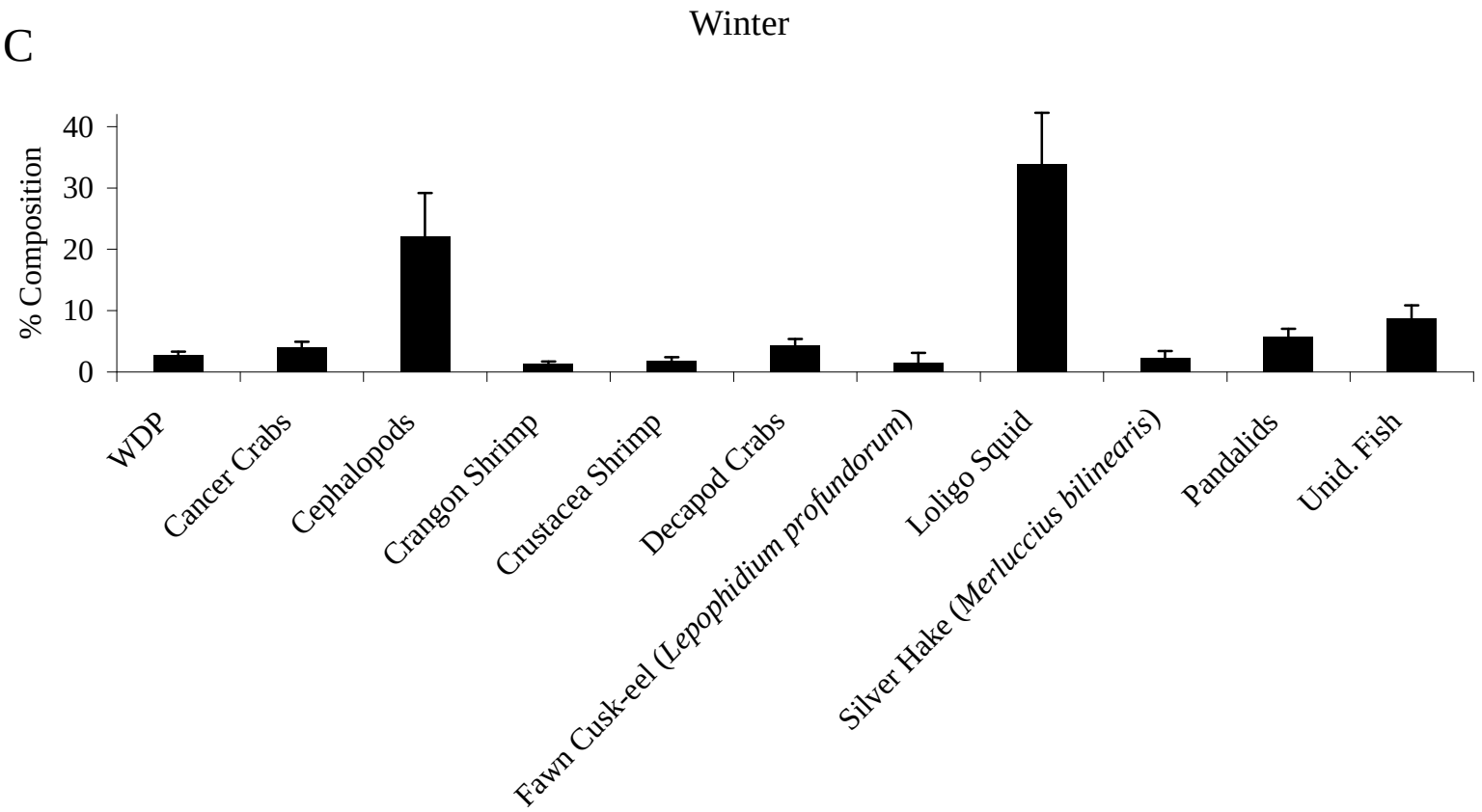

Figure 186C. Percent diet composition by weight of major prey taxa for fourspot flounder (*Hippoglossina oblonga*) collected in the winter (n = 5,095). WDP = well-digested prey; Unid. Fish = unidentified fish.

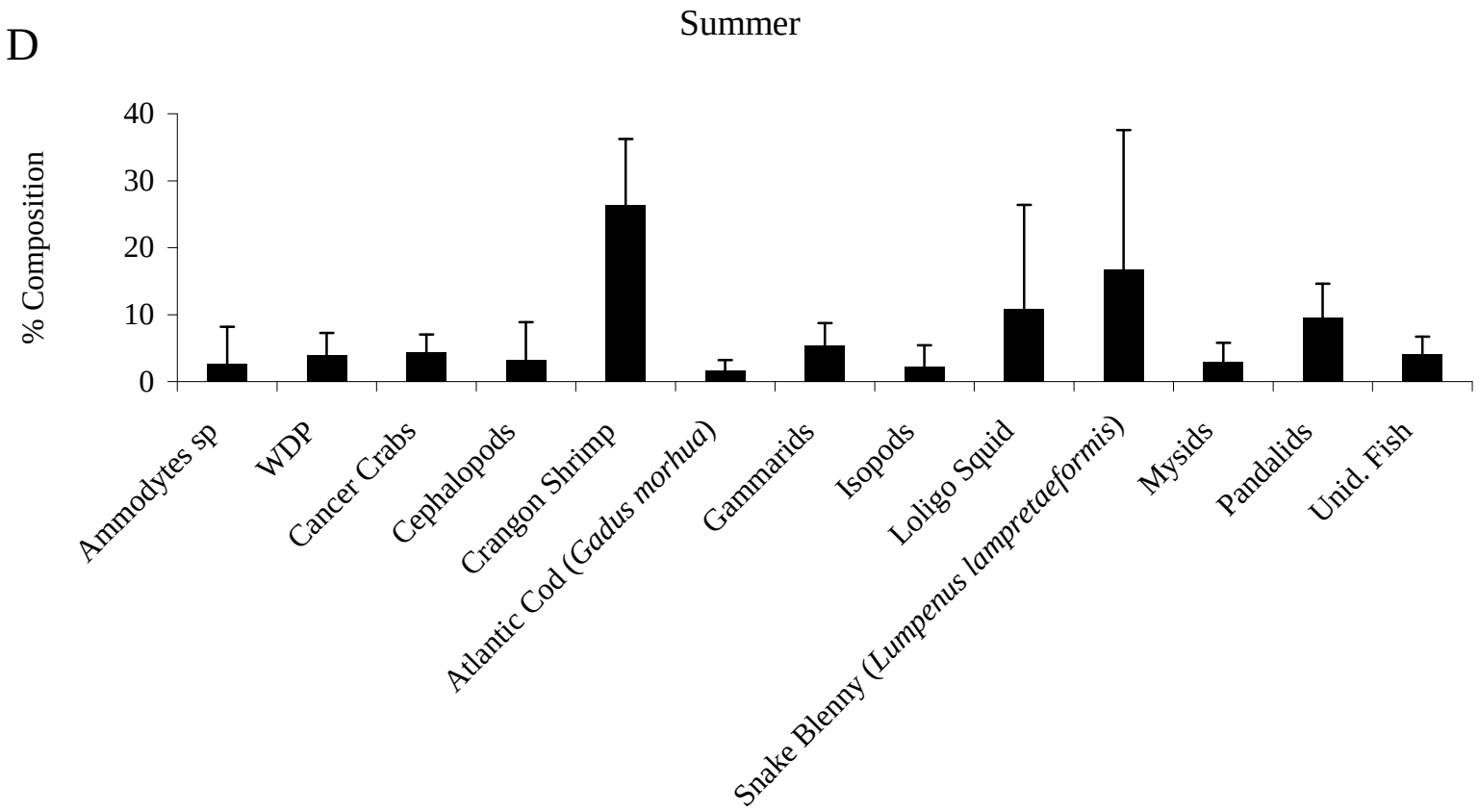

Figure 186D. Percent diet composition by weight of major prey taxa for fourspot flounder (*Hippoglossina oblonga*) collected in the summer (n = 227). WDP = well-digested prey; Unid. Fish = unidentified fish.

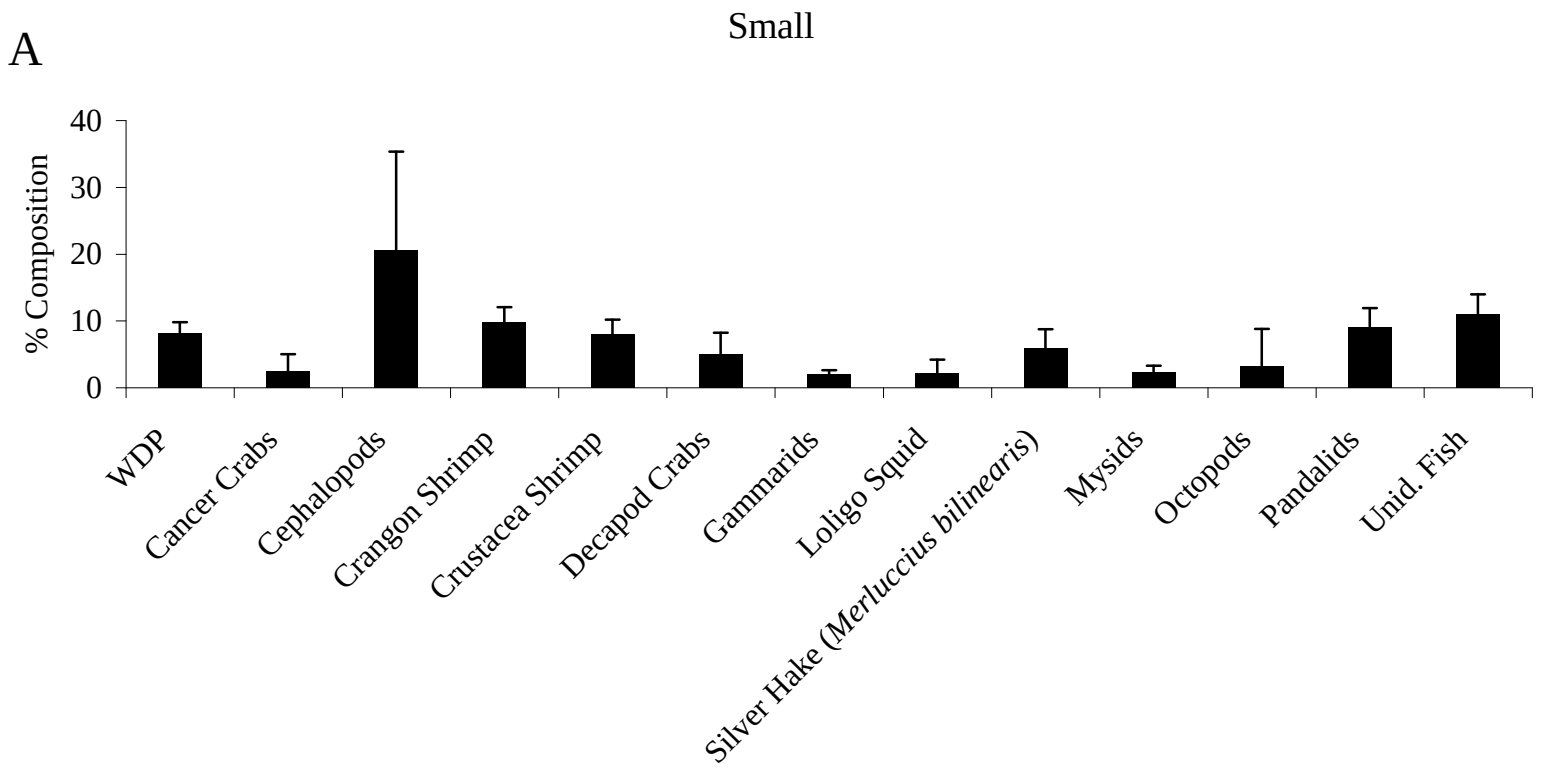

Figure 187A. Percent diet composition by weight of major prey taxa for fourspot flounder (*Hippoglossina oblonga*) collected in the small size class (n = 2,072). WDP = well-digested prey; Unid. Fish = unidentified fish.

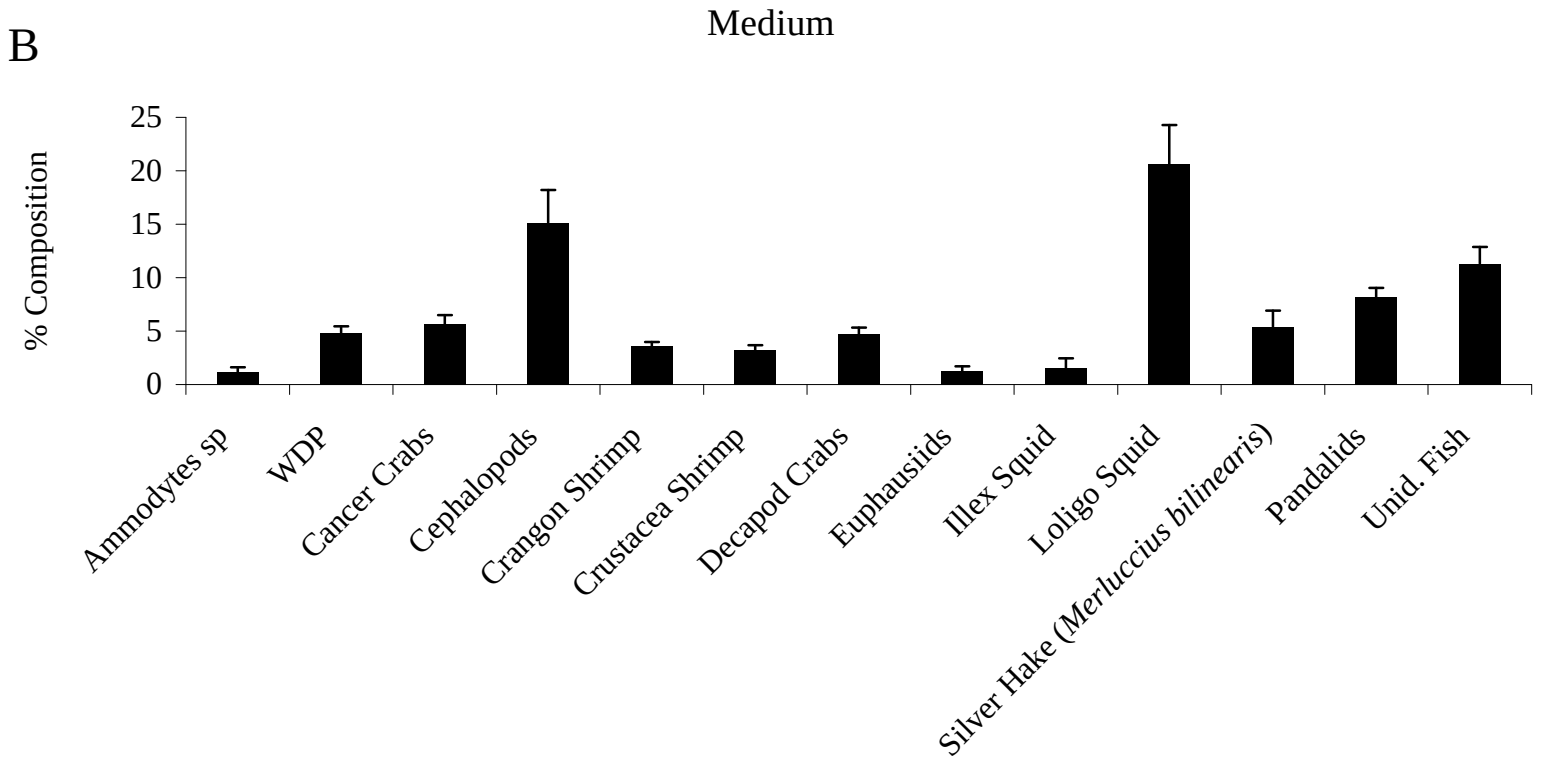

Figure 187B. Percent diet composition by weight of major prey taxa for fourspot flounder (*Hippoglossina oblonga*) collected in the medium size class (n = 14,441). WDP = well-digested prey; Unid. Fish = unidentified fish.

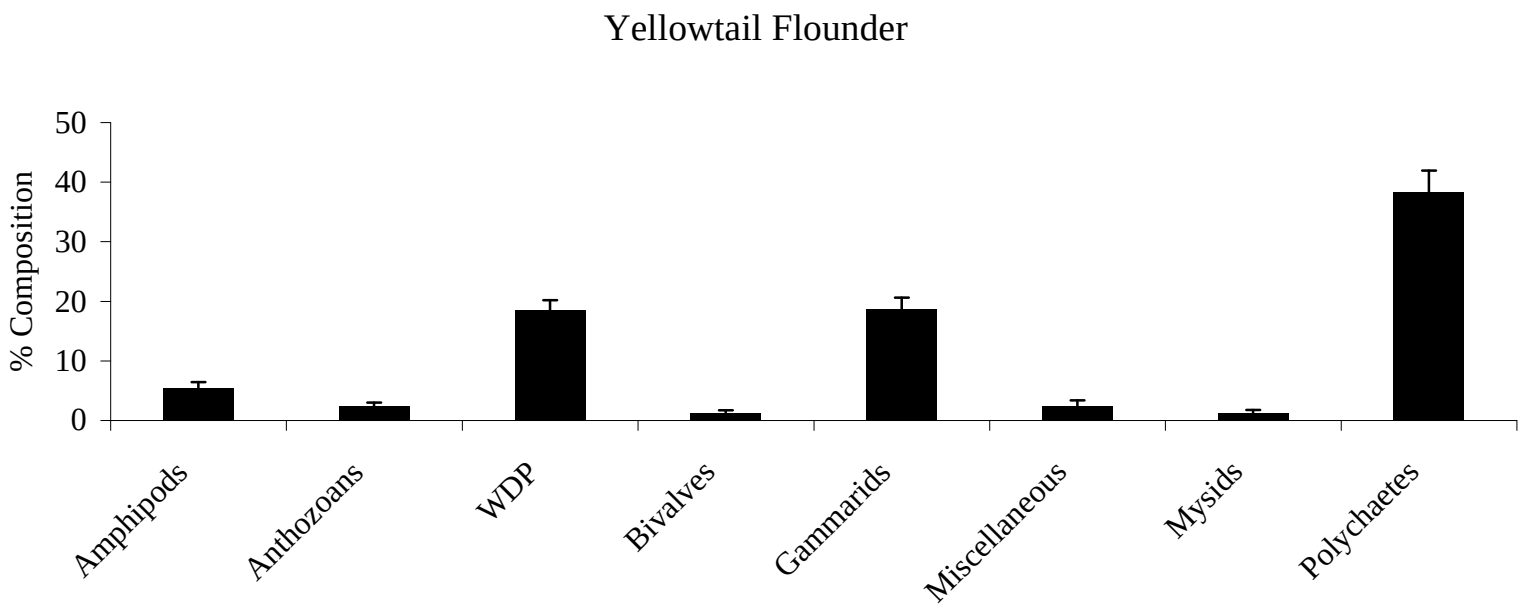

Figure 188. Percent diet composition by weight of major prey taxa for yellowtail flounder (*Limanda ferruginea*; n = 7,052). WDP = well-digested prey.

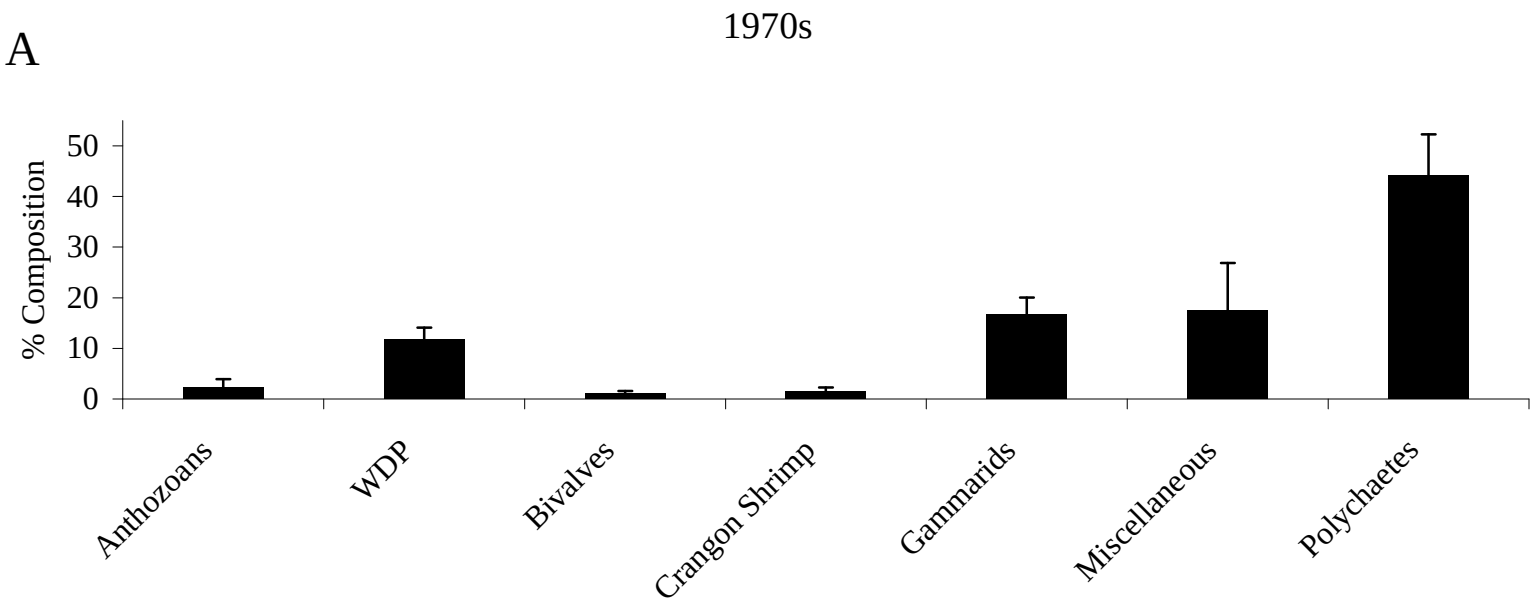

Figure 189A. Percent diet composition by weight of major prey taxa for yellowtail flounder (*Limanda ferruginea*) collected in the 1970s (n = 1,049). WDP = well-digested prey.

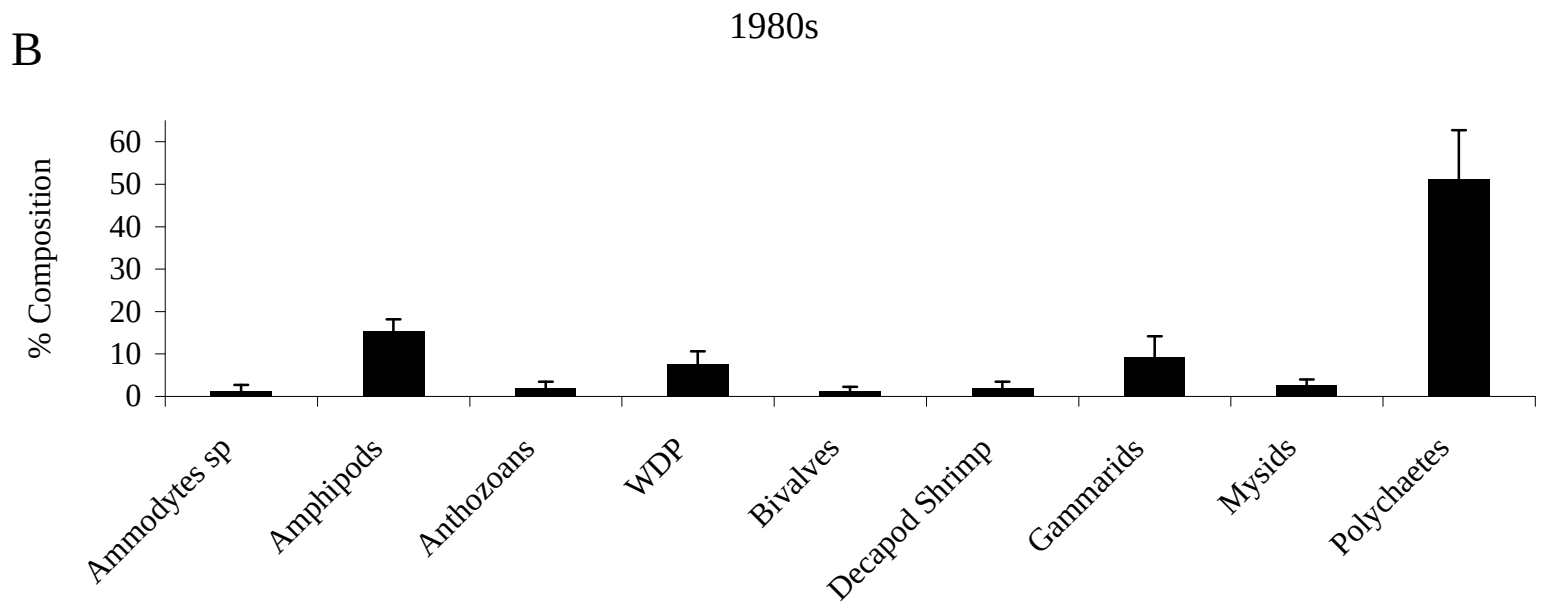

Figure 189B. Percent diet composition by weight of major prey taxa for yellowtail flounder (*Limanda ferruginea*) collected in the 1980s (n = 864). WDP = well-digested prey.

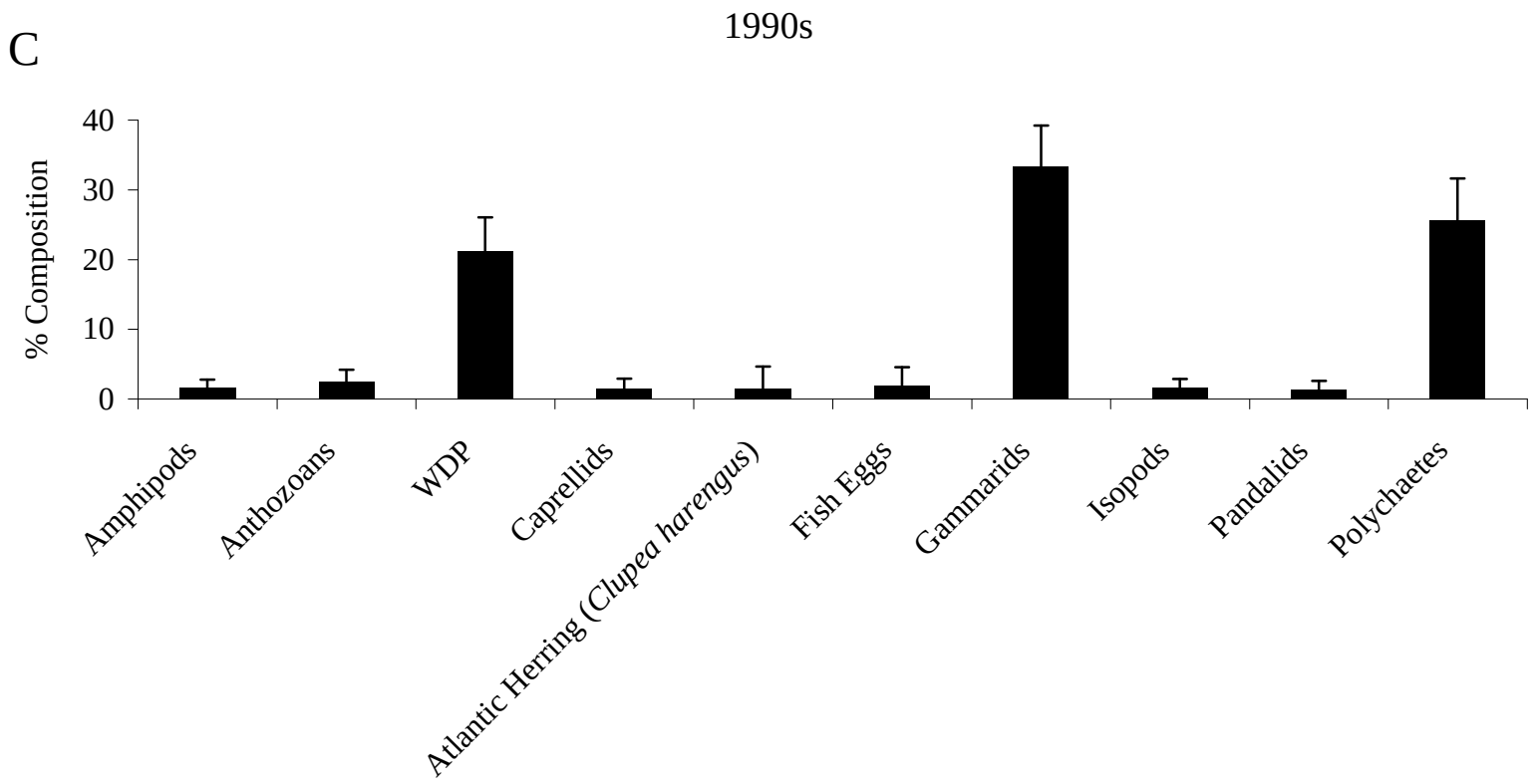

Figure 189C. Percent diet composition by weight of major prey taxa for yellowtail flounder (*Limanda ferruginea*) collected in the 1990s (n = 952). WDP = well-digested prey.

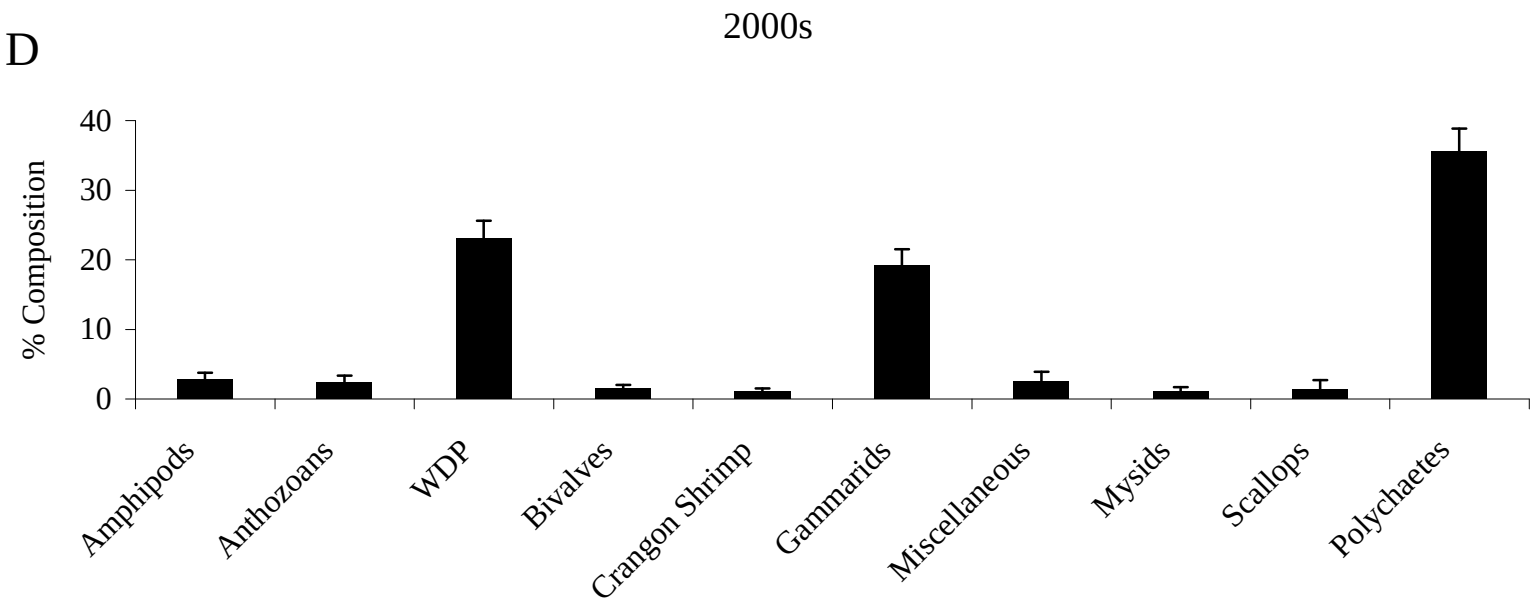

Figure 189D. Percent diet composition by weight of major prey taxa for yellowtail flounder (*Limanda ferruginea*) collected in the 2000s (n = 4,187). WDP = well-digested prey.

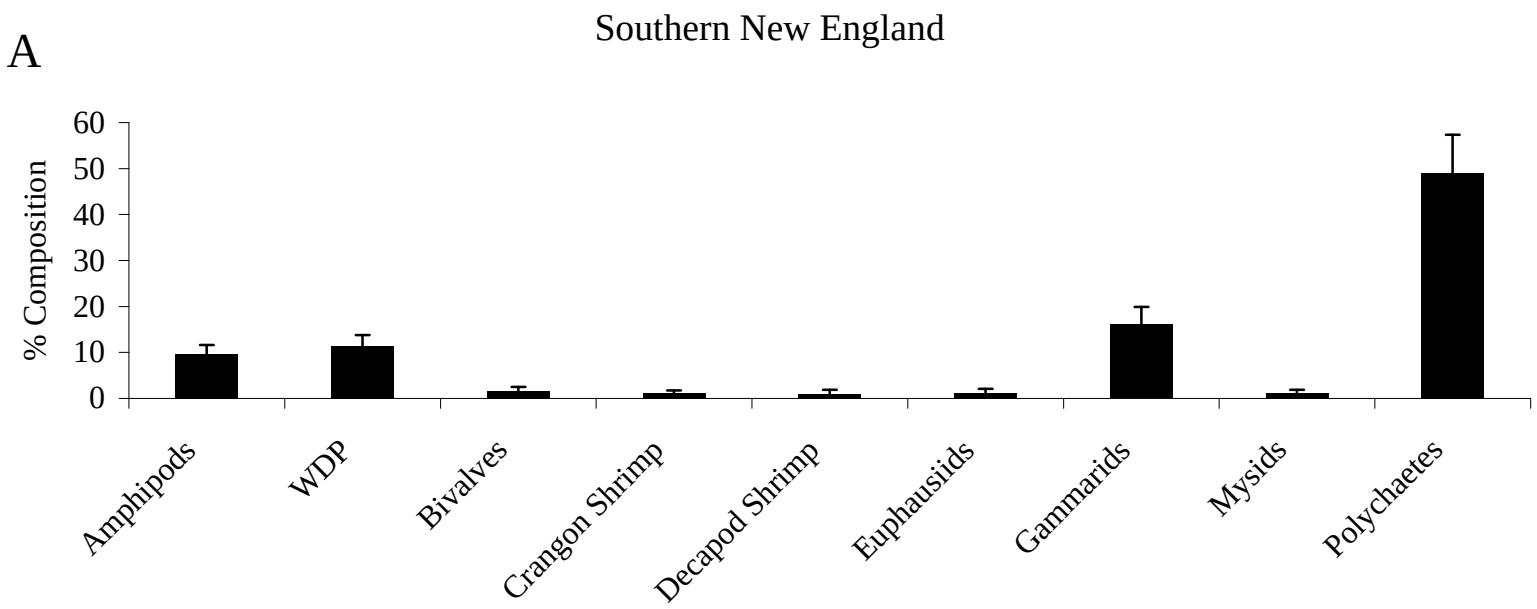

Figure 190A. Percent diet composition by weight of major prey taxa for yellowtail flounder (*Limanda ferruginea*) collected in Southern New England (n = 2,421). WDP = well-digested prey.

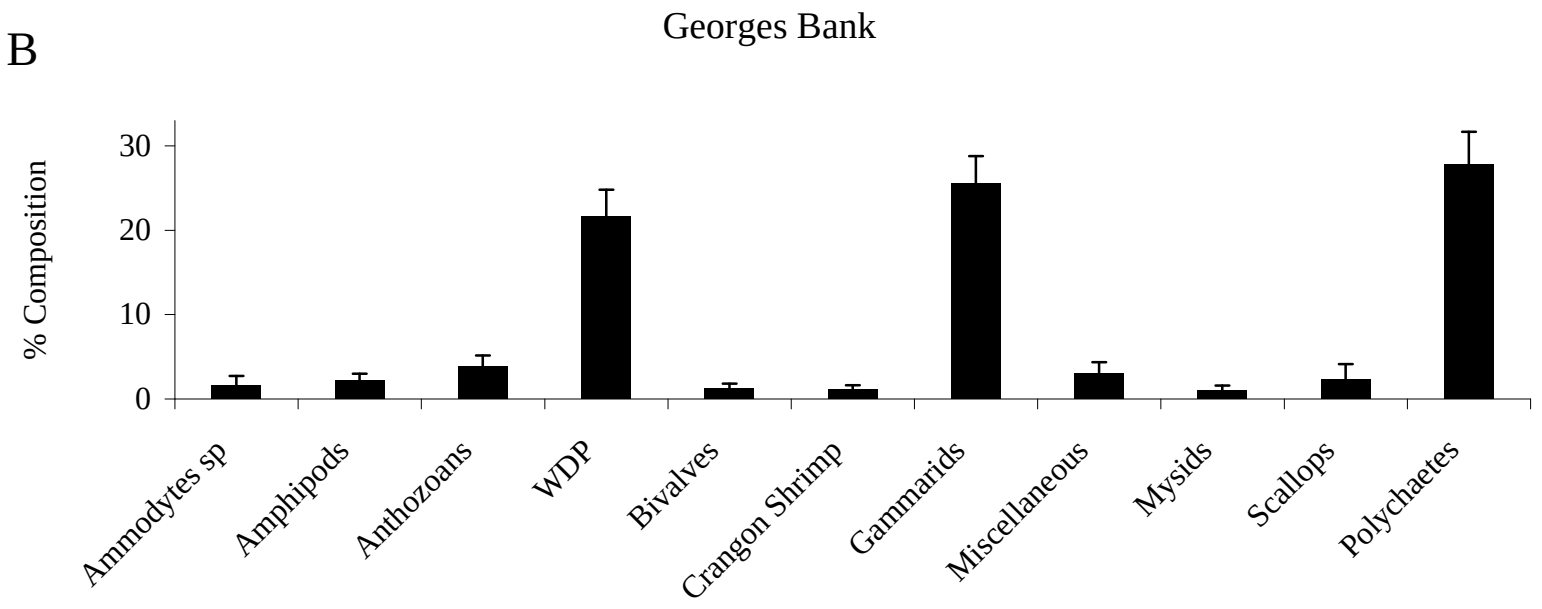

Figure 190B. Percent diet composition by weight of major prey taxa for yellowtail flounder (*Limanda ferruginea*) collected on Georges Bank (n = 3,337). WDP = well-digested prey.

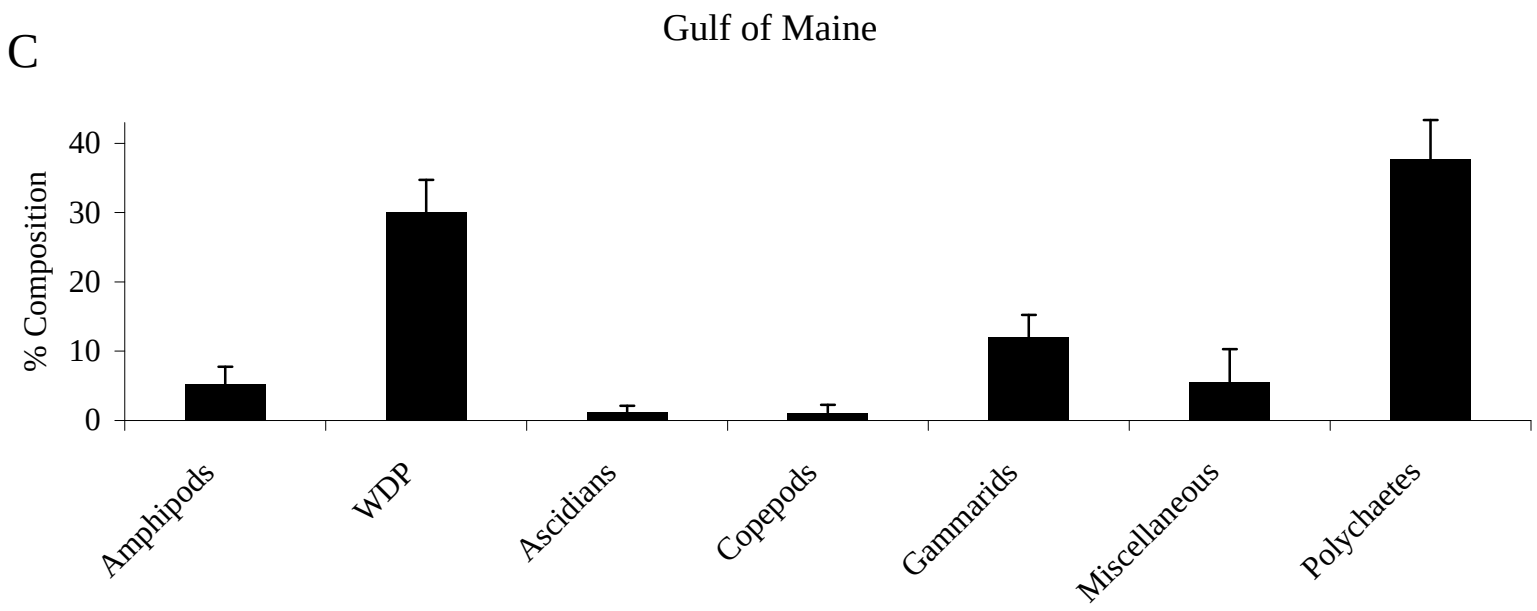

Figure 190C. Percent diet composition by weight of major prey taxa for yellowtail flounder (*Limanda ferruginea*) collected in the Gulf of Maine (n = 959). WDP = well-digested prey.

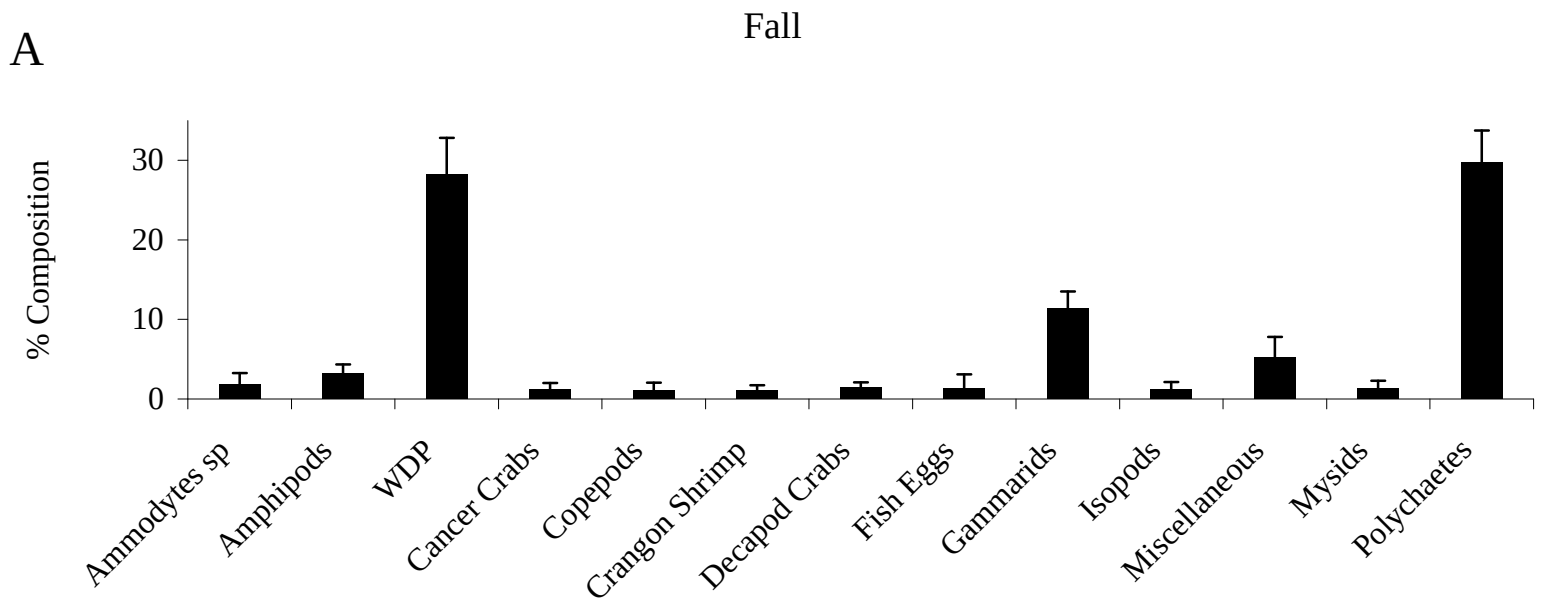

Figure 191A. Percent diet composition by weight of major prey taxa for yellowtail flounder (*Limanda ferruginea*) collected in the fall (n = 2,339). WDP = well-digested prey.

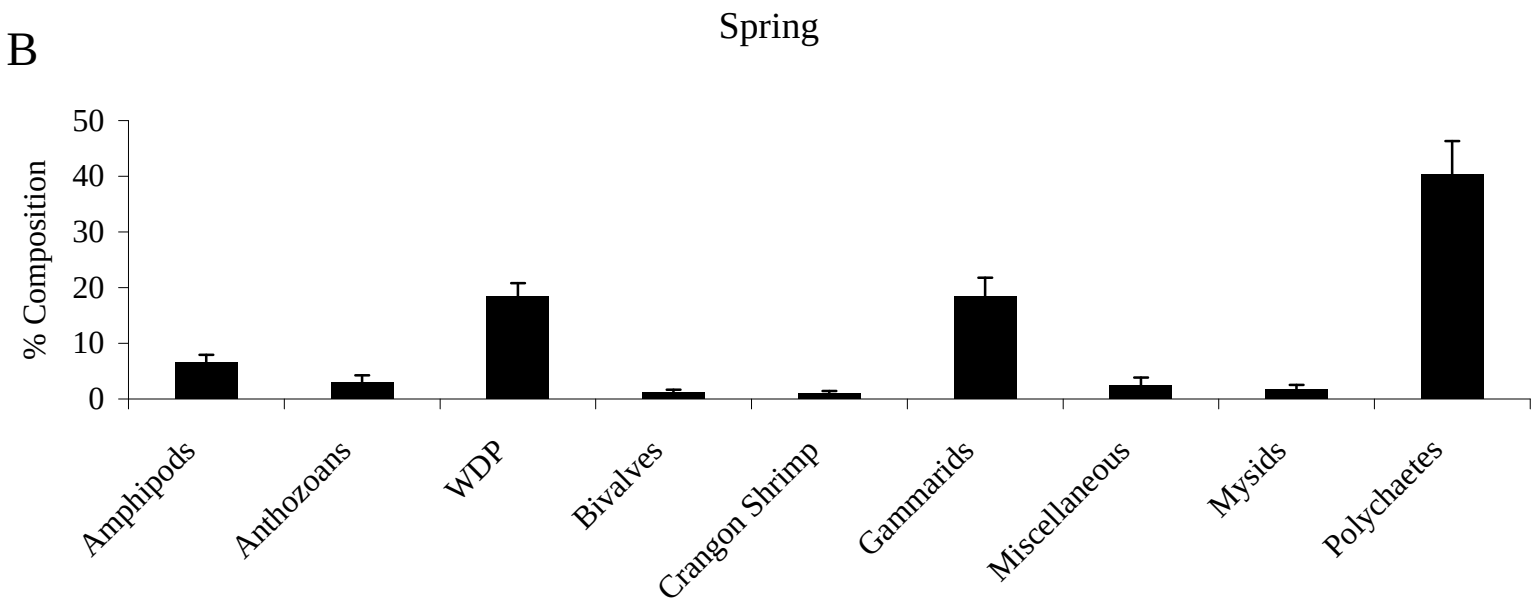

Figure 191B. Percent diet composition by weight of major prey taxa for yellowtail flounder (*Limanda ferruginea*) collected in the spring (n = 3,202). WDP = well-digested prey.

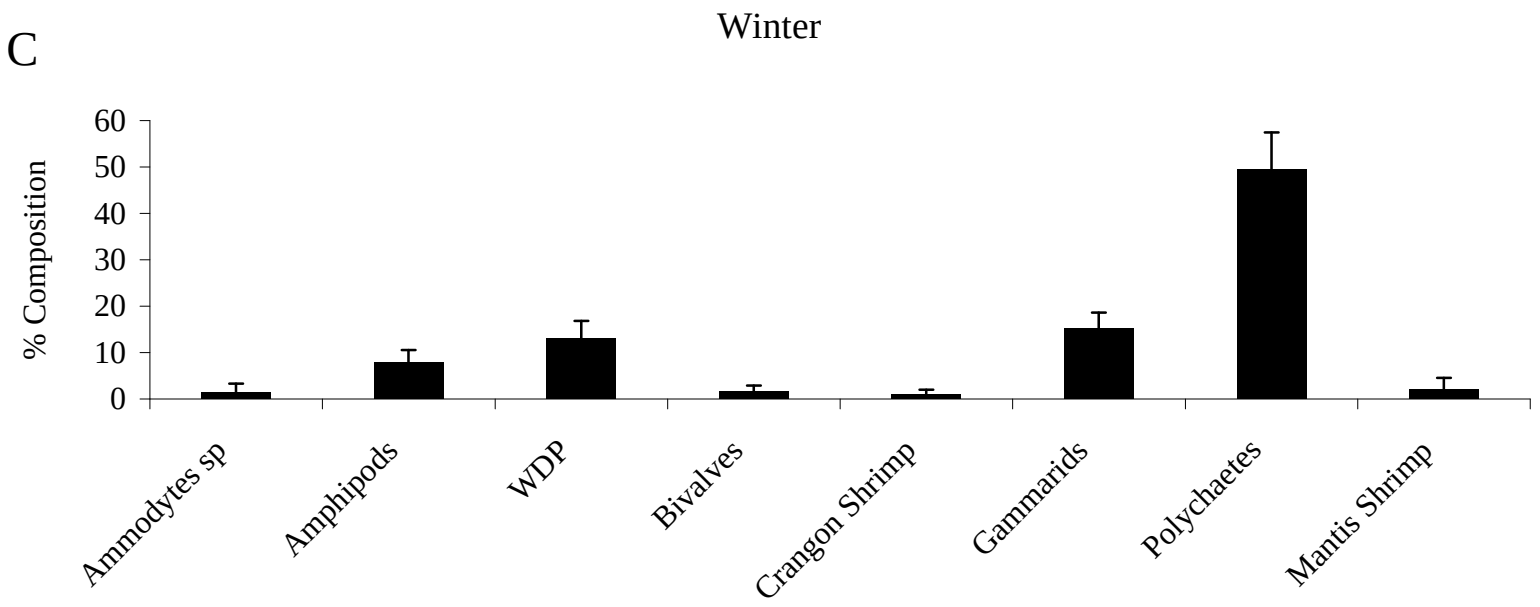

Figure 191C. Percent diet composition by weight of major prey taxa for yellowtail flounder (*Limanda ferruginea*) collected in the winter (n = 904). WDP = well-digested prey.

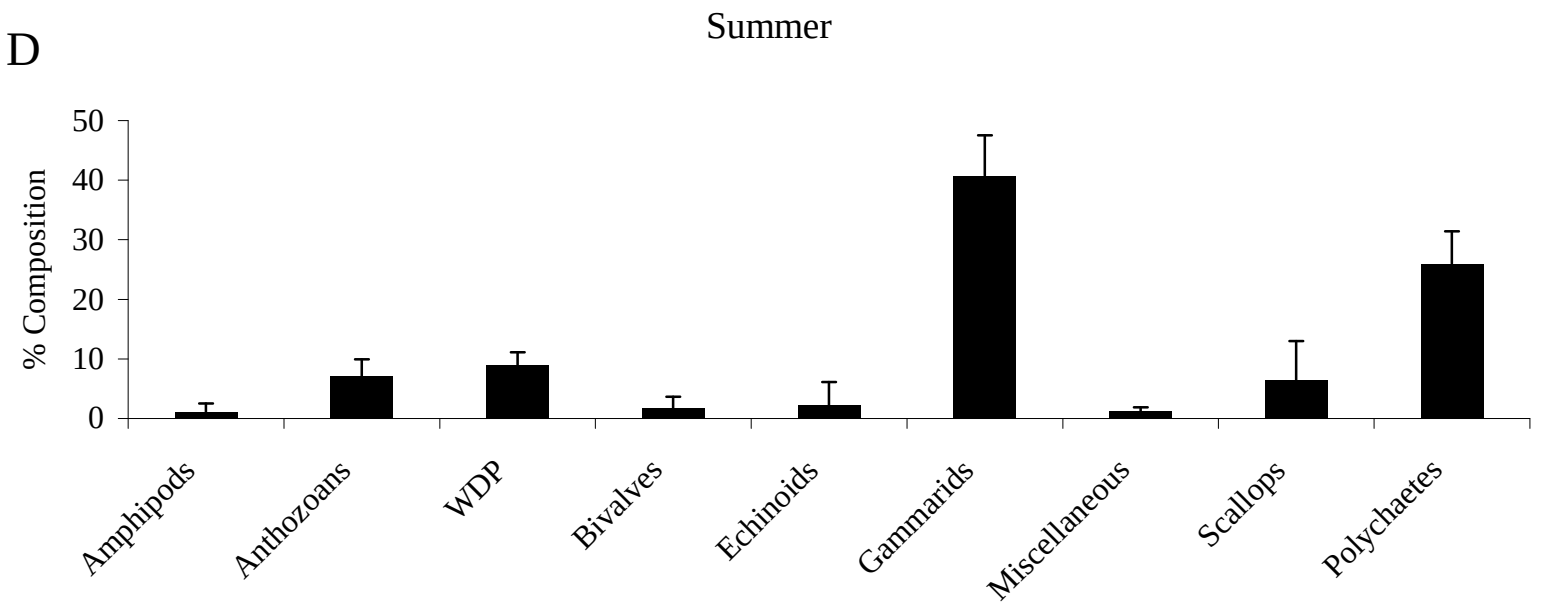

Figure 191D. Percent diet composition by weight of major prey taxa for yellowtail flounder (*Limanda ferruginea*) collected in the summer (n = 607). WDP = well-digested prey.

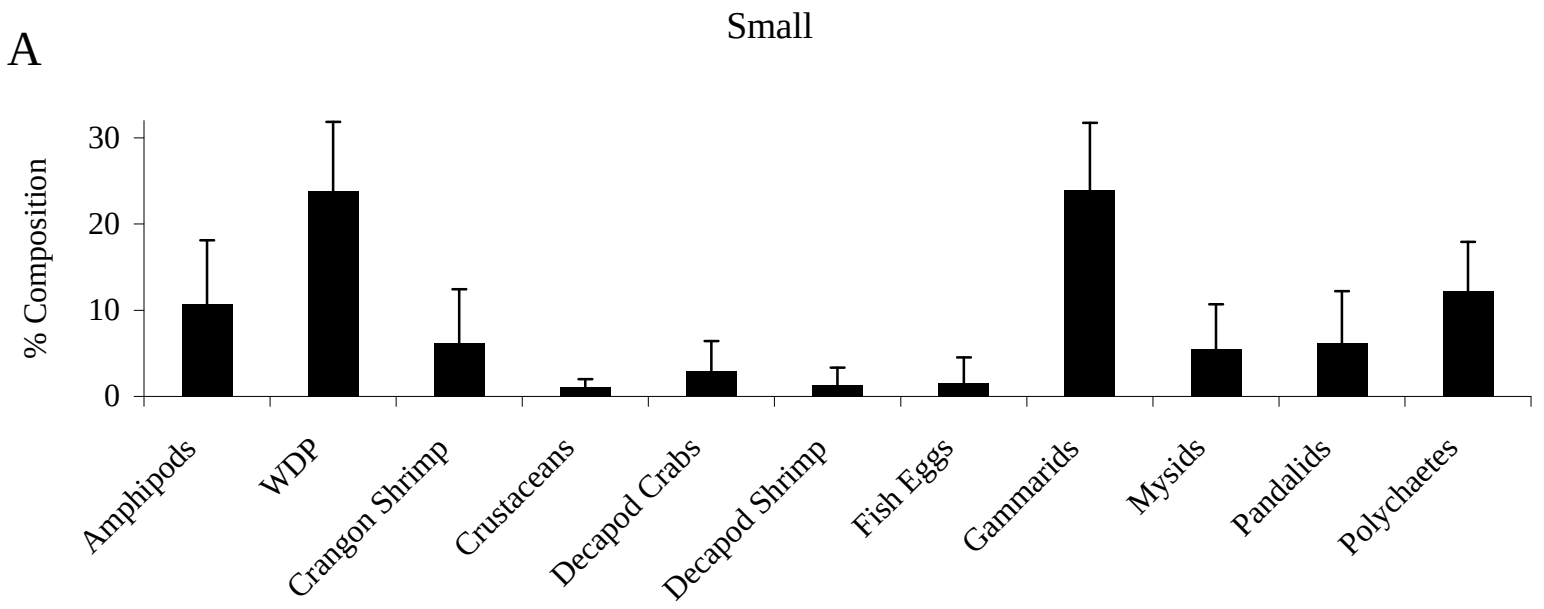

Figure 192A. Percent diet composition by weight of major prey taxa for yellowtail flounder (*Limanda ferruginea*)in the small size class (n = 383). WDP = well-digested prey.

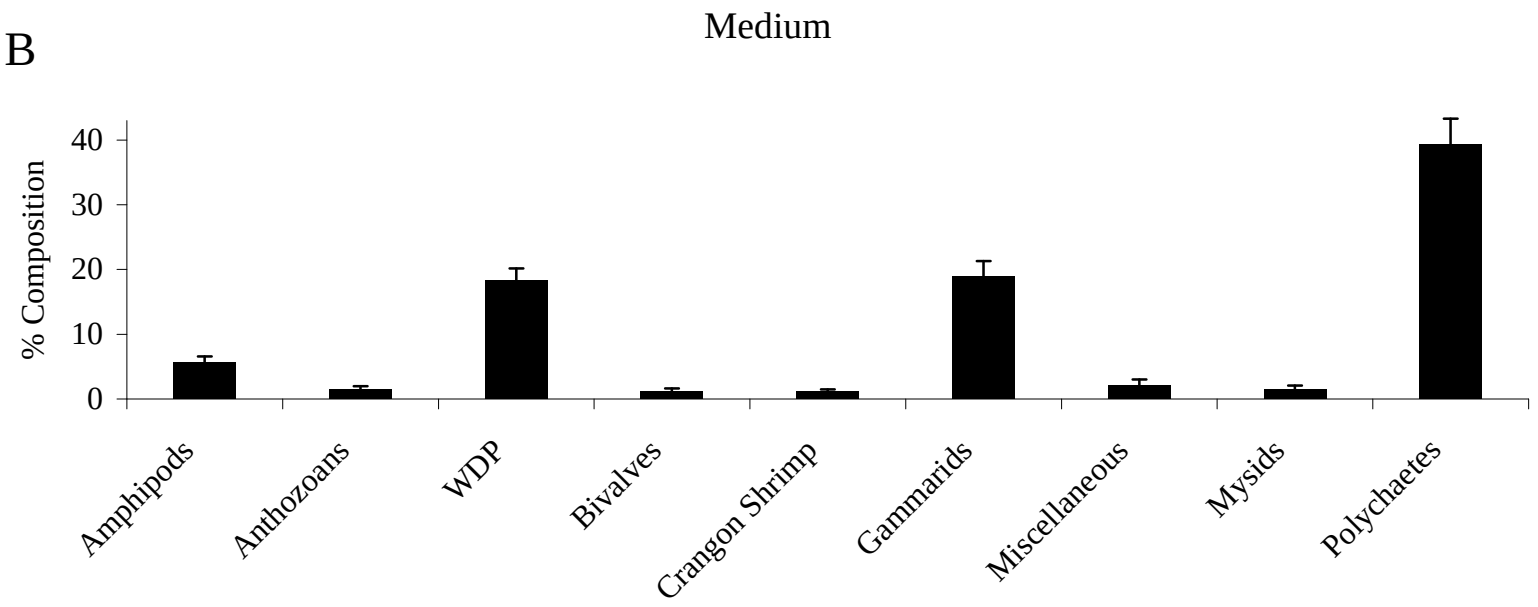

Figure 192B. Percent diet composition by weight of major prey taxa for yellowtail flounder (*Limanda ferruginea*) in the medium size class (n = 5,814). WDP = well-digested prey.

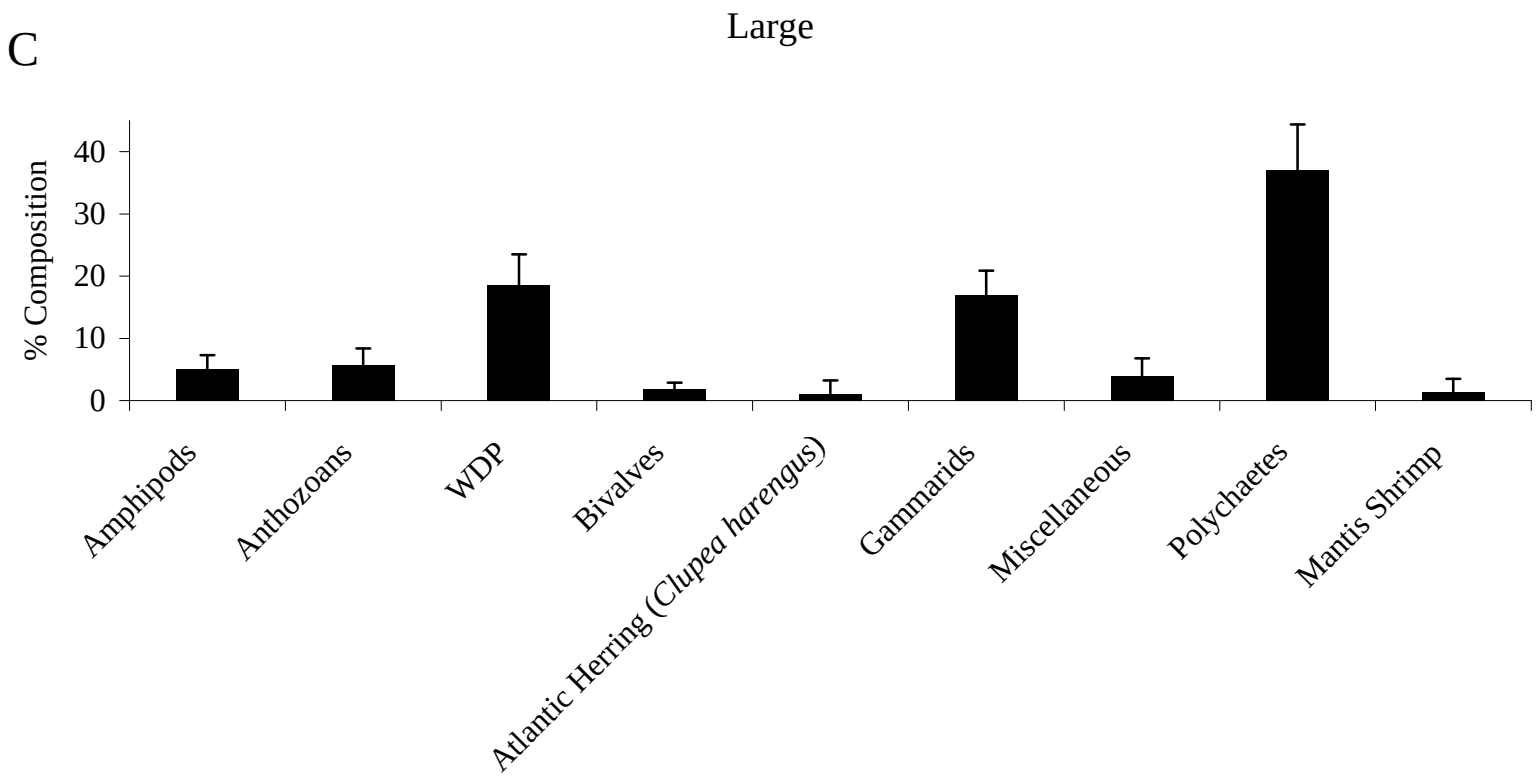

Figure 192C. Percent diet composition by weight of major prey taxa for yellowtail flounder (*Limanda ferruginea*) in the large size class (n = 855). WDP = well-digested prey.

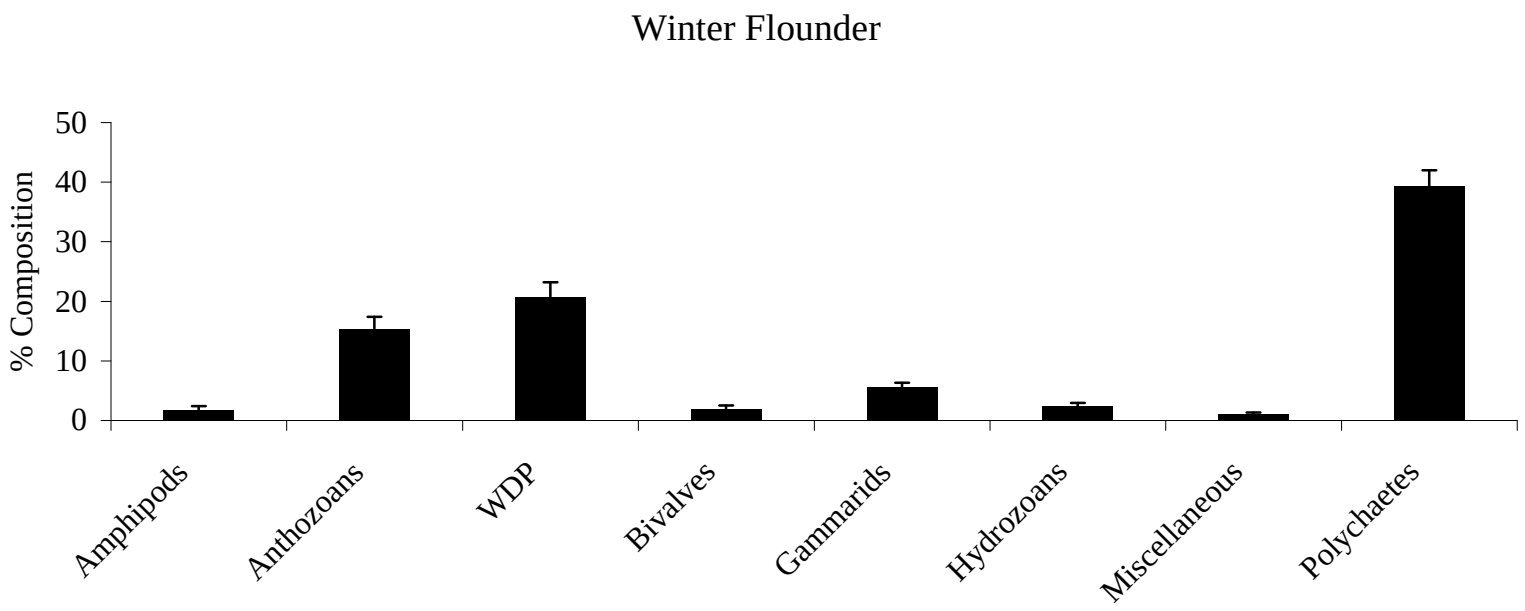

Figure 193. Percent diet composition by weight of major prey taxa for winter flounder (*Pseudopleuronectes americanus*; n = 9,278). WDP = well-digested prey.

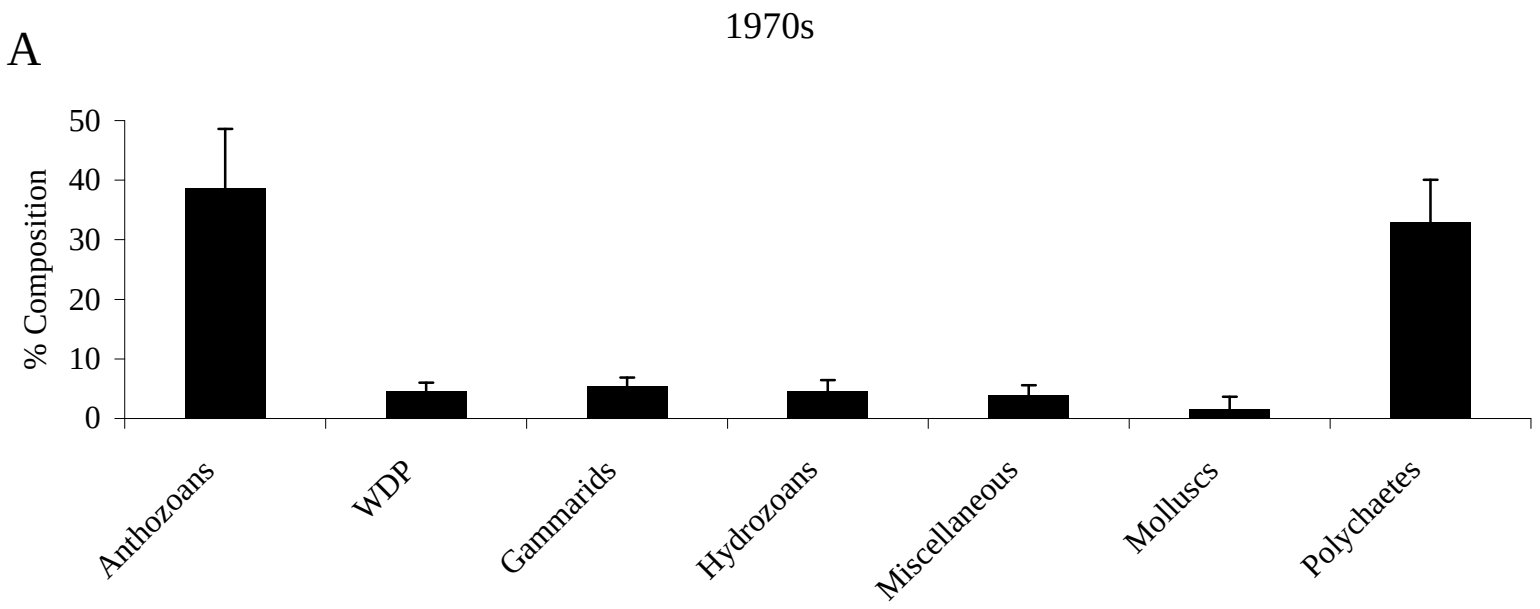

Figure 194A. Percent diet composition by weight of major prey taxa for winter flounder (*Pseudopleuronectes americanus*) collected in the 1970s (n = 1,229). WDP = well-digested prey.

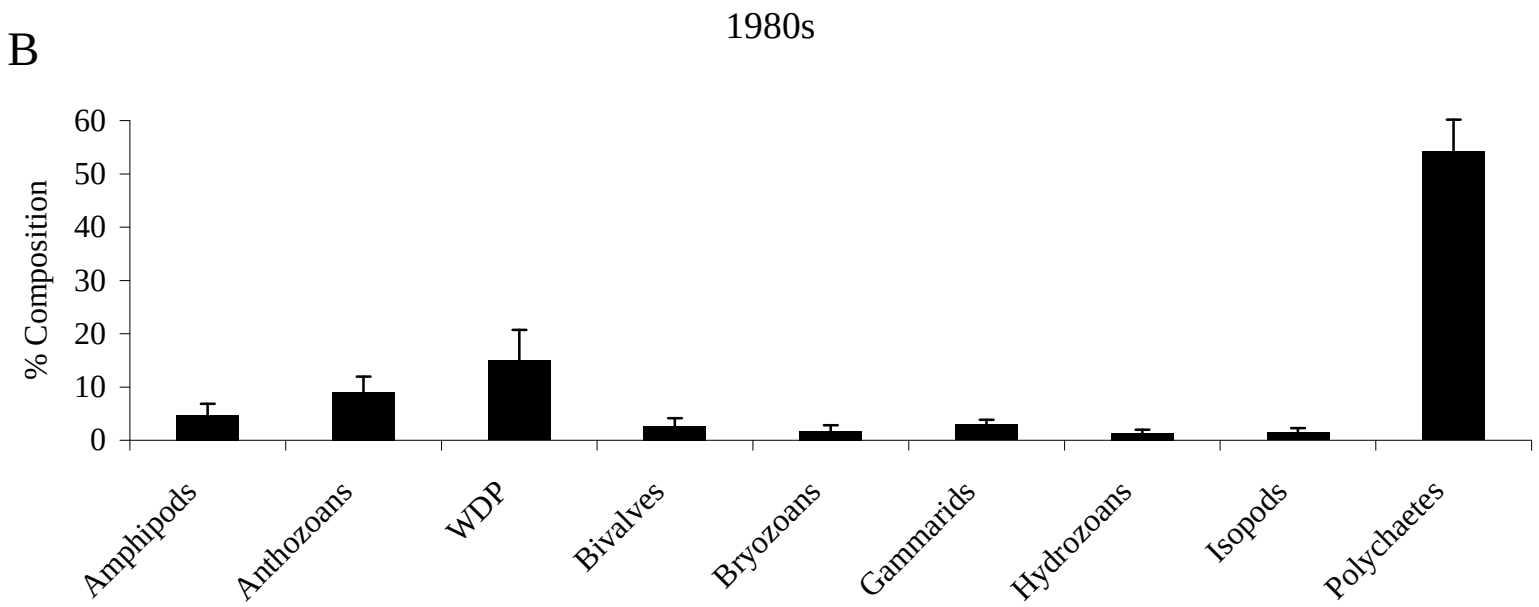

Figure 194B. Percent diet composition by weight of major prey taxa for winter flounder (*Pseudopleuronectes americanus*) collected in the 1980s (n = 1,395). WDP = well-digested prey.

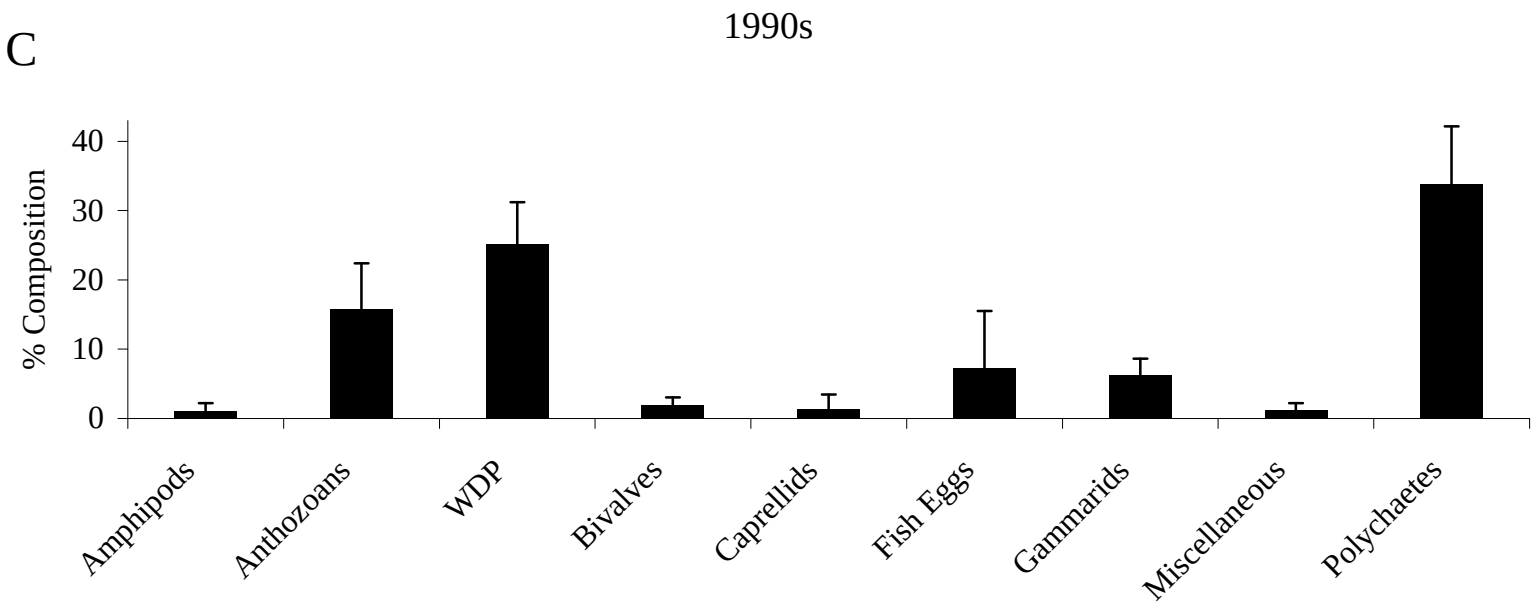

Figure 194C. Percent diet composition by weight of major prey taxa for winter flounder (*Pseudopleuronectes americanus*) collected in the 1990s (n = 848). WDP = well-digested prey.

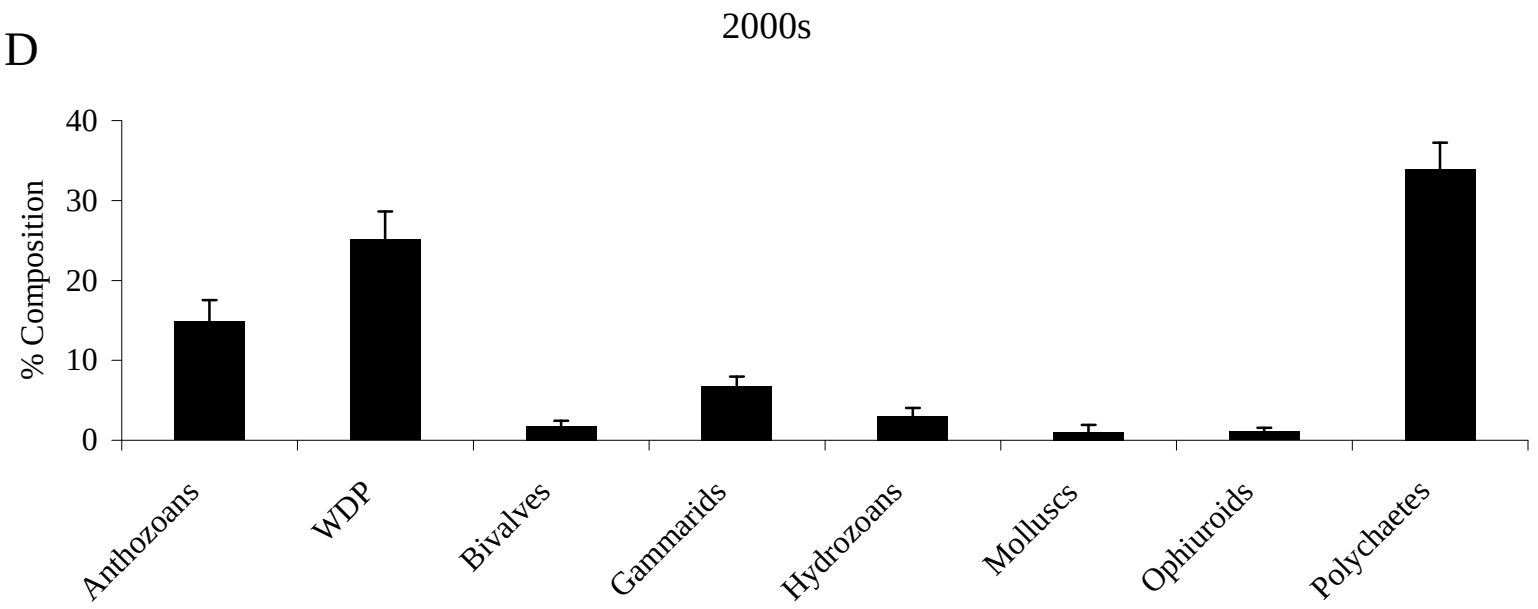

Figure 194D. Percent diet composition by weight of major prey taxa for winter flounder (*Pseudopleuronectes americanus*) collected in the 2000s (n = 5,806). WDP = well-digested prey.

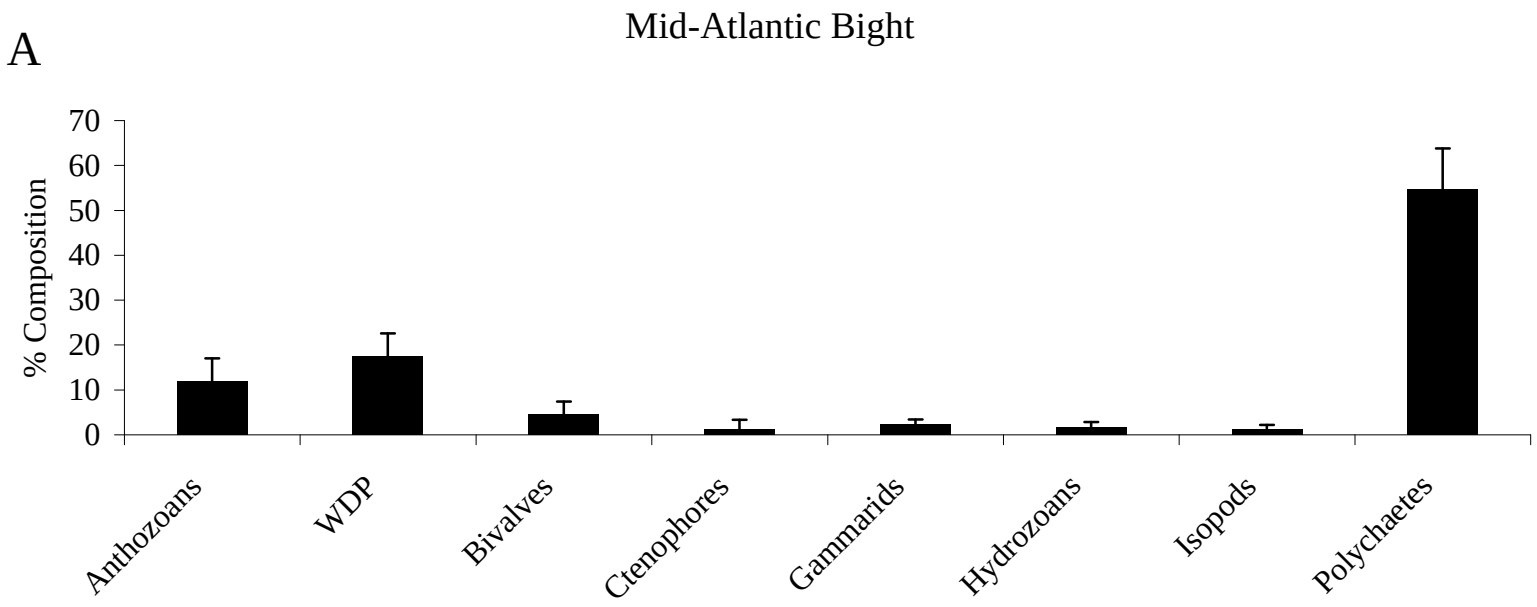

Figure 195A. Percent diet composition by weight of major prey taxa for winter flounder (*Pseudopleuronectes americanus*) collected in the Mid-Atlantic Bight (n = 676). WDP = well-digested prey.

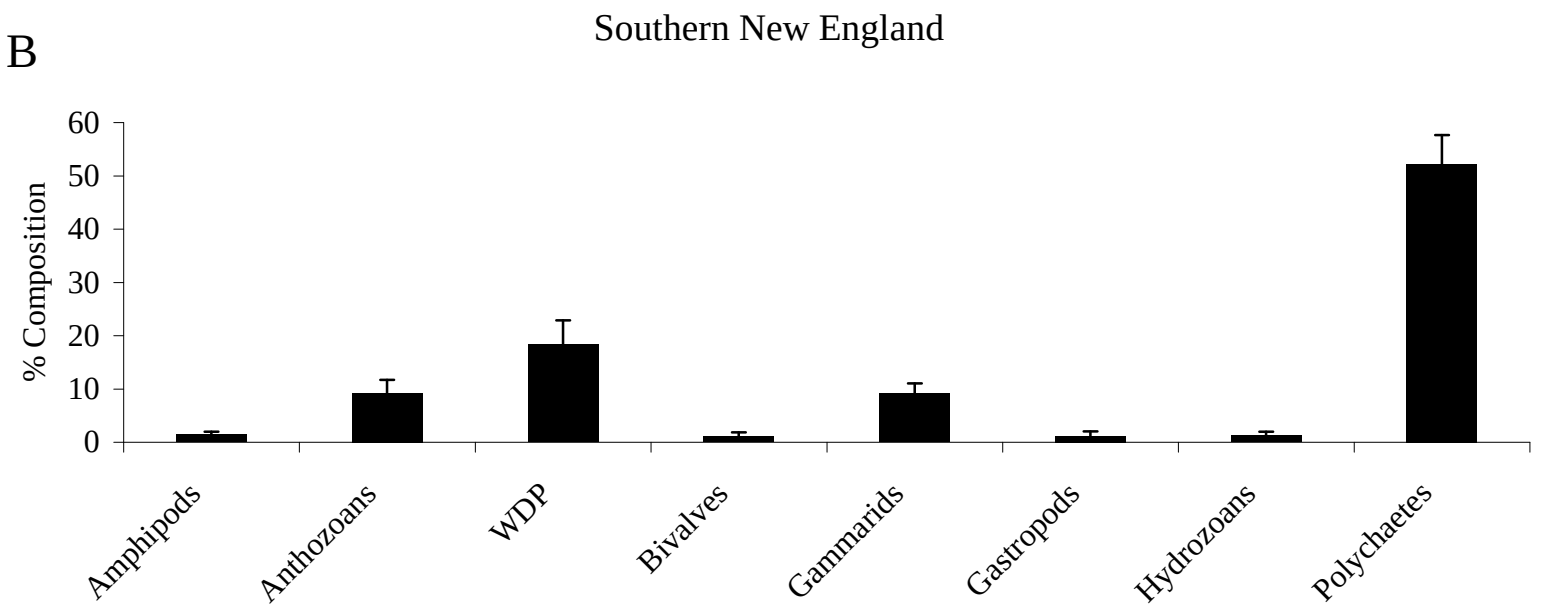

Figure 195B. Percent diet composition by weight of major prey taxa for winter flounder (*Pseudopleuronectes americanus*) collected in Southern New England (n = 3,568). WDP = well-digested prey.

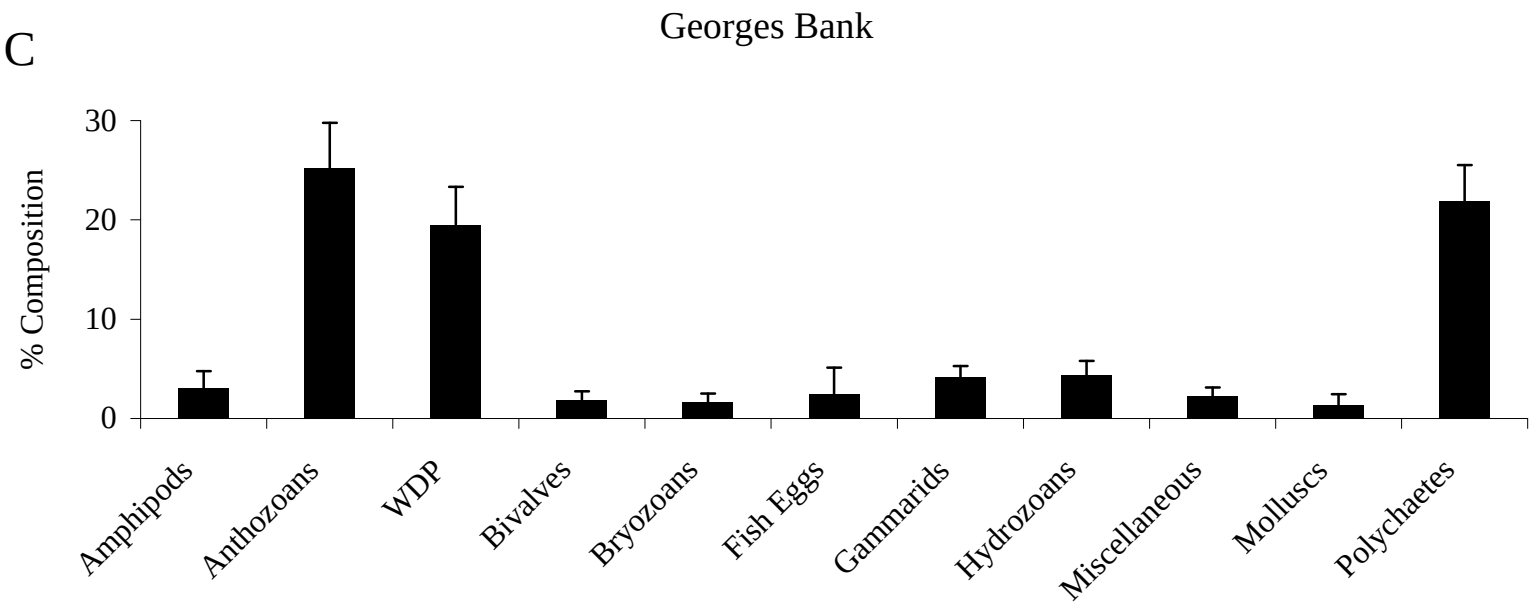

Figure 195C. Percent diet composition by weight of major prey taxa for winter flounder (*Pseudopleuronectes americanus*) collected on Georges Bank (n = 2,499). WDP = well-digested prey.

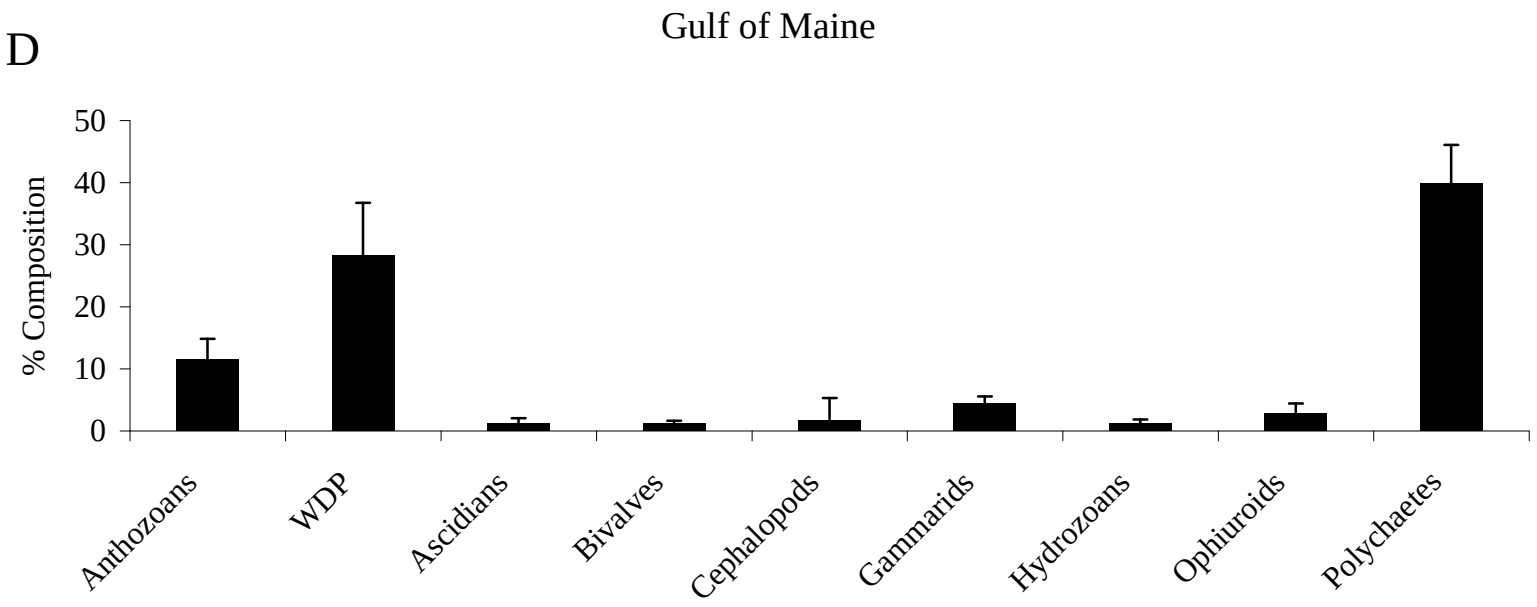

Figure 195D. Percent diet composition by weight of major prey taxa for winter flounder (*Pseudopleuronectes americanus*) collected in the Gulf of Maine (n = 1,805). WDP = well-digested prey.

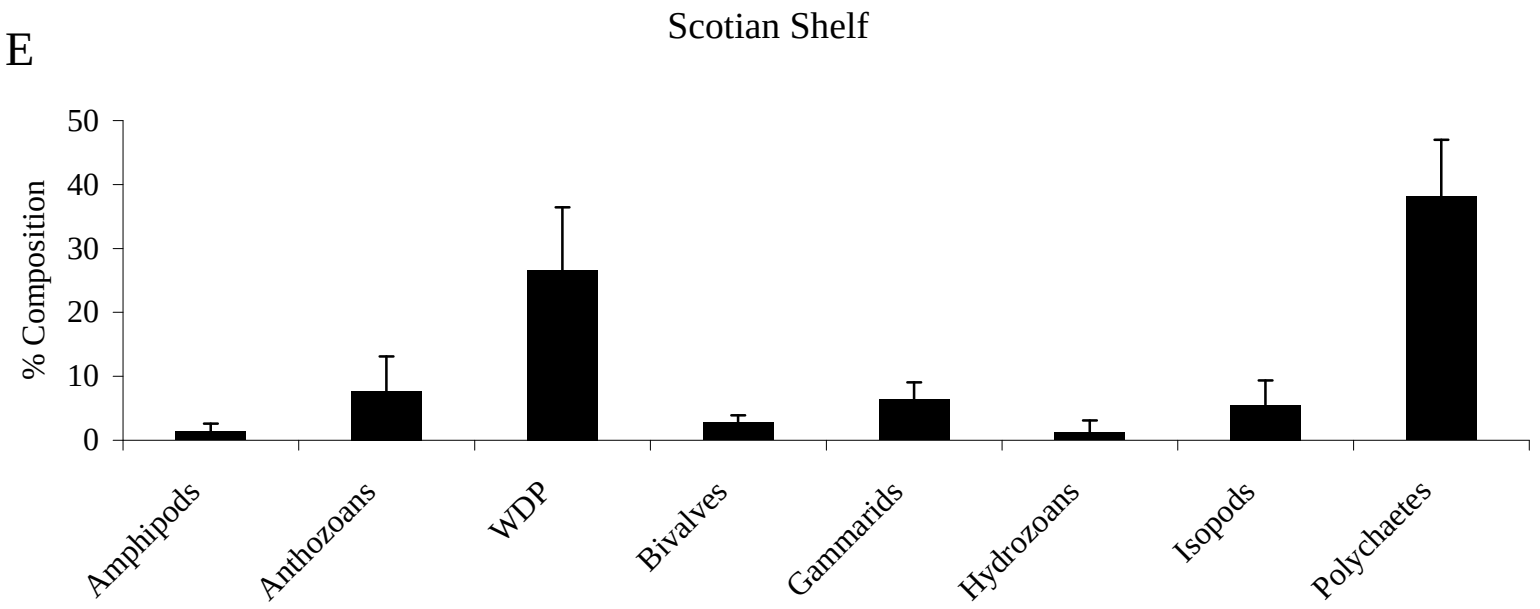

Figure 195E. Percent diet composition by weight of major prey taxa for winter flounder (*Pseudopleuronectes americanus*) collected on the Scotian Shelf (n = 730). WDP = well-digested prey.

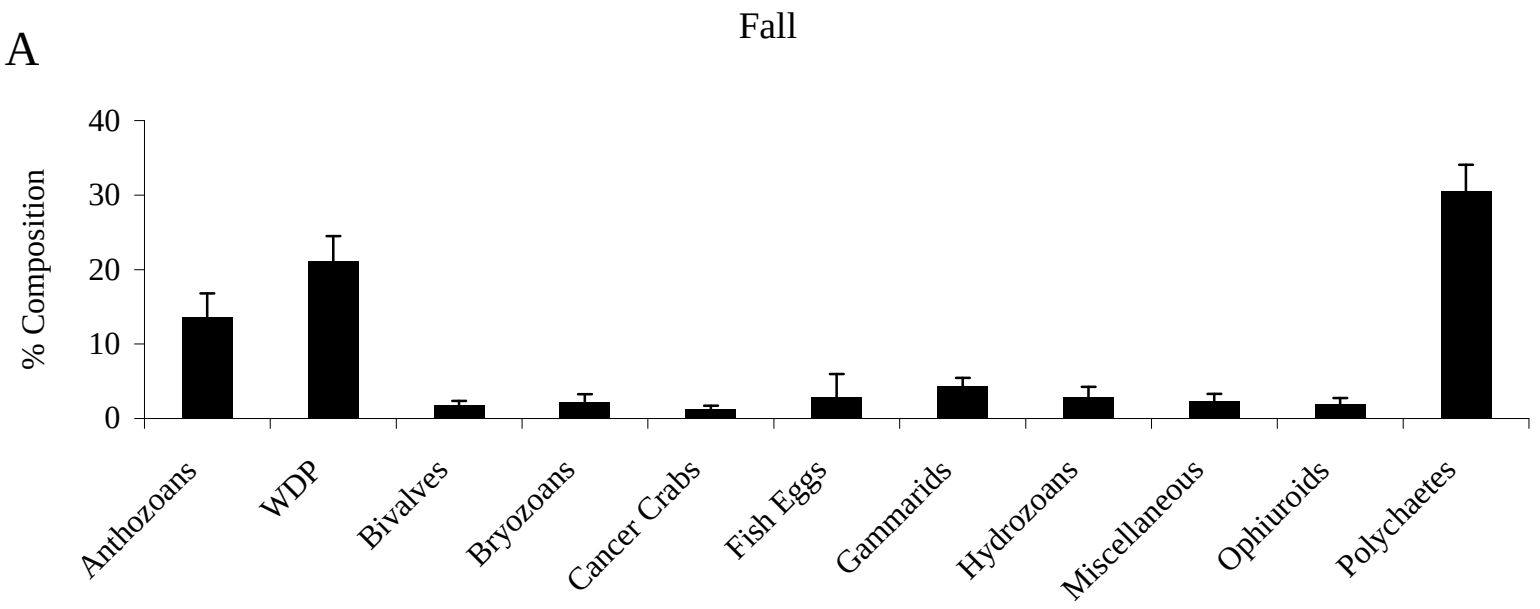

Figure 196A. Percent diet composition by weight of major prey taxa for winter flounder (*Pseudopleuronectes americanus*) collected in the fall (n = 3,308). WDP = well-digested prey.

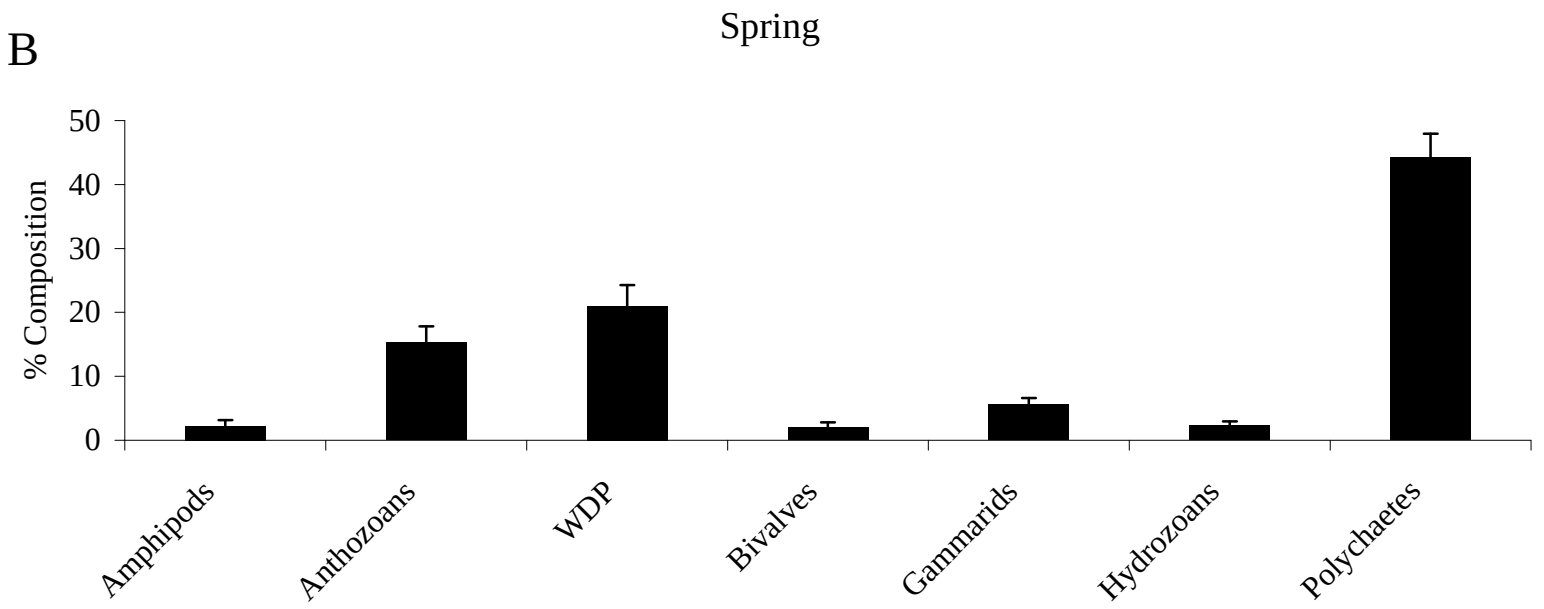

Figure 196B. Percent diet composition by weight of major prey taxa for winter flounder (*Pseudopleuronectes americanus*) collected in the spring (n = 4,919). WDP = well-digested prey.

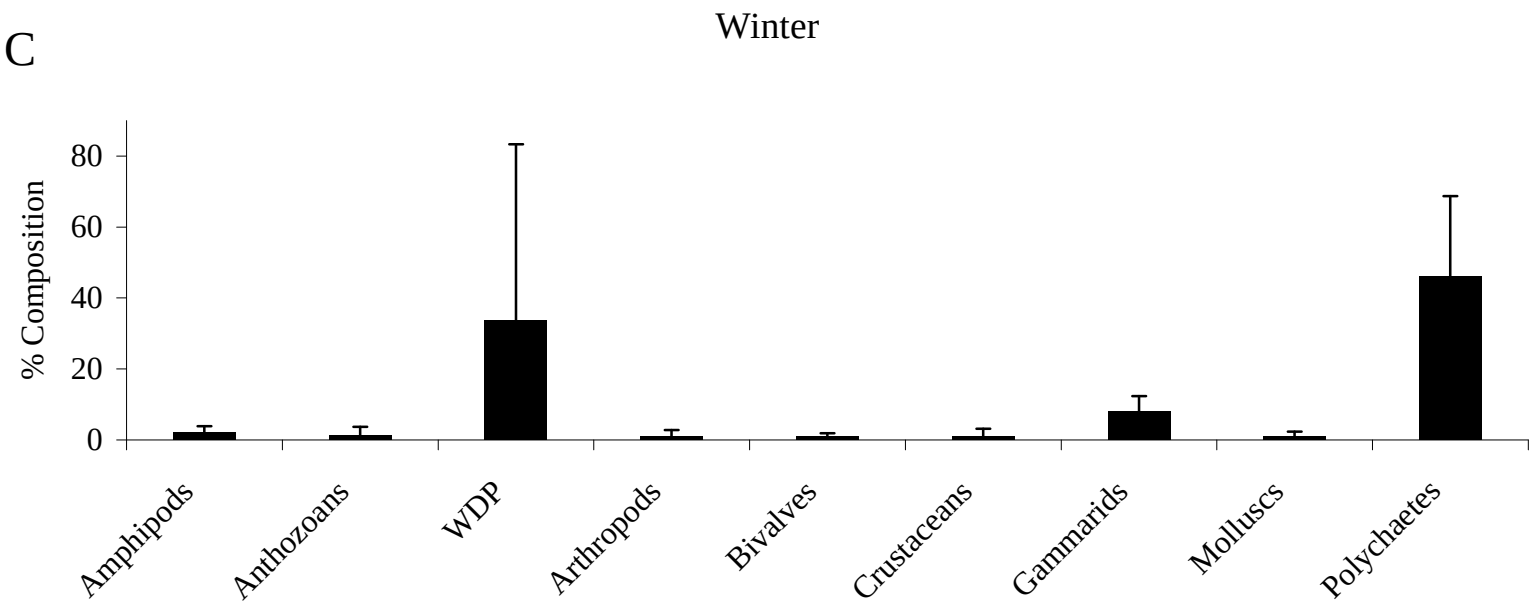

Figure 196C. Percent diet composition by weight of major prey taxa for winter flounder (*Pseudopleuronectes americanus*) collected in the winter (n = 474). WDP = well-digested prey.

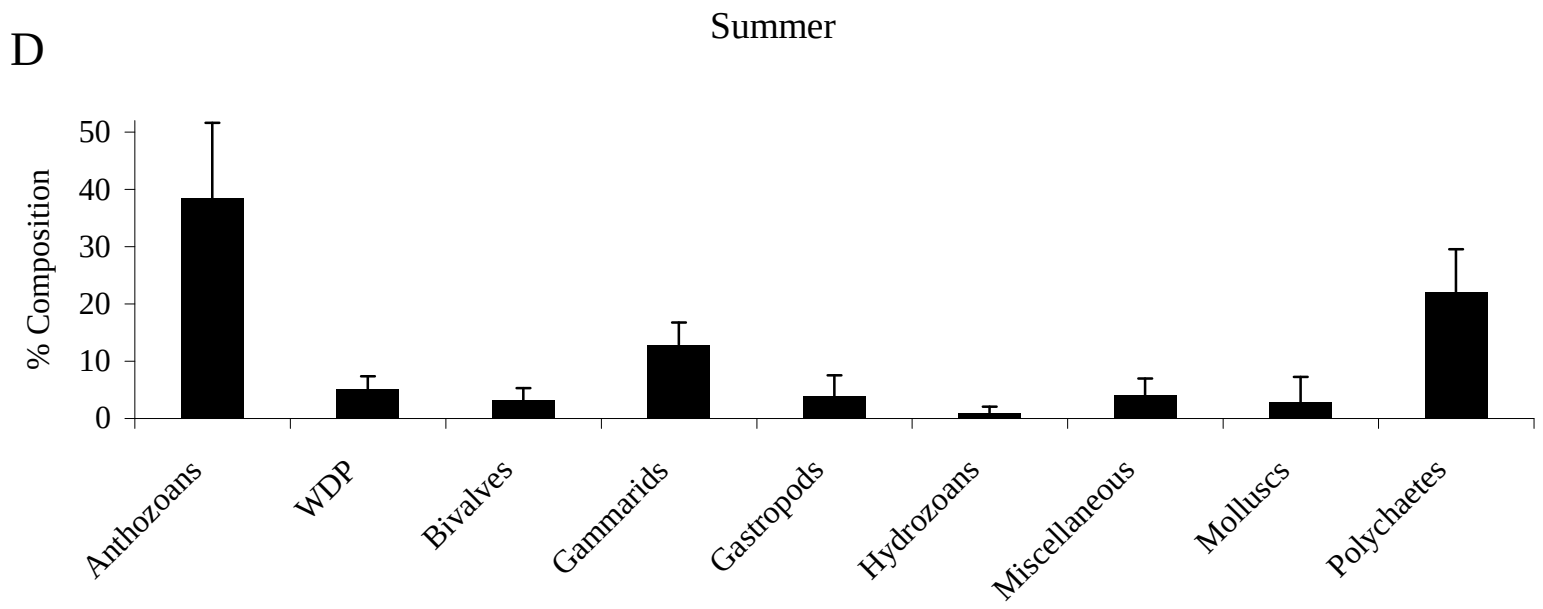

Figure 196D. Percent diet composition by weight of major prey taxa for winter flounder (*Pseudopleuronectes americanus*) collected in the summer (n = 577). WDP = well-digested prey.

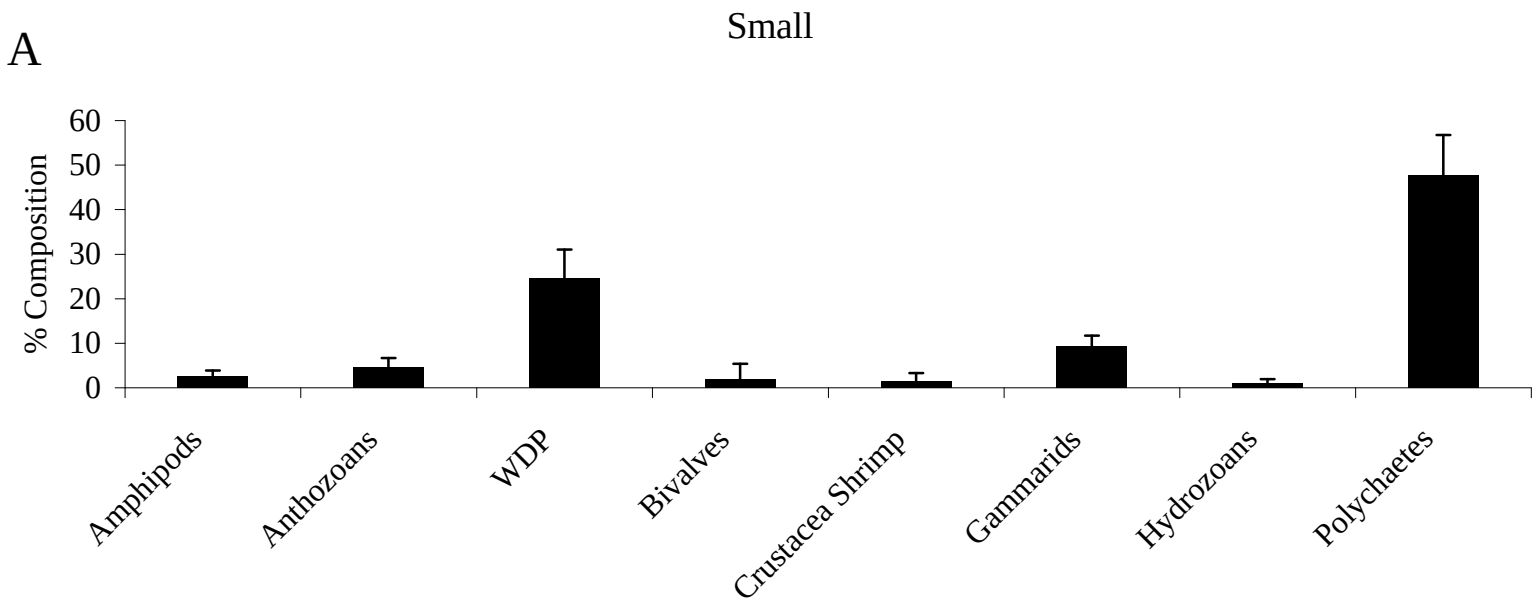

Figure 197A. Percent diet composition by weight of major prey taxa for winter flounder (*Pseudopleuronectes americanus*) in the small size class (n = 1,011). WDP = well-digested prey.

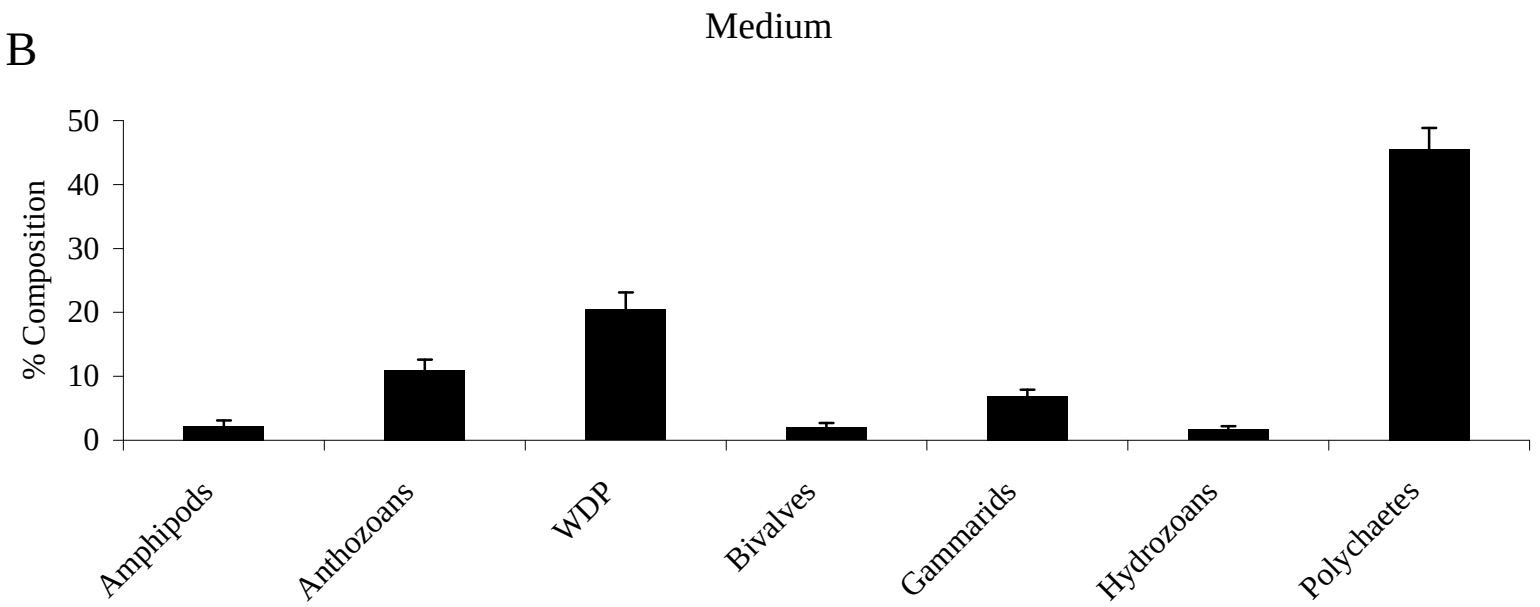

Figure 197B. Percent diet composition by weight of major prey taxa for winter flounder (*Pseudopleuronectes americanus*) in the medium size class (n = 6,681). WDP = well-digested prey.

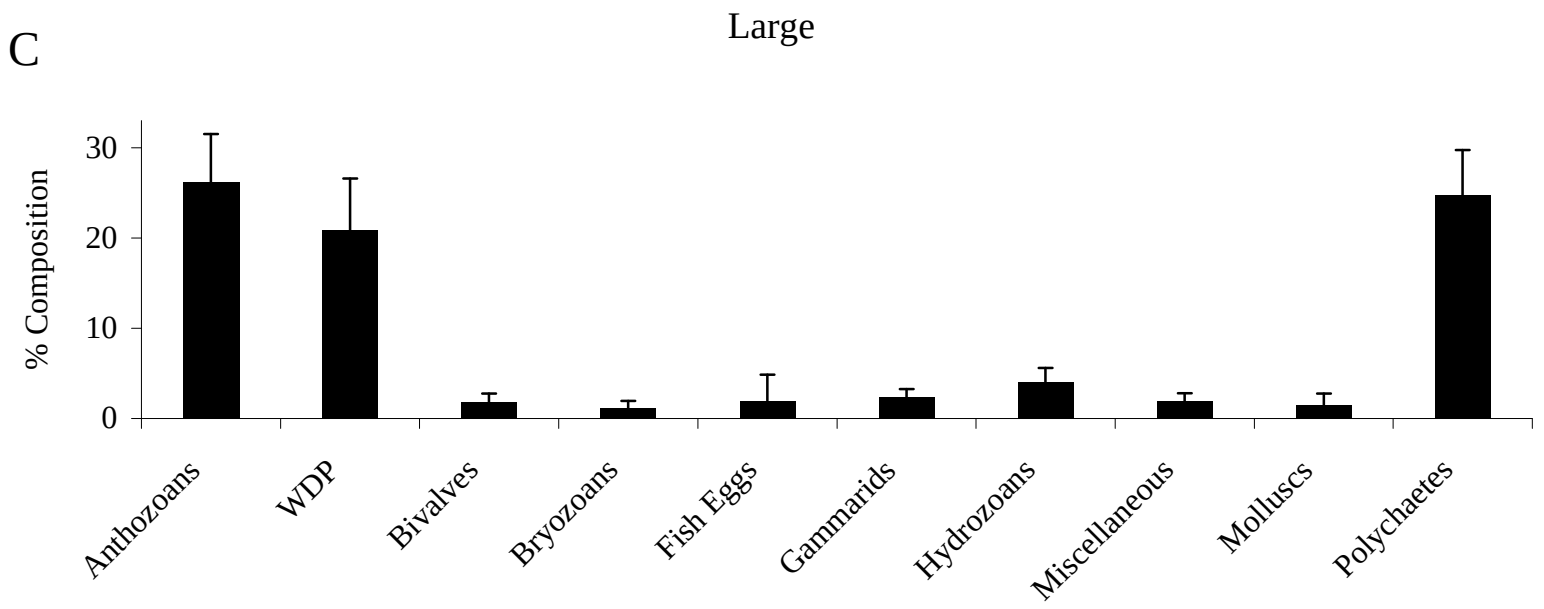

Figure 197C. Percent diet composition by weight of major prey taxa for winter flounder (*Pseudopleuronectes americanus*) in the large size class (n = 1,405). WDP = well-digested prey.

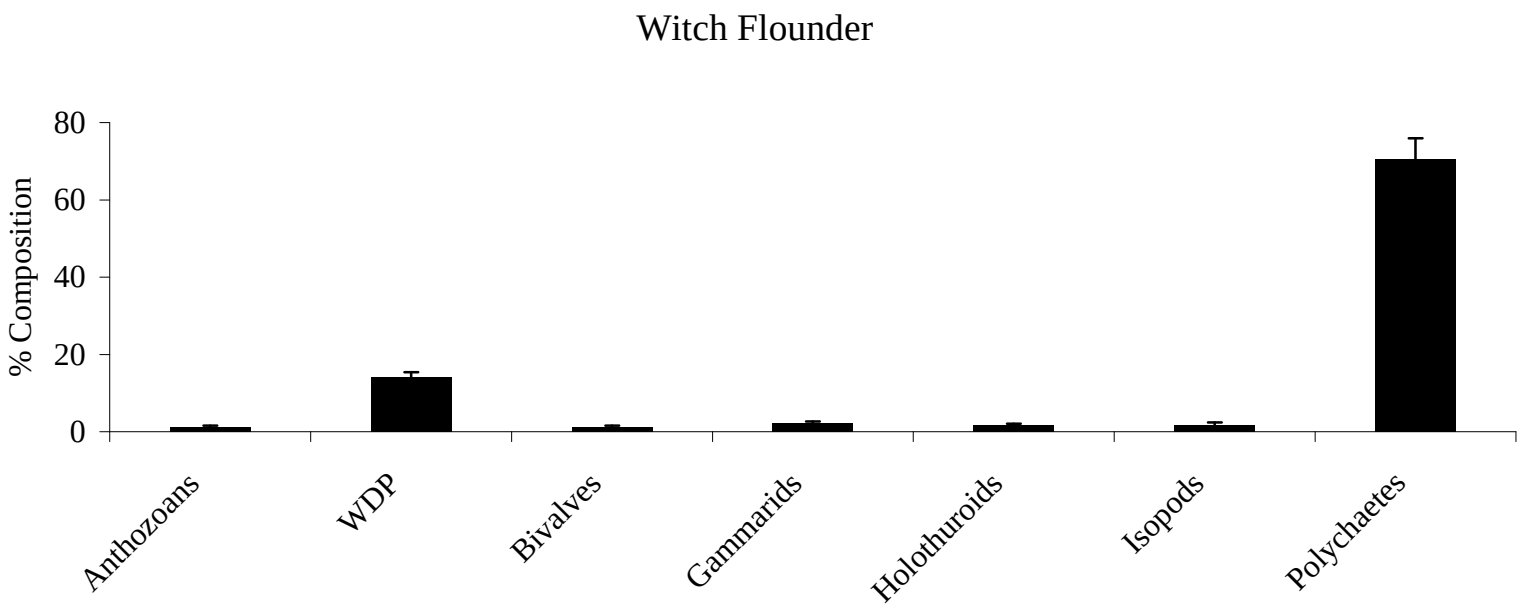

Figure 198. Percent diet composition by weight of major prey taxa for witch flounder (*Glyptocephalus cynoglossus*; n = 5,031). WDP = well-digested prey.

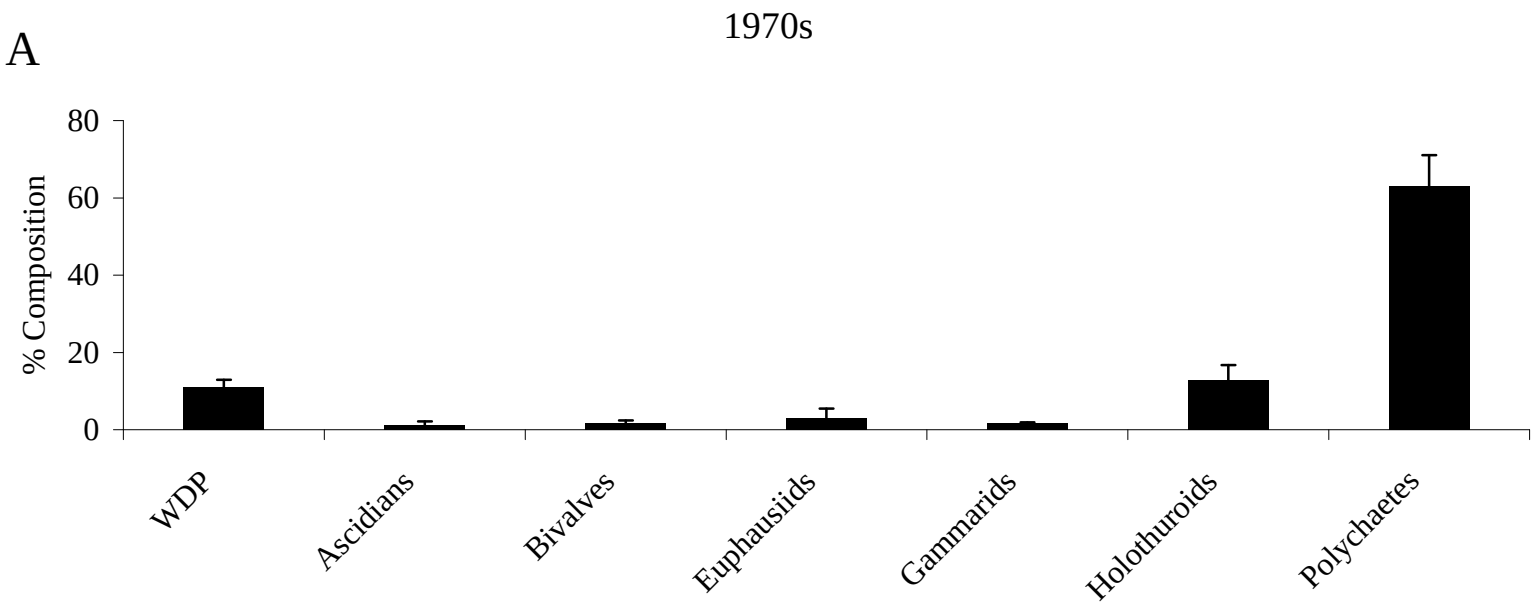

Figure 199A. Percent diet composition by weight of major prey taxa for witch flounder (*Glyptocephalus cynoglossus*) collected in the 1970s (n = 829). WDP = well-digested prey.

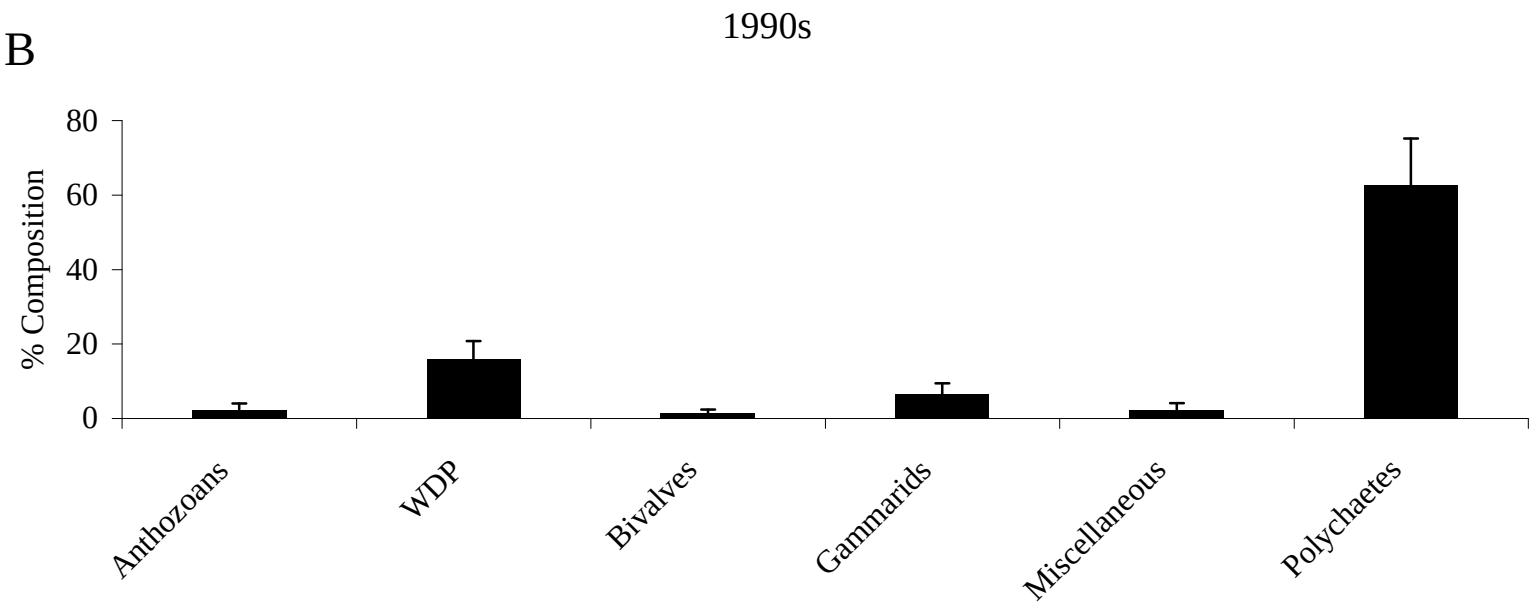

Figure 199B. Percent diet composition by weight of major prey taxa for witch flounder (*Glyptocephalus cynoglossus*) collected in the 1990s (n = 411). WDP = well-digested prey.

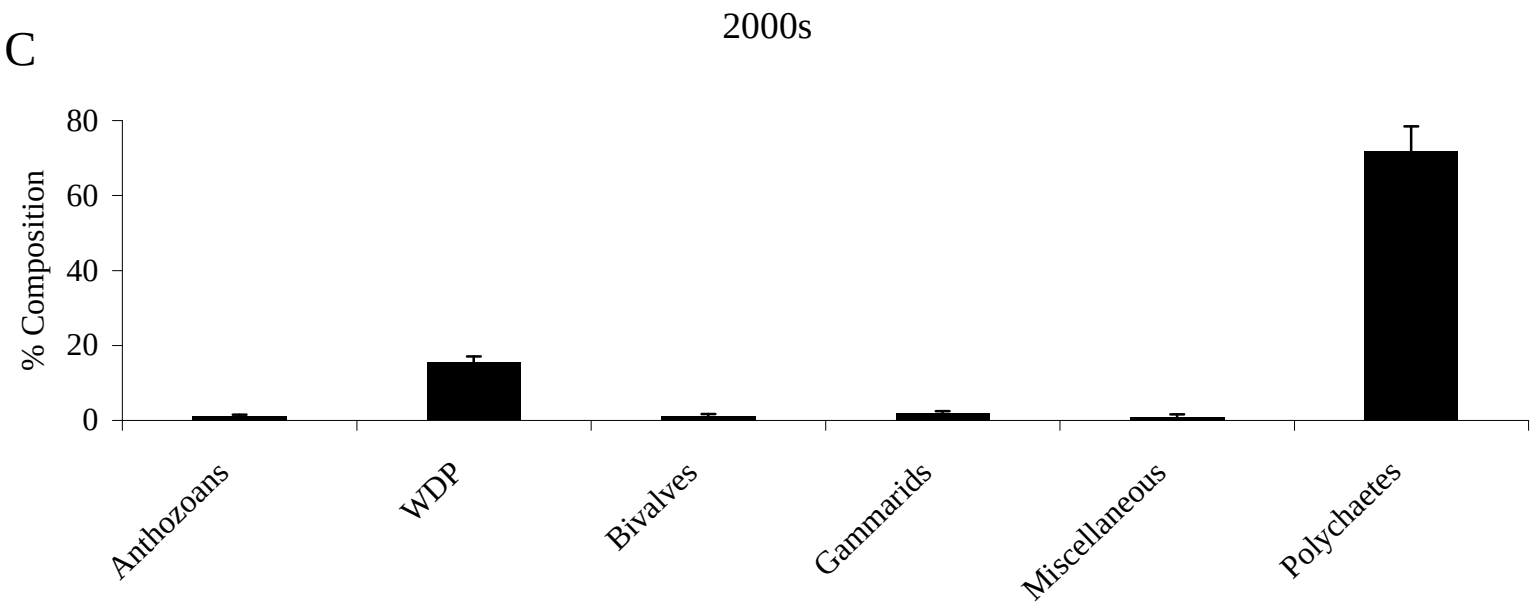

Figure 199C. Percent diet composition by weight of major prey taxa for witch flounder (*Glyptocephalus cynoglossus*) collected in the 2000s (n = 3,693). WDP = well-digested prey.

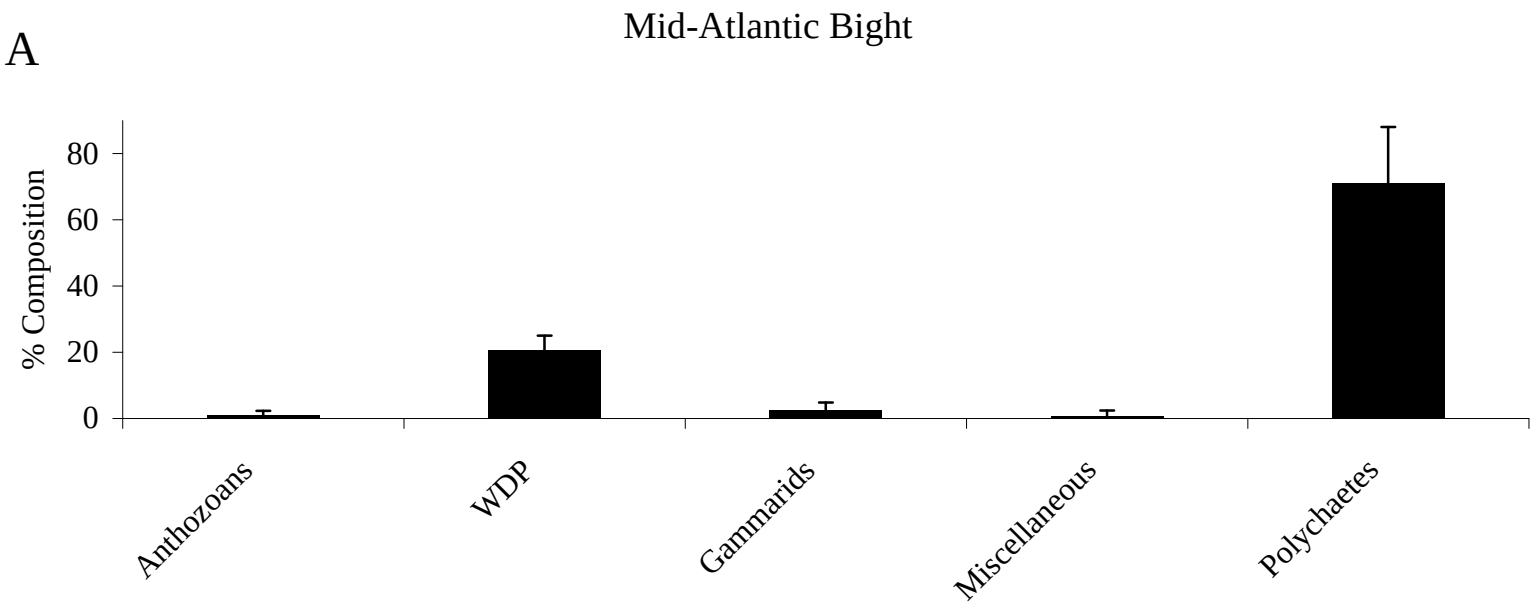

Figure 200A. Percent diet composition by weight of major prey taxa for witch flounder (*Glyptocephalus cynoglossus*) collected in the Mid-Atlantic Bight (n = 646). WDP = well-digested prey.

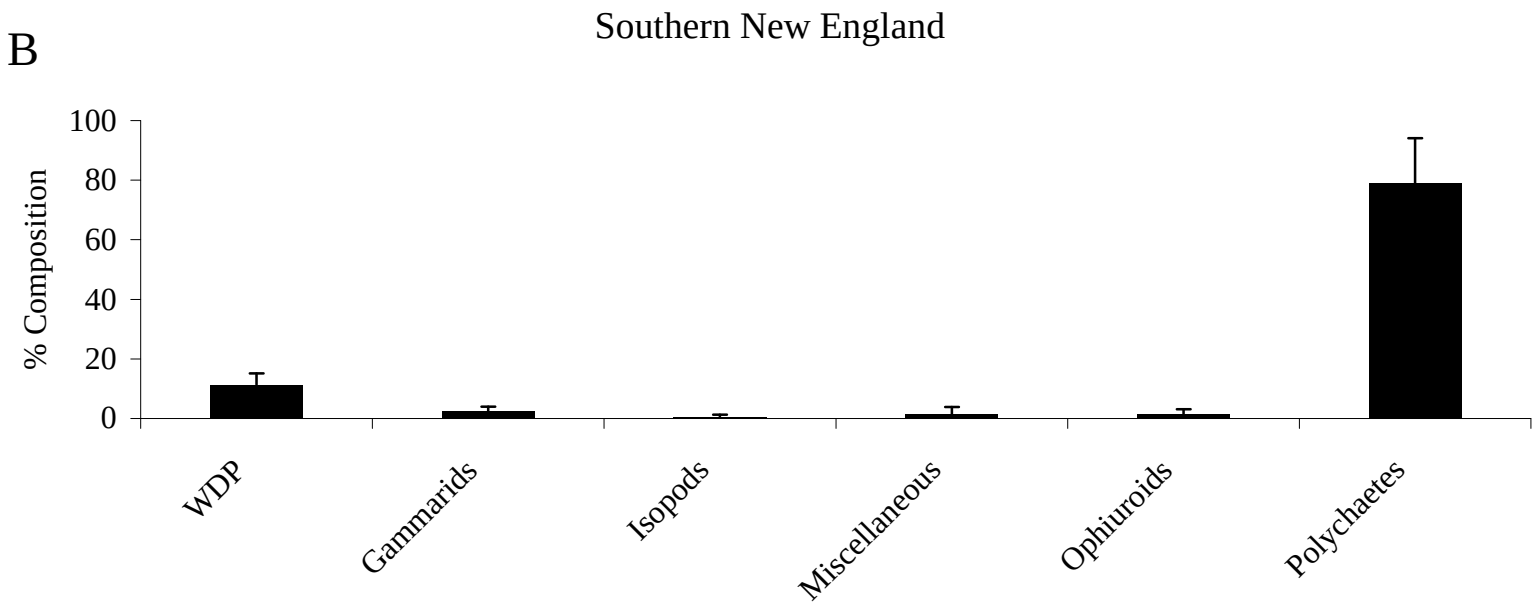

Figure 200B. Percent diet composition by weight of major prey taxa for witch flounder (*Glyptocephalus cynoglossus*) collected in Southern New England (n = 611). WDP = well-digested prey.

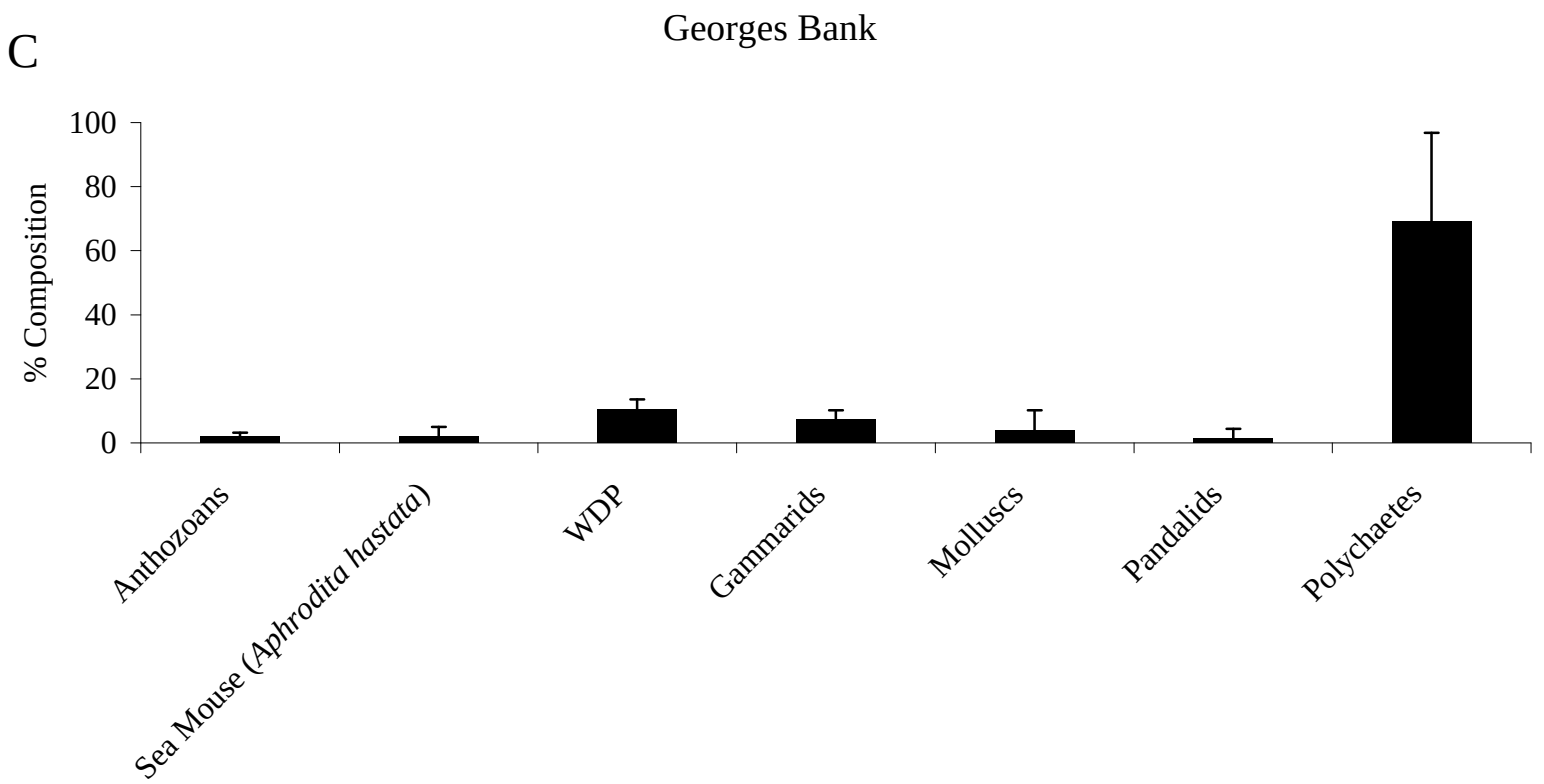

Figure 200C. Percent diet composition by weight of major prey taxa for witch flounder (*Glyptocephalus cynoglossus*) collected on Georges Bank (n = 422). WDP = well-digested prey.

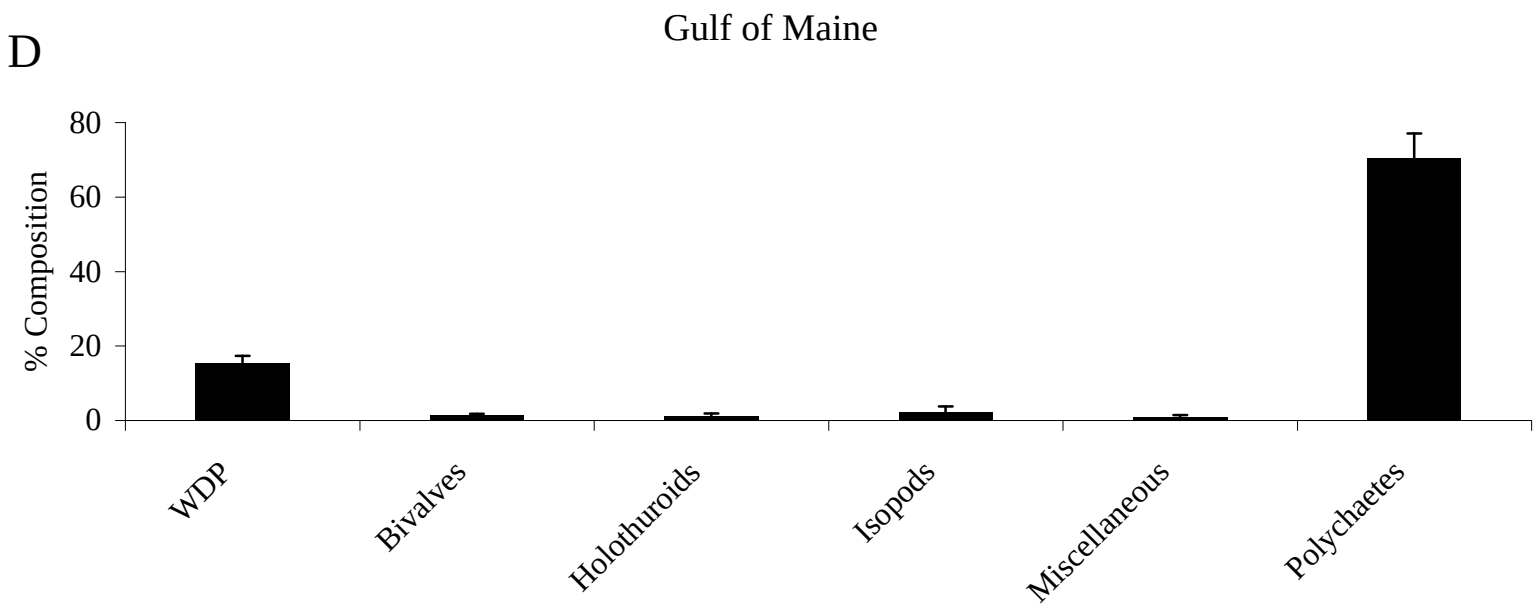

Figure 200D. Percent diet composition by weight of major prey taxa for witch flounder (*Glyptocephalus cynoglossus*) collected in the Gulf of Maine (n = 2,671). WDP = well-digested prey.

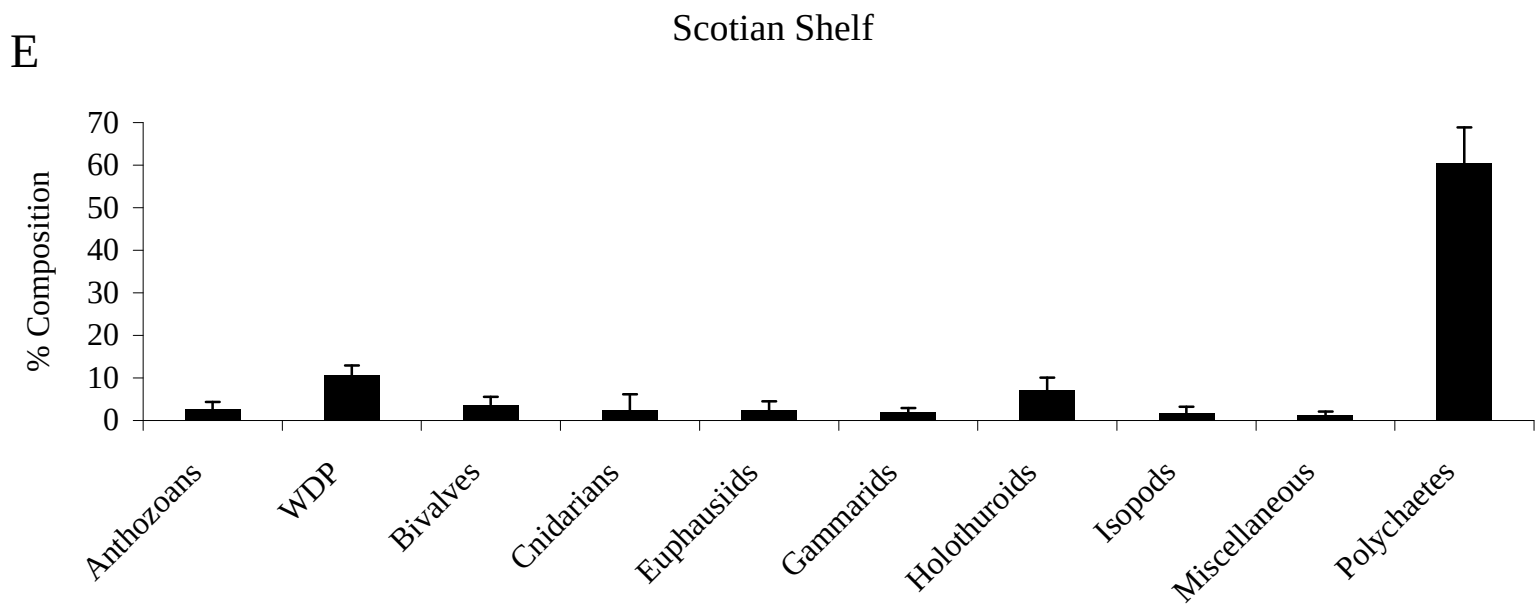

Figure 200E. Percent diet composition by weight of major prey taxa for witch flounder (*Glyptocephalus cynoglossus*) collected on the Scotian Shelf (n = 668). WDP = well-digested prey.

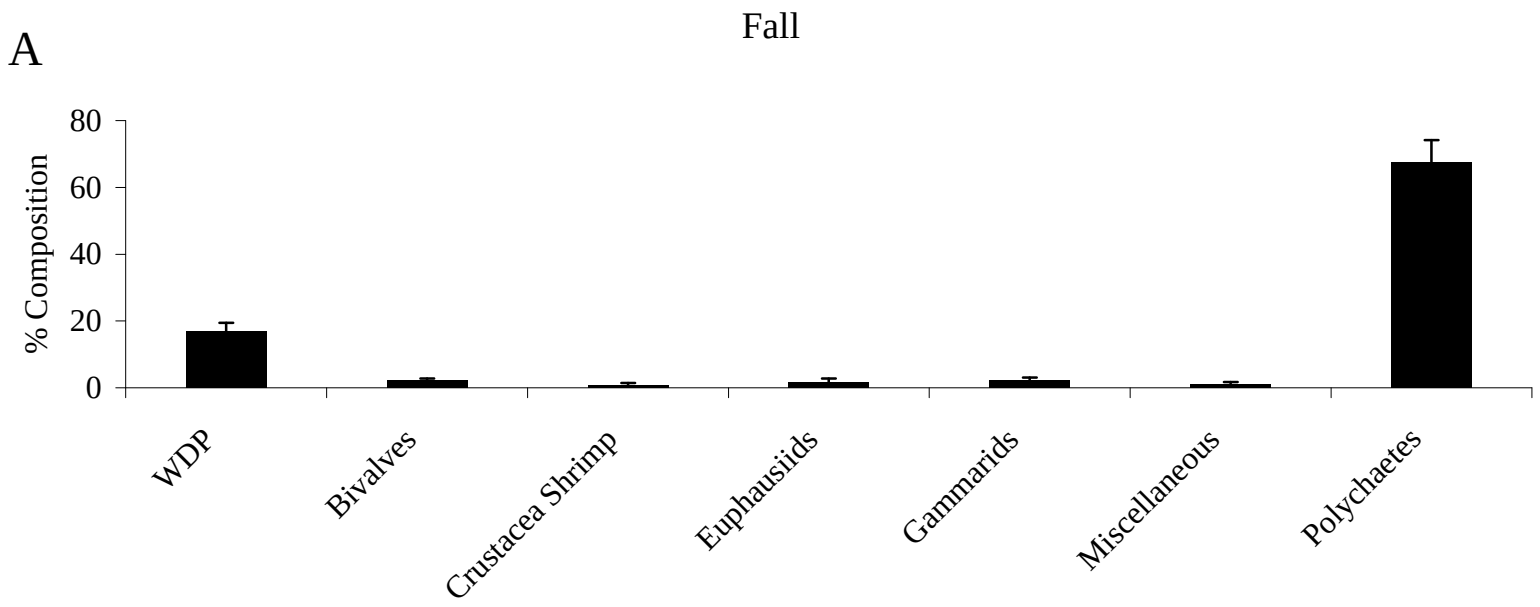

Figure 201A. Percent diet composition by weight of major prey taxa for witch flounder (*Glyptocephalus cynoglossus*) collected in the fall (n = 1,628). WDP = well-digested prey.

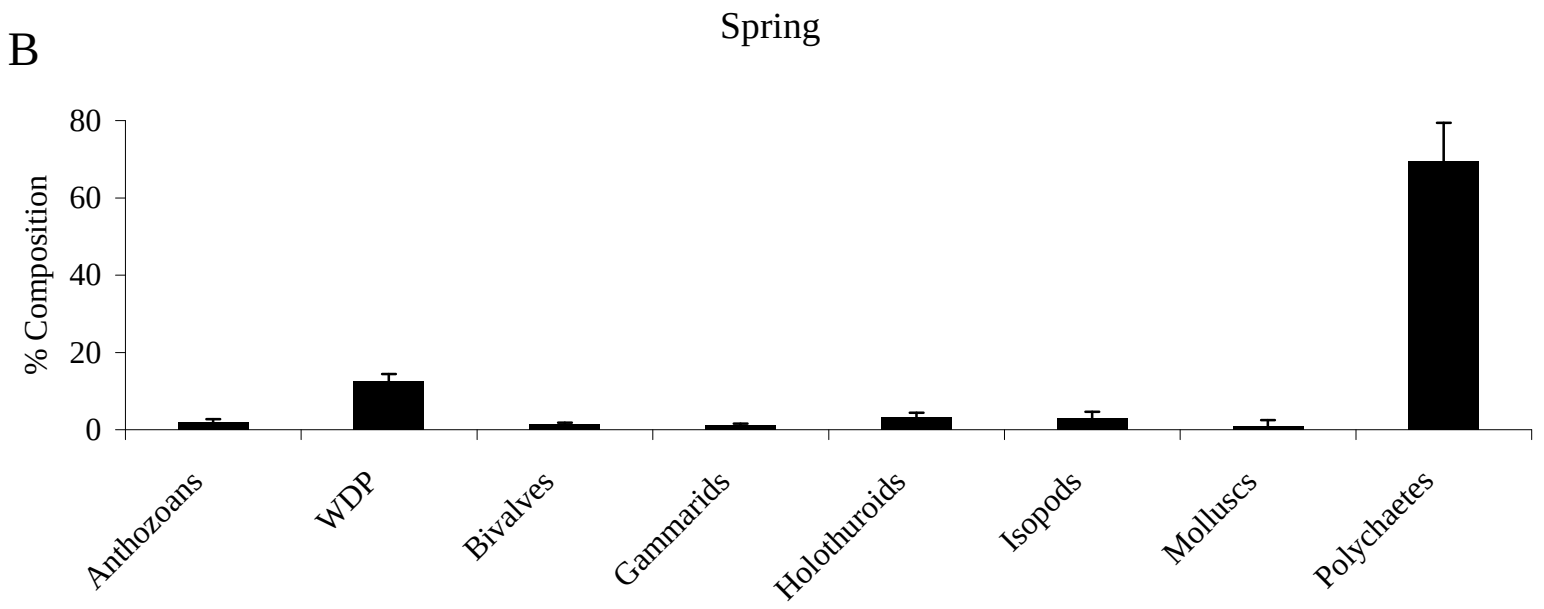

Figure 201B. Percent diet composition by weight of major prey taxa for witch flounder (*Glyptocephalus cynoglossus*) collected in the spring (n = 2,126). WDP = well-digested prey.

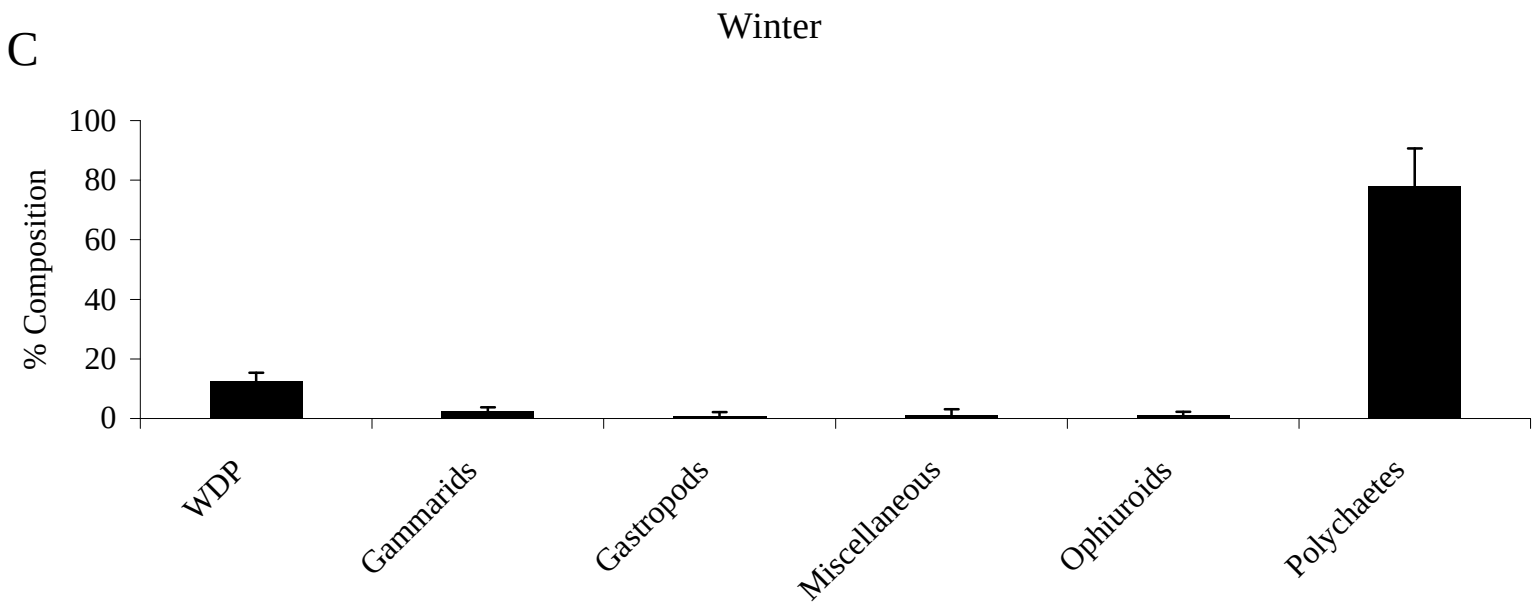

Figure 201C. Percent diet composition by weight of major prey taxa for witch flounder (*Glyptocephalus cynoglossus*) collected in the winter (n = 1,077). WDP = well-digested prey.

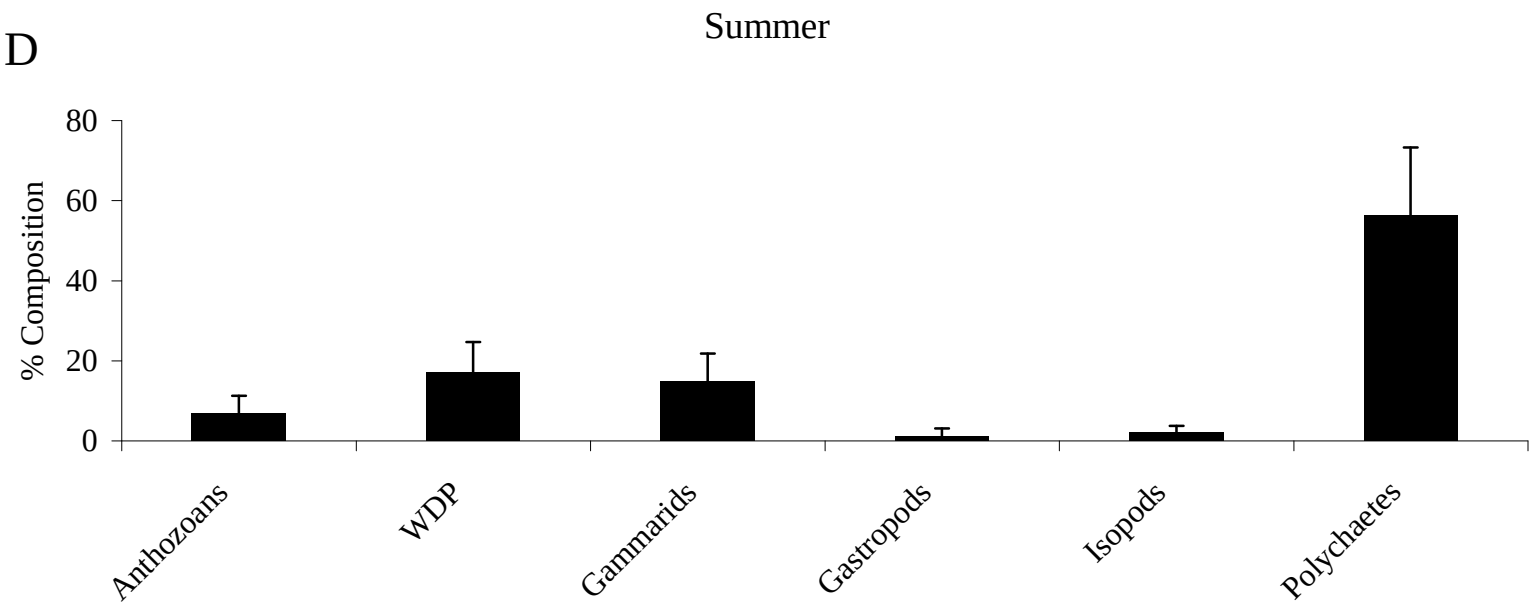

Figure 201D. Percent diet composition by weight of major prey taxa for witch flounder (*Glyptocephalus cynoglossus*) collected in the summer (n = 200). WDP = well-digested prey.

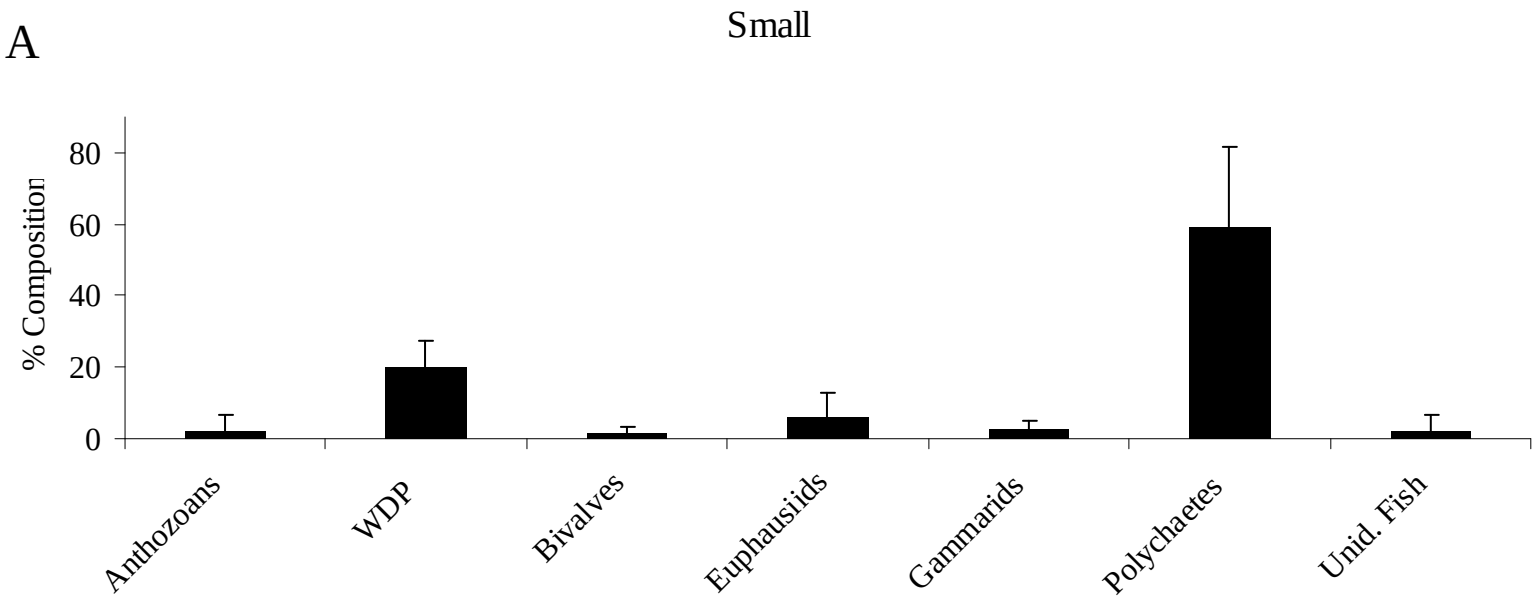

Figure 202A. Percent diet composition by weight of major prey taxa for witch flounder (*Glyptocephalus cynoglossus*) in the small size class (n = 274). WDP = well-digested prey; Unid. Fish = unidentified fish.

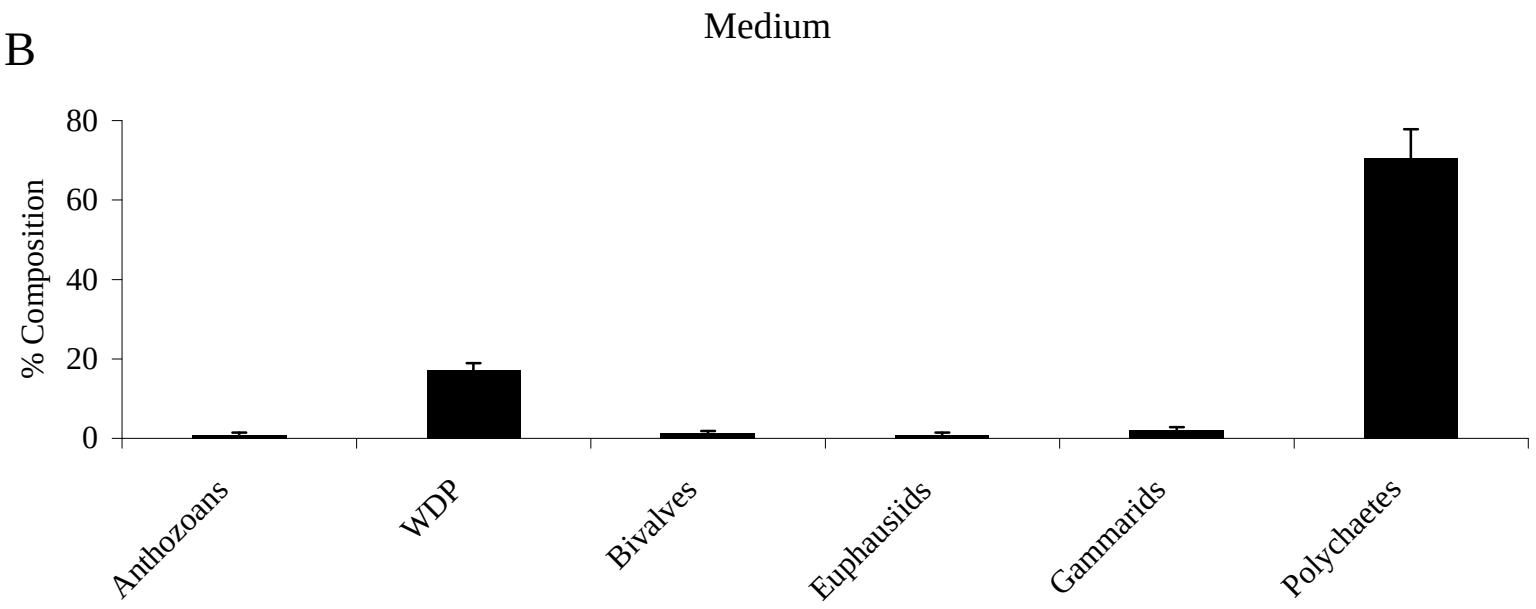

Figure 202B. Percent diet composition by weight of major prey taxa for witch flounder (*Glyptocephalus cynoglossus*) in the medium size class (n = 3,377). WDP = well-digested prey.

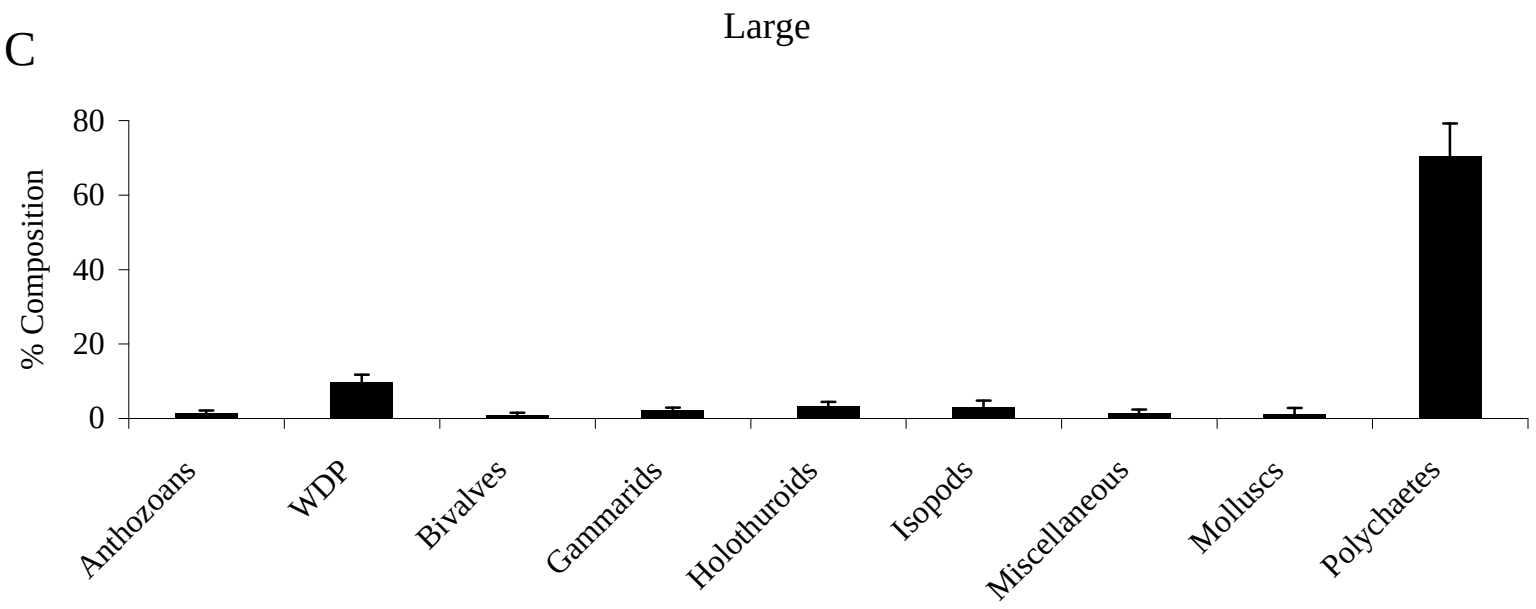

Figure 202C. Percent diet composition by weight of major prey taxa for witch flounder (*Glyptocephalus cynoglossus*) in the large size class (n = 1,380). WDP = well-digested prey.

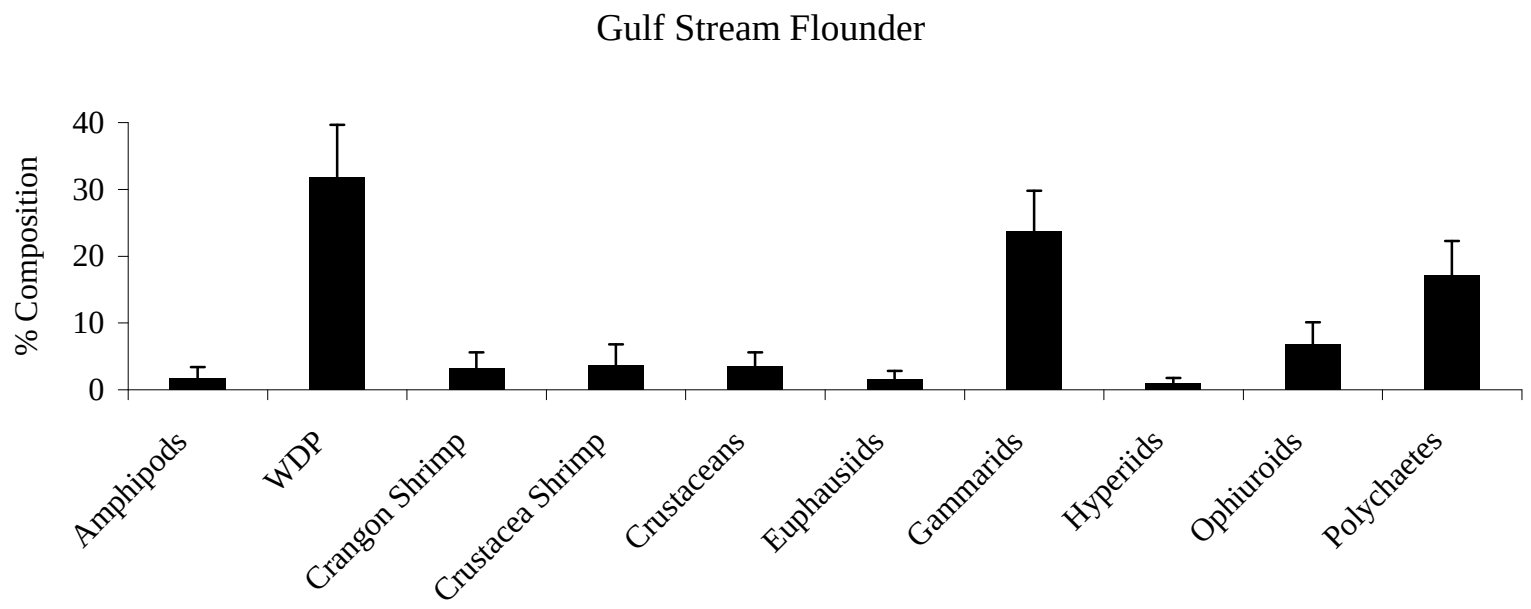

Figure 203. Percent diet composition by weight of major prey taxa for Gulf Stream flounder (*Citharichthys arctifrons*; n = 996). WDP = well-digested prey.

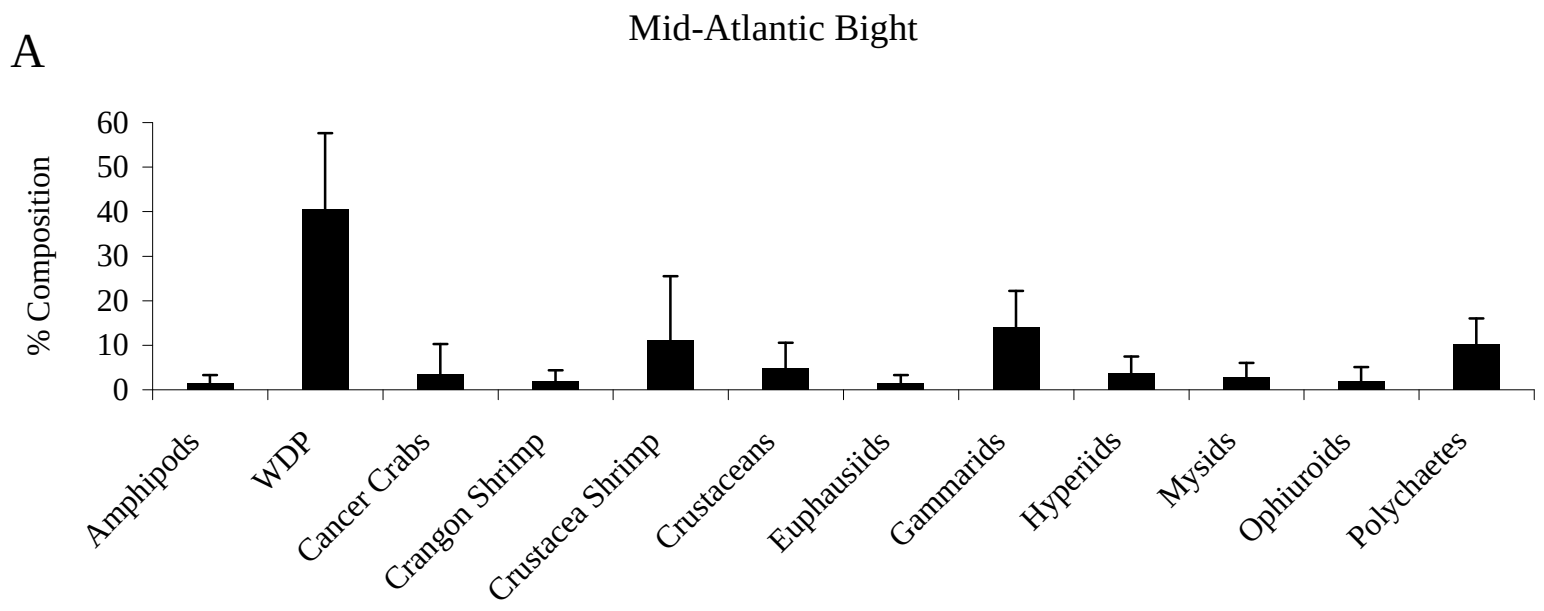

Figure 204A. Percent diet composition by weight of major prey taxa for Gulf Stream flounder (*Citharichthys arctifrons*) collected in the Mid-Atlantic Bight (n = 269). WDP = well-digested prey.

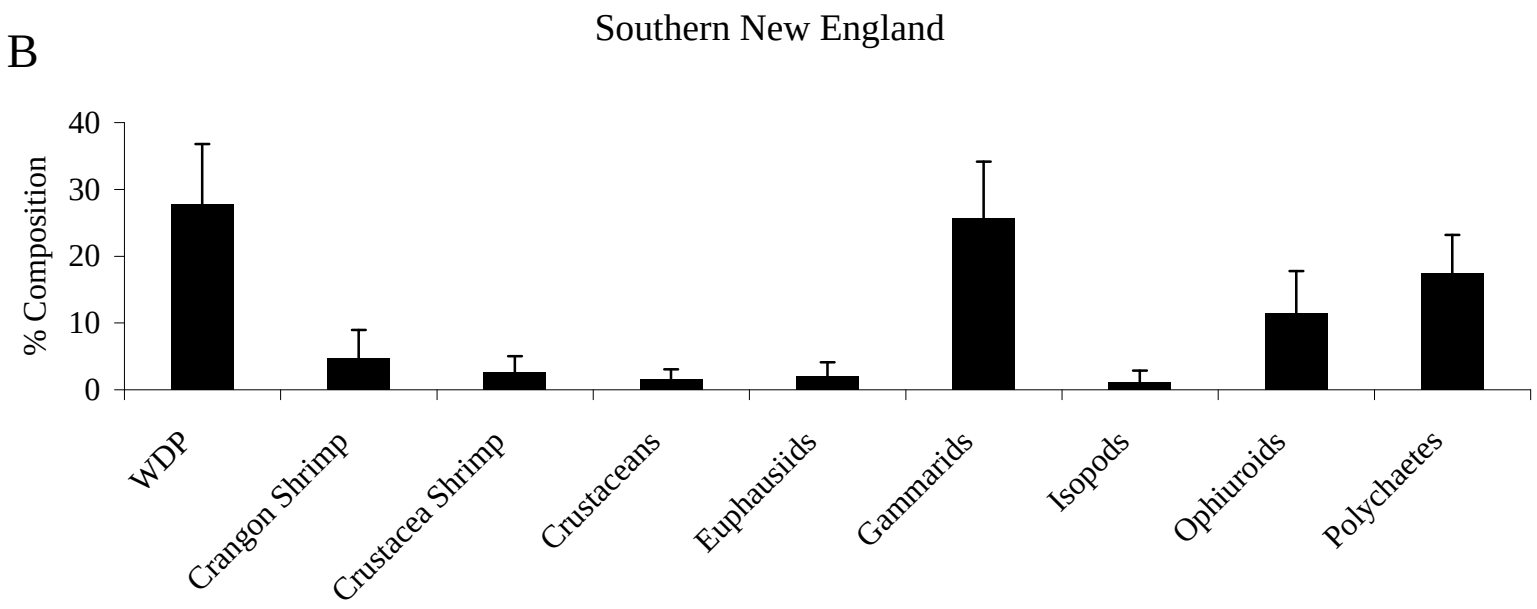

Figure 204B. Percent diet composition by weight of major prey taxa for Gulf Stream flounder (*Citharichthys arctifrons*) collected in Southern New England (n = 543). WDP = well-digested prey.

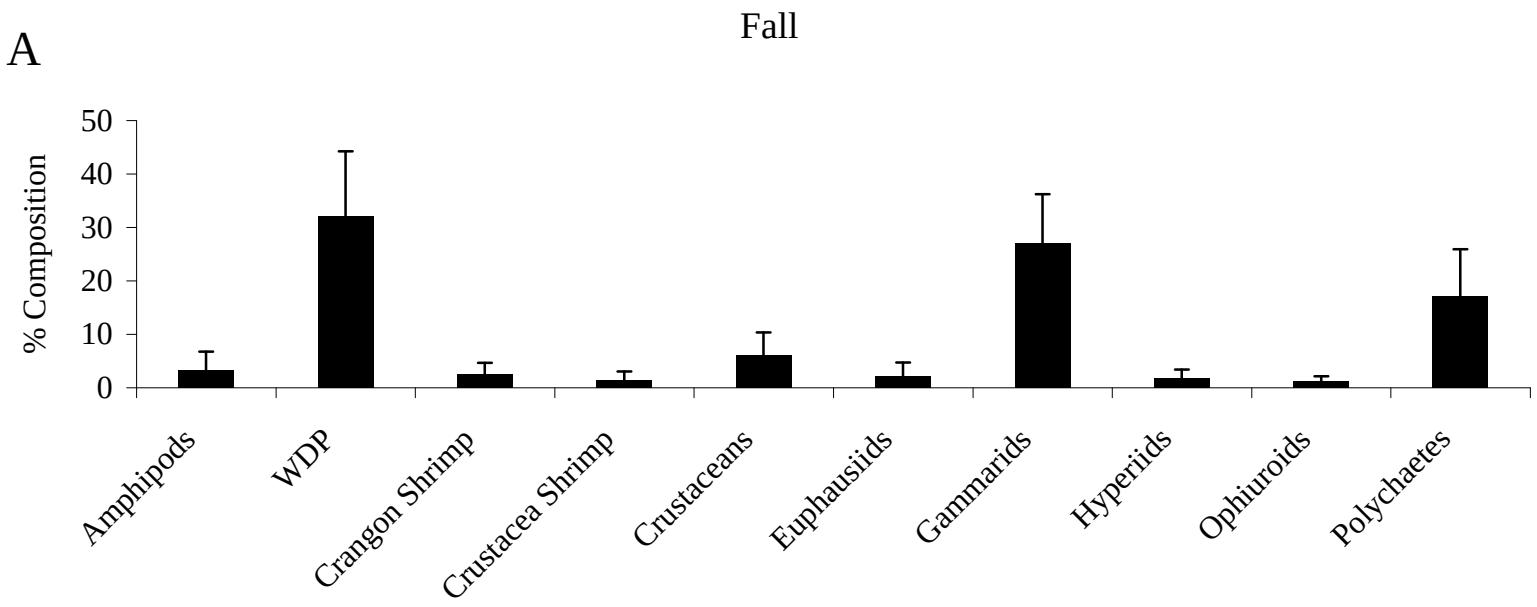

Figure 205A. Percent diet composition by weight of major prey taxa for Gulf Stream flounder (*Citharichthys arctifrons*) collected in the fall (n = 450). WDP = well-digested prey.

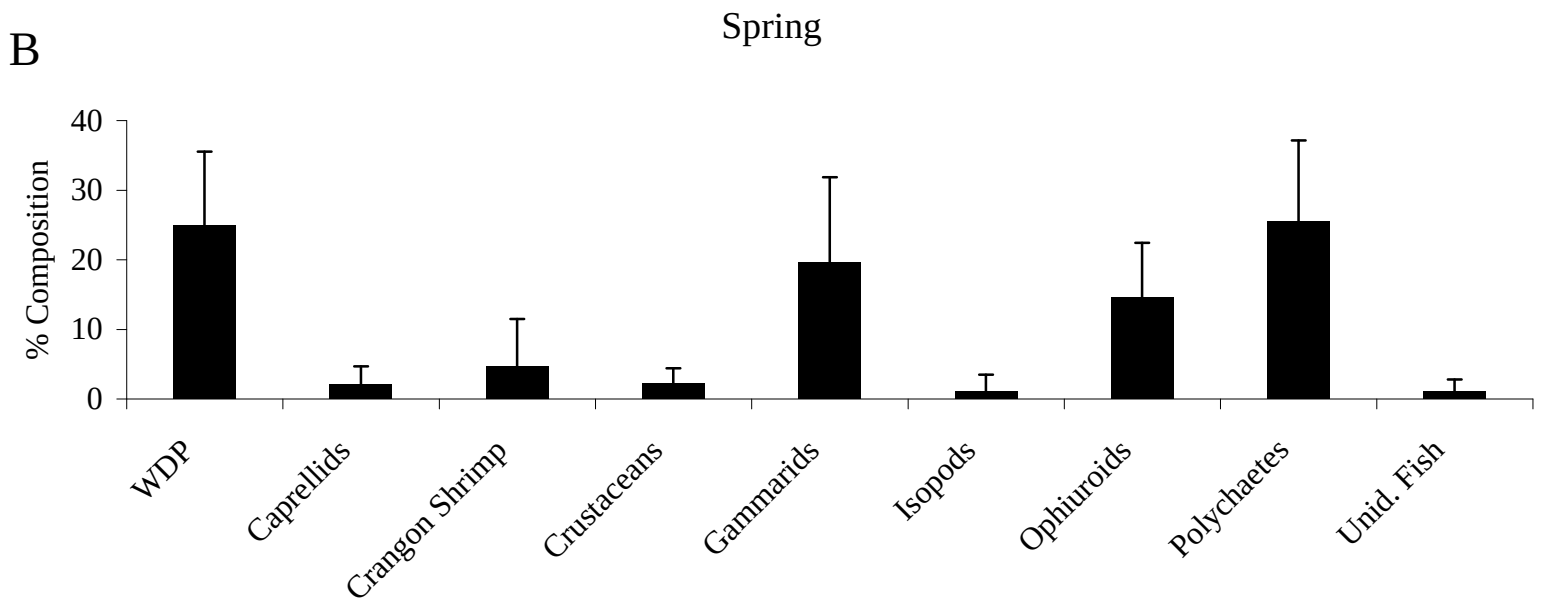

Figure 205B. Percent diet composition by weight of major prey taxa for Gulf Stream flounder (*Citharichthys arctifrons*) collected in the spring (n = 265). WDP = well-digested prey; Unid. Fish = unidentified fish.

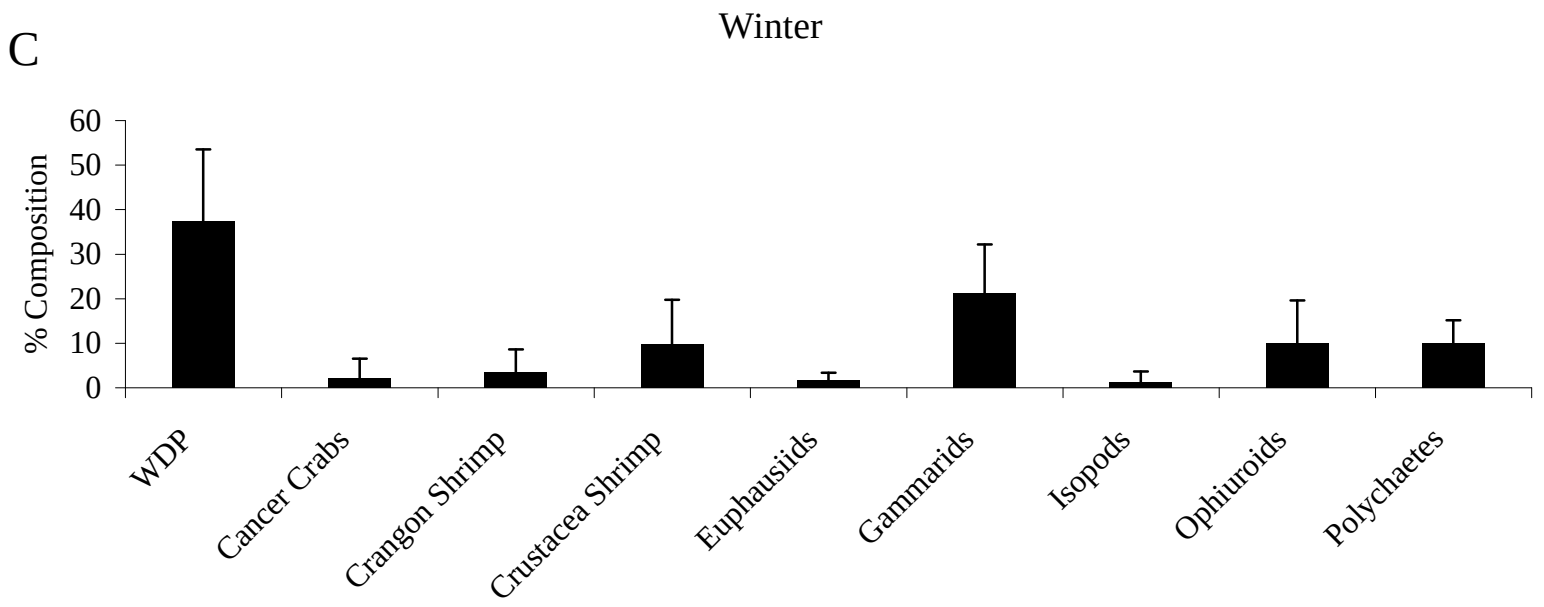

Figure 205C. Percent diet composition by weight of major prey taxa for Gulf Stream flounder (*Citharichthys arctifrons*) collected in the winter (n = 232). WDP = well-digested prey.

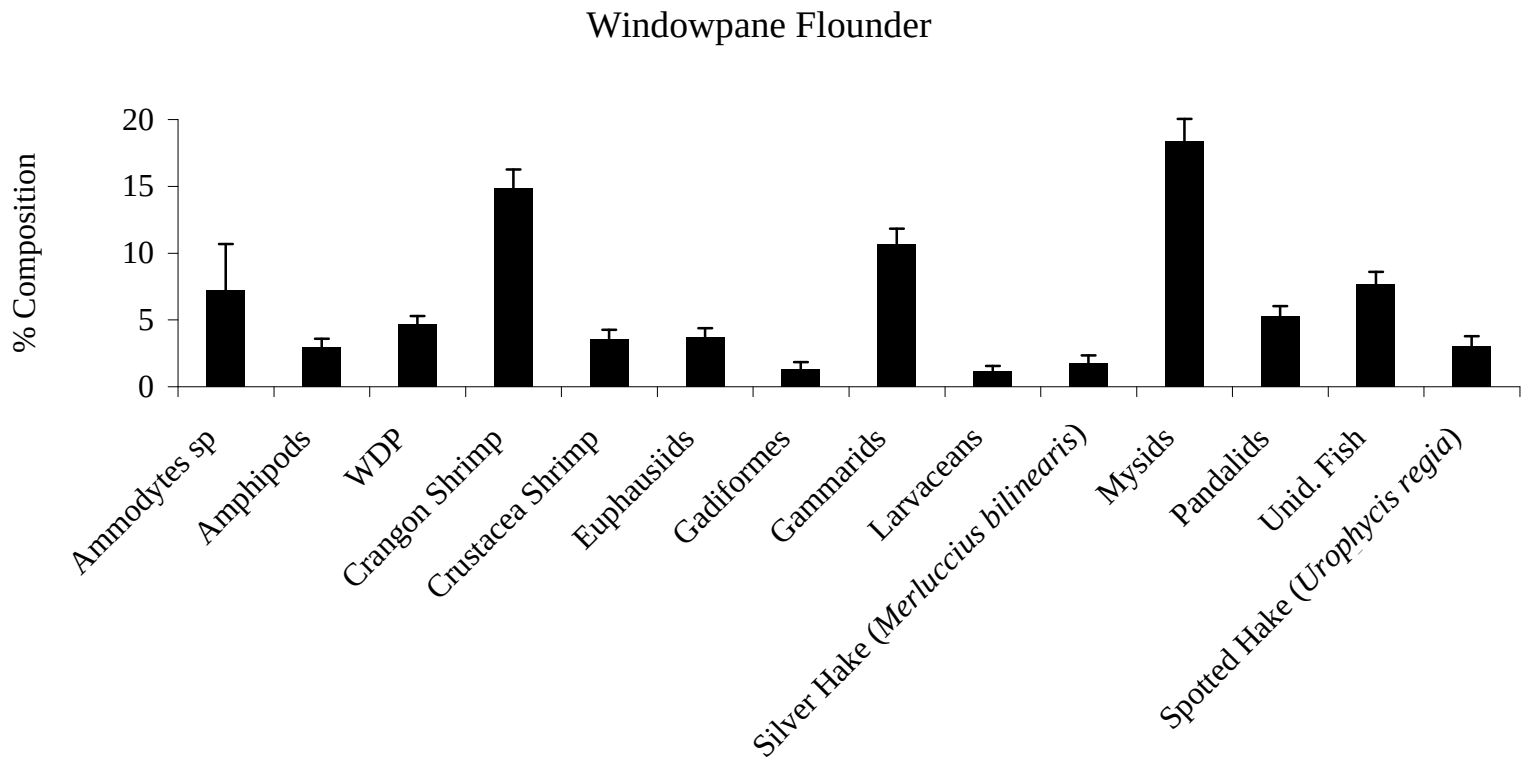

Figure 206. Percent diet composition by weight of major prey taxa for windowpane flounder (*Scophthalmus aquosus*; n = 14,599). WDP = well-digested prey; Unid. Fish = unidentified fish.

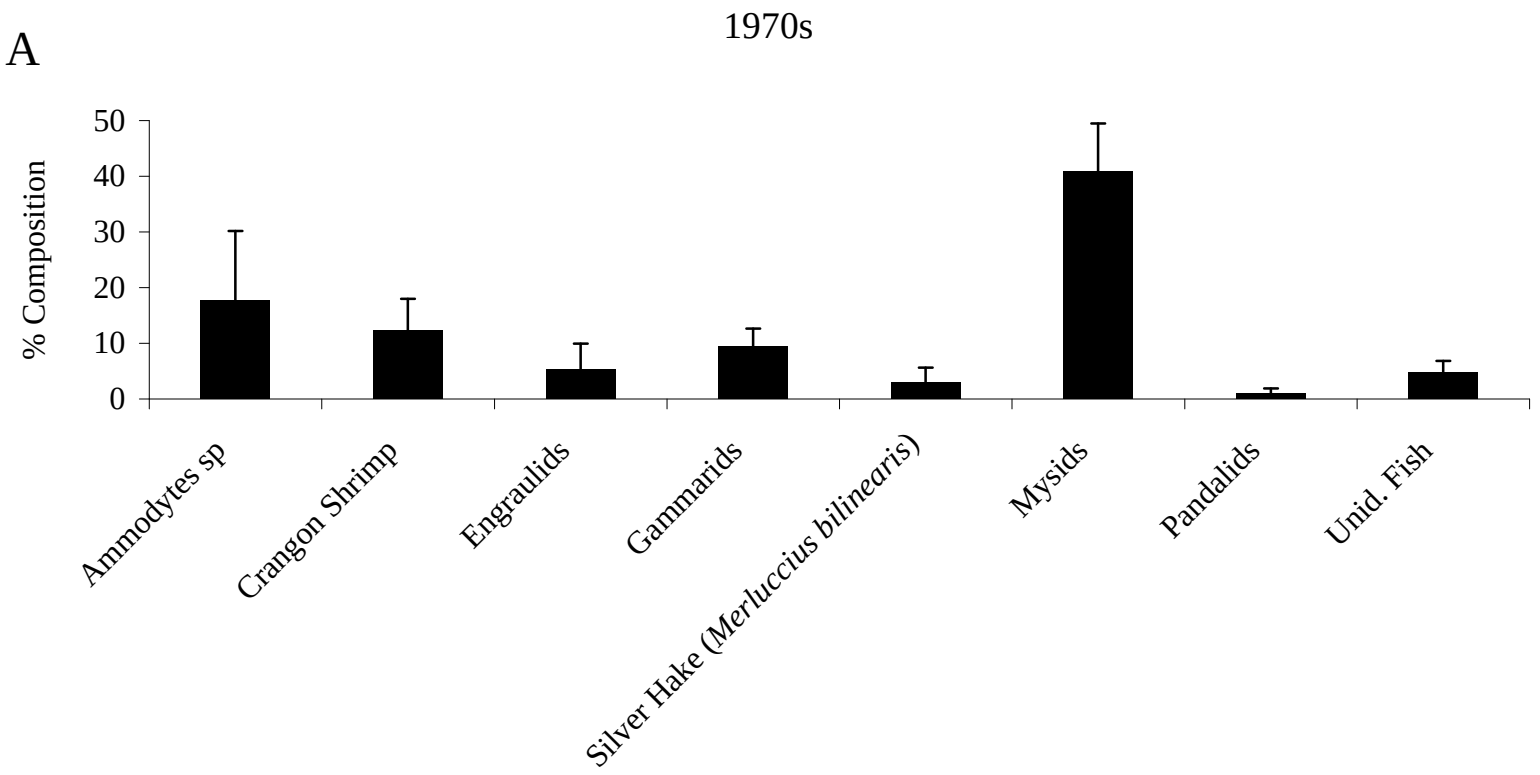

Figure 207A. Percent diet composition by weight of major prey taxa for windowpane flounder (*Scophthalmus aquosus*) collected in the 1970s (n = 830). Unid. Fish = unidentified fish.

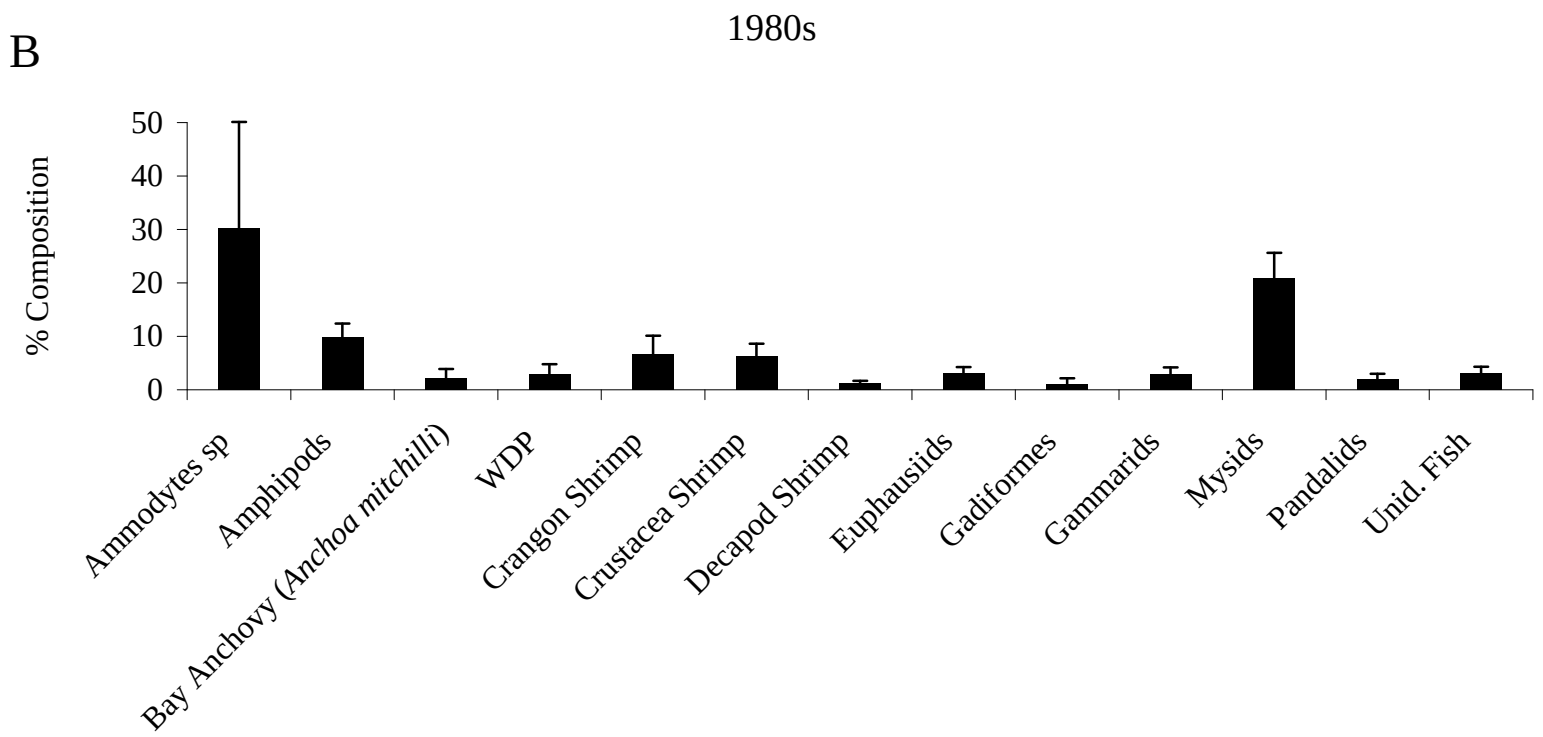

Figure 207B. Percent diet composition by weight of major prey taxa for windowpane flounder (*Scophthalmus aquosus*) collected in the 1980s (n = 1,745). WDP = well-digested prey; Unid. Fish = unidentified fish.

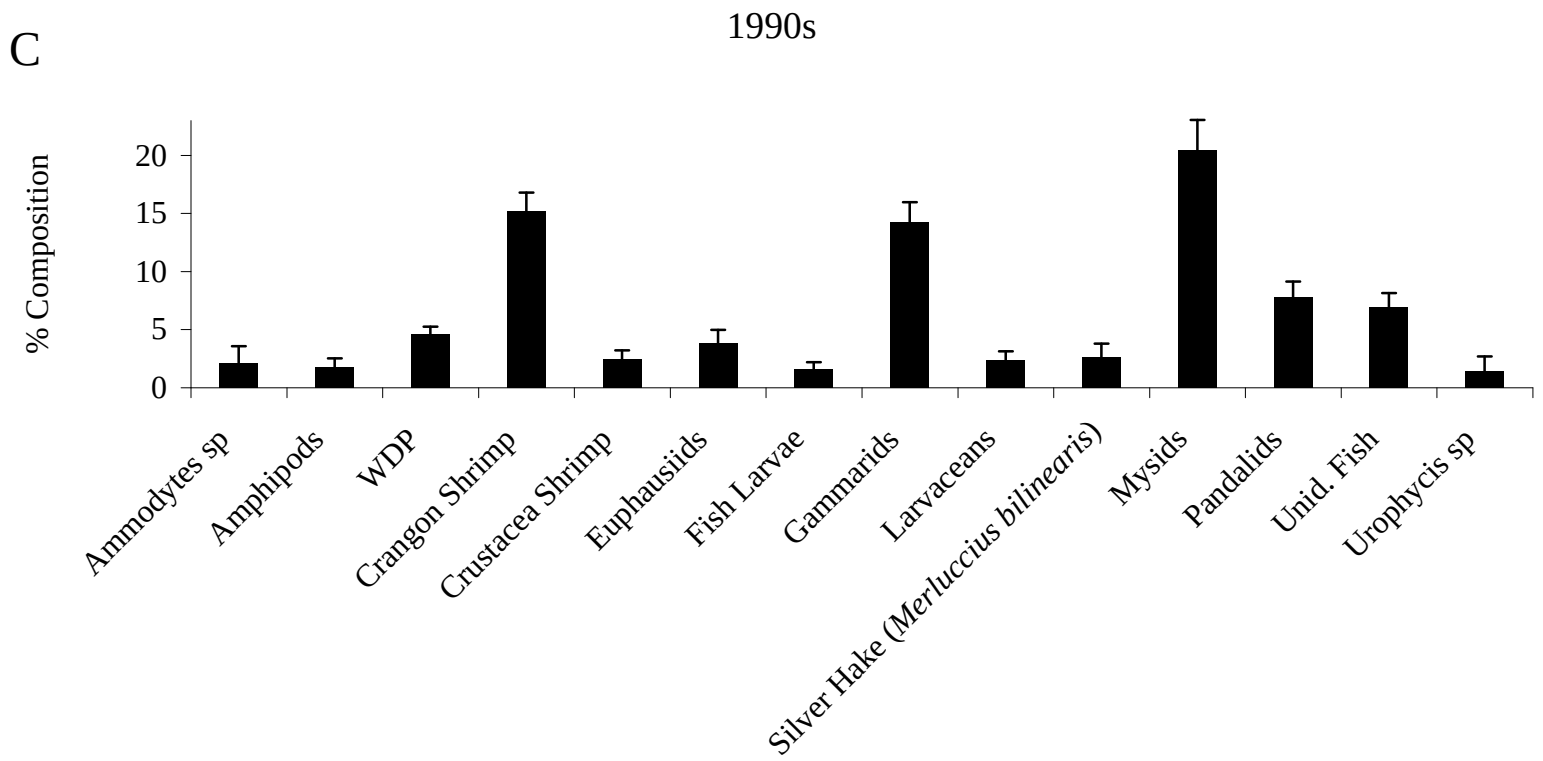

Figure 207C. Percent diet composition by weight of major prey taxa for windowpane flounder (*Scophthalmus aquosus*) collected in the 1990s (n = 7,556). WDP = well-digested prey; Unid. Fish = unidentified fish.

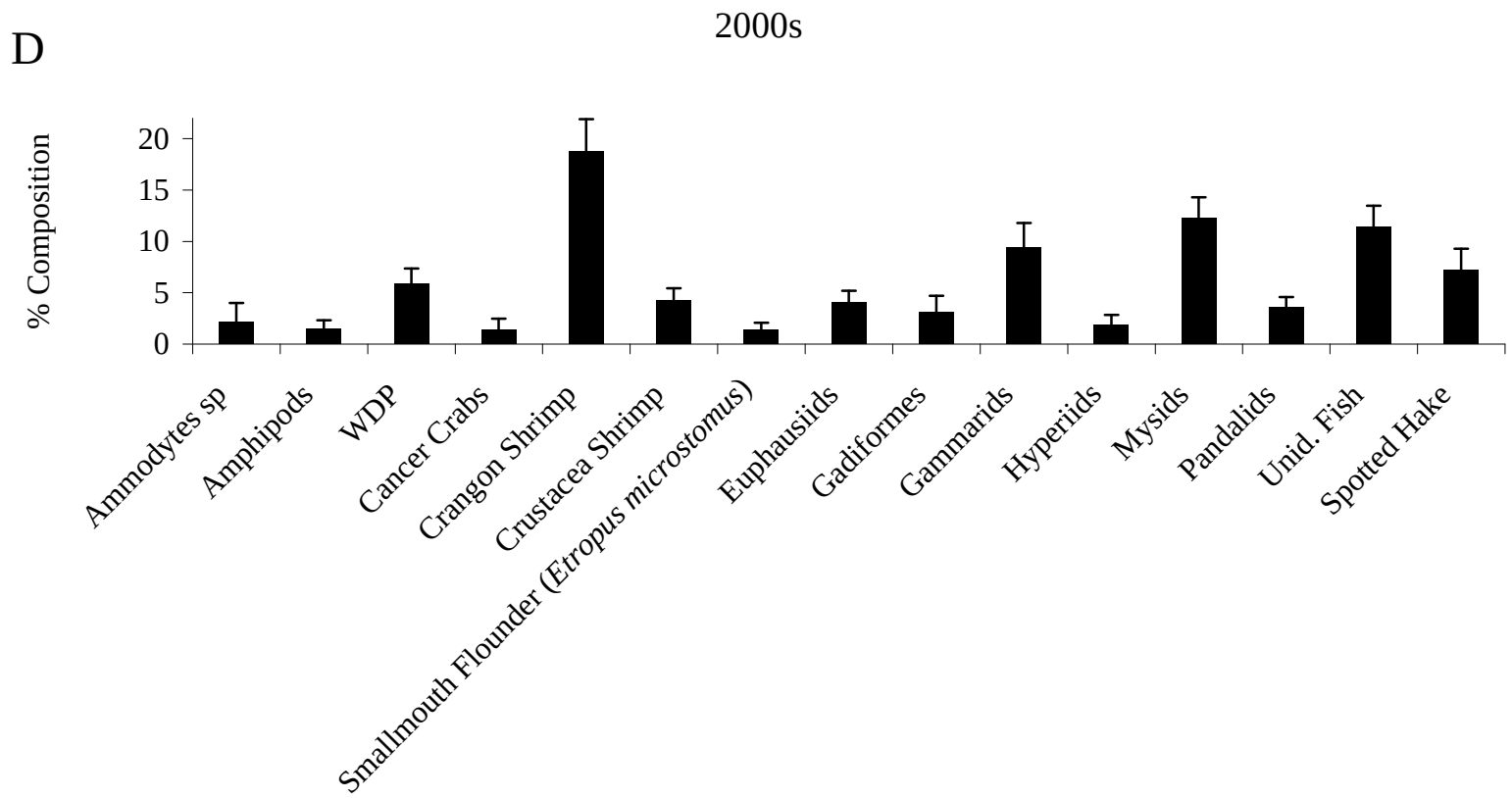

Figure 207D. Percent diet composition by weight of major prey taxa for windowpane flounder (*Scophthalmus aquosus*) collected in the 2000s (n = 4,468). WDP = well-digested prey; Unid. Fish = unidentified fish.

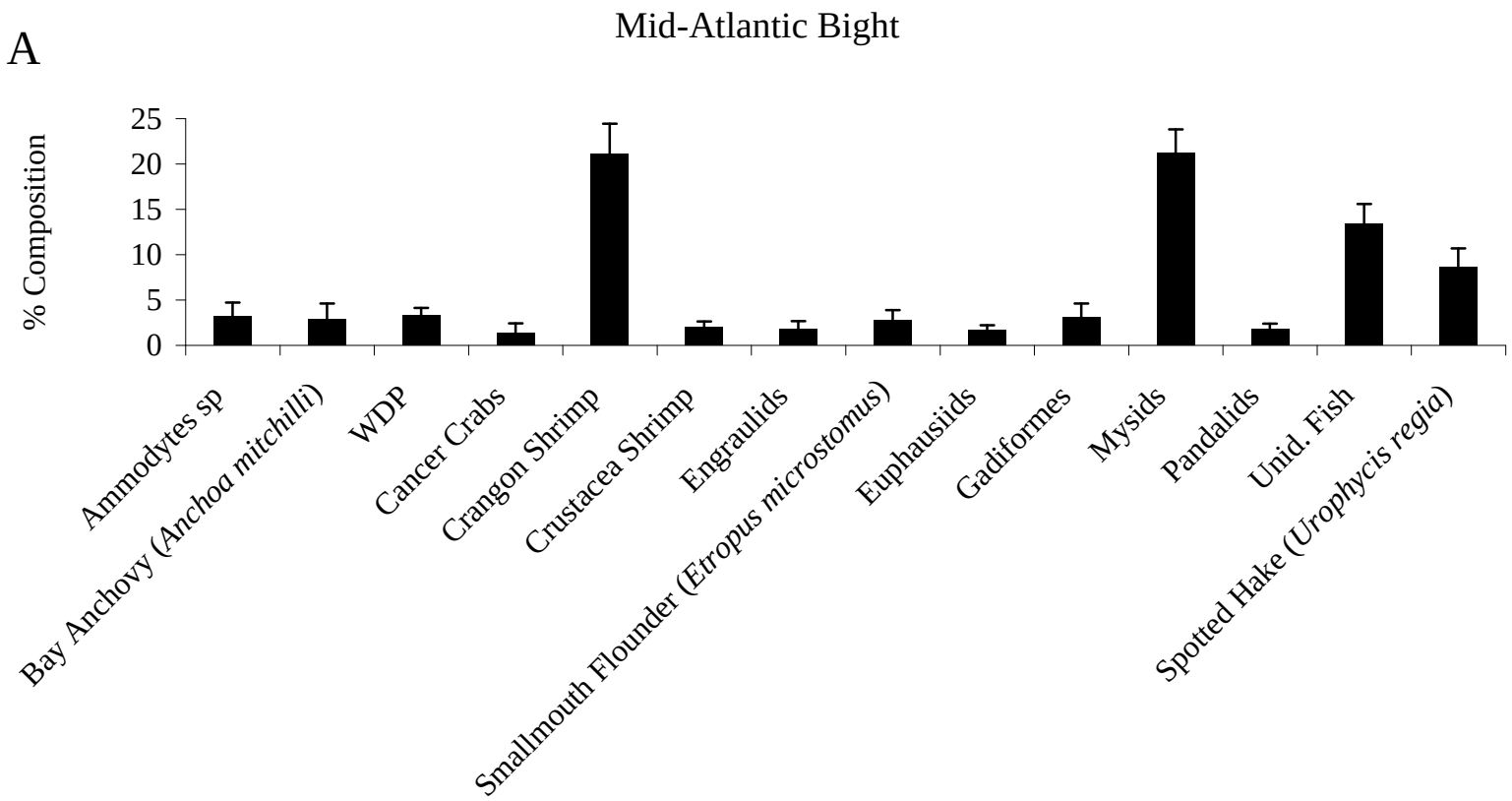

Figure 208A. Percent diet composition by weight of major prey taxa for windowpane flounder (*Scophthalmus aquosus*) collected in the Mid-Atlantic Bight (n = 4,814). WDP = well-digested prey; Unid. Fish = unidentified fish.

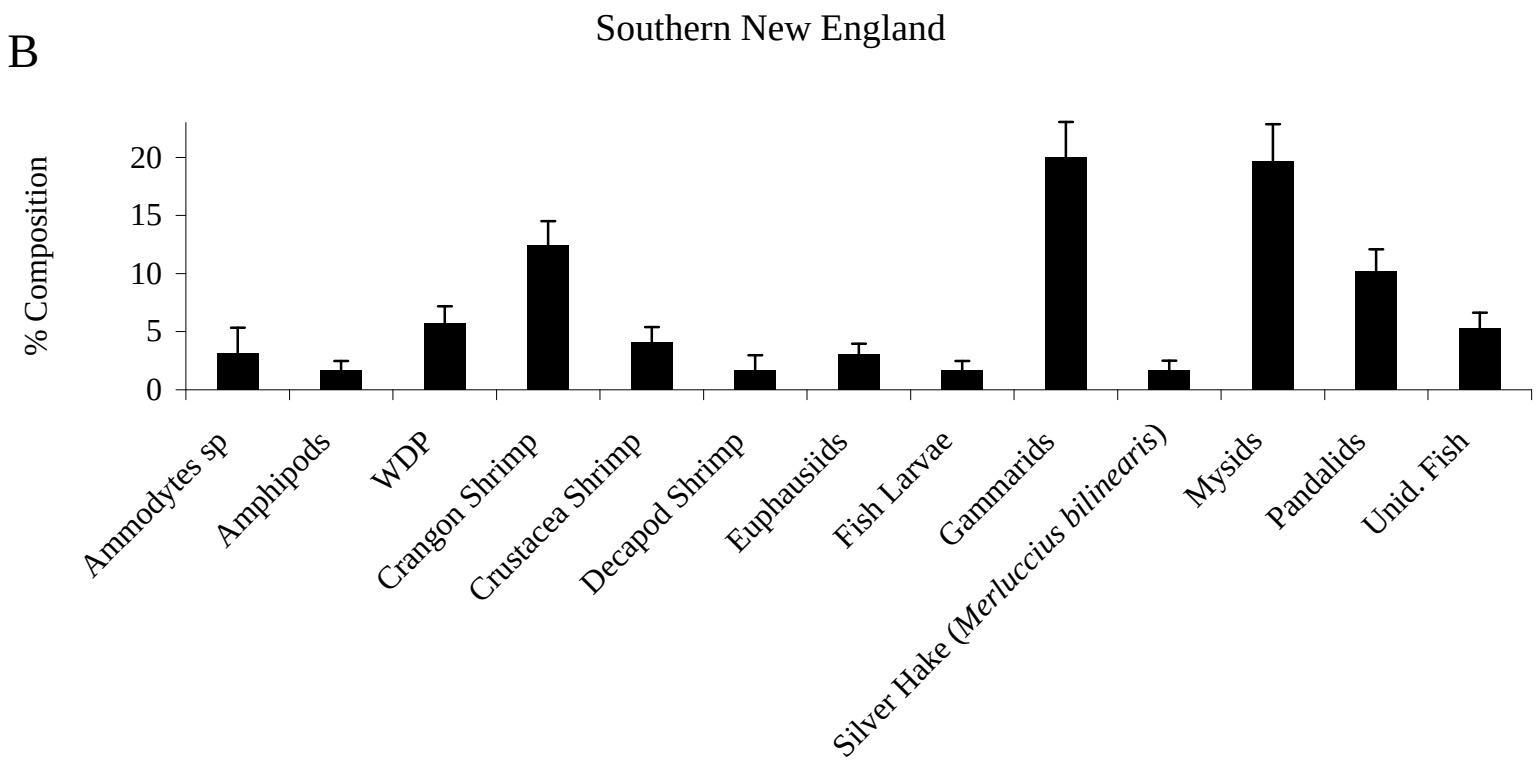

Figure 208B. Percent diet composition by weight of major prey taxa for windowpane flounder (*Scophthalmus aquosus*) collected in Southern New England (n = 4,820). WDP = well-digested prey; Unid. Fish = unidentified fish.

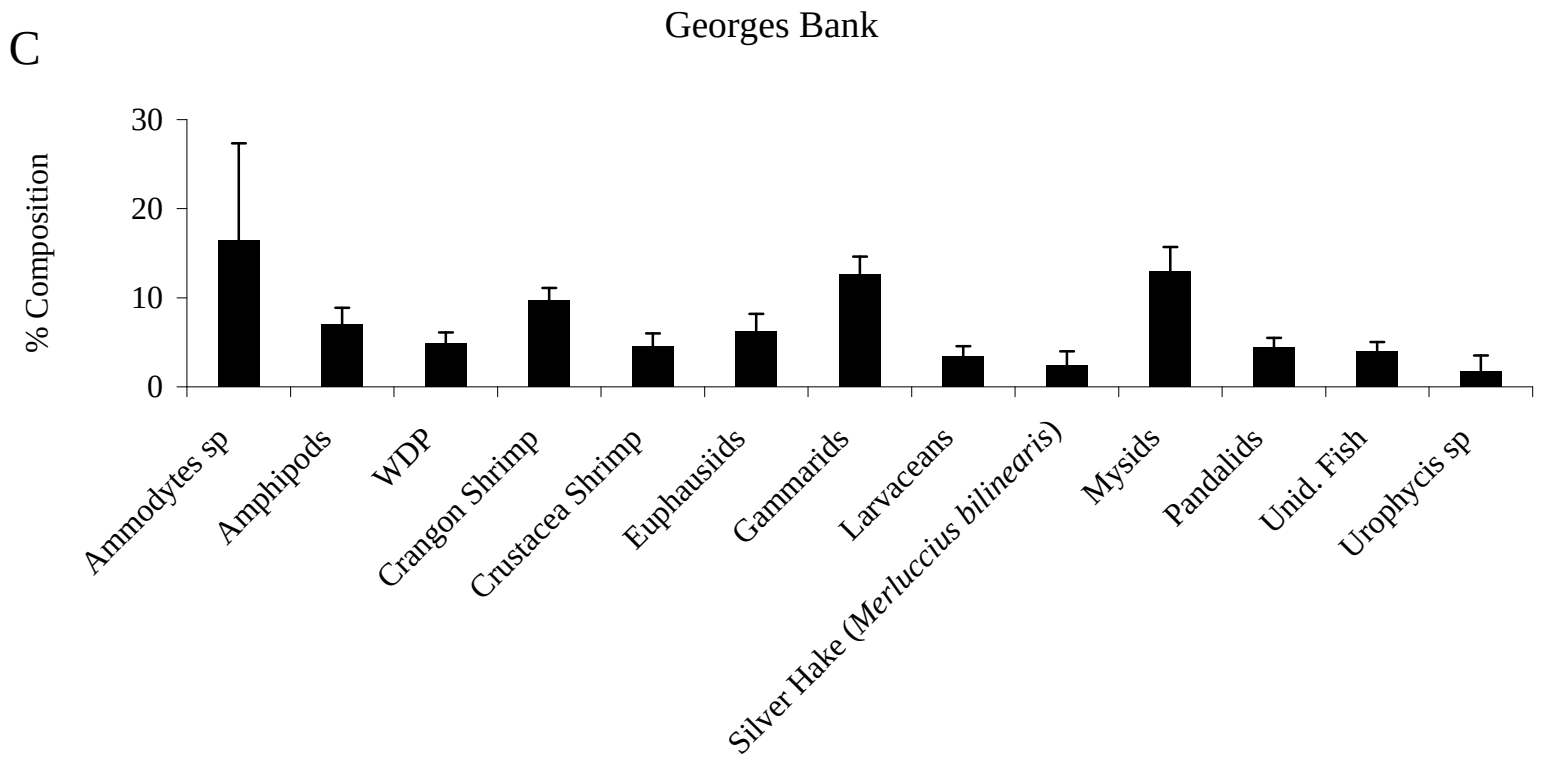

Figure 208C. Percent diet composition by weight of major prey taxa for windowpane flounder (*Scophthalmus aquosus*) collected on Georges Bank (n = 4,416). WDP = well-digested prey; Unid. Fish = unidentified fish.

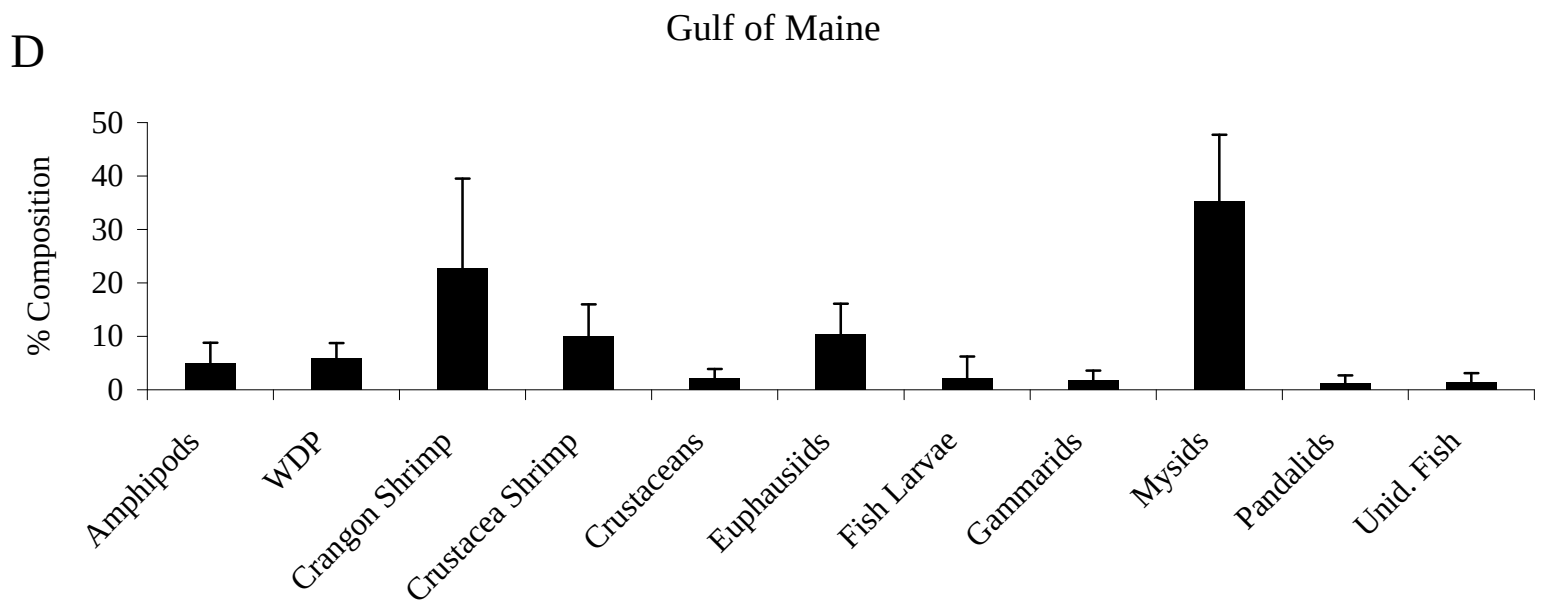

Figure 208D. Percent diet composition by weight of major prey taxa for windowpane flounder (*Scophthalmus aquosus*) collected in the Gulf of Maine (n = 533). WDP = well-digested prey; Unid. Fish = unidentified fish.

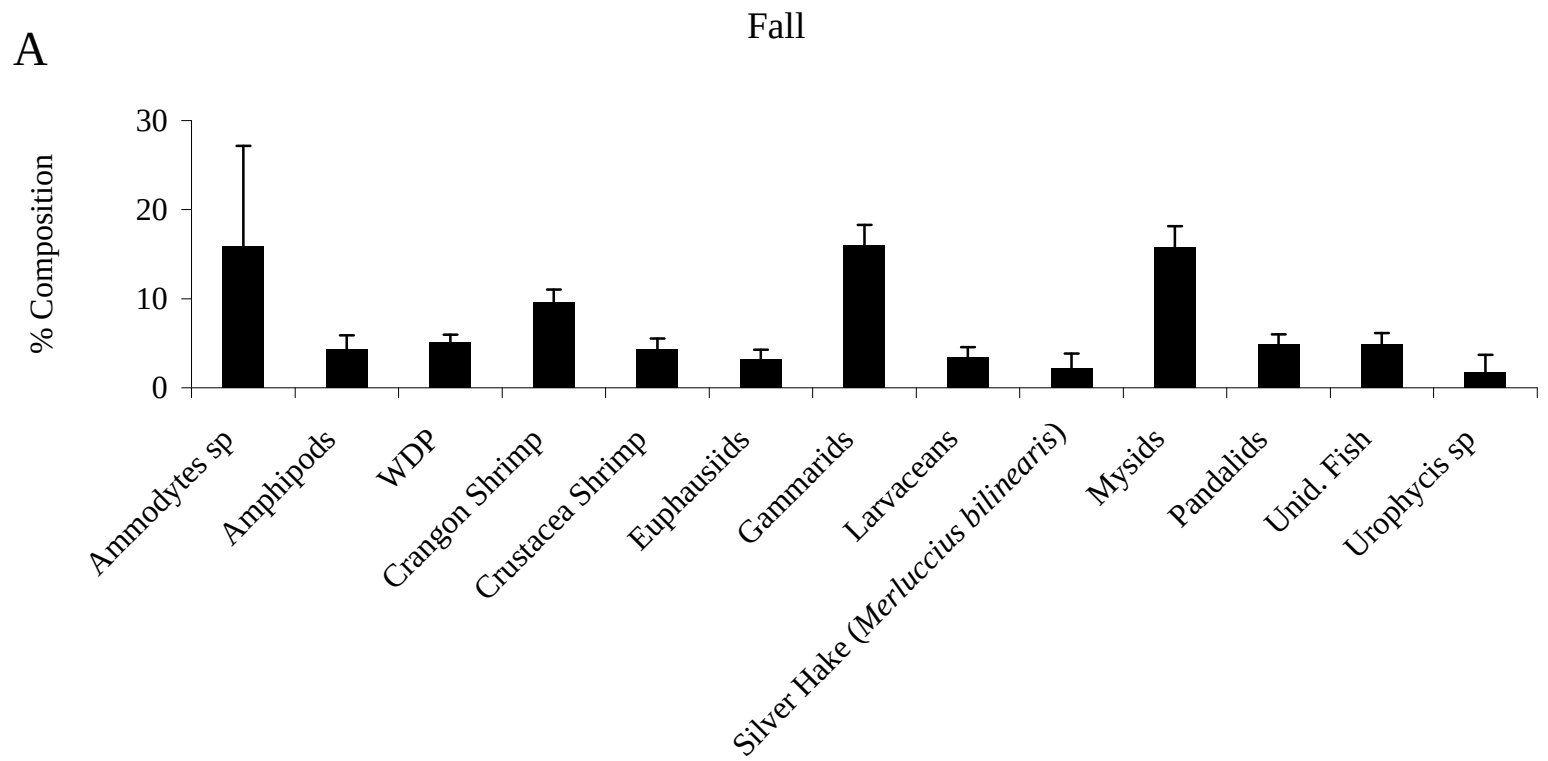

Figure 209A. Percent diet composition by weight of major prey taxa for windowpane flounder (*Scophthalmus aquosus*) collected in the fall (n = 5,244). WDP = well-digested prey; Unid. Fish = unidentified fish.

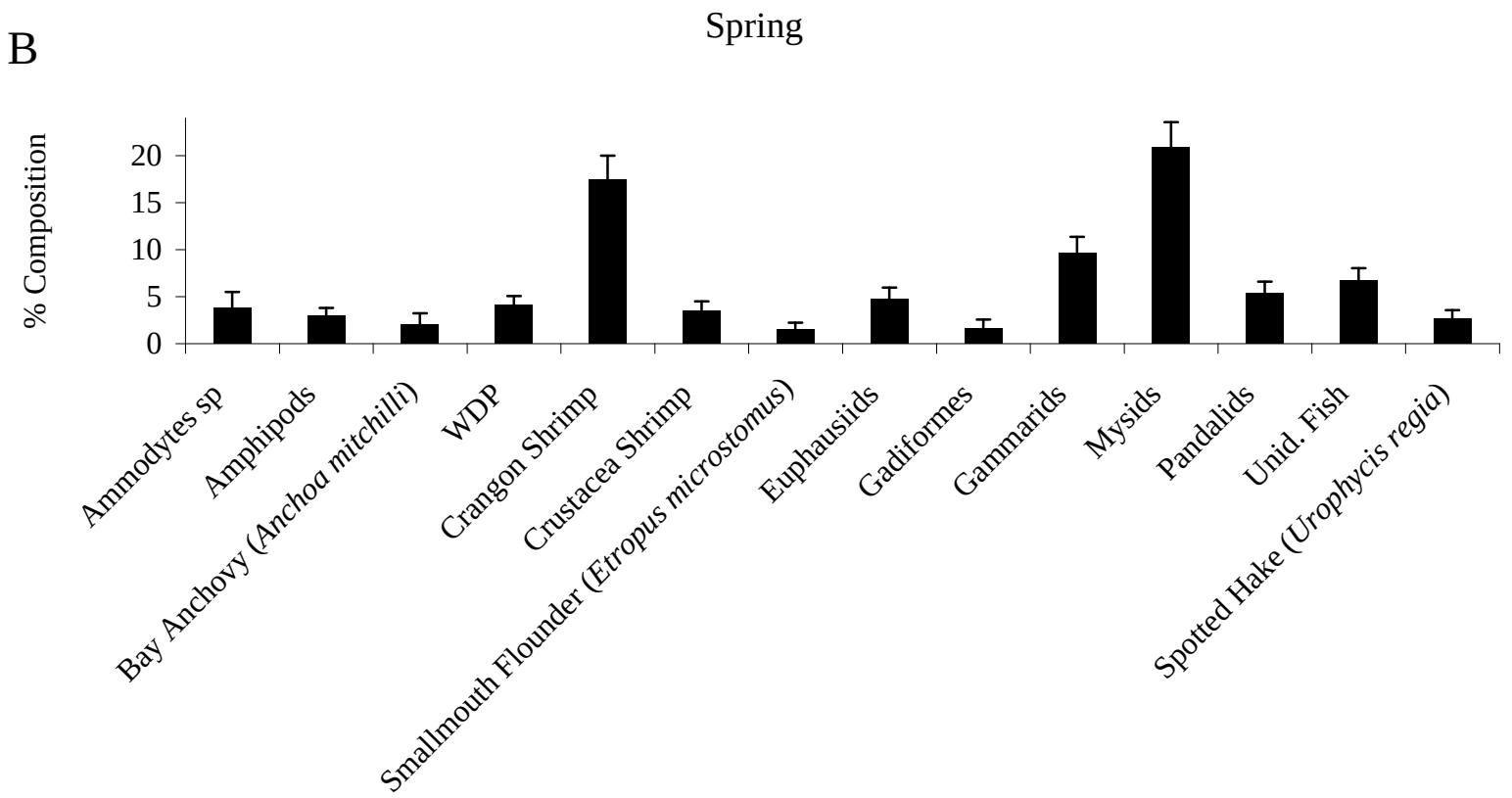

Figure 209B. Percent diet composition by weight of major prey taxa for windowpane flounder (*Scophthalmus aquosus*) collected in the spring (n = 5,361). WDP = well-digested prey; Unid. Fish = unidentified fish.

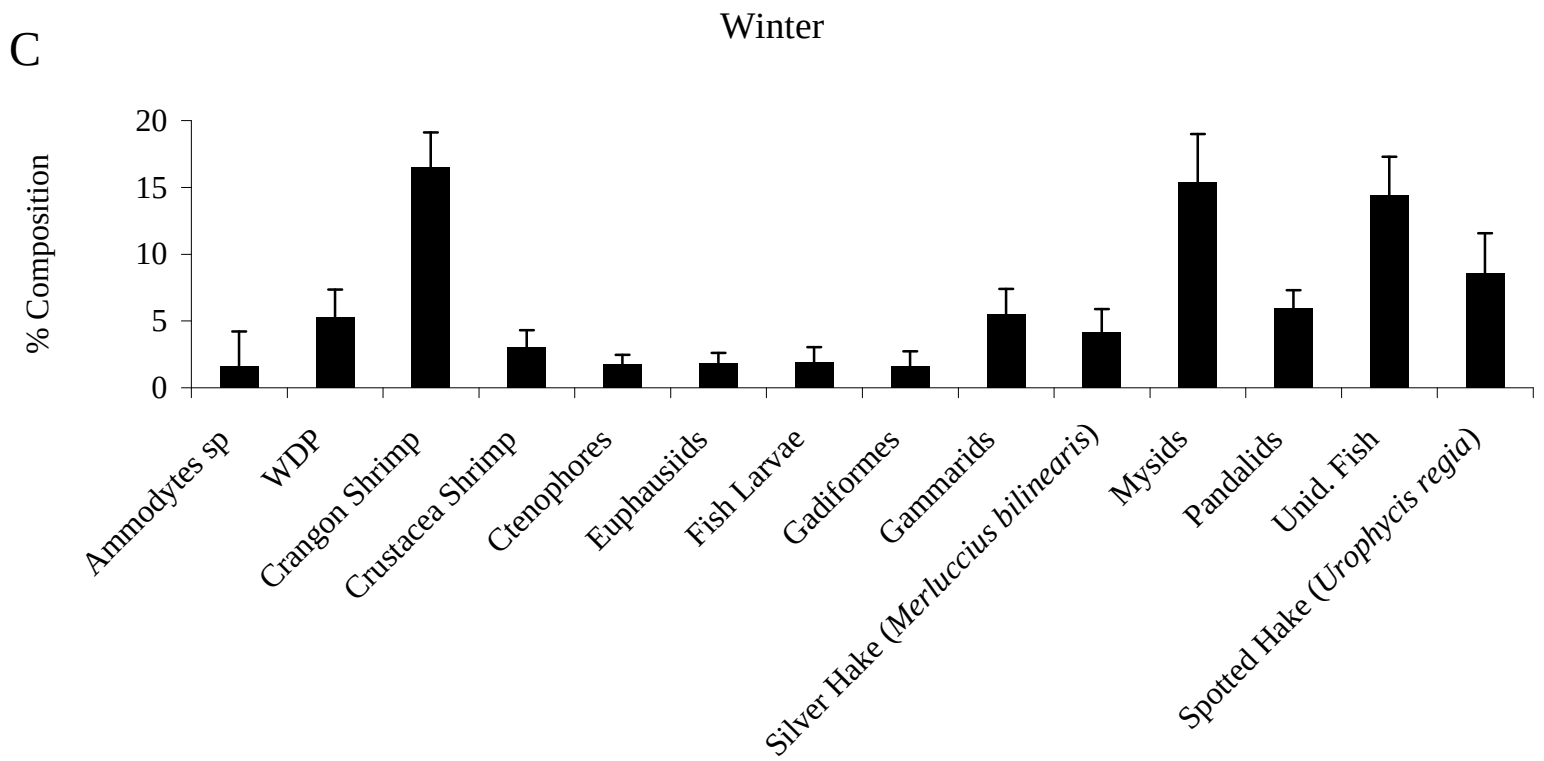

Figure 209C. Percent diet composition by weight of major prey taxa for windowpane flounder (*Scophthalmus aquosus*) collected in the winter (n = 3,635). WDP = well-digested prey; Unid. Fish = unidentified fish.

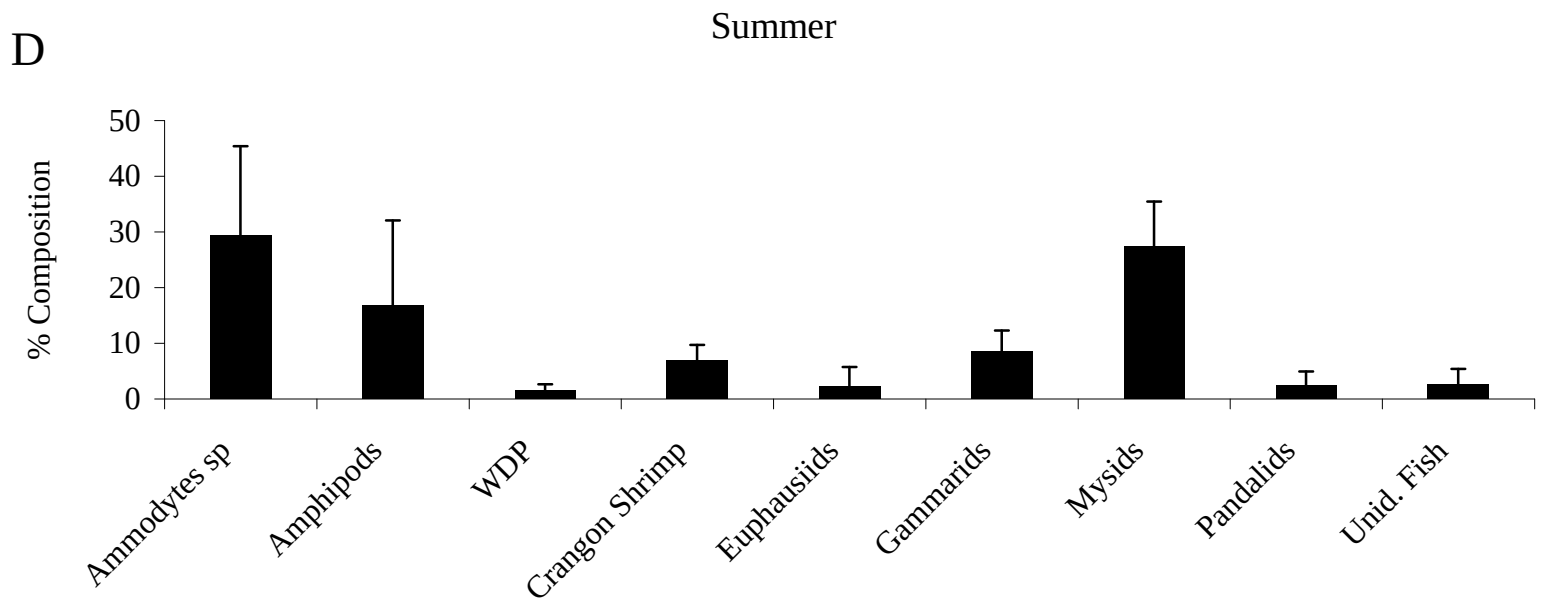

Figure 209D. Percent diet composition by weight of major prey taxa for windowpane flounder (*Scophthalmus aquosus*) collected in the summer (n = 359). WDP = well-digested prey; Unid. Fish = unidentified fish.

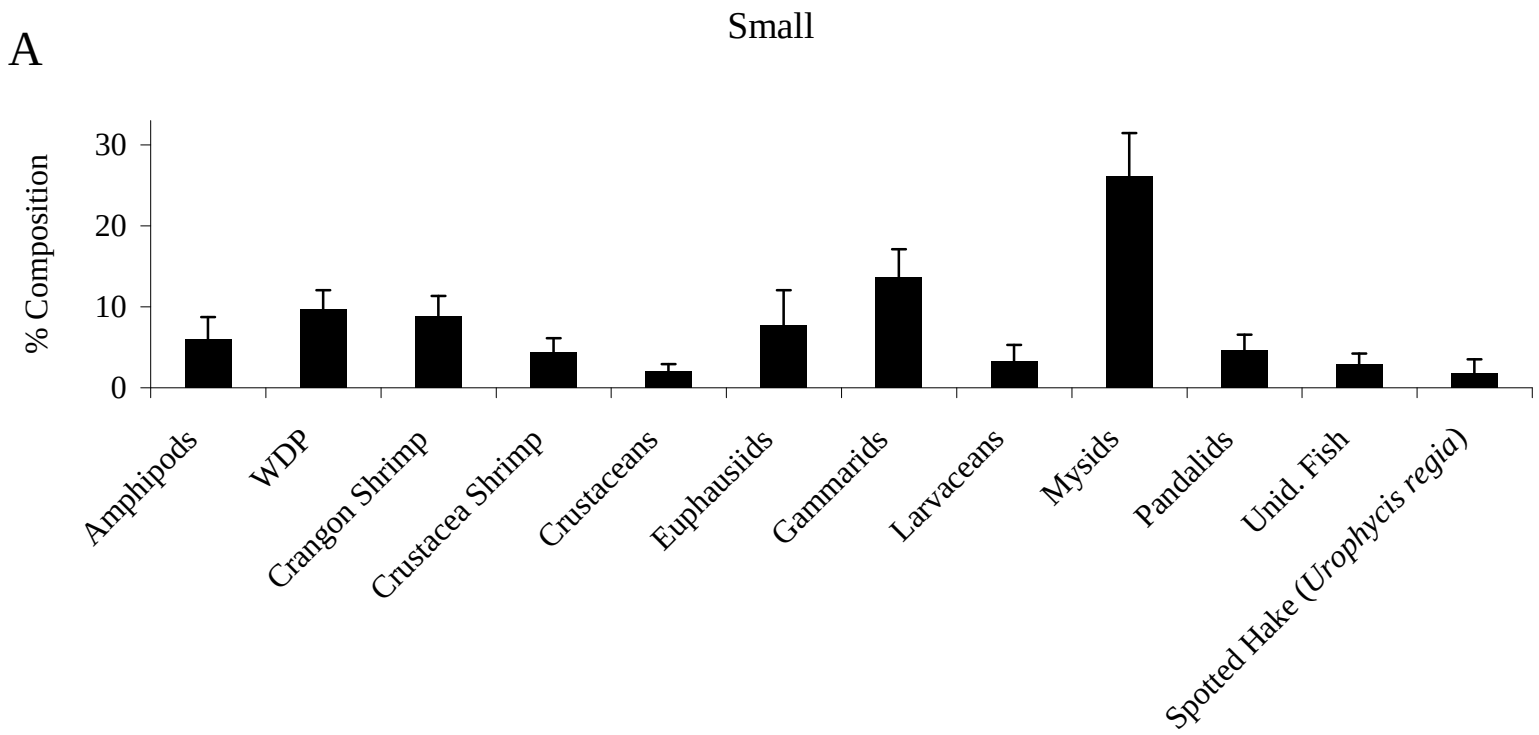

Figure 210A. Percent diet composition by weight of major prey taxa for windowpane flounder (*Scophthalmus aquosus*) in the small size class (n = 2,267). WDP = well-digested prey; Unid. Fish = unidentified fish.

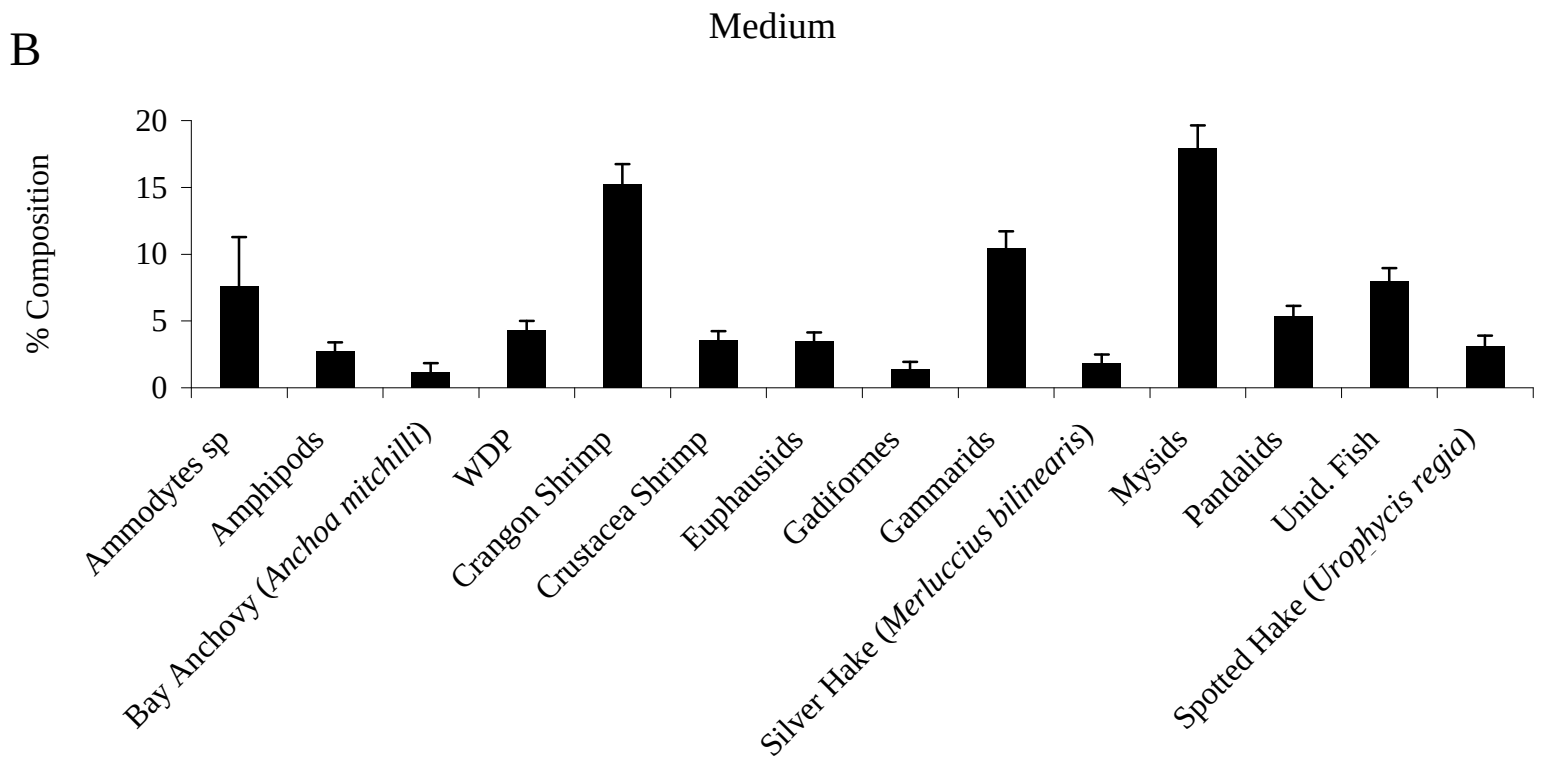

Figure 210B. Percent diet composition by weight of major prey taxa for windowpane flounder (*Scophthalmus aquosus*) in the medium size class (n = 12,320). WDP = well-digested prey; Unid. Fish = unidentified fish.

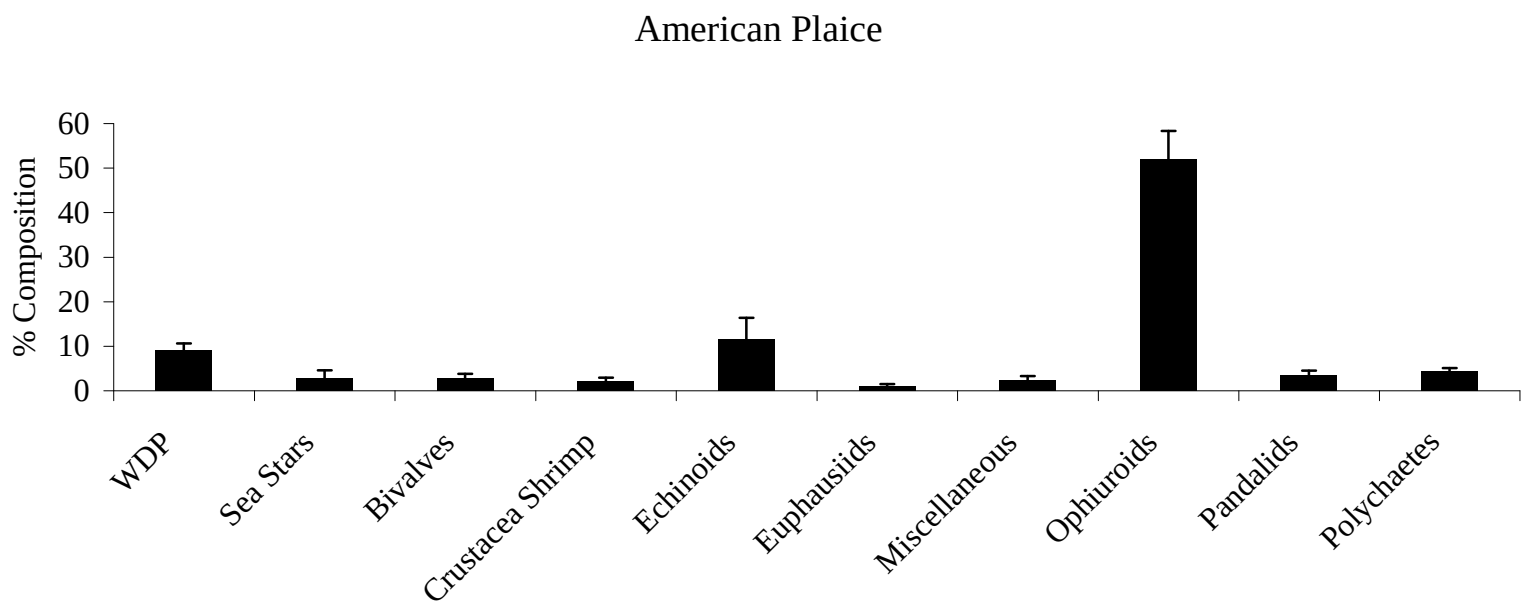

Figure 211. Percent diet composition by weight of major prey taxa for American plaice (*Hippoglossoides platessoides*; n = 7,199). WDP = well-digested prey.

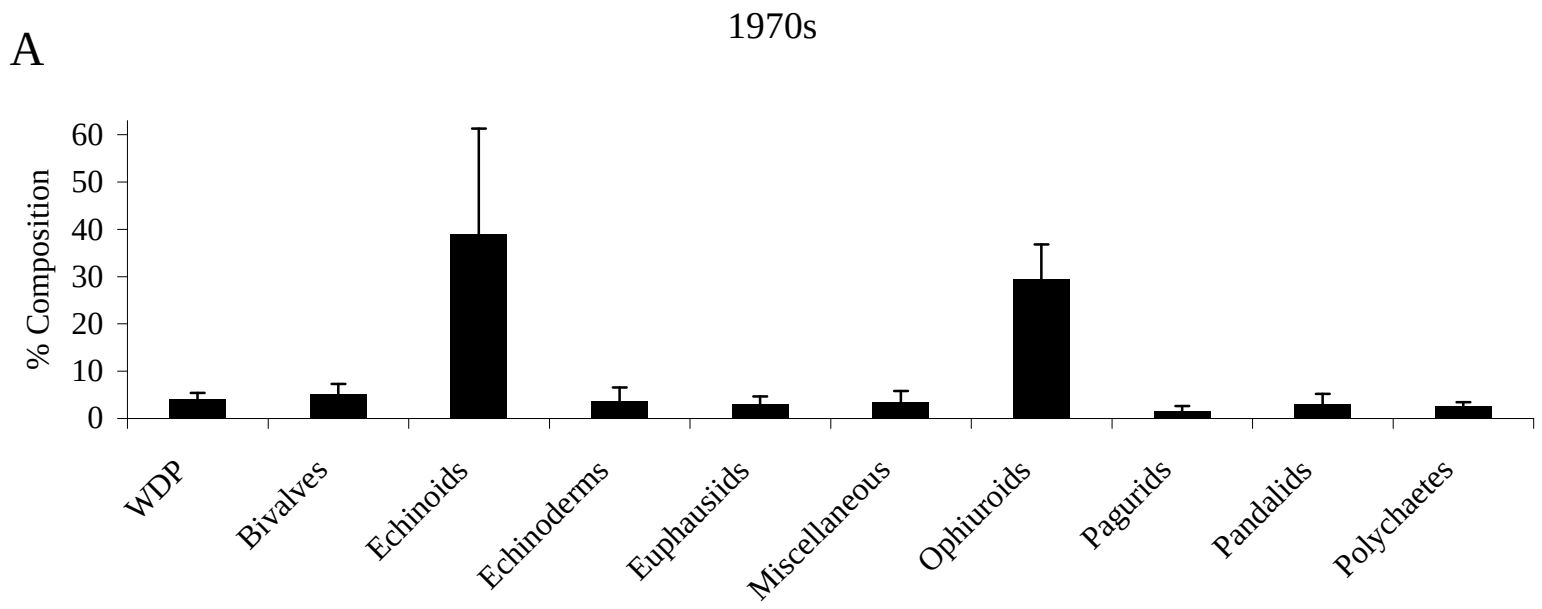

Figure 212A. Percent diet composition by weight of major prey taxa for American plaice (*Hippoglossoides platessoides*) collected in the 1970s (n = 1,511). WDP = well-digested prey.

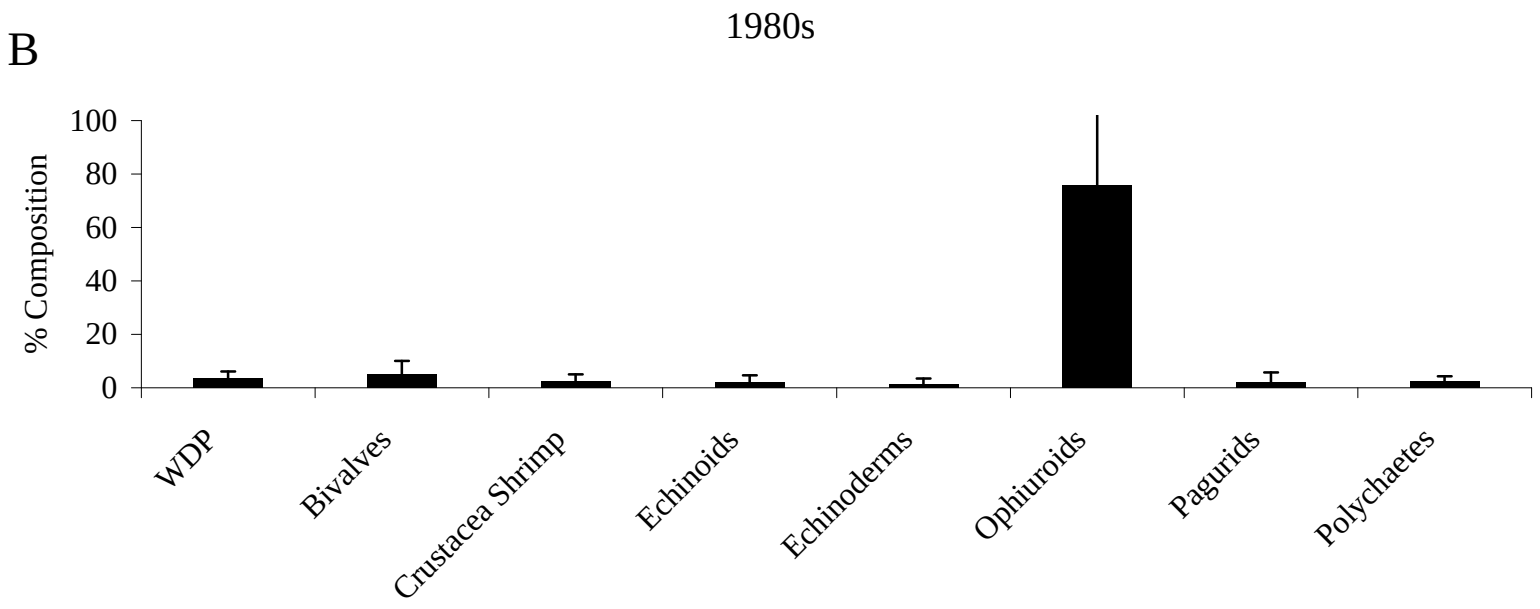

Figure 212B. Percent diet composition by weight of major prey taxa for American plaice (*Hippoglossoides platessoides*) collected in the 1980s (n = 281). WDP = well-digested prey.

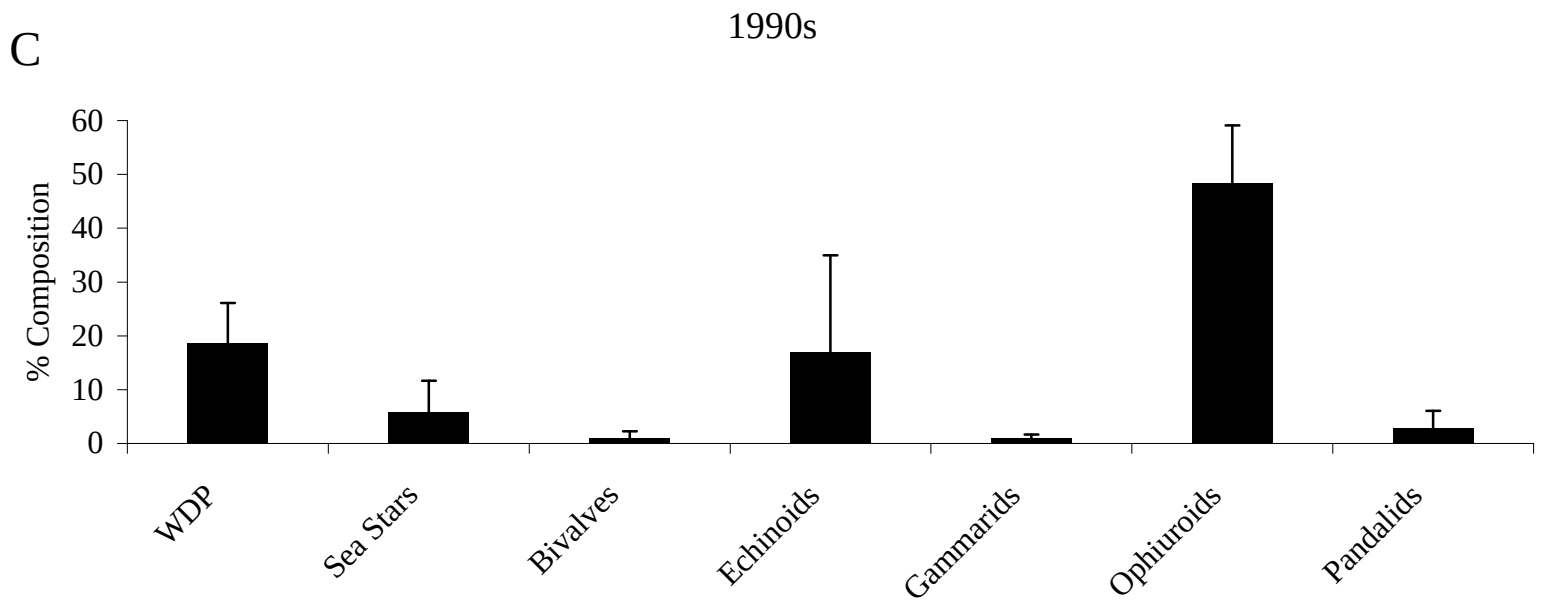

Figure 212C. Percent diet composition by weight of major prey taxa for American plaice (*Hippoglossoides platessoides*) collected in the 1990s (n = 615). WDP = well-digested prey.

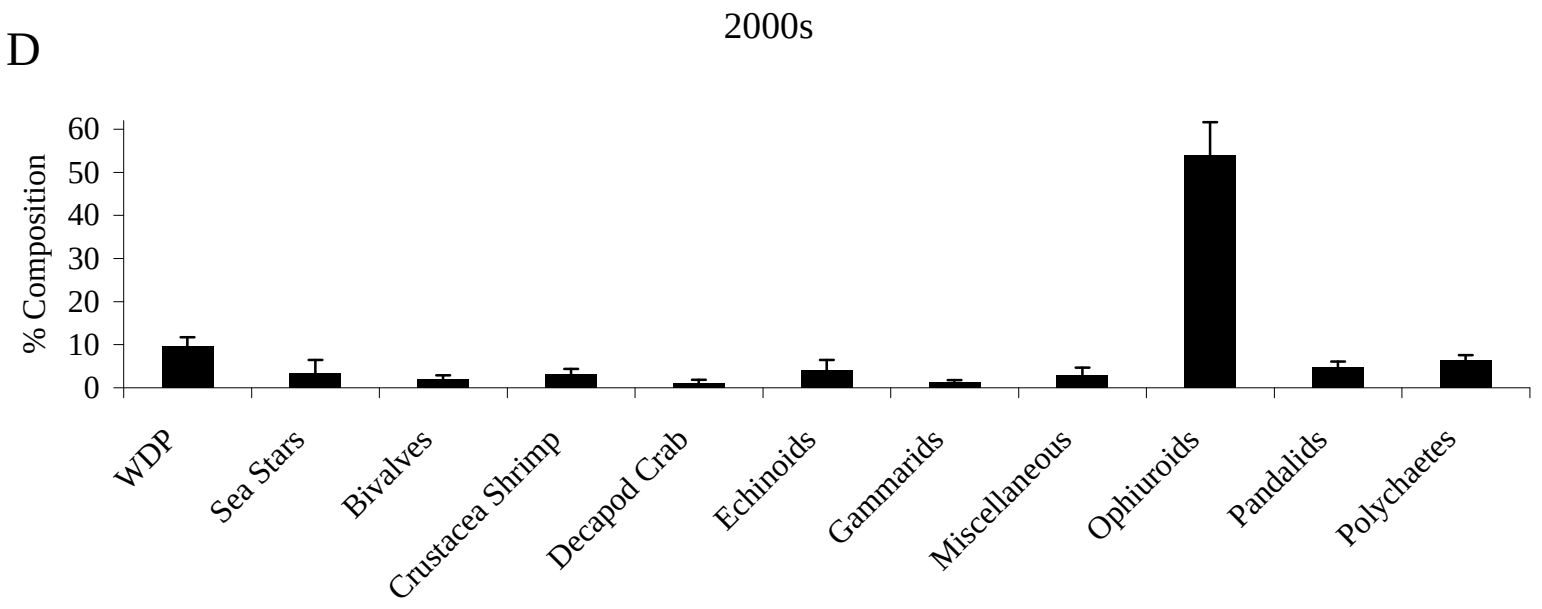

Figure 212D. Percent diet composition by weight of major prey taxa for American plaice (*Hippoglossoides platessoides*) collected in the 2000s (n = 4,792). WDP = well-digested prey.

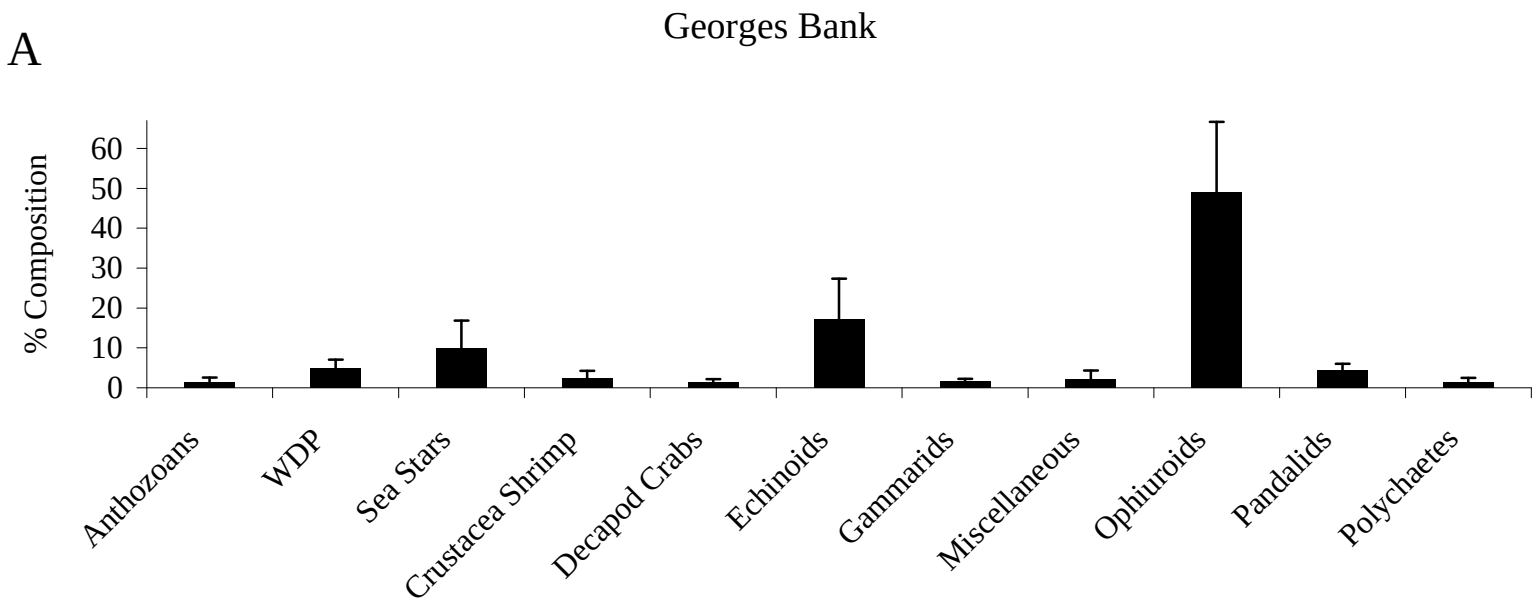

Figure 213A. Percent diet composition by weight of major prey taxa for American plaice (*Hippoglossoides platessoides*) collected on Georges Bank (n = 1,007). WDP = well-digested prey.

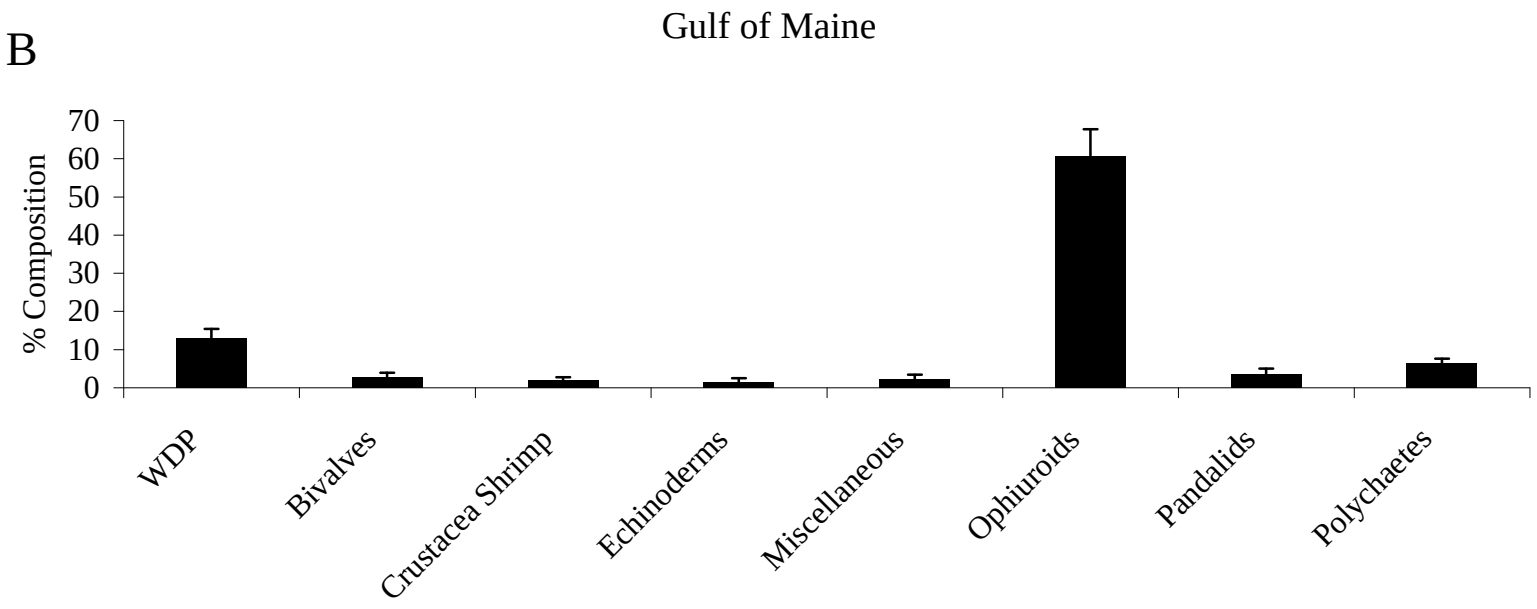

Figure 213B. Percent diet composition by weight of major prey taxa for American plaice (*Hippoglossoides platessoides*) collected in the Gulf of Maine (n = 5,173). WDP = well-digested prey.

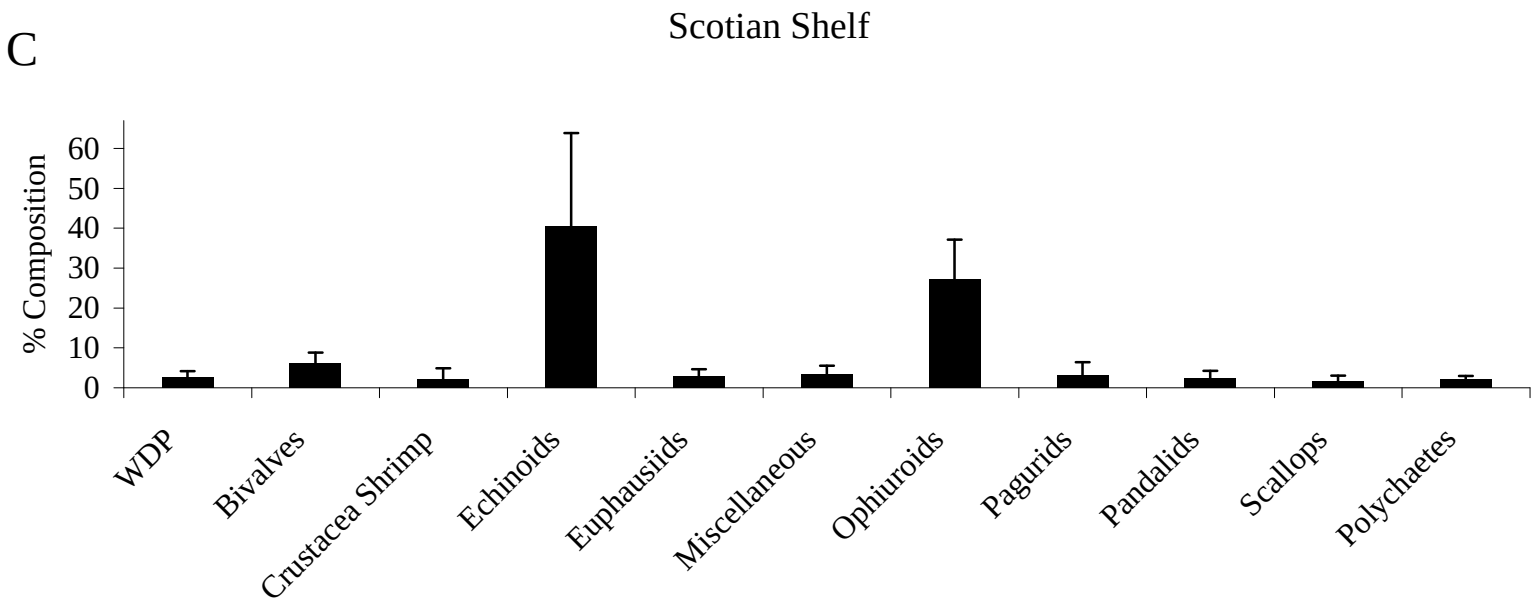

Figure 213C. Percent diet composition by weight of major prey taxa for American plaice (*Hippoglossoides platessoides*) collected on the Scotian Shelf (n = 1,001). WDP = well-digested prey.

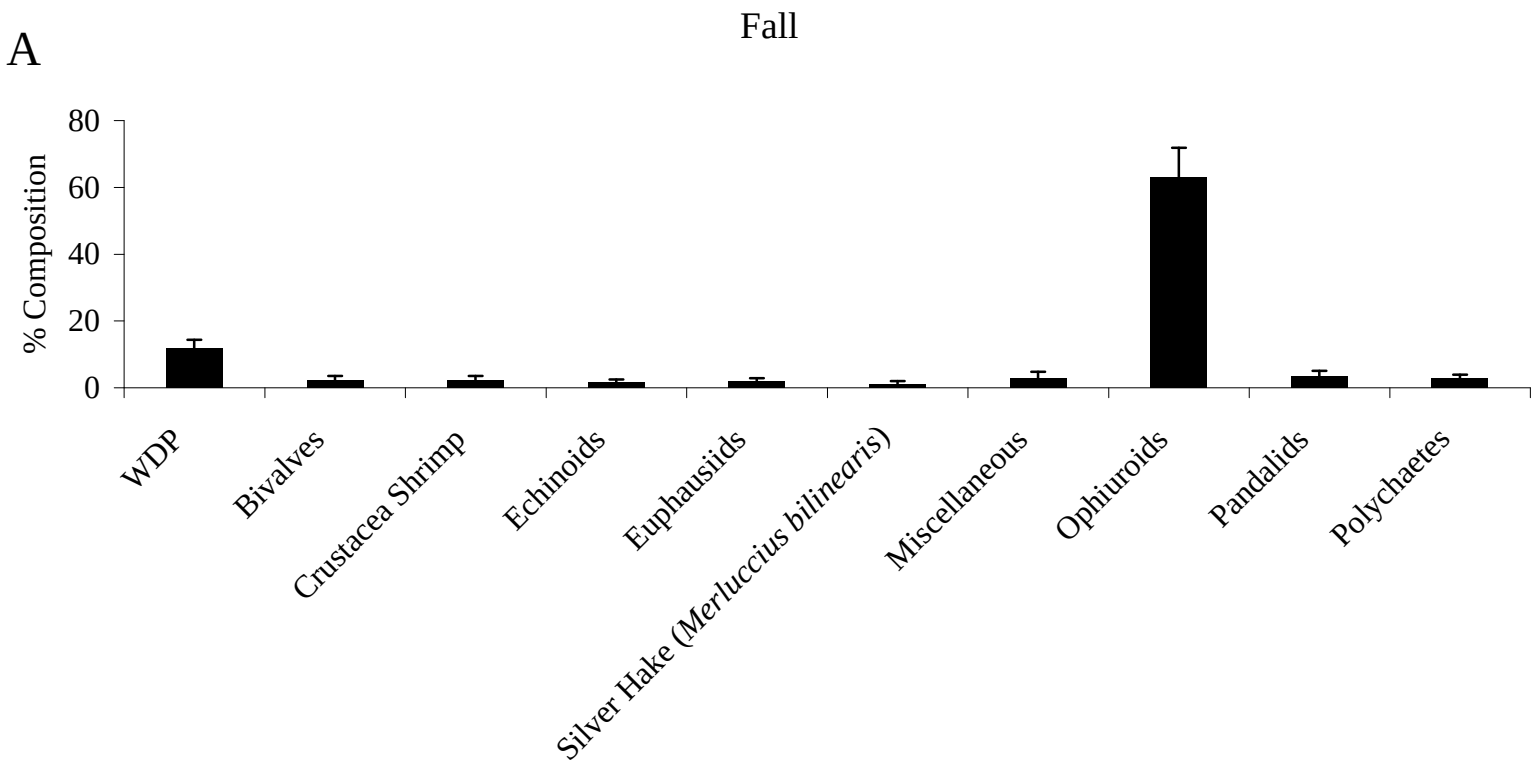

Figure 214A. Percent diet composition by weight of major prey taxa for American plaice (*Hippoglossoides platessoides*) collected in the fall (n = 3,153). WDP = well-digested prey.

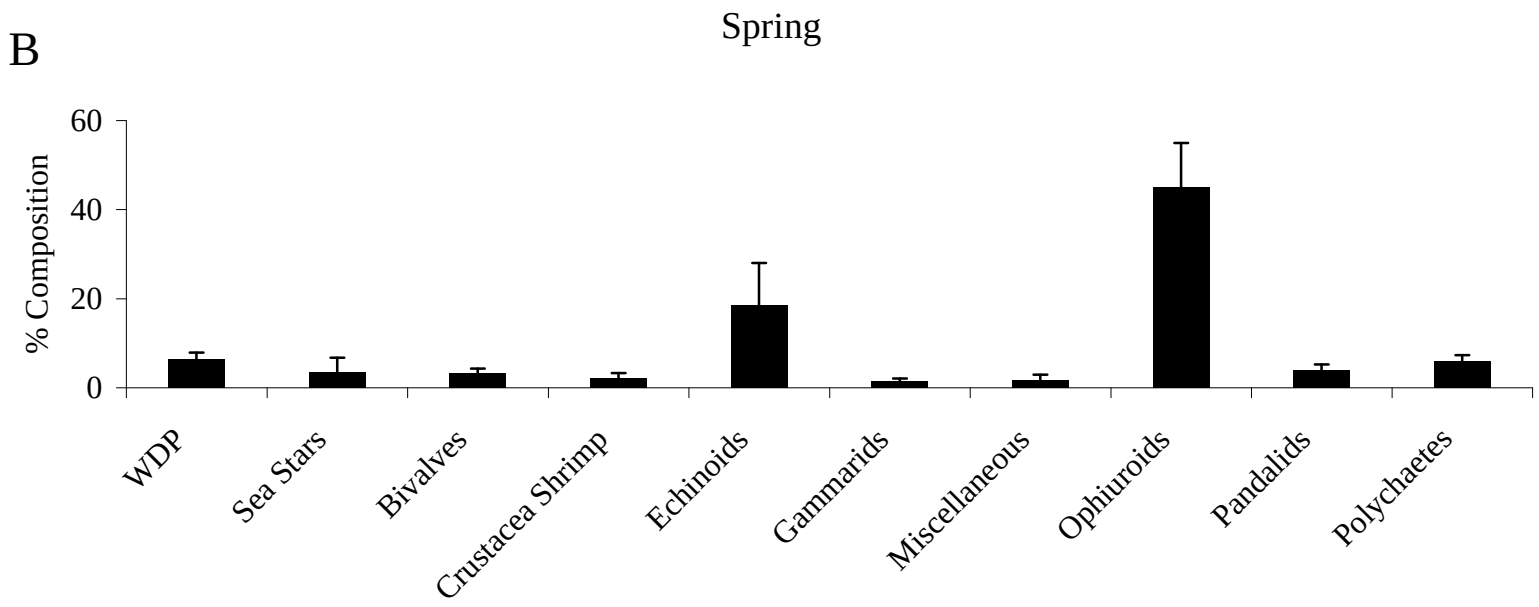

Figure 214B. Percent diet composition by weight of major prey taxa for American plaice (*Hippoglossoides platessoides*) collected in the spring (n = 3,685). WDP = well-digested prey.

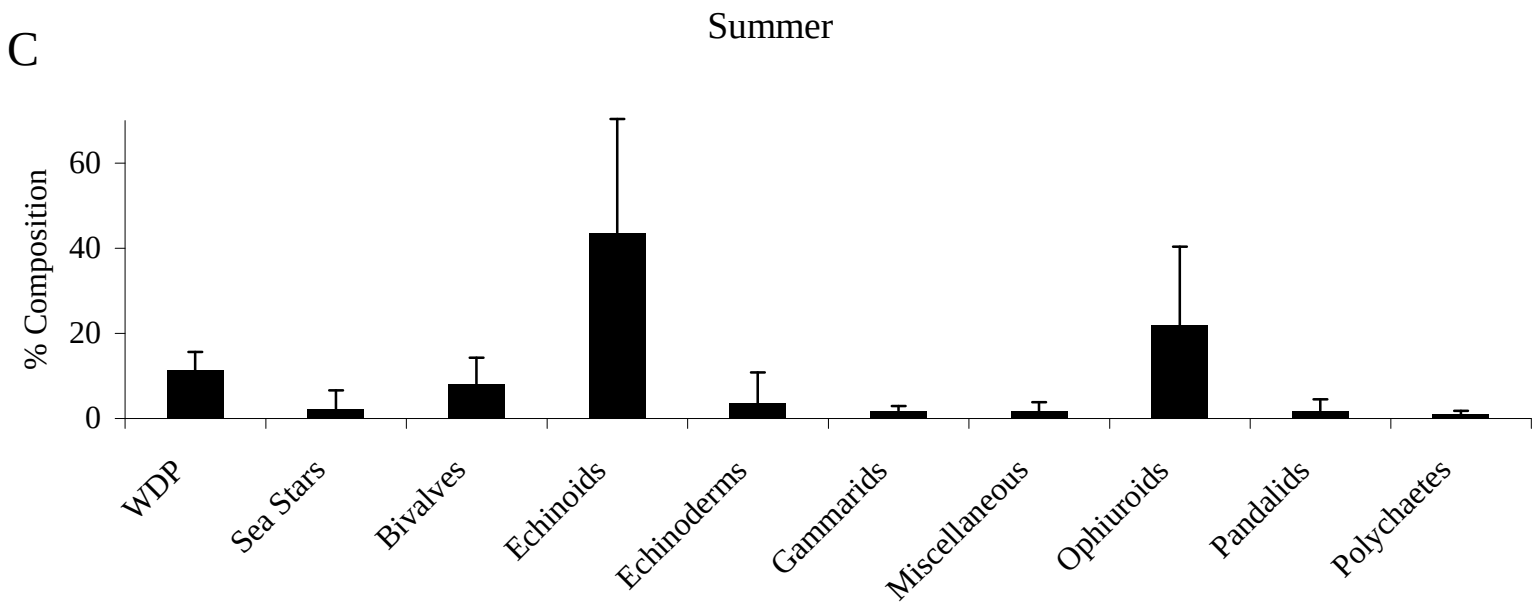

Figure 214C. Percent diet composition by weight of major prey taxa for American plaice (*Hippoglossoides platessoides*) collected in the summer (n = 294). WDP = well-digested prey.

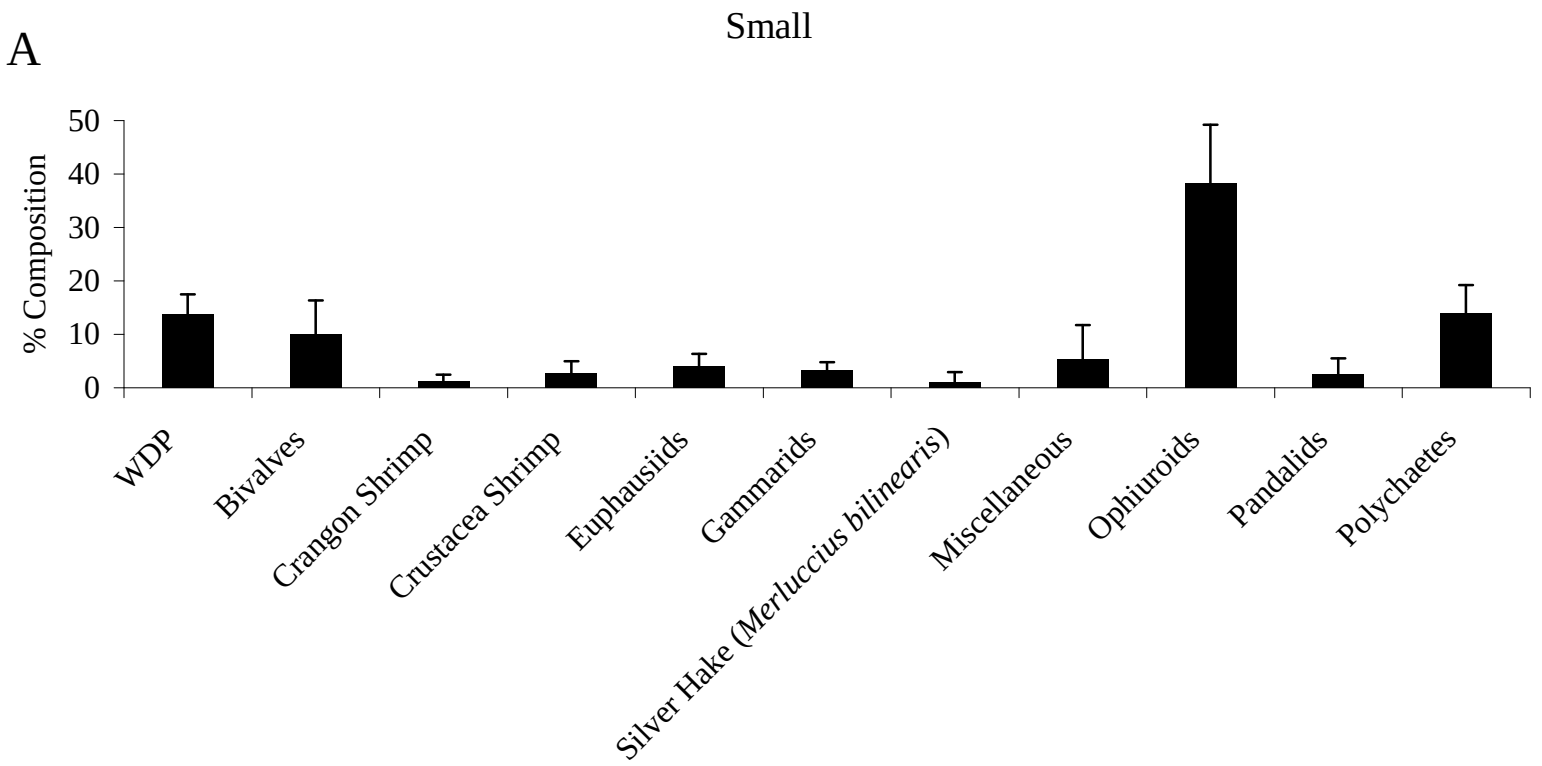

Figure 215A. Percent diet composition by weight of major prey taxa for American plaice (*Hippoglossoides platessoides*) in the small size class (n = 1,362). WDP = well-digested prey.

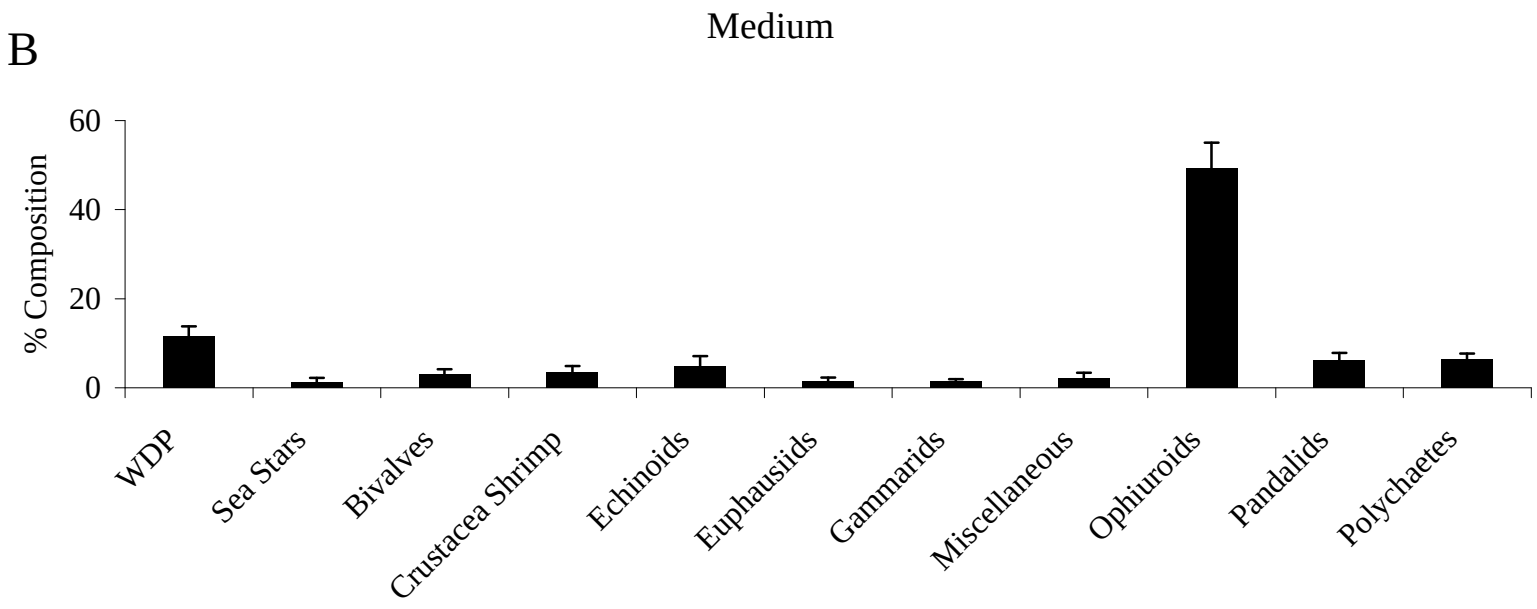

Figure 215B. Percent diet composition by weight of major prey taxa for American plaice (*Hippoglossoides platessoides*) in the medium size class (n = 4,801). WDP = well-digested prey.

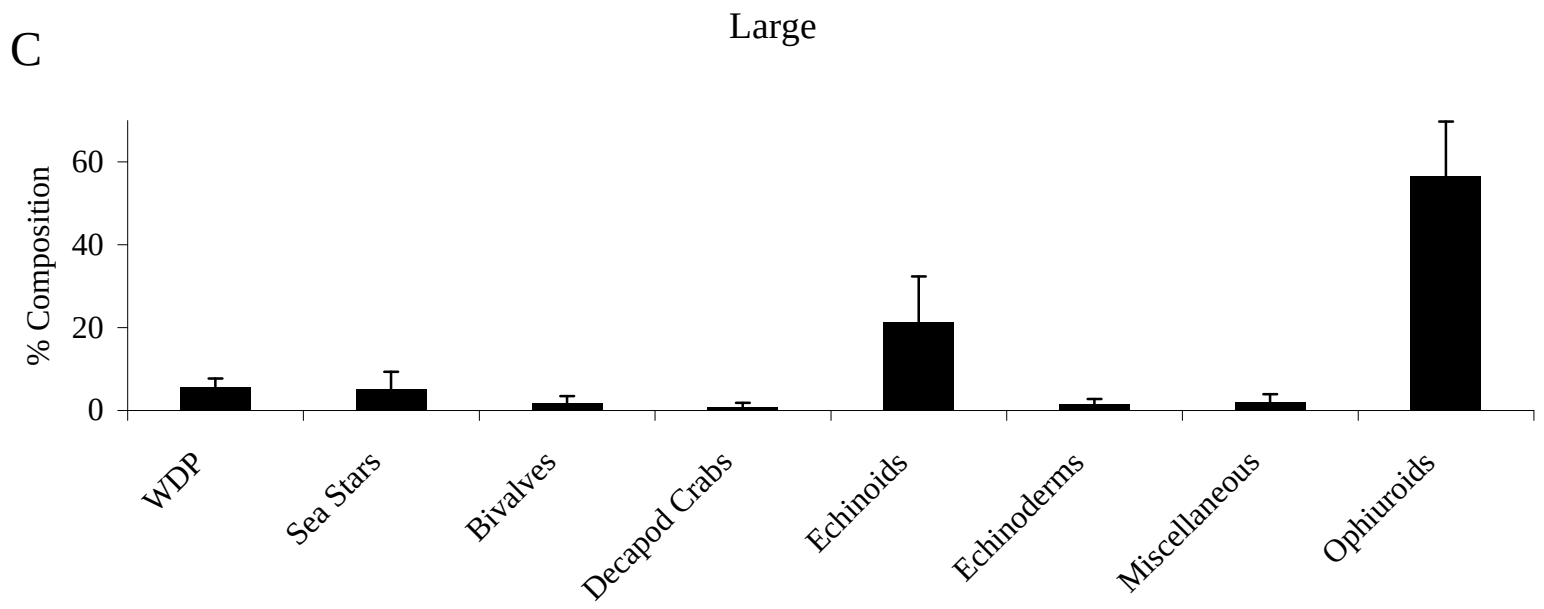

Figure 215C. Percent diet composition by weight of major prey taxa for American plaice (*Hippoglossoides platessoides*) in the large size class (n = 1,037). WDP = well-digested prey.

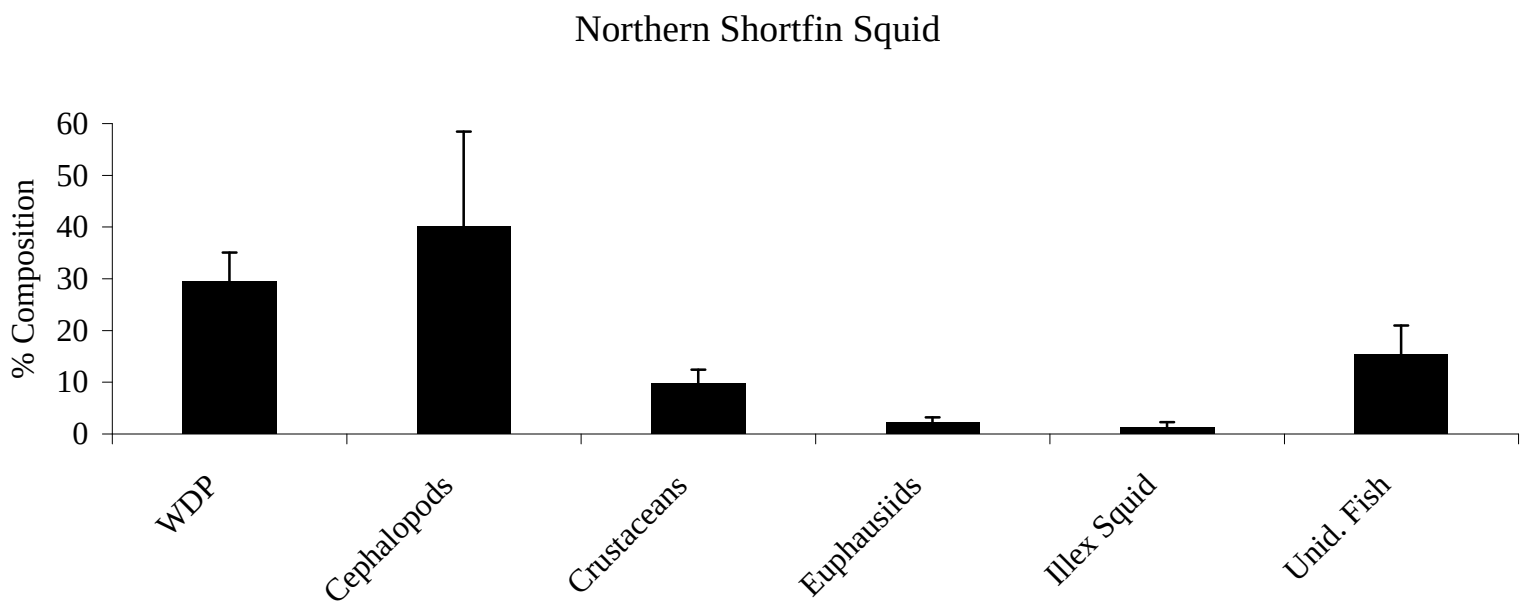

Figure 216. Percent diet composition by weight of major prey taxa for northern shortfin squid (*Illex illecebrosus*; n = 3,072). WDP = well-digested prey; Unid. Fish = unidentified fish.

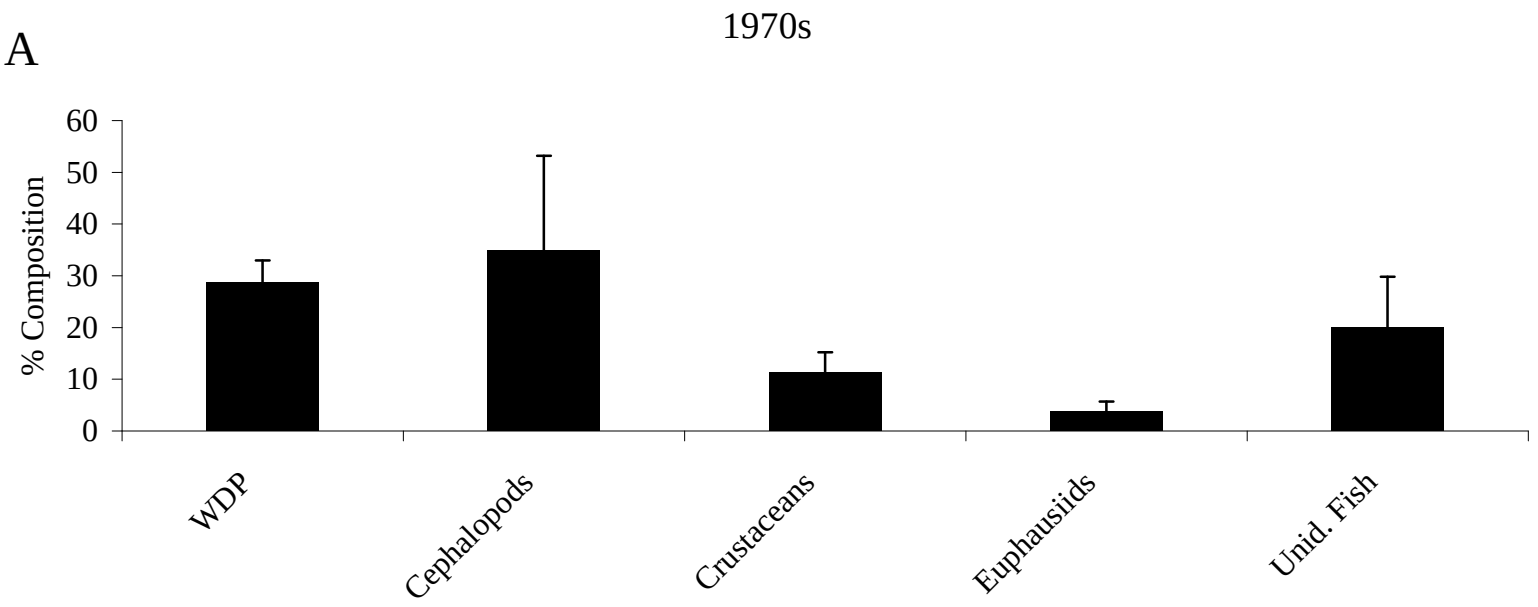

Figure 217A. Percent diet composition by weight of major prey taxa for northern shortfin squid (*Illex illecebrosus*; collected in the 1970s (n = 1,674). WDP = well-digested prey; Unid. Fish = unidentified fish.

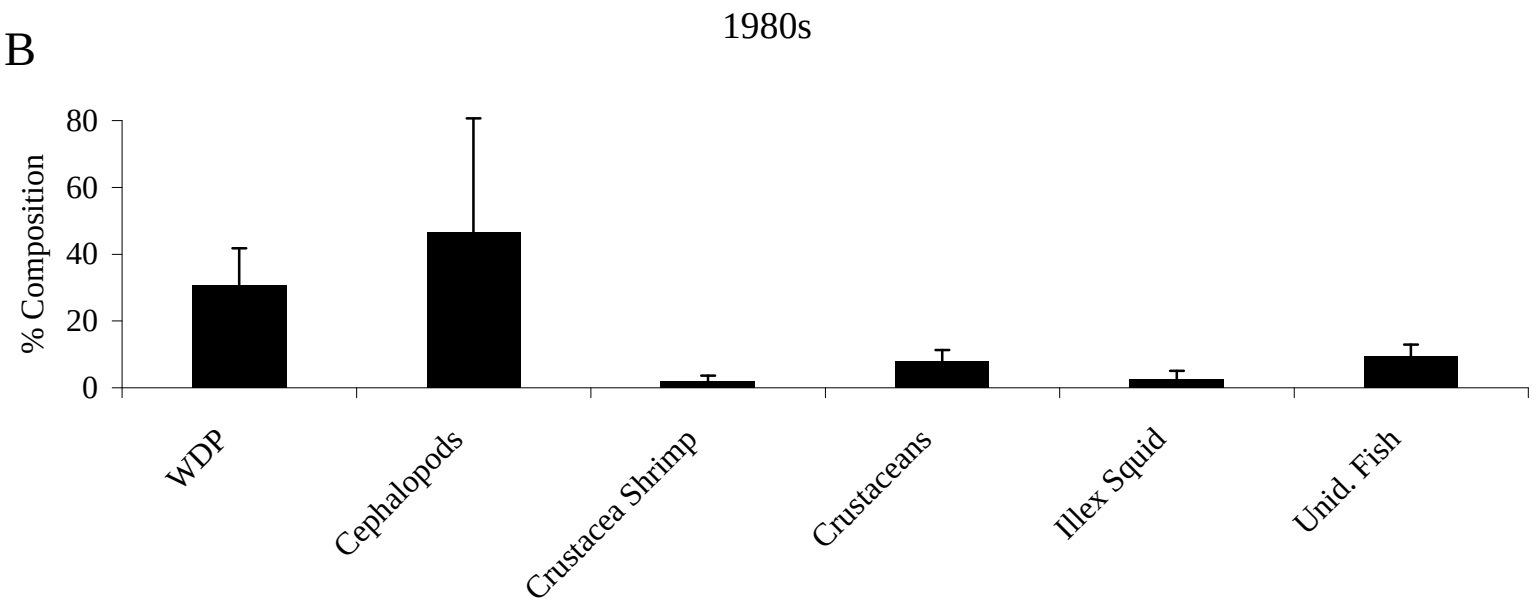

Figure 217B. Percent diet composition by weight of major prey taxa for northern shortfin squid (*Illex illecebrosus*) collected in the 1980s (n = 1,397). WDP = well-digested prey; Unid. Fish = unidentified fish.

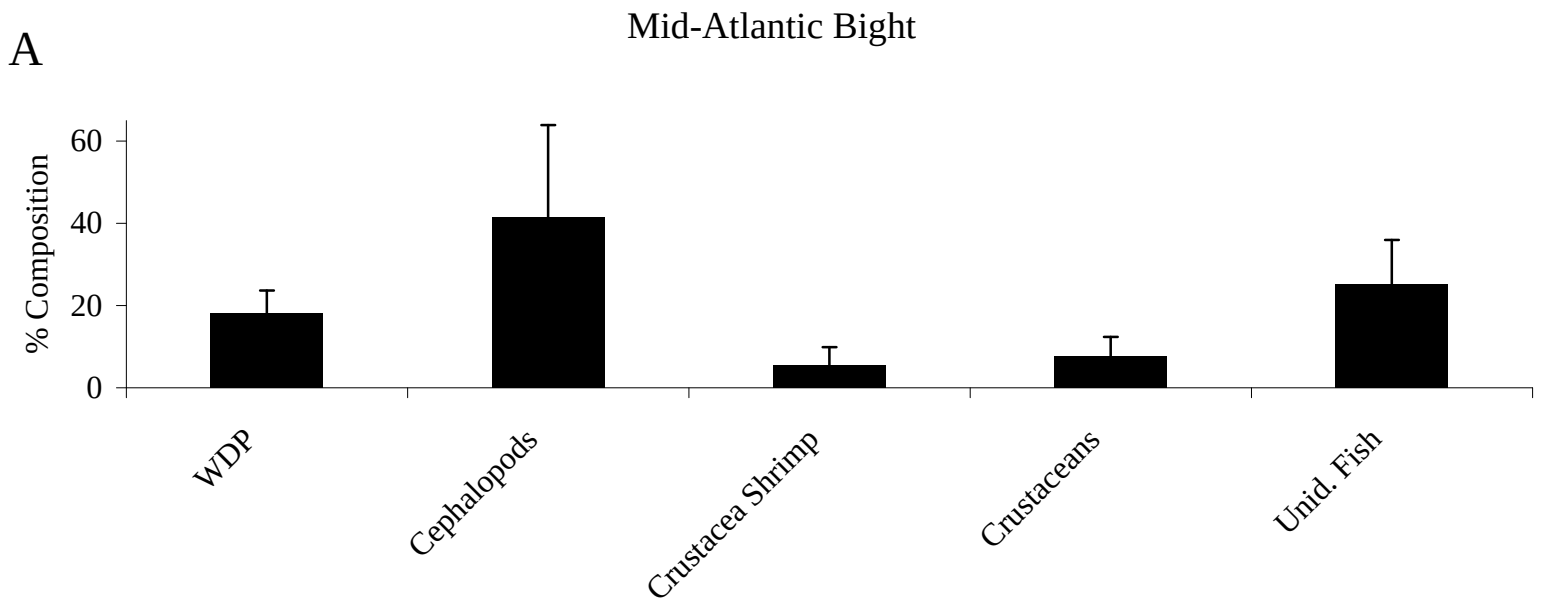

Figure 218A. Percent diet composition by weight of major prey taxa for northern shortfin squid (*Illex illecebrosus*) collected in the Mid-Atlantic Bight (n = 711). WDP = well-digested prey; Unid. Fish = unidentified fish.

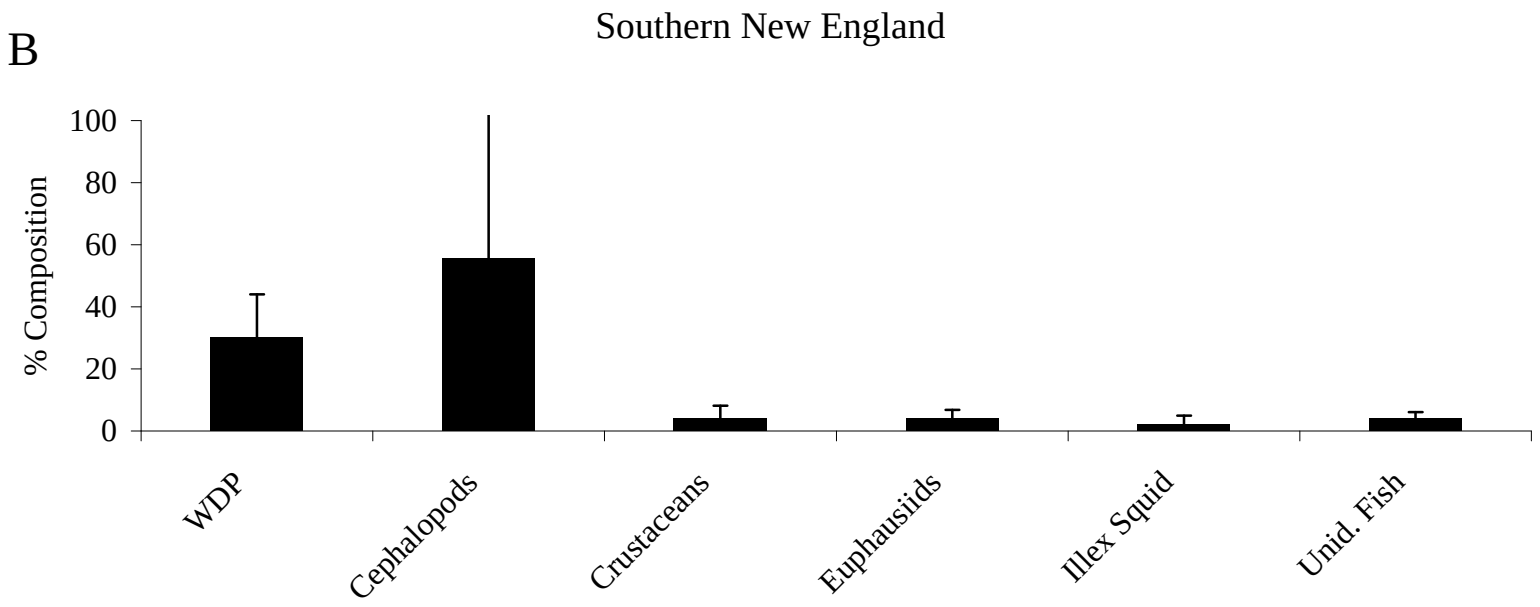

Figure 218B. Percent diet composition by weight of major prey taxa for northern shortfin squid (*Illex illecebrosus*) collected in Southern New England (n = 636). WDP = well-digested prey; Unid. Fish = unidentified fish.

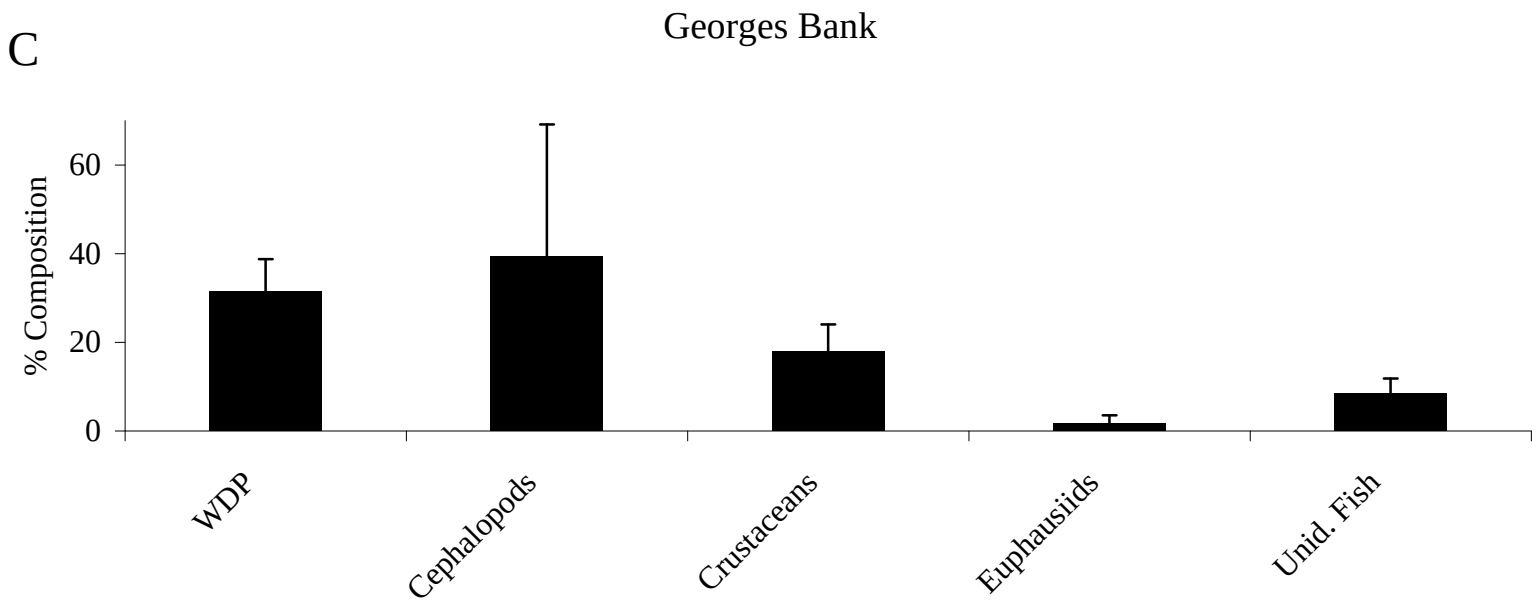

Figure 218C. Percent diet composition by weight of major prey taxa for northern shortfin squid (*Illex illecebrosus*) collected on Georges Bank (n = 916). WDP = well-digested prey; Unid. Fish = unidentified fish.

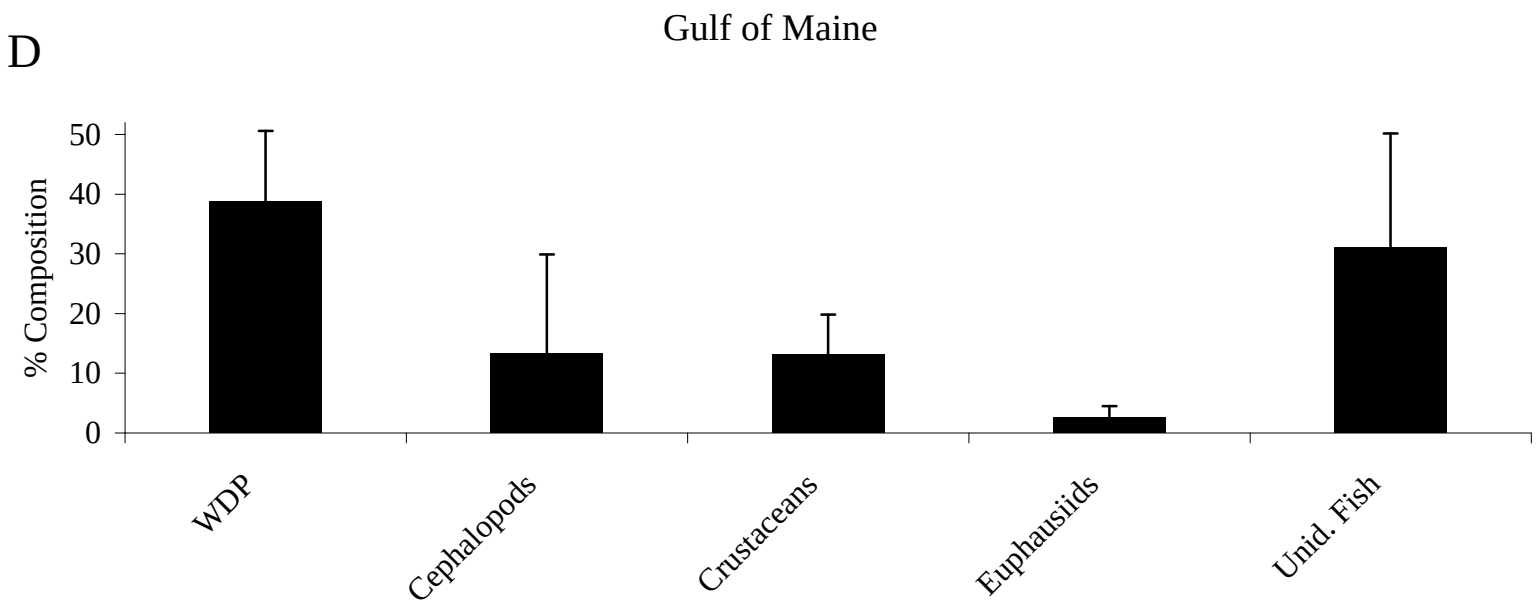

Figure 218D. Percent diet composition by weight of major prey taxa for northern shortfin squid (*Illex illecebrosus*) collected in the Gulf of Maine (n = 518). WDP = well-digested prey; Unid. Fish = unidentified fish.

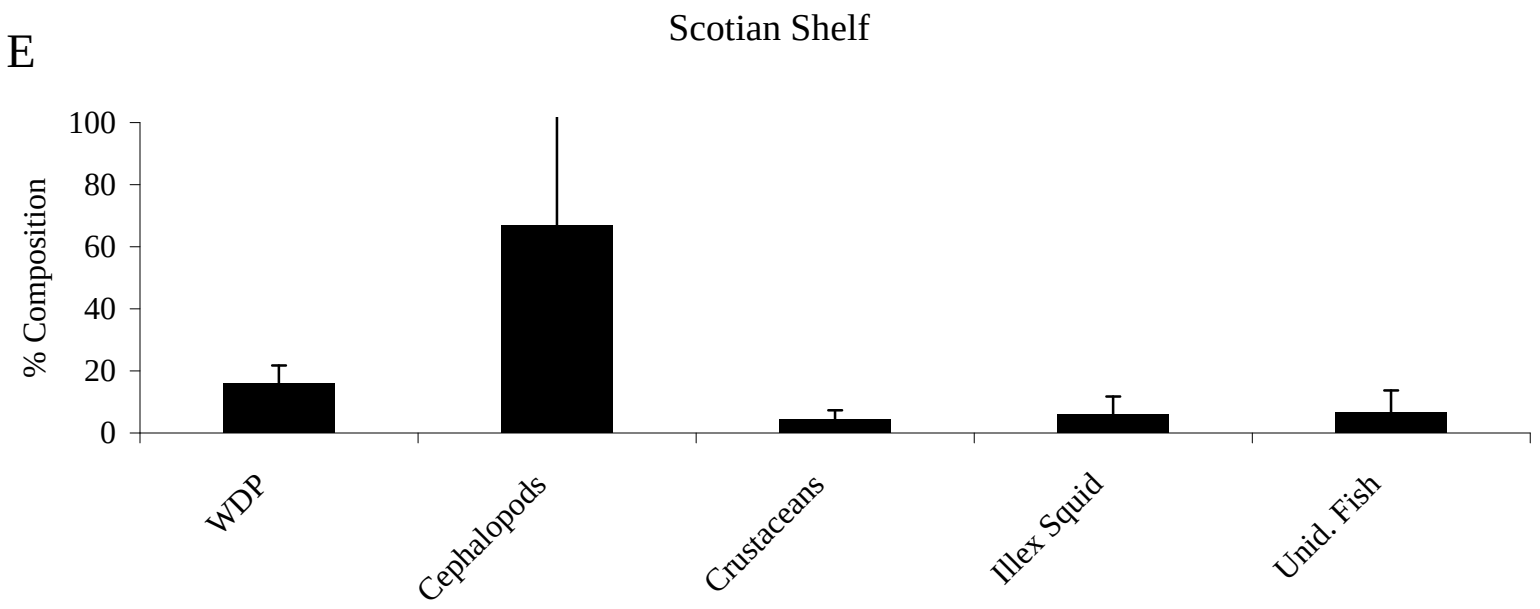

Figure 218E. Percent diet composition by weight of major prey taxa for northern shortfin squid (*Illex illecebrosus*) collected on the Scotian Shelf (n = 256). WDP = well-digested prey; Unid. Fish = unidentified fish.

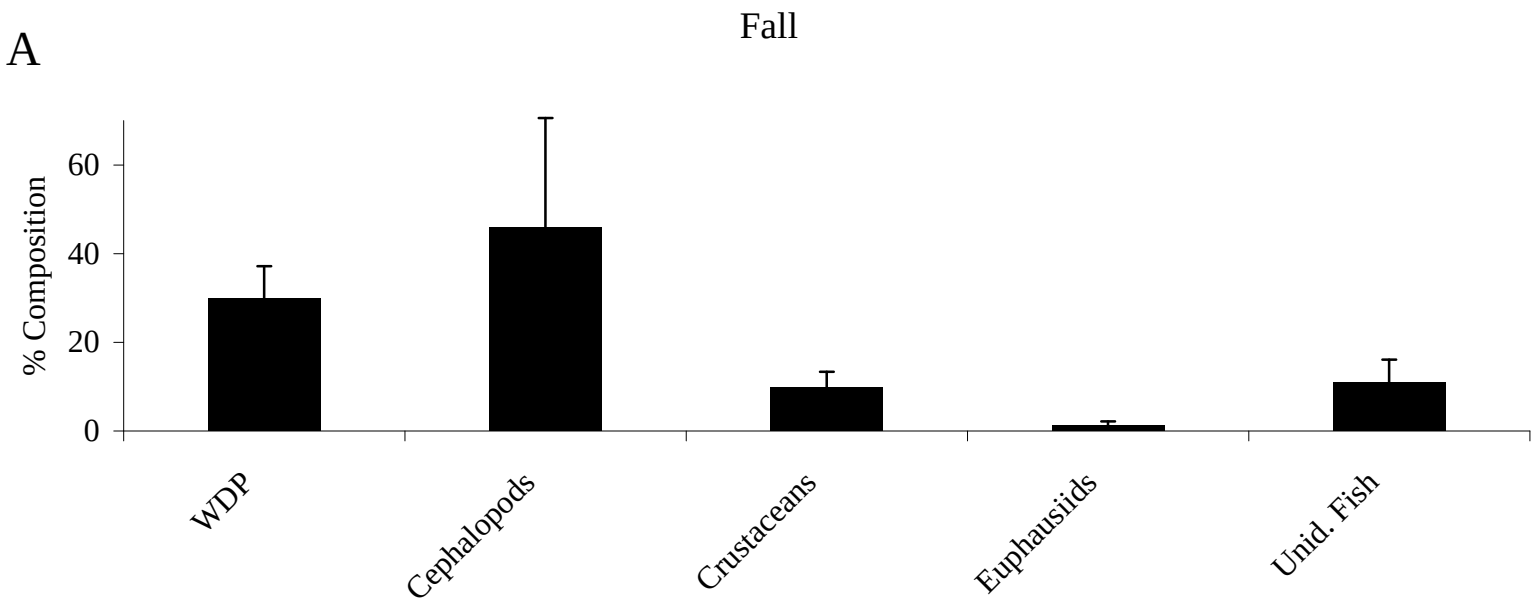

Figure 219A. Percent diet composition by weight of major prey taxa for northern shortfin squid (*Illex illecebrosus*) collected in the fall (n = 1,952). WDP = well-digested prey; Unid. Fish = unidentified fish.

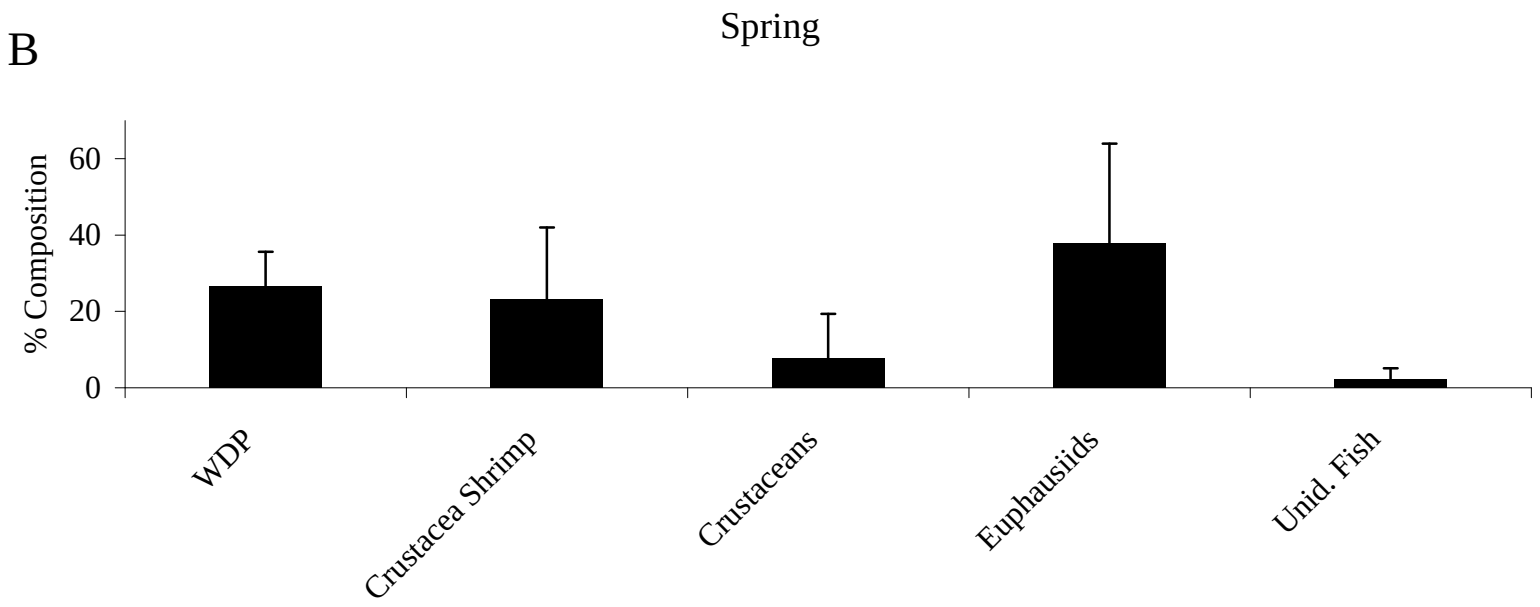

Figure 219B. Percent diet composition by weight of major prey taxa for northern shortfin squid (*Illex illecebrosus*) collected in the spring (n = 215). WDP = well-digested prey; Unid. Fish = unidentified fish.

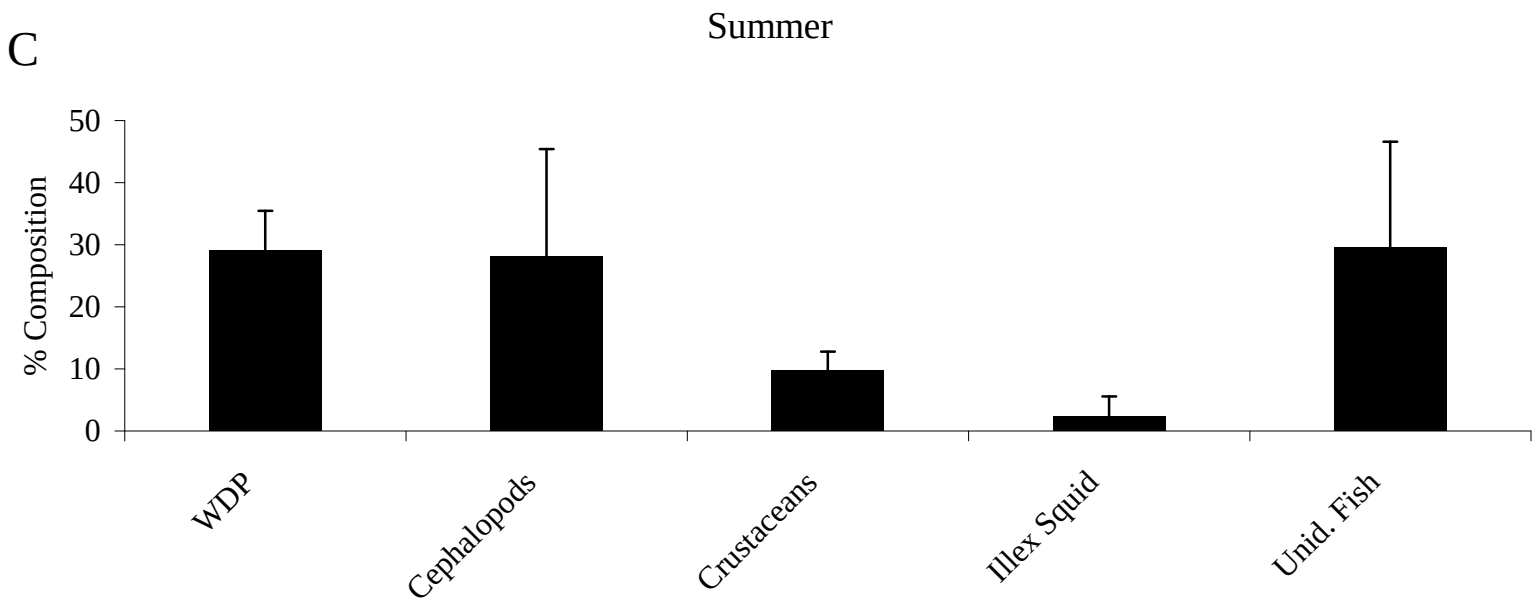

Figure 219C. Percent diet composition by weight of major prey taxa for northern shortfin squid (*Illex illecebrosus*) collected in the summer (n = 905). WDP = well-digested prey; Unid. Fish = unidentified fish.

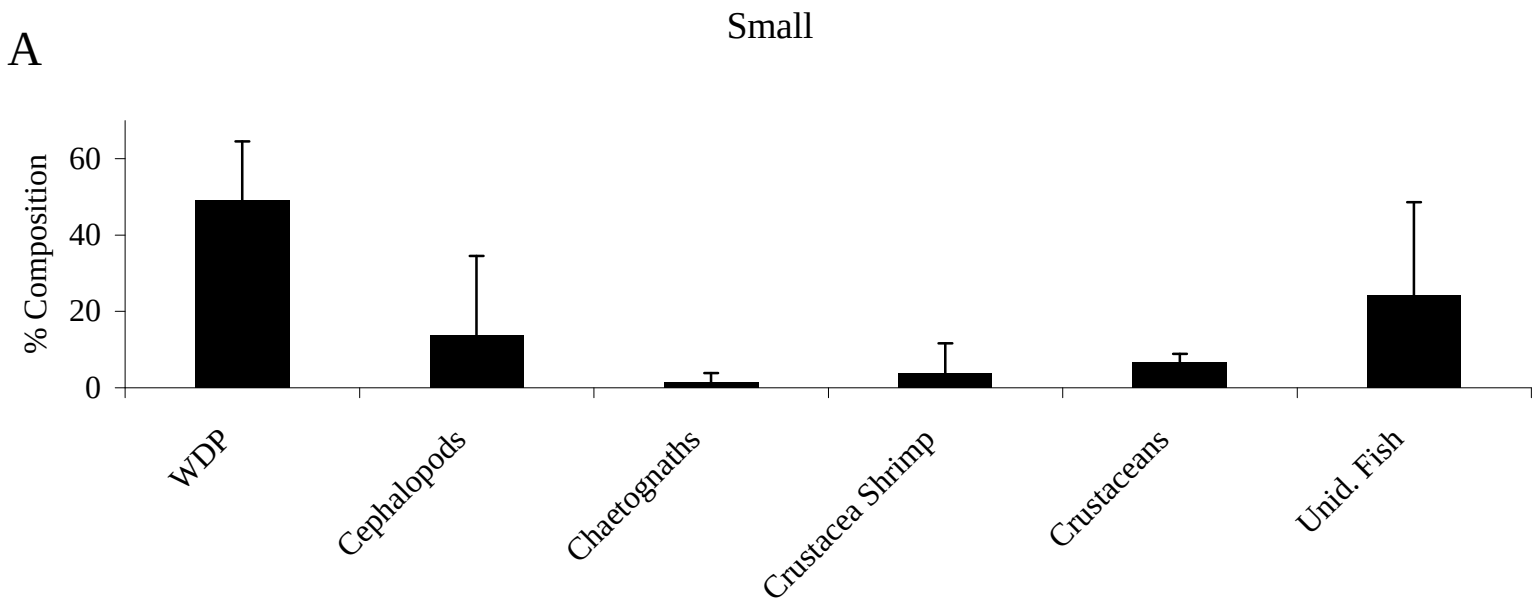

Figure 220A. Percent diet composition by weight of major prey taxa for northern shortfin squid (*Illex illecebrosus*) in the small size class (n = 544). WDP = well-digested prey; Unid. Fish = unidentified fish.

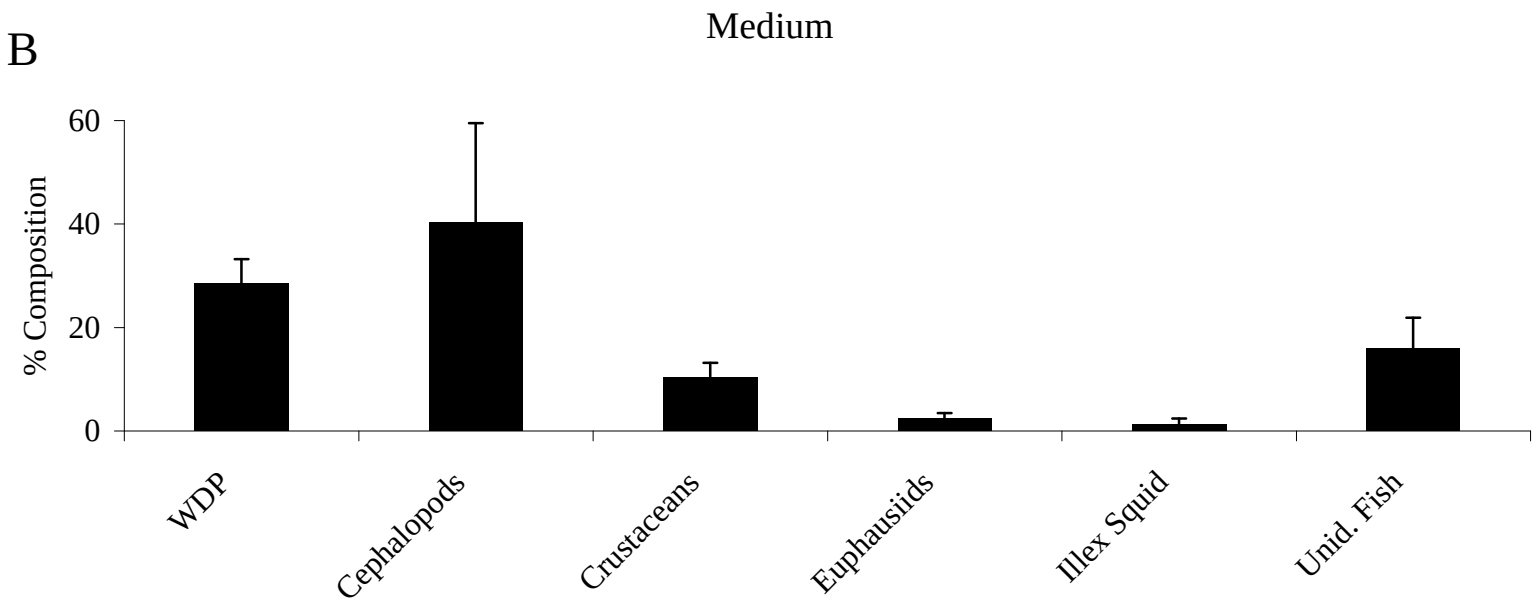

Figure 220B. Percent diet composition by weight of major prey taxa for northern shortfin squid (*Illex illecebrosus*) in the medium size class (n = 2,501). WDP = well-digested prey; Unid. Fish = unidentified fish.

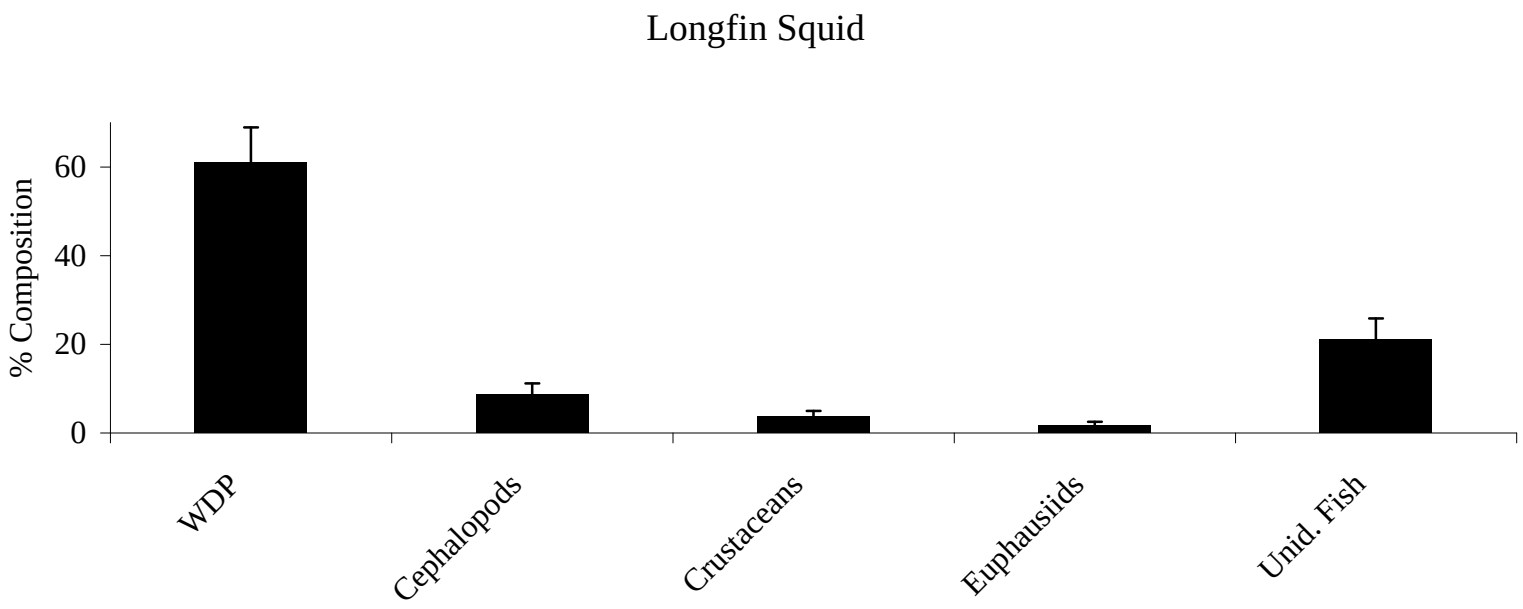

Figure 221. Percent diet composition by weight of major prey taxa for longfin squid (*Loligo pealeii*; n = 3,080). WDP = well-digested prey; Unid. Fish = unidentified fish.

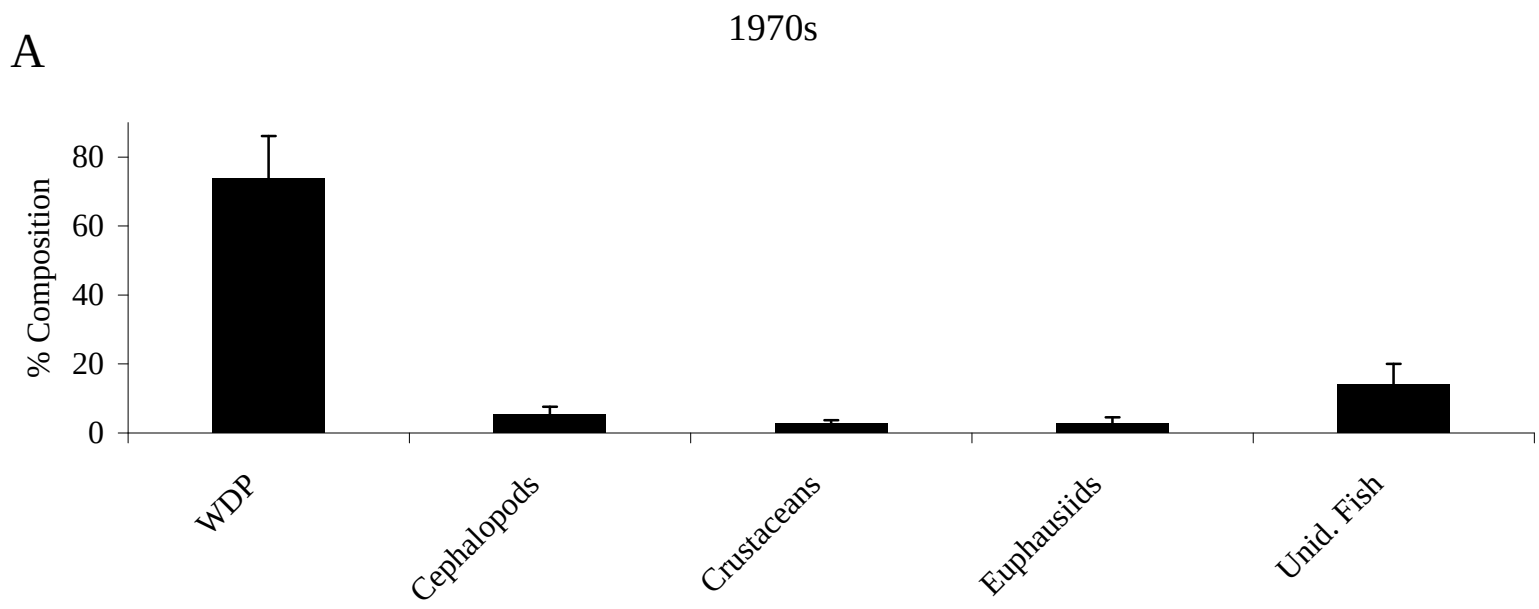

Figure 222A. Percent diet composition by weight of major prey taxa for longfin squid (*Loligo pealeii*) collected in the 1970s (n = 1,654). WDP = well-digested prey; Unid. Fish = unidentified fish.

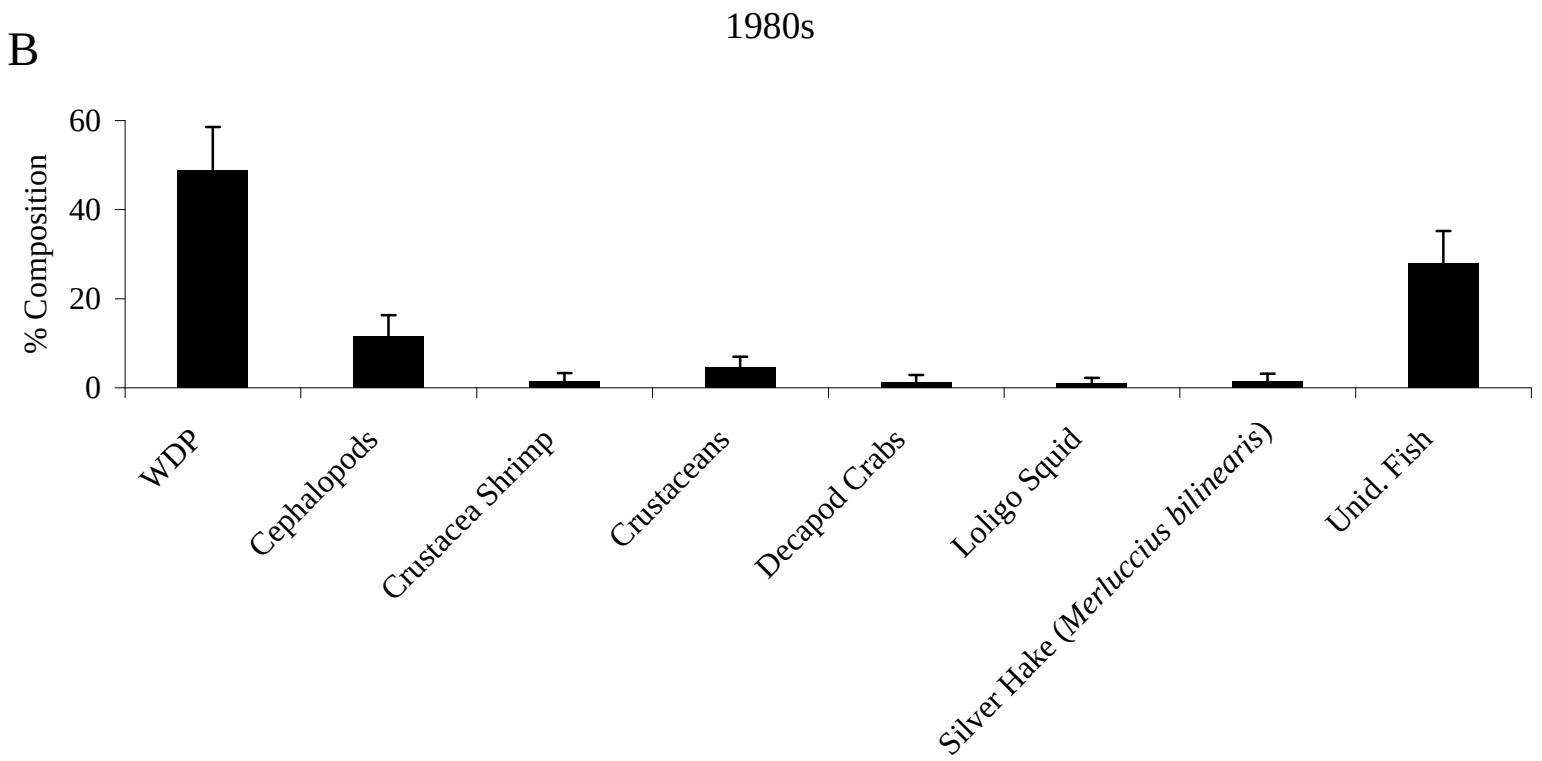

Figure 222B. Percent diet composition by weight of major prey taxa for longfin squid (*Loligo pealeii*) collected in the 1980s (n =1,426). WDP = well-digested prey; Unid. Fish = unidentified fish.

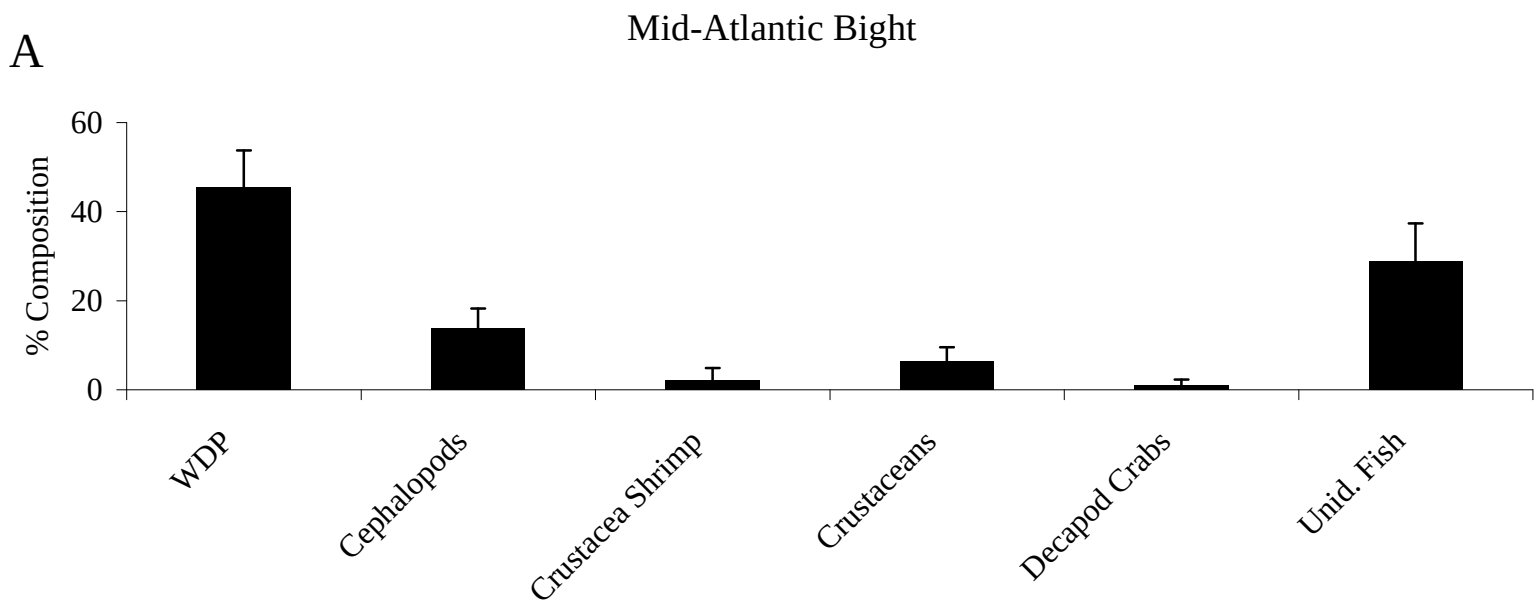

Figure 223A. Percent diet composition by weight of major prey taxa for longfin squid (*Loligo pealeii*) collected in the Mid-Atlantic Bight (n = 1,550). WDP = well-digested prey; Unid. Fish = unidentified fish.

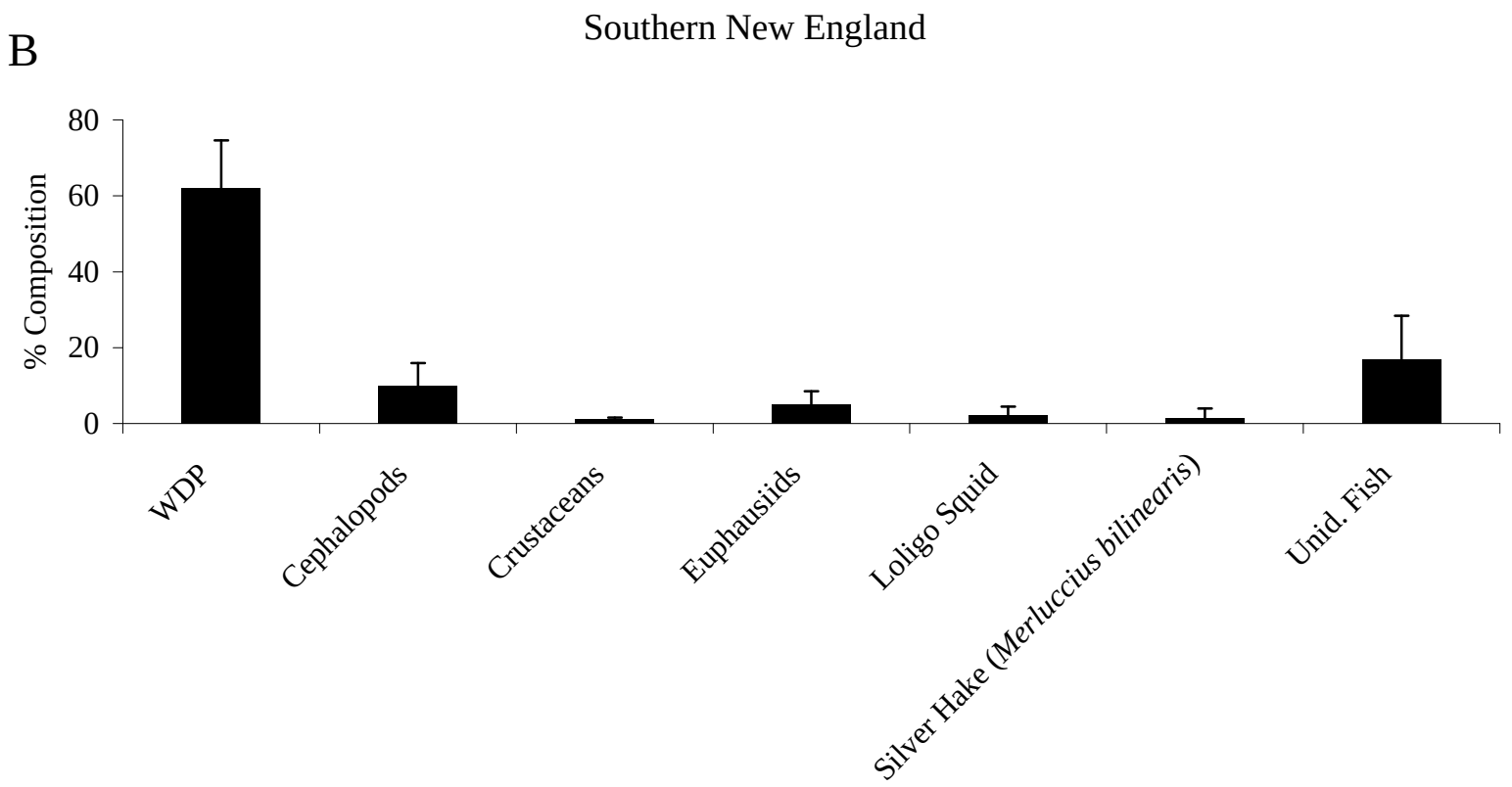

Figure 223B. Percent diet composition by weight of major prey taxa for longfin squid (*Loligo pealeii*) collected in Southern New England (n = 759). WDP = well-digested prey; Unid. Fish = unidentified fish.

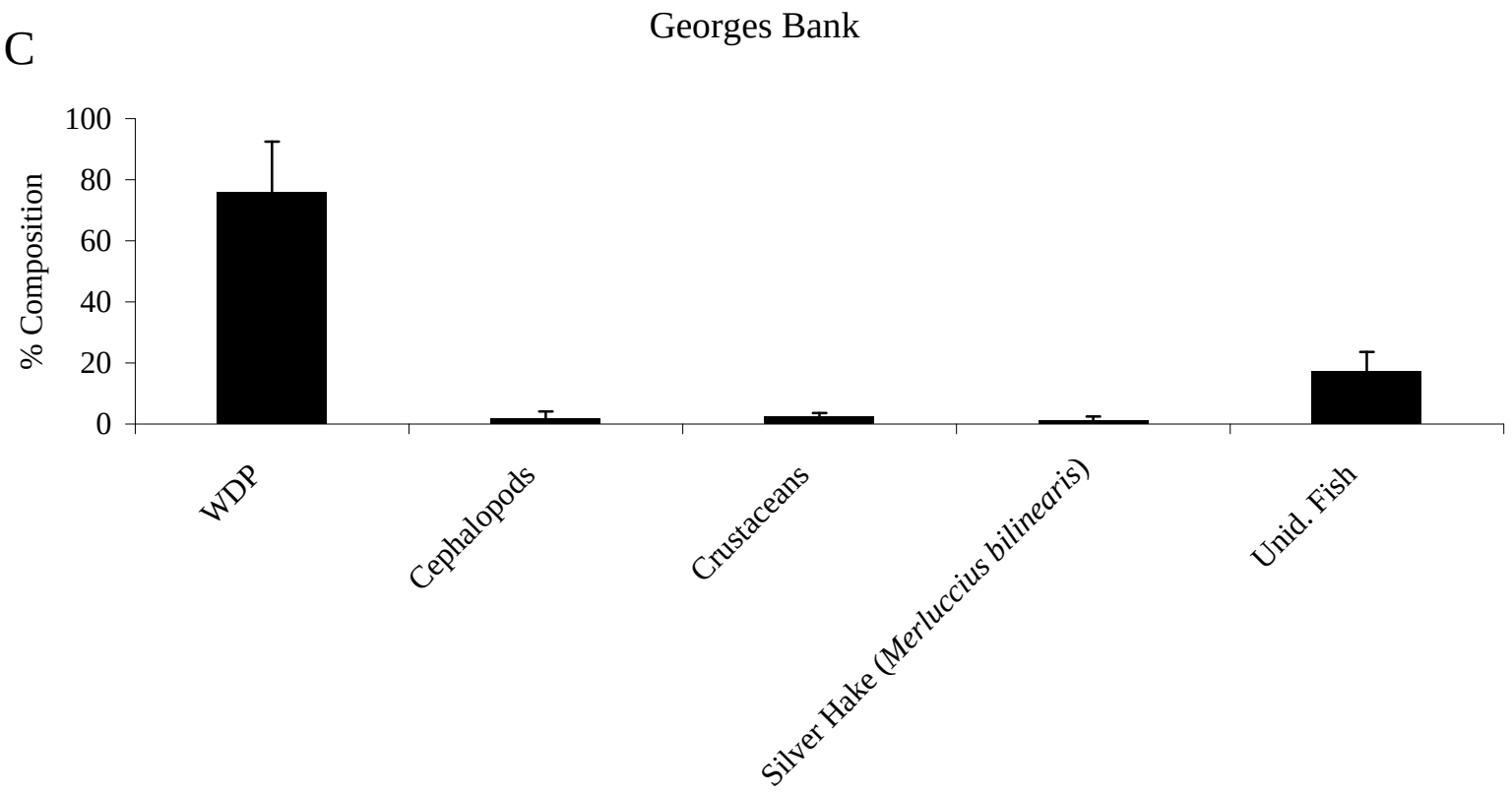

Figure 223C. Percent diet composition by weight of major prey taxa for longfin squid (*Loligo pealeii*) collected on Georges Bank (n = 672). WDP = well-digested prey; Unid. Fish = unidentified fish.

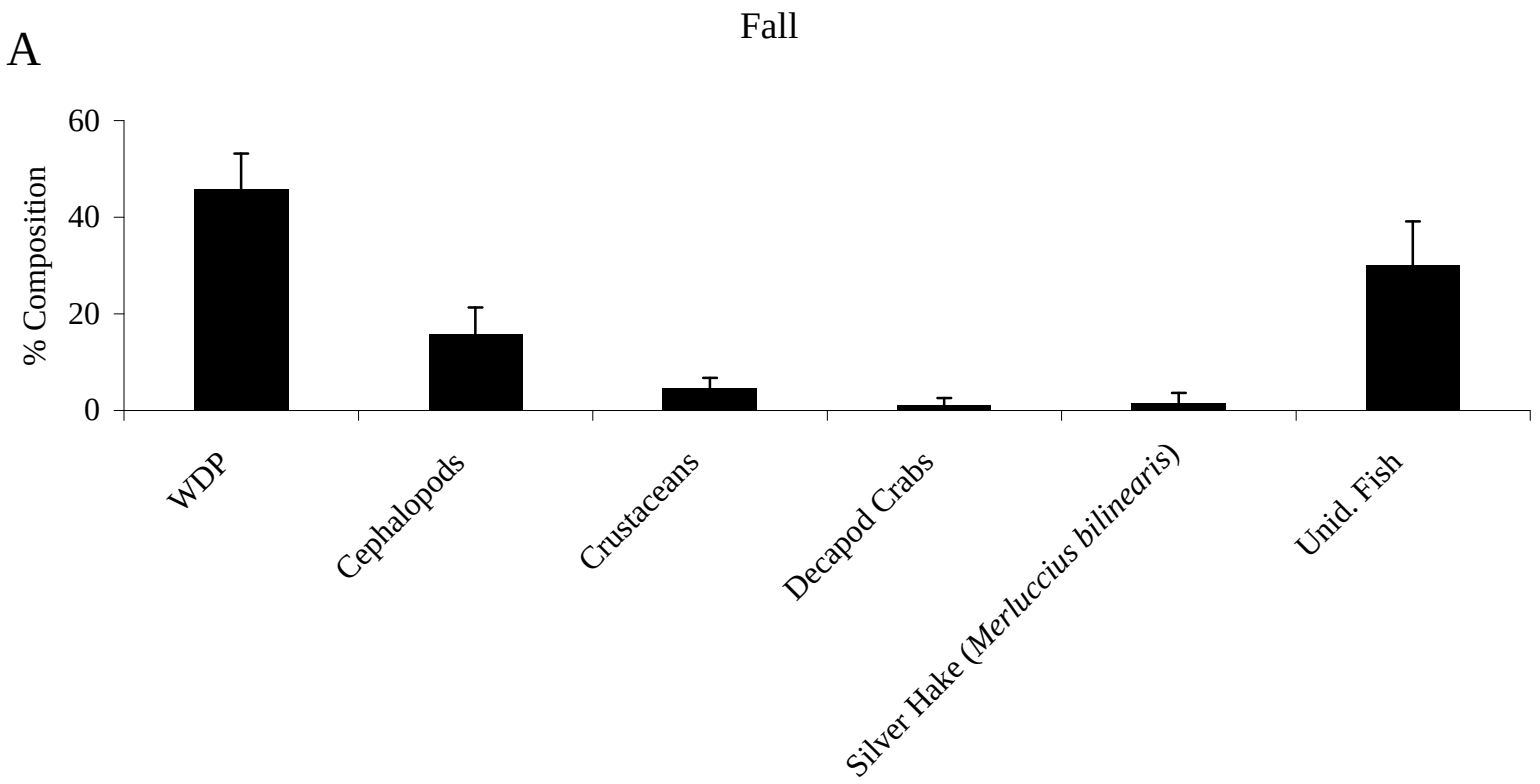

Figure 224A. Percent diet composition by weight of major prey taxa for longfin squid (*Loligo pealeii*) collected in the fall (n = 1,565). WDP = well-digested prey; Unid. Fish = unidentified fish.

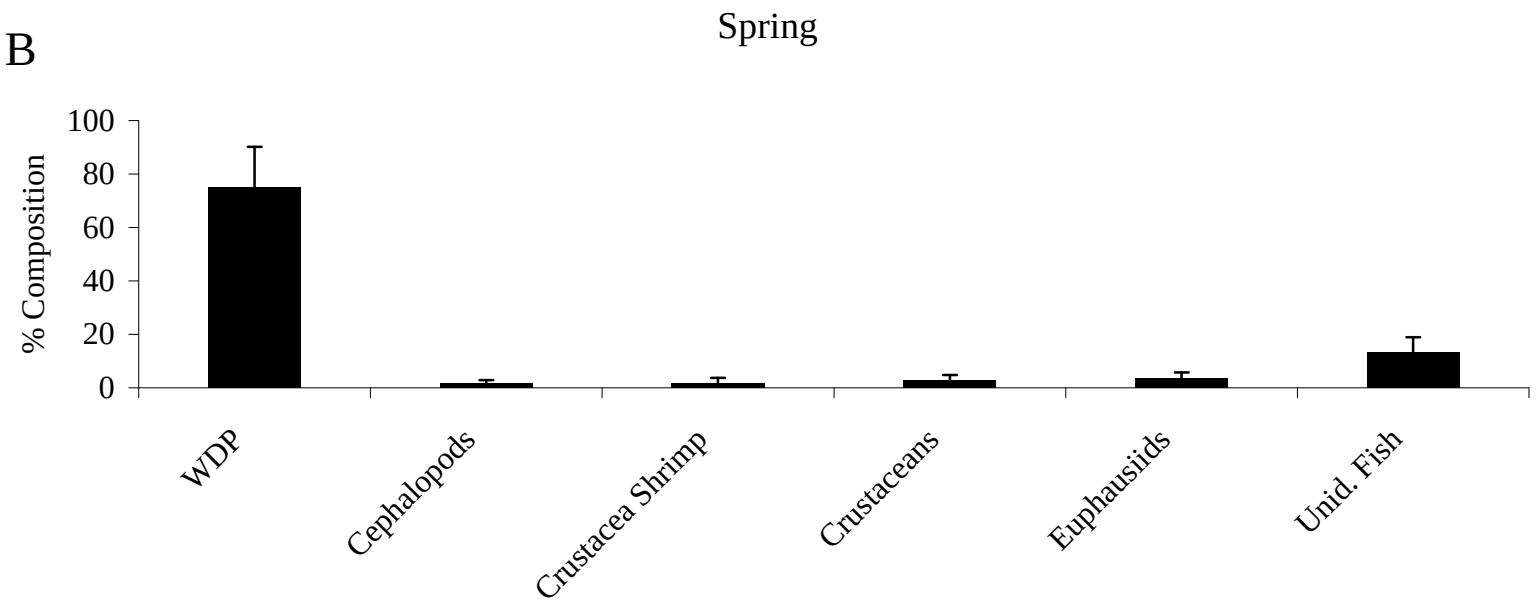

Figure 224B. Percent diet composition by weight of major prey taxa for longfin squid (*Loligo pealeii*) collected in the spring (n = 754). WDP = well-digested prey; Unid. Fish = unidentified fish.

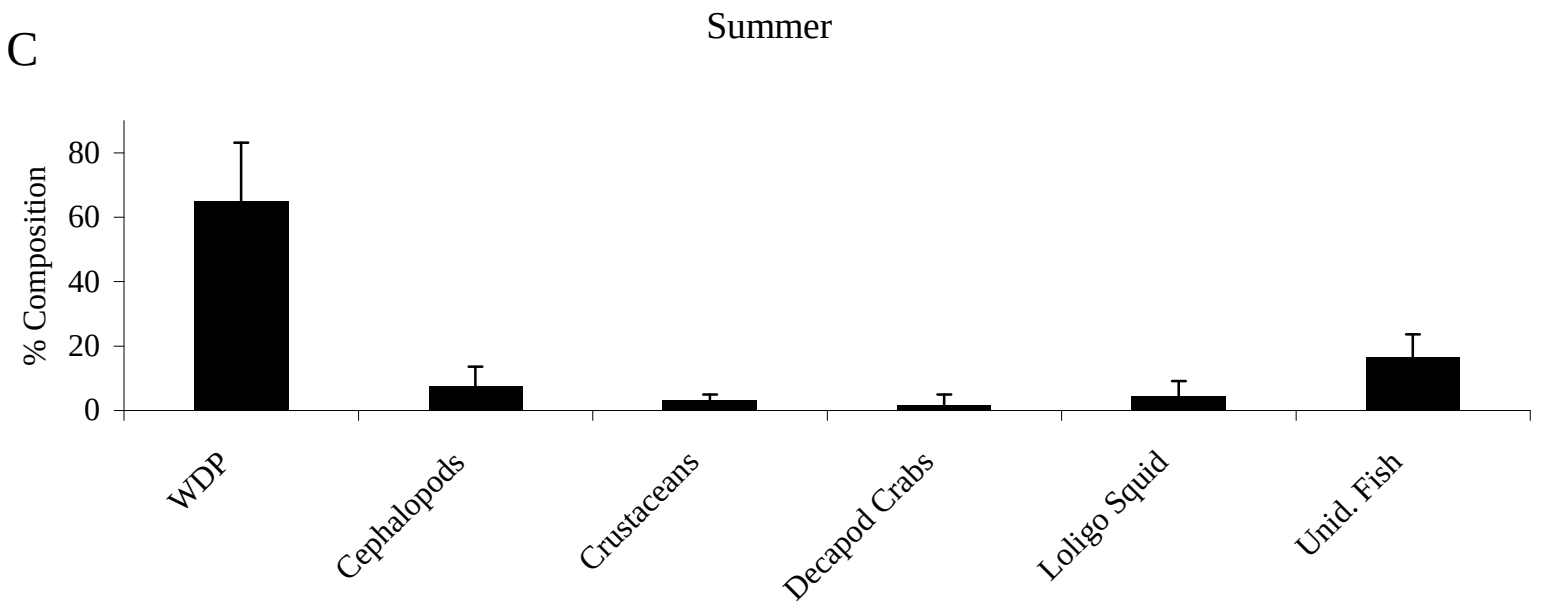

Figure 224C. Percent diet composition by weight of major prey taxa for longfin squid (*Loligo pealeii*) collected in the summer (n = 761). WDP = well-digested prey; Unid. Fish = unidentified fish.

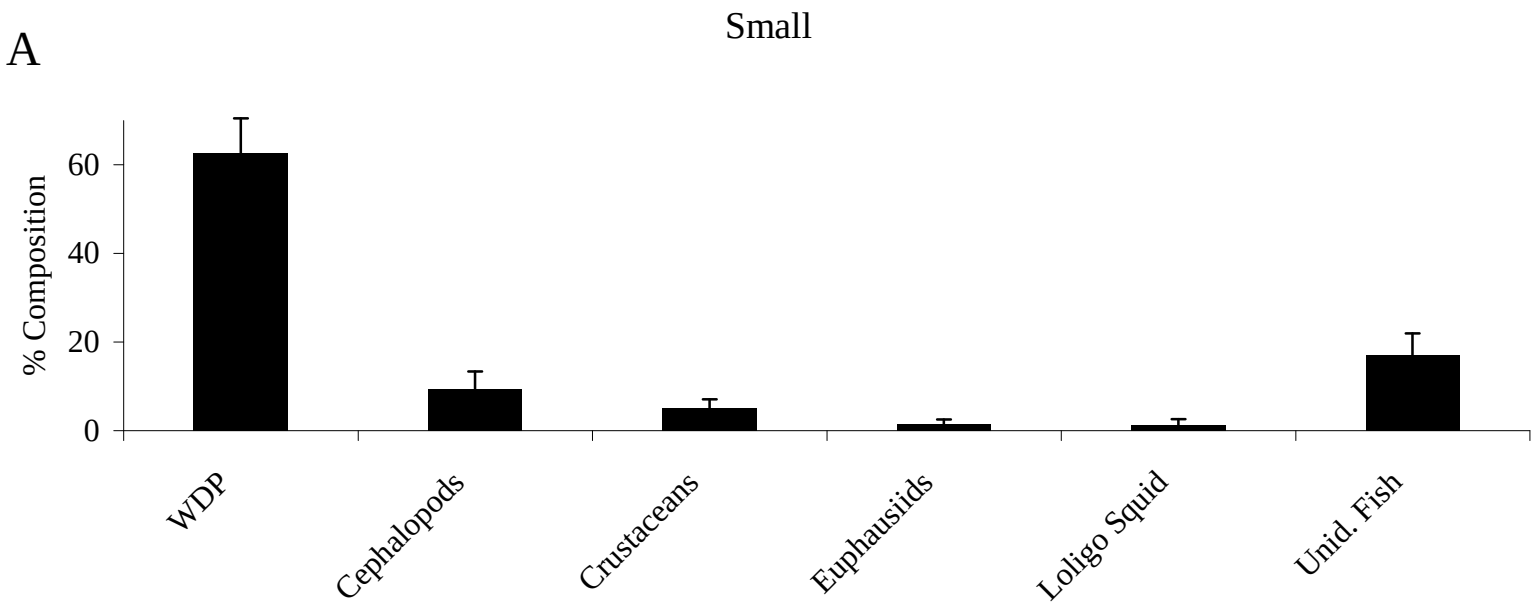

Figure 225A. Percent diet composition by weight of major prey taxa for longfin squid (*Loligo pealeii*) collected in the small size class (n = 2,188). WDP = well-digested prey; Unid. Fish = unidentified fish.

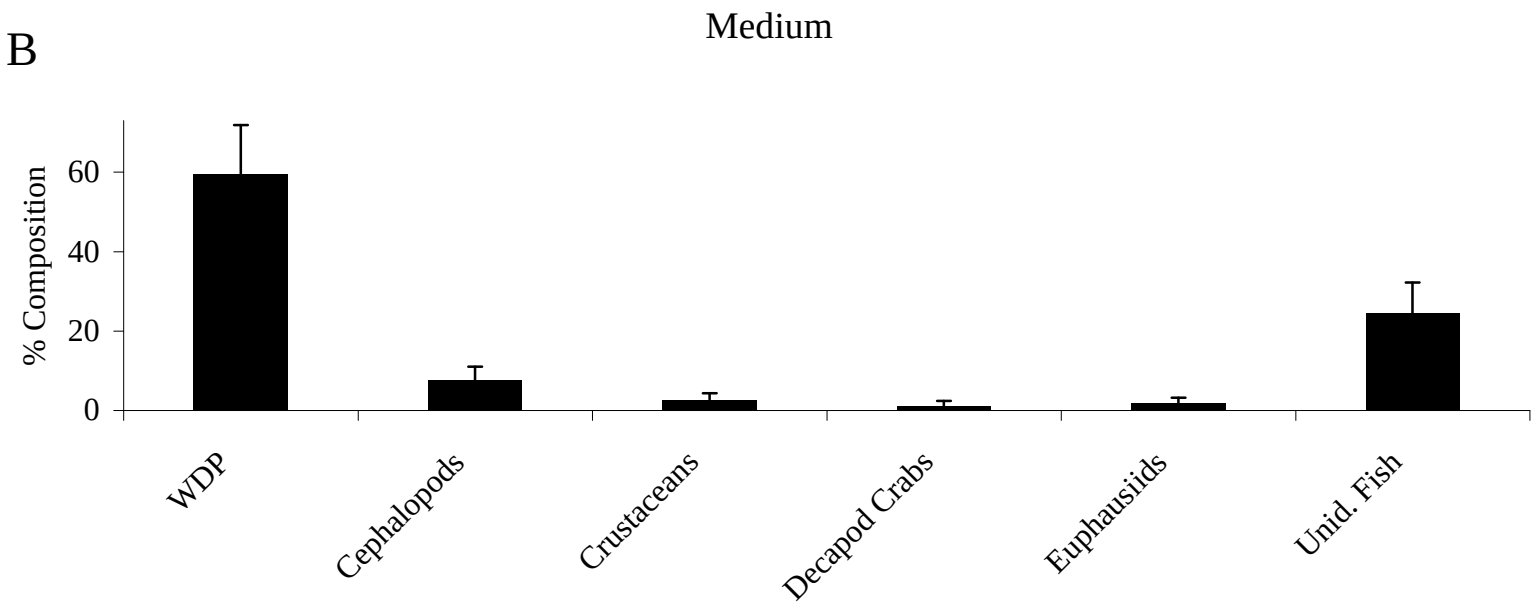

Figure 225B. Percent diet composition by weight of major prey taxa for longfin squid (*Loligo pealeii*) collected in the medium size class (n = 878). WDP = well-digested prey; Unid. Fish = unidentified fish.

Longfin squid
Northern shortfin squid
Atlantic sharpnose shark
Goosefish
Fawn cusk-eel
Ocean pout
Northern sand lance
Striped searobin
Northern searobin
Sea raven
Longhorn sculpin
Blackbelly rosefish
Acadian redfish
Spot
Weakfish
Scup
Black sea bass
Striped bass
Atlantic croaker
Bluefish
Butterfish
Atlantic mackerel
Gulf Stream flounder
Windowpane
Witch flounder
Winter flounder
Yellowtail flounder
Fourspot flounder
Summer flounder
American plaice
Atlantic halibut
Spotted hake
Red hake
White hake
Pollock
Haddock
Atlantic cod
Silver Hake
Offshore hake
American shad
Blueback herring
Alewife
Atlantic herring
Thorny skate
Smooth skate
Little skate
Rosette skate
Clearnose skate
Winter skate
Barndoor skate
Spiny dogfish
Smooth dogfish
Smooth dogfish
Spiny dogfish
Barndoor skate
Winter skate
Clearnose skate
Rosette skate
Little skate
Smooth skate
Thorny skate
Atlantic herring
Alewife
Blueback herring
American shad
Offshore hake
Silver Hake
Atlantic cod
Haddock
Pollock
White hake
Red hake
Spotted hake
Atlantic halibut
American plaice
Summer flounder
Fourspot flounder
Yellowtail flounder
Winter flounder
Witch flounder
Windowpane
Gulf Stream flounder
Atlantic mackerel
Butterfish
Bluefish
Atlantic croaker
Striped bass
Black sea bass
Scup
Weakfish
Spot
Acadian redfish
Blackbelly rosefish
Longhorn sculpin
Sea raven
Northern searobin
Striped searobin
Northern sand lance
Ocean pout
Fawn cusk-eel
Goosefish
Atlantic sharpnose shark
Northern shortfin squid
Longfin squid
Bray-Curtis Percent Similarity
80-100
60-80
40-60
20-40
0-20

Figure 226. Dietary overlap for 52 predators of the NEUS continental shelf community based on the Bray-Curtis index of similarity. Common and scientific names for the species shown include: smooth dogfish (*Mustelus canis*), spiny dogfish (*Squalus acanthias*), barndoor skate (*Dipturus laevis*), winter skate (*Leucoraja ocellata*), clearnose skate (*Raja eglanteria*), rosette skate (*Leucoraja garmani*), little skate (*Leucoraja erinacea*), smooth skate (*Malacoraja senta*), thorny skate (*Amblyraja radiata*), Atlantic herring (*Clupea harengus*), alewife (*Alosa pseudoharengus*), blueback herring (*Alosa aestivalis*), American shad (*Alosa sapidissima*), offshore hake (*Merluccius albidus*), silver hake (*Merluccius bilinearis*), Atlantic cod (*Gadus morhua*), haddock (*Melanogrammus aeglefinus*), pollock (*Pollachius virens*), white hake (*Urophycis tenuis*), red hake (*Urophycis chuss*), spotted hake (*Urophycis regia*), Atlantic halibut (*Hippoglossus hippoglossus*), American plaice (*Hippoglossoides platessoides*), summer flounder (*Paralichthys dentatus*), fourspot flounder (*Hippoglossina oblonga*), yellowtail flounder (*Limanda ferruginea*), winter flounder (*Pseudopleuronectes americanus*), witch flounder (*Glyptocephalus cynoglossus*), windowpane flounder (*Scophthalmus aquosus*), Gulf Stream flounder (*Citharichthys arctifrons*), Atlantic mackerel (*Scomber scombrus*), butterfish (*Peprilus triacanthus*), bluefish (*Pomatomus saltatrix*), Atlantic croaker (*Micropogonias undulatus*), striped bass (*Morone saxatilis*), black sea bass (*Centropristis striata*), scup (*Stenotomus chrysops*), weakfish (*Cynoscion regalis*), spot (*Leiostomus xanthurus*), Acadian redfish (*Sebastes fasciatus*), blackbelly rosefish (*Helicolenus dactylopterus*), longhorn sculpin (*Myoxocephalus octodecemspinosus*), sea raven (*Hemitripterus americanus*), northern searobin (*Prionotus carolinus*), striped searobin (*Prionotus evolans*), northern sand lance (*Ammodytes dubius*), ocean pout (*Zoarces americanus*), fawn cusk-eel (*Lepophidium profundorum*), goosefish (*Lophius americanus*), Atlantic sharpnose shark (*Rhizoprionodon terraenovae*), northern shortfin squid (*Illex illecebrosus*), and longfin squid (*Loligo pealeii*).