

area during fall migration. Most sandpipers spend about two weeks in the upper Bay, doubling their weight in preparation for a non-stop migration to wintering grounds in South America. The prey of the shorebirds is primarily the amphipod crustacean, *Corophium volutator*. Experiments were performed to test the effects of shorebird and fish predation on *Corophium* abundance and demography. In July and August, the exclusion of fish and especially shorebirds resulted in a tripling of *Corophium* biomass but a decline in abundance relative to

controls. Populations within cages were composed mainly of adults while control populations consisted mostly of small juveniles. This pattern is explained as an interaction of size-selective predation on large amphipods and intraspecific competition between adult and juvenile *Corophium*. The addition of large *Corophium* to ambient densities resulted in a decrease in the density of small *Corophium*, supporting the claim that size-selective predation mediates intraspecific competition in *Corophium*.

RECENT PUBLICATIONS ON WADERS 43

compiled by Theunis Piersma

Since we try to make these lists as complete and up to date as possible, any help is most welcome and of benefit to all our members. Send omissions, mistakes, new titles, abstracts or reprints to Theunis Piersma, Korte Nieuwstraat 4, 9724 LC Groningen, The Netherlands. For help with this issue I thank Ian Bainbridge, Nis Rattenborg and Hans Meltofte. For help with compiling issue 42, I am grateful to Ian Bainbridge, Rob Bijlsma, Meinte Engelman, Jose Angel Diego Garcia, Paul Eric Jonsson, Cor Smit and John Howes. Translated titles from languages other than English are bracketed: round brackets if the translation is by the author(s), square brackets if not.

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