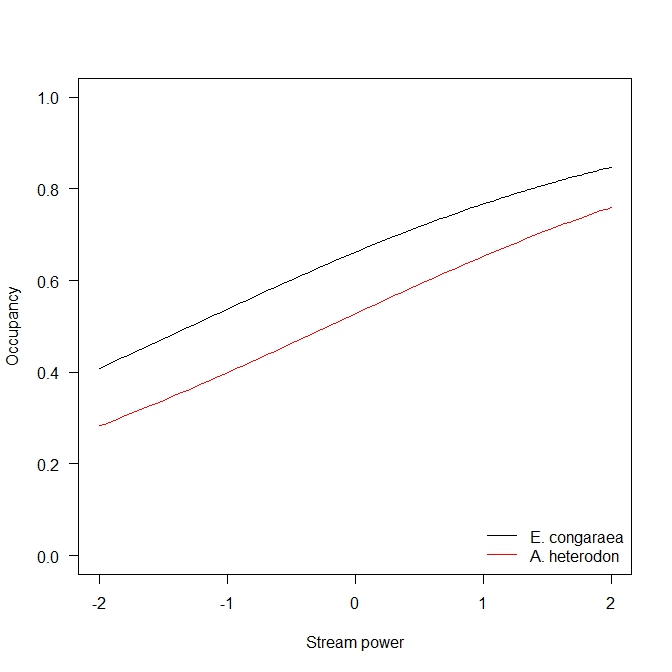


A



B

Fig. S1. Estimated responses in the occurrence probability of *Villosa constricta* and *Elliptio roanokensis* over a range of agricultural land use values (A) and *E. congaraea* and *A. heterodon* for a range of stream power values (B) in a catchment; see Model 2, Table S1 for model details.