

Table S1. Results of generalized linear mixed models (GLMMs) used to test the effect of latitude (and its quadratic term) and sampling period (before and after species introductions) on the median body size of freshwater fish assemblages [(A) assemblages from both the Northern and Southern hemispheres; (B) assemblages from the Southern hemisphere only; and (C) assemblages from the Northern hemisphere only]. We tested separately the whole set of assemblages (n = 1058) and the assemblages that had received at least one established non-native species (n = 588). A Gamma error distribution was assumed. Bold p-values are significant ($p < 0.05$).

	Whole data set			Basins with non-native species		
	Estimate	t-value	p-value	Estimate	t-value	p-value
(A) Northern and Southern hemispheres						
Sampling period	-0.024	-10.043	<0.001	-0.043	-10.403	<0.001
Latitude	0.024	3.641	<0.001	0.034	4.595	<0.001
(Latitude) ²	0.124	18.572	<0.001	0.106	14.503	<0.001
Latitude * Sampling period	0.023	7.710	<0.001	0.025	5.304	<0.001
(Latitude) ² * Sampling period	-0.015	-4.930	<0.001	-0.012	-2.595	0.010
(B) Southern hemisphere						
Sampling period	-0.049	1.586	0.114	-0.069	-7.017	<0.001
Latitude	-0.021	-1.803	0.073	0.003	0.254	0.800
Latitude * Sampling period	0.033	4.688	<0.001	0.024	2.385	0.018
(C) Northern hemisphere						
Sampling period	-0.016	-7.438	<0.001	-0.031	-7.860	<0.001
Latitude	0.159	27.690	<0.001	0.137	18.488	<0.001
Latitude * Sampling period	-0.003	-1.243	0.214	-0.002	-0.487	0.626

Figure S1. Relationship between the index of human affiliation (see calculation above) and the body size (measured as the logarithm of the total body length) of established non-native fish:

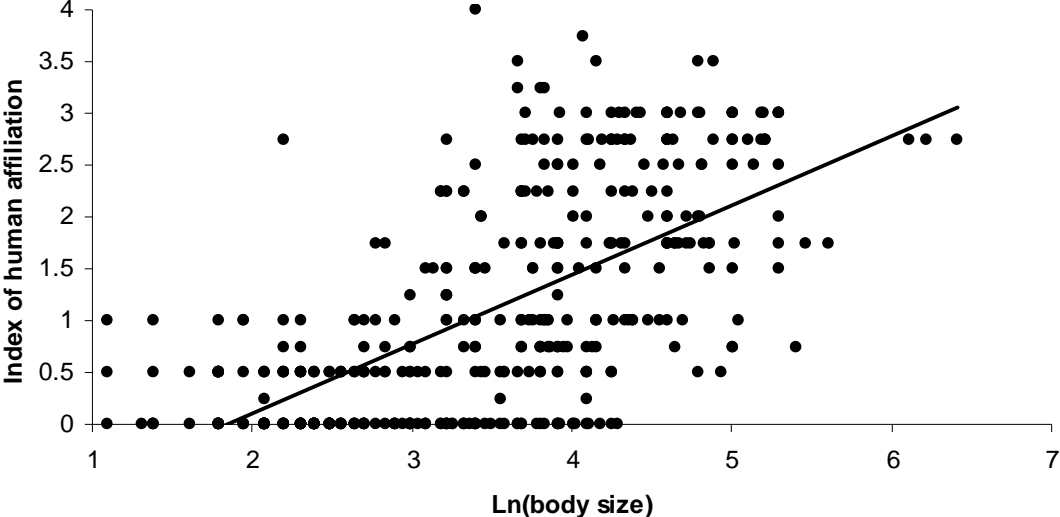


Figure S2. Median body size (measured as the body length) of freshwater fish assemblages (BSA, Ln- transformed) as a function of mean annual temperature (degrees Kelvin). Northern (black dots) and southern hemispheres (white dots) were considered separately.

