

Broad-scale patterns in local diversity of marine benthic harpacticoid copepods (Crustacea)

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Table S1. Datasets used in the analysis. For latitude/longitude co-ordinates, negative values indicate °S/°W, respectively

Region	Latitude (°)	Longitude (°)	Depth (m)		Spatial extent (km)	No. of samples	Sample size (cm ²)	Total no. of species	Source
			Min.	Max.					
Arctic Ocean									
Northern coast of Alaska	70	-148	5.65	6.95	0.10	20	6.6	28	Carey & Montagna (1982)
Spitsbergen	79	12	0.00	0.00	1.00	9	5	22	Bick & Arlt (2005)
Atlantic Ocean									
Ythan estuary, Scotland, North Sea	57.2	-1.6	0.00	0.00	0.50	3	5	13	Goodman (1979)
West coast of Scotland	57	-5	11.00	13.00	0.03	54	34	141	Olafsson & Moore (1992)
Forth estuary (Scotland)	56	-3	0.00	0.00	1.30	28	10	17	Long (1990)
Sylt, North Sea	55	8	0.00	0.00	0.03	15	6.15	14	Kuhnert et al. (2010)
North Sea	55	6	35.50	106.50	700.00	342	10	278	Huys et al. (1992)
North Sea	54.22	8.4	0.00	0.00	90.00	440	300	118	Noodt (1957)
Dutch coast, North Sea	54	8	21.00	45.00	360.00	36	10	35	Gee et al. (1992)
German Bight, North Sea	54	8	0.00	0.00	0.02	60	8.8	32	Rose & Seifried (2006)
Site at Borthwen, Rhoscolyn, Anglesey	53	-5	0.00	0.00	0.00	40	15.9	28	Jarvis & Seed (1996)
Northern Brittany and west coast of Ireland	53	-9	0.00	0.00	50.00	162	8	31	Bodin & Jackson (1987)
Oosterschelde Estuary (SW Netherlands)	52	4	0.00	41.50	42.00	196	10	97	Smol et al. (1994)
North Sea	52	4	0.00	0.00	50.00	174	10.2	26	Van Damme et al. (1984)
North Sea	52	4	0.00	0.00	40.00	81	9.1	24	Van Damme et al. (1984)
North Sea	52	4	3.25	4.75	0.20	68	10	26	Willems et al. (1984)

North Sea	51	3	5.00	21.00	76.00	78	10.2	26	Herman et al. (1985), Herman (1989)
North Sea	51	3	5.00	21.00	56.00	156	10.2	10	Herman et al. (1985), Herman (1989)
North Sea	51	3	5.00	21.00	34.00	120	10.2	5	Herman et al. (1985), Herman (1989)
North Sea	51	3	7.50	18.50	27.00	12	10.2	29	Herman et al. (1985), Herman (1989)
North Sea	51	3	7.50	18.50	50.00	16	10.2	28	Herman et al. (1985), Herman (1989)
North Sea	51	3	7.50	18.50	9.00	18	10.2	5	Herman et al. (1985), Herman (1989)
North Sea	51	3	1.75	3.25	0.02	138	10	16	Thielemans & Heip (1984)
North Sea	51	3	5.00	21.00	15.00	20	10.17	65	Willems et al. (1982a,b)
Porcupine Seabight (NE Atlantic)	51	-12	677.00	1207.00	10.00	30	10	181	Gheerardyn et al. (2009)
Tamar estuary, South West England	50	-4	0.00	0.00	12.00	36	3.8	26	Warwick & Gee (1984)
Fal estuary, southwest England	50	-5	0.00	0.00	5.00	27	10	23	Somerfield et al. (1994)
Finistere coast	48.5	-4	0.00	0.00	8.00	435	10	74	Bodin (1988)
Jamaica Bay, NY	40.4	-72.52	0.00	0.00	0.00	84	20	24	Frantz & Friedman (2002)
South Carolina (mud site)	33.2	-79	1.00	3.00	0.05	470	5.7	47	Coull & Dudley (1985)
South Carolina (sand site)	33.2	-79	1.00	3.00	0.05	470	5.7	56	Coull & Dudley (1985)
South Carolina	33.2	-79	0.75	2.25	1.00	192	5.7	59	Fleeger (1980), Coull & Fleeger (1977)
South Carolina	33	-70	2180.71	3821.29	500.00	4	n/a	n/a	Coull (1972)
South Carolina	33	-70	20.50	101.50	500.00	11	n/a	n/a	Coull (1972)
South Carolina	33	-79	0.85	2.35	1.00	60	9.6	42	Ivester (1980)
Bermuda	32	-64.2	0.00	14.50	4.00	240	9.6	61	Coull (1970)
Great Meteor Seamount	30	-28.5	740.22	3079.22	120.00	26		296	George & Schminke (2002)
Great Meteor Seamount	30	-28.5	224.50	529.50	53.00	19		33	George & Schminke (2002)
Great Meteor Seamount	30	-28.5	2427.50	4218.50	123.00	7		27	George & Schminke (2002)
Florida gulf	30	-85	1.50	3.50	0.01	24	19.2	23	Reidenauer & Thistle (1981)
Subtidal site, Florida	30	-85	1.95	3.25	0.01	4	10	20	Thistle (1980)
Gulf of Mexico	24	-91	195.50	3134.50	1200.00	215	23.7	696	Baguley et al. (2006)
Coki Bay, U.S. Virgin Islands	18	-64.5	1.50	18.50	0.30	9	50	33	Hartzband & Hummon (1974)
West coast of Barbados	13	-60	8.50	15.50	15.00	75	86	48	Snelgrove & Lewis (1989)
Rio Formoso Estuary, Pernambuco	-9	-35	0.00	0.00	7.00	80	2.8	24	Vasconcelos (2003)
Brazil	-11	-37	100.00	1300.00	100.00	36	100	164	Vasconcelos (2008)
Angola Basin, Stn 346	-16	5	5392.60	5397.61	173.78	40	72.4	125	Rose et al. (2005)
Angola Basin, Stn 325	-20	3	5419.23	5476.77	478.63	35	72.4	51	Rose et al. (2005)

Indian Ocean												
West coast of India	20	73	0.00	0.00	1.00	45	15.9	21	Ingole et al. (1990)			
East coast of India	17	82	0.00	0.00	3.00	576	10	22	Kondalarao & Murri (1988)			
Arabian Sea	15.3	73.5	0.00	0.00	18.00	117	7.06	25	Ansari & Parulekar (1993a)			
Estuary of the Mandovi River	11	73	0.00	0.00	120.00	25	15.9	29	Ansari & Parulekar (1993b)			
Arabian Sea	9	76.4	1.00	3.00	0.20	36	25	19	Arunachalam & Balakrishnan Nair (1988)			
Gazi Bay, Kenya	-4	40	0.00	0.00	0.50	36	10	115	De Troch et al. (2001)			
Zanzibar Island, Tanzania	-5.5	39.2	1.50	1.50	70.00	18	10	119	Gheerardyn et al. (2008)			
Aldabra, Indian Ocean	-9	46	0.00	0.00	41.98	12		20	Wells & McKenzie (1973)			
Inhaca Island, Mozambique	-26	33	0.00	0.00	11.00	19		120	Wells (1967)			
Pacific Ocean												
Washington, Pacific	70	-148	6.00	8.00	0.10	12	1200	27	Thom & Nakatani (1980)			
Alaska	60	-151	1.00	3.00	42.00	47	196	59	Hines & Ruiz (2000)			
Herring Bay, Alaska	58	-135	0.00	0.00	1.00	140	5.5	42	Fleegeer et al. (1996)			
Alaska	58	-135	30.50	51.50	1.00	71		35	Fleegeer et al. (1989), Fleegeer & Shirley (1990)			
Washington, Pacific	48	-123	0.00	0.00	0.10	500	180	78	Simenstad et al. (1991)			
Washington, Pacific	47	-123	0.00	0.00	2.00	20	28	32	Simenstad et al. (1988)			
Pacific northwest	47	-124	0.00	0.00	0.50	20	180	34	Simenstad & Fresh (1995)			
Continental slope off central California	36.5	-123	3604.31	3607.26	0.07	20	35.7	67	Sedlacek (2007), Thistle et al. (2006)			
Sagami Bay, central Japan	35	139	1409.50	1454.50	1.00	15	52.8	104	Shimada et al. (2000)			
San Diego Trough	33	-117	1218.50	1225.50	0.36	14	100	140	Thistle (1978)			
Fieberling Guyot	32	-128	583.00	585.00	0.02	8	112.5	40	Thistle & Levin (1998)			
Fieberling Guyot, west of San Diego	32	-129	585.50	636.50	2.30	10.33	112.5	45	Thistle (1998)			
Central North Pacific	28	-155	5480.50	5781.50	20.00	10	2500	57	Hessler & Jumars (1974)			
North-western Mexico	23	-106	3.00	9.00	11.00	90	7	37	Morales Serma et al. (2006)			
South China Sea	20.43	107.3	0.00	0.00	40.00	60	3	53	Chertoprud et al. (2012)			
South China Sea	12	109	0.50	27.50	40.00	33	2	37	Chertoprud et al. (2009)			
East Pacific Rise	10	-104	2450.50	2551.50	150.00	9	20	5	Gollner et al. (2006)			
Galapagos	-1	-90	0.00	0.00	230.00	49	20	90	Mielke (2003)			
French Polynesia	-22	-139	9.50	38.50	6.00	48	5.7	42	Villiers & Bodiou (1996)			
Easter Island, southern Pacific	-27	-109	0.00	0.00	15.00			14	Goddard (2003)			
Cook Strait	-32	149	0.50	11.50	5.00	154	10	67	Hicks (1977)			
Pauatahanui Inlet, New Zealand	-41	175	0.00	0.00	0.25	156	4.15	30	Hicks (1986)			
Pauatahanui Inlet, New Zealand	-41	175	0.00	0.00	3.00	20	4.15	14	Iwasaki (1993)			
South-eastern Tasmania	-43	148	0.00	0.00	0.01	16	5.3	17	Warwick et al. (1990)			
Antarctic												
Magellan region	-54.5	-68.5	79.00	1168.00	600.00	69	25	122	George (2005)			

Enclosed and semi-enclosed seas										
White Sea	67	34	0.00	0.00	0.00	0.10	90	1.8	17	Chertoprud & Azovsky (2006)
White Sea	66	33	0.00	0.00	0.00	0.00	80	1	13	Azovsky & Chertoprud (2003)
White Sea	66	33	0.00	0.00	0.00	85.00	52	1.8	41	Chertoprud et al. (2006)
White Sea	66	33	0.00	0.00	0.00	0.00	40	4	9	Chusova (1980)
White Sea	66	33	0.00	0.00	0.00	15.00	30	2	26	Rybnikov et al. (2003)
Baltic Sea and Kattegat	55	14	7.50	40.50	340.00	42	4	3	41	Arlt (1983)
Baltic Sea	55	12	20.50	25.50	200.00	4	4	25.5	31	Folkers & George (2011)
Baltic Sea	54.35	10.3	16.00	16.00	0.04	80	80	10	33	Schneibel & Rumohr (1979)
Baltic Sea	54	10	3.00	5.00	2.00	141	141	100	52	Anger & Scheibel (1976)
Black Sea	46.5	31	5.75	23.25	7.00	135	135	10	38	Garlitska (2010)
Black Sea	46	33	3.30	16.30	30.00	12	12	100	43	Garlitska (2010)
Black Sea	46	31	13.80	28.80	20.00	14	14	500	17	Garlitska (2010)
Black Sea	45.5	31	0.30	100.10	160.00	16	16	80	37	Garlitska (2010)
Black Sea	45	30	8.60	44.60	50.00	27	27	15	16	Garlitska (2010)
Adriatic Sea, Gulf of Trieste	46	14	1.50	13.50	11.00	11	11	3.14	47	Vrizer & Grego (2005)
Adriatic Sea, Po River delta, Italy	44.8	12.3	3.25	4.75	0.05	8	8	6.28	15	Colangelo et al. (1996)
Adriatic coast of Italy	44.6	12.2	1.05	3.55	0.03	35	35	3.14	11	Cristoni et al. (2004)
Northern Adriatic Sea, Italy	44.6	12.2	1.05	3.55	0.03	28	28	3.14	23	Guerrini et al. (1998)
Mediterranean Sea	43.2	5.2	3.00	9.00	70.00	17	17	50	43	Bodin (1964)
Caspian Sea	38.5	48.5	0.00	0.00	1.00	24	24	2	6	Chertoprud & Kornev (2005)

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