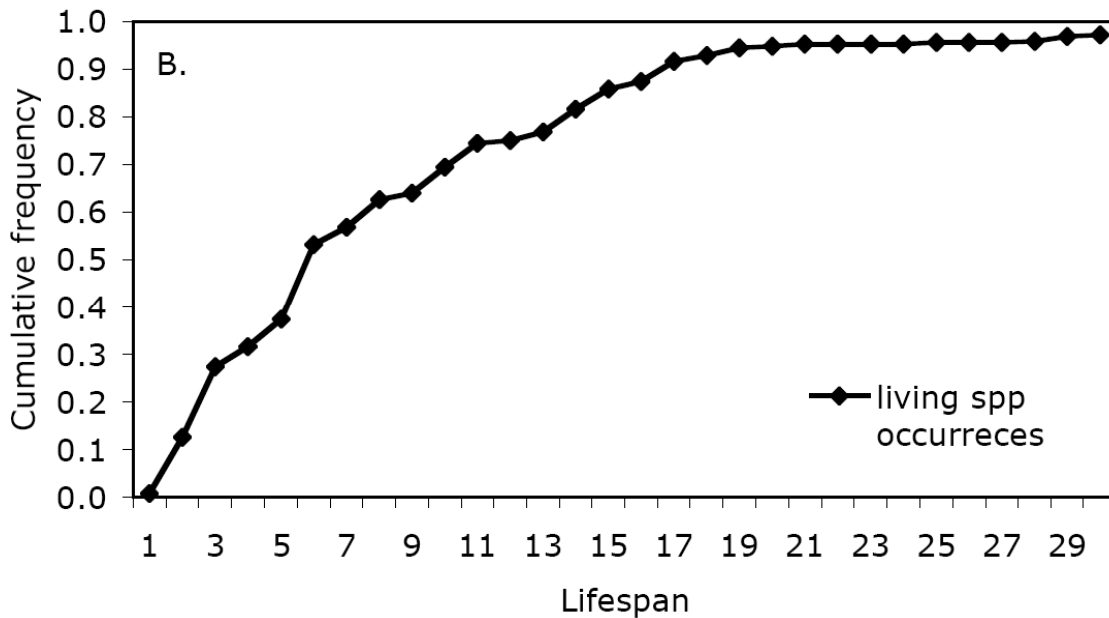
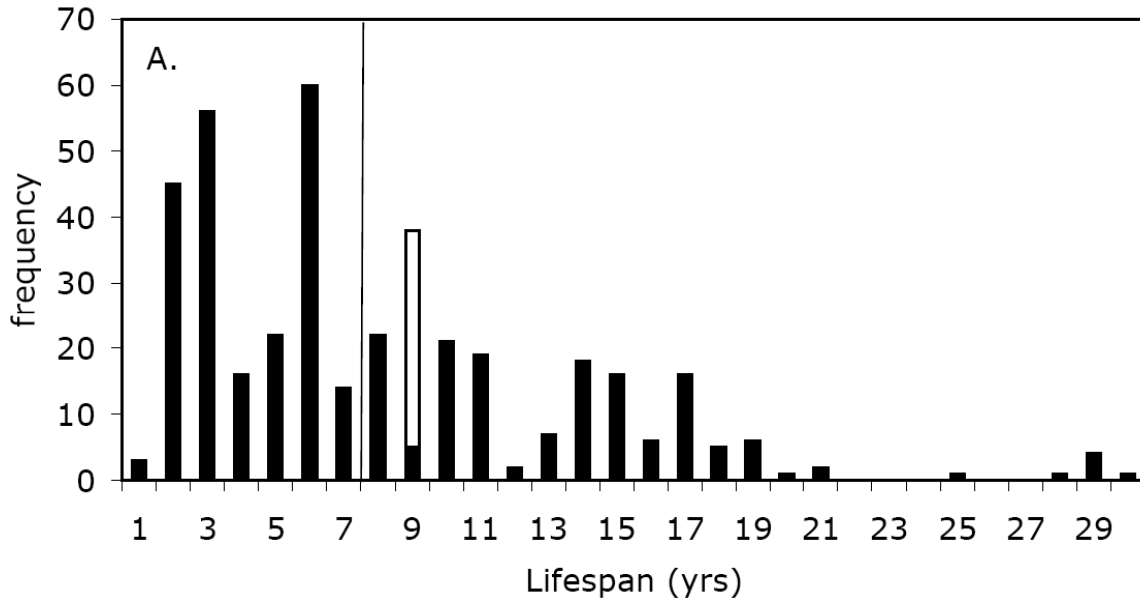


Supplemental Online Material for
S. M. Kidwell and T. A. Rothfus, 2010. The living, the dead, and the expected dead: little
bias of proportional abundances in bivalve death assemblages from variation in lifespan.
Paleobiology 36(4)

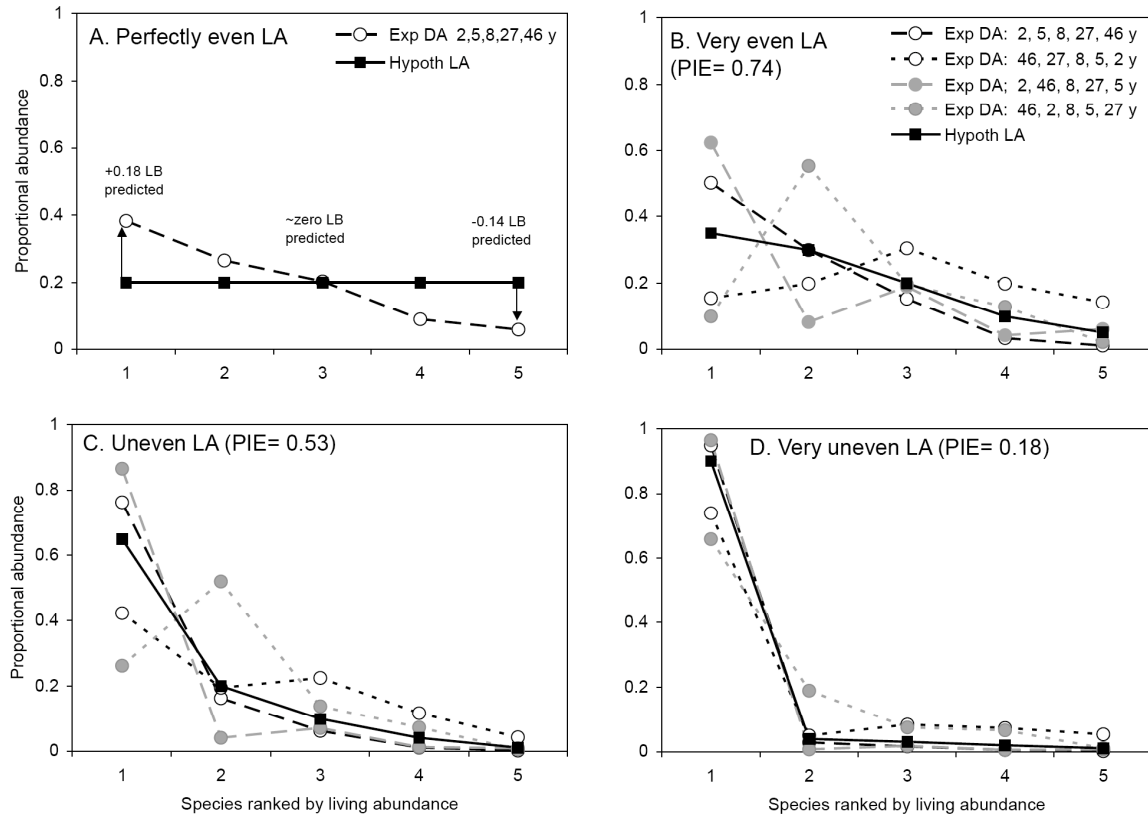
Submitted April 27, 2010

This supplement consists of 7 supplemental figures and 2 supplemental tables.
Supplemental Table 1 = information on datasets of living and dead abundances, gathered
from other authors
Supplemental Table 2 = raw published data on bivalve maximum lifespans (global
compilation)

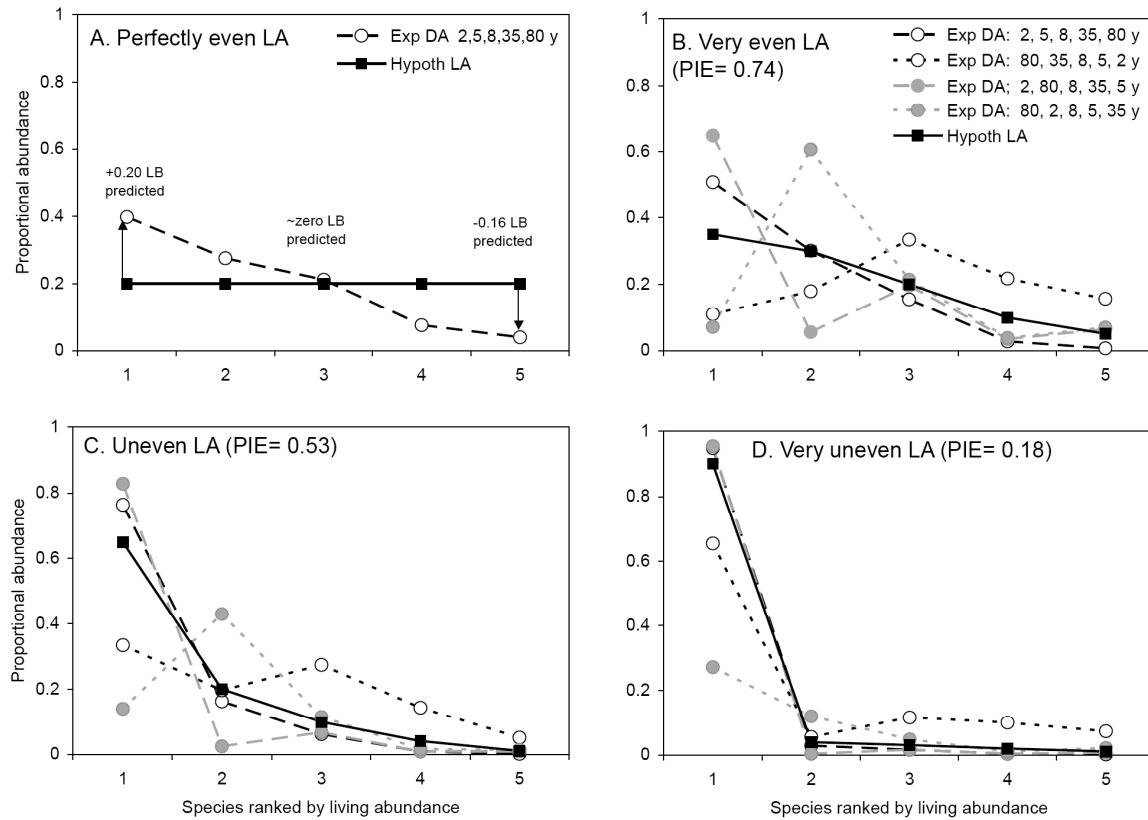
SUPPLEMENTAL FIGURE 1. Histogram (A) and cumulative percentage plot (B) of the frequency of species lifespans in the abundance database, in increments of one year. Calculations are based on all 413 living species occurrences in the abundance database, but only results for lifespans up to 30 years are displayed (comprise 97% of occurrences; maximum lifespan ranges up to 75 years). In A, the white bar at 9 years denotes species occurrences (33 total) that were assigned this lifespan as a default (no documented lifespan for that species or for any species in its genus or family). These occurrences are not included in the calculations for B.



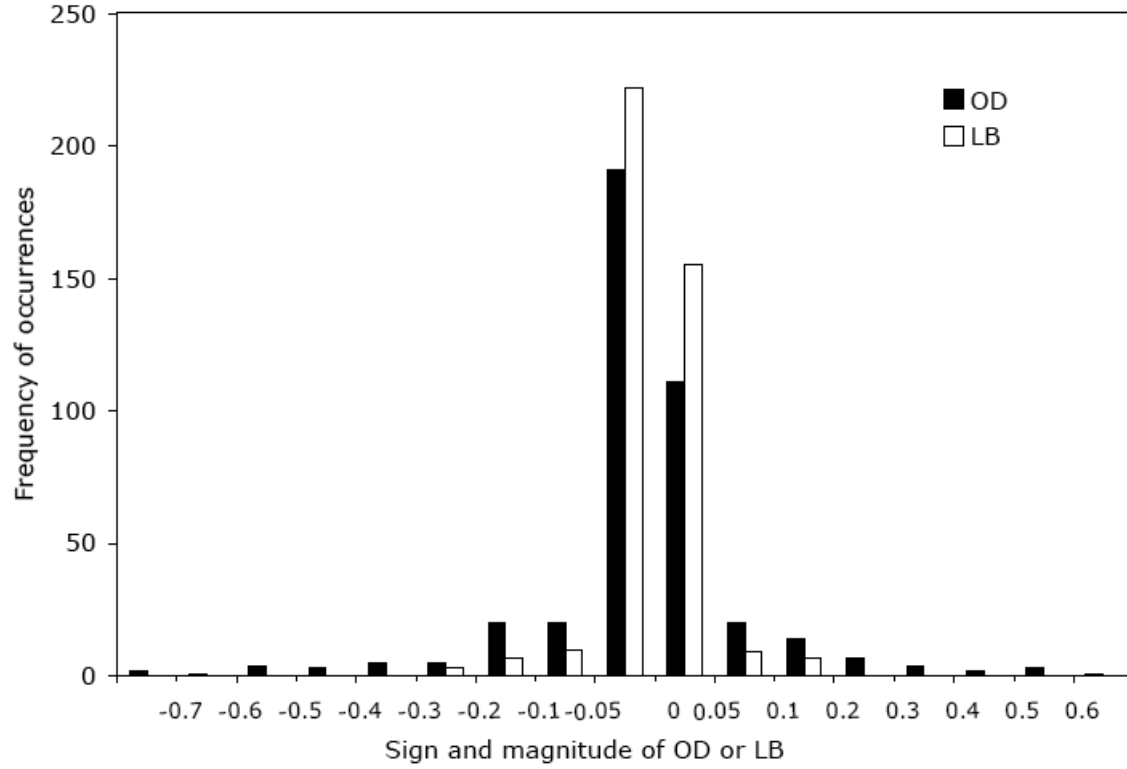
SUPPLEMENTAL FIGURE 2. Additional simulations of expected death assemblages (exp DA) for the various hypothetical living assemblages (hypoth LA) in Text-figure 1, using an approximately 40-fold variation in lifespan (the set 2, 5, 8, 35, and 75 years), which reflects the minimum, median, and maximum lifespans in the dataset that shows the largest spread in lifespan among the 30 datasets analyzed (San Juan Channel shell gravel; see Supplemental Table 1). Larger values of ILBI are generated than when lifespans vary by 10-fold (Text-Figure 1), but switching in rank abundance between the LA and the expected DA still occurs largely among the most abundant species in the LA and the effects of LB are moderated as the evenness of the LA decreases.



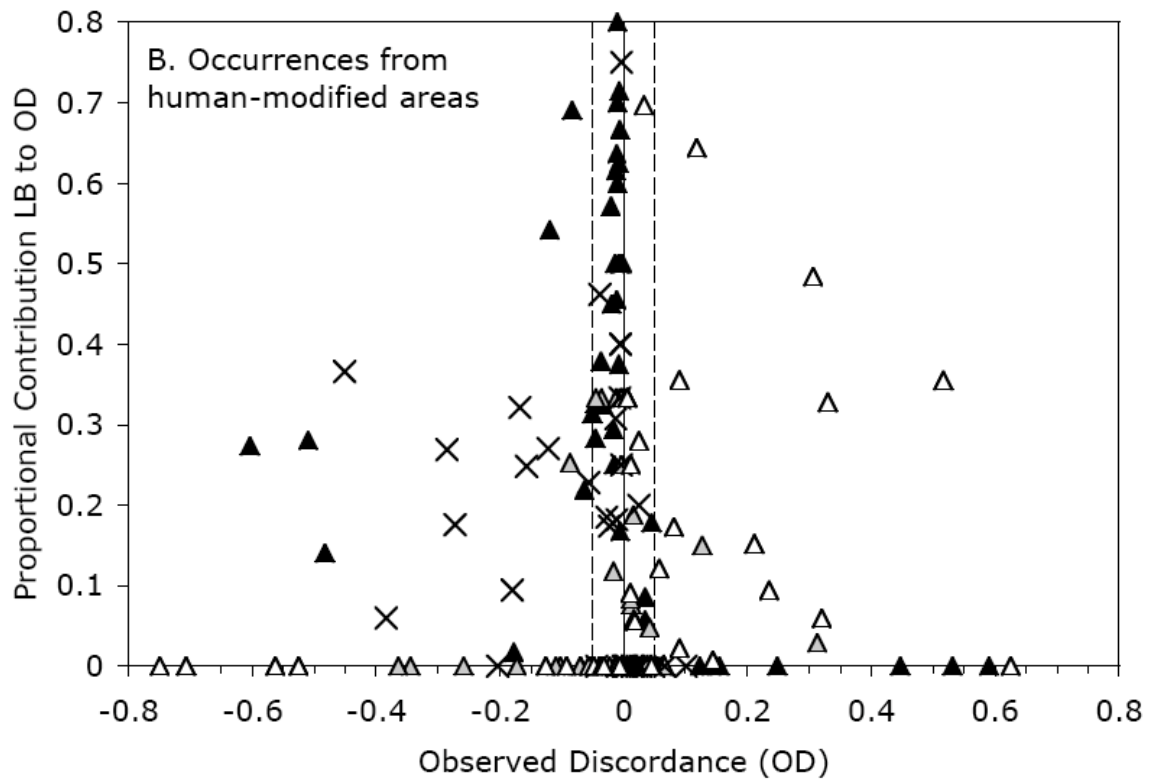
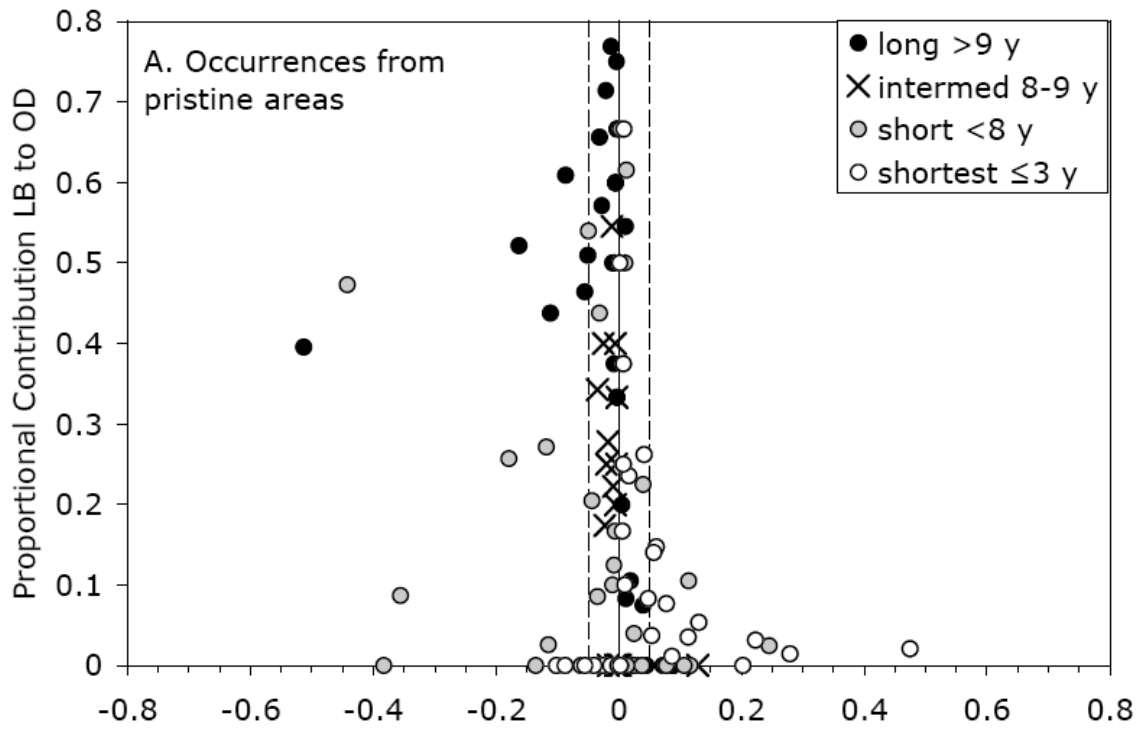
SUPPLEMENTAL FIGURE 3. Additional simulations of expected death assemblages (exp DA) for the various hypothetical living assemblages (hypoth LA) in Text-figure 1, using an approximately 80-fold variation in lifespan (the set 1, 3, 8, 35, and 75 years), which reflects the minimum, first mode, median, and maximum lifespans in the entire abundance database (see Supplemental Figure 1). Only slightly larger values of ILBI are generated than when lifespans vary by 40-fold (Supplemental Figure 2). Switching in rank abundance between the LA and the expected DA still occurs largely among the most abundant species in the LA and the effects of LB are moderated as the evenness of the LA decreases.



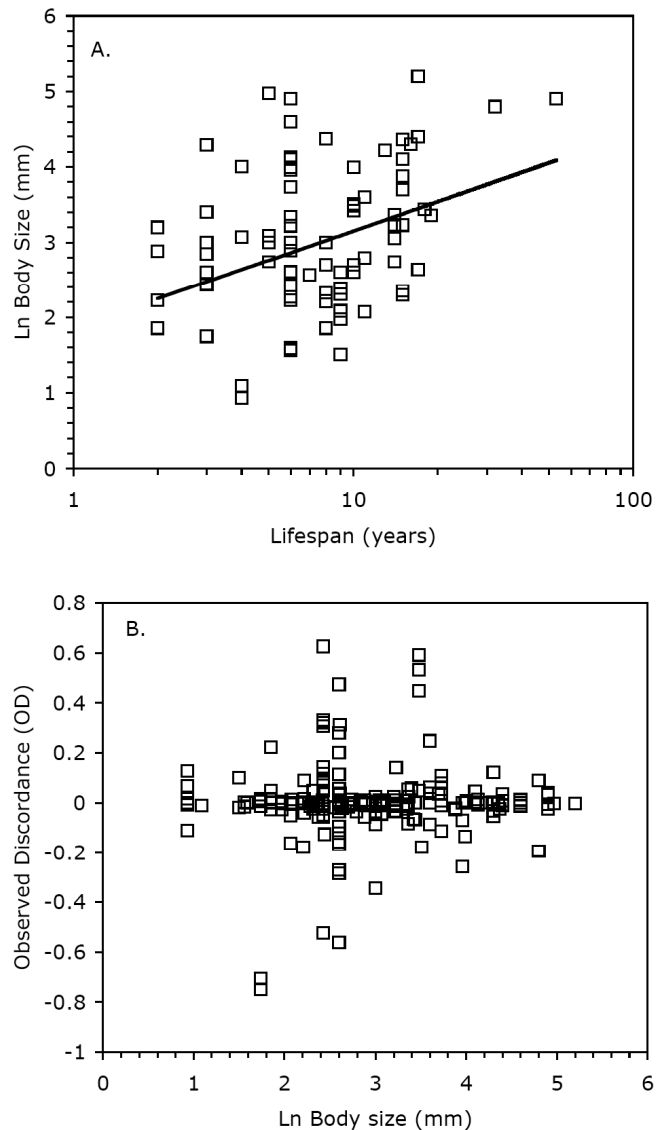
SUPPLEMENTAL FIGURE 4. A. Frequency distribution of observed discordance (OD) and lifespan bias (LB) using the same data as plotted in Text-figure 2 (all 413 living species occurrences). Note expansion in scale to increments of 0.01 around zero. B. Cumulative proportional frequency of OD and LB.



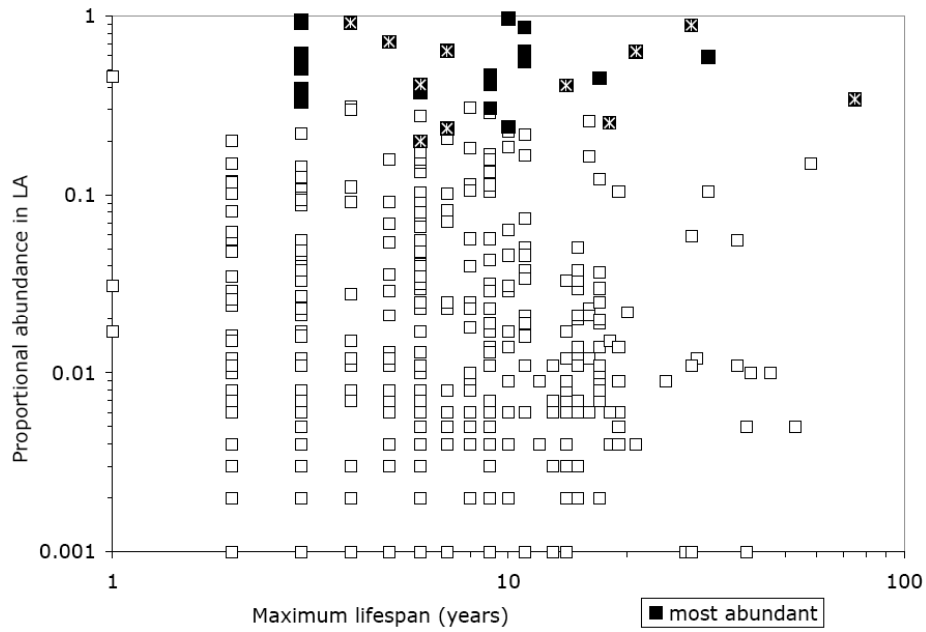
SUPPLEMENTAL FIGURE 5. Results of Text-figure 5 parsed according to degree of human activities in the study area. A. Species occurrences from pristine areas. B. Species occurrences from areas subject to human activities.



SUPPLEMENTAL FIGURE 6. A. Among the 85 unique bivalve species (out of 205 unique species in the abundance database) for which we have data from the literature, body size tends to increase with lifespan (trend line is approximate). Body sizes range from 2.5 to 181 mm, where size is the geometric mean of width and height of the largest reported specimens in the global literature. The lifespans of these species range from 2 to 53 years, using data from our lifespan database. Linear regression of ln body size and ln lifespan, coefficient = 0.52, $p = 0.001$, adjusted $r^2 = 0.11$. A rank-order test of the same data yields Spearman rho = 0.29, $p = 0.007$. B. OD is not correlated significantly with body size among the 228 species occurrences for which we have body size data (Spearman rank-order test rho = 0.005).



SUPPLEMENTAL FIGURE 7. Log-log version of the plot of living proportional abundance and lifespan in Text-Figure 7, showing lack of correlation among the 413 living species occurrences. Black icons = most abundant species in a dataset; superposed white asterisks denote dataset is from a pristine study area.



SUPPLEMENTAL TABLE 1. Summary features of the 30 datasets of living and dead bivalve species abundances used to build the abundance database, drawn from live-dead studies conducted by other authors in subtidal habitats of coastal embayments or the open continental shelf. Datasets are listed by degree of suspected modification from anthropogenic eutrophication (AE) and bottom trawling (BT; see Kidwell 2007 for sources of information on human impacts). AE0 = no extra input of nutrients; AE0.5 = possible input from watershed; AE1 = definite input, e.g. from agriculture, coastal industry or urban areas; AE1.5 = definite input and possibly severe; AE2 = severe or near point source. BT0 = no commercial exploitation of demersal fin- and shellfish or only artisanal methods with minimal damage to habitat and negligible bycatch; BT0.5 = bottom trawling might be active but uncertain; BT1 = commercial fishery using heavy gear; BT2 = especially intense commercial trawling of the seafloor, e.g. every year or more than once a year. For studies where the original author sampled the living assemblage repeatedly, we used the census that yielded the largest number of living individuals (e.g., “LA 4” indicates this was the fourth census in the series). These 30 datasets constitute all available live-dead molluscan datasets containing at least 100 living bivalve individuals after pooling of all available raw samples from the habitat, with each habitat constituting a lithologically homogeneous area within the study. Many well-known live-dead studies that have been included in other meta-analyses (e.g., Kidwell 2001, 2007) are not included here because their bivalve LA did not reach this minimal sample size in a single sampling of the habitat. S denotes number of species; those species constituting at least 0.001 of the LA were included in the analysis, and generate the analytical S of the dataset (contrasted with the raw S of that dataset). N denotes number of bivalve individuals in the raw LA. PIE = evenness in distribution of individuals among species, based on Hurlbert 1971. Minimum and maximum lifespans encountered in the analytical LA and in the raw LA. The quality of information (“knowledge”) of lifespans for a dataset is expressed as the proportion of species whose lifespan is estimated on the basis of published data for that species as opposed to data on congeneric or confamilial species.

Study area and seafloor type	Lead author	Setting	AE score	BT score	Mesh size (mm)	Latitude (°N)	LA analytic S (only species constituting ≥ 0.001 of raw sampled LA)	LA raw S (includes species rarer than 0.001)	LA raw N	LA raw PIE	DA raw S	DA raw N	DA raw PIE
Pristine areas, processed using coarse-mesh >1 mm:													
Laguna Madre shelly sand	Smith	Embay	0	0	5	26.5	16	16	1647	0.47	12	735	0.30
Lower Laguna Madre sand	Smith	Embay	0	0	5	26.5	19	19	175	0.89	18	366	0.82
Mugu Lagoon sand (LA census 5)	Peterson	Embay	0	0	2	34	13	13	1925	0.56	29	3786	0.67
San Juan Strait shell gravel	Kowalewski	Open	0	0	2.3	48.5	23	23	827	0.82	31	4669	0.84

Yucatan backreef gravelly	Ekdale	Embay	0	0	3	21	21	21	378	0.79	77	12328	0.90
Yucatan lagoon sandy mud	Ekdale	Embay	0	0	3	21	23	23	981	0.86	62	29710	0.89
Yucatan Strait shell gravel	Ekdale	Open	0	0	3	21	12	21	5087	0.16	75	68052	0.65
Pristine areas, processed using fine-mesh ≤1 mm:													
Mannin Bay algal bank	Bosence	Embay	0	0	0.5	53	14	14	242	0.76	21	895	0.86
Mannin Bay clean algal gravel	Bosence	Embay	0	0	0.5	53	17	20	2129	0.21	35	3678	0.81
Mannin Bay fine sand	Bosence	Embay	0	0	0.5	53	13	13	243	0.57	36	1248	0.87
Mannin Bay muddy algal gravel	Bosence	Embay	0	0	0.5	53	22	22	339	0.84	26	1950	0.70
Human-modified areas, all mesh sizes:													
Tijuana Slough sand (LA census 5)	Peterson Garcia-	Embay	0.5	0	2	32.5	13	13	571	0.58	22	691	0.78
Laguna Chica mud	Cubas	Embay	1	0	1.5	20	8	8	404	0.25	15	1006	0.72
Tomales Bay mud	Johnson	Embay	0.5	0.5	1.5	38	11	11	271	0.57	24	10156	0.05
Tomales Bay muddy sand	Johnson	Embay	0.5	0.5	1.5	38	11	11	162	0.77	16	66	0.88
Tomales Bay sand	Johnson	Embay	0.5	0.5	1.5	38	10	10	176	0.69	15	54	0.83
Chesapeake Bay eelgrass	Jackson	Embay	1	0.5	1	37.5	10	10	396	0.73	12	568	0.85
West Bay muddy sand	White	Embay	1	0.5	1	29.5	16	16	419	0.73	33	1992	0.68
West Bay sand	White	Embay	1	0.5	1	29.5	10	10	260	0.64	24	1074	0.33
West Bay sandy mud	White	Embay	1	0.5	1	29.5	14	14	350	0.81	30	833	0.75
Corpus Christi shelf sand	White	Open	0	2	0.5	27.5	11	15	3112	0.10	57	34357	0.55
Corpus Christi shelf sandy mud (LA census 4)	Staff	Open	0	2	1	27.5	20	20	988	0.17	47	7986	0.91
Laguna Pueblo Viejo mud	Reguero	Embay	2	0	1.5	22	7	7	122	0.63	10	3168	0.61
Galveston shelf shelly muddy sand	White	Open	1	2	0.5	29.5	14	14	125	0.85	66	31541	0.78
Plymouth Sound shell gravel (LA census 1)	Carthew	Open	1	2	2	50	10	11	4818	0.06	44	14817	0.37
Rhodes shelf silty sand (LA census Summer)	Zenetos	Open	2	1	0.5	36	37	37	175	0.91	25	167	0.92
Small datasets (S <7), all areas and mesh sizes:													
Laguna Camaronera shell gravel	Reguero	Embay	1	0	1.5	19	4	4	139	0.12	18	1460	0.61
Laguna Pueblo Viejo muddy sand	Reguero	Embay	2	0	1.5	22	4	4	98	0.48	8	4587	0.60
Laguna Alvarado sand	Reguero	Embay	2	0	1.5	19	4	4	350	0.57	9	4278	0.46
Laguna Alvarado shell gravel	Reguero	Embay	2	0	1.5	19	6	6	1238	0.72	9	45013	0.32

Total	30 datasets	413 living species occurrences	430	28147		[384 dead- only]	286661	
Median		13	13.5	364	0.64		1971	0.732

Pooling of multiple samplings of LA:

Mugu Lagoon sand (pool 7 samplings of LA over 24 mo, 1 sampling of DA)	Peterson	Embay	0	0	2	34	15	21	9463	0.46	29	3786	0.67
Tijuana Slough sand (pool 7 LAs over 24 mo, 1 of DA)	Peterson	Embay	0.5	0	2	32.5	18	19	2981	0.64	22	691	0.78
Corpus Christi shelf sandy mud (pool 9 LAs over 14 mo, 1 final DA)	Staff	Open	0	2	1	27.5	36	48	3801	0.73	42	7325	0.83
Plymouth Bay shell gravel (pool 4 LAs over 7 mo, 1 DA)	Carthew	Open	1	2	2	50	14	17	8396	0.16	53	37965	0.37
Rhodes shelf silty sand (pool 4 LAs over 9 mo)	Zenetos	Open	2	1	0.5	36	55	55	462	0.90	25	167	0.92

Study area and seafloor type	Min, max lifespan (years), analytic LA	Min, max lifespan (years), raw LA	Median lifespan (years), raw LA	Proportion of lifespans known for species	Proportion of lifespans known for genus	top-ranked species in LA & its maximum lifespan (y)
Pristine areas, processed using coarse-mesh >1 mm:						
Laguna Madre shelly sand	3, 19	2, 19	8	0.16	0.42	Anomalocardia cuneimeris 5
Lower Laguna Madre sand	2, 19	2, 19	6	0.19	0.33	Chione cancellata 6
Mugu Lagoon sand (LA census 5)	4, 53	2, 53	10	0.20	0.23	Cryptomya californica 21
San Juan Strait shell gravel	2, 75	2, 75	16	0.31	0.29	Modiolus modiolus 75
Yucatan backreef gravelly	2, 38	2, 41	5	0.09	0.21	Transennella cubaniana 14
Yucatan lagoon sandy mud	2, 18	2, 41	5	0.06	0.26	Carditamera floridana 18
Yucatan Strait shell gravel	2, 18	2, 44	5	0.11	0.23	Ervilia nitens 4

**Pristine areas, processed using fine-mesh
≤1 mm:**

Mannin Bay algal bank	2, 14	1, 27	7	0.61	0.04	Musculus discors 6
Mannin Bay clean algal gravel	2, 29	1, 27	10	0.41	0.14	Goodallia triangularis 29
Mannin Bay fine sand	2, 19	1, 27	7	0.51	0.11	Thyasira flexuosa 7
Mannin Bay muddy algal gravel	2, 19	1, 28	9	0.53	0.10	Kurtiella bidentata 7

Human-modified areas, all mesh sizes:

Tijuana Slough sand (LA census 5)	3, 32	2, 32	8.5	0.18	0.32	Nuttallia nuttallii 32
Laguna Chica mud	2, 17	2, 18	6	0.27	0.40	Cyrenoida floridana 11
Tomales Bay mud	1, 21	1, 25	9	0.38	0.31	Lyonsia californica 9
Tomales Bay muddy sand	1, 17	1, 25	10	0.39	0.17	Lyonsia californica 9
Tomales Bay sand	1, 17	1, 53	10.5	0.28	0.28	Cadella nuculoides 17
Chesapeake Bay eelgrass	3, 46	3, 46	8.5	0.29	0.24	Amygdalum papyrium 6
West Bay muddy sand	2, 19	2, 19	9	0.22	0.28	Mulinia lateralis 3
West Bay sand	3, 19	3, 19	7	0.19	0.27	Mulinia lateralis 3
West Bay sandy mud	3, 15	2, 15	7	0.22	0.16	Mulinia lateralis 3
Corpus Christi shelf sand	2, 14	1, 18	6	0.16	0.26	Abra aequalis 3
Corpus Christi shelf sandy mud (LA census 4)	2, 40	1, 46	6	0.22	0.24	Abra aequalis 3
Laguna Pueblo Viejo mud	3, 17	3, 18	6	0.40	0.30	Cyrenoida floridana 11
Galveston shelf shelly muddy sand	2, 17	1, 23	8	0.19	0.24	Saccella concentrica 9
Plymouth Sound shell gravel (LA census 1)	2, 15	2, 40	9	0.34	0.18	Spisula elliptica 10
Rhodes shelf silty sand (LA census Summer)	2, 29	1, 45	9	0.23	0.25	Nuculana fragilis 10

**Small datasets (S <7), all areas and mesh
sizes:**

Laguna Camaronera shell gravel	3, 17	2, 18	6	0.22	0.22	Mulinia lateralis 3
Laguna Pueblo Viejo muddy sand	3, 17	3, 18	6	0.40	0.30	Cyrenoida floridana 11
Laguna Alvarado sand	3, 10	3, 15	6	0.33	0.56	Hormomya exustus 3
Laguna Alvarado shell gravel	3, 15	3, 15	6	0.33	0.50	Polymesoda caroliniana 6

Total

Median	(2, 18.5)	2, 26	7	0.25	0.25	
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Pooling of multiple samplings of LA:

Mugu Lagoon sand (pool 7 samplings of LA over 24 mo, 1 sampling of DA)	3, 53	2, 53	10	0.29	0.38	<i>Cryptomya californica</i>
Tijuana Slough sand (pool 7 LAs over 24 mo, 1 of DA)	3, 53	2, 53	9	0.26	0.42	<i>Nuttallia nuttallii</i>
Corpus Christi shelf sandy mud (pool 9 LAs over 14 mo, 1 final DA)	2, 46	11, 46	6	0.23	0.33	<i>Abra aequalis</i>
Plymouth Bay shell gravel (pool 4 LAs over 7 mo, 1 DA)	2, 20	2, 40	9	0.37	0.17	<i>Parvicardium scabrum</i>
Rhodes shelf silty sand (pool 4 LAs over 9 mo)	2, 38	1, 45	9	0.27	0.25	<i>Nuculana fragilis</i>

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SUPPLEMENTAL TABLE 2. Database of published maximum lifespans of marine and estuarine bivalve species, in years, used to estimate the maximum lifespans of species in 30 live-dead datasets (Supplemental Table 1). Full references at end of this file. Lifespan data were gathered from (1) fully referenced secondary compilations (Comfort 1957; Robertson 1979; Powell and Cummins 1985; Powell and Stanton 1985; Heller 1990; Callender and Powell 1997; websites “MarLIN BIOTIC” and “MSAP”), (2) primary studies of multiple species in a region (Zaika 1973; Petersen 1958 and 1977; Zolotarev 1980 and 1982; Maximovich 1984; Le Pennec and Beninger 2000; Banqueiro Cardenas and Aranda 2003 (latter provides instantaneous mortality rates rather than lifespans)), and (3) approximately 100 primary studies of single species located by electronic search of the *Zoological Record* using the keywords “Bivalvia”, “lifespan”, and “longevity” (September 2008).

Note 1. Taxonomic consistency. In compiling lifespan data, we encountered inconsistency among published reports in the genus assignments of some species because the lifespan literature draws on papers published from the 1920s to the 2000’s, during which time bivalve systematics underwent considerable revision at the genus level. For example, many large Linnean genera such as *Nuculana*, *Arca*, *Pecten*, *Ostrea*, *Cardium*, *Tellina*, *Venus*, and *Corbula* have been subdivided and most subgenera recognized by the Bivalve Treatise on Invertebrate Paleontology have been elevated to full genus rank (see the global compendia for pectinids of Djikstra (2004) and for cardiids by ter Poorten (2005), and, for all other groups, the regional compendia of CLEMAM (western Europe), Malacolog 4.1.0 (western Atlantic), Coan et al. (2000; eastern Pacific), and OBIS (Indo-Pacific)). For internal consistency, we used these taxonomic authorities to update the genus assignments of species so that, for example, all published lifespan estimates for the common European cockle appear as *Cerastoderma edule* and not also as *Cardium edule*. In cases where taxonomic authorities differed, we deferred to the 2008 version of an ongoing effort to reconcile these and other sources on a global scale by Jablonski, Roy, and Valentine (described in Krug et al. 2008, 2009). We used the same procedure to make consistent all bivalve species names in the 30 live-dead datasets (Supplemental Table 1) so that the lifespan and abundance databases could be merged. In all cases we assumed that the original author had correctly identified the species and family of the specimens in his/her analysis. Our updating procedure thus decreased the number of unique species recognized in either the lifespan or the abundance database (because entities like *Cerastoderma edule* and *Cardium edule* were merged). This procedure did not change the number of families recognized, but increased the number of recognized genera (in the lifespan database, an increase from ~100 to ~150 genera, largely owing to elevation of subgenera to genus rank). Genus names in quotes are assignments of species in the lifespan literature that could not be verified.

Note 2. Availability of multiple estimates of lifespan. We were able to locate more than one estimate of maximum lifespan for 42% of bivalve species encountered in the lifespan literature, for 36% of (updated) genera, and for 67% of families. Multiple estimates arise from analysis of geographically distinct populations of a species and the use of different methods of age determination, which include growth lines, size-frequency distributions, growth rates, and mark-recapture experiments. Multiple entries in the table below for a single species by a single author indicate that the author examined multiple populations or applied more than one method to a single population. Like stratigraphic and geographic ranges, the maximum lifespan of a species will tend to be underestimated: the maximum lifespan achieved within a given stock can be

depressed by an array of environmental conditions and is also sensitive to sampling intensity (see Beukema 1989; Powell et al 2001; and discussion in main text). Thus, when multiple estimates of maximum lifespan were available for a species, we used the largest of all reported values as its global maximum lifespan.

Note 3. Estimating the maximum lifespans of species occurring in the abundance database. The global maximum lifespan of a species (see Note 2) was applied as the relevant lifespan to all occurrences of that species in the abundance database. 32 % of all species occurrences in the abundance database could be assigned a lifespan with this species-level resolution. When a published report was not available for a species, we used the median of maximum lifespans of other species in that same genus (rounding up to full years; each species contributed only one maximum lifespan value to the calculation for the genus). Such genus-based estimates were the finest estimate possible for 26 % of all species occurrences in the abundance database. When a published report was not available for either a species or its genus, we used the median of other genera in the same family (each genus contributed only one maximum lifespan value to the calculation for the family). Family-level estimates were assigned to 37% of species occurrences in the abundance database.

Note 4. Clade-level differences in lifespan. Among the families where we had lifespan estimates for at least 2 genera and at least 5 species, some families contain mostly short-lived species (maximum lifespan <8 years; e.g., Lucinidae, Donacidae, Semelidae, Montacutidae, Corbulidae, Corbiculidae, Teredinidae, perhaps Dreisseneidae) whereas others contain mostly long-lived species (>9 years; Carditidae, Cultellidae, Myidae, Hiatellidae, perhaps Arcidae) and yet others contain mostly intermediate-lifespan species (8-9 years; Nuculidae, Nuculanidae). Some very large families are best described as heterogeneous in maximum lifespan (e.g., Mactridae, Mytilidae, Pectinidae, Ostreidae, Tellinidae).

Family	Genus (updated from the primary source as needed)	Species	Lifespan (yrs)	Primary source of information (secondary source, if used)
Anomiidae	Pododesmus	squamula	6	Maximovich, N.V. 1984.
Arcidae	Anadara	tuberculosa	13	Baqueiro Cardenas and Aranda, 2003
Arcidae	Arca	boucardi	14	Zolotarev, 1980
Arcidae	Arca	boucardi	13	Zolotarev, 1980
Arcidae	Arca	boucardi	20	Zolotarev, 1980 (Heller, 1990)
Arcidae	Arca	noae	16	Peharda et al, 2002.
Arcidae	Mabellarca	notabilis	4	Jiminez et al, 2004.
Arcidae	Scapharca	broughtoni	46	Zolotarev, 1980 (Heller, 1990)
Arcidae	Senilia	senilis	9	Okera, 1976 (Powell & Stanton, 1985)
Arcidae	Senilia	senilis	8	Zolotarev 1982; Table 1
Arcidae	Tegillarca	granosa	4	de Goeij et al, 2003.
Arcticidae	Arctica	islandica	192	Abele et al, 2008.
Arcticidae	Arctica	islandica	400	Abele et al, 2008.
Arcticidae	Arctica	islandica	100	Duineveld et al., 2002
Arcticidae	Arctica	islandica	70	Jones, 1980 (Powell and Stanton, 1985)

Arcticidae	Arctica	islandica	220	Jones, 1983 (Heller, 1990)
Arcticidae	Arctica	islandica	14	Petersen, G. H., 1958.
Arcticidae	Arctica	islandica	100	Thorarinsdottir, 1999 (MarLIN BIOTIC)
Astartidae	Astarte	sulcata	45	Weber et al, 2001.
Astartidae	Tridonta	arctica	7	Selin, NI, 2007.
Astartidae	Tridonta	borealis	8	Selin, NI, 2007.
Astartidae	Tridonta	elliptica	10	Erlenkeuser et al. 1975 (Trutschler, K and C Samtleben, 1988.)
Astartidae	Tridonta	elliptica	2	Jaeckel 1952 (Trutschler, K and C Samtleben, 1988.)
Astartidae	Tridonta	elliptica	20	Trutschler, K and C Samtleben, 1988.
Astartidae	Tridonta	elliptica	6	Maximovich, N.V. 1984.
Astartidae	Tridonta	montagui	20	Petersen, G. H., 1958.
Astartidae	Tridonta	montagui	3	Maximovich, N.V. 1984.
Astartidae	Tridonta	borealis	6	Maximovich, N.V. 1984.
Axinopsidae	Axinopsida	sericata	4	Zaika, VE, 1973.
Cardiidae	Acanthocardia	echinata	15	Petersen, G. H., 1958.
Cardiidae	Cerastoderma	edule	6	Beukema 1989
Cardiidae	Cerastoderma	edule	7	Boyden 1972 (Powell & Stanton, 1985)
Cardiidae	Cerastoderma	edule	7	Cerrato, 1980 (Heller, 1990)
Cardiidae	Cerastoderma	edule	14	Cole, 1956 (Comfort, 1957)
Cardiidae	Cerastoderma	edule	11	Evans and Tallmark, 1977 (Powell and Stanton, 1985)
Cardiidae	Cerastoderma	edule	10	Fretter and Graham 1964 (MarLIN BIOTIC)
Cardiidae	Cerastoderma	edule	7	Hibbert 1976 (Roberston 1979)
Cardiidae	Cerastoderma	edule	3	Muus, BJ, 1967.
Cardiidae	Cerastoderma	edule	5	Stephen, 1931 (Comfort, 1957)
Cardiidae	Cerastoderma	edule	6	Warwick and Price, 1975 (Robertson, 1979)
Cardiidae	Cerastoderma	edule	5	Wolff and deWolf, 1977 (Robertson, 1979)
Cardiidae	Cerastoderma	edule	5	Zaika, VE, 1973.
Cardiidae	Cerastoderma	edule	10	Zolotarev 1982; Table 1
Cardiidae	Cerastoderma	glaucum	7	Boyden 1972 (Powell & Stanton, 1985)
Cardiidae	Cerastoderma	glaucum	5	MarLIN BIOTIC
Cardiidae	Cerastoderma	glaucum	9	Zolotarev 1982; Table 1
Cardiidae	Cerastoderma	glaucum	4	Muus, BJ, 1967. [Iamarcki =jr syn of glaucum]
Cardiidae	Ciliatocardium	ciliatum	25	Petersen, 1978 (Heller, 1990)
Cardiidae	Ciliatocardium	ciliatum	33	Zolotarev 1982; Table 1
Cardiidae	Clinocardium	corbis	10	Cerrato, 1980 (Heller, 1990)
Cardiidae	Clinocardium	corbis	7	Fraser, 1931 (Comfort, 1957)
Cardiidae	Clinocardium	corbis	16	Taylor, 1960 (Powell & Cummins, 1985)
Cardiidae	Clinocardium	corbis	16	Weymouth & Thompson, 1930 (Comfort, 1957)
Cardiidae	Clinocardium	nuttallii	18	Hoenig, 1983 (Powell & Cummins, 1985)
Cardiidae	Clinocardium	nuttallii	14	Zolotarev, 1980 (Heller, 1990)
Cardiidae	Keenocardium	californiense	11	Zolotarev, 1980 (Heller, 1990)
Cardiidae	Keenocardium	californiense	7	Zolotarev, 1980 (Heller, 1990)

Cardiidae	Parvicardium	exiguum	1	Lastra, M, A Sanchez, and J Mora, 1993.
Cardiidae	Parvicardium	exiguum	3	Petersen, G. H., 1958.
Cardiidae	Serripes	groenlandicus	22	Petersen, 1978 (Heller, 1990)
Cardiidae	Serripes	groenlandicus	33	Zolotarev 1982; Table 1
Carditidae	Carditamera	affinis	18	Riascos et al, 2008.
Carditidae	Cyclocardia	crebricostata	58	Zolotarev, 1980 (Heller, 1990)
Corbiculidae	Corbicula	fluminea	7	Hall 1984 The Nautilus
Corbiculidae	Corbicula	fluminea	3	Hornbach, DJ, 1992.
Corbiculidae	Corbicula	fluminea	5	Mouthon, J, 2001.
Corbiculidae	Corbicula	largillierti	3	Ituarte, CF, 1984.
Corbiculidae	Polymesoda (Geloina)	erosa	6	Morton, B, 1988.
Corbulidae	Aniscorbula	venusta	8	Zolotarev, 1980 (Heller, 1990)
Corbulidae	Corbula	trigona	2	Maslin & Bouvet 1986 (Callender and Powell, 1997)
Corbulidae	Corbula	trigona	2	Maslin & Bouvet, 1986
Corbulidae	Corbula	vicaria	4	Rainer, 1982 (Powell & Cummins, 1985)
Corbulidae	Potamocorbula	amurensis	5	Zolotarev, 1980 (Heller, 1990) (ustlata is a syn)
Corbulidae	Varicorbula	gibba	5	Holmes, SP and N Miler 2006.
Corbulidae	Varicorbula	gibba	2	Hrs-Brenko, M., 2006.
Corbulidae	Varicorbula	gibba	6	Janesen, 1990 (MarLIN BIOTIC)
Corbulidae	Varicorbula	gibba	4	Petersen, G. H., 1977.
Corbulidae	Varicorbula	gibba	2	Power et al, 2006.
Cultellidae	Ensis	macha	14	Urban, 1996
Cultellidae	Ensis	siliqua	12	Comfort, 1964 (Heller, 1990)
Cultellidae	Siliqua	alta	22	Zolotarev, 1980
Cultellidae	Siliqua	alta	24	Zolotarev, 1980
Cultellidae	Siliqua	patula	17	Cerrato, 1980 (Heller, 1990)
Cultellidae	Siliqua	patula	25	Weymouth & McMillin, 1931 (Comfort, 1957)
Cyrenoididae	Cyrenoida	floridana	11	Veira et al, 2006.
Donacidae	"Donax"	hanleyanus	3	Ansell, 1983 (Heller, 1990)
Donacidae	"Donax"	hanleyanus	3	Penchaszadeh & Olivier, 1975 (Powell & Cummins, 1985)
Donacidae	"Donax"	spiculum	1	Ansell et al, 1972 (Powell & Cummins, 1985)
Donacidae	"Donax"	tumida	1	Loesch, 1957 (Powell & Cummins, 1985)
Donacidae	Chion	denticulatus	2	Wade, 1968 (Powell & Cummins, 1985)
Donacidae	Chion	incarnatus	3	Ansell et al, 1972 (Powell & Cummins, 1985)
Donacidae	Chion	variabilis	1	Ansell, 1983 (Heller, 1990)
Donacidae	Chion	variabilis	1	Jones, et al, 2004.
Donacidae	Chion	variabilis	1	Loesch, 1957 (Powell & Cummins, 1985)
Donacidae	Cuneus	semistriatus	1	Ansell, 1983 (Heller, 1990)
Donacidae	Cuneus	venustus	1	Ansell, 1983 (Heller, 1990)
Donacidae	Cuneus	vittatus	7	Ansell, 1983 (Heller, 1990)
Donacidae	Cuneus	vittatus	10	Petersen, G. H., 1977.
Donacidae	Donax	gouldi	3	Coe, 1955 (Powell & Cummins, 1985)
Donacidae	Donax	gouldi	2	Fitch, JE, 1952.

Donacidae	Grammatodonax	sordidus	2	McLachlan, A, 1979.
Donacidae	Latona	cuneatus	2	Nayar, 1955 (Comfort, 1957)
Donacidae	Latona	serra	1	Ansell, 1983 (Heller, 1990)
Donacidae	Latona	serra	5	Laudien, J, 2002.
Donacidae	Latona	serra	5	McLachlan & Hanekom, 1979 (Powell & Cummins, 1985)
Donacidae	Serrula	trunculus	3	Ansell, 1983 (Heller, 1990)
Donacidae	Serrula	trunculus	5	Bayed, A, 1998.
Donacidae	Serrula	trunculus	4	Manca Zeichen et al, 2002.
Dreisseneidae	Dreissena	polymorpha	4	Chase, ME, and RC Bailey, 1999.
Dreisseneidae	Dreissena	polymorpha	6	Kornobis, 1977 (Callender and Powell, 1997)
Dreisseneidae	Dreissena	polymorpha	7	Stanezykowska, 1977 (Callender and Powell, 1997)
Dreisseneidae	Dreissena	polymorpha	19	Verween et al, 2006.
Dreisseneidae	Dreissena	polymorpha	4	Verween et al, 2006.
Dreisseneidae	Dreissena	polymorpha	2	Verween et al, 2006.
Dreisseneidae	Mytilopsis	leucophaeata	6	Verween et al, 2006.
Dreisseneidae	Mytilopsis	sallei	1	Morton, B, 1981 (Heller, 1990)
Dreisseneidae	Mytilopsis	sallei	2	Morton, B, 1989.
Dreisseneidae	Mytilopsis	sallei	2	Power et al, 2006.
Dreisseneidae	Dreissena	polymorpha	6	Zaika, VE, 1973.
Glycymeridae	Glycymeris	glycymeris	17	Menesguen and Dreves, 1987 (Callender and Powell, 1997)
Glycymeridae	Glycymeris	yessoensis	64	Zolotarev, 1980 (Heller, 1990)
Hiatellidae	Hiatella	arctica	3	Lees, DC, 2005 (unpub) Assessment of Bivalve Recovery, Prince William Sound
Hiatellidae	Hiatella	arctica	6	Zolotarev 1982; Table 1
Hiatellidae	Hiatella	arctica	6	Maximovich, N.V. 1984.
Hiatellidae	Hiatella	byssifera	15	Petersen, GH, 1978 (Heller, 1990)
Hiatellidae	Panopea	abbreviata	40	Morsan, E and NF Ciocco, 2004.
Hiatellidae	Panopea	abrupta	160	Bureau et al. 2002 (cit by Strom et al, 2005)
Hiatellidae	Panopea	generosa	15	Fitch, JE, 1952.
Hiatellidae	Panopea	generosa	120	Jones, 1983 (Heller, 1990)
Hiatellidae	Panopea	generosa	100	Shaul & Goodwin, 1982 (Powell & Cummins, 1985)
Hiatellidae	Panopea	zelandica	34	Gribben, PE, and RG Creese, 2005.
Hiatellidae	Panopea	zelandica	85	Gribben, PE, and RG Creese, 2005.
Lasaeidae (or Galeommatidae)	Lasaea	rubra	4	McGrath & O'Foighil, 1986 (Heller, 1990)
Laternulidae	Laternula	elliptica	36	Philipp et al, 2005.
Laternulidae	Laternula	elliptica	13	Ralph & Maxwell, 1977 (Powell & Cummins, 1985)
Lucinidae	Anodontia	omissa	1	de Goeij et al, 2003.
Lucinidae	Anodontia	omissa	2	Rainer, 1982 (Powell & Cummins, 1985)
Lucinidae	Codakia	orbicularis	3	Le Pennec, M, and PG Beninger, 2000.
Lucinidae	Divaricella	irpex	1	de Goeij et al, 2003.
Lucinidae	Loripes	lacteus	5	Velosa et al, 2007.
Lucinidae	Loripes lacteus	lucinalis	3	Le Pennec, M, and PG Beninger, 2000.
Lucinidae	Pillucina	neglecta	2	Mukai, 1974 (Robertson, 1979)

Mactridae	Mactra	corallina	6	Petersen, G. H., 1977.
Mactridae	Mactra	incongrua	2	Tanaka and Kikuchi, 1971 (Robertson, 1979)
Mactridae	Mactra	sulcataria	4	Kim et al. 1983 (Callender and Powell 1997)
Mactridae	Mactra	sulcataria	12	Zolotarev, 1980 (Heller, 1990)
Mactridae	Mactromeris	polynyma	16	Feder et al, 1979 (Powell & Cummins, 1985)
Mactridae	Mactromeris	polynyma	25	Hughes, SE, and N Bourne, 1981.
Mactridae	Mactromeris	voyi	52	Zolotarev, 1980 (Heller, 1990)
Mactridae	Mulinia	lateralis	3	Cerrato, 1980 (Heller, 1990)
Mactridae	Pseudocardium	sachalinensis	12	Sasaki, 1981 (Powell & Cummins, 1985)
Mactridae	Pseudocardium	sachalinensis	55	Zolotarev, 1980 (Heller, 1990)
Mactridae	Rangia	cuneata	5	Coen, LD, and RE Grizzle, 2007.
Mactridae	Rangia	cuneata	10	Wolfe & Petteway, 1968 (Powell & Cummins, 1985)
Mactridae	Spisula	elliptica	10	Petersen, G. H., 1977.
Mactridae	Spisula	elliptica	1	Zaika, VE, 1973.
Mactridae	Spisula	ovalis	7	Menesguen and Dreves, 1987 (Callender and Powell, 1997)
Mactridae	Spisula	solida	10	Fahy et al, 2003 (MarLIN BIOTIC) (easily confused with elliptica)
Mactridae	Spisula	ravenili or solidissima similis	4	Walker, RL and PB Heffernan, 1994. (southern surfclam; ravenili is syn)
Mactridae	Spisula	ravenili or solidissima similis	6	Walker, RL and PB Heffernan, 1994. (southern surfclam; ravenili is syn)
Mactridae	Spisula	solidissima	10	Cerrato, RM, and DL Keith, 1992.
Mactridae	Spisula	solidissima	22	Cerrato, RM, and DL Keith, 1992.
Mactridae	Spisula	solidissima	25	Jones 1980 (Powell and Stanton 1985)
Mactridae	Spisula	solidissima	31	Jones et al, 1978 (Powell & Cummins, 1985)
Mactridae	Spisula	solidissima	37	Walker, RL and PB Heffernan, 1994. (Atlantic surfclam, northern)
Mactridae	Spisula	subtruncata	1	Bodoy, A, 1980.
Mactridae	Spisula	subtruncata	4	Deval, MC and D Gokturk, 2008.
Mactridae	Spisula	subtruncata	6	Petersen, G. H., 1977.
Mactridae	Tresus	capax	16	Hancock et al, 1979 in Emmett et al. 1991 (MSAP)
Mactridae	Tresus	capax	5	Hancock, et al, 1979. (Rudy & Rudy, 1979)
Mactridae	Tresus	capax	16	Wendell et al, 1976; Bourne & Smith, 1972 (Powell & Cummins, 1985)
Mactridae	Tresus	nuttalli	17	Frey 1971, Wolotira et al. 1989 in Emmett et al. 1991 (MSAP)
Malletiidae	Tindaria	callistiformis	100	Turekian et al, 1975 (Heller, 1990)
Mesodesmatidae	Mesodesma	arctatum	24	Brethes et al, 1986.
Mesodesmatidae	Mesodesma	mactroides	7	Fiori, S and O Defeo, 2006.
Mesodesmatidae	Paphies	ventricosum	9	Comfort, 1957 (Heller, 1990)
Montacutidae	Kurtiella	bidentata		Kunitzer, A, 1989
Montacutidae	Kurtiella	bidentata		MarLIN BIOTIC
Montacutidae	Kurtiella	bidentata		O'Brien, K, and BJ Keegan, 2006.
Montacutidae	Kurtiella	bidentata	7	Ockelmann & Muus, 1978 (Heller, 1990)
Montacutidae	Kurtiella	bidentata	4	O'Foighil et al, 1984.

Montacutidae	Kurtiella	planulata	4	Franz, 1973 (Powell & Stanton 1985)
Montacutidae	Kurtiella	planulata		Santos, SL and JL Simon, 1980.
Montacutidae	Mysella	cuneata	6	Gage, 1968 (Heller, 1990)
Montacutidae	Rochefortia	tumida	7	Lees, DC, 2005 (unpub) Assessment of Bivalve Recovery, Prince William Sound
Montacutidae	Tellimya	ferruginosa	3	Petersen, G. H., 1977.
Myidae	Arenomya	arenaria	2	Burke & Mann, 1974 (Robertson, 1979)
Myidae	Arenomya	arenaria	12	Evans and Tallmark, 1977 (Powell and Stanton 1985)
Myidae	Arenomya	arenaria	28	Jones, 1983 (Heller, 1990)
Myidae	Arenomya	arenaria	28	MacDonald and Thomas 1980 in Emmett et al. 1991; Brousseau 1978, Brousseau and Baglivo 1987 in Emmett et al. 1991 (MSAP)
Myidae	Arenomya	arenaria	8	Maximovich, N.V. 1984.
Myidae	Arenomya	arenaria	8	Newcoombe, 1935; 1936 (Comfort, 1957)
Myidae	Arenomya	arenaria	13	Philipp et al, 2005.
Myidae	Arenomya	arenaria	28	Strasser, M., 1999. (MarLIN BIOTIC)
Myidae	Arenomya	arenaria	17	Warwick and Price, 1975 (Powell & Stanton, 1985)
Myidae	Arenomya	japonica	42	Zolotarev, 1980
Myidae	Mya	priapus	15	Zolotarev, 1980 (Heller, 1990)
Myidae	Mya	truncata	40	Amaro et al, 2003
Myidae	Mya	truncata	40	Duineveld et al.
Myidae	Mya	truncata	18	Petersen, 1978 (Heller, 1990)
Myidae	Panomya	priapus	15	Zolotarev, 1980
Myidae	Sphenia	sincera	4	Hanks, RW, and DB Packer, 1985.
Mytilidae	"Mytilus"	variabilis	5	Sewell, 1924 (Comfort, 1957)
Mytilidae	Adula	californiensis	5	Cerrato, 1980 (Heller, 1990)
Mytilidae	Adula	californiensis	3	Coe & Fox, 1942 (Comfort, 1957)
Mytilidae	Arcuatula	arcuatula	2	George & Nair, 1974 (Powell & Cummins, 1985)
Mytilidae	Bathymodiolus	thermophila	19	Rhoads et al, 1981 (Heller, 1990)
Mytilidae	Brachidontes	variabilis	3	Wilson & Hodgkin, 1967 (Powell & Cummins, 1985)
Mytilidae	Brachidontes	variabilis	3	Morton, B, 1988.
Mytilidae	Crenomytilus	grayanus	150	Jones, 1983 (Heller, 1990)
Mytilidae	Crenomytilus	grayanus	88	Selin, 1980 (Powell & Stanton, 1985)
Mytilidae	Crenomytilus	grayanus	150	Selin, NI, 2004.
Mytilidae	Crenomytilus	grayanus	108	Zolotarev, 1980
Mytilidae	Crenomytilus	grayanus	95	Zolotarev, 1980
Mytilidae	Crenomytilus	grayanus	150	Zolotarev, 1980
Mytilidae	Geukensia	demissa	3	Baqueiro Cardenas, E, and DA Aranda, 2003.
Mytilidae	Geukensia	demissa	15	Franz, DR, 2001.
Mytilidae	Geukensia	demissa	23	Lutz & Castagna, 1980 (Heller, 1990)
Mytilidae	Geukensia	demissus	8	Zaika, VE, 1973.
Mytilidae	Limnoperna	pulex	2	Wilson & Hodgkin, 1967 (Powell & Cummins, 1985)
Mytilidae	Lithophaga	lithophaga	54	Galinou-Mitsoudi, S and AI Sinis, 1995.
Mytilidae	Modiolus	barbatus	14	Peharda et al, 2007.

Mytilidae	Modiolus	modiolus	48	Anwar et al, 1990.
Mytilidae	Modiolus	modiolus	38	Anwar et al, 1990.
Mytilidae	Modiolus	modiolus	75	Anwar et al, 1990. (MarLIN BIOTIC)
Mytilidae	Modiolus	modiolus	35	Comely, 1978 (Heller, 1990)
Mytilidae	Modiolus	modiolus	36	Zolotarev 1982; Table 1
Mytilidae	Modiolus	modiolus	61	Zolotarev, 1980 (Heller, 1990)
Mytilidae	Musculista	senhausius	2	Tanaka and Kikuchi, 1971 (Robertson, 1979)
Mytilidae	Musculista	senhousia	2	Crooks, JA, 1996.
Mytilidae	Musculista	senhousia	2	Power et al, 2006.
Mytilidae	Musculus	discors	6	Maximovich, N.V. 1984.
Mytilidae	Musculus	laevigatus	3	Maximovich, N.V. 1984.
Mytilidae	Musculus	niger	9	Petersen, G. H., 1977.
Mytilidae	Mytella	strigata	4	Baqueiro Cardenas, E, and DA Aranda, 2003.
Mytilidae	Mytella	strigata	18	Baqueiro Cardenas, E, and DA Aranda, 2003.
Mytilidae	Mytilaster	lineatus	3	Zaika, VE, 1973.
Mytilidae	Mytilisepta	keenae	15	Zolotarev, 1980 (Heller, 1990)
Mytilidae	Mytilus	coruscus	39	Zolotarev, 1980 (Heller, 1990)
Mytilidae	Mytilus	edulis	8	Maximovich, N.V. 1984.
Mytilidae	Mytilus	edulis	10	Milne and Dunnert, 1972 (Robertson, 1979)
Mytilidae	Mytilus	edulis	24	Seed 1974 in Emmett et al. 1991 (MSAP)
Mytilidae	Mytilus	edulis	24	Theisen, 1973 (Powell & Cummins, 1985)
Mytilidae	Mytilus	edulis	25	Thiesen, 1973 (MarLIN BIOTIC)
Mytilidae	Mytilus	edulis	10	Williamson, 1908 (Comfort, 1957)
Mytilidae	Mytilus	edulis	17	Zolotarev 1982; Table 1
Mytilidae	Mytilus	edulis	15	Zolotarev, 1980 (Heller, 1990)
Mytilidae	Mytilus	galloprovincialis	9	Zaika, VE, 1973.
Mytilidae	Mytilus	galloprovincialis	3	Abada-Boudjema, Y-M, and JC Dauvin, 1995.
Mytilidae	Mytilus	galloprovincialis	12	Zaika, VE, 1973.
Mytilidae	Perna	perna	2	Abada-Boudjema, Y-M, and JC Dauvin, 1995.
Mytilidae	Perna	viridis	3	Lee, 1985 (Heller, 1980) plus Power et al, 2004.
Nuculanidae	Jupiteria	minuta	7	Ansell & Parulekar, 1978 (Heller, 1990)
Nuculanidae	Jupiteria	minuta	8	Ansell et al, 1978 (Powell & Stanton 1985)
Nuculanidae	Jupiteria	minuta	6	Petersen, G. H., 1977.
Nuculanidae	Nuculana	pernula	5	Ansell et al, 1978 (Powell & Stanton, 1985)
Nuculanidae	Nuculana	pernula	10	Hutchings and Haedrich, 1984 (Callender and Powell, 1997)
Nuculanidae	Nuculana	pernula	9	Zolotarev 1982; Table 1
Nuculanidae	Nuculana	pernula	9	Zolotarev, 1980
Nuculidae	Ennucula	tenuis	13	Harvey, R and J.D. Gage, 1995.
Nuculidae	Ennucula	tenuis	6	Petersen, G. H., 1977.
Nuculidae	Lamellinucula	sulcata	17	Comfort, 1964 (Heller, 1990)
Nuculidae	Nucula	nitidosa	5	Rachor, E, 1976.
Nuculidae	Nucula	nitidosa	12	Wilson, JG 1992. Plus others (MarLIN BIOTIC)

Nuculidae	Nucula	nitidosa	10	Wilson, JG 1992. Plus others (MarLIN BIOTIC)
Nuculidae	Nucula	nitidosa	7	Wilson, JG 1992. Plus others (MarLIN BIOTIC)
Nuculidae	Nucula	nucleus	10	Chardy et al, 1984 (Callender & Powell, 1997)
Nuculidae	Nucula	nucleus	12	Comfort, 1964 (Heller, 1990)
Nuculidae	Nucula	paulula	2	Mukai, 1974 (Robertson, 1979)
Nuculidae	Nucula	turgida	11	Allen, 1952 (Comfort, 1957)
Nuculidae	Nucula	turgida	6	Davis, JP and JG Wilson, 1982 [1983].
Nuculidae	Nucula	turgida	8	Petersen, G. H., 1977.
Nuculidae	Nucula proxima	annulata	8	Cerrato, 1980 (Heller, 1990)
Nuculidae	Truncacila	insignis	9	Zolotarev, 1980 (Heller, 1990)
Ostreidae	Crassostrea	madrasensis	4	Somasekar et al, 1982 (Powell & Cummins, 1985)
Ostreidae	Crassostrea	virginiaca	6	Grave, 1933 (Comfort, 1957)
Ostreidae	Crassostrea	virginica	6	Comfort, 1957 (Heller, 1990)
Ostreidae	Crassostrea	virginica	2	Dame, 1976 (Roberston, 1979)
Ostreidae	Ostrea	edulis	20	Christensen & Dance, 1980 (Heller, 1990)
Ostreidae	Ostrea	edulis	12	Orton & Amirthalingam, 1930 (Comfort, 1957)
Ostreidae	Ostrea	edulis	20	Rodhouse, 1978 (Powell & Stanton, 1985)
Ostreidae	Ostrea	edulis	15	Yonge, CM 1960 plus others (MarLIN BIOTIC)
Ostreidae	Ostrea	lutaria	10	Allen, 1979 (Callender and Powell, 1997)
Ostreidae	Ostreola	lurida	na	MSAP
Pandoridae	Clidiophora	gouldi	3	Sanders, 1956 (Roberston, 1979)
Pandoridae	Pandora	pulchella	11	Zolotarev, 1980 (Heller, 1990)
Pectinidae	Adamusium	colbecki	40	Berkman, PA, et al, 2004.
Pectinidae	Adamusium	colbecki	18	Heilmayer et al, 2004.
Pectinidae	Adamusium	colbecki	10	Ralph & Maxwell, 1977 (Heller, 1990)
Pectinidae	Adamusium	colbecki	7	Ralph & Maxwell, 1977 (Powell & Cummins, 1985)
Pectinidae	Adamusium	colbecki	12	Stockton, 1984 (Callender and Powell, 1997)
Pectinidae	Adamusium	colbecki	7	Zolotarev 1982; Table 1
Pectinidae	Aequipecten	opercularis	8	Taylor & Venn, 1978 (Powell & Cummins, 1985)
Pectinidae	Aequipecten	opercularis	6	Williams & Dredge, 1981 (Heller, 1990)
Pectinidae	Amusium	balloti	4	Heald, 1978 (Powell & Cummins, 1985)
Pectinidae	Amusium	balloti	3	Heald, DI and N Caputi, 1981.
Pectinidae	Amusium	japonicum	4	Williams & Dredge, 1981 (Heller, 1990)
Pectinidae	Amusium	pleuronectes	2	Del Norte 1988 (Callender and Powell 1997)
Pectinidae	Argopecten	circularis	5	Baqueiro Cardenas, E, and DA Aranda, 2003.
Pectinidae	Argopecten	circularis	3	Baqueiro Cardenas, E, and DA Aranda, 2003.
Pectinidae	Argopecten	gibbus	2	Williams & Dredge, 1981 (Powell & Cummins, 1985)
Pectinidae	Argopecten	irradians	2	Gutsell, 1930 (Comfort, 1957)
Pectinidae	Argopecten	irradians	1	Sastry, 1979 (Heller, 1990)

Pectinidae	Argopecten	irradians	2	Williams & Dredge, 1981 (Powell & Cummins, 1985)
Pectinidae	Argopecten	irradians irradians	2	Brielj, VM and MK Krause, 1992.
Pectinidae	Argopecten	japonicum	2	Williams & Dredge, 1981 (Powell & Cummins, 1985)
Pectinidae	Chlamys	albidus	8	Zolotarev, 1980 (Heller, 1990)
Pectinidae	Chlamys	islandica	24	Brielj, VM and MK Krause, 1992.
Pectinidae	Chlamys	islandica	23	Vahl, 1981 (Powell & Cummins, 1985)
Pectinidae	Hinnites	giganteum	25	Haderlie and Abbott in Morris et al. 1980 (MSAP)
Pectinidae	Mimachlamys	varia	7	Conan & Shafee, 1978 (Powell & Cummins, 1985)
Pectinidae	Mizuhopecten	yessoensis	8	Bazykalova, 1934 (Comfort, 1957)
Pectinidae	Mizuhopecten	yessoensis	12	Ventilla, 1982 (Heller, 1990)
Pectinidae	Mizuhopecten	yessoensis	9	Zolotarev 1982; Table 1
Pectinidae	Mizuhopecten	yessoensis	13	Zolotarev, 1980
Pectinidae	Mizuhopecten	yessoensis	16	Zolotarev, 1980
Pectinidae	Mizuhopecten	yessoensis	9	Zolotarev, 1980
Pectinidae	Patinopecten	caurinus	NA	Elfstrom et al, 2005.
Pectinidae	Patinopecten	caurinus	15	Haynes & Hitz, 1971 (Powell & Cummins, 1985)
Pectinidae	Patinopecten	caurinus	15	Zolotarev 1982; Table 1
Pectinidae	Pecten	maximus	12	Cerrato, 1980 (Heller, 1990)
Pectinidae	Pecten	maximus	20	Minchin 2003, Mason 1983 (MarLIN BIOTIC)
Pectinidae	Pecten	maximus	22	Tang, 1941 (Comfort, 1957)
Pectinidae	Pecten	maximus	18	Zolotarev 1982; Table 1
Pectinidae	Pecten	meridionalis	16	Fairbridge, 1953 (Comfort, 1957)
Pectinidae	Pecten	meridionalis	11	Williams & Dredge, 1981 (Heller, 1990)
Pectinidae	Placopecten	magellanicus	12	Posgay, 1979 (Callender and Powell, 1997)
Pectinidae	Placopecten	magellanicus	12	Stevenson & Dickie (Powell & Cummins, 1985)
Pectinidae	Placopecten	magellanicus	12	Williams & Dredge, 1981 (Heller, 1990)
Pectinidae	Swiftopecten	swifti	15	Zolotarev, 1980 (Heller, 1990)
Periplomatidae	Bontaea	praetenuis	5	Petersen, G. H., 1977.
Petricolidae	Petricolaria	pholadiformis	10	Duval, 1963
Pharidae	Ensis	arcuatus	18	MarLIN BIOTIC
Pharidae	Ensis	ensis	20	MarLIN BIOTIC
Pharidae	Ensis	ensis	5	Petersen, G. H., 1977.
Pharidae	Ensis	siliqua	18	MarLIN BIOTIC
Pharidae	Ensis	spp	20	MarLIN BIOTIC
Pharidae	Phaxas	pellucidus	3	Petersen, G. H., 1977.
Pharidae	Siliqua	patula	17	Fitch, JE, 1952.
Pharidae	Siliqua	patula	7	Lassuy and Simons, 1989. (MSAP)
Pharidae	Siliqua	patula	19	Zolotarev 1982; Table 1
Pharidae	Siliqua	pulchella	2	de Goeij et al, 2003.
Pholadidae	Barnea	candida	12	Pinn et al, 2005.
Pholadidae	Barnea	parva	12	Pinn et al, 2005.
Pholadidae	Penitella	penita	21	Evans, 1968 (Powell & Cummins, 1985)
Pholadidae	Penitella	penita	6	Rudy & Rudy, 1979.

Pholadidae	Pholas	dactylus	14	MarLIN BIOTIC
Pholadidae	Pholas	dactylus	12	Pinn et al, 2005.
Pholadidae	Zirfaea gabbi	pilsbryi	8	Evans, J W. 1970 (Rudy & Rudy, 1979.)
Pinnidae	Atrina	fragilis	10	MarLIN BIOTIC
Pinnidae	Atrina	maura	6	Baqueiro Cardenas, E, and DA Aranda, 2003.
Pinnidae	Atrina	rigida	4	Baqueiro Cardenas, E, and DA Aranda, 2003.
Pinnidae	Pinna	atropurpurea	12	Butler & Brewster, 1979 (Heller, 1990)
Pinnidae	Pinna	nobilis	18	Butler et al., 1993 (MarLIN BIOTIC)
Pinnidae	Pinna	nobilis	28	Garcia-march, JR and A Marquez-Aliaga, 2007.
Pinnidae	Pinna	nobilis	15	Katsanevakis 2005 Endangered species research
Psammobiidae	"Gari"	kazunensis	14	Zolotarev, 1980 (Heller, 1990)
Psammobiidae	Gobraeus	solida	14	Urban & Campos, 1994
Psammobiidae	Nuttallia	ezonis	40	Zolotarev, 1980
Psammobiidae	Nuttallia	ezonis	25	Zolotarev, 1980
Psammobiidae	Nuttallia	olivacea	24	Zolotarev, 1980
Psammobiidae	Nuttallia	olivacea	20	Zolotarev, 1980
Psammobiidae	Psammobia	fervensis	8	Petersen, G. H., 1977.
Pteriidae	Meleagrina or Pteria	vulgaris	7	Comfort, 1957 (Heller, 1990)
Pteriidae	Meleagrina or Pteria	vulgaris	7	Herdman, 1904 (Comfort, 1957)
Pteriidae	Meleagrina or Pteria	vulgaris	8	Narayanan & Michael, 1968 (Powell & Cummins, 1985)
Pteriidae	Pinctada	imbricata	3	Marcano et al, 2005.
Pteriidae	Pinctada	imbricata	5	Verginelli, R and A Prieto, 1991.
Pteriidae	Pinctada	martensii	8	Narayanan & Michael, 1968 (Powell & Cummins, 1985)
Scrobiculariidae	Scrobicularia	plana	5	Coelho et al, 2006.
Scrobiculariidae	Scrobicularia	plana	18	Green, 1957 (Comfort, 1957)
Scrobiculariidae	Scrobicularia	plana	5	Hughes, 1970 (Robertson, 1979)
Semelidae	Abra	nitida	2	Buchanan & Warwick, 1974 (Robertson, 1979)
Semelidae	Abra	nitida	3	Josefson, 1982 (Callender and Powell, 1997)
Semelidae	Abra	nitida	3	Petersen, G. H., 1977.
Semelidae	Abra	nitida	4	Velosa et al, 2007.
Semelidae	Abra	nitida	9	Velosa et al, 2007.
Semelidae	Abra	ovata	4	Zaika, 1973 (Heller, 1990)
Semelidae	Abra	prismatica	1	Dauvin, 1986b (Callender and Powell, 1997)
Semelidae	Abra	prismatica	5	Petersen, G. H., 1977.
Semelidae	Abra	tenuis	2	Bachelet, G, 1989. (Dekker & Beukema, 1993)
Semelidae	Abra	tenuis	2.5	Dekker, R, and JJ Beukema, 1993.
Semelidae	Abra	tenuis	2	Gibbs, PE, 1984 (Dekker & Beukema, 1993)
Semelidae	Amphidesma	ventricosum	9	Rapson, 1952 (Comfort, 1957 & Powell & Cummins 1985)
Semelidae	Cumingia	tellinoides	4	Grave, 1933 (Comfort, 1957)
Semelidae	Endopleura	lubrica	2	Mukai, 1974 (Robertson, 1979)
Semelidae	Endopleura	lubrica	1	Tanaka and Kikuchi, 1971 (Robertson, 1979)
Semelidae	Semele	solida	13	Urban & Campos, 1994

Semelidae	Syndosmya	alba	2	Dauvin 1986a (Callender and Powell 1997)
Semelidae	Syndosmya	alba	2	Dauvin and Gentil, 1989. (MarLIN BIOTIC)
Semelidae	Syndosmya	alba	4	Petersen, G. H., 1977.
Semelidae	Syndosmya	alba	2	Lastra, M, J Palacio, and J Mora, 1993.
Semelidae	Syndosmya	ovata	4	Zaika, VE, 1973.
Semelidae	Theora	fragilis	2	Rainer, 1982 (Powell & Cummins, 1985)
Solecurtidae	Mesopleura	diviscus	5	Fraser 1967 (Powell & Stanton, 1985)
Solecurtidae	Tagelus	dombeii	15	Urban, 1996
Solemyidae	Solemya	reidi	3	Le Pennec, M, and PG Beninger, 2000.
Solenidae	Ensisolen	krustensterni	12	Zolotarev, 1980 (Heller, 1990)
Solenidae	Ensisolen	rosaceus	17	Fitch, JE, 1952.
Solenidae	Ensisolen	sicaru	17	Fitch, JE, 1952.
Solenidae	Solen	corneus	5	McLachlan, 1974 (Powell & Cummins, 1985)
Tellinidae	Angulus	tenuis	5	Faure, G, 1969.
Tellinidae	Angulus	tenuis	8	MacIntyre, 1970 (Dekker & Beukema, 1999)
Tellinidae	Angulus	tenuis	4	Petersen, G. H., 1977.
Tellinidae	Angulus	tenuis	5	Stephen, 1931 (Comfort, 1957)
Tellinidae	Angulus	tenuis	7	Trevallion, 1971 (Powell & Stanton, 1985)
Tellinidae	Cadella	lubrica	17	Zolotarev, 1980
Tellinidae	Cadella	lubrica	15	Zolotarev, 1980
Tellinidae	Eurytellina	alternata	3	Moore & Lopez, 1970 (Powell & Cummins, 1985)
Tellinidae	Fabulina	fabula	7	Petersen, G. H., 1977.
Tellinidae	Fabulina	fabula	5	Salzwedel, 1979 (MarLIN BIOTIC)
Tellinidae	Heteromacoma	inquinata	5	Lees, DC, 2005 (unpub) Assessment of Bivalve Recovery, Prince William Sound
Tellinidae	Macoma	balthica	5	Lees, DC, 2005 (unpub) Assessment of Bivalve Recovery, Prince William Sound
Tellinidae	Macoma	balthica	2	Burke & Mann, 1974 (Robertson, 1979)
Tellinidae	Macoma	balthica	6	Chambers and Milne, 1975 (Robertson, 1979)
Tellinidae	Macoma	balthica	9	Evans and Tallmark, 1977 (Powell and Stanton, 1985)
Tellinidae	Macoma	balthica	10	Gilbert, 1973 (MarLIN BIOTIC)
Tellinidae	Macoma	balthica	30	Gilbert, MA, 1973.
Tellinidae	Macoma	balthica	6	Maximovich, N.V. 1984.
Tellinidae	Macoma	balthica	10	Salzwedel, 1979 (MarLIN BIOTIC)
Tellinidae	Macoma	balthica	7	Warwick and Price, 1975 (Powell & Stanton, 1985)
Tellinidae	Macoma	balthica	10	Wolff and deWolf, 1977 (Robertson, 1979)
Tellinidae	Macoma	balthica	18	Zolotarev, 1980 (Heller, 1990)
Tellinidae	Macoma	calcareo	17	Petersen, 1978 (Heller, 1990)
Tellinidae	Macoma	calcareo	5	Petersen, G. H., 1977.
Tellinidae	Macoma	contabulata	15	Zolotarev, 1980 (Heller, 1990)
Tellinidae	Macoma	litoralis	5	McLachlan, 1974 (Powell & Cummins, 1985)

Tellinidae	Macoma	middendorffi	24	Zolotarev, 1980 (Heller, 1990)
Tellinidae	Macomona	deltoidalis	4	Rainer, 1982 (Powell & Cummins, 1985)
Tellinidae	Macomona	deltoidalis deltoides	4	Robertson, in press (Robertson, 1979) [not found]
Tellinidae	Megangulus	venulosa	31	Zolotarev, 1980
Tellinidae	Megangulus	venulosa	29	Zolotarev, 1980
Tellinidae	Megangulus	venulosa	26	Zolotarev, 1980
Tellinidae	Megangulus	zyonoensis	61	Zolotarev, 1980 (Heller, 1990)
Tellinidae	Merisca	martinicensis	2	Penzias, 1969 (Powell and Stanton, 1985)
Tellinidae	Merisca	piratica	2	de Goeij et al, 2003.
Tellinidae	Serratina	capsoides	3	de Goeij et al, 2003.
Teredinidae	Bankia	gouldi	1	Hoagland, 1986 (Heller, 1990)
Teredinidae	Bankia	setacea	2	Hill, C. L. and C. A. Kofoed, eds. 1927 (Rudy & Rudy, 1979.)
Teredinidae	Teredo	bartschi	1	Hoagland, 1986 (Heller, 1990)
Teredinidae	Teredo	navalis	2	Grave, 1928 (Comfort, 1957)
Teredinidae	Teredo	navalis	1	Hoagland, 1986 (Heller, 1990)
Thraciadae	Thracia	papyracea	4	Petersen, G. H., 1977.
Thraciadae	Trigonothracia	jinxigae	1	Morton, B, 1995.
Thyasiridae	Thyasira	flexuosa	3	Lopez-Jamar et al, 1987 (Callender and Powell, 1997)
Thyasiridae	Thyasira	flexuosa	1	Lopez-Jamar et al, 1987 (Heller, 1990)
Thyasiridae	Thyasira	flexuosa	7	Petersen, G. H., 1958.
Thyasiridae	Thyasira	flexuosa	3	Velosa et al, 2007.
Thyasiridae	Thyasira	gouldi	10	Blacknell and Ansell, 1975 (MarLIN BIOTIC)
Tridacnidae	Tridacna	gigas	60	Watanabe et al, 2004.
Tridacnidae	Tridacna	gigas	200	Watanabe et al, 2004.
Turtoniidae	Turtonia	minuta	2	Tokmakova et al, 2006.
Ungulinidae	Felaniella	usta	9	Zolotarev, 1980 (Heller, 1990)
Veneridae	Anomalocardia	squamosa	5	Morton, 1978 (Powell & Stanton, 1985)
Veneridae	Callista	chione	40	Forster, 1981 (Powell & Cummins, 1985)
Veneridae	Callista	chione	16	Leontarakis, PK, and C.A. Richardson, 2005.
Veneridae	Callista	chione	17	Metaxatos, A, 2004.
Veneridae	Callista	chione	18	Metaxatos, A, 2004.
Veneridae	Callista	chione	30	Metaxatos, A, 2004.
Veneridae	Callithaca	adamsi	29	Zolotarev, 1980 (Heller, 1990)
Veneridae	Callithaca	tenerrima	10	Fitch, JE, 1952.
Veneridae	Chamelea	gallina	9	Boltacheva & Mazlumyan, 2003
Veneridae	Chamelea	gallina	9	Boltacheva, NA and SA Mazlumyan, 2003.
Veneridae	Chamelea	gallina	8	Cerrato, 1980 (Heller, 1990)
Veneridae	Chamelea	gallina	25	Duineveld et al., 2002
Veneridae	Chamelea	gallina	5	Gaspar et al, 2004.
Veneridae	Chamelea	striatula	10	Guillou, J and PG Sauriau, 1985.
Veneridae	Chamelea	striatula	8	Petersen, G. H., 1958.
Veneridae	Chione	cancellata	5	Baqueiro Cardenas, E, and DA Aranda, 2003.
Veneridae	Chione	cancellata	6	Moore and Lopez, 1969 (Robertson, 1979)

Veneridae	Chione	undatella	2	Baqueiro Cardenas, E, and DA Aranda, 2003.
Veneridae	Chione	undatella	4	Baqueiro Cardenas, E, and DA Aranda, 2003.
Veneridae	Chionista	cortezi	8	Schone et al, 2002.
Veneridae	Chionista	fluctifraga	16	Schone et al, 2002.
Veneridae	Dosinella	angulosa	26	Zolotarev, 1980 (Heller, 1990)
Veneridae	Dosinella	hepatica	9	Hanekom, N, 1986.
Veneridae	Dosinella	hepatica	6	McLachlan, 1974 (Powell & Cummins, 1985)
Veneridae	Dosinia	elegans	3	Moore & Lopez, 1970 (Powell & Cummins, 1985)
Veneridae	Dosinia	lupinus	8	Petersen, G. H., 1958.
Veneridae	Dosinia	lupinus	15	Tunberg, B, 1983a. Sarsia 68: 33-40
Veneridae	Dosinia	ponderosa	6	Baqueiro Cardenas, E, and DA Aranda, 2003.
Veneridae	Eucallista	purpurata	30	Morosan and Orensanz 2004
Veneridae	Gemma	gemma	4	Bradley & Cooke, 1959 (Powell & Cummins, 1985)
Veneridae	Gemma	gemma	1	Sellmer, 1967 (Heller, 1990)
Veneridae	Liocyma	fluctuosa	21	Zolotarev, 1980
Veneridae	Marcia	japonica	11	Zolotarev, 1980
Veneridae	Marcia	japonica	27	Zolotarev, 1980 (Heller, 1990)
Veneridae	Marcia	japonica	25	Zolotarev, 1980 (Heller, 1990)
Veneridae	Marcia	opima	3	Mane, 1974 (Powell & Cummins, 1985)
Veneridae	Megapitaria	aurantiaca	7	Baqueiro Cardenas, E, and DA Aranda, 2003.
Veneridae	Megapitaria	squalida	3	Baqueiro Cardenas, E, and DA Aranda, 2003.
Veneridae	Megapitaria	squalida	6	Baqueiro Cardenas, E, and DA Aranda, 2003.
Veneridae	Mercenaria	campechiensis	5	Baqueiro Cardenas, E, and DA Aranda, 2003.
Veneridae	Mercenaria	mercenaria	17	Belden, 1912 (Comfort, 1957)
Veneridae	Mercenaria	mercenaria	15	Cerrato, 1980 (Heller, 1990)
Veneridae	Mercenaria	mercenaria	9	Hibbert, 1976 (Roberston, 1979)
Veneridae	Mercenaria	mercenaria	40	Hopkins, 1930 (Comfort, 1957)
Veneridae	Mercenaria	mercenaria	9	Kennish, 1980 (Heller, 1990)
Veneridae	Mercenaria	mercenaria	40	Loesch and Haven, 1973 (Powell & Stanton, 1985)
Veneridae	Mercenaria	mercenaria	46	Peterson, CH, 1986.
Veneridae	Mercenaria	stimpsoni	40	Zolotarev, 1980 (Heller, 1990)
Veneridae	Notochione	jedoensis	15	Zolotarev, 1980 (Heller, 1990)
Veneridae	Nutricola	lordi	2	Zaika, VE, 1973.
Veneridae	Nutricola	tantilla	1	Rudy & Rudy, 1979.
Veneridae	Nutricola	tantilla	1	Kabat, AR, 1985.
Veneridae	Pachydesma	stultorum	14	Cerrato, 1980 (Heller, 1990)
Veneridae	Pachydesma	stultorum	12	Coe, 1947 (Comfort, 1957)
Veneridae	Pachydesma	stultorum	35	Fitch, JE, 1952.
Veneridae	Pachydesma	stultorum	20	Weymouth, 1923 (Comfort, 1957)
Veneridae	Paphia	euglypta	14	Zolotarev, 1980 (Heller, 1990)
Veneridae	Paphia	laterisulca	3	Mane & Nagabhushanam, 1979 (Powell & Cummins, 1985)
Veneridae	Pectunculus	exoleta	12	Tunberg, B, 1983b. Sarsia 68: 41-45.

Veneridae	Pectunculus	exoleta	9	Petersen, G. H., 1958.
Veneridae	Pectunculus	exoleta	7	Tunberg, 1984b (Callender and Powell, 1997)
Veneridae	Pectunculus	exoleta		Tunberg, B, 1983a. Sarsia 68: 33-41
Veneridae	Petunculus	exoleta	7	Comfort, 1964 (Heller, 1990)
Veneridae	Phacosoma	japonicum	10	Tanabe, K, 1988.
Veneridae	Protothaca	antiqua	12	Urban, 1996
Veneridae	Protothaca	laciniata	10	Fitch, JE, 1952.
Veneridae	Protothaca	staminea	10	Lees, DC, 2005 (unpub) Assessment of Bivalve Recovery, Prince William Sound
Veneridae	Protothaca	staminea	16	Chew and Ma 1987, Fraser and Smith 1928; Abbott 1974; Chew and Ma 1987 all in Emmett et al. 1991 (MSAP)
Veneridae	Protothaca	staminea	10	Fitch, JE, 1952.
Veneridae	Protothaca	staminea	8	Harrington, RJ 1985 dissertation (Takesue, RK and A. van Geen, 2004.)
Veneridae	Protothaca	staminea	13	Paul et al, 1976 (Powell & Cummins, 1985)
Veneridae	Protothaca	staminea	10	Schmidt, RR. and JE. Warme, 1969.
Veneridae	Protothaca	staminea	16	Zolotarev 1982; Table 1
Veneridae	Protothaca	thaca	17	Urban & Campos, 1994
Veneridae	Retrotapes	exalbida	70	Lomovasky et al, 2002
Veneridae	Ruditapes	japonica	3	Ohba, 1959 (Powell and Stanton, 1985)
Veneridae	Ruditapes	japonica	10	Frey 1971 in Emmett et al. 1991 (MSAP) (syn w V. philippinarum)
Veneridae	Ruditapes	philippinarum	2	Yap, 1977 (Powell & Cummins, 1985)
Veneridae	Saxidomus	brevisiphonata	63	Zolotarev, 1980
Veneridae	Saxidomus	brevisiphonata	76	Zolotarev, 1980 (Heller, 1990)
Veneridae	Saxidomus	gigantea	11	Zolotarev 1982; Table 1
Veneridae	Saxidomus gigantea	giganteus	20	Fraser, CM, 1929. (Rudy & Rudy, 1979.)
Veneridae	Saxidomus gigantea	giganteus	20	MSAP
Veneridae	Tapes	aurea	5	Hibbert, 1976 (Roberston, 1979)
Veneridae	Tawera	gayi	15	Lomovasky et al, 2005
Veneridae	Tawera	mawsoni	15	Lomovasky et al, 2005
Veneridae	Timoclea	micra	1.5	Mukai, 1974 (Robertson, 1979)
Veneridae	Timoclea	micra	1	Tanaka and Kikuchi, 1971 (Robertson, 1979)
Veneridae	Tivela	mactroides	2	Arriehe, D, and A Prieto, 2006.
Veneridae	Venerupis	pullastra	9	Cerrato, 1980 (Heller, 1990)
Veneridae	Venerupis	pullastra	8	Quayle, 1952 (Comfort, 1957)
Veneridae	Venerupis	pullastra	10	Johannessen, 1973 (Roberston, 1979)
Veneridae	Venerupis	rhomboides	10	Menesguen and Dreves, 1987 (Callender and Powell, 1997)
Veneridae	Venerupis	seneglensis	10	MarLIN BIOTIC = same as V. pullastra, V. saxatilis, V. corrugata
Vesicomysidae	Calyptogena	magnifica	11	Jones, 1983 (Heller, 1990)
Vesicomysidae	Calyptogena	magnifica	50	Lutz et al, 1988 (Callender and Powell, 1997)
Vesicomysidae	Calyptogena	magnifica	37	Rao and Roux, 1984 (Callender and Powell, 1997)

Vesicomylidae	Calyptogena	magnifica	37	Roux et al, 1985 (Callender and Powell, 1997)
Yoldiidae	Cnesterium	notabilis	17	Nakaoka, M and S Matsui, 1994.
Yoldiidae	Megayoldia	thraciaeformis	15	Hutchings and Haedrich, 1984 (Callender and Powell, 1997)
Yoldiidae	Yoldia	limatula	4	Lewis et al, 1982 (Powell & Cummins, 1985)
Yoldiidae	Yoldia	limatula	4	Nakaoka, M and S Matsui, 1994.
Yoldiidae	Yoldia	limatula	3	Sanders, 1956 (Roberston, 1979)

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