

The following appendix accompanies the article

Estimating the dispersal potential of polychaete species in the Southern California Bight: implications for designing marine reserves

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Appendix 1. Polychaete species of the Southern California Bight: occurrence frequency, feeding mode, life history information, and dispersal potential. Reproduction and development has been described for a few species, but the majority of entries in this table are extrapolated from species in the same genera or family. Frequency is based on sampling of 147 mainland-shelf sites and 53 island-shelf sites (blank: absent). Feeding behavior: P, planktotrophic; L, lecithotrophic (blank: unknown). ^ain Shanks 2001; ^bin Schroeder & Hermans 1975; ^cin Wilson 1991; ^din Strathmann 1987. Undet: undetermined

Taxon	Frequency (%)		Feeding mode	Life history	Dispersal potential	Source
	Mainland	Island				
Acoetidae						
<i>Acoetes pacifica</i>	3.40	5.66			Undet.	
<i>Polyodontes panamensis</i>	1.36	7.55			Undet.	
Acrocirridae						
<i>Acrocirrus frontifilis</i>		1.89		Not described	Undet.	Shanks 2001
<i>Acrocirrus</i> sp..		3.77		Not described	Undet.	Shanks 2001
<i>Macrochaeta</i> sp.. A		3.77		Not described	Undet.	Shanks 2001
Ampharetidae						
<i>Amage anops</i>	2.04	5.66		Confamilars vary	Undet.	Shanks 2001
<i>Ampharete acutifrons</i>	1.36	7.55		Congeners direct developers	Low	Thorson 1946
<i>Ampharete finmarchica</i>	4.76	11.32		Congeners direct developers	Low	Thorson 1946
<i>Ampharete goesi</i>		1.89		Congeners direct developers	Low	Thorson 1946
<i>Ampharete labrops</i>	38.78	7.55		Congeners direct developers	Low	Thorson 1946
<i>Ampharete</i> sp..	12.24	11.32		Congeners direct developers	Low	Thorson 1946

<i>Ampharetidae</i> sp. SD1	3.40	33.96		Confamilars vary	Undet.	Shanks 2001
<i>Amphicteis glabra</i>	2.04	7.55		Congeners internally brood	Low	Schroeder & Hermans 1975
<i>Amphicteis mucronata</i>		3.77		Congeners internally brood	Low	Schroeder & Hermans 1975
<i>Amphicteis scaphobranchiata</i>	30.61	15.09		Congeners internally brood	Low	Schroeder & Hermans 1975
<i>Amphicteis</i> sp.	4.76	9.43		Congeners internally brood	Low	Schroeder & Hermans 1975
<i>Anobothrus gracilis</i>	12.24	22.64		Congeners direct developers	Low	Thorson 1946
<i>Anobothrus</i> sp.	0.68			Congeners direct developers	Low	Thorson 1946
<i>Asabellides lineata</i>	7.48	33.96		Confamilars vary	Undet.	Shanks 2001
<i>Eclysippe trilobata</i>	11.56			Confamilars vary	Undet.	Shanks 2001
<i>Lysippe</i> sp.	0.68			Confamilars vary	Undet.	Shanks 2001
<i>Lysippe</i> sp. A	14.97	28.30		Confamilars vary	Undet.	Shanks 2001
<i>Lysippe</i> sp. B	17.01	16.98		Confamilars vary	Undet.	Shanks 2001
<i>Melinna heterodonta</i>	1.36	1.89	L	Congeners pelagic, 7 days in plankton	Medium	Grehan et al. 1991
<i>Melinna oculata</i>	36.73	13.21	L	Congeners pelagic, 7 days in plankton	Medium	Grehan et al. 1991
<i>Melinna</i> sp.	0.68		L	Congeners pelagic, 7 days in plankton	Medium	Grehan et al. 1991
<i>Mooresamytha bioculata</i>	9.52	1.89		Confamilars vary	Undet.	Shanks 2001
<i>Paramage scutata</i>	48.30	20.75		Confamilars vary	Undet.	Shanks 2001
<i>Sabellides manriquei</i>	23.13	3.77		Confamilars vary	Undet.	Shanks 2001
<i>Samytha californiensis</i>	8.16	1.89		Confamilars vary	Undet.	Shanks 2001
<i>Schistocomus hiltoni</i>	0.68			Confamilars vary	Undet.	Shanks 2001
<i>Schistocomus</i> sp. A	1.36	9.43		Confamilars vary	Undet.	Shanks 2001
<i>Sosane occidentalis</i>		1.89		Confamilars vary	Undet.	Shanks 2001
Amphinomidae						
<i>Chloeia pinnata</i>	15.65	41.51	P	Feeding rostraria stage	High	Shanks 2001
<i>Pareurythoe californica</i>		3.77	P	Feeding rostraria stage	High	Shanks 2001
Aphroditidae						
<i>Aphrodita</i> sp.	3.40	7.55		Congeners spawn to benthic development, Mobile Adults	Medium	Thorson 1946

Capitellidae						
<i>Amastigos acutus</i>	0.68			Confamilars vary	Undet.	Wilson 1991
<i>Anotomastus gordiodes</i>	12.93	1.89		Congeners vary. (direct dev. brooding, feeding and non-feeding pelagic larvae)	Undet.	Rouse 1992 ^a
<i>Capitella capitata</i> cplx	10.88	28.30	P	Direct development from jelly masses or short pelagic phase, Mobile Adults	Medium	Rouse 1992 ^a , Grantham et al. 2003
<i>Decamastus gracilis</i>	5.44	20.75		Congeners vary. (direct dev. brooding, feeding and non-feeding pelagic larvae)	Undet.	Shanks 2001
<i>Heteromastus filiformis</i>	0.68		P	Free-spawning, planktotrophic larvae	High	Shaffer 1983 ^c
<i>Mediomastus acutus</i>	1.36		P	Congeners encapsulate embryos in gelatinous masses or free spawn	High	Grassle & Grassle 1985 ^c , Rasmussen 1956 ^c
<i>Mediomastus</i> sp.	75.51	71.70	P	Congeners encapsulate embryos in gelatinous masses or free spawn	High	Grassle & Grassle 1985 ^c , Rasmussen 1956 ^c
<i>Notomastus hemipodus</i>	0.68		L	Congeners free spawning and show epitoky	High	Wilson 1933 ^c , Hartman 1947 ^b
<i>Notomastus latericeus</i>	2.04	5.66	L	Congeners free spawning and show epitoky	High	Wilson 1933 ^c
<i>Notomastus magnus</i>	4.08		L	Congeners free spawning and show epitoky	High	Wilson 1933 ^c , Hartman 1947 ^b
<i>Notomastus</i> sp.	0.68	13.21	L	Congeners free spawning and show epitoky	High	Wilson 1933 ^c , Hartman 1947 ^b
<i>Notomastus</i> sp. A	29.25	24.53	L	Congeners free spawning and show epitoky	High	Wilson 1933 ^c , Hartman 1947 ^b
<i>Pseudoleiocapitella</i> sp. HYP1		1.89		Confamilars vary	Undet.	Wilson 1991
Chaetopteridae						
<i>Chaetopterus variopedatus</i> cplx	0.68		P	Congeners free spawning, planktotrophic	High	Strathmann 1987, Wilson 1991
<i>Mesochaetopterus</i> sp.		5.66	P	Confamilars free spawning, planktotrophic	High	Strathmann 1987, Wilson 1991
<i>Phyllochaetopterus limicolus</i>	4.76	11.32	P	Confamilars free spawning, planktotrophic	High	Strathmann 1987, Wilson 1991
<i>Phyllochaetopterus prolifica</i>	5.44	15.09	P	Confamilars free spawning, planktotrophic, mobile adults	High	Strathmann 1987, Wilson 1991
<i>Phyllochaetopterus</i> sp.		1.89	P	Confamilars free spawning, planktotrophic, mobile adults	High	Strathmann 1987, Wilson 1991
<i>Spiochaetopterus costarum</i>	60.54	71.70	P	Confamilars free spawning, planktotrophic	High	Strathmann 1987, Wilson 1991
Cirratulidae						
<i>Aphelochaeta glandaria</i>	8.16	16.98		Egg Masses or Direct dev.	Low	Shanks 2001
<i>Aphelochaeta monilaris</i>	17.69	20.75		Egg Masses or Direct dev.	Low	Shanks 2001

<i>Aphelochaeta petersenae</i>	4.08	11.32		Egg Masses or Direct dev.	Low	Shanks 2001
<i>Aphelochaeta phillipsi</i>		7.55		Egg Masses or Direct dev.	Low	Shanks 2001
<i>Aphelochaeta</i> sp.	11.56	33.96		Egg Masses or Direct dev.	Low	Shanks 2001
<i>Aphelochaeta</i> sp. A	6.80	7.55		Egg Masses or Direct dev.	Low	Shanks 2001
<i>Aphelochaeta</i> sp. LA1	1.36	32.08		Egg Masses or Direct dev.	Low	Shanks 2001
<i>Aphelochaeta</i> sp. LA2		5.66		Egg Masses or Direct dev.	Low	Shanks 2001
<i>Aphelochaeta</i> sp. SD2		5.66		Egg Masses or Direct dev.	Low	Shanks 2001
<i>Aphelochaeta</i> sp. SD3		1.89		Egg Masses or Direct dev.	Low	Shanks 2001
<i>Aphelochaeta</i> sp. SD5		1.89		Egg Masses or Direct dev.	Low	Shanks 2001
<i>Aphelochaeta tigrina</i>		5.66		Egg Masses or Direct dev.	Low	Shanks 2001
<i>Aphelochaeta williamsae</i>		1.89		Egg Masses or Direct dev.	Low	Shanks 2001
<i>Caulleriella pacifica</i>		15.09		Congeners brood, directly develop	Low	Wilson 1991
<i>Caulleriella</i> sp. SD2		1.89		Congeners brood, directly develop	Low	Wilson 1991
<i>Chaetozone armata</i>	2.72	15.09	L	Congeners free-spawn	Medium	Christie 1985 ^c
<i>Chaetozone corona</i>	34.69	3.77	L	Congeners free-spawn	Medium	Christie 1985 ^c
<i>Chaetozone hartmanae</i>	12.93	39.62	L	Congeners free-spawn	Medium	Christie 1985 ^c
<i>Chaetozone hedgpethi</i>	1.36	18.87	L	Congeners free-spawn	Medium	Christie 1985 ^c
<i>Chaetozone senticosa</i>	0.68		L	Congeners free-spawn	Medium	Christie 1985 ^c
<i>Chaetozone setosa</i> Cmplx	15.65	18.87	L	Free-spawning	Medium	Christie 1985 ^c
<i>Chaetozone</i> sp.	7.48	33.96	L	Congeners free-spawn	Medium	Christie 1985 ^c
<i>Chaetozone</i> sp. HYP1		1.89	L	Congeners free-spawn	Medium	Christie 1985 ^c
<i>Chaetozone</i> sp. HYP2		1.89	L	Congeners free-spawn	Medium	Christie 1985 ^c
<i>Chaetozone</i> sp. HYP3		1.89	L	Congeners free-spawn	Medium	Christie 1985 ^c
<i>Chaetozone</i> sp. HYP6	1.36		L	Congeners free-spawn	Medium	Christie 1985 ^c
<i>Chaetozone</i> sp. SD2	2.72		L	Congeners free-spawn	Medium	Christie 1985 ^c
<i>Chaetozone</i> sp. SD3	1.36	7.55	L	Congeners free-spawn	Medium	Christie 1985 ^c
<i>Chaetozone</i> sp. SD5	1.36	11.32	L	Congeners free-spawn	Medium	Christie 1985 ^c
<i>Chaetozone</i> sp. SD6		1.89	L	Congeners free-spawn	Medium	Christie 1985 ^c
<i>Cirratulus</i> sp.	2.72		P	Congeners externally brood, 13 day larval duration	High	Schroeder & Hermans 1975, Grantham et al. 2003
<i>Cirriformia</i> sp.	0.68		L	Congeners free-spawn, larval duration about a week	Medium	Wilson 1991, Grantham et al. 2003
<i>Cirriformia</i> sp. B	1.36		L	Congeners free-spawn, larval duration about a week	Medium	Wilson 1991, Grantham et al

						2003
<i>Cirriformia</i> sp. LA1	1.36		L	Congeners free-spawn, larval duration about a week	Medium	Wilson 1991, Grantham et al. 2003
<i>Cirriformia</i> sp. SD1	2.04		L	Congeners free-spawn, larval duration about a week	Medium	Wilson 1991, Grantham et al. 2003
<i>Cirriformia</i> sp. SD2	0.68			Egg Masses or Direct dev.	Low	Shanks 2001
<i>Monticellina cryptica</i>	55.78	28.30		Egg Masses or Direct dev.	Low	Shanks 2001
<i>Monticellina serratiseta</i>	0.68			Egg Masses or Direct dev.	Low	Shanks 2001
<i>Monticellina siblina</i>	32.65	24.53		Egg Masses or Direct dev.	Low	Shanks 2001
<i>Monticellina</i> sp.	6.80	18.87		Egg Masses or Direct dev.	Low	Shanks 2001
<i>Monticellina</i> sp. HYP1		1.89		Egg Masses or Direct dev.	Low	Shanks 2001
<i>Monticellina</i> sp. SD4	2.04	1.89		Egg Masses or Direct dev.	Low	Shanks 2001
<i>Monticellina tessellata</i>	3.40	22.64		Egg Masses or Direct dev.	Low	Shanks 2001
<i>Protocirrineris</i> sp.	0.68	1.89		Egg Masses or Direct dev.	Low	Shanks 2001
<i>Protocirrineris</i> sp. B	0.68	5.66		Egg Masses or Direct dev.	Low	Shanks 2001
Cossuridae						
<i>Cossura candida</i>	21.77	3.77		Not described	Undet.	Shanks 2001
<i>Cossura</i> sp.	4.08	3.77		Not described	Undet.	Shanks 2001
<i>Cossura</i> sp. A	26.53	5.66		Not described	Undet.	Shanks 2001
Dorvilleidae						
<i>Dorvillea (dorvillea)</i> sp.		3.77	L	Pelagic Larvae, swim at surface	Medium	Moore 1903 ^a , Blake 1975 ^c
<i>Dorvillea (Schistomeringos)</i> sp.	1.36	7.55	L	Pelagic Larvae, swim at surface	Medium	Moore 1903 ^a , Blake 1975 ^c
<i>Parougia caeca</i>	2.04	3.77		Confamilars vary	Undet.	Wilson 1991
<i>Protodorvillea gracilis</i>	1.36	16.98		Confamilars vary	Undet.	Wilson 1991
Eunicidae						
<i>Eunice americana</i>	25.17	1.89	P	Congeners free spawning	High	Richards 1967 ^c
<i>Marphysa disjuncta</i>	6.12		L	Benthic Larvae, congeners use egg masses, Epitoky	Low	Pillai 1958 ^c

<i>Marphysa</i> sp.	2.72	1.89	L	Benthic Larvae, congeners use egg masses, Epitoky	Low	Pillai 1958 ^c
<i>Marphysa</i> sp. A	8.84		L	Benthic Larvae, congeners use egg masses, Epitoky	Low	Pillai 1958 ^c
Fauveliopsidae						
<i>Fauveliopsis armata</i>		1.89		Not described	Undet.	Shanks 2001
<i>Fauveliopsis</i> sp. SD1	0.68	1.89		Not described	Undet.	Shanks 2001
Flabelligeridae						
<i>Brada villosa</i>	2.04			Confamilars vary: some brood externally with direct dev., others free spawn pelagic larvae	Undet.	Thorson 1946, Gravier 1923 ^c , Spies 1977
<i>Diplocirrus</i> sp. SD1	2.04			Confamilars vary: some brood externally with direct dev., others free spawn pelagic larvae	Undet.	Thorson 1946, Gravier 1923 ^c , Spies 1977
<i>Flabelligella</i> sp. LA1		1.89		Confamilars vary: some brood externally with direct dev., others free spawn pelagic larvae	Undet.	Thorson 1946, Gravier 1923 ^c , Spies 1977
<i>Pherusa capulata</i>		1.89		Confamilars vary: some brood externally with direct dev., others free spawn pelagic larvae	Undet.	Thorson 1946, Gravier 1923 ^c , Spies 1977
<i>Pherusa negligens</i>		1.89		Confamilars vary: some brood externally with direct dev., others free spawn pelagic larvae	Undet.	Thorson 1946, Gravier 1923 ^c , Spies 1977
<i>Pherusa neopapillata</i>	8.84	3.77		Confamilars vary: some brood externally with direct dev., others free spawn pelagic larvae	Undet.	Thorson 1946, Gravier 1923 ^c , Spies 1977
<i>Pherusa</i> sp.	2.72	7.55		Confamilars vary: some brood externally with direct dev., others free spawn pelagic larvae	Undet.	Thorson 1946, Gravier 1923 ^c , Spies 1977
<i>Piromis</i> sp.		1.89		Confamilars vary: some brood externally with direct dev., others free spawn pelagic larvae	Undet.	Thorson 1946, Gravier 1923 ^c , Spies 1977
<i>Piromis</i> sp. A	6.12	3.77		Confamilars vary: some brood externally with direct dev., others free spawn pelagic larvae	Undet.	Thorson 1946, Gravier 1923 ^c , Spies 1977
Glyceridae						
<i>Glycera americana</i>	17.01	18.87	P	Pelagic + later benthic stage, Epitoky, Mobile Adults	High	Strathmann 1987, Shanks 2001
<i>Glycera capitata</i>		1.89	P	Pelagic + later benthic stage, Epitoky, Mobile Adults	High	Strathmann 1987, Shanks 2001
<i>Glycera gigantea</i>	0.68		P	Pelagic + later benthic stage, Epitoky, Mobile Adults	High	Strathmann 1987, Shanks 2001
<i>Glycera macrobranchia</i>	15.65		P	Pelagic + later benthic stage, Epitoky, Mobile Adults	High	Strathmann 1987, Shanks 2001
<i>Glycera nana</i>	46.26	24.53	P	Pelagic + later benthic stage, Epitoky, Mobile Adults	High	Strathmann 1987, Shanks 2001

<i>Glyceria oxycephala</i>	8.16	7.55	P	Pelagic + later benthic stage, Epitoky, Mobile Adults	High	Strathmann 1987, Shanks 2001
<i>Glyceria</i> sp.	5.44	3.77	P	Pelagic + later benthic stage, Epitoky, Mobile Adults	High	Strathmann 1987, Shanks 2001
<i>Glyceria</i> sp. LA1	1.36	16.98	P	Pelagic + later benthic stage, Epitoky, Mobile Adults	High	Strathmann 1987, Shanks 2001
<i>Glyceria tenuis</i>	0.68	1.89	P	Pelagic + later benthic stage, Epitoky, Mobile Adults	High	Strathmann 1987, Shanks 2001
<i>Hemipodus borealis</i>	0.68	1.89	P	Pelagic + later benthic stage, Epitoky, Mobile Adults	High	Strathmann 1987, Shanks 2001
Goniadidae						
<i>Glycinde armigera</i>	29.25	5.66		Congeners free spawning, accounts of feeding vary	Medium	Blake 1975 ^c , Grantham et al. 2003
<i>Goniada brunnea</i>	2.72	3.77	P	Congeners free spawning, planktotrophic	High	Cazaux 1972 ^c
<i>Goniada littorea</i>	16.33		P	Congeners free spawning, planktotrophic	High	Cazaux 1972 ^c
<i>Goniada maculata</i>	48.30	26.42	P	Congeners free spawning, planktotrophic	High	Cazaux 1972 ^c
<i>Goniada</i> sp.	1.36		P	Congeners free spawning, planktotrophic	High	Cazaux 1972 ^c
Hesionidae						
<i>Gyptis</i> sp.	1.36			Congeners vary	Undet.	Wilson 1991
<i>Heteropodarke heteromorpha</i>		13.21		Confamilars vary	Undet.	Wilson 1991
<i>Microphthalmus hystrix</i>		1.89		Congeners vary	Undet.	Wilson 1991
<i>Microphthalmus</i> sp.		1.89		Congeners vary	Undet.	Wilson 1991
<i>Micropodarke dubia</i>	0.68	11.32		Confamilars vary	Undet.	Wilson 1991
<i>Ophiodromus pugettensis</i>	2.04	5.66	L	10 day larval duration, Mobile Adults	High	Blake 1975 ^{a,d} , Grantham et al. 2003
<i>Podarkeopsis glabrus</i>	19.73	7.55	L	Congeners have short pelagic stage, Mobile Adults	Medium	Blake 1975 ^d , Shanks 2001
<i>Podarkeopsis</i> sp. A	8.84		L	Congeners have short pelagic stage, Mobile Adults	Medium	Blake 1975 ^d , Shanks 2001
Lacydoniidae						
<i>Lacydonia</i> sp.		5.66			Undet.	
Longosomatidae						

<i>Heterospio catalinensis</i>	3.40	1.89			Undet.	
Lumbrineridae						
<i>Eranno lagunae</i>	6.12	5.66		Mobile Adults	Undet.	Pechenik 2000
<i>Lumbrinerides platypygos</i>	2.04	20.75		Mobile Adults	Undet.	Pechenik 2000
<i>Lumbrineris californiensis</i>	19.73	24.53		Congeners vary - many brood in tube with direct dev., Mobile Adults	Undet.	Wilson 1991, Grantham et al. 2003
<i>Lumbrineris cruzensis</i>	29.93	11.32		Congeners vary - many brood in tube with direct dev., Mobile Adults	Undet.	Wilson 1991, Grantham et al. 2003
<i>Lumbrineris erecta</i>	1.36			Congeners vary - many brood in tube with direct dev., Mobile Adults	Undet.	Wilson 1991, Grantham et al. 2003
<i>Lumbrineris japonica</i>	11.56	11.32		Congeners vary - many brood in tube with direct dev., Mobile Adults	Undet.	Wilson 1991, Grantham et al. 2003
<i>Lumbrineris latreilli</i>	3.40	39.62		Brooded, Direct Dev. 0 days in plankton, Mobile Adults	Low	Richards 1967 ^c
<i>Lumbrineris limicola</i>		1.89		Congeners vary - many brood in tube with direct dev., Mobile Adults	Undet.	Wilson 1991, Grantham et al. 2003
<i>Lumbrineris</i> sp.	27.89	32.08		Congeners vary - many brood in tube with direct dev., Mobile Adults	Undet.	Wilson 1991, Grantham et al. 2003
<i>Ninoe tridentata</i>	8.16	1.89		Congeners externally brood	Low	Schroeder & Hermans 1975
<i>Paraninoe fusca</i>	0.68			Mobile Adults	Undet.	Pechenik 2000
<i>Scoletoma</i> sp. A	6.80			Mobile Adults	Undet.	Pechenik 2000
<i>Scoletoma</i> sp. C	5.44	3.77		Mobile Adults	Undet.	Pechenik 2000
<i>Scoletoma tetraura</i> Cmplx	10.88	7.55		Mobile Adults	Undet.	Pechenik 2000
Magelonidae						
<i>Magelona berkeleyi</i>	4.08	5.66	P	Congeners planktotropic	High	Fauchald 1983
<i>Magelona</i> sp.	0.68	1.89	P	Congeners planktotropic	High	Fauchald 1983
<i>Magelona</i> sp. A	0.68		P	Congeners planktotropic	High	Fauchald 1983
<i>Magelona</i> sp. SD10	2.04	1.89	P	Congeners planktotropic	High	Fauchald 1983

Maldanidae						
<i>Axiothella rubrocincta</i>	1.36	3.77	L	Broods in tube or spawns, benthic development	Low	Wilson 1983 ^{c,d}
<i>Clymenella complanata</i>	5.44			Congeners directly develop or have lecithotrophic larvae	Undet.	Wilson 1991
<i>Clymenella</i> sp.		3.77		Congeners directly develop or have lecithotrophic larvae	Undet.	Wilson 1991
<i>Clymenella</i> sp. A	2.04			Congeners directly develop or have lecithotrophic larvae	Undet.	Wilson 1991
<i>Clymenura columbiana</i>		1.89		Most species in this family show direct development, Presumed Non-pelagic	Low	Thorson 1946, Wilson 1991
<i>Clymenura gracilis</i>	13.61	11.32		Most species in this family show direct development, Presumed Non-pelagic	Low	Thorson 1946, Wilson 1991
<i>Euclymene campanula</i>	0.68		L	Congeners free-spawning	Medium	Rouse 1992 ^a
<i>Euclymeninae</i> sp. A	61.22	67.92	L	Congeners free-spawning	Medium	Rouse 1992 ^a
<i>Isocirrus longiceps</i>		3.77		Most species in this family show direct development, Presumed Non-pelagic	Low	Thorson 1946, Wilson 1991
<i>Maldane sarsi</i>	26.53	15.09		Most species in this family show direct development, Presumed Non-pelagic	Low	Thorson 1946, Wilson 1991
<i>Maldanella robusta</i>		1.89		Most species in this family show direct development, Presumed Non-pelagic	Low	Thorson 1946, Wilson 1991
<i>Maldanidae</i> sp. 1	6.12	3.77		Most species in this family show direct development, Presumed Non-pelagic	Low	Thorson 1946, Wilson 1991
<i>Metasychis disparidentatus</i>	38.78	16.98		Most species in this family show direct development, Presumed Non-pelagic	Low	Thorson 1946, Wilson 1991
<i>Notoproctus pacificus</i>	2.04	3.77		Most species in this family show direct development, Presumed Non-pelagic	Low	Thorson 1946, Wilson 1991
<i>Petaloclymene pacifica</i>	26.53	16.98		Most species in this family show direct development, Presumed Non-pelagic	Low	Thorson 1946, Wilson 1991
<i>Petaloproctus neoborealis</i>	0.68	1.89		Most species in this family show direct development, Presumed Non-pelagic	Low	Thorson 1946, Wilson 1991
<i>Praxillella gracilis</i>	1.36	1.89		Most species in this family show direct development, Presumed Non-pelagic	Low	Thorson 1946, Wilson 1991
<i>Praxillella pacifica</i>	42.18	26.42		Most species in this family show direct development, Presumed Non-pelagic	Low	Thorson 1946, Wilson 1991
<i>Praxillura maculata</i>	4.08			Most species in this family show direct development, Presumed Non-pelagic	Low	Thorson 1946, Wilson 1991
<i>Rhodine bitorquata</i>	12.24	5.66		Most species in this family show direct development, Presumed Non-pelagic	Low	Thorson 1946, Wilson 1992
Nephtyidae						
<i>Aglaophamus verrilli</i>	17.69	37.74	P	Pelagic larvae, Mobile Adults	High	Strathmann 1987, Grantham et al. 2003
<i>Nephtys caecoides</i>	47.62	16.98	P	Pelagic larvae, Mobile Adults	High	Strathmann 1987, Grantham et al. 2003

<i>Nephtys californiensis</i>		5.66	P	Pelagic larvae, Mobile Adults	High	Strathmann 1987, Grantham et al. 2003
<i>Nephtys cornuta</i>	8.84		P	Pelagic larvae, Mobile Adults	High	Strathmann 1987, Grantham et al. 2003
<i>Nephtys ferruginea</i>	36.05	35.85	P	Pelagic larvae, Mobile Adults	High	Strathmann 1987, Grantham et al. 2003
<i>Nephtys simoni</i>	1.36	11.32	P	Pelagic larvae, Mobile Adults	High	Strathmann 1987, Grantham et al. 2003
<i>Nephtys</i> sp.	6.80	18.87	P	Pelagic larvae, Mobile Adults	High	Strathmann 1987, Grantham et al. 2003
<i>Nephtys</i> sp. SD2	0.68		P	Pelagic larvae, Mobile Adults	High	Strathmann 1987, Grantham et al. 2003
<i>Nephtys squamosa</i>		7.55	P	Pelagic larvae, Mobile Adults	High	Strathmann 1987, Grantham et al. 2003
Nereididae						
<i>Gymnonereis crosslandi</i>	20.41	11.32		Confamilars vary	Undet.	Shanks 2001
<i>Nereis latescens</i>	0.68		L	Congeners: 7 day larval duration, "Rafting likely", Swarming adults	Medium	Strathmann 1987, Grantham et al. 2003
<i>Nereis procera</i>	37.41	7.55	L	7 day larval duration, "Rafting likely", Swarming adults	Medium	Strathmann 1987, Grantham et al. 2003
<i>Nicon moniloceras</i>		1.89		Confamilars vary	Undet.	Shanks 2001
<i>Platynereis bicanaliculata</i>	8.84	1.89	L	Pelagic, 25 day larval duration	High	Strathmann 1987, Grantham et al. 2003
Oeonidae						
<i>Arabella</i> sp.	4.76	5.66			Undet.	
<i>Drilonereis falcata</i>	3.40				Undet.	
<i>Drilonereis longa</i>	1.36	1.89			Undet.	
<i>Drilonereis mexicana</i>	2.72	1.89			Undet.	
<i>Drilonereis nuda</i>	0.68				Undet.	
<i>Drilonereis</i> sp.	21.77	5.66			Undet.	
<i>Drilonereis</i> sp. A	5.44	1.89			Undet.	
<i>Notocirrus californiensis</i>	6.80				Undet.	

Onuphidae						
<i>Diopatra ornata</i>	14.97		L	Congeners brood in egg masses, Pelagic for 3 days	Medium	Allen 1959 ^d , Shanks 2001
<i>Diopatra</i> sp.	33.33	15.09	L	Congeners brood in egg masses, Pelagic for 3 days	Medium	Allen 1959 ^d , Shanks 2001
<i>Diopatra splendidissima</i>	4.08		L	Congeners brood in egg masses, Pelagic for 3 days	Medium	Allen 1959 ^d , Shanks 2001
<i>Diopatra tridentata</i>	41.50	15.09	L	Congeners brood in egg masses, Pelagic for 3 days	Medium	Allen 1959 ^d , Shanks 2001
<i>Hyalinoecia juvenalis</i>	4.08	1.89		Most species in family brood in tubes or egg masses	Low	Wilson 1991
<i>Mooreonuphis exigua</i>		5.66		Most species in family brood in tubes or egg masses	Low	Wilson 1991
<i>Mooreonuphis nebulosa</i>	36.05	1.89		Most species in family brood in tubes or egg masses	Low	Wilson 1991
<i>Mooreonuphis segmentispadix</i>		1.89		Most species in family brood in tubes or egg masses	Low	Wilson 1991
<i>Mooreonuphis</i> sp.	2.04	9.43		Most species in family brood in tubes or egg masses	Low	Wilson 1991
<i>Mooreonuphis</i> sp. SD1	0.68	11.32		Most species in family brood in tubes or egg masses	Low	Wilson 1991
<i>Nothria</i> sp.		5.66		Most species in family brood in tubes or egg masses	Low	Wilson 1991
<i>Onuphis eremita parva</i>	4.08	5.66		Congeners brood	Low	Strathmann 1987
<i>Onuphis iridescens</i>	2.72	1.89		Brooder	Low	Strathmann 1987
<i>Onuphis</i> sp.	5.44	7.55		Congeners brood	Low	Strathmann 1987
<i>Onuphis</i> sp. 1	36.05	18.87		Congeners brood	Low	Strathmann 1987
<i>Paradiopatra parva</i>	22.45	30.19		Most species in family brood in tubes or egg masses	Low	Wilson 1991
<i>Rhamphobrachium longisetosum</i>	3.40	5.66		Congeners internally brood	Low	Schroeder & Hermans 1975
Opheliidae						
<i>Armandia brevis</i>	2.04	3.77	P	Pelagic for 3 weeks to several months, Epitoky	High	Hermans 1966 ^d , Grantham et al. 2003
<i>Armandia</i> sp. SD1		1.89	P	Congeners pelagic for 3 weeks to several months, Epitoky	High	Hermans 1966 ^d , Grantham et al. 2003
<i>Ophelia pulchella</i>	0.68			Confamilials vary	Undet.	Shanks 2001
<i>Ophelina acuminata</i>	2.72	3.77		Confamilials vary	Undet.	Shanks 2001
<i>Ophelina</i> sp. SD1		3.77		Confamilials vary	Undet.	Shanks 2001

<i>Travisia brevis</i>	4.08	11.32		Confamilars vary	Undet.	Shanks 2001
<i>Travisia gigas</i>		1.89		Confamilars vary	Undet.	Shanks 2001
Orbiniidae						
<i>Leitoscoloplos panamensis</i>	4.08	5.66		Congeners develop directly from egg masses, swim for a "short time" as nectochaetes	Medium	Shanks 2001, Blake 1980 ^{c,d}
<i>Leitoscoloplos pugettensis</i>	35.37	15.09		Direct Dev. from egg masses, Swim for a "short time" as nectochaetes	Medium	Shanks 2001, Blake 1980 ^{c,d}
<i>Leitoscoloplos</i> sp.	0.68	1.89		Direct Dev. from egg masses, Swim for a "short time" as nectochaetes	Medium	Shanks 2001, Blake 1980 ^{c,d}
<i>Naineris uncinata</i>	0.68	3.77		Congeners dev. from egg masses, swim for a "short time" as nectochaetes	Medium	Strathmann 1987, Shanks 2001, Grantham et al. 2003
<i>Phylo felix</i>		1.89		Direct Dev. from egg masses, Swim for a "short time" as nectochaetes	Medium	Shanks 2001, Blake 1980 ^{c,d}
<i>Scoloplos acmeceps</i>	2.04	5.66		Congeners vary, many develop from egg masses and are nonpelagic or pelagic and lecithotrophic	Undet.	Blake 1980 ^{a,c} , Grantham et al. 2003
<i>Scoloplos armiger</i> Cmplx	8.84	9.43	L	Direct development from egg masses	Low	Wilson 1991, Grantham et al. 2003
<i>Scoloplos</i> sp.		1.89	L	Congers directly develop from egg masses	Low	Wilson 1991, Grantham et al. 2003
Oweniidae						
<i>Galathowenia pygidialis</i>	1.36	1.89	P	Egg Masses, Pelagic swimming, also a Mitraria stage	High	Strathmann 1987
<i>Myriochele gracilis</i>	3.40	5.66	P	Egg Masses, Pelagic swimming, also a Mitraria stage	High	Strathmann 1987
<i>Myriochele</i> sp.	2.04	1.89	P	Egg Masses, Pelagic swimming, also a Mitraria stage	High	Strathmann 1987
<i>Myriochele striolata</i>	8.84	15.09	P	Egg Masses, Pelagic swimming, also a Mitraria stage	High	Strathmann 1987
<i>Myriowenia californiensis</i>	1.36		P	Egg Masses, Pelagic swimming, also a Mitraria stage	High	Strathmann 1987
<i>Owenia collaris</i>	39.46	43.40	P	Egg Masses, Pelagic swimming, also a Mitraria stage	High	Strathmann 1987
Paraonidae						
<i>Aricidea (Acmira) catherinae</i>	27.21	37.74		Development Unknown	Undet.	Shanks 2001
<i>Aricidea (Acmira) cerrutii</i>		13.21		Development Unknown	Undet.	Shanks 2001
<i>Aricidea (Acmira) horikoshii</i>	8.16	3.77		Development Unknown	Undet.	Shanks 2001
<i>Aricidea (Acmira) lopezi</i>	1.36	1.89		Development Unknown	Undet.	Shanks 2001
<i>Aricidea (acmira) rubra</i>		3.77		Development Unknown	Undet.	Shanks 2001

<i>Aricidea (Acmira) simplex</i>	5.44	47.17		Development Unknown	Undet.	Shanks 2001
<i>Aricidea (Acmira) sp.</i>	2.04	7.55		Development Unknown	Undet.	Shanks 2001
<i>Aricidea (acmira) sp. LA1</i>		3.77		Development Unknown	Undet.	Shanks 2001
<i>Aricidea (acmira) sp. SD1</i>		9.43		Development Unknown	Undet.	Shanks 2001
<i>Aricidea (acmira) taylori</i>	0.68			Development Unknown	Undet.	Shanks 2001
<i>Aricidea (Allia) antennata</i>	9.52	22.64		Development Unknown	Undet.	Shanks 2001
<i>Aricidea (Allia) hartleyi</i>	2.72	5.66		Development Unknown	Undet.	Shanks 2001
<i>Aricidea (Allia) sp. A</i>	12.24	9.43		Development Unknown	Undet.	Shanks 2001
<i>Aricidea (allia) sp. LA1</i>		1.89		Development Unknown	Undet.	Shanks 2001
<i>Aricidea (Aricidea) pseudoarticulata</i>		5.66		Development Unknown	Undet.	Shanks 2001
<i>Aricidea (Aricidea) sp. SD1</i>	1.36	5.66		Development Unknown	Undet.	Shanks 2001
<i>Aricidea (Aricidea) sp. SD2</i>	0.68			Development Unknown	Undet.	Shanks 2001
<i>Aricidea (Aricidea) wassi</i>	8.16	7.55		Development Unknown	Undet.	Shanks 2001
<i>Cirrophorus branchiatus</i>		3.77		Development Unknown	Undet.	Shanks 2001
<i>Cirrophorus furcatus</i>	1.36	3.77		Development Unknown	Undet.	Shanks 2001
<i>Levinsenia gracilis</i>	22.45	28.30		Development Unknown	Undet.	Shanks 2001
<i>Levinsenia multibranchiata</i>	2.72			Development Unknown	Undet.	Shanks 2001

<i>Levinsenia oculata</i>	2.04	7.55		Development Unknown	Undet.	Shanks 2001
<i>Paradoneis lyra</i>	0.68	9.43		Development Unknown	Undet.	Shanks 2001
<i>Paradoneis</i> sp.	2.04	28.30		Development Unknown	Undet.	Shanks 2001
<i>Paradoneis spinifera</i>		7.55		Development Unknown	Undet.	Shanks 2001
<i>Paraonella platybranchia</i>		3.77		Development Unknown	Undet.	Shanks 2001
Pectinariidae						
<i>Pectinaria californiensis</i>	59.86	18.87	P	Pelagic, 1 month in plankton	High	Strathmann 1987, Irlinger et al. 1991
Pholoidae						
<i>Pholoe glabra</i>	27.89	35.85		Development not described, Mobile Adults	Undet.	Shanks 2001
<i>Pholoides asperus</i>	0.68	11.32		Development not described, Mobile Adults	Undet.	Shanks 2001
Phyllodocidae						
<i>Eteone californica</i>	0.68	1.89		Congeners free spawn	Medium	Wilson 1991
<i>Eteone</i> sp.	0.68	1.89		Congeners free spawn	Medium	Wilson 1991
<i>Eulalia californiensis</i>	1.36	11.32	P	Congeners epitokous. Benthic spawning or egg masses, pelagic trocophores and nectochaetes.	High	Schroeder & Hermans 1975, Shanks 2001
<i>Eulalia levicornuta</i>	4.08	13.21	P	Congeners epitokous. Benthic spawning or egg masses, pelagic trocophores and nectochaetes.	High	Schroeder & Hermans 1975, Shanks 2001
<i>Eulalia quadrioculata</i>	0.68	1.89	P	Congeners epitokous. Benthic spawning or egg masses, pelagic trocophores and nectochaetes.	High	Schroeder & Hermans 1975, Shanks 2001
<i>Eulalia</i> sp.	1.36	9.43	P	Congeners epitokous. Benthic spawning or egg masses, pelagic trocophores and nectochaetes.	High	Schroeder & Hermans 1975, Shanks 2001
<i>Eumida longicornuta</i>	8.16	1.89	P	Benthic spawning or egg masses, pelagic trocophores and nectochaetes. Epitoky and Mobile Adults.	High	Strathmann 1987, Shanks 2001
<i>Hesionura coineaui difficilis</i>	0.68	16.98	P	Benthic spawning or egg masses, pelagic trocophores and nectochaetes. Epitoky and Mobile Adults.	High	Strathmann 1987, Shanks 2001
<i>Mystides caeca</i>		1.89	P	Benthic spawning or egg masses, pelagic trocophores and nectochaetes. Epitoky and Mobile Adults.	High	Strathmann 1987, Shanks 2001
<i>Nereiphylla</i> sp. 1	1.36	13.21	P	Benthic spawning or egg masses, pelagic trocophores and nectochaetes. Epitoky and Mobile	High	Strathmann 1987, Shanks 2001

				Adults.		
<i>Nereiphylla</i> sp. 3	0.68		P	Benthic spawning or egg masses, pelagic trocophores and nectochaetes. Epitoky and Mobile Adults.	High	Strathmann 1987, Shanks 2001
<i>Paranaitis polynoides</i>	1.36	1.89	P	Benthic spawning or egg masses, pelagic trocophores and nectochaetes. Epitoky and Mobile Adults.	High	Strathmann 1987, Shanks 2001
<i>Phyllodoce cuspidata</i>	1.36		P	Egg masses, pelagic trocophores and nectochaetes. Epitoky and Mobile Adults.	High	Strathmann 1987, Shanks 2001
<i>Phyllodoce groenlandica</i>	1.36	3.77	P	Egg masses, pelagic trocophores and nectochaetes. Epitoky and Mobile Adults.	High	Strathmann 1987, Shanks 2001
<i>Phyllodoce hartmanae</i>	33.33	26.42	P	Benthic spawning or egg masses, pelagic trocophores and nectochaetes. Epitoky and Mobile Adults.	High	Strathmann 1987, Shanks 2001
<i>Phyllodoce longipes</i>	24.49	3.77	P	Benthic spawning or egg masses, pelagic trocophores and nectochaetes. Epitoky and Mobile Adults.	High	Strathmann 1987, Shanks 2001
<i>Phyllodoce medipapillata</i>	1.36	3.77	P	Benthic spawning or egg masses, pelagic trocophores and nectochaetes. Epitoky and Mobile Adults.	High	Strathmann 1987, Shanks 2001
<i>Phyllodoce pettiboneae</i>	38.10	39.62	P	Benthic spawning or egg masses, pelagic trocophores and nectochaetes. Epitoky and Mobile Adults.	High	Strathmann 1987, Shanks 2001
<i>Phyllodoce</i> sp.	5.44	5.66	P	Benthic spawning or egg masses, pelagic trocophores and nectochaetes. Epitoky and Mobile Adults.	High	Strathmann 1987, Shanks 2001
<i>Protomystides</i> sp. SD1		3.77	P	Benthic spawning or egg masses, pelagic trocophores and nectochaetes. Epitoky and Mobile Adults.	High	Strathmann 1987, Shanks 2001
<i>Pterocirrus</i> sp. A	0.68	1.89	P	Benthic spawning or egg masses, pelagic trocophores and nectochaetes. Epitoky and Mobile Adults.	High	Strathmann 1987, Shanks 2001
<i>Sige</i> sp. A	14.97	3.77	P	Benthic spawning or egg masses, pelagic trocophores and nectochaetes. Epitoky and Mobile Adults.	High	Strathmann 1987, Shanks 2001
Pilgaridae						
<i>Parandalia fauveli</i>	4.76			Development not described, Mobile Adults	Undet.	Shanks 2001
<i>Pilargidae</i> genus A sp. A		1.89		Development not described, Mobile Adults	Undet.	Shanks 2001
<i>Pilargis berkeleyae</i>	2.72	1.89		Development not described, Mobile Adults	Undet.	Shanks 2001
<i>Pilargis</i> sp.	0.68			Development not described, Mobile Adults	Undet.	Shanks 2001

<i>Pilargis</i> sp. 1	3.40			Development not described, Mobile Adults	Undet.	Shanks 2001
<i>Sigambra bassi</i>	0.68			Development not described, Mobile Adults	Undet.	Shanks 2001
<i>Sigambra tentaculata</i>	8.84			Development not described, Mobile Adults	Undet.	Shanks 2001
<i>Synelmis albini</i>		1.89		Development not described, Mobile Adults	Undet.	Shanks 2001
<i>Ancistrosyllis hamata</i>	1.36			Development not described, Mobile Adults	Undet.	Shanks 2001
Pisionidae						
<i>Pisione remota</i>	0.68	5.66		Internal fertilization	Undet.	Schroeder & Hermans 1975
Poecilochaetidae						
<i>Poecilochaetus johnsoni</i>	17.69	5.66	P	Congeners free spawning with feeding, planktonic larvae	High	Hannerz 1956 ^c
<i>Poecilochaetus</i> sp.	30.61	5.66	P	Congeners free spawning with feeding, planktonic larvae	High	Hannerz 1956 ^c
<i>Poecilochaetus</i> sp. A	36.73	3.77	P	Congeners free spawning with feeding, planktonic larvae	High	Hannerz 1956 ^c
Polynoidae						
<i>Halosydna brevisetosa</i>	0.68		P	Free-spawning, planktotrophic larvae	High	Blake 1975 ^c
<i>Halosydna latior</i>	0.68		P	Congeners free-spawn, planktotrophic larvae	High	Wilson 1991
<i>Halosydna</i> sp.	0.68		P	Congeners free-spawn, planktotrophic larvae	High	Wilson 1991
<i>Harmothoe imbricata</i> cplx	0.68		P	Free-spawning or external brooding, planktotrophic larvae	High	Wilson 1991
<i>Harmothoe</i> sp.	0.68		P	Congeners free-spawn or externally brood, planktotrophic larvae	High	Wilson 1991
<i>Hesperonoe complanata</i>	1.36		P	Most confamilials free-spawning with feeding, planktonic larvae, Mobile Adults	High	Wilson 1991
<i>Hesperonoe laevis</i>	6.12	1.89	P	Most confamilials free-spawning with feeding, planktonic larvae, Mobile Adults	High	Wilson 1991
<i>Hesperonoe</i> sp.	1.36		P	Most confamilials free-spawning with feeding, planktonic larvae, Mobile Adults	High	Wilson 1991
<i>Malmgreniella baschi</i>	9.52	15.09	P	Most confamilials free-spawning with feeding, planktonic larvae, Mobile Adults	High	Wilson 1991

<i>Malmgreniella macginitiei</i>	4.76		P	Most confamilars free-spawning with feeding, planktonic larvae, Mobile Adults	High	Wilson 1991
<i>Malmgreniella sanpedroensis</i>	4.08	1.89	P	Most confamilars free-spawning with feeding, planktonic larvae, Mobile Adults	High	Wilson 1991
<i>Malmgreniella scriptoria</i>		5.66	P	Most confamilars free-spawning with feeding, planktonic larvae, Mobile Adults	High	Wilson 1991
<i>Malmgreniella</i> sp.	26.53	24.53	P	Most confamilars free-spawning with feeding, planktonic larvae, Mobile Adults	High	Wilson 1991
<i>Malmgreniella</i> sp. A	6.80	15.09	P	Most confamilars free-spawning with feeding, planktonic larvae, Mobile Adults	High	Wilson 1991
<i>Malmgreniella</i> sp. SD2	0.68		P	Most confamilars free-spawning with feeding, planktonic larvae, Mobile Adults	High	Wilson 1991
<i>Subadyte mexicana</i>		5.66	P	Most confamilars free-spawning with feeding, planktonic larvae, Mobile Adults	High	Wilson 1991
<i>Tenonia priops</i>	27.21	3.77	P	Most confamilars free-spawning with feeding, planktonic larvae, Mobile Adults	High	Wilson 1991
<i>Ysideria hastata</i>	1.36		P	Most confamilars free-spawning with feeding, planktonic larvae, Mobile Adults	High	Wilson 1991
Questidae						
<i>Questa caudicirra</i>		7.55			Undet.	
Sabellariidae						
<i>Neosabellaria cementarium</i>	6.12	5.66	P	Long Pelagic Period	High	Strathmann 1987
<i>Sabellaria gracilis</i>	1.36		P	Congers have pelagic, feeding larvae	High	Strathmann 1987
<i>Sabellaria nanella</i>	1.36		P	Congers have pelagic, feeding larvae	High	Strathmann 1987
<i>Sabellaria</i> sp.	2.04		P	Congers have pelagic, feeding larvae	High	Strathmann 1987
Sabellidae						
<i>Bispira</i> sp.	2.04	1.89		Confamilars vary	Undet.	Shanks 2001
<i>Chone albocincta</i>	14.97	16.98	L	Congeners use egg masses with release of non-feeding larvae	Medium	Okuda 1946 ^c
<i>Chone minuta</i>	6.12	11.32	L	Congeners use egg masses with release of non-feeding larvae	Medium	Okuda 1946 ^c
<i>Chone mollis</i>	11.56	16.98	L	Congeners use egg masses with release of non-feeding larvae	Medium	Okuda 1946 ^c
<i>Chone</i> sp.	3.40	5.66	L	Congeners use egg masses with release of non-feeding larvae	Medium	Okuda 1946 ^c

<i>Chone</i> sp. B	10.20	30.19	L	Congeners use egg masses with release of non-feeding larvae	Medium	Okuda 1946 ^c
<i>Chone</i> sp. C	7.48	28.30	L	Congeners use egg masses with release of non-feeding larvae	Medium	Okuda 1946 ^c
<i>Chone</i> sp. HYP1		1.89	L	Congeners use egg masses with release of non-feeding larvae	Medium	Okuda 1946 ^c
<i>Chone</i> sp. HYP2		1.89	L	Congeners use egg masses with release of non-feeding larvae	Medium	Okuda 1946 ^c
<i>Chone</i> sp. SD1	0.68		L	Congeners use egg masses with release of non-feeding larvae	Medium	Okuda 1946 ^c
<i>Chone</i> sp. SD2		1.89	L	Congeners use egg masses with release of non-feeding larvae	Medium	Okuda 1946 ^c
<i>Chone veleronis</i>	19.05	13.21	L	Congeners use egg masses with release of non-feeding larvae	Medium	Okuda 1946 ^c
<i>Demonax pallidus</i>		3.77		Confamilars vary	Undet.	Shanks 2001
<i>Demonax</i> sp.	2.04	3.77		Confamilars vary	Undet.	Shanks 2001
<i>Euchone arenae</i>	2.72	26.42		Confamilars vary	Undet.	Shanks 2001
<i>Euchone hancocki</i>	1.36	1.89		Confamilars vary	Undet.	Shanks 2001
<i>Euchone incolor</i>	24.49	37.74		Confamilars vary	Undet.	Shanks 2001
<i>Euchone limnicola</i>	6.12	1.89		Confamilars vary	Undet.	Shanks 2001
<i>Euchone rosea</i>		3.77		Confamilars vary	Undet.	Shanks 2001
<i>Euchone</i> sp.		5.66		Confamilars vary	Undet.	Shanks 2001
<i>Euchone</i> sp. A	2.04	18.87		Confamilars vary	Undet.	Shanks 2001
<i>Euchone</i> sp. LA1		3.77		Confamilars vary	Undet.	Shanks 2001
<i>Fabricinuda limnicola</i>	1.36	1.89		Confamilars vary	Undet.	Shanks 2001
<i>Jasmineira</i> sp. B	3.40	13.21		Confamilars vary	Undet.	Shanks 2001
<i>Megalomma pigmentum</i>	10.88	11.32	L	Congeners free-spawn and show some asexual reproduction	Medium	Wilson 1936 ^c , Rioja 1929 ^b
<i>Megalomma</i> sp.	1.36		L	Congeners free-spawn and show some asexual reproduction	Medium	Wilson 1936 ^c , Rioja 1929 ^b
<i>Megalomma splendida</i>	0.68		L	Congeners free-spawn and show some asexual reproduction	Medium	Wilson 1936 ^c , Rioja 1929 ^b
<i>Myxicola</i> sp.	0.68	5.66	P	5 day larval duration, Mobile Adults, congeners show some asexual	Medium	Grantham et al. 2003, Caullery &

				reproduction		Mesnil 1920 ^b
<i>Novafabricia</i> sp.		1.89		Confamilars vary	Undet.	Shanks 2001
<i>Potamethus</i> sp.		1.89		Congeners internally brood	Low	Schroeder & Hermans 1975
<i>Potamethus</i> sp. A	10.20	3.77		Congeners internally brood	Low	Schroeder & Hermans 1975
<i>Potamethus</i> sp. LA1		5.66		Congeners internally brood	Low	Schroeder & Hermans 1975
<i>Pseudofabriciola californica</i>		1.89		Confamilars vary	Undet.	Shanks 2001
<i>Pseudopotamilla socialis</i>		1.89		Confamilars vary	Undet.	Shanks 2001
<i>Pseudopotamilla</i> sp.	1.36			Confamilars vary	Undet.	Shanks 2001
<i>Pseudopotamilla</i> sp. LA1		1.89		Confamilars vary	Undet.	Shanks 2001
Saccocirridae						
<i>Saccocirrus</i> sp.	0.68	7.55			Undet.	
Scalibregmatidae						
<i>Asclerocheilus californicus</i>		1.89		Assumed pelagic	Undet.	Thorson 1946
<i>Scalibregma californicum</i>	10.20	28.30		Assumed pelagic	Undet.	Thorson 1946
Serpulidae						
<i>Apomatus timsii</i>	0.68		P	Most confamilars free-spawning, planktotrophic	High	Strathmann 1987

<i>Crucigera</i> sp.	0.68		P	Most confamilars free-spawning, planktotrophic	High	Strathmann 1987
<i>Hyalopomatus biformis</i>		3.77	P	Most confamilars free-spawning, planktotrophic	High	Strathmann 1987
<i>Salmacina</i> sp.		1.89	P	Most confamilars free-spawning, planktotrophic	High	Strathmann 1987
Sigalionidae						
<i>Sigalion spinosus</i>	21.09	18.87	P	Confamilars pelagic, Mobile Adults	High	Shanks 2001, Wilson 1991
<i>Sthenelais</i> sp.	1.36	7.55	P	Congeners pelagic, Mobile Adults	High	Shanks 2001, Wilson 1991
<i>Sthenelais tertaglabra</i>	30.61	13.21	P	Congeners pelagic, Mobile Adults	High	Shanks 2001, Wilson 1991
<i>Sthenelais verruculosa</i>	6.80		P	Congeners pelagic, Mobile Adults	High	Shanks 2001, Wilson 1991
<i>Sthenelanella uniformis</i>	50.34	64.15	P	Confamilars pelagic, Mobile Adults	High	Shanks 2001, Wilson 1991
Sphaerodoridae						
<i>Ephesiella brevicapitis</i>	8.16	3.77		Confamilars use direct dev., Non-pelagic, Congeners viviparous	Low	Mileikovskii 1967 ^a , Schroeder & Hermans 1975
<i>Sphaerodoridium</i> sp. A		1.89		Confamilars use direct dev., Non-pelagic, Congeners viviparous	Low	Mileikovskii 1967 ^a , Schroeder & Hermans 1975
<i>Sphaerodorum papillifer</i>		1.89		Confamilars use direct dev., Non-pelagic, Congeners viviparous	Low	Mileikovskii 1967 ^a , Schroeder & Hermans 1975
<i>Sphaerosyllis bilineata</i>		3.77		Confamilars use direct dev., Non-pelagic, Congeners viviparous	Low	Mileikovskii 1967 ^a , Schroeder & Hermans 1975
Spionidae						
<i>Aonides</i> sp. SD1		13.21		Some spionid species brood, but most include a Pelagic stage	High	Strathmann 1987
<i>Apoprionospio pygmaea</i>	35.37	5.66		Some spionid species brood, but most include a Pelagic stage	Medium	Strathmann 1987
<i>Boccardia</i> sp.	4.76		L	Congeners pelagic, lecithotrophic	Medium	Woodwick 1977
<i>Boccardiella hamata</i>	0.68			Some spionid species brood, but most include a Pelagic stage	Medium	Strathmann 1987
<i>Carazziella</i> sp. A	5.44	1.89		Some spionid species brood, but most include a Pelagic stage	Medium	Strathmann 1987

<i>Dipolydora barbilla</i>	0.68	7.55		Some spionid species brood, but most include a Pelagic stage	Medium	Strathmann 1987
<i>Dipolydora bidentata</i>	23.81	13.21		Some spionid species brood, but most include a Pelagic stage	Medium	Strathmann 1987
<i>Dipolydora socialis</i>	29.93	16.98		Some spionid species brood, but most include a Pelagic stage	Medium	Strathmann 1987
<i>Dipolydora</i> sp.	1.36	11.32		Some spionid species brood, but most include a Pelagic stage	Medium	Strathmann 1987
<i>Dispio uncinata</i>	4.76	7.55		Some spionid species brood, but most include a Pelagic stage	Medium	Strathmann 1987
<i>Laonice cirrata</i>	20.41	16.98		Some spionid species brood, but most include a Pelagic stage	Medium	Strathmann 1987
<i>Laonice nuchala</i>	6.80	20.75		Some spionid species brood, but most include a Pelagic stage	Medium	Strathmann 1987
<i>Laonice</i> sp.	1.36	1.89		Some spionid species brood, but most include a Pelagic stage	Medium	Strathmann 1987
<i>Malacoceros indicus</i>	3.40	11.32		Some spionid species brood, but most include a Pelagic stage	Medium	Strathmann 1987
<i>Microspio pigmentata</i>	6.12	18.87		Some spionid species brood, but most include a Pelagic stage	Medium	Strathmann 1987
<i>Parapriospio pinnata</i>	89.12	54.72		Some spionid species brood, but most include a Pelagic stage	Medium	Strathmann 1987
<i>Polydora cirrosa</i>	6.80			Brooding, Congeners have both planktotrophic and lecithotrophic development during pelagic stage	Medium	Woodwick 1977, Schroeder & Hermans 1975
<i>Polydora cornuta</i>	0.68			Brooding, Congeners have both planktotrophic and lecithotrophic development during pelagic stage	Medium	Woodwick 1977, Schroeder & Hermans 1975
<i>Polydora limicola</i>	0.68	1.89		Brooding, Congeners have both planktotrophic and lecithotrophic development during pelagic stage	Medium	Woodwick 1977, Schroeder & Hermans 1975
<i>Polydora</i> sp.	4.76			Brooding, Congeners have both planktotrophic and lecithotrophic development during pelagic stage	Medium	Woodwick 1977, Schroeder & Hermans 1975
<i>Prionospio (Minuspio) lighti</i>	31.97	15.09	P	Pelagic, congeners feeding, show some asexual reproduction	High	Strathmann 1987, Fauchald 1983, Rasmussen 1953 ^b
<i>Prionospio (minuspio) multibranchiata</i>		5.66	P	Pelagic, congeners feeding, show some asexual reproduction	High	Strathmann 1987, Fauchald 1983, Rasmussen 1953 ^b
<i>Prionospio (Prionospio) dubia</i>	21.77	28.30	P	Pelagic, congeners feeding, show some asexual reproduction	High	Strathmann 1987, Fauchald 1983, Rasmussen 1953 ^b
<i>Prionospio (Prionospio) heterobranchia</i>	2.72	11.32	P	Pelagic, congeners feeding, show some asexual reproduction	High	Strathmann 1987, Fauchald 1983, Rasmussen 1953 ^b
<i>Prionospio (Prionospio) jubata</i>	49.66	60.38	P	Pelagic, congeners feeding, show some asexual reproduction	High	Strathmann 1987, Fauchald 1983, Rasmussen 1953 ^b
<i>Prionospio (Prionospio) sp.</i>	8.16	13.21	P	Pelagic, congeners feeding, show some asexual reproduction	High	Strathmann 1987, Fauchald 1983, Rasmussen 1953 ^b
<i>Pseudopolydora paucibranchiata</i>	3.40		P	Internal brooding but planktonic development after 3 setiger stage.	High	Woodwick 1977

<i>Scolelepis occidentalis</i>	0.68			Some spionid species brood, but most include a Pelagic stage	Medium	Strathmann 1987
<i>Scolelepis</i> sp.	2.72			Some spionid species brood, but most include a Pelagic stage	Medium	Strathmann 1987
<i>Scolelepis</i> sp. HYP1	0.68			Some spionid species brood, but most include a Pelagic stage	Medium	Strathmann 1987
<i>Scolelepis squamata</i>		3.77		Some spionid species brood, but most include a Pelagic stage	Medium	Strathmann 1987
<i>Scolelepis tridentata</i>	1.36			Some spionid species brood, but most include a Pelagic stage	Medium	Strathmann 1987
<i>Spio filicornis</i>		7.55	P	Internal brooding, congeners mainly planktotrophic	High	Schroeder & Hermans 1975, Hannerz 1956 ^c
<i>Spio</i> sp.	0.68		P	Congeners brood internally, planktotrophic	High	Schroeder & Hermans 1975, Hannerz 1956 ^c
<i>Spiophanes berkeleyorum</i>	46.26	47.17	P	Congeners free-spawning, planktotrophic	High	Strathmann 1987, Hannerz 1956 ^c
<i>Spiophanes bombyx</i>	32.65	28.30	P	Congeners free-spawning, planktotrophic	High	Strathmann 1987, Hannerz 1956 ^c
<i>Spiophanes duplex</i>	93.20	88.68	P	Congeners free-spawning, planktotrophic	High	Strathmann 1987, Hannerz 1956 ^c
<i>Spiophanes fimbriata</i>	22.45	41.51	P	Congeners free-spawning, planktotrophic	High	Strathmann 1987, Hannerz 1956 ^c
<i>Spiophanes</i> sp.	4.08	9.43	P	Congeners free-spawning, planktotrophic	High	Strathmann 1987, Hannerz 1956 ^c
<i>Spiophanes wigleyi</i>	9.52	13.21	P	Congeners free-spawning, planktotrophic	High	Strathmann 1987, Hannerz 1956 ^c
Sternaspidae						
<i>Sternaspis fossor</i>	40.14	32.08			Undet.	
Syllidae						
<i>Autolytus</i> sp.	2.04	9.43	L	Epitoky prominent, brooding of demersal larvae	Low	Strathmann 1987, Schroeder & Hermans 1975
<i>Brania californiensis</i>	0.68	3.77		Confamilars show direct dev. and asexual reproduction, Mobile Adults	Low	Shanks 2001, Gravier & Dantan 1928 ^b
<i>Brania</i> sp.		3.77		Confamilars show direct dev. and asexual reproduction, Mobile Adults	Low	Shanks 2001, Gravier & Dantan 1928 ^b
<i>Eusyllis habeii</i>		9.43		Confamilars show direct dev., Mobile Adults	Low	Shanks 2001
<i>Eusyllis</i> sp.	1.36	3.77		Confamilars show direct dev., Mobile Adults	Low	Shanks 2001
<i>Eusyllis transecta</i>	1.36			Confamilars show direct dev., Mobile Adults	Low	Shanks 2001
<i>Exogone acutipalpa</i>	0.68	5.66		Direct Dev., Mobile Adults	Low	Pocklington & Hutcheson 1983 ^a

<i>Exogone breviseta</i>	2.04	16.98		Direct Dev., Mobile Adults, Reproduction also asexual	Low	Pocklington & Hutcheson 1983 ^a , Hauenschild 1953 ^b
<i>Exogone dwisula</i>	2.72	3.77		Direct Dev., Mobile Adults	Low	Pocklington & Hutcheson 1983 ^a
<i>Exogone lourei</i>	9.52	41.51		Direct Dev., Mobile Adults	Low	Pocklington & Hutcheson 1983 ^a
<i>Exogone molesta</i>	0.68	5.66		Direct Dev., Mobile Adults	Low	Pocklington & Hutcheson 1983 ^a
<i>Exogone</i> sp.	0.68	5.66		Direct Dev., Mobile Adults	Low	Pocklington & Hutcheson 1983 ^a
<i>Odontosyllis phosphorea</i>	2.72	16.98		Confamilars show direct dev. and asexual reproduction, Mobile Adults	Low	Shanks 2001, Gravier & Dantan 1928 ^b
<i>Odontosyllis</i> sp.		1.89		Confamilars show direct dev. and asexual reproduction, Mobile Adults	Low	Shanks 2001, Gravier & Dantan 1928 ^b
<i>Odontosyllis</i> sp. LA2		1.89		Confamilars show direct dev. and asexual reproduction, Mobile Adults	Low	Shanks 2001, Gravier & Dantan 1928 ^b
<i>Opisthodonta</i> sp. SD1		1.89		Confamilars show direct dev. and asexual reproduction, Mobile Adults	Low	Shanks 2001, Gravier & Dantan 1928 ^b
<i>Pionosyllis articulata</i>	0.68	1.89		Confamilars show direct dev. and asexual reproduction, Mobile Adults	Low	Shanks 2001, Gravier & Dantan 1928 ^b
<i>Pionosyllis</i> sp.		3.77		Confamilars show direct dev. and asexual reproduction, Mobile Adults	Low	Shanks 2001, Gravier & Dantan 1928 ^b
<i>Pionosyllis</i> sp. SD1		5.66		Confamilars show direct dev. and asexual reproduction, Mobile Adults	Low	Shanks 2001, Gravier & Dantan 1928 ^b
<i>Pionosyllis</i> sp. SD2		3.77		Confamilars show direct dev. and asexual reproduction, Mobile Adults	Low	Shanks 2001, Gravier & Dantan 1928 ^b
<i>Plakosyllis</i> sp.		7.55		Confamilars show direct dev. and asexual reproduction, Mobile Adults	Low	Shanks 2001, Gravier & Dantan 1928 ^b
<i>Proceraea</i> sp.	2.72	3.77		Confamilars show direct dev. and asexual reproduction, Mobile Adults	Low	Shanks 2001, Gravier & Dantan 1928 ^b
<i>Procerastea</i> sp.		1.89		Confamilars show direct dev. and asexual reproduction, Mobile Adults	Low	Shanks 2001, Gravier & Dantan 1928 ^b
<i>Sphaerosyllis californiensis</i>	1.36	5.66		Congeners brood externally, direct dev., Mobile Adults	Low	Cazaux 1972 ^c
<i>Sphaerosyllis ranunculus</i>		3.77		Congeners brood externally, direct dev., Mobile Adults	Low	Cazaux 1972 ^c
<i>Sphaerosyllis</i> sp.		3.77		Congeners brood externally, direct dev., Mobile Adults	Low	Cazaux 1972 ^c
<i>Sphaerosyllis</i> sp. LA1		3.77		Congeners brood externally, direct dev., Mobile Adults	Low	Cazaux 1972 ^c
<i>Sphaerosyllis</i> sp. LA2		3.77		Congeners brood externally, direct dev., Mobile Adults	Low	Cazaux 1972 ^c
<i>Syllides mikeli</i>		1.89		Confamilars show direct dev. and asexual reproduction, Mobile Adults	Low	Shanks 2001, Gravier & Dantan 1928 ^b

<i>Syllides minutus</i>		5.66		Confamilars show direct dev. and asexual reproduction, Mobile Adults	Low	Shanks 2001, Gravier & Dantan 1928 ^b
<i>Syllides reishi</i>		1.89		Confamilars show direct dev. and asexual reproduction, Mobile Adults	Low	Shanks 2001, Gravier & Dantan 1928 ^b
<i>Syllides</i> sp.		1.89		Confamilars show direct dev. and asexual reproduction, Mobile Adults	Low	Shanks 2001, Gravier & Dantan 1928 ^b
<i>Syllis (Ehlersia) heterochaeta</i>	12.24	11.32		Confamilars show direct dev. and asexual reproduction, Mobile Adults	Low	Shanks 2001, Gravier & Dantan 1928 ^b
<i>Syllis (Ehlersia) hyperioni</i>	8.84	7.55		Confamilars show direct dev. and asexual reproduction, Mobile Adults	Low	Shanks 2001, Gravier & Dantan 1928 ^b
<i>Syllis (Typosyllis) farallonensis</i>	2.04	3.77		Confamilars show direct dev. and asexual reproduction, Mobile Adults	Low	Shanks 2001, Gravier & Dantan 1928 ^b
<i>Syllis (typosyllis) nipponica</i>	0.68			Most congeners brood to direct development, some asexual reproduction, Mobile Adults	Low	Wilson 2001, Mesnil and Caullery 1919 ^b
<i>Syllis (Typosyllis) sp.</i>	0.68	1.89		Most congeners brood to direct development, some asexual reproduction, Mobile Adults	Low	Wilson 2001, Mesnil & Caullery 1919 ^b
<i>Syllis (typosyllis) sp. SD1</i>		1.89		Most congeners brood to direct development, some asexual reproduction, Mobile Adults	Low	Wilson 2001, Mesnil and Caullery 1919 ^b
Terebellidae						
<i>Amaeana occidentalis</i>	46.94	18.87		Free spawner	Undet.	McHugh 1994
<i>Eupolymnia heterobranchia</i>	1.36			Congeners externally brood, 7.5 day larval duration	Medium	McHugh 1994
<i>Eupolymnia</i> sp.	0.68			Congeners externally brood, 7.5 day larval duration	Medium	McHugh 1994
<i>Lanassa gracilis</i>		1.89		Confamilars vary	Undet.	McHugh 1994
<i>Lanassa</i> sp.	6.12	1.89		Confamilars vary	Undet.	McHugh 1994
<i>Lanassa venusta venusta</i>	3.40	1.89		Confamilars vary	Undet.	McHugh 1994
<i>Lanice conchilega</i>	13.61	24.53		Free spawner, includes long-lived secondary larval stage (aulophore)	High	McHugh 1994
<i>Laphania</i> sp.		1.89		Confamilars vary	Undet.	McHugh 1994
<i>Loimia</i> sp. A		3.77		Congeners disperse in planktonic gelatinous tubes	High	Strathmann 1987
<i>Phisidea sanctaemariae</i>	27.21	30.19		Confamilars vary	Undet.	McHugh 1994
<i>Phisidia</i> sp.	0.68			Confamilars vary	Undet.	McHugh 1994

<i>Pista agassizi</i>	40.82	7.55	L	Congeners pelagic and lecithotrophic	Medium	Strathmann 1987, Grantham et al. 2003
<i>Pista bansei</i>	12.93	28.30	L	Congeners pelagic and lecithotrophic	Medium	Strathmann 1987, Grantham et al. 2003
<i>Pista disjuncta</i>	39.46	13.21	L	Congeners pelagic and lecithotrophic	Medium	Strathmann 1987, Grantham et al. 2003
<i>Pista elongata</i>		1.89	L	Congeners pelagic and lecithotrophic	Medium	Strathmann 1987, Grantham et al. 2003
<i>Pista moorei</i>	22.45	5.66	L	Congeners pelagic and lecithotrophic	Medium	Strathmann 1987, Grantham et al. 2003
<i>Pista</i> sp.	6.80	11.32	L	Congeners pelagic and lecithotrophic	Medium	Strathmann 1987, Grantham et al. 2003
<i>Polycirrus californicus</i>	8.84	9.43		Confamilars vary	Undet.	McHugh 1994
<i>Polycirrus</i> sp.	17.69	24.53		Confamilars vary	Undet.	McHugh 1994
<i>Polycirrus</i> sp. A	14.97	15.09		Confamilars vary	Undet.	McHugh 1994
<i>Polycirrus</i> sp. <i>i</i>	2.72			Confamilars vary	Undet.	McHugh 1994
<i>Polycirrus</i> sp. <i>iii</i>		1.89		Confamilars vary	Undet.	McHugh 1994
<i>Proclea</i> sp. A	2.72			Confamilars vary	Undet.	McHugh 1994
<i>Scionella japonica</i>		1.89		Confamilars vary	Undet.	McHugh 1994
<i>Spinospaera</i> sp. SD1		1.89		Confamilars vary	Undet.	McHugh 1994
<i>Streblosoma crassibranchia</i>	25.85	7.55		Confamilars vary	Undet.	McHugh 1994
<i>Streblosoma</i> sp.	9.52	1.89		Confamilars vary	Undet.	McHugh 1994
<i>Streblosoma</i> sp. B	44.22	16.98		Confamilars vary	Undet.	McHugh 1994
<i>Thelepus hamatus</i>		1.89		Congeners brood, 1 day planktonic duration	Low	McHugh 1994
<i>Thelepus setosus</i>		3.77		External brooding, 1 day planktonic duration	Low	McHugh 1994
Trichobranchidae						
<i>Artacamella hancocki</i>	4.08	28.30		Confamilars directly develop from egg masses	Low	Thorson 1946
<i>Terebellides californica</i>	34.69	16.98		Congeners directly develop from egg masses	Low	Thorson 1946

<i>Terebellides reishi</i>	4.08	5.66		Congeners directly develop from egg masses	Low	Thorson 1946
<i>Terebellides</i> sp.	2.72	16.98		Congeners directly develop from egg masses	Low	Thorson 1946
<i>Terebellides</i> sp. Type C	1.36	13.21		Congeners directly develop from egg masses	Low	Thorson 1946
<i>Terebellides</i> sp. Type D	1.36	5.66		Congeners directly develop from egg masses	Low	Thorson 1946
<i>Trichobranchus</i> sp. HYP1		3.77		Confamilials directly develop from egg masses	Low	Thorson 1946

APPENDIX LITERATURE CITED:

- Allen M (1959) Embryological development of the polychaetous annelid, *Diopatra cuprea* (Bosc.) Biol Bull 116:339-361
- Blake JA (1975) The larval development of Polychaeta from the Northern California Coast. III. Eighteen species of Errantia. *Ophelia* 14:23-84
- Blake JA (1980) The larval development of Polychaeta from the Northern California Coast. IV. *Leitoscoloplos pugettensis* and *Scoloplos acmeceps* (Family Orbiniidae). *Ophelia* 19:1-18
- Caulery M, Mesnil F (1920) Sur l'existence de la multiplication asexuee (scissiparte normale) chez certains Sabelliens (*Potamilla torelli* et *Myxicola dinardensis*). C. R. Acad Sci (Paris) 171:683-685
- Cazaux C (1972) Developpement larvaire d'annelides polychetes (Bassin d'Arcachon). Arch Zool Exp Gen 113:1-108
- Christie G (1985) A comparative study of the reproductive cycles of three Northumberland populations of *Chaetozone setosa* (Polychaeta: Cirratulidae). J Mar Biol Ass U K 65:239-254
- Fauchald K (1983) Life diagram patterns in benthic polychaetes. Proc Biol Soc Wash 96:160-177
- Grantham BA, Eckert GL, Shanks AL (2003) Dispersal potential of marine invertebrates in diverse habitats. Ecol Appl 13 (Suppl):S108-S116
- Grassle JP, Grassle JF (1985) The utility of studying the effects of pollutants on single-species populations in benthos of mesocosms and coastal ecosystems. In: White HH (ed) Concepts in marine pollution measurements. Maryland Sea Grant Program.
- Gravier C (1923) La ponte et l'incubation chez les Annelides Polychetes. Ann Soc Nat Zool Ser 10 6:153-247
- Gravier C, Dantan JL (1928) Peches nocturnes a la lumiere dans la Baie d'Alger. Annelides polychetes. Ann Inst Oceanogr (Paris) 5:1-187
- Grehan A, Retiere C, Keegan B. (1991) Larval development in the Ampharetid *Melinna palmata* (Grube) (Polychaeta). *Ophelia* Suppl. 5:321-332
- Hannerz L (1956) Larval development of the polychaete families Spionidae Sars, Disomidae Mesnil, and Poecilochaetidae n. fam. In the Gullmar Fjord (Sweden). Zool Bidr Upps 31:1-204
- Hartman O (1947) Polychaetus annelids. pt. 7 Capitellidae. Allan Hancock Pacific Expeditions. 15:1-181
- Hauenschild C (1953) Die phanotypische Geschlechtsbestimmung bei *Grubea clavata* (Clap.) und vergleichende Beobachtungen an anderen Sylliden. Zool Jahrb Abt Physiol 64:14-54
- Hermans CO (1966) The natural history and larval anatomy of *Armandia brevis* (Polchaeta: Opheliidae). PhD Dissertation, University of Washington, Seattle, WA

- Irlinger JP, Gentil F, Quintino V (1991) Reproductive Biology of the Polychaete *Pectinaria koreni* (Malmgren) in the Bay of Seine (English Channel). *Ophelia* Suppl. 5:343-350
- McHugh D (1994) Life history, phylogeny and diversity of the Polychaeta, with emphasis on the Terebellidae. UC Santa Cruz Thesis.
- Mesnil F, Caullery M (1919) Sur un processus normal de fragmentation, suivie de regeneration, chez un Annelide polychete, *Syllis gracilis*. Gr. C. R. Acad Sci (Paris) 169:926-929
- Mileikovskii SA (1967) Larval development of polychaetes of the family Sphaerodoridae and some considerations of its systematics. *Dokl. Biol. Sci. (Transl.)* 177:851-854
- Moore JP (1903) Polychaeta from the coastal slope of Japan and from Kamchatka and Bering Sea. *Proc Acad Nat Sci Phila* 55:401-490
- Okuda S (1946) Studies on the development of the Annelida Polychaeta. I. *J. Fac. Sci. Hokkaido Imp. U. (Ser. 6)* 9:115-219
- Pechenik JA (2000) *Biology of the Invertebrates*. McGraw-Hill.
- Pillai TG (1958) Studies on a brackish-water polychaetous annelid, *Marphysa borradailei* sp. n. from Ceylon. *Ceylon J Biol Sci* 1:94-106
- Pocklington P, Hutcheson MS (1983) New record of viviparity for the dominant benthic invertebrate *Exogone hebes* (Polychaeta: Syllidae) from the Grand Banks of New Foundland. *Mar Ecol Prog Ser* 11:239-244
- Rasmussen E (1953). Asexual reproduction in *Pygospio elegans* Clap. (Polychaeta Sedentaria). *Nature* 171:1161-1162
- Rasmussen E (1956) The reproduction and larval development of some polychaetes from the Isefjord, with some faunistic notes. *Biol Meddr* 23:1-84
- Richards TL (1967) Reproduction and development of the polychaete *Stauronereis rudolphi*, including a summary of development in the superfamily Eunicea. *Mar Biol* 1:124-133
- Rioja E (1929) Un caso de reproduccion asexual en un sabelido (*Branchioma linarsi* Rioja). *Bol Real Soc Espan Hist Natur* 29:33-36
- Rouse GW (1992) Oogenesis and larval development in *Micromaldane* spp. (Polychaeta: Capitellida: Maldanidae). *Invertebr Reprod Dev* 21:215-230
- Schroeder PC, Hermans CO (1975) Annelida: Polychaeta. In: Giese AC, Pearse JS (eds) *Reproduction of Marine Invertebrates Volume III: Annelids and Echiurans*. Academic Press. New York.
- Shaffer PL (1983) Population ecology of *Heteromastus filiformis* (Polychaeta:Capitellidae). *Journal of Sea Research* 17:106-125
- Shanks AL (2001) *An identification guide to the larval marine invertebrates of the Pacific Northwest*. Oregon State University Press, Corvallis, OR.
- Spies RB (1977) Reproduction and larval development of *Flabelliderma commensalis* (Moore). In: Reish DJ, Fauchald K (eds) *Essays on Polychaetous Annelids in memory of Dr. Olga Hartman*. University of Southern California.
- Strathmann, MF (1987) *Reproduction and development of marine invertebrates of the northern pacific coast*. University of Washington Press, Seattle, WA.
- Thorson G (1946) Reproduction and larval development of Danish marine bottom invertebrates, with special reference to the planktonic larvae in the sound (Oresund). *Medd Dan Fisk Havunders, Ser. Plank.*, 4:1-523
- Wilson DP (1933) The larval stages of *Notomastus latericeus*. Sars. *J Mar Biol Ass U K* 18:511-518

- Wilson DP (1936) The development of the sabellid *Branchiomma vesiculosum*. Q J Micros Sci 78:543-603
- Wilson WH (1983) Observations on the early developmental stages of some polychaetous annelides. Stud Biol Lab Johns Hopkins U 2:271-299
- Wilson WH (1991) Sexual reproductive modes in polychaetes: classification and diversity. Bull Mar Sci 48:500-516
- Woodwick KH (1977) Lecithotrophic larval development in *Boccardia proboscidea* (Hartman) In: Reish DJ, Fauchald K (eds) Essays on Polychaetous Annelids in memory of Dr. Olga Hartman. University of Southern California.