

Annotated list of polychaete and other worm species from Darwin Harbour mangrove habitats. Macrohabitat categories *=known only from mangroves; **=occurring in both mangroves and non-mangrove intertidal flats. One species, *Mastobranchus* sp., was not collected in this study – it is only known from *Thalassina* mounds. Codes for feeding guilds as follows: SDX = surface deposit feeder, discretely motile, unspecified mouth structures; CMX = carnivore, motile, unspecified mouth structures; BMX = subsurface deposit feeder, motile, unspecified mouth structures; SST = surface deposit feeder, sessile, tentaculate; SMX = surface deposit feeder, motile, unspecified mouth structures; SMT= surface deposit feeder, motile, tentaculate; HMJ = herbivore; motile, jawed; CMJ = carnivore, motile, jawed; CDJ = carnivore, discretely motile, jawed; BMJ = subsurface deposit feeder, motile, jawed; SDT = surface deposit feeder, discretely motile, tentaculate; SDJ = surface deposit feeder, discretely motile, jawed; FST = filter-feeder, sessile, tentaculate. Data source abbreviation NTM = Museum and Art Gallery of the Northern Territory, Darwin. Literature references listed separately.

Higher Taxon	Family	Species	Assemblage - tally of abundance				Micro-habitat	Macro-habitat	Feeding guild	Trophic category	Distribution	Additional data source
			Hint marg	Tidal flat	Tidal ck	Seawd						
Echiura	Thalassematidae	<i>Listriolobus bulbocaudatus</i>			1	2	Infauna	**	SDX	surface deposit feeder	Indo-west Pacific	Edmonds (1987)
Nemertea		<i>Cerebratulus</i> sp.			1	1	Infauna		CMX	carnivore		
Nemertea		Nemertea spp.	5	20	25	49	Epi/Infauna		CMX	carnivore		
Oligochaeta		Oligochaeta sp.				1	Infauna		BMX	subsurface deposit feeder		
Polychaeta	Ampharetidae	<i>Amphicteis</i> sp.1				1	Infauna		SST	surface deposit feeder		
Polychaeta	Ampharetidae	<i>Isolda pulchella</i>			10	34	Infauna	**	SST	surface deposit feeder	NT	NTM database
Polychaeta	Ampharetidae	<i>Pavelius</i> sp.			1		Infauna		SST	surface deposit feeder		
Polychaeta	Capitellidae	<i>Capitella</i> sp.1			1		Infauna		SMX	surface deposit feeder		
Polychaeta	Capitellidae	<i>Heteromastus</i> sp. 2				2	Infauna	*	BMX	subsurface deposit feeder	Darwin Harbour	NTM database
Polychaeta	Capitellidae	<i>Heteromastus</i> sp.1		13	9	22	Infauna	*	BMX	subsurface deposit feeder	Darwin Harbour	NTM database; Hanley (1985) as <i>Heteromastides</i>

												sp.
Polychaeta	Capitellidae	<i>Mastobranthus</i> sp.					Infauna	*			Darwin Harbour	NTM database; Hanley (1985) as <i>Heteromastus</i> sp. A
Polychaeta	Capitellidae	<i>Mediomastus</i> sp. 1		4	6	11	Infauna	**	BMX	subsurface deposit feeder	NT	NTM database
Polychaeta	Capitellidae	<i>Notomastus</i> sp.		2		1	Infauna	**	BMX	subsurface deposit feeder	NT	NTM database; Hanley (1985)
Polychaeta	Cirratulidae	<i>Aphelochaeta</i> sp. 1			1	12	Infauna		SMT	surface deposit feeder		
Polychaeta	Cirratulidae	<i>Cirriformia</i> sp. 1			1	7	Infauna		SMT	surface deposit feeder		
Polychaeta	Cirratulidae	<i>Protocirrineris</i> sp.			7	1	Infauna		SMT	surface deposit feeder		
Polychaeta	Dorvilleidae	<i>Schistomeringos</i> sp.				1	Infauna		HMJ	herbivore		
Polychaeta	Eunicidae	<i>Marphysa mossambica</i>			4	4	Epi/Infauna	**	CMJ	carnivore	Indo-west Pacific	NTM database; Hanley (1985)
Polychaeta	Eunicidae	<i>Nematonereis</i> sp.				4	Epifauna	**	CMJ	carnivore	northern Australia	NTM database; Hanley (1985) as <i>N. unicornis</i>
Polychaeta	Glyceridae	<i>Glycera nicobarica</i>		3	17	67	Infauna	**	CDJ	carnivore	Indo-west Pacific	NTM database; Hanley (1985) reports <i>Glycera</i> Sp. A,B,C but cannot reconcile his ids with this study
Polychaeta	Glyceridae	<i>Glycera</i> sp.2			4	3	Infauna		CDJ	carnivore		Hanley (1985) reports <i>Glycera</i> Sp. A,B,C but cannot reconcile his ids with this study
Polychaeta	Goniadidae	<i>Glycinde bonhourei</i>				3	Infauna	**	CDJ	carnivore	northern Australia	Boggemann (2005)
Polychaeta	Lumbrineridae	<i>Arabelloneris broomensis</i>				10	Infauna	**	BMJ	subsurface deposit feeder	Darwin Harbour and Broome	Hartmann-Schroder (1979)
Polychaeta	Lumbrineridae	<i>Scoletoma</i> sp. 1			10	87	Infauna		BMJ	subsurface deposit feeder		
Polychaeta	Magelonidae	<i>Magelona</i> sp. 1			3	25	Infauna		SDT	surface deposit feeder		

Polychaeta	Nephtyidae	<i>Nephtys mesobranchia</i>				21	Infauna	**	CMJ	carnivore	northern Australia, eastern Australia	Rainer and Hutchings (1977)
Polychaeta	Nereididae	<i>Ceratonereis australis</i>				6	Epifauna	**	HMJ	herbivore	north and north-west Australia	NTM database; Hartmann-Schroder (1985)
Polychaeta	Nereididae	<i>Ceratonereis</i> NTMW6742			2	2	Epi/Infauna	*	HMJ	herbivore	northern Australia	NTM database; Hanley (1985) as <i>Ceratonereis mirabilis</i>
Polychaeta	Nereididae	<i>Composetia</i> sp.			1		Infauna		HMJ	herbivore		
Polychaeta	Nereididae	<i>Dendronereides heteropoda</i>				1	Infauna	**	SDJ	surface deposit feeder	Indo-west Pacific	NTM database; Hutchings and Reid (1990), Hanley (1985)
Polychaeta	Nereididae	<i>Dendronereides</i> sp.		2			Infauna		SDJ	surface deposit feeder		
Polychaeta	Nereididae	<i>Leonnates crinitus</i>			1		Epifauna	**	SDJ	surface deposit feeder	northern Australia	NTM database; Hutchings and Reid (1991); Qiu and Qian (2000)
Polychaeta	Nereididae	<i>Leonnates stephensoni</i>			2	3	Infauna	**	SDJ	surface deposit feeder	Indo-west Pacific	NTM database; Hutchings and Reid (1991); Qiu and Qian (2000)
Polychaeta	Nereididae	<i>Namalycastis abiuma</i>	3		4		Epi/Infauna	**	HMJ	herbivore	Pan-tropical	NTM database; Glasby (1999)
Polychaeta	Nereididae	<i>Namalycastis nicoleae</i>	1		6	6	Epifauna	*	HMJ	herbivore	northern and eastern Australia	NTM database; Glasby (1999)
Polychaeta	Nereididae	<i>Namanereis malitae</i>	5	1			Infauna	**	HMJ	herbivore	Indo-west Pacific	NTM database; Glasby (1999)
Polychaeta	Nereididae	<i>Namereis amboinensis</i>			4		Epifauna	**	HMJ	herbivore	Pan-tropical	NTM database
Polychaeta	Nereididae	<i>Neanthes cf. biseriata</i>	1			28	Epifauna	**	HMJ	herbivore	north and north-west Australia	NTM database; Glasby (1999)
Polychaeta	Nereididae	<i>Neanthes</i> sp.2				1	Infauna		HMJ	herbivore		
Polychaeta	Nereididae	<i>Nereis</i> sp. 1		2	16	235	Infauna		HMJ	herbivore		

Polychaeta	Nereididae	<i>Paraleonnates bolus</i>	2	8		1	Epi/Infauna	*	SDJ	surface deposit feeder	northern Australia	NTM database; Hutchings and Reid (1991) [<i>as Leonnates bolus</i>]; Qiu and Qian (2000)
Polychaeta	Nereididae	<i>Perinereis aibuhitensis</i>	2	15	14	18	Epi/Infauna	**	HMJ	herbivore	Indo-west Pacific	NTM database; Hutchings, Reid and Wilson (1991); Hanley (1985) as <i>Neanthes</i> sp. B
Polychaeta	Nereididae	<i>Perinereis nigropunctata</i>			4	1	Epi/Infauna	**	HMJ	herbivore	Indo-west Pacific	NTM database; Hutchings, Reid and Wilson (1991)
Polychaeta	Nereididae	<i>Perinereis singaporiensis</i>		1	26	186	Epifauna	**	HMJ	herbivore	Indo-west Pacific	NTM database; Hanley (1985) as <i>P. vancaurica</i>
Polychaeta	Nereididae	<i>Simplisetia</i> cf. <i>erythraensis</i>			10		Infauna	**	HMJ	herbivore	northern Australia	NTM database
Polychaeta	Oeonidae	<i>Drilonereis</i> sp.				1	Infauna		CMJ	carnivore		
Polychaeta	Onuphiidae	Onuphid unident.			1		Infauna		HDJ	herbivore		
Polychaeta	Orbiniidae	<i>Leitoscoloplos latibranchus</i>			5	19	Infauna	**	BMX	subsurface deposit feeder	Australia	NTM database; Day (1977); Mackie (1987)
Polychaeta	Orbiniidae	<i>Scoloplos normalis</i>			1		Infauna	**	BMX	subsurface deposit feeder	Australia	NTM database; Day (1977); Mackie (1987)
Polychaeta	Paranoidae	Paraonidae unident.				1	Infauna		SMX	surface deposit feeder		
Polychaeta	Phyllodocidae	<i>Eteone</i> sp. 1			1		Infauna		CMX	carnivore		
Polychaeta	Phyllodocidae	<i>Phyllodoce</i> sp. 1		12		3	Infauna	**	CMX	carnivore	?Indo-Pacific	NTM database
Polychaeta	Phyllodocidae	<i>Sige</i> sp.				1	Epifauna		CMX	carnivore		
Polychaeta	Pilagidae	<i>Parandalia</i> sp.				1	Infauna		CMJ	carnivore		
Polychaeta	Polynoidae	<i>Lepidonotus kumari</i>			7		Epi/Infauna	**	CMJ	carnivore	northern Australia	NTM database
Polychaeta	Polynoidae	<i>Lepidonotus</i> sp. 1			2	52	Epifauna	*	CMJ	carnivore	Darwin Harbour	NTM database; Hanley (1985) as <i>Lepidonotus</i> sp. D

Polychaeta	Sabellidae	<i>Branchiommma</i> sp.1				8	Epifauna		FST	filter feeder		
Polychaeta	Sabellidae	<i>Demonax</i> sp. 1				1	Epifauna		FST	filter feeder		
Polychaeta	Serpulidae	<i>Pomatoleios kraussii</i>				16	Epifauna	**	FST	filter feeder	Indo-west Pacific	NTM database
Polychaeta	Spionidae	<i>Aonides oxycephala</i>				1	Infauna	**	SDT	surface deposit feeder	cosmopolitan	NTM database; Blake and Kudenov (1978); Imajima (1989)
Polychaeta	Spionidae	<i>Polydora</i> sp. 1			1	4	Infauna		SDT	surface deposit feeder		
Polychaeta	Spionidae	<i>Polydora</i> sp. 2			1		Infauna		SDT	surface deposit feeder		
Polychaeta	Spionidae	<i>Polydora</i> sp. 3				3	Infauna		SDT	surface deposit feeder		
Polychaeta	Spionidae	<i>Prionospio cirrifera</i> complex			2		Infauna	**	SDT	surface deposit feeder	cosmopolitan	NTM database; Blake and Kudenov (1978)
Polychaeta	Spionidae	<i>Prionospio</i> sp. 1			1	15	Infauna		SDT	surface deposit feeder		
Polychaeta	Spionidae	<i>Prionospio steenstrupi</i> complex			1	1	Infauna	**	SDT	surface deposit feeder	cosmopolitan	NTM database; Blake and Kudenov (1978)
Polychaeta	Spionidae	<i>Scolelepis</i> sp. 1			1		Infauna		SDT	surface deposit feeder		
Polychaeta	Sternaspidae	<i>Sternaspis</i> sp.			2		Infauna		SDT	surface deposit feeder		
Polychaeta	Syllidae	<i>Branchiosyllis</i> sp.1				1	Epifauna		CMJ	carnivore		
Polychaeta	Syllidae	<i>Syllis</i> sp. 1				9	Epifauna		CMJ	carnivore		
Polychaeta	Terebellidae	<i>Terebella tantabiddycreekensis</i>			5		Epi/Infauna	**	SST	surface deposit feeder	northern Australia	NTM database; Hutchings (1997)
Polychaeta	Trichobranchidae	<i>Terebellides kowinka</i>			5		Infauna	**	SST	surface deposit feeder	Australia	NTM database; Hutchings (2000)
Polychaeta	Trochochaetidae	<i>Trochochaeta</i> sp.				1	Infauna		SDT	surface deposit feeder		
Sipunculida		<i>Phascolosoma arcuatum</i>	2	24	54	14	Infauna	**	SDT	surface deposit feeder	Indo-west Pacific	Cutler and Cutler (1990)
Sipunculida		<i>Sipuncula</i> sp. 2			5		Infauna		SDT	surface deposit feeder		
Sipunculida		<i>Sipuncula</i> sp. 3			1		Infauna		SDT	surface deposit feeder		
Turbellaria		<i>Turbellaria</i> spp.	1	4	3	16	Epifauna		SMX	surface deposit feeder		
TOTALS			22	111	290	1025						