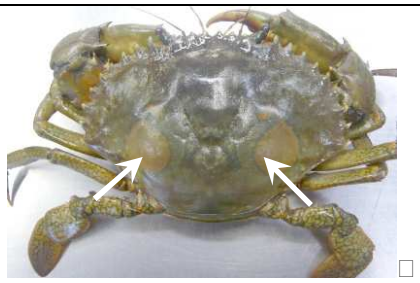
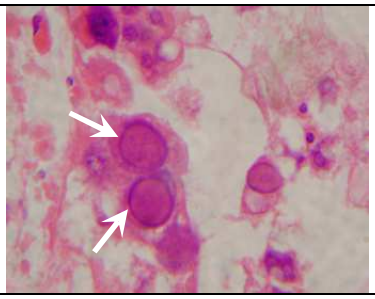
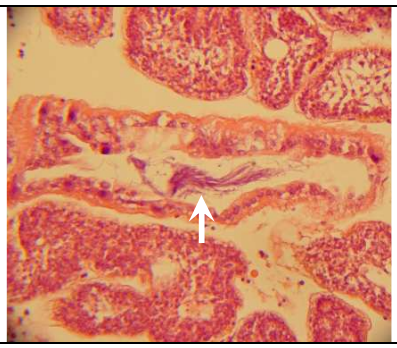
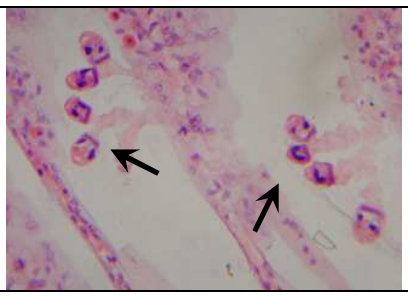
Host-Parasite list - Darwin Harbour Fish Health Monitoring

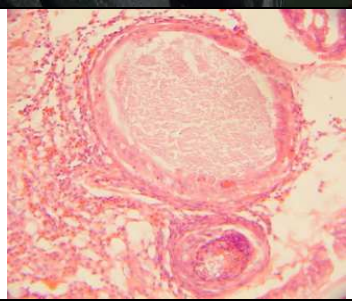
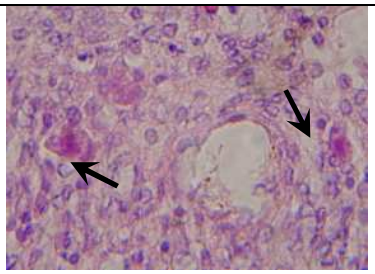
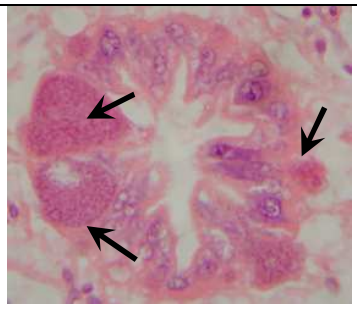
Updated March 2015. N = approx 304 host/parasite records, * denotes parasites or lesions likely to be new to science (n = 83), ** new to science and described (n = 13).

Host	Parasite/Lesion	Location	Pictures
CRABS			
Mud crab *Scylla serrata*	**Lesions**		
	Rust spot disease	carapace	
	Shell disease	carapace	
	Virus		
	Baculovirus	hepatopancreas	
	Bacteria		
	Bacterial infection (enteritis)	Hepatopancreas tubules	
	Protozoa		
	Ciliates	gills	

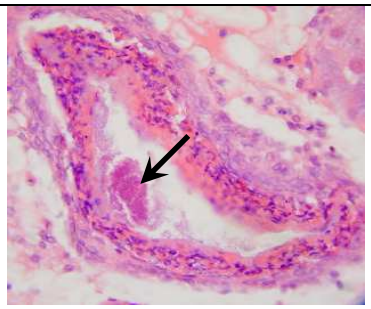
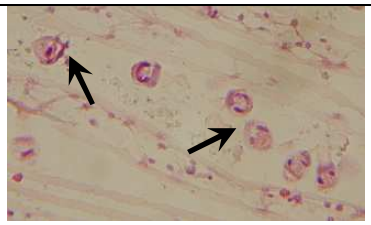
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Mud crab *Scylla serrata*	**Metazoa**		
	Cirripedia		
	Octolasmis spp. A (large)	gills	
	Octolasmis spp. B (small)	gills	
	Chelonibia spp. (barnacle)	carapace	
	Loxothylacus ihlei	externa	
	Digenea		
	Metacercaria	gills	
Olive mud crab *Scylla olivaceous*	**Lesions**		
	Shell disease	carapace	As for mud crab
	Metazoa		
	Cirripedia		
	Octolasmis spp. A (large)	gills	As for mud crab
	Octolasmis spp. B (small)	gills	As for mud crab

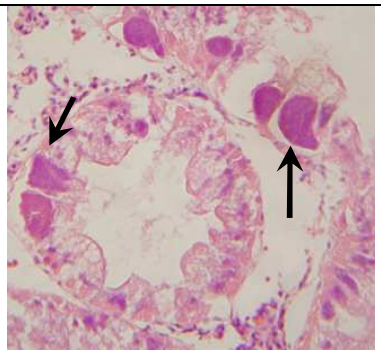
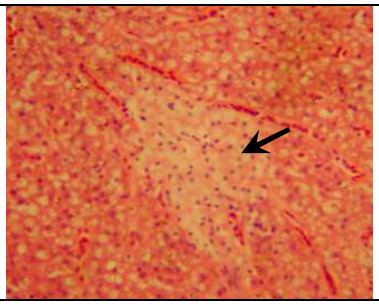
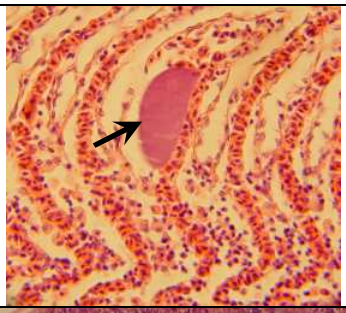
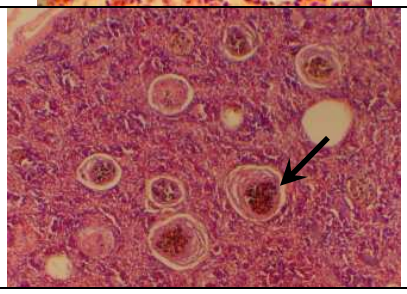
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Sand crabs, *Portunus pelagicus* and *P. armatus*	**Lesions**		
	Rust spot disease	carapace	
	Shell disease	carapace	
	Granulomas	Digestive gland	
	Virus		
	Virus-like inclusions*	Cuticular epithelium	
	Bacteria		
	Salmonella enterica subsp. *enterica* (*P. pelagicus* only)	digestive gland	

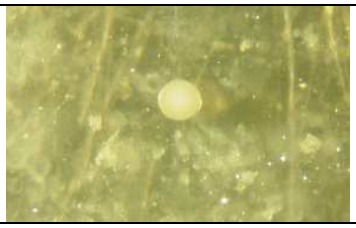
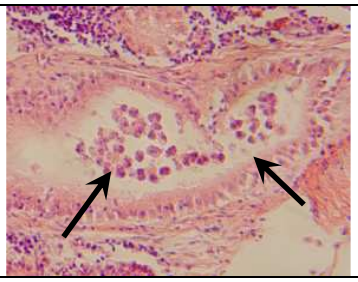
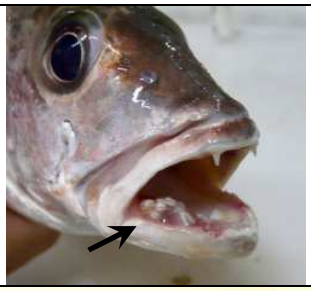
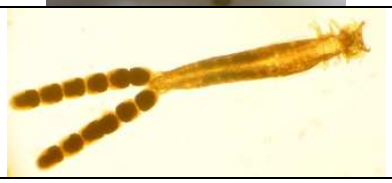
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Sand crabs, *Portunus pelagicus* and *P. armatus*	Digestive gland bacterial infection (enteritis)	digestive gland	
	Protozoa		
	Ciliates	gills	
	Metazoa		
	Cirripedia		
	Octolasmis spp. A (large)	gills	
	Octolasmis spp. B (small)	gills	
	Chelonibia sp.	carapace	
	Sacculina sp.	externa	

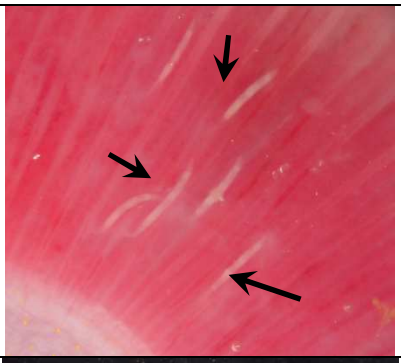
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Mangrove crab *Thalamita crenata*	**Bacteria**		
	Salmonella enterica subsp. *enterica*	Digestive Gland	
	Metazoa		
	Cirripedia		
	Octolasmis spp. A (large)	gills	As for sand crabs
	Octolasmis spp. B (small)	gills	As for sand crabs
	Chelonibia spp.	carapace	As for sand crabs
	Heterosaccus spp. *(ruginosus* ?)	externa	
FISH			
Golden snapper *Lutjanus johnii*	**Lesions**		
	Clear cell focus	liver	
	Bacteria		
	Epitheliocystis (rickettsia/chlamydia)	Gill lamellae	
	Bacterial granulomas	Kidney, spleen	

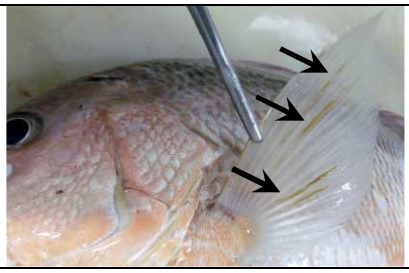
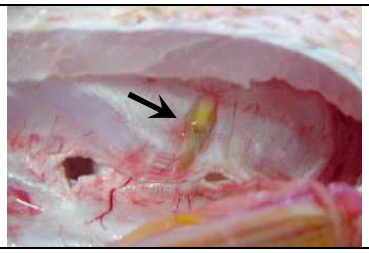
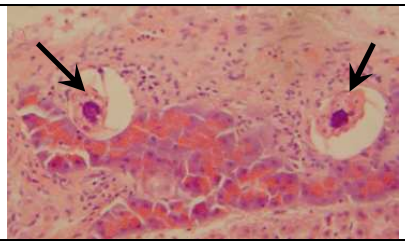
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Golden snapper *Lutjanus johnii*	**Protozoa**		
	Cryptocaryon irritans	Body surface	
	Metazoa		
	Myxosporea		
	Myxosporeans*	kidney	
	Copepoda		
	Neobrachiella sp.*	inside mouth	
	Hatschekia sp.	gills	
	Ergasilus spp.	Gills – base of primary gill filaments	
	Caligus sp. (new species)*	gill arches	
	Lernanthropus pillaii	gill	

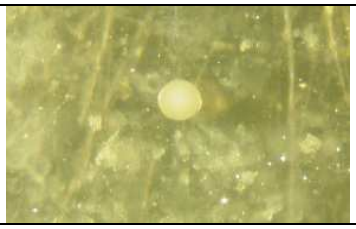
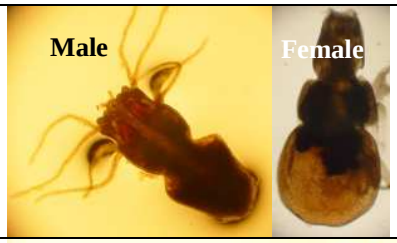
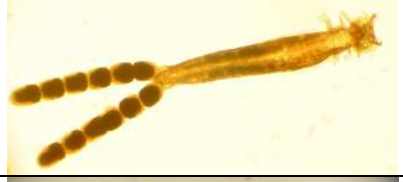
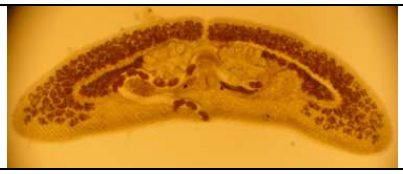
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Golden snapper *Lutjanus johnii*	*Argulus* sp.*	body surface	
	Isopoda		
	Rocinela cf. orientalis	body surface	
	Argathona sp.*	gills	
	Hirudinea		
	Zeylanicobdella arugamensis	Inside mouth	
	Monogenea		
	Euryhaliotrema johni	Gill filaments	
	Euryhaliotrema lisae **	In pairs on primary gill filaments	
	Euryhaliotrema longibaculoides **	Gill filaments	

Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Golden snapper *Lutjanus johnii*	***Benedenia* sp.***	Body wash	
	Digenea		
	didymozoid sp. 1*	fillet, gills	
	didymozoid sp. 2*	body wash	
	didymozoid sp. 3*	Pectoral fins	
	F. Hemiuridae (digenean)	stomach	
	Cestoda		
	Trypanorhynch plerocercoids	mesenteries	
	Nematoda		
	Philometra johnii **	gonad	
Moses (Russells) perch *Lutjanus russelli*	**Protozoa**		
	Protozoan pancreas*	pancreas	

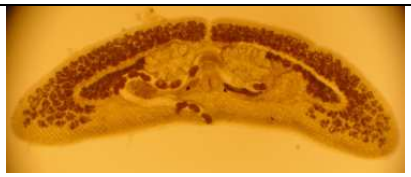
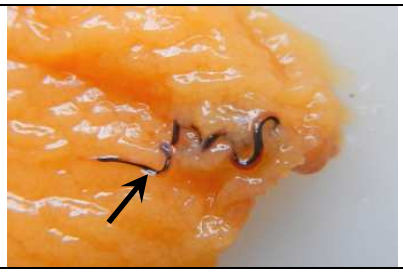
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Moses (Russells) perch ***Lutjanus russelli***	*Cryptocaryon irritans*	gills	
	Metazoa		
	Copepoda		
	Lernanthropus pillaii	gill	
	Hatschekia sp.*	gill	
	Caligus sp. (new species)*	gill	
	Isopoda		
	Gnathia sp.	gill	
	Monogenea		
	F. Dactylogyridae*	gill	
	Benedenia sp.*	body surface	
	Digenea		
	Didymozoid*	gill arch	
	Transversotrema sp. (*T. espanola* ?)	body surface	

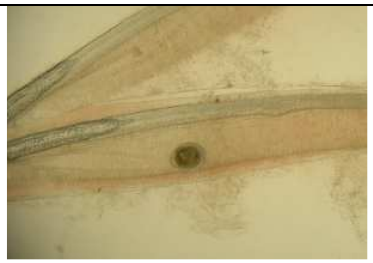
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Moses (Russells) perch *Lutjanus russelli*	**Cestoda**		
	Trypanorhynch plerocercoids	mesenteries	
	Nematoda		
	Contracaecum sp.	gut	
Stripey *Lutjanus carponotatus*	**Metazoa**		
	Copepoda		
	Hatschekia sp.*	gills	
	Lernanthropus pillaii	gills	
	Caligus sp. (new species)*	gill arch	
	Caligus sp. (new species)*	body surface	
	Isopoda		
	Gnathia sp.	gills	
	Argathona sp.*	gills	
	Monogenea		
	F. Dactylogyridae*	gill	

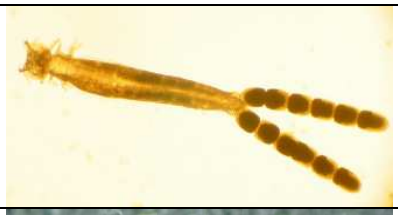
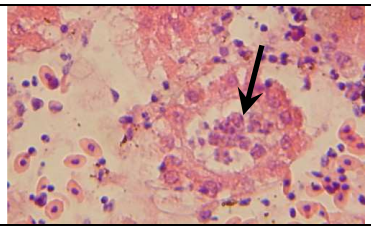
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Stripey *Lutjanus carponotatus*	*Benedenia lutjani*	Fins, gills	
	Digenea		
	Transversotrema espanola	body surface	
	Nematoda		
	Philometra carponotati **	gonad	
Mangrove jack *Lutjanus argentimaculatus*	**Metazoa**		
	Copepoda		
	Caligus sp. (new species)*	body surface	
Crimson snapper *Lutjanus erythropterus*	**Metazoa**		
	Copepoda		
	Caligus sp. (new species)*		
	Hatschekia sp.*	gills	

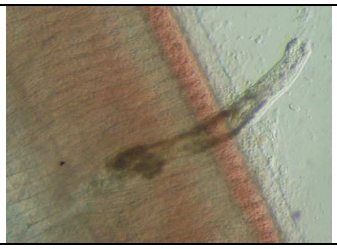
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Crimson snapper *Lutjanus erythropterus*	*Lernanthropus* **sp.**	gills	
	Isopoda		
	Gnathia sp.	gills	
	Cestoda		
	Trypanorhynch plerocercoids	mesenteries	
Indonesian snapper *Lutjanus bitaeniatus*	**Metazoa**		
	Copepoda		
	Hatschekia sp.	gills	
	Isopoda		
	Unidentified isopod*	Buccal cavity	
	Digenea		
	Metacercariae*	Gill filaments	
Grass sweetlip *Lethrinus laticaudatus*	**Metazoa**		
	Copepoda		

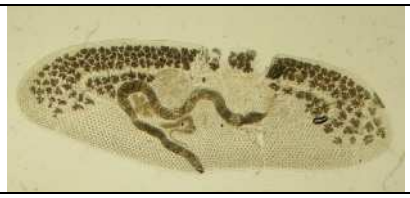
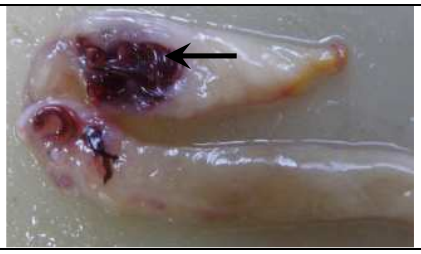
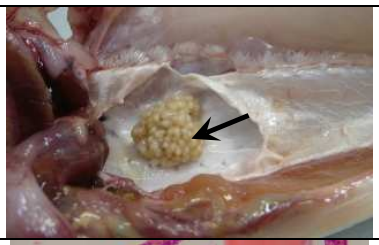
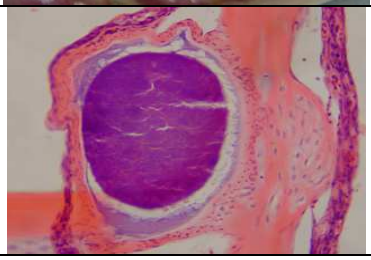
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Grass sweetlip *Lethrinus laticaudatus*	*Hatschekia* sp. 3*	gills	
	Bomolochus sp.*	body wash	
	Isopoda		
	Gnathia sp.	gills	
	Monogenea		
	F. Dactylogyridae*	gill	
Spotted/banded javelinfish *Pomadasys argenteus, P. kaakan*	**Protozoa**		
	Cryptocaryon irritans (both *P. argenteus* and *P. kaakan*)	Body surface	
Spotted/banded javelinfish *Pomadasys argenteus, P. kaakan*	Black (melanised) fin lesion (in *P. kaakan*)	Pectoral fin	
	Metazoa		
	Myxosporea		
	Myxosporeans* (in *P. argenteus*)	Kidney tubules	

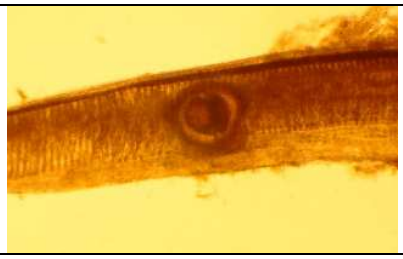
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Spotted/banded javelinfish *Pomadasys argenteus, P. kaakan*	*Myxobolus* sp.* (*P. argenteus*)	Cysts on lips	
	Copepoda		
	Lernanthropus pomadasysis (*P. kaakan*)	gill	
	Lernanthropus abitocephalus (*P. argenteus*)	gill	
	Ergasilid* (in both *P. kaakan* and *P. argenteus*)	gill	
	Isopoda		
	Rocinela sp. cf *orientalis* (both *P. argenteus* and *P. kaakan*)	body surface	
	Hirudinea		
	Zeylanicobdella arugamensis (In *P. kaakan*)	Inside mouth	
	Monogenea		
	F. Dactylogyridae n.g.* (*Bravohollisae* sp. ?) (*P. argenteus* and *P. kaakan*)	gill	

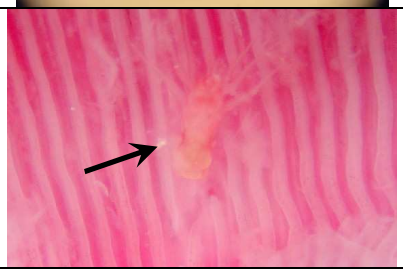
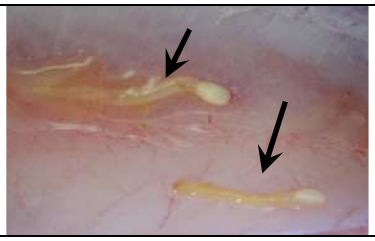
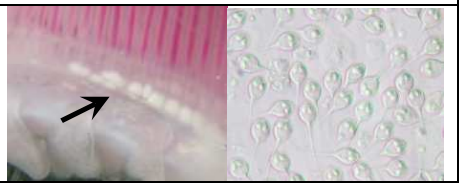
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Spotted/banded javelinfish *Pomadasys argenteus, P. kaakan*	F. Capsalidae* (In *P. kaakan*)	body surface	
	Unidentified Monopisthocotylean* *Dicrumenia* spp.? (Calceostomatidae) (in *P. argenteus*)	gill	
	Digenea		
	Transversotrema **sp.** * (in *P. argenteus*)	Body surface	
	Cestoda		
	Trypanorhynch plerocercoids (both *P. argenteus* and *P. kaakan*)	mesenteries	
	Nematoda		
	(*Philometra barnesi*)** (*P. argenteus*)	gonad	
Croaker (*Johnius* spp.)	**Bacteria**		
	Swimbladder - bacterial granuloma	swimbladder	
	Epitheliocystis (= white cysts)	gills	
	Protozoa		

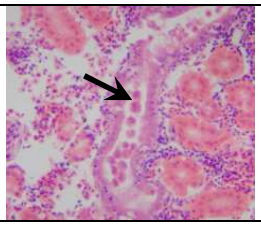
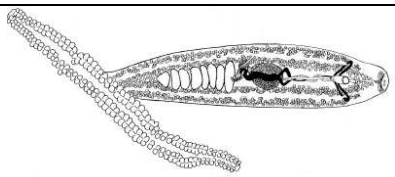
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Croaker (*Johnius* spp.)	*Cryptocaryon irritans*	Body surface	
	Metazoa		
	Branchiura		
	Argulus sp.	body surface	
	Isopoda		
	Rocinela sp. cf *orientalis*	body surface	
	Monogenea		
	F. Dactylogyridae *	gill	
	Microcotyle sp. ? *	gill	
	Digenea		
	Didymozoid *	gill arches/rakers	
	Metercercaria	gill filaments	
	Cestoda		
	Trypanorhynch plerocercoids	mesenteries	
	Nematoda		

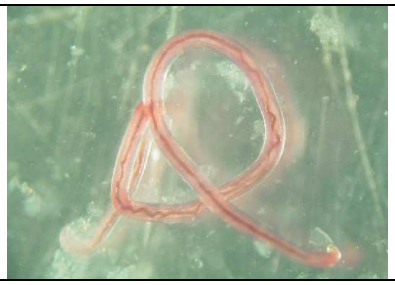
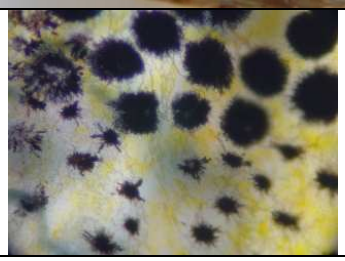
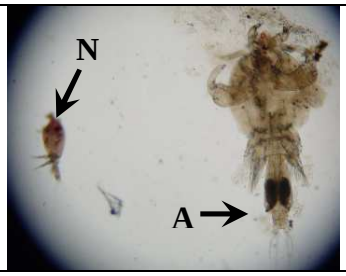
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Croaker (*Johnius* spp.)	*Anisakis* sp.	mesenteries	
	Camallanus sp. ?	body wash	
	Philometrid nematode *	gonad	See *Philometra johnii*
Black Jewfish *Protonibea diacanthus*	**Metazoa**		
	Copepoda		
	Caligus haemulonis	gills	
	Lernanthropus c.f. cruciatus		
	Monogenea		
	F. Diplectanidae* *Diplectanum* sp.	gills	
	Cestoda		
	Trypanorhynch plerocercoids	mesenteries	
Pikey Bream *Acanthopagrus pacificus*	**Lesions**		
	Kidney cysts	Kidney	
	Metazoa		
	Myxosporea		
	Hennyguya sp.	gill arches	

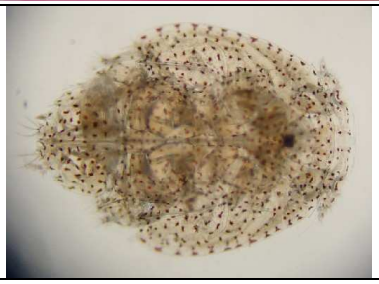
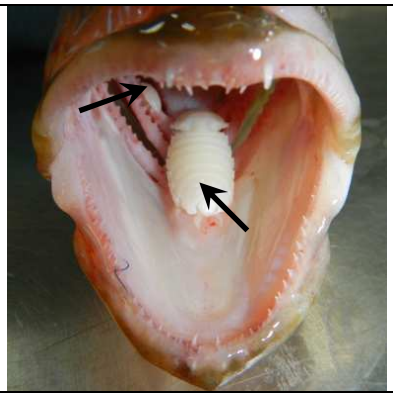
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Pikey Bream *Acanthopagrus pacificus*	Myxosporea*	kidney	
	Copepoda		
	Lernanthropus crysophrys	gills	
	Ergasilus lizae	gills	
	Caligus haemulonis	gill arch	
	Caligus epidemicus	body	
	Neobrachiella sp. (Brachiella for data entry)	mouth	
	Monogenea		
	Polylabroides longispinosus	gill	
	***Haliotrema* sp.**	gills	
	Digenea		
	Transversotrema licinum	pectoral fin	

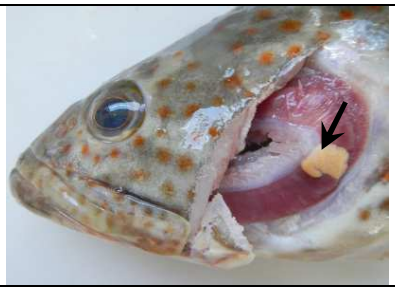
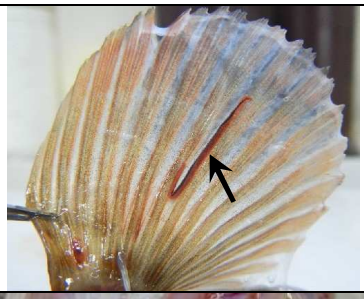
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Pikey Bream *Acanthopagrus pacificus*	**Cestoda**		
	Cestode larvae	gills	
	Nematoda		
	Anisakis sp.	mesenteries	
	Procamallanus sp. *	Body wash	
Estuary cod *Epinephelus coioides*	**Lesions**		
	Cataract	eye	
	hypermelanosis	Pectoral fins	
	Bacteria		
	Epitheliocystis (rickettsia/chlamydia)	Gill lamellae	
	Metazoa		
	Copepoda		
	Ergasilus sp.*	Gills, nauplii (N) on gill tips and gill arches, adults (A) on gill filaments	

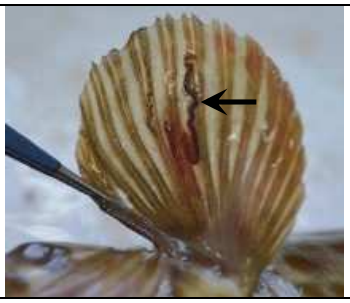
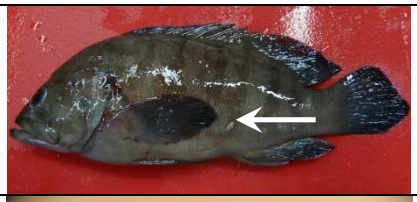
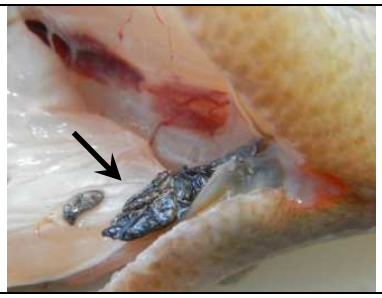
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Estuary cod *Epinephelus coioides*	*Sagum epinepheli*	gills	
	***Caligus* sp.* (spiky)**	Body surface	
	Isopoda		
	Cymothoa epimerica	Tongue (females)/ gill raker (males)	
	Gnathia sp.	Gills	
	Argathona macronema		
	Rocinela sp. cf *orientalis*	Fin	
	Hirudinea		

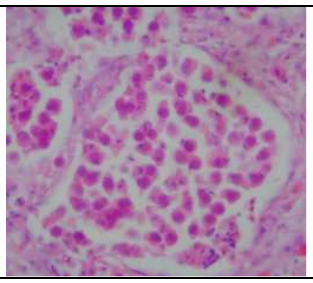
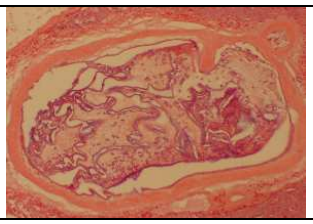
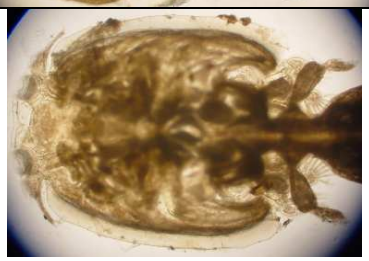
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Estuary cod *Epinephelus coioides*	*Zeylanicobdella arugamensis*	Mouth	
	Monogenea		
	Pseudorhabdosynochus sp.*	Gill (in pairs on primary gill filaments)	
	Digenea		
	Didymodiclinus epinepheli	first gill arch	
	Nematoda		
	Spirophilometra endangae	pectoral, caudal, dorsal fins	
	Philometra epinepheli	Inner operculum	
Spotty cod *Epinephelus areolatus*	**Metazoa**		
	Nematoda		

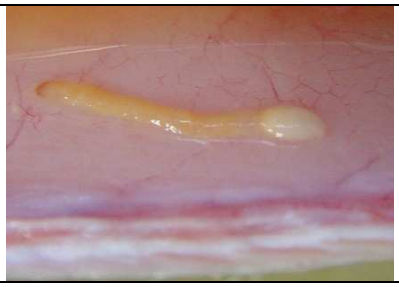
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Spotty cod *Epinephelus areolatus*	*Spirophilometra endangae*	pectoral fins	
Brown banded rock cod *Cephalopolis boenak*	**Copepoda**		
	Lernaeid (*Thyansote* like ?)	Gill arch	
	Caligus epinepheli ?	gill arch	
	Isopoda		
	Argathona sp. ?	Body surface	
	Gnathia sp.	gills	
	Cestoda		
	black plerocercoids	mesenteries	
Northern Whiting *Sillago sihama*	**Metazoa**		
	Copepoda		
	Caligus sp.	body surface	

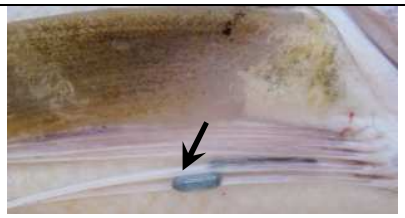
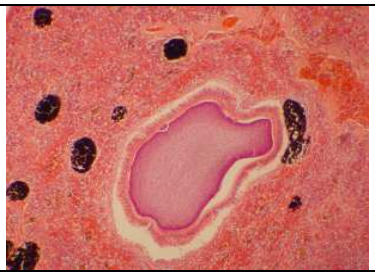
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
	Monogenea		
Northern Whiting *Sillago sihama*	*Diplectanum sillagonum*	gill	
Blue salmon *Eleutheronema tetradactylus*	**Protozoa**		
	Coccidian ? *	Liver, kidney	
	Metazoa		
	Myxosporea		
	Myxosporeans*	Bile ducts of liver	
	Copepoda		
	Thysanote eleutheronemi	operculum, branchiostegal membranes	
	Caligus sp. *	gills, gill arch	
	Caligus sp.	gill arch	
	Caligus longipedis	body surface	

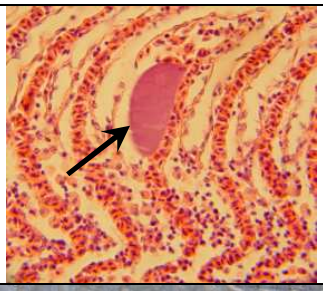
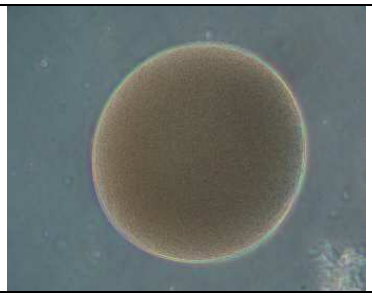
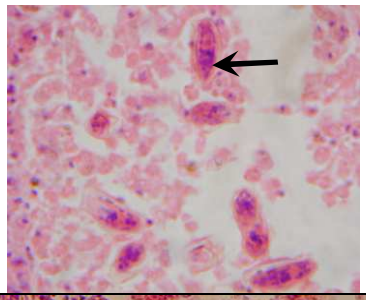
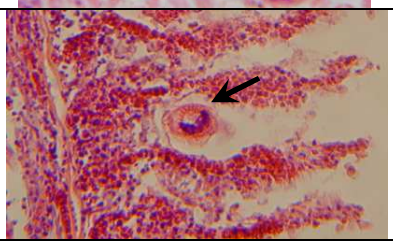
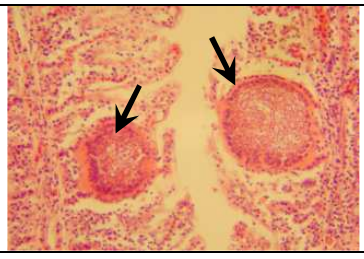
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Blue salmon *Eleutheronema tetradactylus*	*Naobranchia* cf *polynemi*	gills	
	Lernaeenicus polynemi	Dorsal and anal fins	
	Isopoda		
	Gnathia sp.	gills	
	Monogenea		
	*Acanthercodes polynemus***	gill	
	Nematoda		
	*Philometroides eleutheronemae***	gonad	
	Anisakis sp.	viscera/mesenteries	
	Cestoda		
	Trypanorhynch plerocercoids	mesenteries	

Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
King threadfin salmon *Polydactylus macrochir*	**Metazoa**		
	Copepoda		
	Thysanote eleutheronemi	branchiostegal membranes	
	Ergasilus sp.*	gill filaments	
	Lepeophtheirus sp.*	body surface	
	Caligus sp. *	gill arches	
	Digenea		
	Transversotrema sp.*	body surface	
	Nematoda		
	Philometra macrochiri **	sensory rays	
	Philometra australiensis **	swim bladder	
Barramundi *Lates calcarifer*	**Bacteria**		
	Rickettsial inclusions	liver	

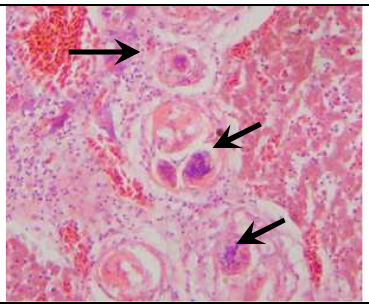
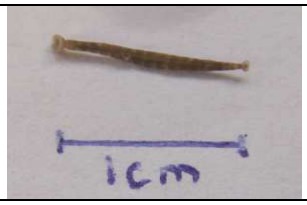
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Barramundi *Lates calcarifer*	Epitheliocystis (rickettsia/Chlamydia)	Gill lamellae	
	Scale pocket infection	Body surface/ under scales	
	Protozoa		
	Cryptocaryon irritans	Body surface	
	Liver protozoan*	liver	
	Trichodina sp.	gills	
	Metazoa		
	Myxosporea		
	Hennyguya sp.	gills	

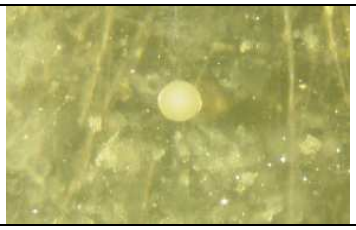
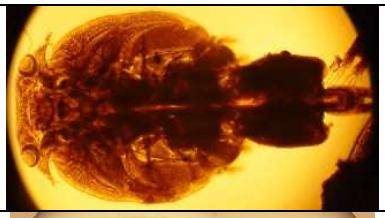
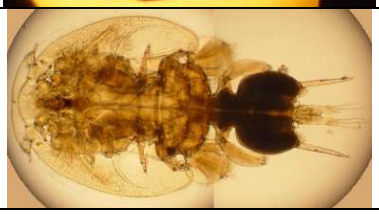
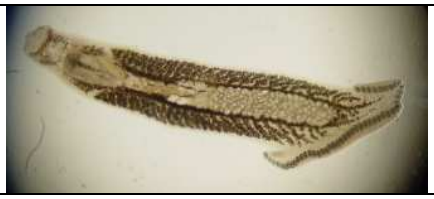
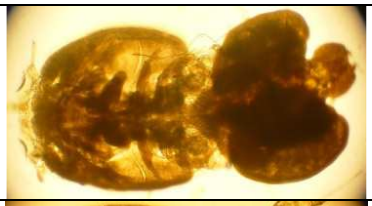
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Barramundi *Lates calcarifer*	**Copepoda**		
	Lernanthropus latis	gills	
	Caligus epidemicus	body surface	
	Caligus sp.*	body wash	
	Caligus sp. (spiky)*	Body wash	
	Caligus longipedis		
	Isopoda		
	Gnathia sp.	gills	

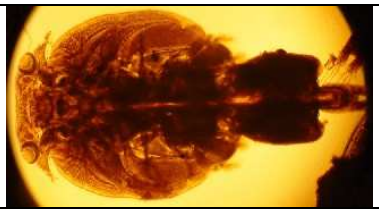
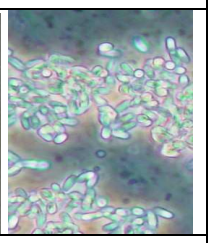
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Barramundi *Lates calcarifer*	*Rocilina* sp.	Body surface	
	Monogenea		
	Laticola paralates	gills	
	Digenea		
	Blood fluke eggs	internal organs	
	Nematoda		
	Anisakis spp.	mesenteries	
	Philometrid*	Ovary/gonad	
	Cestoda		
	Trypanorhynch plerocercoid type 1 (small) *Callitetrarhynchus* sp. 1	mesenteries	
	Trypanorhynch plerocercoid type 2 (lge) *Pterobothrium* sp.	mesenteries	
	Trypanorhynch plerocercoid type 3 (long) *Callitetrarhynchus* sp. 2	mesenteries	
	Hirudinea		
	Zeylandicobdella arugamensis	mouth	

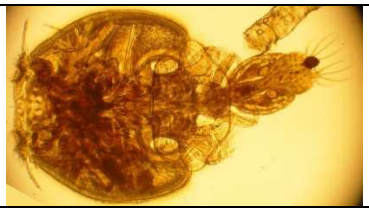
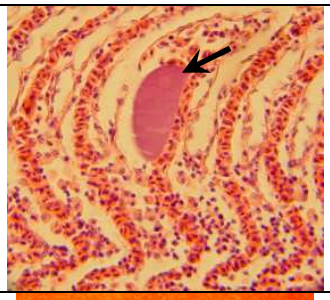
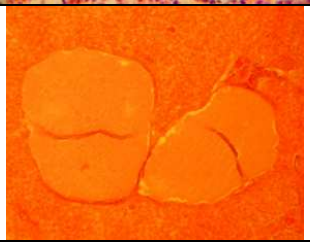
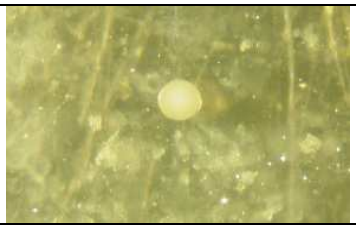
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Golden trevally *Gnathanodon speciosus*	**Protozoa**		
	Cryptocaryon irritans	Body surface	
	Metazoa		
	Copepoda		
	Caligus confusus (spiky antennae)	gill arches	
	Lepeoptheirus spinifer	body surface	
	Monogenea		
	Family Heteraxinidae*	Gill filaments	
	Nematoda		
	Anisakis sp.	mesenteries	
	Cestoda		
	Trypanorhynch plerocercoids	viscera/mesenteries	
Trevally *Caranx ignoblis, Caranx papuensis*	**Protozoa**		
	Gill cysts		
	Metazoa		
	Copepoda		
	Caligus sp.*	body surface	
	Caligus confusus (spiky antennae)	gill arches	

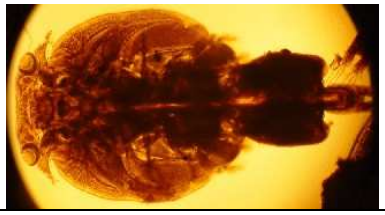
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Trevally *Caranx ignoblis, Caranx papuensis*	*Caligus longipedis*	gill arches	
	Lernanthropus sp.	gills	
	Isopoda		
	Argathona sp.	body surface	
	Monogenea		
	Protomicrocotyle sp.	gills	
	Heteraxine sp.*	gills	
	Heteromicrocotyloides sp.	gills	
Blue spotted trevally *Caranx bucculentus*	**Protozoa**		
	Microsporidian xenomas*	Mesenteries and liver	
	Metazoa		
	Copepoda		
	Caligus longipedis	Body surface	

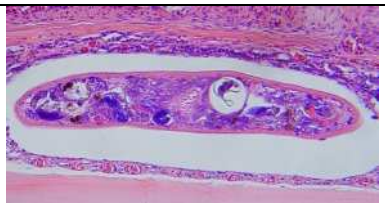
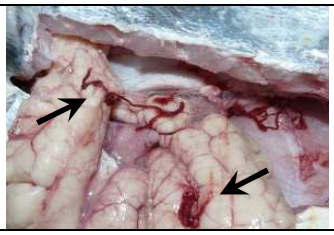
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Blue spotted trevally *Caranx bucculentus*	*Caligus confusus* (spiky antennae)	Gill arch	
	Cestoda		
	Trypanorhynch plerocercoids*	viscera/mesenteries	
	Nematoda		
	Philometra carangis**	Gonad (ovary)	
Queenfish *Scomberoides commersonianus*	**Bacteria**		
	Epitheliocystis (rickettsia/Chlamydia)	Gill lamellae	
	Rickettsial inclusions	Liver and kidney	
	Protozoa		
	Cryptocaryon irritans	Skin, gill filaments	
	Metazoa		
	Copepoda		
	Caligus epidemicus	body surface	

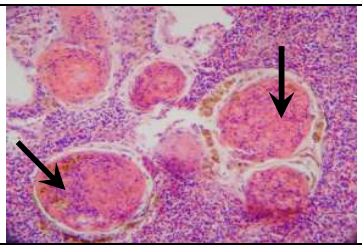
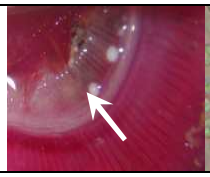
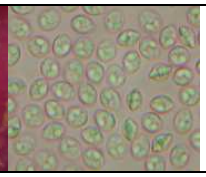
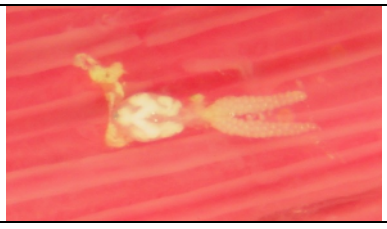
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Queenfish *Scomberoides commersonianus*	*Caligus epinepheli*	gill arches	
	Caligus longipedis	body surface	
	Tuxophorus wilsoni	body surface	
	Lernanthropus sp.	gills	
	Lepeoptheirus spinifer	body surface	
	Ergasilus **sp.***	gills	
	Isopoda		
	Argathona sp.	body surface	
	Monogenea		

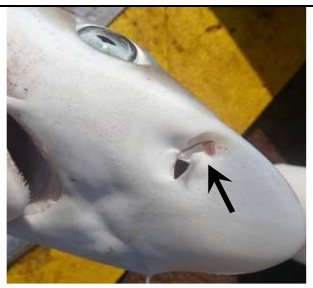
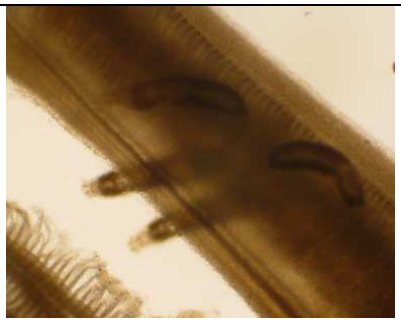
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Queenfish *Scomberoides commersonianus*	*Neobenedenia* sp.*	Body surface	
	Heterapta sp. cf *heterapta*	gills	
	Digenea		
	Blood fluke and eggs*	gills	
	Cestoda		
	Cestode plerocercoids	Mesenteries,viscera	
	Nematoda		
	Anisakis spp.	encysted on liver	
	Buckleyella ornata ** (Philometridae)	mesenteries	
School mackerel *S. queenslandicus*	**Metazoa**		
	Copepoda		
	Caligus sp.	chalimus gill arches	
Spotted mackerel *Scomberomorus munroi*	**Metazoa**		
	Monogenea		
	polyopisthocotylean	Gill filaments	
	Cestoda		
	Cestode plerocercoids	Mesenteries,viscera	

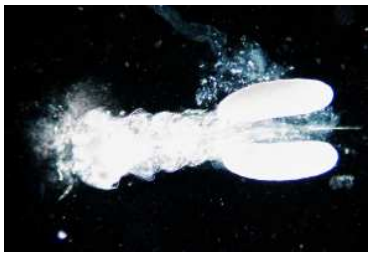
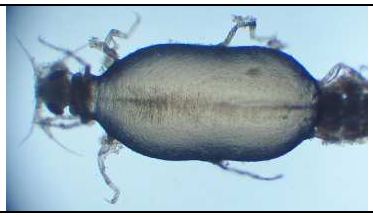
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Sea mullet *Mugil cephalus*	**Lesions**		
	Granulomas	spleen	
	Metazoa		
	Myxosporea		
	Myxobolus sp.*	gill arches, gill filaments, caudal fin	 
	Copepoda		
	Caligus sp.*	gill arches	
	Caligus epidemicus	body surface	
	Caligus sp. 2*	operculum	
	Ergasilus sp.*	gill filaments	
	Hirudinea		
	Zeylanicobdella arugamensis	gill arch	
	Monogenea		
	Ligophorus sp.*	gill filaments	
	Metamicrocotyla sp. ?*	gill filaments	
Diamond scale mullet *Liza vaigiensis*	**Metazoa**		
	Copepoda		
	Ergasilidae*	gill filaments	

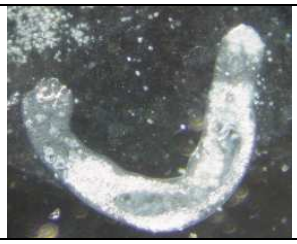
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Diamond scale mullet *Liza vaigiensis*	*Caligus* sp.* (new genus ?)	gill filaments	
	Monogenea		
	F. Dactylogyridae* (*Ligophorus* sp.)	gill filaments	
Cat shark *Altelomycterus* sp.	**Copepoda**		
	Hemigaleus sp. ?	under anal fin	
Sliteye shark *Loxodon* spp.	**Copepoda**		
	Perissopus sp.	in nostril	
Blacktip Reef shark *Carcharhinus melanopterus*	**Copepoda**		
	Perissopus sp.	under dorsal fin	
Epaulette shark *Hemiscyllum* sp.	**Isopoda**		
	Gnathia sp.	gills	
Batfish *Zabidius novaemaculeata*	**Metazoa**		
	Copepoda		
	Ergasilidae	gills	
	Monogenea		
	F. Dactylogyridae*	gills	
	Benedenia sp. *	skin	
	Digenea		

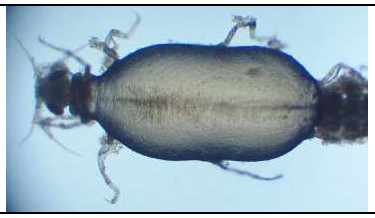
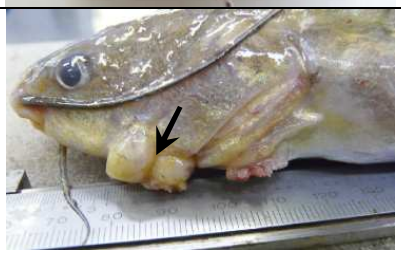
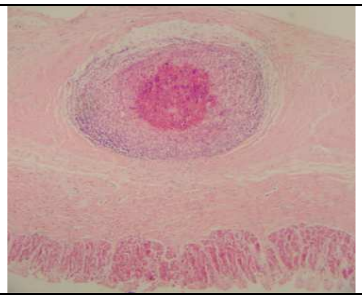
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Batfish *Zabidius novaemaculeata*	F. Hemiuridae *	stomach	
	Nematoda		
	Anisakis sp.	mesenteries	
	Philometra zabidii **	gonads	
	Cestoda		
	Plerocercoids	mesenteries	
Butterbream *Monodactylus argenteus*	**Copepoda**		
	Caligus epidemicus	body surface	
Blue tuskfish *Choerodon cyanodus*	**Metazoa**		
	Copepoda		
	Hatschekia sp. 1	gills	
	Bomolochus sp. ?*	gills	
	Caligus sp. *	gills	
	Isopoda		
	Gnathia sp. A	gills	

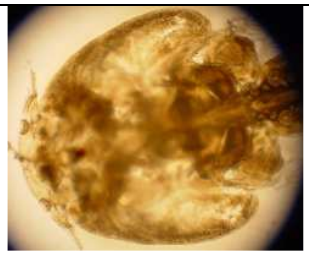
Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Blue tuskfish ***Choerodon cyanodus***	*Gnathia* sp. B	gills	
	Argathona sp.	Body surface	
	Monogenea		
	F. Dactylogyridae *	gill	
	Anoplodiscus-like *(= capsalid for data entry)	pectoral fin	
	Benedenia sp.*	Body surface	
Blackspot tuskfish ***Choerodon schoenleinii***	**Metazoa**		
	Monogenea		
	Dactylogyridae *Haliotrema* sp. ?*	Gill filaments	
	Copepoda		
	Hatschekia sp.	gills	
	Isopoda		
	Argathona sp.	Body surface	

Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
	Gnathia sp.	gills	
Forktail catfish *Arius spp.*	**Lesions**		
	Ulcerative cephalic dermal lesion	top of head	
	Multicentric orocutaneus fibrosarcoma**	muscle, skin	
	Intestinal granulomas	alimentary tract	
	Metazoa		
	Monogenea		
	F. Dactylogyridae *	Gill filaments	
	Copepoda		
	Hermilius pyriventris		
	Caligus confusus (spiky antennae)	gills	
	Ergasilus sp.	gills	
	Isopoda		

Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
	Rocilina spp.	Body surface	
	Cestoda		
Forktail catfish *Arius spp.*	Plerocercoids	mesenteries	
	Nematoda		
	Anisakis spp	mesenteries	
Bartailed flathead *Platycephalus indicus*	**Metazoa**		
	Copepoda		
	Caligus sp.	body surface	
Silver scat *Scatophagus* spp.	**Metazoa**		
	Copepoda		
	Ergasilidae	gills	
	Lernanthropus sp.	gills	
	Caligus schelegeli	gill arch	
	Monogenea		
	F. Dactylogyridae *	gill	
Snub nosed garfish *Arrhamphus sclerolepis*	**Metazoa**		
	Copepoda		
	Caligus c.f. *malabaricus*	buccal cavity	
Sombre sweetlip	**Metazoa**		

Host-Parasite list - Darwin Harbour Fish Health Monitoring

Host	Parasite/Lesion	Location	Pictures
Plectorhinchus unicolor			
	Copepoda		
	Caligus sp. 2	body wash	
Sombre sweetlip *Plectorhinchus unicolor*	F. Bomolochidae ? *	gills	
	Monogenea		
	Capsalid *	body surface	
Brown Sweetlip *Plectorhinchus gibbosus*	**Monogenea**		
	Dactylogyridae* *Haliotrema* sp. ?*	Gill filaments	
Indo-Pacific tarpon *Megalops cyprinoides*	**Monogenea**		
	Diplectanidae* (*Diplectanocotylea* sp.)	Gill filaments	
Giant Herring *Elops hawaiensis*	**Copepoda**		
	Caligus sp.	body surface	