

Parasites of western Australian salmon (*Arripis truttaceus*)



Name: Anisakid nematodes including *Anisakis* sp., *Contracaecum* sp. and *Hysterothylacium* sp.
Microhabitat: digestive tract, body cavity and connective tissue
Appearance: Long, thin, white worms ~2cm long that flick and wriggle - or are curled up in cysts
Pathology: Unknown
Curiosity: *Anisakis* spp. may cause extreme illness in humans if the parasite is eaten while it is alive – this can be avoided by cooking the fish before consumption



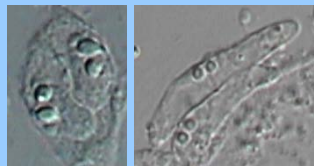
Name: *Caligus bonito*, *C. pelamydis*, *C. punctatus*, copepods commonly called 'sea-lice'
Microhabitat: Live on the surface of the fish including the skin and gills
Appearance: Females with elongate paired eggs strings ~5mm long
Pathology: See separate poster for crustacean parasites of Australian salmon
Curiosity: Sea-lice are capable swimmers and move rapidly along the body mucus of their host



Name: *Kahawaia truttae*, flatworm parasites commonly called 'gill fluke'
Microhabitat: Live on the gills and feed on blood
Appearance: Brown, thick worms that attach to the gills with microscopic clamps ~8mm
Pathology: Unknown
Curiosity: This is first record of this parasite from this host species!



Name: *Callitretrarrhynchus gracilis*, commonly called a cestode or tape worm
Microhabitat: Live in the body cavity, congregate near the end of the intestine
Appearance: White, tear-dropped shaped cysts
Pathology: Unknown
Curiosity: Pop the cysts to find the parasite larva inside with four spined tentacles



Name: *Ceratomyxa* spp. are microscopic myxosporeans
Microhabitat: Live in the gall bladder
Appearance: Microscopic parasites with distinct polar capsules
Pathology: unknown
Curiosity: *Ceratomyxa* spp. found in salmon are sometimes shaped like boomerangs

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