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Appendix 1: Annotated bibliography of reports containing information on fish of the Upper Murrumbidgee Catchment.

This bibliography predominantly lists those reports which contain primary data on fish distribution, abundance or ecology in the upper Murrumbidgee Catchment. Included also are some reports which contain anecdotal or historical information on local fish. As with all bibliographies, there will inevitably be omissions and readers are asked to contact the author and provide details of omitted reports which can then be included in any subsequent versions of this bibliography.

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GLOSSARY OF TERMS

Adipose fin	a small fin on trout and smelt, between the dorsal and caudal fins
Alien	species not native to Australia
Alpine	above the treeline (~1800 m)
Anal fin	a single fin on the underside of a fish just behind the anus
Aquatic	associated with water
Barbel	slender, fleshy, finger-like appendage ('whisker') usually around the mouth of fish, used in detecting food
Benthic	associated with the bottom of rivers or lakes
Billabong	a cutoff river meander that is isolated from the river channel except in floods
Biomass	the weight of living organisms in an area
Carnivore	an animal that eats other animals
Cascade	section of stream or habitat with turbulent, broken water including small waterfalls
Catchment	the land drained by a stream
Caudal fin	the tail of a fish
Caudal peduncle	the thin, hind-part of the body of a fish, between the back of the anal fin and the start of the tail
Cladoceran	small, free-swimming crustacean ('water flea')
Copepods	a group of small, planktonic crustaceans which lack walking legs and are usually free swimming; one species is parasitic on fish
Crepuscular	active at dawn and dusk
Crustacean	animals with a hard exoskeleton. Highly variable body form, but containing two pairs of antennae (Yabbies, prawns, shrimps, crayfish, water fleas, copepods)
Cumbungi	rushes of the genus <i>Typha</i> , bullrushes
Demersal	sinking, as in fish eggs
Detritivore	an animal that eats detritus from the bottom of streams or lakes
Detritus	dead or decaying organic matter
Diurnal	active during daylight
Dorsal, dorsum	relating to the top surface of an animal, its back
Dorsal fin(s)	fin(s) located on the top of a fish
Dorso-ventrally compressed	flattened from top to bottom, like a flounder
Ecosystem	an interdependent biological system involving interactions and linkages between living organisms and their physical, chemical and biological components
Emergent	protruding out of the water, not floating or submerged
Ephemeral	transient or temporary, not permanent
Eurythermal	lives in a wide range of water temperatures
Family	a group of similar genera
Fishway	a man-made structure to enable fish to move over a physical barrier such as a weir
Genus (plural: genera)	a group of similar species

Habitat	where an animal lives, grows and breeds (includes physical and biological components)
Headwaters	the small streams at the top of a catchment or drainage system
Herbivore	an animal that eats plants
Hibernation	a period of minimal activity induced by low temperature
Invertebrates	animals without backbones such as insects, spiders, crayfish, worms etc
Lateral	relating to the sides of an animal
Laterally compressed	flattened from side to side, like a knife blade
Macroinvertebrates	invertebrates that can be seen with the naked eye (with a length > 1 mm)
Macrophytes	literally 'big plants', usually used to describe water plants other than microscopic algae
Migratory	has a regular pattern of movements, can be seasonal, altitudinal, international
Molluscs	animals with a hard outer shell
Montane	mountainous environments
Nocturnal	active at night
Omnivore	an animal that eats both plants and animals
Pectoral fins	a pair of fins on a fish, usually just behind the gill openings
Pelagic	lives in the upper part of the water column, not benthic
Pelvic fins	a pair of fins on a fish, usually below and behind the pectoral fins
Plankton	microscopic animals and plants that float or drift in the water
Pool	section of stream or habitat with still or slow flow, usually deep
Riffle	section of stream or habitat with shallow, fast-flowing, broken water, usually over rocks or stones
Riparian vegetation	growing beside a river, often water dependent
Run	section of stream with fast-flow but an unbroken water surface, usually deep
Sedge	any of the rush or grass-like plants of the family Cyperaceae, often growing in wet places
Sedimentation	the process of silt and sediment addition to waterbodies
Snag	a fallen tree or log in the river
Spawning	shedding of eggs and sperm for breeding, usually in fish
Species	a group of animals that can breed and produce fertile offspring
Sub-alpine	the ecological zone immediately above the winter snowline (~1500 m) but below the treeline (~1800 m on the mainland of Australia)
Substrate	the base, or material on the bottom of a waterbody (rocks, pebbles, sand, silt, etc.)
Translocated	native animals which have been moved outside of their normal range
Turbidity	a measure of the transparency or muddiness of water
Truncate	square-ended (shape of tail in fish)
Ventral	relating to the under-side of an animal, its belly
Vertebrates	animals with backbones (birds, fish, fogs, reptiles, mammals, etc.)
Zooplankton	animal plankton