

Table 1. Fish and freshwater crustaceans (crayfish and shrimp) observed at the Powleys Road site (site code: HD25QUIC1, site reference: 6031577) on the Quickup River (tributary of the Denmark River)

	Scientific name	Common name	Previously reported <sup>1</sup> in the subcatchment	Observed at site
				March 2020 Bunuru <sup>2</sup> (hottest part of the year)
FISH	<i>Bostockia porosa</i>	nightfish	-	Y (first record)
	<i>Galaxias occidentalis</i>	western minnow	Y	Y
	<i>Nannoperca vittata</i>	western pygmy perch	Y	Y
	<i>Galaxiella munda</i>	western mud minnow <sup>3</sup>	Y	-
CRUSTACEANS	<i>Cherax cainii</i>	smooth marron	-	Y (first record)
	<i>Cherax species novel</i>	(new crayfish species) <sup>4</sup>	-	Y (first record)
	<i>Cherax quinquecarinatus</i>	gilgie	#	-
	<i>Cherax preissii</i>	koonac	-	Y (first record)

Colour key for species:

Native: Freshwater

For images and more information, see <https://rivers.dwer.wa.gov.au/southwest/fauna/>

<sup>1</sup> Based on all available data reported to Department of Primary Industries and Regional Development as a requirement of species collection exemptions (see <http://freshwater.fish.wa.gov.au/>), prior to most recent assessment. Y = yes (recorded).

<sup>2</sup> One of the six seasons of the Aboriginal (Noongar) Calendar for South West Australia (for more information see <http://www.bom.gov.au/iwk/calendars/nyoongar.shtml>).

<sup>3</sup> Western mud minnow (*Galaxiella munda*) is vulnerable under the Biodiversity Conservation Act 2016 (state, Western Australia) and endangered on the 2019 IUCN Redlist of threatened species (international).

<sup>4</sup> A new crayfish species was discovered in a genetic survey of crayfish in the South West by the Department of Water and Environmental Regulation (River Science team) and Edith Cowan University (School of Science) and is yet to be described. This species is similar in appearance to the restricted gilgie (*Cherax crassimanus*).

# This species may occur in the subcatchment as it has been recorded in both upstream and downstream subcatchments and is known to undertake localised migrations between subcatchments.