



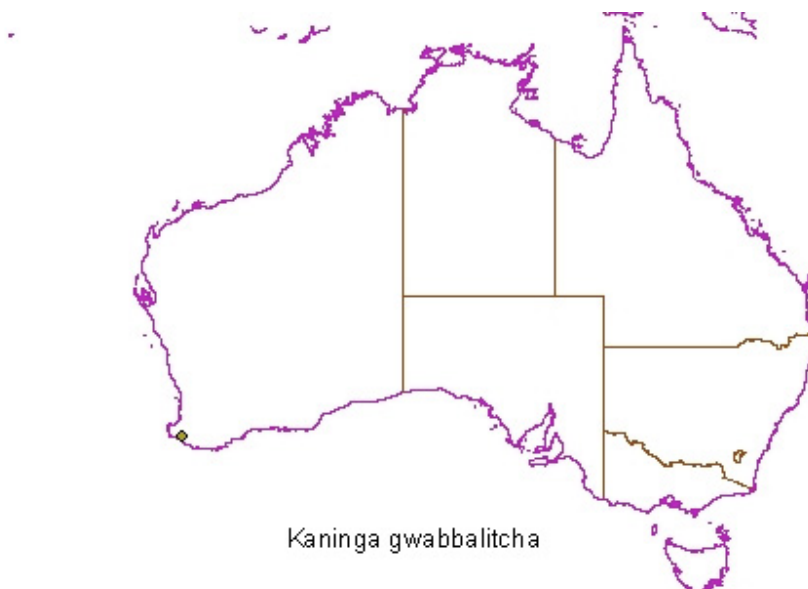
Family Leptophlebiidae

Habitat Profile for *Kaninga gwabbalitcha* Dean

Kaninga gwabbalitcha Dean was described from material from Western Australia (Dean 1987). In this study, *K. gwabbalitcha* was recorded from only a single locations from south-western Western Australia.

Kaninga gwabbalitcha was recorded in the channel habitat from lowland streams at 110m altitude, only 10 km from the source, with predominantly sandy substrate with detritus 30% cover. The stream was 3m wide, with low alkalinity of 18 mg/L, low turbidity of 3NTU, pH of 6.8 and medium conductivity of 194 μ S/cm.

The selected physical and chemical parameters and habitat categories are given in the Table.



Distribution of *Kaninga gwabbalitcha* in Australia



Table. Chemical and physical parameter ranges for *Kaninga gwabbalitcha*.

<i>Kaninga gwabbalitcha</i>	
Altitude (m)	110
Distance from source (km)	10
Width (m)	3
Depth (m)	
Water Temperature	11.3
Conductivity (µS/cm)	194
pH	6.8
Turbidity (NTU)	3
Oxidised Nitrogen (mg/L)	0.14
Total N (mg/L)	0.380
Total P (mg/L)	0.010
Alkalinity	18

Dean JC (1987) Two new genera of Letophlebiidae (Insecta: Ephemeroptera) from south-western Australia. *Memoirs of the Museum of Victoria* **48**, 91-100.