1 Introduction

Hancock Prospecting Pty Ltd (HPPL) is proposing to develop the Mulga Downs Iron Ore Mine (MDIOM), located approximately 180 km north-west of Newman in the Pilbara Region of Western Australia. In December 2024 Bennelongia Environmental Consultants (Bennelongia) produced a report entitled *Mulga Downs Iron Ore Mine: Subterranean Fauna Survey*, which presented the results of historical (2009-2014) and recent (2019-2024) surveys of subterranean fauna (stygofauna and troglofauna) at the MDIOM. JBS&G, on behalf of HPPL, requested that Biologic Environmental Survey (Biologic) provide a peer review of the survey data, and a reanalysis of molecular data from Bennelongia (2024). This document presents Biologic's peer review of the data, and molecular analysis in relation to stygofauna and troglofauna.

2 Peer review

2.1 Review personnel

Bennelongia (2024) and the associated survey data was reviewed by suitably qualified experts (the reviewers) in the field of subterranean, invertebrate and genetic ecology (Table 2.1).

Table 2.1: Personnel involved in the peer review

Personnel and position	Qualifications	Experience
Reviewer 1 Principal Geneticist	PhD (Molecular Ecology) BSc (Hons) BSc (Environmental Science)	• 19 years' invertebrate zoology/ecology • 5 years' consulting • 19 years' field survey
Reviewer 2 Senior Zoologist	BSc (Hons) BSc (Zoology, Botany)	• 14 years' invertebrate zoology/ecology • 14 years' consulting • 14 years' field survey
Reviewer 4 Senior Geneticist	BSc (Zoology)	• 6 years' invertebrate zoology/ecology • 6 years' consulting
Reviewer 5 Statistical Ecologist	BSc (Hons, Mathematics & Statistics) BSc (Zoology, Environmental Science)	• 23 years' statistical modelling and consulting

2.2 Review

The dataset is a consolidation of historical (2009-2014) and recent (2019-2024) surveys of subterranean fauna (stygofauna and troglofauna) at the MDIOM. The greatest challenge for developing a dataset of this nature is reconciling taxonomic identifications between different collections, undertaken by different consultants.

This challenge is explicitly acknowledged on page 25 of Bennelongia (2024), where the authors state:

> *"This high level of uncertainty is a result of much of the impact area sampling being done between 2009 and 2014, with difficulty comparing many of the animals collected in the early surveys with those from the later ones (most of the early Phoenix material was not available for comparison)."*

The authors provide a reconciled dataset; however, there is still considerable uncertainty around possible synonyms (i.e., single taxa that are represented by two different names in the dataset) between the early and more recent collections.

Subterranean fauna is dominated by poorly described and cryptic invertebrate taxa. As such, many specimens belong to undescribed species, and/or can be difficult to identify morphologically (Abrams *et al.*, 2019; Guzik *et al.*, 2019; Guzik *et al.*, 2024; Harvey *et al.*, 2023; King *et al.*, 2021; Stringer *et al.*, 2022). To overcome this challenge subterranean fauna studies and surveys now employ morphological and molecular data (e.g., Biologic, 2022). This is a recommendation of the subterranean fauna guidance (EPA, 2021).

The challenge for impact assessment practitioners is how to integrate these two datasets to build a single species list for a survey to support impact assessments or monitoring. Specimens will belong to four different categories:

- morphology only (not all specimens are sequenced, owing to cost)
- sequencing only (damaged specimens or juveniles, that cannot be morphologically identified)
- morphology and molecular (allowing a link between the two categories above)
- no morphology or molecular (typically retained as 'sp. indet' in datasets, identified to the lowest level possible).

There is no standardised approach for reconciling morphological and molecular identifications. The rationale for the reconciliation of morphological and molecular identifications is not presented in Bennelongia (2024), and as such there is considerable confusion about how the final species list was created.

2.2.1 Sequencing effort

In total, 147 successful sequences were used in this dataset. The poor sequencing success rate (58%) emphasises the importance of sample preservation. If this collection is degraded, as suggested in Appendix 3 of Bennelongia (2024), then it will be difficult to supplement with more sequencing. There is some suggestion in Bennelongia (2024) that the age of the collection is why sequencing success is poor, however no evidence is provided. While fresh material is typically preferred, specimen preservation is the most important factor. Perina *et al.* (2018) states that when specimens are preserved in 100% ethanol and kept refrigerated, specimens of Bathynellidae collected up to five years earlier can be successfully used for molecular and morphological analysis.

The result of the low sequencing rate across the collection is that there is a reliance on morphological identifications. Appendix 3 of Bennelongia (2024) emphasises the weakness of this approach without molecular support. In Appendix 3B of Bennelongia (2024), there are 34 instances of the morphological identification being changed by the genetic data (34 of 162 identifications = 20%). This is where taxon codes differ between the Morphological and Genetic Identifications in Appendix 3B of Bennelongia (2024) (see Table 2.2 for the summary of these altered identifications).

How these molecular results inform un-sequenced identifications and morphological species concepts is not explained. There are 19 morphological codes in this list, of which seven are still used in the final species list, presumably without molecular examination for those specimens that retain the morphological identification.

Table 2.2: Morphological identifications updated based on molecular data (derived from Appendix 3B of Bennelongia (2024))

Morphological Identification	Genetic Identification	Collection Site
**Bogidiella* `BAM183`	*Bogidiella* `BAM221`	MDWB0043
**Maarrka* `BAM182`	*Maarrka* `BAM185`	Unknown 5
*Neoniphargidae `BAM176`	Neoniphargidae `BAM229`	MDWB0042
*Neoniphargidae `BAM176`	Neoniphargidae `BAM229`	MDWB0042
*Paramelitidae sp. B48	Paramelitidae Genus 2 `BAM181`	MDPZ7461
*Paramelitidae sp. B48	Paramelitidae `BAM244`	Unknown 5
Paramelitidae Genus 2 sp. B11	Paramelitidae sp. B46	MDWB0058
*Paramelitidae sp. B48	*Chydaekata* `BAM180`	Calamina Well
Pilbarana group (PSS) s.l.	*Pilbarana* sp. B07 (=Melitidae SOLOMON 2)	UNK1

Morphological Identification	Genetic Identification	Collection Site
Pilbarana group (PSS) s.l.	*Pilbarana* sp. B07 (=Melitidae SOLOMON 2)	UNK1
Pilbarana group (PSS) s.l.	*Pilbarana* sp. B07 (=Melitidae SOLOMON 2)	UNK2
Pilbarus `BAM175`	*Chydaekata* `BAM180`	MDPZ7461
Pilbarus `BAM175`	*Pilbarus millsi* subsp. `BAM154`	MDWB0027
Pilbarus `BAM175`	*Pilbarus millsi* subsp. `BAM154`	MDPZ5296
Pilbarus `BAM175`	*Pilbarus millsi* subsp. `BAM154`	MDWB0053
**Pygolabis* `MH1`	*Pygolabis* `BIS563`	MDPZ9219
Enchytraeidae `2 bundle` s.l. (long thin 2 per seg)	Enchytraeidae `BOL081` (2 bundle long thin)	MD5838
*Enchytraeidae `2 bundle` s.l. (short sclero 4 per seg)	Enchytraeidae sp. Ench7	MD4800
*Enchytraeidae `3 bundle` s.l. (short sclero)	Enchytraeidae sp. E06-01	MD6304
Namanereis pilbarensis	*Namanereis* `BPOL001`	MDPZ7461
Humphreyscandona `BOS1602`	*Humphreyscandona* BOS387	MDP29219
Humphreyscandona `BOS1602`	*Humphreyscandona* `BOS387`	MDWB0043
Billibathynella sp. B11	*Billibathynella* sp. `BSY244`	MDWB0037
Billibathynella sp. B11	*Billibathynella* sp. B08	MDWB0026
Billibathynella sp. B11	*Billibathynella* sp. B08	MDWB0026
Billibathynella sp. B11	*Billibathynella* sp. B08	MDWB0026
Billibathynella sp. B11	*Billibathynella* sp. B08	MDWB0026
Coleoptera `BCO196`	Coleoptera `BCO207`	MD3809
Polydesmida `BDI065`	Haplodesmidae 'Helix-DIHAP001'	MD6089
Parajapygidae sp. B29	Parajapygidae 'MH1'	MD2040
Tyrannochthonius sp. B36	*Tyrannochthonius* sp. B35	MD0884
Trinemura sp. B27	*Trinemura* sp. WAM ZYGS005	MD3841
Trinemura sp. B27	*Trinemura* sp. WAM ZYGS005	MD1631
Trinemura sp. B27	*Trinemura* sp. WAM ZYGS005	MD1631

*Morphological identifications still retained in the final datasets.

3 Provision of new dataset

The data submission provided by Bennelongia, which includes historical (2009-2014) and recent (2019-2024) surveys of subterranean fauna (stygofauna and troglofauna) at the MDIOM was reviewed considering the challenges of integrating molecular and morphological identifications described above. It was also done integrating a reanalysis of the molecular data, provided in Appendix A and B of this memo. From this we provide a cleaned dataset (Appendix C).

We retained Bennelongia morphological identifications, except for those morpho-codes that were found to be corrected by molecular analysis in Appendix 3B of Bennelongia (2024) and still retained in the unsequenced morpho-identifications. These morpho-codes were reverted to 'sp. indet.' based on the assumption that the morphological identifications cannot be trusted in the absence of molecular support. This approach was necessary without any explanation of how these incongruencies were reconciled in Bennelongia (2024). We also updated identifications based on the re-analysis of molecular data in Appendix A and B, which included re-comparing with public databases.

3.1 Ecological Dependence

Species can be categorised based on their ecological dependence on subterranean habitats: troglobites and stygobites are obligate inhabitants of subterranean habitats; troglophiles and stygophiles use surface habitats at least occasionally; and trogloxenes and stygoxenes use subterranean habitats opportunistically. The reliability of this type of classification is limited by ecological information, and assumptions about the ecology of a species are usually based on morphology and collection data (Howarth & Moldovan, 2018). Populations within species can also be partitioned between epigean and subterranean habitats (Harms, 2018). We have provided a prediction of ecological dependence based on the lowest taxonomic classification available from the cleaned dataset. These are provided in Table 3.1.

Table 3.1: Ecological dependence categories for taxa

Lowest Taxonomic Unit	Ecological Dependence
Abnitocrella	Stygobite
Achaeta	Uncertain
Aeolosoma	Stygoxene/ Stygophile
Aeolosomatidae	Stygoxene/ Stygophile
Allopnyxia	Trogloxene/ Troglophile
Ameiridae	Stygobite
Anapistula	Troglobite
Anzcyclops	Stygoxene/ Stygophile
Areacandona	Stygobite
Atelurinae	Troglofauna (could be bite or phile)
Atopobathynella	Stygobite
Attheyella	Uncertain
Australocamptus	Stygobite
Australocyclops	Stygoxene/ Stygophile
Austrochthonius	Terrestrial
Bathynellidae	Stygobite
Bdelloidea	Unknown
Bennelongia	Stygoxene/ Stygophile
Billibathynella	Stygobite
Bogidiella	Stygobite
Brevisomabathynella	Stygobite
Buddelundia	Terrestrial
Campodeidae	Troglofauna (could be bite or phile)
Candonidae	Stygobite
Candonopsis	Stygobite
Canthocamptidae	Stygobite
Cephalodella	Uncertain
Chydaekata	Stygobite
Cixiidae	Trogloxene/ Troglophile
Coleoptera	Uncertain
Cormocephalus	Trogloxene/ Troglophile
Cryptops	Troglobite
Curculionidae	Trogloxene/ Troglophile
Cyclopidae	Stygoxene/ Stygophile
Cyclopoida	Uncertain
Cypretta	Stygoxene/ Stygophile
Cyprididae	Stygoxene/ Stygophile
Cypridopsis	Stygoxene/ Stygophile

Lowest Taxonomic Unit	Ecological Dependence
Cyprinopsinae	Stygoxene/ Stygophile
Cyprinotus	Stygoxene/ Stygophile
Deminutiocandona	Stygobite
Dero	Stygoxene/ Stygophile
Diacyclops	Stygoxene/ Stygophile
Diplura	Troglobite
Dodecastyla	Troglofauna (could be bite or phile)
Draculoides	Troglobite
Dussartcyclops	Stygoxene/ Stygophile
Dussartstenocaris	Stygobite
Elaphoidella	Stygobite
Enchytraeidae	Stygoxene/ Stygophile
Enchytraeus	Stygoxene/ Stygophile
Gnaphosidae	Troglobite
Gomphodella	Stygobite
Gracilanillus	Troglobite
Guineaxonopsis	Stygoxene/ Stygophile
Halacaridae	Uncertain
Hanseniella	Troglofauna
Haplodesmidae	Troglobite
Harpacticoida	Uncertain
Hexabathynella	Stygobite
Holoparamecus	Uncertain
Humphreyscandona	Stygobite
Ilyocypris	Stygoxene/ Stygophile
Indohya	Troglobite
Japygidae	Troglofauna
Lecane	Uncertain
Limnocythere	Stygobite
Linnaeolpium	Troglobite
Lophoturus	Trogloxene/ Troglophile
Maarrka	Stygobite
Magnanillus	Trogloxene/ Troglophile
Mangkurtu	Stygobite
Meenoplidae	Trogloxene/ Troglophile
Megastygonitocrella	Stygobite
Meridiescandona	Stygobite
Mesocyclops	Stygoxene/ Stygophile
Microcerberidae	Stygobite
Microcyclops	Stygoxene/ Stygophile
Microturbellaria	Uncertain

Lowest Taxonomic Unit	Ecological Dependence
Molina	Stygobite
Namanereis	Stygoxene/ Stygophile
Nedsia	Stygobite
Nematoda	Uncertain
Neoniphargidae	Stygobite
Nicoletiinae	Troglofauna
Nitokra	Stygobite
Nocticola	Trogloxene/ Troglophile
Novanitocrella	Stygobite
nr Andricophiloscia	Uncertain
nr Billibathynella	Stygobite
nr Schizopera	Stygobite
Oligochaeta	Uncertain
Olpiidae	Uncertain
Orbuscyclops	Stygoxene/ Stygophile
Ostracoda	Uncertain
Palpigradi	Troglobite
Parabathynellidae	Stygobite
Paracyclops	Stygoxene/ Stygophile
Parajapygidae	Troglofauna
Parajapyx	Troglofauna
Paramelitidae	Stygobite
Parastenocarididae	Stygobite
Parastenocaris	Stygobite
Pauropoda	Trogloxene/ Troglophile
Pauropodidae	Trogloxene/ Troglophile
Pescecyclops	Stygoxene/ Stygophile
Phaconeura	Trogloxene/ Troglophile
Philosciidae	Uncertain
Phreodrilidae	Stygoxene/ Stygophile
Phreodrilus	Stygoxene/ Stygophile
Pilbaracyclops	Uncertain
Pilbarana	Stygobite
Pilbaranella	Stygobite
Pilbarus	Stygobite
Platyhelminthes	Uncertain
Pristina	Stygoxene/ Stygophile
Projapygidae	Troglofauna
Ptinella	Trogloxene/ Troglophile
Pygolabis	Stygobite
Rangabradya	Uncertain
Riocypris	Stygoxene/ Stygophile

Lowest Taxonomic Unit	Ecological Dependence
Sarscypridopsis	Stygoxene/ Stygophile
Schizopera	Stygobite
Stenocypris	Stygoxene/ Stygophile
Strandesia	Stygoxene/ Stygophile
Symphylella	Troglofauna
Thermocyclops	Stygoxene/ Stygophile
Trinemura	Troglofauna
Trochanteriidae	Troglobite
Troglarmadillo	Troglobite
Tropocyclops	Uncertain
Tubificidae	Stygoxene/ Stygophile
Tubificinae	Stygoxene/ Stygophile
Turbellaria	Uncertain
Tyrannochthonius	Troglobite

3.2 Limitations and Constraints

These data assume that the unsequenced morphological identifications are accurate, which could not be independently assessed by Biologic. The molecular data are also assumed to be of an adequate quality for this analysis, which could not be verified without reviewing raw chromatograms, which would be very time consuming.

The ecological status has been predicted based on taxonomy only, with no reference to morphological features (e.g., troglomorphies). These assignments should be viewed with this in mind.

4 Conclusion

This document presents Biologic's peer review of the data and molecular analysis presented in Bennelongia (2024). We provide a new dataset (Appendix C) based on that review and those molecular analyses and provide habitat dependencies for taxa based on taxonomic identifications.

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Appendix A: Molecular Analysis - Stygofauna

1 Introduction

JBS&G, on behalf of Hancock Prospecting Pty Ltd provided 145 COI and 31 12S DNA sequences produced from the Mulga Downs Iron Ore Mine: Subterranean Fauna Survey (Bennelongia, 2024). Eighty of the COI sequences and ten of the 12S sequences represent potential stygofauna species. Biologic were requested to compare these sequences against available sequence databases to detect any potential matches and update linear range distributions for these taxa. The stygofauna sequences were provided in fasta format, and their details can be found in Table 3.1.

2 Methods

The methods described below are those applied by Biologic to reanalyse the stygofauna sequence data provided by Bennelongia. All methods and results described in this report are those undertaken by Biologic on Bennelongia's sequence data. We refer to Bennelongia's taxon identifications, and specimen/sequence identifier codes, but not their methods. We cannot critique their methods of name assignment as they are not described in enough detail in Bennelongia (2024).

2.1 DNA Sequence Quality Assurance and BLAST Analysis

For each taxonomic group (for the most part this was taxonomic order), stygofauna sequences were aligned using the MAFFT (Multiple Alignment using Fast Fourier Transform) algorithm (Katoh *et al.*, 2002). The DNA sequences were then assessed for quality by searching for and removing priming regions, identifying and removing low quality and misaligned nucleotides, testing for translation and the presence of stop codons.

The standard procedure at Biologic is to use fauna-specific genetic distance thresholds to lump sequences into OTUs (operational taxonomic unit - based on COI or 12S cluster similarity). This designation is based on published literature and previous analyses. Where thresholds are not available, our assessment uses average divergence thresholds developed by broad-level studies (e.g. Hebert *et al.*, 2003). In general, ≤8% COI divergence is seen as appropriate to determine OTUs (Hebert *et al.*, 2003), however, higher or lower divergences are sometimes justified depending on the organism studied. Unless otherwise stated, we consider sequences that exhibit COI divergences ≤8% to belong to the same OTU. We consider the OTUs presented here as preliminary molecular identifications, that may change over time as more genetic and morphological data become available. Some sequences matched described species.

The intraspecific divergence thresholds used to designate Genetic Identifications (hereafter, Genetic IDs) assigned by Bennelongia were initially analysed using the distance matrix generated from the MAFFT alignment. Sequences were then BLASTed against two separate sources: GenBank (a publicly available DNA sequence database) and Biologic's unpublished DNA sequence libraries. Sequences were searched using the "blastn" function, which returns similar matches. Any unusual sequences that did not BLAST to target sequences for that taxon (based on morphological identifications) were assessed by building phylogenies (including external sequences based on taxonomic identification for comparison) and examining tree topology. The same method was applied to any sequences that diverged from the OTU thresholds typically used by Biologic.

Once names had been assigned to stygofauna specimens, the linear ranges of taxa were calculated using the available matches.

3 Results and Discussion

3.1 DNA Sequence Quality and Data quality assessment

Initial analyses of the stygofauna data revealed numerous discrepancies between data from the associated text string of each sequence provided in the fasta file and the data presented in Bennelongia (2024). The main issues are outlined below, please see Table 3.1 for specific examples and further clarification.

- The sequence text string name was not updated with the Genetic ID presented in Bennelongia (2024) Appendix 3, instead most often reflecting the morphological ID of the specimen.
- Sequences with differing Genetic ID were found to be matches, eliminating the need for one of the Genetic ID names.
- In one case, there were two different genus names associated with a Genetic ID throughout Bennelongia (2024). We were able to resolve the correct genus by analysing the sequence in a phylogenetic tree with comparative sequences for that taxon order.

Additionally, after BLAST analysis, several issues were highlighted that conflict with present Biologic methodologies, please see Table 3.1 for specific examples and further clarification.

- Where matches occurred between Bennelongia sequences and a described species' sequence available on GenBank, described names were not used in the Genetic ID. Instead, the Genetic ID reflected the in-house morphological identifications.
- In several cases the Genetic ID was based on species names from morphological identifications, with no sequences existing for the described species to allow for

confirmation of the morphological identification. The lack of availability of described species on GenBank for comparison is not uncommon, as not all described species have been sequenced.

- Genetic ID was given to a specimens (741156 and 687948) based on the same morphological identification as specimens sequenced for COI. However, because there was no representative of the 12S specimen sequenced for the COI Genetic ID, there was no way of knowing if it belonged to the same Genetic ID.
- We have identified one 12S sequence (732944) as potential contamination with no close matches to its taxon group and inconclusive grouping within the phylogenetic tree. The COI representative for this specimen was successful.
- The use of taxonomic nomenclature s.l in the Genetic ID which suggests inherent uncertainty in the taxonomic name. This initialism stands for sensu lato, which means "in the broad sense". In taxonomy, this is used to indicate that the name is being used beyond the formal definition, to include specimens that may not fall under this name using the strict application of the name. We consider this term to be unhelpful when undertaking biodiversity surveys, and many taxonomists use this term in different ways, further complicating its usage. See *Nedsia hurlberti* below.

Biologic then proceeded with a proposed OTU name for each stygofauna sequence to best reconcile the Genetic ID conflictions. This also enabled intraspecific divergences and linear distances to be calculated.

3.2 BLAST Results

The 90 COI and 12S sequences formed 53 distinct stygofauna OTUs, with (as stated previously) many inconsistencies between the identifications associated with the provided fasta sequences and Bennelongia (2024). Twenty-five of the stygofauna OTUs matched sequences from Biologic's sequence database or GenBank. New linear ranges and distributions were calculated based on matches and spatial data available to Biologic. These results can be found in Table 3.2. Discussed below are a few considerations resulting from the molecular reanalysis.

The Genetic ID *Nedsia hulberti* s.l. proposed by (Bennelongia, 2024) should be treated with caution. Firstly, the use of taxonomic nomenclature s.l is interpreted with inherent uncertainty and is not recommended in defining a proposed genetic ID or OTU. As stated by King *et al.* (2021) *Nedsia hulberti* is now thought to be restricted to Barrow Island. As such we have proposed a new OTU name, retaining *Nedsia* as the genus and discarding any species-specific reference. Additionally, obtaining COI sequences for these specimens would be valuable in determining their possible match to other published sequences from King *et al.* (2021).

The Genetic IDs for *Diacyclops einslei* (type location for this specimen is 161 km northwest of Mulga Downs specimen), *Diacyclops sobeprolatus* (type location for this specimen is 190 km southeast in Newman) and *Areacandona quasilepte* (type location for this specimen is 59 km northwest) are based on their morphological identification (no sequences exist for the respective type specimens). In the absence of a sequence match to a described species, the standard procedure at Biologic is to proceed with caution. Based on phylogenetic analyses the resulting OTU usually retains genus level identification but discards species-specific names until a foundation of well identified and sequenced specimens have been determined for the proposed species name. The Genetic IDs applied to *Mesocyclops brooksi* and *Mesocyclops notius* were also based on morphological identifications however these species concepts matched Biologic OTUs which presently support this taxonomic identification.

Lastly, Neoniphargidae `BAM229` matched the Biologic OTU Amphipoda `sp. Biologic-AMPH077`. In-house taxonomists at Biologic currently suggest specimens from this OTU do not morphologically match any of the described Amphipoda families and is thought to possibly belong to a new Amphipoda family (Biologic, unpublished data). More work is required to resolve our taxonomic understanding of this OTU and as such the identification has been kept at Amphipoda.

Table 3.1: Summary of BLAST results for stygofauna COI and 12S sequences. Orange highlighting indicates that the OTU assigned by Biologic differs from that used by Bennelongia. Grey highlighting indicates 12S sequences.

Specimen Number	Unique sequence number	Site	Taxon code in sequence name	Bennelongia Genetic ID from Bennelongia (2024)	Proposed OTU name	Target gene region	Match BLAST database	OTU Match (Biologic/GenBank Name)	Comment
Amphipoda									
688276	8286	Malay Bore	*Bogidiella* BAM183	*Bogidiella* `BAM183`	*Bogidiella* `BAM183`	COI	No		
741160	8285	MDWB0038	*Bogidiella* BAM183	*Bogidiella* `BAM183`	*Bogidiella* `BAM183`	COI	No		
739488	8170	MDWB0043	*Bogidiella* BAM183	*Bogidiella* `BAM221`	*Bogidiella* `BAM221`	COI	No		This sequence is 21.5% divergent from *Bogidiella* BAM183. Wrong Taxon code used in sequence name.
733024	8459	SOLOMON 2 UNK1	*Pilbarana* B07 Melitidae	*Pilbarana* sp. B07 (=Melitidae SOLOMON 2)	*Pilbarana lowryi*	COI	Yes	*Pilbarana lowryi*	Matched GenBank sequences for *Pilbarana lowryi* (a described species). We propose using the described name for the OTU name. Unsure as to why the incorrect family name (Melitidae) is in sequence name.
739172	8300	SOLOMON 2 UNK1	*Pilbarana* B07 Melitidae	*Pilbarana* sp. B07 (=Melitidae SOLOMON 2)	*Pilbarana lowryi*	COI	Yes	*Pilbarana lowryi*	As above.
733490	8460	SOLOMON 2 UNK2	*Pilbarana* B07 Melitidae	*Pilbarana* B07 Melitidae	New *Pilbarana* OTU 1	12S	No		This sequence name is based on the morphological ID. Different specimens were used to generate the COI *Pilbarana* B07 sequences.

Specimen Number	Unique sequence number	Site	Taxon code in sequence name	Bennelongia Genetic ID from Bennelongia (2024)	Proposed OTU name	Target gene region	Match BLAST database	OTU Match (Biologic/GenBank Name)	Comment
741156	8290	MDWB0043	*Nedsia_hurlberti_*sl	*Nedsia hulberti* s.l.	New *Nedsia* OTU 1	12S	No		The Genetic ID is based on the morphological ID, there are no 12S *Nedsia hurlberti* sequences available for comparison (there are COI sequences available). Groups with other 12S Nedsia sequences in phylogenetic tree.
687948	8291	The Pools	*Nedsia_hurlberti_*sl	*Nedsia hulberti* s.l.	New *Nedsia* OTU 1	12S	No		The Genetic ID is based on the morphological ID, there are no 12S *Nedsia hurlberti* sequences available for comparison (there are COI sequences available). Groups with other 12S Nedsia sequences in phylogenetic tree.
739470	8292	MD5821	Neoniphargidae BAM176	Neoniphargidae `BAM176`	Neoniphargidae `BAM176`	COI	No		No Neoniphargidae sequences available on GenBank for comparison, Genetic ID based on morphological ID.
759043	9032	MDWB0042	Neoniphargidae BAM229	Neoniphargidae `BAM229`	Neoniphargidae `BAM229`	COI	Yes	Amphipoda `sp. Biologic-AMPH077`	As above.
761538	9033	MDWB0042	Neoniphargidae BAM229	Neoniphargidae `BAM229`	Neoniphargidae `BAM229`	COI	Yes	Amphipoda `sp. Biologic-AMPH077`	As above.
741167	8299	Calamina Well	*Chydaekata* BAM180	*Chydaekata* `BAM180`	*Chydaekata* `BAM180`	COI	Yes	*Chydaekata* `sp. Biologic-AMPH064`	
706948	6349	MDCMB09	*Chydaekata* BAM180	*Chydaekata* `BAM180`	*Chydaekata* `BAM180`	COI	Yes	*Chydaekata* `sp. Biologic-AMPH064`	
688054	6350	MDPZ7457C	*Chydaekata* BAM180	*Chydaekata* `BAM180`	*Chydaekata* `BAM180`	COI	Yes	*Chydaekata* `sp. Biologic-AMPH064`	
739076	8392	MDPZ7461	*Chydaekata* BAM180	*Chydaekata* `BAM180`	*Chydaekata* `BAM180`	COI	Yes	*Chydaekata* `sp. Biologic-AMPH064`	

Specimen Number	Unique sequence number	Site	Taxon code in sequence name	Bennelongia Genetic ID from Bennelongia (2024)	Proposed OTU name	Target gene region	Match BLAST database	OTU Match (Biologic/GenBank Name)	Comment
688139	6348	MDWB0036	*Chydaekata* BAM180	*Chydaekata* `BAM180`	*Chydaekata* `BAM180`	COI	Yes	*Chydaekata* `sp. Biologic-AMPH064`	
706946	6351	MDCMB09	*Maarrka* BAM182	*Maarrka* `BAM182`	*Maarrka* `BAM182`	COI	No		
741159	8289	MDWB0038	*Maarrka* BAM182	*Maarrka* `BAM182`	*Maarrka* `BAM182`	COI	No		
706951	6352	Unknown 5	*Maarrka* BAM185	*Maarrka* `BAM185`	*Maarrka* `BAM185`	COI	No		*Maarrka* BAM185 and *Maarrka* BAM222 matched with 100% similarity. We propose using *Maarrka* BAM185 for the OTU name of both sequences.
741173	8288	MD5829	*Maarrka* BAM222	*Maarrka* `BAM222`	*Maarrka* `BAM185`	COI	No		*Maarrka* BAM185 and *Maarrka* BAM222 matched with 100% similarity. We propose using *Maarrka* BAM185 for the OTU name of both sequences
759648	9034	MDWB0054	Paramelitidae B42	Paramelitidae sp. B42	Paramelitidae sp. B42	COI	No		
741165	8390	MDWB0042	Paramelitidae B46	Paramelitidae sp. B46	Paramelitidae sp. B46	COI	Yes	Paramelitidae `sp. Biologic-AMPH065`	
739209	9228	MDWB0058	Paramelitidae B46	Paramelitidae sp. B46	Paramelitidae sp. B46	COI	Yes	Paramelitidae `sp. Biologic-AMPH065`	
741170	8296	UNK1	Paramelitidae B46	Paramelitidae sp. B46	Paramelitidae sp. B46	COI	Yes	Paramelitidae `sp. Biologic-AMPH065`	
741152	8395	MD7043	Paramelitidae MH1 AMP026	Paramelitidae `MH1`	Paramelitidae sp. B47	COI	Yes	Paramelitidae `sp. Biologic-AMPH067`	Sequence matched Paramelitidae sp. B47 with 98.6% similarity. We propose using Paramelitidae sp. B47 as the OTU name for both sequences.
732944	8297	MD7043	Paramelitidae B47	Paramelitidae sp. B47	Paramelitidae sp. B47	COI	Yes	Paramelitidae `sp. Biologic-AMPH067`	Sequence matched Paramelitidae sp. B47 with 98.6% similarity. We

Specimen Number	Unique sequence number	Site	Taxon code in sequence name	Bennelongia Genetic ID from Bennelongia (2024)	Proposed OTU name	Target gene region	Match BLAST database	OTU Match (Biologic/GenBank Name)	Comment
									propose using Paramelitidae sp. B47 as the OTU name for both sequences.
732944	8298	MD7043	Paramelitidae B47	Not specified for 12S		12S	No		Sequence name reflects ID from the COI sequence for the same specimen. No close matches to any Amphipoda sequences on GenBank and does not group with other Paramelitidae 12S sequences in phylogenetic tree. Unsure if this sequence may be contamination
741157	9229	MDPZ7461	Paramelitidae B48	Paramelitidae Genus 2 `BAM181`	Paramelitidae Genus 2 `BAM181`	COI	Yes	Paramelitidae `sp. Biologic-AMPH076`	98.5% similar to Paramelitidae Genus 2 BAM181. Wrong code left on sequence name.
739508	8382	Maddina Well	Paramelitidae Genus 2 BAM181	Paramelitidae Genus 2 `BAM181`	Paramelitidae Genus 2 `BAM181`	COI	Yes	Paramelitidae `sp. Biologic-AMPH076`	
739460	8383	MD7046	Paramelitidae Genus 2 BAM181	Paramelitidae Genus 2 `BAM181`	Paramelitidae Genus 2 `BAM181`	COI	Yes	Paramelitidae `sp. Biologic-AMPH076`	
732900	8294	MDPZ9212S	Paramelitidae Genus 2 BAM181	Paramelitidae Genus 2 `BAM181`	Paramelitidae Genus 2 `BAM181`	COI	Yes	Paramelitidae `sp. Biologic-AMPH076`	
733478	8302	MDWB0037	Paramelitidae Genus 2 BAM181	Paramelitidae Genus 2 `BAM181`	Paramelitidae Genus 2 `BAM181`	COI	Yes	Paramelitidae `sp. Biologic-AMPH076`	
758774	9231	Unknown 5	Paramelitidae BAM244	Paramelitidae `BAM244`	Paramelitidae `BAM244`	COI	No		
741154	8391	MD5825	Paramelitidae Genus 2 BAM211	Paramelitidae Genus 2 `BAM211`	Paramelitidae Genus 2 `BAM211`	COI	No		

Specimen Number	Unique sequence number	Site	Taxon code in sequence name	Bennelongia Genetic ID from Bennelongia (2024)	Proposed OTU name	Target gene region	Match BLAST database	OTU Match (Biologic/GenBank Name)	Comment
733479	8295	MDWB0037	Paramelitidae Genus 2 BAM211	Paramelitidae Genus 2 `BAM211`	Paramelitidae Genus 2 `BAM211`	COI	No		
758984	9011	MDPZ9220	*Pilbarus millsi* sl	*Pilbarus millsi* s.l	*Pilbarus millsi*	COI	Yes	*Pilbarus millsi*	We propose using the described name.
758984	9012	MDPZ9220	*Pilbarus millsi* sl	*Pilbarus millsi* s.l	*Pilbarus millsi*	COI	Yes	*Pilbarus millsi*	
739092	8393	MDPZ5296	*Pilbarus millsi* subBAM154	*Pilbarus millsi* subsp. `BAM154`	*Pilbarus millsi*	COI	Yes	*Pilbarus millsi*	
745416	8301	MDWB0027	*Pilbarus millsi* subBAM154	*Pilbarus millsi* subsp. `BAM154`	*Pilbarus millsi*	COI	Yes	*Pilbarus millsi*	
739094	8394	MDWB0053	*Pilbarus millsi* subBAM154	*Pilbarus millsi* subsp. `BAM154`	*Pilbarus millsi*	COI	Yes	*Pilbarus millsi*	
Bathynellacea									
688149	6364	Horaces Well	Bathynellidae BSY246	Bathynellidae `BSY246`	Bathynellidae `BSY246`	COI	No		
758772	9022	MDWB0025	*Pilbaranella* BSY380	*Pilbaranella* `BSY380`	*Pilbaranella* `BSY380`	COI	No		
761172	9023	MDWB0025	*Pilbaranella* BSY380	*Pilbaranella* `BSY380`	*Pilbaranella* `BSY380`	COI	No		
745331	8323	MD7063	*Billibathynella* B08	*Billibathynella* sp. B11	*Billibathynella* sp. B11	COI	No		Wrong taxon code left on sequence name. This sequence is 13.1% different to the other *Billibathynella* B08 sequences.
759047	9000	MDWB0026	*Billibathynella* B08	*Billibathynella* sp. B08	*Billibathynella* sp. B08	COI	No		
759047	9001	MDWB0026	*Billibathynella* B08	*Billibathynella* sp. B08	*Billibathynella* sp. B08	COI	No		
688273	6366	WF0188	*Billibathynella* B08	*Billibathynella* sp. B08	*Billibathynella* sp. B08	COI	No		
758575	8998	MDWB0053	*Billibathynella* B10	*Billibathynella* sp. B10	*Billibathynella* sp. B10	COI	No		

Specimen Number	Unique sequence number	Site	Taxon code in sequence name	Bennelongia Genetic ID from Bennelongia (2024)	Proposed OTU name	Target gene region	Match BLAST database	OTU Match (Biologic/GenBank Name)	Comment
687907	6365	Calamina Well	*Billibathynella* BSY238	*Billibathynella* `BSY238`	*Billibathynella* `BSY238`	COI	No		
740163	8434	MDWB0037	*Billibathynella* BSY244	*Billibathynella* sp. `BSY244`	*Billibathynella* sp. `BSY244`	COI	No		
741027	8324	MDWB0038	*Brevisomabathynella* BSY233	*Brevisomabathynella* `BSY233`	*Brevisomabathynella* `BSY233`	COI	No		
687999	6367	Company	*Brevisomabathynella* BSY247	*Brevisomabathynella* `BSY247`	*Brevisomabathynella* `BSY247`	COI	Yes	nr. *Brevisomabathynella* `sp. Biologic-PBAT021`	
739531	8325	MDWB0043	*Hexabathynella* BSY234	*Brevisomabathynella* `BSY234`	*Hexabathynella* `BSY234`	COI	No		This OTU seems to have been reported with different genus designations throughout Bennelongia (2024). The sequence groups with other *Hexabathynella* sequences in the phylogenetic tree so we propose using this genus in the OTU name.
Isopoda									
758578	9025	MDPZ9219	*Pygolabis* BIS563	*Pygolabis* `BIS563`	*Pygolabis* `BIS563`	COI	Yes	*Pygolabis* `sp. Biologic-ISOP083`	
678514	6361	MDPZ7458C	*Pygolabis* MH1	*Pygolabis* `MH1`	*Pygolabis* `Phoenix-MH1`	COI	No		
688140	8385	MDPB0014	*Pygolabis* MH1	*Pygolabis* `MH1`	*Pygolabis* `Phoenix-MH1`	COI	No		
688140	8386	MDPB0014	*Pygolabis* MH1	Not specified for 12S	*Pygolabis* `Phoenix-MH1`	12S	No		Sequence name reflects ID from the COI sequence for the same specimen.
Spelaeogriphacea									
745413	8361	MDWB0042	*Mangkurtu* BSPE004	*Mangkurtu* `BSPE004`	*Mangkurtu* `BSPE004`	COI	No		
Cyclopoida									

Specimen Number	Unique sequence number	Site	Taxon code in sequence name	Bennelongia Genetic ID from Bennelongia (2024)	Proposed OTU name	Target gene region	Match BLAST database	OTU Match (Biologic/GenBank Name)	Comment
678557	8303	Calamina Bore	*Diacyclops einslei*	*Diacyclops einslei*	*Diacyclops einslei*	COI	No		Genetic name based on morphological identification, there are no sequences for the described species available for comparison.
684712	8310	Calamina Bore	*Diacyclops sobeprolatus*	*Diacyclops sobeprolatus*	*Diacyclops sobeprolatus*	COI	Yes	*Diacyclops* `sp. Biologic-CYCL071`	Genetic name based on morphological identification, there are no sequences for the described species available for comparison.
684712	8311	Calamina Bore	*Diacyclops sobeprolatus*	Not specified for 12S	*Diacyclops sobeprolatus*	12S	No		Sequence name reflects ID from the COI sequence for the same specimen.
688208	8454	md hyp4	*Mesocyclops* BCY098	*Mesocyclops* `BCY098`	*Mesocyclops* `BCY098`	COI	Yes	*Mesocyclops* `sp. Biologic-CYCL030`	
745409	8455	MDWB0040	*Mesocyclops brooksi*	*Mesocyclops brooksi*	*Mesocyclops brooksi*	COI	Yes	*Mesocyclops* `sp. Biologic-CYCL001`	Genetic name based on morphological identification, there are no sequences for the described species available for comparison.

Specimen Number	Unique sequence number	Site	Taxon code in sequence name	Bennelongia Genetic ID from Bennelongia (2024)	Proposed OTU name	Target gene region	Match BLAST database	OTU Match (Biologic/GenBank Name)	Comment
628819	8456	Robinsons Well	*Mesocyclops notius*	*Mesocyclops notius*	*Mesocyclops notius*	COI	Yes	*Mesocyclops* `sp. Biologic-CYCL002`	Genetic name based on morphological identification, there are no sequences for this species available for comparison.
739149	8433	Horraces Bore	*Thermocyclops* BCY102	*Thermocyclops* `BCY102`	*Thermocyclops* `BCY102`	COI	Yes	*Thermocyclops* `sp. Biologic-CYCL014`	
Harpacticoida									
688144	6358	MDPB0014	*Abnitocrella eberhardi*	*Abnitocrella eberhardi*	*Abnitocrella eberhardi*	COI	Yes	Ameiridae `sp. Biologic-HARP033`	Genetic name based on morphological identification, there are no sequences for this species available for comparison. Matched with 8% similarity to a Biologic OTU, both OTUs are found within the same catchment (Fortescue River).
739155	8317	MDWB0038	*Dussartstenocaris* BHA335	*Dussartstenocaris* `BHA335`	*Dussartstenocaris* `BHA335`	COI	No		
678072	6359	MDPZ7462C	*Parastenocaris* B18	*Parastenocaris* sp. B18	*Parastenocaris* sp. B18	COI	Yes	*Parastenocaris* `sp. Biologic-HARP055`	
684713	6360	MD6089	*Parastenocaris* B29	*Parastenocaris* sp. B29	*Parastenocaris* sp. B29	COI	Yes	*Parastenocaris* `sp. Biologic-HARP056`	
Ostracoda									
758775	9045	UNK5	*Areacandona* BOS1874	Candonidae `BOS1874`	Candonidae `BOS1874`	COI	No		Differing taxonomic designation between sequence name and Bennelongia (2024).

Specimen Number	Unique sequence number	Site	Taxon code in sequence name	Bennelongia Genetic ID from Bennelongia (2024)	Proposed OTU name	Target gene region	Match BLAST database	OTU Match (Biologic/GenBank Name)	Comment
678537	8343	Ebathacalby bore	*Humphreyscandona waldockae*	*Areacandona* `BOS1372`	*Areacandona* `BOS1372`	COI	No		Sequence name wrong, not updated to Genetic ID. Bennelongia (2024) missed match to *Areacandona* `BOS1433`/*Areacandona mulgae*.
733586	8338	MD7048	*Areacandona mulgae*	*Areacandona* `BOS1433`	*Areacandona* `BOS1372`	COI	No		Sequence name is wrong. Recorded as *Areacandona* `BOS1433` in both morphological and Genetic ID in Bennelongia (2024). This sequence is 93% similar to *Humphreyscandona* `BOS1372`/*Humphreyscandona waldockae* as stated above. We propose using *Areacandona* `BOS1372` as the OTU name.
733586	8339	MD7048	*Areacandona mulgae*	Not specified for 12S	*Areacandona* `BOS1372`	12S	No		Sequence name based on morphological ID/ID from COI sequence for the same specimen.
760110	9043	MDPZ9219	*Areacandona quasilepte*	*Areacandona quasilepte*	*Areacandona quasilepte*	COI	No		Genetic name based on morphological identification, there are no sequences for this species available for comparison. Site name recorded differently in Bennelongia (2024) Appendix to sequence name and raw data.

Specimen Number	Unique sequence number	Site	Taxon code in sequence name	Bennelongia Genetic ID from Bennelongia (2024)	Proposed OTU name	Target gene region	Match BLAST database	OTU Match (Biologic/GenBank Name)	Comment
739487	8379	MDWB0043	*Areacandona quasilepte*	*Areacandona quasilepte*	*Areacandona quasilepte*	COI	No		Genetic name based on morphological identification, there are no sequences for this species available for comparison.
739487	8380	MDWB0043	*Areacandona quasilepte*	Not specified for 12S	*Areacandona quasilepte*	12S	No		Sequence name based on morphological ID/ID from COI sequence for the same specimen.
745795	8452	MDPZ9212S	*Humphreyscandona* BOS1714	*Humphreyscandona* `BOS1714`	*Humphreyscandona* `BOS1714`	COI	No		
745809	8453	MDWB0038	*Humphreyscandona* BOS1714	*Humphreyscandona* `BOS1714`	*Humphreyscandona* `BOS1714`	COI	No		
758119	9042	MDPZ9219	*Humphreyscandona* BOS387	*Humphreyscandona* `BOS387`	*Humphreyscandona* `BOS387`	COI	Yes	*Areacandona* `sp. Biologic-OSTR081`	Match to a Biologic OTU which has been designated to a different genus. Unsure on how much confidence we can have in *Humphreyscandona* identifications, see *Areacandona* `BOS1372` for example.
759149	9046	MDWB0043	*Humphreyscandona* BOS387	*Humphreyscandona* BOS387	*Humphreyscandona* `BOS387`	COI	Yes	*Areacandona* `sp. Biologic-OSTR081`	
707008	6362	Unknown 5	*Humphreyscandona* BOS387	*Humphreyscandona* `BOS1435`	*Humphreyscandona* `BOS1435`	COI	Yes	Candonidae `sp. Biologic-OSTR090`	Sequence name wrong, not updated to Genetic ID
733014	8378	MDWB0042	*Humphreyscandona* BOS387	Not specified for 12S	*Humphreyscandona* `BOS1435`	12S	No		

Specimen Number	Unique sequence number	Site	Taxon code in sequence name	Bennelongia Genetic ID from Bennelongia (2024)	Proposed OTU name	Target gene region	Match BLAST database	OTU Match (Biologic/GenBank Name)	Comment
678226	8341	Pipally Well	*Cypridopsis* BOS666	*Cypridopsis* `BOS666`	*Cypretta maya*	COI	Yes	*Cypretta maya*	Match to *Cypretta* sequences, however *Cypridopsis* was used as the Genetic ID
707018	6363	MDPB0013B	*Cyprinotus kimberleyensis* sl	*Cyprinotus kimberleyensis* s.l.	*Cyprinotus cingalensis*	COI	Yes	*Cyprinotus cingalensis*	Matched to GenBank sequence for *Cyprinotus cingalensis* (direct submission from India). The morphological ID was retained for the Genetic ID.
Nereididae									
739081	8336	MDPZ7461	*Namanereis* BPOL001	*Namanereis* `BPOL001`	*Namanereis* `BPOL001`	COI	Yes	*Namanereis* `sp. Biologic-POLY008`	
739081	8337	MDPZ7461	*Namanereis* BPOL001	Not specified for 12S	*Namanereis* `BPOL001`	12S	No		Sequence name based on morphological ID/ID from COI sequence for the same specimen
Oligocheata									
739458	8376	MD5838	Enchytraeidae BOL081_2bundl elongthin	Enchytraeidae `BOL081`	Enchytraeidae `BOL081`	COI	No		
678688	6355	MD6304	Enchytraeidae E06-01	Enchytraeidae sp. E06-01	Enchytraeidae `sp. E6`	COI	Yes	Enchytraeidae `sp. E6`	Matched GenBank sequences for described species Enchytraeidae `sp. E6`
678545	6354	MD4800	Enchytraeus Ench7	Enchytraeidae sp. Ench7	Enchytraeidae `sp. E11 LB-2015`	COI	Yes	Enchytraeidae `sp. E11 LB-2015`	Matched GenBank sequences for described species Enchytraeidae `sp. E11 LB-2015`
687945	6357	Mountain Well	Phreodrilidae AP SVC sl	Phreodrilidae sp. AP SVC s.l.	*Antarctodrilus* `sp. Biologic-OLIG038`	COI	Yes	*Antarctodrilus* `sp. Biologic-OLIG038`	Match to a Biologic OTU which has been designated to genus

Table 3.2: Summary of stygofauna OTU matches, linear distances and intraspecific divergences based on COI sequences.

Proposed OTU name for Bennelongia sequences	OTU Match (Biologic/ GenBank Name)	Linear Range	Intraspecific Divergence
Amphipoda			
Bogidiella `BAM183`		50.2 km	0.3%
Bogidiella `BAM221`		singleton	
Chydaekata `BAM180`	*Chydaekata* `sp. Biologic-AMPH064`	88.4 km	5.2%
Maarrka `BAM182`		<1 km	0.0%
Maarrka `BAM185`		5.0 km	0.2%
Neoniphargidae `BAM176`		singleton	
Neoniphargidae `BAM229`	Amphipoda `sp. Biologic-AMPH077`	7.8 km	0.5%
*New *Nedsia* OTU 1		13.6 km	0.5%
New *Pilbarana* OTU 1		singleton	
Paramelitidae `BAM244`		singleton	
Paramelitidae Genus 2 `BAM181`	Paramelitidae `sp. Biologic-AMPH076`	18.4 km	1.3%
Paramelitidae Genus 2 `BAM211`		2.4 km	1.9%
Paramelitidae sp. B42		singleton	
Paramelitidae sp. B46	Paramelitidae `sp. Biologic-AMPH065`	38.9 km	3.9%
Paramelitidae sp. B47	Paramelitidae `sp. Biologic-AMPH067`	4.4 km	1.4%
Pilbarana lowryi	*Pilbarana lowryi*	51.7 km	5.3%
Pilbarus millsi	*Pilbarus millsi*	131.3 km	9.6%
Bathynellacea			
Bathynellidae `BSY246`		singleton	
Billibathynella `BSY238`		singleton	
Billibathynella sp. `BSY244`		singleton	
Billibathynella sp. B08		33.7 km	1.8%
Billibathynella sp. B10		singleton	
Billibathynella sp. B11		singleton	
Brevisomabathynella `BSY247`	nr. *Brevisomabathynella* `sp. Biologic-PBAT021`	<1 km	0.5%
Brevisomabathynella `BSY233`		singleton	
Hexabathynella `BSY234`		singleton	
Pilbaranella `BSY380`		same site	0.0%
Isopoda			
Pygolabis `BIS563`	*Pygolabis* `sp. Biologic-ISOP083`	4.7 km	0.3%
Pygolabis `Phoenix-MH1`		2.0 km	0.7%
Spelaeogriphacea			
Mangkurtu `BSPE004`		singleton	
Cyclopoida			

Proposed OTU name for Bennelongia sequences	OTU Match (Biologic/ GenBank Name)	Linear Range	Intraspecific Divergence
Diacyclops einslei		singleton	
Diacyclops sobeprolatus	*Diacyclops* `sp. Biologic-CYCL071`	70.7 km	4.9%
Mesocyclops `BCY098`	*Mesocyclops* `sp. Biologic-CYCL030`	322.1 km	0.7%
Mesocyclops brooksi	*Mesocyclops* `sp. Biologic-CYCL001`	Found in Pilbara and Murchison IBRA regions	2.7%
Mesocyclops notius	*Mesocyclops* `sp. Biologic-CYCL002`	Found in Pilbara and Murchison IBRA regions	7.9%
Thermocyclops `BCY102`	*Thermocyclops* `sp. Biologic-CYCL014`	Pilbara wide	4.2%
Harpacticoida			
Abnitocrella eberhardi	Ameiridae `sp. Biologic-HARP033`	79.2 km	8.0%
Dussartstenocaris `BHA335`		singleton	
Parastenocaris sp. B18	*Parastenocaris* `sp. Biologic-HARP055`	12.4 km	4.8%
Parastenocaris sp. B29	*Parastenocaris* `sp. Biologic-HARP056`	13.8 km	5.5%
Ostracoda			
Areacandona `BOS1372`		27.7km	7.0%
Areacandona quasilepte		11.8 km	5.0%
Candonidae `BOS1874`		singleton	
Cypretta maya	*Cypretta maya*	338 km within the Pilbara, also found world-wide	4.3%
Cyprinotus cingalensis	*Cyprinotus cingalensis*	280 km within Pilbara, also found world-wide	1.9%
Humphreyscandona `BOS1435`	Candonidae `sp. Biologic-OSTR090`	<1 km	3.7%
Humphreyscandona `BOS1714`		2.3 km	0.5%
Humphreyscandona `BOS387`	*Areacandona* `sp. Biologic-OSTR081`	81.5 km	2.8%
Nereididae			
Namanereis `BPOL001`	*Namanereis* `sp. Biologic-POLY008`	139.0 km	6.3%
Oligocheata			
Enchytraeidae `BOL081`		singleton	
Enchytraeidae `sp. E11 LB-2015`	Enchytraeidae `sp. E6`	Pilbara wide	9.4%
Enchytraeidae `sp. E6`	Enchytraeidae `sp. E11 LB-2015`	Pilbara wide	11.0%
Antarctodrilus `sp. Biologic-OLIG038`	*Antarctodrilus* `sp. Biologic-OLIG038`	77.0 km	2.5%

Note - * indicates linear ranges and intraspecific divergence calculated from 12S sequences.

4 Conclusions

We compared 80 COI and 10 12S potential stygofauna DNA sequences from the Mulga Downs Iron Ore Mine: Subterranean Fauna Survey (Bennelongia, 2024) to Biologic's DNA sequence libraries, and to GenBank. One sequence was identified as potential contamination. Due to inconsistencies in Genetic Identifications assigned to the sequences, Biologic proposed an OTU name for each sequence, which in some instances resulted in a divergence from the reported Bennelongia Genetic ID. The 90 sequences formed 53 distinct OTUs. Twenty-five stygofauna OTUs matched sequence data available in Biologic's sequence libraries and GenBank, and updated distributions were provided.

5 References

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Appendix B: Molecular Analysis - Troglofauna

1 Introduction

JBS&G, on behalf of Hancock Prospecting Pty Ltd provided 145 COI and 31 12S DNA sequences produced from the Mulga Downs Iron Ore Mine: Subterranean Fauna Survey (Bennelongia, 2024). Sixty-five of the COI sequences and twenty-one of the 12S sequences represent potential troglofauna species. Biologic were requested to compare these troglofaunal sequences against available sequence databases to detect any potential matches and update linear range distributions for these taxa. The sequences were provided in fasta format, and their details can be found in Table 3.1.

2 Methods

The methods described below are those applied by Biologic to reanalyse the troglofauna sequence data provided by Bennelongia. All methods and results described in this report are those undertaken by Biologic on Bennelongia's sequence data. We refer to Bennelongia's taxon identifications, and specimen/sequence identifier codes, but not their methods. We cannot critique their methods of name assignment as they are not described in enough detail in Bennelongia (2024).

2.1 DNA Sequence Quality Assurance and BLAST Analysis

For each taxonomic group (for the most part this was taxonomic order), troglofauna sequences for the Bennelongia (2024) report were aligned using the MAFFT (Multiple Alignment using Fast Fourier Transform) algorithm (Katoh *et al.*, 2002). The DNA sequences were then assessed for quality by searching for and removing priming regions, identifying and removing low quality and misaligned nucleotides, testing for translation and the presence of stop codons.

The standard procedure at Biologic is to use fauna-specific genetic distance thresholds to lump sequences into OTUs (operational taxonomic unit - based on COI or 12S cluster similarity). This designation is based on published literature and previous analyses. Where thresholds are not available, our assessment uses average divergence thresholds developed by broad-level studies (e.g. Hebert *et al.*, 2003). In general, ≤8% COI divergence is seen as appropriate to determine OTUs (Hebert *et al.*, 2003), however, higher or lower divergences are sometimes justified depending on the organism studied. Unless otherwise stated, we consider sequences that exhibit COI divergences ≤8% to belong to the same OTU. We consider the OTUs presented here as preliminary molecular identifications, that may change over time as more genetic and morphological data become available. Some sequences matched described species.

The intraspecific divergence thresholds used to designate Genetic Identifications (hereafter, Genetic IDs) assigned by Bennelongia (2024) were initially analysed using the distance matrix generated from the MAFFT alignment. Sequences were then BLASTed against two separate sources: GenBank (a publicly available DNA sequence database) and Biologic's unpublished DNA sequence libraries. Sequences were searched using the "blastn" function, which returns similar matches. Any unusual sequences that did not BLAST to target sequences for that taxon (based on morphological identifications) were assessed by building phylogenies (including external sequences based on taxonomic identification for comparison) and examining tree topology. The same method was applied to any sequences that diverged from the OTU thresholds typically used by Biologic.

Once names had been assigned to troglofauna specimens, the linear ranges of taxa were calculated using the available matches.

3 Results and Discussion

3.1 DNA Sequence Quality and Data quality assessment

Initial analyses of the troglofauna data revealed some inconsistencies with the Genetic ID data presented in Bennelongia (2024), as well as the associated text string of each sequence provided with the fast file. The main issues are outlined below, please see Table 3.1 for further clarification.

- Sequences with the same Genetic ID presented in the sequence name and in Bennelongia (2024) were found to be two distinct OTUs, necessitating a new OTU name to be generated for one of the sequences of that Genetic ID.
- In one case, the sequence text string name in the fast file was not updated with the Genetic ID presented in Bennelongia (2024), instead reflecting the morphological ID of the specimen.

Additionally, after BLAST analysis, a few issues were highlighted that conflict with present Biologic methodologies, please see Table 3.1 for further clarification.

- Some OTU divergence thresholds differed from the typical thresholds used by Biologic, necessitating a new OTU name to be generated to separate sequences with the same Genetic ID proposed by Bennelongia.
- One match occurred between Bennelongia sequences and sequences available for a described species on GenBank (*Nocticola quartermainei*, described in Trotter *et al.* (2017)). The described name was not used in the Genetic ID. Instead, the Genetic ID reflected the in-house morphological identifications of Bennelongia.

Biologic then proceeded with a proposed OTU name for each troglofauna sequence to best reconcile the Genetic ID conflictions. This also enabled intraspecific divergences and linear distances to be calculated.

3.2 BLAST Results

The 65 COI and 21 12S sequences formed 49 distinct troglofauna OTUs. Ten of the troglofauna OTUs matched sequences from Biologic's sequence database or GenBank. New linear ranges and distributions were calculated based on matches and spatial data available to Biologic. These results can be found in Table 3.2. Discussed below are a few considerations resulting from the molecular reanalysis.

The COI sequence for *Cormocephalus pyropygus* had up to 20.2% divergence from the three COI sequences available for the described species published from Edgecombe *et al.* (2019). Although there is high intraspecific divergence (16%) for the three *C. pyropygus* COI sequences (also recognised by the authors of that paper), the Bennelongia sequence also displayed inconclusive grouping within the phylogenetic tree, falling outside all other comparative sequences for *Cormocephalus* including other described species. The 12S sequence for the same specimen matched the 12S sequence for *C. pyropygus* (with 100% similarity) also published from Edgecombe *et al.* (2019). Whilst this allowed for more certaintanty in the Genetic ID, Biologic are unable to explain the differences between the COI sequences, it is possible the COI sequence represents contamination, or the 12S sequence is contamination.

Through extensive sequencing of Lophoproctidae specimens at Biologic, specimens identified as *Lophoturus madecassus* are now considered to be a species complex, highlighted by the amalgamation of several OTUs that all included specimens identified to *L. madecassus*. Biologic recommends that the genetic identification of specimens with this morphological identification should be conservatively kept at Lophoproctidae sp. until the species complex can be resolved. Most of these lineages are still widely dispersed (Biologic, unpublished data).

Phylogenetic analysis revealed that sequences with the Genetic ID *Nocticola* `BLA008` presented as a sister group to sequences representing the described species *Nocticola currani* (sister group meaning, two monophyletic groups that have the same immediate common ancestor but have split into two distinct branches within the phylogenetic tree). *Nocticola quartermainei*, *N. cockingi* and *N. currani* were described and sequenced by Trotter *et al.* (2017). The COI sequences generated from the paper were amplified in a genetic region downstream (referred to here as Yamauchi) of the widely used Folmer region (used for most COI sequences generated by Biologic and sequences generated by Bennelongia in Bennelongia (2024)). As such, both Folmer and Yamauchi regions need to be sequenced to

confidently compare between datasets. Therefore, we cannot confirm if this OTU is *Nocticola currani,* as the wrong gene fragment has been sequenced.

Five 12S sequences with the Genetic ID *Trinemura* sp. WAMZYGS005 were 8.4% divergent from the two 12S specimens available on GenBank for this OTU. From our analyses *Trinemura* OTUs at the 12S region display low divergences (usually not over 4.6%). Additionally, the sequences did not cluster with the comparative sequences in the phylogenetic tree. Based on this, Biologic proposes to use a new *Trinemura* OTU name. This should also be applied to the COI sequence which was given the same Genetic ID although no COI sequences exist for *Trinemura* sp. WAMZYGS005.

Nocticola `OES11`is *Nocticola quartermainei* based on molecular evidence. Additionally, other specimens without molecular sequence data have been called *Nocticola quartermainei* in Bennelongia (2024). It is unclear why two names have been used for one described species.

Table 3.1: Summary of BLAST results for troglofauna COI and 12S sequences. Orange highlighting indicates that the OTU assigned by Biologic differs from that used by Bennelongia. Grey highlighting indicates 12S sequences.

Specimen Number	Unique sequence number	Site	Taxon code in sequence name	Bennelongia Genetic ID in Bennelongia (2024) Appendix 3	Proposed OTU name	Target gene region	Match BLAST database	OTU Match (Biologic/GenBank Name)	comment
Palpigradi									
678086	6333	MD0401	Palpigradi BPAL053	Palpigradi `BPAL053`	Palpigradi `BPAL053`	COI	No		
687975	6332	MD2038	Palpigradi MH1	Palpigradi 'MH1'	Palpigradi 'Phoenix-MH1'	COI	No		We routinely add the name of the company that assigned a molecular OTU, to avoid accidental nomenclatural homonyms in the future.
Pseudoscorpiones									
677628	6335	MD4757	*Linnaeolpium* BPS502	*Linnaeolpium* `BPS502`	*Linnaeolpium* `BPS502`	COI	No		Genetic ID is based on morphological ID. There are no *Linnaeolpium* sequences available for comparison. However, there should be strong confidence in the ability to morphologically identify this genus.
759399	9010	MDRC2276	Olpiidae BPS565	Olpiidae `BPS565`	Olpiidae `BPS565`	COI	No		
628994	8352	MD0884	*Tyrannochthonius* B35	*Tyrannochthonius* sp. B35	*Tyrannochthonius* sp. B35	COI	No		
628894	8350	MD3661	*Tyrannochthonius* B35	*Tyrannochthonius* sp. B35	*Tyrannochthonius* sp. B35	COI	No		
628994	8353	MD0884	*Tyrannochthonius* B35	Not specified for 12S	*Tyrannochthonius* sp. B35	12S	No		Sequence name reflects ID from the COI sequence for the same specimen.

Specimen Number	Unique sequence number	Site	Taxon code in sequence name	Bennelongia Genetic ID in Bennelongia (2024) Appendix 3	Proposed OTU name	Target gene region	Match BLAST database	OTU Match (Biologic/GenBank Name)	comment
628894	8351	MD3661	*Tyrannochthonius* B35	Not specified for 12S	*Tyrannochthonius* sp. B35	12S	No		As above
705392	6334	MD4821	*Tyrannochthonius* BPS229	*Tyrannochthonius* `BPS229`	*Tyrannochthonius* `BPS229`	COI	No		
678550	8348	MD1556	*Tyrannochthonius* BPS229	*Tyrannochthonius* `BPS229`	*Tyrannochthonius* `BPS229`	COI	No		
678550	8349	MD1556	*Tyrannochthonius* BPS229	Not specified for 12S	*Tyrannochthonius* BPS229	12S	No		Sequence name reflects ID from the COI sequence for the same specimen.
Schizomida									
679097	9215	MD6444	*Draculoides* SCH084-DNA	*Draculoides* `SCH084-DNA`	*Draculoides* `sp. WAM-SCH084`	COI	Yes	*Draculoides* `sp. WAM-SCH084`	
732979	8354	MD5359	*Draculoides* BSC118	*Draculoides* `BSC118`	*Draculoides* `BSC118`	COI	No		
746956	8388	MD5821	*Draculoides* BSC118	*Draculoides* `BSC118`	*Draculoides* `BSC118`	COI	No		
741181	9216	MD5829	*Draculoides* BSC118	*Draculoides* `BSC118`	*Draculoides* `BSC118`	COI	No		
Chilopoda									
629030	8358	MD0974	*Cryptops* B41	*Cryptops* sp. B41	*Cryptops* sp. B41	COI	No		
628981	8360	MD0298	*Cryptops* B42	*Cryptops* sp. B42	*Cryptops* sp. B42	COI	No		
688121	6339	MD4821	*Cryptops* MH1 DNA05	*Cryptops* `MH1` (=DNA05)	*Cryptops* `Phoenix-MH1`	COI	No		
688023	8356	MD1458	*Cormocephalus pyropygus*	*Cormocephalus pyropygus*	*Cormocephalus pyropygus*	COI	No		OTU designated from 12S match from same specimen. 20% divergent from available *Cormocephalus pyropygus* COI sequences.
688023	8357	MD1458	*Cormocephalus pyropygus*	*Cormocephalus pyropygus*	*Cormocephalus pyropygus*	12S	Yes	Cormocephalus pyropygus	GenBank match
Diplopoda									
679365	8344	MD6089	Haplodesmidae Helix-DIHAP001	Haplodesmidae 'Helix-DIHAP001'	Haplodesmidae `Helix-DIHAP001`	COI	Yes	Haplodesmidae `sp. Helix-DIHAP001`	

Specimen Number	Unique sequence number	Site	Taxon code in sequence name	Bennelongia Genetic ID in Bennelongia (2024) Appendix 3	Proposed OTU name	Target gene region	Match BLAST database	OTU Match (Biologic/GenBank Name)	comment
679365	8345	MD6089	Haplodesmidae Helix-DIHAP001	Not specified for 12S	Haplodesmidae `Helix-DIHAP001`	12S	No		Sequence name reflects ID from the COI sequence for the same specimen.
738424	8346	MD5834	*Lophoturus madecassus*	*Lophoturus madecassus*	*Lophoturus madecassus*	COI	Yes	Lophoproctidae `sp. Biologic-POLX002` Polyxenidae sp. DNA01 Polyxenida sp. H-DPO008	Matched Biologic OTU and GenBank sequences directly submitted from WAM and Helix. We have retained the described species name, as we cannot confirm it is not that species as no type material of that species has been sequenced.
738424	8347	MD5834	*Lophoturus madecassus*	*Lophoturus madecassus*	*Lophoturus madecassus*	12S	Yes	*Lophoturus madecassus*	Matched sequences from a Bungaroo Barcode Reference Library submission on GenBank and Polyxenidae sequences from Helix and WAM.
Diplura									
684387	6340	MD3980	Campodeidae BDP216	Campodeidae `BDP216`	Campodeidae `BDP216`	COI	No		
739257	8313	MD7642	Japygidae BDP213	Japygidae `BDP213`	Japygidae `BDP213`	COI	No		Our analysis determined Japygidae `BDP213` as two distinct taxonomic units (16% divergence between the two sequences). Therefore, one sequence requires a new OTU code. See below

Specimen Number	Unique sequence number	Site	Taxon code in sequence name	Bennelongia Genetic ID in Bennelongia (2024) Appendix 3	Proposed OTU name	Target gene region	Match BLAST database	OTU Match (Biologic/GenBank Name)	comment
759272	9005	MD9401	Japygidae BDP213	Japygidae `BDP213`	Japygidae New OTU 1	COI	No		
739257	8314	MD7642	Japygidae BDP213	Not specified for 12S	Japygidae `BDP213`	12S	No		Sequence name reflects ID from the COI sequence for the same specimen. Closely related to other Japygidae sequence on GenBank, but different species
739104	8315	MDPZ7476	Japygidae BDP214	Japygidae `BDP214`	Japygidae `BDP214`	COI	No		Our analysis determined Japygidae `BDP214` as two distinct taxonomic units (16.4% divergence between the two sequences). Therefore, one sequence requires a new OTU code. See below
759349	9006	MDWB0065	Japygidae BDP214	Japygidae `BDP214`	Japygidae New OTU 2	COI	No		
739104	8316	MDPZ7476	Japygidae BDP214	Not specified for 12S	Japygidae `BDP214`	12S	No		Sequence name reflects ID from the COI sequence for the same specimen. Closely related to other Japygidae sequence on GenBank, but different species
688050	6342	MD2040	Parajapygidae MH1	Parajapygidae 'MH1'	Parajapygidae 'Phoenix-MH1'	COI	No		
688017	6341	MD3207	*Parajapyx* BDP217	*Parajapyx* `BDP217`	*Parajapyx* `BDP217`	COI	No		

Specimen Number	Unique sequence number	Site	Taxon code in sequence name	Bennelongia Genetic ID in Bennelongia (2024) Appendix 3	Proposed OTU name	Target gene region	Match BLAST database	OTU Match (Biologic/GenBank Name)	comment
678663	6343	MD2936	Projapygidae BDP182	Projapygidae `BDP182`	Projapygidae `BDP182`	COI	No		
739194	8319	MDWB0017	Projapygidae BDP215	Projapygidae `BDP215`	Projapygidae `BDP215`	COI	No		
Blattodea									
733061	8403	MD7301	Blattidae	-	Blattidae `sp. Biologic-BLAT018`	COI	Yes	Blattidae `sp. Biologic-BLAT018` Blattidae sp. B06	No Genetic ID given, from Bennelongia (2024) Appendix 3: suggest surface species, removing from troglofauna list. Sequence matched to a Biologic OTU (also known as a terrestrial species) and a direct submission to GenBank from Helix. Propose to use Biologic OTU code.
678678	9219	MD0398	*Nocticola* BLA008	*Nocticola* `BLA008`	*Nocticola* `BLA008`	COI	No		
679304	9220	MD4554	*Nocticola* BLA008	*Nocticola* `BLA008`	*Nocticola* `BLA008`	COI	No		
759220	9221	MD9401	*Nocticola* BLA008	*Nocticola* `BLA008`	*Nocticola* `BLA008`	COI	No		
679164	8420	MD0398	*Nocticola* BLA008	*Nocticola* `BLA008`	*Nocticola* `BLA008`	COI	No		
628880	8422	MD0882	*Nocticola* BLA008	*Nocticola* `BLA008`	*Nocticola* `BLA008`	COI	No		

Specimen Number	Unique sequence number	Site	Taxon code in sequence name	Bennelongia Genetic ID in Bennelongia (2024) Appendix 3	Proposed OTU name	Target gene region	Match BLAST database	OTU Match (Biologic/GenBank Name)	comment
679164	8421	MD0398	*Nocticola* BLA008	Not specified for 12S	*Nocticola* `BLA008`	12S	No		Sequence name reflects ID from the COI sequence for the same specimen. Distantly related to other *Nocticola* 12S seq on GenBank.
628880	8423	MD0882	*Nocticola* BLA008	Not specified for 12S	*Nocticola* `BLA008`	12S	No		As above
741182	8424	MD7042	*Nocticola* OES11	*Nocticola* `OES11`	*Nocticola quartermainei*	COI	Yes	*Nocticola quartermainei*	Matches the described species sequences from GenBank, we propose using the described species name.
747062	8466	MD5821	*Nocticola* OES11	Nocticola `OES11`	*Nocticola quartermainei*	COI	Yes	*Nocticola quartermainei*	As above
747062	8468	MD5821	*Nocticola* OES11	Not specified for 12S	*Nocticola quartermainei*	12S	No		Sequence name reflects ID from the COI sequence for the same specimen. Distantly related to other *Nocticola* 12S sequences on GenBank.
Coleoptera									
679293	8425	MD3809	Coleoptera BCO207	Coleoptera `BCO207`	Coleoptera `BCO207`	COI	No		
679293	8426	MD3809	Coleoptera BCO207	Coleoptera `BCO207`	Coleoptera `BCO207`	12S	No		
705331	8427	MD2970	*Holoparamecus* BCO208	*Holoparamecus* `BCO208`	*Holoparamecus* `BCO208`	COI	No		Genus designated using 12S sequence for this specimen
705331	8428	MD2970	*Holoparamecus* BCO208	*Holoparamecus* `BCO208`	*Holoparamecus* `BCO208`	12S	No		Closely related to another *Holoparamecus* sequence on GenBank, but different species
Hemiptera									

Specimen Number	Unique sequence number	Site	Taxon code in sequence name	Bennelongia Genetic ID in Bennelongia (2024) Appendix 3	Proposed OTU name	Target gene region	Match BLAST database	OTU Match (Biologic/GenBank Name)	comment
628964	8443	MD3241	Meenoplidae WAM-PHAC001/H-HEM003	Meenoplidae sp. WAM-PHAC001/H-HEM003	*Phaconeura* `sp. WAM-PHAC001`	COI	Yes	*Phaconeura* `sp. WAM-PHAC001`	
678100	8442	MD4754	Meenoplidae WAM-PHAC001/H-HEM003	Meenoplidae sp. WAM-PHAC001/H-HEM003	*Phaconeura* `sp. WAM-PHAC001`	COI	Yes	*Phaconeura* `sp. WAM-PHAC001`	
677621	6344	MD6225	*Phaconeura* BHE035	*Phaconeura* `BHE035`	*Phaconeura* `BHE035`	COI	Yes	*Phaconeura* `BHE035`	Matched direct submission from Bennelongia on GenBank
703243	8439	MD3805	*Phaconeura* BHE036	*Phaconeura* `BHE036`	*Phaconeura* `BHE036`	COI	Yes	Meenoplidae `sp. Biologic-HEMI010`	
678677	8441	MD0398	*Phaconeura* WAM PHAC002	*Phaconeura* sp. WAM PHAC002	*Phaconeura* `sp. WAM-PHAC002`	COI	Yes	*Phaconeura* `sp. WAM-PHAC002`	
678661	8440	MD2936	*Phaconeura* WAM PHAC002	*Phaconeura* sp. WAM PHAC002	*Phaconeura* `sp. WAM-PHAC002`	COI	Yes	*Phaconeura* `sp. WAM-PHAC002`	
Zygentoma									
677604	8364	MD0305	Atelurinae MH1 B20	Atelurinae `MH1` (=B20)	Atelurinae `Phoenix-MH1`	COI	No		
687890	8365	MD0307	Atelurinae MH1 B20	Atelurinae `MH1` (=B20)	Atelurinae `Phoenix-MH1`	COI	No		
688015	8389	MD3207	Atelurinae MH1 B20	Atelurinae `MH1` (=B20)	Atelurinae `Phoenix-MH1`	COI	No		
688019	6345	MD2059	*Trinemura* B28	*Trinemura* sp. B28	*Trinemura* sp. B28	COI	No		
677597	8366	MD2926	*Trinemura* B28	*Trinemura* sp. B28	*Trinemura* sp. B28	COI	No		
628982	8430	MD0790	*Trinemura* BZY102	*Trinemura* `BZY102`	*Trinemura* `BZY102`	COI	No		With 9.7% intraspecific divergence, our proposal would be to split this OTU, which is consistent with previous Biologic Zygentoma OTU designations. See below

Specimen Number	Unique sequence number	Site	Taxon code in sequence name	Bennelongia Genetic ID in Bennelongia (2024) Appendix 3	Proposed OTU name	Target gene region	Match BLAST database	OTU Match (Biologic/GenBank Name)	comment
629097	8429	MD2453	*Trinemura* BZY102	*Trinemura* `BZY102`	*Trinemura* New OTU 1	COI	No		
628982	8431	MD0790	*Trinemura* BZY102	Not specified for 12S	*Trinemura* `BZY102`	12S	No		Sequence name reflects ID from the COI sequence for the same specimen.
758761	9028	MDWB0017	*Trinemura* BZY114	*Trinemura* `BZY114	*Trinemura* `BZY114	COI	No		
759171	9029	MDWB0017	*Trinemura* BZY114	*Trinemura* `BZY114	*Trinemura* `BZY114	COI	No		
705407	8448	MD3851	*Trinemura* MH1	*Trinemura* `MH1`	*Trinemura* `Phoenix-MH1`	COI	No		
745469	8367	MDPZ7474	*Trinemura* MH1	*Trinemura* `MH1`	*Trinemura* `Phoenix-MH1`	COI	No		
705407	8449	MD3851	*Trinemura* MH1	*Trinemura* `MH1`	*Trinemura* `Phoenix-MH1`	12S	No		Match reported within Bennelongia Database in Appendix.
688008	8369	MD1631	*Trinemura* WAM ZYGS005	*Trinemura* sp. WAM ZYGS005	*Trinemura* New OTU 2	COI	No		OTU name was given based on 12S sequence for this specimen, however our analysis suggests the need for a different designation.
688008	6369	MD1631	*Trinemura* WAM ZYGS005	*Trinemura* WAM ZYGS005	*Trinemura* New OTU 2	12S	No		These sequences were not supported in the phylogenetic tree as belonging to *Trinemura* WAM ZYGS005 and with a divergence of up to 8.4%, this is too high for a 12S match. A new OTU code is required.
677590	8444	MD2309	*Trinemura* WAM ZYGS005	*Trinemura* WAM ZYGS005	*Trinemura* New OTU 2	12S	No		As above

Specimen Number	Unique sequence number	Site	Taxon code in sequence name	Bennelongia Genetic ID in Bennelongia (2024) Appendix 3	Proposed OTU name	Target gene region	Match BLAST database	OTU Match (Biologic/GenBank Name)	comment
679300	8446	MD3812	*Trinemura* WAM ZYGS005	*Trinemura* WAM ZYGS005	*Trinemura* New OTU 2	12S	No		As above
677612	8445	MD3874	*Trinemura* WAM ZYGS005	*Trinemura* WAM ZYGS005	*Trinemura* New OTU 2	12S	No		As above
679049	8447	MD3874	*Trinemura* WAM ZYGS005	*Trinemura* WAM ZYGS005	*Trinemura* New OTU 2	12S	No		As above
Isopoda									
705411	6346	MD3028	*Buddelundia* B57	*Buddelundia* sp. B57	*Buddelundia* sp. B57	COI	No		
705320	8333	MD4646	*Troglarmadillo* B54	*Troglarmadillo* sp. B54	*Troglarmadillo* sp. B54	COI	No		
705320	8334	MD4646	*Troglarmadillo* B54	Not specified for 12S	*Troglarmadillo* B54	12S	No		Sequence name reflects ID from the COI sequence for the same specimen.
705351	6347	MD0350	*Troglarmadillo* BIS392	*Troglarmadillo* `BIS392`	*Troglarmadillo* `BIS392`	COI	No		
761174	9031	MDRC1351	*Troglarmadillo* BIS562	*Troglarmadillo* `BIS562`	*Troglarmadillo* `BIS562`	COI	No		
Pauropoda									
688123	6336	MD4821	Pauropodidae BPU089	Pauropodidae `BPU089`	Pauropodidae `BPU089`	COI	No		

Specimen Number	Unique sequence number	Site	Taxon code in sequence name	Bennelongia Genetic ID in Bennelongia (2024) Appendix 3	Proposed OTU name	Target gene region	Match BLAST database	OTU Match (Biologic/GenBank Name)	comment
688103	6337	MD1545	Pauropodidae BPU090	Pauropodidae `BPU090`	Pauropodidae `BPU090`	COI	No		Our analysis determined Pauropodidae `BPU090` as two distinct taxonomic units (the two sequences are approximately 30% divergent from one another). Therefore, one sequence requires a new OTU code. See below
757583	9018	MDPZ7478	Pauropodidae BPU090	Pauropodidae `BPU090`	Pauropodidae New OTU 1	COI	No		
688227	6338	md kar2	Pauropodidae BPU098	Pauropodidae 'BPU098'	Pauropodidae 'BPU098'	COI	No		
Symphyla									
739271	8374	MD7051	*Hanseniella* BSYM117	*Hanseniella* sp. `BSYM117`	*Hanseniella* sp. `BSYM117`	COI	No		
758037	9222	MDRC2367	*Symphylella* B20	*Symphylella* `BSYM137`	*Symphylella* `BSYM137`	COI	No		Sequence name was left at morphological ID and not updated to Genetic ID. This code does not appear in Bennelongia (2024) tables, only in the appendix.

Table 3.2: Summary of troglofauna OTU matches, linear distances and intraspecific divergences based on COI sequences.

Proposed OTU name	OTU Match (Biologic/ GenBank Name)	Linear Range	Intraspecific Divergence
Palpigradi			
Palpigradi `BPAL053`		singleton	
Palpigradi 'Phoenix-MH1'		singleton	
Pseudoscorpiones			
Linnaeolpium `BPS502`		singleton	
Olpiidae `BPS565`		singleton	
Tyrannochthonius `BPS229`		10.9 km	0.5%
Tyrannochthonius sp. B35		11 km	2.4%
Schizomida			
Draculoides `BSC118`		7.6 km	2.3%
Draculoides `sp. WAM-SCH084`	*Draculoides* `sp. WAM-SCH084`	1.2 km	0.2%
Chilopoda			
Cryptops `Phoenix-MH1`		singleton	
Cryptops sp. B41		singleton	
Cryptops sp. B42		singleton	
**Cormocephalus pyropygus*	*Cormocephalus pyropygus*	13.6 km	0%
Diplopoda			
Haplodesmidae `Helix-DIHAP001`	Haplodesmidae `sp. Helix-DIHAP001`	Pilbara wide	0.5%
Lophoturus madecassus	Lophoproctidae `sp. Biologic-POLX002` Polyxenidae sp. DNA01 Polyxenida sp. H-DPO008	Pilbara wide	9.9%
Diplura			
Campodeidae `BDP216`		singleton	
Japygidae `BDP213`		singleton	
Japygidae `BDP214`		singleton	
Japygidae New OTU 1		singleton	
Japygidae New OTU 2		singleton	
Parajapygidae 'Phoenix-MH1'		singleton	
Parajapyx `BDP217`		singleton	
Projapygidae `BDP182`		singleton	
Projapygidae `BDP215`		singleton	
Blattodea			
Blattidae `sp. Biologic-BLAT018`	Blattidae `sp. Biologic-BLAT018` Blattidae sp. B06	233.5	5.6%
Nocticola `BLA008`		15.7 km	3.6%
Nocticola quartermainei	*Nocticola quartermainei*	Pilbara wide	10.4%
Coleoptera			
Coleoptera `BCO207`		singleton	
Holoparamecus `BCO208`		singleton	
Hemiptera			
Phaconeura `BHE035`	*Phaconeura* `BHE035`	171.5 km	0.2%

Proposed OTU name	OTU Match (Biologic/ GenBank Name)	Linear Range	Intraspecific Divergence
Phaconeura `BHE036`	Meenoplidae `sp. Biologic-HEMI010`	138.1 km	2.5%
Phaconeura `sp. WAM-PHAC001`	*Phaconeura* `sp. WAM-PHAC001`	Pilbara wide	4.0%
Phaconeura `sp. WAM-PHAC002`	*Phaconeura* `sp. WAM-PHAC002`	161.4 km	2.2%
Zygentoma			
Atelurinae `Phoenix-MH1`		4.9 km	2.9%
Trinemura `BZY102`		singleton	
Trinemura `BZY114		same site	0.8%
Trinemura `Phoenix-MH1`		14.7 km	5.3%
Trinemura New OTU 1		singleton	
**Trinemura* New OTU 2		5.2 km	5.3%
Trinemura sp. B28		2.4 km	1.4%
Isopoda			
Buddelundia sp. B57		singleton	
Troglarmadillo `BIS392`		singleton	
Troglarmadillo `BIS562`		singleton	
Troglarmadillo sp. B54		singleton	
Pauropoda			
Pauropodidae `BPU089`		singleton	
Pauropodidae `BPU090`		singleton	
Pauropodidae 'BPU098'		singleton	
Pauropodidae New OTU 1		singleton	
Symphyla			
Hanseniella sp. `BSYM117`		singleton	
Symphylella `BSYM137`		singleton	

Note - * indicates linear ranges and intraspecific divergence calculated from 12S sequences.

4 Conclusions

We compared 65 COI and 21 12S potential troglofauna DNA sequences from the Mulga Downs Iron Ore Mine: Subterranean Fauna Survey (Bennelongia, 2024) to Biologic's DNA sequence libraries, and to GenBank. Due to inconsistencies in Genetic Identifications assigned to the sequences, Biologic proposed an OTU name for each sequence, which in some instances resulted in a difference from the reported Bennelongia Genetic ID. The 86 sequences formed 49 distinct OTUs. Ten troglofauna OTUs matched sequence data available in Biologic's sequence libraries and GenBank, and updated distributions were provided.

5 References

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Appendix C: Revised dataset

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
740169	671043.226	7542130.75	Maddina Well	Net	22/07/2022	Nematoda `sp. indet.`	6
688284	680635.1968	7544785.708	md_kar2	Bou Rouche	20/02/2020	Nematoda `sp. indet.`	9
732942	703435.7178	7531053.255	Garden Bore	Net	6/03/2022	Nematoda `sp. indet.`	30
688211	643694.1835	7553801.811	md_hyp4	Bou Rouche	21/02/2020	Nematoda `sp. indet.`	15
678039	667223.6316	7550952.143	MD6362	Scrape	8/08/2019	Nematoda `sp. indet.`	10
688224	680635.1968	7544785.708	md_kar2	Karaman-Chappuis	20/02/2020	Nematoda `sp. indet.`	15
561565	642392.6072	7557488.457	WF0144	Net	23/10/2008	Nematoda `sp. indet.`	1
562843	641601.8257	7558368.065	WF0152	Trap 1	2/12/2008	Nematoda `sp. indet.`	20
562851	643184.849	7556099.478	WF0123	Trap 1	2/12/2008	Nematoda `sp. indet.`	10
562852	639995.7408	7558793.208	WF0160	Trap 1	2/12/2008	Nematoda `sp. indet.`	20
562853	642388.7396	7557403.238	WF0143	Trap 1	2/12/2008	Nematoda `sp. indet.`	1
562854	638402.3689	7556802.213	WF0172	Trap 1	2/12/2008	Nematoda `sp. indet.`	1
562858	643999.3856	7556595.811	WF0127	Trap 1	2/12/2008	Nematoda `sp. indet.`	1
562862	644784.2809	7556109.179	WF0139	Trap 1	2/12/2008	Nematoda `sp. indet.`	1
562865	640009.7355	7558394.498	WF0158	Trap 1	2/12/2008	Nematoda `sp. indet.`	2
562868	643188.9	7557110.313	WF0121	Trap 1	2/12/2008	Nematoda `sp. indet.`	2
562875	644790.5526	7554998.592	WF0134	Trap 1	2/12/2008	Nematoda `sp. indet.`	1
562883	634403.8878	7558602.834	WF0189	Trap 1	2/12/2008	Nematoda `sp. indet.`	5
562896	645586.0182	7554995.667	WF0133	Trap 1	2/12/2008	Nematoda `sp. indet.`	8
562909	641609.742	7558101.161	WF0149	Trap 1	2/12/2008	Nematoda `sp. indet.`	2
566158	636007.6473	7558494.939	WF0181	Scrape	1/10/2008	Nematoda `sp. indet.`	6
626045	639197.4224	7558609.858	WF0167	Net	19/06/2014	Nematoda `sp. indet.`	1
626100	635199.6893	7558501.905	WF0186	Net	19/06/2014	Nematoda `sp. indet.`	1
626262	639197.4224	7558609.858	WF0167	Net	23/07/2014	Nematoda `sp. indet.`	10
626319	635199.6893	7558501.905	WF0186	Net	23/07/2014	Nematoda `sp. indet.`	1
628833	651322.1847	7554724.42	Hesters Bore	Net	9/12/2014	Nematoda `sp. indet.`	1
628864	658859.3142	7552770.924	MD2946	Net	11/12/2014	Nematoda `sp. indet.`	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
628882	657348.6728	7553568.988	MD0882	Scrape	14/12/2014	Nematoda `sp. indet.`	4
628953	657013.6347	7553699.679	MD1709	Scrape	14/12/2014	Nematoda `sp. indet.`	2
628963	668683.8095	7550417.159	MD3241	Scrape	12/12/2014	Nematoda `sp. indet.`	4
629004	668353.3223	7549421.9	MD3264	Net	10/12/2014	Nematoda `sp. indet.`	1
629035	658538.9134	7553837.15	MD0974	Net	11/12/2014	Nematoda `sp. indet.`	1
629053	658495.855	7554477.59	MD0954	Net	11/12/2014	Nematoda `sp. indet.`	2
629068	662626.3578	7548922.106	MD4407	Scrape	13/12/2014	Nematoda `sp. indet.`	2
629069	659075.0563	7552375.653	MD3477	Scrape	13/12/2014	Nematoda `sp. indet.`	1
629118	661793.1154	7553237.009	MD0247	Net	11/12/2014	Nematoda `sp. indet.`	100
678033	656627.0162	7542697.248	Browns Bore	Net	10/08/2019	Nematoda `sp. indet.`	1
678095	665939.7321	7550508.464	MD3802	Scrape	8/08/2019	Nematoda `sp. indet.`	3
678098	662152.5579	7549983.383	MD3937	Scrape	9/08/2019	Nematoda `sp. indet.`	2
678101	666714.5719	7549356.377	MD4754	Scrape	9/08/2019	Nematoda `sp. indet.`	1
678102	660645.7063	7553930.886	MD4115	Scrape	8/08/2019	Nematoda `sp. indet.`	1
678522	646718.5968	7551983.456	Old Station Bore	Net	10/08/2019	Nematoda `sp. indet.`	1
678533	671043.226	7542130.75	Maddina Well	Net	12/08/2019	Nematoda `sp. indet.`	2
678567	645555.6027	7554385.875	Two Mile Well	Net	13/08/2019	Nematoda `sp. indet.`	1
678674	657460.5192	7552171.597	MD3812	Scrape	7/08/2019	Nematoda `sp. indet.`	1
679044	665592.0556	7550017.171	MD3162	Trap 1	3/10/2019	Nematoda `sp. indet.`	1
679050	659366.5914	7549492.65	MD3874	Trap 1	2/10/2019	Nematoda `sp. indet.`	1
687912	656627.0162	7542697.248	Browns Bore	Net	2/02/2020	Nematoda `sp. indet.`	4
687985	671227.652	7549937.775	MD0405	Scrape	30/01/2020	Nematoda `sp. indet.`	2
687995	669147.8331	7551164.038	MD3028	Scrape	30/01/2020	Nematoda `sp. indet.`	1
688002	671125.6486	7529653.171	Company	Net	3/02/2020	Nematoda `sp. indet.`	1
688045	666974.6448	7546854.371	No. 3 Well	Net	3/02/2020	Nematoda `sp. indet.`	1
688058	656695.385	7548183.119	MDPZ7457C	Net	2/02/2020	Nematoda `sp. indet.`	2
688063	671043.226	7542130.75	Maddina Well	Net	3/02/2020	Nematoda `sp. indet.`	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
688271	645490.0807	7545111.32	Unknown Bore 9	Net	21/02/2020	Nematoda `sp. indet.`	2
688275	635198.9684	7558898.275	WF0188	Net	22/02/2020	Nematoda `sp. indet.`	4
732997	643996.2516	7549397.889	MD7061	Scrape	4/03/2022	Nematoda `sp. indet.`	9
733051	643189.1098	7548205.075	MD7063	Scrape	4/03/2022	Nematoda `sp. indet.`	1
739083	656011.3998	7542996.838	MDPZ7461	Net	21/07/2022	Nematoda `sp. indet.`	1
739100	656604.5804	7542721.833	Browns Well	Net	21/07/2022	Nematoda `sp. indet.`	1
739191	643592.8364	7552197.292	MD5838	Net	22/07/2022	Nematoda `sp. indet.`	1
739207	651404.4086	7545085.057	Calamina Well	Net	21/07/2022	Nematoda `sp. indet.`	1
758642	611837.9167	7557982.383	Rods Bore	Net	9/12/2023	Nematoda `sp. indet.`	2
758779	614224.4971	7559826.223	Mrd Bore	Net	9/12/2023	Nematoda `sp. indet.`	4
759544	695608.2599	7552970.399	UNK4	Net	20/01/2024	Nematoda `sp. indet.`	14
732888	643996.1311	7548599.591	MD7062	Scrape	4/03/2022	Nematoda sp. 01 (rat-tailed gp) (PSS)	1
733452	652792.7394	7544598.75	MD7046	Scrape	4/03/2022	Nematoda sp. 01 (rat-tailed gp) (PSS)	1
745156	643592.8364	7552197.292	MD5838	Net	23/11/2022	Nematoda sp. 01 (rat-tailed gp) (PSS)	1
759348	615397.5968	7558529.022	MDWB0023	Net	18/01/2024	Nematoda sp. 01 (rat-tailed gp) (PSS)	1
688155	656637.5113	7546110.881	MDCMB09	Net	2/02/2020	Platyhelminthes `sp. indet.`	1
758707	703154.9205	7534328.66	Walshes Well	Net	11/12/2023	Aeolosoma `sp. indet.`	1
706865	680635.1968	7544785.708	md_kar2	Karaman-Chappuis	20/02/2020	Aeolosoma `sp. indet.`	1
758769	689388.6574	7536684.012	Tuckanoona Well	Net	11/12/2023	Aeolosoma `sp. indet.`	1
703247	660374.5534	7557893.3	md_hyp1	Karaman-Chappuis	21/02/2020	Aeolosoma `sp. indet.`	1
629031	658538.9134	7553837.15	MD0974	Net	11/12/2014	Aeolosoma `sp. indet.`	50
739112	656809.1498	7550996.666	Murrays Bore	Net	21/07/2022	Aeolosoma `sp. indet.`	1
758981	626249.7456	7559399.992	MD5461	Net	12/12/2023	Aeolosoma `sp. indet.`	6
759536	626249.7456	7559399.992	MD5461	Net	19/01/2024	Aeolosoma `sp. indet.`	3
759659	689388.6574	7536684.012	Tuckanoona Well	Net	20/01/2024	Aeolosoma `sp. indet.`	3
626073	635199.6893	7558501.905	WF0186	Net	19/06/2014	Aeolosoma sp. 1 (PSS)	1
597810	670189.3641	7548465.248	MD0430	Net	18/01/2012	Aeolosomatidae `sp. indet.`	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
628993	668378.41	7551469.085	MD2889	Scrape	12/12/2014	Gnaphosidae sp. B03	1
668525	662888.5085	7552709.675	MD0253	Scrape	21/10/2011	Anapistula `MH1`	1
668709	670189.3641	7548465.248	MD0430	Scrape	21/10/2011	Anapistula `MH1`	2
668752	656243.8096	7553374.075	MD0467	Scrape	21/10/2011	Anapistula `MH1`	1
759538	695608.2599	7552970.399	UNK4	Net	20/01/2024	Trochanteriidae `sp. indet.'	1
629658	652901.376	7553193.3	MD0635	Trap 1	10/02/2015	Trochanteriidae sp. B01	1
678086	672211.3688	7549243.757	MD0401	Scrape	7/08/2019	Palpigradi `BPAL053`	1
668667	672560.2559	7549732.69	MD0398	Net	21/10/2011	Palpigradi `MH2`	1
668537	662888.5085	7552709.675	MD0253	Scrape	18/01/2012	Palpigradi `sp. indet.`	1
668681	671118.6639	7549781.722	MD0408	Scrape	21/10/2011	Palpigradi `sp. indet.`	1
668744	656121.2041	7552872.598	MD0462	Scrape	21/10/2011	Palpigradi `sp. indet.`	1
668851	655370.3825	7553522.262	MD0495	Scrape	21/10/2011	Palpigradi `sp. indet.`	1
668913	656255.8325	7553752.64	MD0525	Scrape	21/10/2011	Palpigradi `sp. indet.`	1
669058	655581.6454	7553498.024	MDH0143	Scrape	21/10/2011	Palpigradi `sp. indet.`	1
687975	656470.2804	7553530.158	MD2038	Scrape	31/01/2020	Palpigradi 'Phoenix-MH1'	1
668757	656243.8096	7553374.075	MD0467	Scrape	18/01/2012	Palpigradi 'Phoenix-MH1'	1
628888	655380.4039	7553388.185	MD1284	Scrape	14/12/2014	Palpigradi sp. B18	1
628995	659398.7833	7553674.529	MD0716	Scrape	14/12/2014	Palpigradi sp. B18	1
688016	668605.0651	7550481.124	MD3207	Scrape	30/01/2020	Austrochthonius `BPS257`	1
678550	657289.1342	7552878.648	MD1556	Scrape	7/08/2019	Tyrannochthonius `BPS229`	2
705392	667363.8815	7548533.352	MD4821	Trap 1	6/05/2020	Tyrannochthonius `BPS229`	1
668515	661793.1154	7553237.009	MD0247	Net	21/10/2011	Tyrannochthonius `MH1`	1
668530	662888.5085	7552709.675	MD0253	Trap 1	10/12/2011	Tyrannochthonius `MH1`	1
668547	666956.3326	7551523.048	MD0262	Net	21/10/2011	Tyrannochthonius `MH1`	1
668682	671118.6639	7549781.722	MD0408	Trap 1	10/12/2011	Tyrannochthonius `MH1`	1
739195	685795.0582	7555420.788	MDWB0017	Net	25/07/2022	Tyrannochthonius `sp. indet.	1
628994	657124.6555	7553246.803	MD0884	Scrape	14/12/2014	Tyrannochthonius sp. B35	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
628894	667919.2321	7551075.371	MD3661	Scrape	12/12/2014	Tyrannochthonius sp. B35	1
670071	662888.5085	7552709.675	MD0253	Scrape	18/01/2012	Indohya ?`PSE002`	1
668534	662888.5085	7552709.675	MD0253	Net	18/01/2012	Indohya ?`PSE002`	1
670070	662888.5085	7552709.675	MD0253	Net	21/10/2011	Indohya ?`PSE002`	1
629490	667277.7382	7552252.671	MD3771	Trap 1	11/02/2015	Indohya `sp. indet.	1
677628	666542.7746	7549109.056	MD4757	Scrape	9/08/2019	Linnaeolpium `BPS502`	1
628843	659375.42	7549853.535	MD2971	Scrape	13/12/2014	Linnaeolpium sp. B03	1
759399	660562.6215	7553474.427	MDRC2276	Trap 1	21/01/2024	Olpiidae `BPS565`	1
628986	668705.139	7553071.202	MD3683	Scrape	12/12/2014	Draculoides `BSC028`	3
629627	663573.374	7552988.233	MD2671	Trap 1	10/02/2015	Draculoides `BSC029`	1
732979	648008.3982	7546996.553	MD5359	Scrape	5/03/2022	Draculoides `BSC118`	1
741181	651994.5981	7545017.324	MD5829	Trap 1	20/09/2022	Draculoides `BSC118`	2
746956	655601.9899	7546198.725	MD5821	Trap 1	20/03/2023	Draculoides `BSC118`	1
668919	656255.8325	7553752.64	MD0525	Net	18/01/2012	Draculoides `MH2`	1
628976	663573.374	7552988.233	MD2671	Scrape	13/12/2014	Draculoides `sp. indet.`	1
629057	665021.1454	7551638.763	MD3094	Net	11/12/2014	Draculoides `sp. indet.`	1
668683	671118.6639	7549781.722	MD0408	Trap 1	10/12/2011	Draculoides `sp. WAM-SCH084`	1
679097	670007.2722	7550220.147	MD6444	Trap 1	3/10/2019	Draculoides `sp. WAM-SCH084`	1
678225	656839.3932	7551132.558	Murrays Well	Net	11/08/2019	Halacaridae `BAR137`	22
678228	666526.1467	7540482.038	Pipally Well	Net	12/08/2019	Halacaridae `BAR137`	10
706868	645485.4934	7548055.465	Malay Well	Net	21/02/2020	Halacaridae `BAR137`	1
706875	632960.1595	7552991.867	Marnamoonah Well	Net	23/02/2020	Halacaridae `BAR137`	1
706902	680635.1968	7544785.708	md_kar2	Karaman-Chappuis	20/02/2020	Guineaxonopsis `BAC011`	6
628831	651322.1847	7554724.42	Hesters Bore	Net	9/12/2014	Guineaxonopsis sp. B03 (S01 group)	1
597740	670293.1656	7548620.255	MD0429	Net	18/01/2012	Guineaxonopsis sp. B03 (S01 group)	1
739117	684488.6291	7533585.505	Salt Well	Net	24/07/2022	Bdelloidea `sp. indet.`	1
739502	666977.7503	7546855.445	No 3 Well	Net	22/07/2022	Bdelloidea `sp. indet.`	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
739497	690187.8778	7557591.97	Farwicks Well	Net	25/07/2022	Bdelloidea sp. 3:2	4
759338	689388.6574	7536684.012	Tuckanoona Well	Net	20/01/2024	Bdelloidea sp. 3:2	20
628811	652019.5423	7555031.034	Stumble On Well	Net	9/12/2014	Bdelloidea sp. 3:2	4
628832	651322.1847	7554724.42	Hesters Bore	Net	9/12/2014	Bdelloidea sp. 3:2	1
733075	651404.4086	7545085.057	Calamina Well	Net	5/03/2022	Bdelloidea sp. 3:2	1
739517	722645.3453	7534092.999	Thieves Well	Net	24/07/2022	Bdelloidea sp. 3:2	1
758643	611837.9167	7557982.383	Rods Bore	Net	9/12/2023	Bdelloidea sp. 3:2	1
758770	689388.6574	7536684.012	Tuckanoona Well	Net	11/12/2023	Bdelloidea sp. 3:2	7
739459	643592.8364	7552197.292	MD5838	Scrape	26/07/2022	Bdelloidea sp. 3:2	5
739469	643607.0839	7550599.462	MD5842	Scrape	26/07/2022	Bdelloidea sp. 3:2	4
741005	671043.226	7542130.75	Maddina Well	Net	22/07/2022	Bdelloidea sp. 3:2	2
646700	677732.9107	7548303.922	md_kar3	Karaman-Chappuis	18/01/2012	Cryptops `MH2`	1
668527	662888.5085	7552709.675	MD0253	Scrape	21/10/2011	Cryptops `MH2`	1
668695	671509.5688	7548269.237	MD0420	Scrape	21/10/2011	Cryptops `MH2`	1
668700	670533.0246	7548955.385	MD0427	Net	21/10/2011	Cryptops `MH2`	1
688121	667363.8815	7548533.352	MD4821	Scrape	30/01/2020	Cryptops `Phoenix-MH1`	1
668921	656255.8325	7553752.64	MD0525	Scrape	18/01/2012	Cryptops `Phoenix-MH1`	1
757591	685795.0582	7555420.788	MDWB0017	Net	15/11/2023	Cryptops `sp. indet.`	1
629030	658538.9134	7553837.15	MD0974	Net	11/12/2014	Cryptops sp. B41	1
628981	664932.4216	7550756.062	MD0298	Scrape	11/12/2014	Cryptops sp. B42	1
679061	666714.5719	7549356.377	MD4754	Trap 1	3/10/2019	Cormocephalus pyropygus	1
688023	657396.7552	7553116.739	MD1458	Scrape	31/01/2020	Cormocephalus pyropygus	1
668710	670189.3641	7548465.248	MD0430	Scrape	21/10/2011	Cormocephalus pyropygus	1
629659	652901.376	7553193.3	MD0635	Trap 1	10/02/2015	Oligochaeta `sp. indet.`	2
628865	661741.7347	7549057.499	MD3943	Scrape	13/12/2014	Oligochaeta `sp. indet.`	1
629727	661741.7347	7549057.499	MD3943	Trap 1	10/02/2015	Oligochaeta `sp. indet.`	6
629699	663056.5064	7548132.554	MD4678	Trap 1	11/02/2015	Oligochaeta `sp. indet.`	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
566112	644800.4178	7556404.654	WF0103	Scrape	2/10/2008	Oligochaeta `sp. indet.`	40
562886	644800.4178	7556404.654	WF0103	Trap 1	2/12/2008	Oligochaeta `sp. indet.`	20
562848	644789.5839	7556796.705	WF0104	Trap 1	2/12/2008	Oligochaeta `sp. indet.`	1
562867	643188.9	7557110.313	WF0121	Trap 1	2/12/2008	Oligochaeta `sp. indet.`	10
566120	643188.9	7557110.313	WF0121	Scrape	2/10/2008	Oligochaeta `sp. indet.`	2
562871	643194.1962	7556898.79	WF0122	Trap 1	2/12/2008	Oligochaeta `sp. indet.`	7
562850	643184.849	7556099.478	WF0123	Trap 1	2/12/2008	Oligochaeta `sp. indet.`	10
562881	643991.8465	7556110.925	WF0129	Trap 1	2/12/2008	Oligochaeta `sp. indet.`	20
566103	642301.2258	7557995.272	WF0157	Scrape	2/10/2008	Oligochaeta `sp. indet.`	3
562913	636800.2577	7557198.214	WF0177	Trap 1	2/12/2008	Oligochaeta `sp. indet.`	2
562918	636007.6473	7558494.939	WF0181	Trap 1	2/12/2008	Oligochaeta `sp. indet.`	4
566035	635995.0197	7558705.409	WF0182	Scrape	1/10/2008	Oligochaeta `sp. indet.`	17
562904	635995.0197	7558705.409	WF0182	Trap 1	2/12/2008	Oligochaeta `sp. indet.`	17
562902	635202.772	7556700.526	WF0184	Trap 1	2/12/2008	Oligochaeta `sp. indet.`	8
562866	635209.6261	7556897.542	WF0185	Trap 1	2/12/2008	Oligochaeta `sp. indet.`	15
629051	655224.6195	7554745.011	MD0901	Scrape	14/12/2014	Achaeta `sp. indet.`	4
628844	659375.42	7549853.535	MD2971	Scrape	13/12/2014	Achaeta `sp. indet.`	1
628914	670664.565	7549762.313	MD3394	Scrape	12/12/2014	Achaeta `sp. indet.`	1
733453	654384.6655	7544585.322	MD7043	Scrape	4/03/2022	Enchytraeidae `2 bundle` s.l. (short sclero 2 per seg)	1
628849	658820.1845	7553899.636	MD0355	Scrape	15/12/2014	Enchytraeidae `2 bundle` s.l. (short sclero 2 per seg)	18
628798	658654.1635	7554010.935	MD0963	Scrape	15/12/2014	Enchytraeidae `2 bundle` s.l. (short sclero 2 per seg)	6
628802	665314.0047	7549963.634	MD3154	Net	11/12/2014	Enchytraeidae `2 bundle` s.l. (short sclero 2 per seg)	200
629081	665201.8908	7549798.719	MD3155	Scrape	12/12/2014	Enchytraeidae `2 bundle` s.l. (short sclero 2 per seg)	1
628962	668683.8095	7550417.159	MD3241	Scrape	12/12/2014	Enchytraeidae `2 bundle` s.l. (short sclero 2 per seg)	1
629009	666021.0876	7549229.756	MD3450	Net	11/12/2014	Enchytraeidae `2 bundle` s.l. (short sclero 2 per seg)	2
628892	662088.2111	7549546.665	MD3946	Scrape	13/12/2014	Enchytraeidae `2 bundle` s.l. (short sclero 2 per seg)	1
629047	668427.297	7550834.06	MD4512	Net	10/12/2014	Enchytraeidae `2 bundle` s.l. (short sclero 2 per seg)	20

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
597801	666956.3326	7551523.048	MD0262	Net	18/01/2012	Enchytraeidae `3 bundle` s.l. (short sclero)	4
597802	669042.9854	7551007.927	MD0266	Net	18/01/2012	Enchytraeidae `3 bundle` s.l. (short sclero)	10
597803	668589.2309	7550351.737	MD0270	Net	18/01/2012	Enchytraeidae `3 bundle` s.l. (short sclero)	1
597804	666485.051	7550860.345	MD0293	Net	18/01/2012	Enchytraeidae `3 bundle` s.l. (short sclero)	2
597806	673074.4718	7548377.149	MD0396	Net	18/01/2012	Enchytraeidae `3 bundle` s.l. (short sclero)	1
597808	670533.0246	7548955.385	MD0427	Net	18/01/2012	Enchytraeidae `3 bundle` s.l. (short sclero)	2
597811	669203.6404	7549166.909	MD0439	Net	18/01/2012	Enchytraeidae `3 bundle` s.l. (short sclero)	2
597812	668985.6345	7548847.028	MD0441	Net	18/01/2012	Enchytraeidae `3 bundle` s.l. (short sclero)	8
597813	656121.2041	7552872.598	MD0462	Net	18/01/2012	Enchytraeidae `3 bundle` s.l. (short sclero)	1
597814	655193.9947	7553630.304	MD0499	Net	18/01/2012	Enchytraeidae `3 bundle` s.l. (short sclero)	6
597817	655265.1153	7554457.831	MD0578	Net	18/01/2012	Enchytraeidae `3 bundle` s.l. (short sclero)	2
597818	656090.7595	7552819.752	MD0596	Net	18/01/2012	Enchytraeidae `3 bundle` s.l. (short sclero)	1
597819	653830.1894	7554486.35	MD0631	Net	18/01/2012	Enchytraeidae `3 bundle` s.l. (short sclero)	1
597820	652864.9996	7555178.948	MD0646	Net	18/01/2012	Enchytraeidae `3 bundle` s.l. (short sclero)	2
597823	648820.516	7553676.534	MD0673	Net	18/01/2012	Enchytraeidae `3 bundle` s.l. (short sclero)	3
628814	659517.7819	7552795.246	MD1295	Net	11/12/2014	Enchytraeidae `3 bundle` s.l. (short sclero)	5
628956	656845.3414	7553378.04	MD1702	Scrape	14/12/2014	Enchytraeidae `3 bundle` s.l. (short sclero)	60
628948	657013.6347	7553699.679	MD1709	Scrape	14/12/2014	Enchytraeidae `3 bundle` s.l. (short sclero)	5
629102	656123.8781	7553659.836	MD2094	Scrape	14/12/2014	Enchytraeidae `3 bundle` s.l. (short sclero)	2
629095	659137.2002	7553315.103	MD2736	Scrape	15/12/2014	Enchytraeidae `3 bundle` s.l. (short sclero)	1
628922	659136.3296	7552822.373	MD3463	Scrape	13/12/2014	Enchytraeidae `3 bundle` s.l. (short sclero)	1
628920	672131.5577	7548364.288	MD3578	Scrape	12/12/2014	Enchytraeidae `3 bundle` s.l. (short sclero)	3
629006	663893.493	7548279.945	MD4450	Net	11/12/2014	Enchytraeidae `3 bundle` s.l. (short sclero)	2
733454	648008.3982	7546996.553	MD5359	Scrape	5/03/2022	Enchytraeidae `3 bundle` s.l. (short sclero)	1
757905	626249.7456	7559399.992	MD5461	Net	10/11/2023	Enchytraeidae `3 bundle` s.l. (short sclero)	12
758651	626249.7456	7559399.992	MD5461	Net	12/12/2023	Enchytraeidae `3 bundle` s.l. (short sclero)	2
759651	626249.7456	7559399.992	MD5461	Net	19/01/2024	Enchytraeidae `3 bundle` s.l. (short sclero)	2

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
739472	655601.9899	7546198.725	MD5821	Scrape	26/07/2022	Enchytraeidae `3 bundle` s.l. (short sclero)	1
739264	651994.5981	7545017.324	MD5829	Scrape	26/07/2022	Enchytraeidae `3 bundle` s.l. (short sclero)	1
733041	647995.0125	7545799.76	MD5830	Scrape	4/03/2022	Enchytraeidae `3 bundle` s.l. (short sclero)	6
733047	647200.5084	7547390.597	MD5831	Scrape	4/03/2022	Enchytraeidae `3 bundle` s.l. (short sclero)	18
741003	647200.5084	7547390.597	MD5831	Scrape	26/07/2022	Enchytraeidae `3 bundle` s.l. (short sclero)	18
733059	647201.2793	7546595.599	MD5832	Scrape	4/03/2022	Enchytraeidae `3 bundle` s.l. (short sclero)	5
739238	646377.3837	7546601.115	MD5834	Scrape	26/07/2022	Enchytraeidae `3 bundle` s.l. (short sclero)	1
732914	646400.8253	7545800.371	MD5835	Scrape	4/03/2022	Enchytraeidae `3 bundle` s.l. (short sclero)	29
739466	646400.8253	7545800.371	MD5835	Scrape	26/07/2022	Enchytraeidae `3 bundle` s.l. (short sclero)	1
745419	646400.8253	7545800.371	MD5835	Net	22/11/2022	Enchytraeidae `3 bundle` s.l. (short sclero)	13
739192	643592.8364	7552197.292	MD5838	Net	22/07/2022	Enchytraeidae `3 bundle` s.l. (short sclero)	3
733029	643607.0839	7550599.462	MD5842	Scrape	4/03/2022	Enchytraeidae `3 bundle` s.l. (short sclero)	12
738393	643200.1	7550196.841	MD5844	Trap 1	26/07/2022	Enchytraeidae `3 bundle` s.l. (short sclero)	1
732992	643996.2516	7549397.889	MD7061	Scrape	4/03/2022	Enchytraeidae `3 bundle` s.l. (short sclero)	17
758644	624484.8017	7558190.692	MDPZ5143	Net	10/12/2023	Enchytraeidae `3 bundle` s.l. (short sclero)	1
757540	624484.8017	7558190.692	MDPZ5143	Net	13/11/2023	Enchytraeidae `3 bundle` s.l. (short sclero)	2
739123	683884.0658	7557475.373	MDPZ7478	Net	25/07/2022	Enchytraeidae `3 bundle` s.l. (short sclero)	16
757584	683884.0658	7557475.373	MDPZ7478	Net	15/11/2023	Enchytraeidae `3 bundle` s.l. (short sclero)	38
758693	683884.0658	7557475.373	MDPZ7478	Net	11/12/2023	Enchytraeidae `3 bundle` s.l. (short sclero)	22
757610	609648.6066	7560972.473	MDPZ9221	Net	12/11/2023	Enchytraeidae `3 bundle` s.l. (short sclero)	2
759250	667331.1634	7547884.808	MDRC2101	Trap 1	21/01/2024	Enchytraeidae `3 bundle` s.l. (short sclero)	1
739073	665270.0078	7556266.913	MDWB0013	Net	23/07/2022	Enchytraeidae `3 bundle` s.l. (short sclero)	1
746957	611249.7061	7558992.88	MDWB0026	Trap 1	20/03/2023	Enchytraeidae `3 bundle` s.l. (short sclero)	4
757968	611249.7061	7558992.88	MDWB0026	Net	12/11/2023	Enchytraeidae `3 bundle` s.l. (short sclero)	25
758721	611249.7061	7558992.88	MDWB0026	Net	9/12/2023	Enchytraeidae `3 bundle` s.l. (short sclero)	35
758565	632147.0977	7556770.804	MDWB0054	Net	10/12/2023	Enchytraeidae `3 bundle` s.l. (short sclero)	1
757849	632147.0977	7556770.804	MDWB0054	Net	10/11/2023	Enchytraeidae `3 bundle` s.l. (short sclero)	4

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759166	632147.0977	7556770.804	MDWB0054	Net	19/01/2024	Enchytraeidae `3 bundle` s.l. (short sclero)	3
759137	624446.6182	7557799.075	MDWB0056	Net	19/01/2024	Enchytraeidae `3 bundle` s.l. (short sclero)	1
757601	624446.6182	7557799.075	MDWB0056	Net	13/11/2023	Enchytraeidae `3 bundle` s.l. (short sclero)	1
759163	611837.9167	7557982.383	Rods Bore	Net	18/01/2024	Enchytraeidae `3 bundle` s.l. (short sclero)	16
758636	611837.9167	7557982.383	Rods Bore	Net	9/12/2023	Enchytraeidae `3 bundle` s.l. (short sclero)	4
732923	689388.6574	7536684.012	Tuckanoona Well	Net	6/03/2022	Enchytraeidae `3 bundle` s.l. (short sclero)	4
739139	689388.6574	7536684.012	Tuckanoona Well	Net	24/07/2022	Enchytraeidae `3 bundle` s.l. (short sclero)	3
759333	689388.6574	7536684.012	Tuckanoona Well	Net	20/01/2024	Enchytraeidae `3 bundle` s.l. (short sclero)	5
733053	695608.2599	7552970.399	UNK4	Net	11/03/2022	Enchytraeidae `3 bundle` s.l. (short sclero)	15
739246	695608.2599	7552970.399	UNK4	Net	25/07/2022	Enchytraeidae `3 bundle` s.l. (short sclero)	8
758679	695608.2599	7552970.399	UNK4	Net	13/12/2023	Enchytraeidae `3 bundle` s.l. (short sclero)	28
759542	695608.2599	7552970.399	UNK4	Net	20/01/2024	Enchytraeidae `3 bundle` s.l. (short sclero)	50
741002	656604.5804	7542721.833	Browns Well	Net	21/07/2022	Enchytraeidae `BOL081` (2 bundle long thin)	1
684886	632960.1595	7552991.867	Marnamoonah Well	Net	13/08/2019	Enchytraeidae `BOL081` (2 bundle long thin)	1
688212	643694.1835	7553801.811	md_hyp4	Bou Rouche	21/02/2020	Enchytraeidae `BOL081` (2 bundle long thin)	1
745420	647995.0125	7545799.76	MD5830	Net	22/11/2022	Enchytraeidae `BOL081` (2 bundle long thin)	1
739458	643592.8364	7552197.292	MD5838	Scrape	26/07/2022	Enchytraeidae `BOL081` (2 bundle long thin)	2
736222	656809.1498	7550996.666	Murrays Bore	Net	19/05/2022	Enchytraeidae `BOL081` (2 bundle long thin)	1
733006	604123.6786	7576068.91	UNK2	Net	9/03/2022	Enchytraeidae `BOL081` (2 bundle long thin)	1
678545	667050.137	7549483.466	MD4800	Scrape	8/08/2019	Enchytraeidae `sp. E11 LB-2015`	8
706901	671043.226	7542130.75	Maddina Well	Net	3/02/2020	Enchytraeidae `sp. E6`	1
678085	672211.3688	7549243.757	MD0401	Scrape	7/08/2019	Enchytraeidae `sp. E6`	2
679364	672211.3688	7549243.757	MD0401	Trap 1	3/10/2019	Enchytraeidae `sp. E6`	6
677624	661896.6468	7550273.926	MD1333	Scrape	9/08/2019	Enchytraeidae `sp. E6`	1
677602	662015.9587	7550439.895	MD1334	Scrape	9/08/2019	Enchytraeidae `sp. E6`	1
688173	656604.6459	7553554.285	MD2023	Scrape	1/02/2020	Enchytraeidae `sp. E6`	2
677609	654593.936	7553147.927	MD2633	Scrape	7/08/2019	Enchytraeidae `sp. E6`	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
677592	665742.0756	7549181.774	MD3285	Scrape	8/08/2019	Enchytraeidae `sp. E6`	2
678096	665939.7321	7550508.464	MD3802	Scrape	8/08/2019	Enchytraeidae `sp. E6`	1
677615	659366.5914	7549492.65	MD3874	Scrape	8/08/2019	Enchytraeidae `sp. E6`	4
678041	663423.9572	7550926.885	MD3980	Scrape	8/08/2019	Enchytraeidae `sp. E6`	14
705447	671184.1832	7549641.481	MD4575	Trap 1	6/05/2020	Enchytraeidae `sp. E6`	4
688115	632050.2563	7559000.307	MD5382	Net	22/02/2020	Enchytraeidae `sp. E6`	1
678688	665007.1316	7548838.515	MD6304	Scrape	8/08/2019	Enchytraeidae `sp. E6`	37
678066	655657.5282	7551787.658	MDPZ7449C	Net	10/08/2019	Enchytraeidae `sp. E6`	1
687949	604123.7004	7576072.231	The Pools	Net	2/02/2020	Enchytraeidae `sp. E6`	4
597805	673421.3076	7548866.086	MD0393	Net	18/01/2012	Enchytraeidae `sp. indet	1
594530	656167.5548	7552761.41	MD0601	Scrape	21/10/2011	Enchytraeidae `sp. indet	1
628808	652019.5423	7555031.034	Stumble On Well	Net	9/12/2014	Enchytraeidae `sp. indet	1
561567	642410.7731	7557899.061	WF0148	Net	23/10/2008	Enchytraeidae `sp. indet	2
684887	632960.1595	7552991.867	Marnamoonah Well	Net	13/08/2019	Enchytraeidae `sp. indet	1
678551	657289.1342	7552878.648	MD1556	Scrape	7/08/2019	Enchytraeidae `sp. indet	2
679359	654610.5445	7553262.918	MD2627	Trap 1	2/10/2019	Enchytraeidae `sp. indet	8
687956	658981.3049	7552083.175	MD3855	Scrape	31/01/2020	Enchytraeidae `sp. indet	6
678097	662152.5579	7549983.383	MD3937	Scrape	9/08/2019	Enchytraeidae `sp. indet	2
574027	644789.5839	7556796.705	WF0104	Scrape	2/10/2008	Enchytraeus sp. AP PSS1 s.l.	5
626259	639197.4224	7558609.858	WF0167	Net	23/07/2014	Enchytraeus sp. AP PSS1 s.l.	6
561013	635202.772	7556700.526	WF0184	Net	22/10/2008	Enchytraeus sp. AP PSS1 s.l.	34
561556	635209.6261	7556897.542	WF0185	Net	22/10/2008	Enchytraeus sp. AP PSS1 s.l.	40
561555	643991.8465	7556110.925	WF0129	Net	23/10/2008	Enchytraeus sp. AP PSS1 s.l.	2
574026	644799.169	7556605.07	WF0136	Scrape	2/10/2008	Enchytraeus sp. AP PSS1 s.l.	1
706874	654985.5497	7557600.768	Horaces Well	Net	21/02/2020	Dero (Dero) nivea	1
739178	647200.5084	7547390.597	MD5831	Scrape	26/07/2022	Dero furcata	2
687906	651404.4086	7545085.057	Calamina Well	Net	21/02/2020	Pristina aequiseta	8

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
739493	666526.1467	7540482.038	Pipally Well	Net	22/07/2022	Pristina aequiseta	6
688270	645568.0337	7554391.296	Two Mile Bore	Net	21/02/2020	Pristina aequiseta	2
678028	656627.0162	7542697.248	Browns Bore	Net	10/08/2019	Pristina aequiseta	12
687910	656627.0162	7542697.248	Browns Bore	Net	2/02/2020	Pristina aequiseta	26
732986	656604.5804	7542721.833	Browns Well	Net	5/03/2022	Pristina aequiseta	17
688146	654985.5497	7557600.768	Horaces Well	Net	21/02/2020	Pristina aequiseta	1
739148	654963.7055	7557583.267	Horraces Bore	Net	22/07/2022	Pristina aequiseta	9
688061	671043.226	7542130.75	Maddina Well	Net	3/02/2020	Pristina aequiseta	11
687895	645485.4934	7548055.465	Malay Well	Net	21/02/2020	Pristina aequiseta	13
678063	645485.4934	7548055.465	Malay Well	Net	10/08/2019	Pristina aequiseta	14
597798	680635.1968	7544785.708	md_kar2	Karaman-Chappuis	18/01/2012	Pristina aequiseta	2
706863	680635.1968	7544785.708	md_kar2	Karaman-Chappuis	20/02/2020	Pristina aequiseta	6
706880	680635.1968	7544785.708	md_kar2	Bou Rouche	20/02/2020	Pristina aequiseta	1
597800	670507.7986	7549765.128	md_kar6	Karaman-Chappuis	18/01/2012	Pristina aequiseta	1
520110	675434.1872	7536782.092	MULGA1	Net	23/06/2004	Pristina aequiseta	4
687932	656839.3932	7551132.558	Murrays Well	Net	1/02/2020	Pristina aequiseta	1
733066	666977.7503	7546855.445	No 3 Well	Net	5/03/2022	Pristina aequiseta	4
628829	666974.6448	7546854.371	No. 3 Well	Net	10/12/2014	Pristina aequiseta	3
688043	666974.6448	7546854.371	No. 3 Well	Net	3/02/2020	Pristina aequiseta	9
678682	675422.888	7536785.541	One Tank Well	Net	12/08/2019	Pristina aequiseta	15
688076	675422.888	7536785.541	One Tank Well	Net	3/02/2020	Pristina aequiseta	13
678227	666526.1467	7540482.038	Pipally Well	Net	12/08/2019	Pristina aequiseta	4
687869	666526.1467	7540482.038	Pipally Well	Net	3/02/2020	Pristina aequiseta	15
733021	661761.9445	7548118.301	Robinsons Well	Net	5/03/2022	Pristina aequiseta	8
687987	670798.0354	7538006.313	Silver Grass Well	Net	3/02/2020	Pristina aequiseta	18
678060	670798.0354	7538006.313	Silver Grass Well	Net	12/08/2019	Pristina aequiseta	12
688195	645555.6027	7554385.875	Two Mile Well	Net	21/02/2020	Pristina aequiseta	15

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
678561	645555.6027	7554385.875	Two Mile Well	Net	13/08/2019	Pristina aequiseta	11
759356	605042.1353	7575311.182	1475	Net	18/01/2024	Phreodrilidae sp. AP SVC s.l.	1
758713	605042.1353	7575311.182	1475	Net	8/12/2023	Phreodrilidae sp. AP SVC s.l.	2
739097	656604.5804	7542721.833	Browns Well	Net	21/07/2022	Phreodrilidae sp. AP SVC s.l.	12
678556	651403.5491	7545102.781	Calamina Bore	Net	10/08/2019	Phreodrilidae sp. AP SVC s.l.	12
706869	651404.4086	7545085.057	Calamina Well	Net	21/02/2020	Phreodrilidae sp. AP SVC s.l.	1
739203	651404.4086	7545085.057	Calamina Well	Net	21/07/2022	Phreodrilidae sp. AP SVC s.l.	7
687998	671125.6486	7529653.171	Company	Net	3/02/2020	Phreodrilidae sp. AP SVC s.l.	6
678539	680218.6373	7538630.006	Ebathacalby bore	Net	12/08/2019	Phreodrilidae sp. AP SVC s.l.	2
758686	690187.8778	7557591.97	Farwicks Well	Net	13/12/2023	Phreodrilidae sp. AP SVC s.l.	18
759180	690187.8778	7557591.97	Farwicks Well	Net	20/01/2024	Phreodrilidae sp. AP SVC s.l.	28
739141	652689.5486	7540478.534	MB19KRP0011-5	Net	21/07/2022	Phreodrilidae sp. AP SVC s.l.	1
688282	680635.1968	7544785.708	md_kar2	Bou Rouche	20/02/2020	Phreodrilidae sp. AP SVC s.l.	4
706864	680635.1968	7544785.708	md_kar2	Karaman-Chappuis	20/02/2020	Phreodrilidae sp. AP SVC s.l.	5
597815	656255.8325	7553752.64	MD0525	Net	18/01/2012	Phreodrilidae sp. AP SVC s.l.	6
597821	652864.9996	7555178.948	MD0646	Net	18/01/2012	Phreodrilidae sp. AP SVC s.l.	1
629036	659091.7067	7549442.294	MD3879	Net	11/12/2014	Phreodrilidae sp. AP SVC s.l.	2
741001	647995.0125	7545799.76	MD5830	Scrape	26/07/2022	Phreodrilidae sp. AP SVC s.l.	1
745148	647201.2793	7546595.599	MD5832	Net	22/11/2022	Phreodrilidae sp. AP SVC s.l.	2
732946	654384.6655	7544585.322	MD7043	Scrape	4/03/2022	Phreodrilidae sp. AP SVC s.l.	1
732885	652792.7394	7544598.75	MD7046	Scrape	4/03/2022	Phreodrilidae sp. AP SVC s.l.	1
732957	654002.3317	7546596.562	MD7049	Scrape	4/03/2022	Phreodrilidae sp. AP SVC s.l.	1
688057	656695.385	7548183.119	MDPZ7457C	Net	2/02/2020	Phreodrilidae sp. AP SVC s.l.	1
678517	656638.5202	7546108.656	MDPZ7458C	Net	11/08/2019	Phreodrilidae sp. AP SVC s.l.	1
732903	654385.8319	7546688.007	MDPZ9212S	Net	5/03/2022	Phreodrilidae sp. AP SVC s.l.	1
678047	654387.6281	7543737.126	MDUNK01	Net	13/08/2019	Phreodrilidae sp. AP SVC s.l.	2
759159	660244.6371	7557803.827	MDWB0011	Net	18/01/2024	Phreodrilidae sp. AP SVC s.l.	3

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
739120	615397.5968	7558529.022	MDWB0023	Net	19/07/2022	Phreodrilidae sp. AP SVC s.l.	2
758040	615397.5968	7558529.022	MDWB0023	Net	13/11/2023	Phreodrilidae sp. AP SVC s.l.	4
739086	610841.9188	7556184.916	MDWB0030	Net	19/07/2022	Phreodrilidae sp. AP SVC s.l.	1
758683	610841.9188	7556184.916	MDWB0030	Net	9/12/2023	Phreodrilidae sp. AP SVC s.l.	1
757536	610841.9188	7556184.916	MDWB0030	Net	13/11/2023	Phreodrilidae sp. AP SVC s.l.	2
745145	608628.8678	7556025.458	MDWB0032	Net	24/11/2022	Phreodrilidae sp. AP SVC s.l.	5
740160	656694.7866	7548123.333	MDWB0037	Net	21/07/2022	Phreodrilidae sp. AP SVC s.l.	2
745483	606841.2472	7556217.06	MDWB0041	Net	24/11/2022	Phreodrilidae sp. AP SVC s.l.	8
758647	606841.2472	7556217.06	MDWB0041	Net	8/12/2023	Phreodrilidae sp. AP SVC s.l.	3
758754	607700.3239	7562350.914	MDWB0042	Net	8/12/2023	Phreodrilidae sp. AP SVC s.l.	2
758980	632147.0977	7556770.804	MDWB0054	Net	10/11/2023	Phreodrilidae sp. AP SVC s.l.	1
739210	615640.7423	7558197.326	MDWB0058	Net	19/07/2022	Phreodrilidae sp. AP SVC s.l.	2
758744	626564.5693	7556588.686	MDWB0067	Net	10/12/2023	Phreodrilidae sp. AP SVC s.l.	11
759154	614224.4971	7559826.223	Mrd Bore	Net	18/01/2024	Phreodrilidae sp. AP SVC s.l.	25
758780	614224.4971	7559826.223	Mrd Bore	Net	9/12/2023	Phreodrilidae sp. AP SVC s.l.	1
758657	613928.5438	7551606.086	Mt King Well	Net	9/12/2023	Phreodrilidae sp. AP SVC s.l.	6
519433	675434.1872	7536782.092	MULGA1	Net	15/08/2005	Phreodrilidae sp. AP SVC s.l.	1
739143	654389.6134	7543729.356	MWUNK1	Net	21/07/2022	Phreodrilidae sp. AP SVC s.l.	2
758982	611837.9167	7557982.383	Rods Bore	Net	9/12/2023	Phreodrilidae sp. AP SVC s.l.	17
759652	611837.9167	7557982.383	Rods Bore	Net	18/01/2024	Phreodrilidae sp. AP SVC s.l.	8
706870	604123.7004	7576072.231	The Pools	Net	2/02/2020	Phreodrilidae sp. AP SVC s.l.	3
688130	659873.6104	7561917.807	Two Day Well	Net	21/02/2020	Phreodrilidae sp. AP SVC s.l.	1
733027	602114.681	7573844.7	UNK1	Net	9/03/2022	Phreodrilidae sp. AP SVC s.l.	2
687938	656519.6692	7542788.014	Unknown 5	Net	2/02/2020	Phreodrilidae sp. AP SVC s.l.	1
626524	639197.4224	7558609.858	WF0167	Net	23/07/2014	Phreodrilidae sp. AP SVC s.l.	1
678510	632960.1595	7552991.867	Marnamoonah Well	Net	13/08/2019	Phreodrilidae sp. AP SVC s.l.	1
741000	651994.5981	7545017.324	MD5829	Scrape	26/07/2022	Phreodrilidae sp. AP SVC s.l.	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
739464	652792.7394	7544598.75	MD7046	Scrape	26/07/2022	Phreodrilidae sp. AP SVC s.l.	1
739168	627240.8749	7559454.007	MDPZ5110	Net	20/07/2022	Phreodrilidae sp. AP SVC s.l.	1
733068	607647.731	7562206.25	MDPZ5296	Net	9/03/2022	Phreodrilidae sp. AP SVC s.l.	1
739331	654385.8319	7546688.007	MDPZ9212S	Net	21/07/2022	Phreodrilidae sp. AP SVC s.l.	1
758568	607249.4234	7558582.269	MDWB0031	Net	8/12/2023	Phreodrilidae sp. AP SVC s.l.	2
687945	674716.4403	7529412.741	Mountain Well	Net	3/02/2020	Phreodrilidae sp. AP SVC s.l.	4
684888	670798.0354	7538006.313	Silver Grass Well	Net	12/08/2019	Phreodrilidae sp. AP SVC s.l.	1
597809	670189.3641	7548465.248	MD0430	Net	18/01/2012	Phreodrilus peniculus	1
597824	636101.6066	7535502.446	Pyramid Pool	Karaman-Chappuis	18/02/2012	Phreodrilus peniculus	1
597799	656772.7104	7559335.843	md_kar5	Karaman-Chappuis	18/01/2012	Tubificidae `stygo type 1A`	1
706873	643694.1835	7553801.811	md_hyp4	Bou Rouche	21/02/2020	Tubificinae `sp. indet.`	3
628960	657074.733	7552485.501	MD4613	Scrape	14/12/2014	Tubificinae `sp. indet.`	3
678529	689388.6574	7536684.012	Tuckanoona Well	Net	12/08/2019	Tubificinae `sp. indet.`	1
679365	663447.5714	7548345.508	MD6089	Trap 1	2/10/2019	Haplodesmidae `Helix-DIHAP001`	3
684368	662411.5733	7551386.97	MD3014	Trap 1	3/10/2019	Lophoturus madecassus	1
566125	644784.2809	7556109.179	WF0139	Scrape	2/10/2008	Lophoturus madecassus	6
678220	655682.3976	7552006.649	MD2166	Scrape	6/08/2019	Lophoturus madecassus	55
738424	646377.3837	7546601.115	MD5834	Trap 1	26/07/2022	Lophoturus madecassus	10
758564	632147.0977	7556770.804	MDWB0054	Net	10/12/2023	Lophoturus madecassus	3
562841	641601.8257	7558368.065	WF0152	Trap 1	2/12/2008	Lophoturus madecassus	1
562861	644784.2809	7556109.179	WF0139	Trap 1	2/12/2008	Lophoturus madecassus	1
629764	659600.886	7553967.012	MD2727	Trap 1	10/02/2015	Lophoturus madecassus	1
628800	661331.587	7552601.747	MD0330	Scrape	13/12/2014	Lophoturus madecassus	1
679117	656762.8909	7552044.606	MD0843	Trap 1	2/10/2019	Lophoturus madecassus	46
679287	667050.137	7549483.466	MD4800	Trap 1	3/10/2019	Lophoturus madecassus	24
679330	665223.1574	7549663.403	MD4969	Trap 1	3/10/2019	Lophoturus madecassus	30
688180	668955.8893	7550201.62	MD1121	Scrape	30/01/2020	Lophoturus madecassus	17

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
705464	656728.032	7552789.039	MD1631	Trap 1	6/05/2020	Lophoturus madecassus	20
626041	639197.4224	7558609.858	WF0167	Net	19/06/2014	Lophoturus madecassus	2
626260	639197.4224	7558609.858	WF0167	Net	23/07/2014	Lophoturus madecassus	3
628899	669147.8331	7551164.038	MD3028	Scrape	12/12/2014	Lophoturus madecassus	2
628952	657013.6347	7553699.679	MD1709	Scrape	14/12/2014	Lophoturus madecassus	1
629525	664932.4216	7550756.062	MD0298	Trap 1	11/02/2015	Lophoturus madecassus	1
629657	652901.376	7553193.3	MD0635	Trap 1	10/02/2015	Lophoturus madecassus	7
629665	659136.3296	7552822.373	MD3463	Trap 2	10/02/2015	Lophoturus madecassus	1
629670	658800.2918	7552138.158	MD0676	Trap 1	10/02/2015	Lophoturus madecassus	13
668502	658493.3992	7554132.145	MD0236	Trap 2	1/03/2010	Lophoturus madecassus	7
668576	663170.2758	7551034.721	MD0314	Scrape	21/10/2011	Lophoturus madecassus	1
668701	670533.0246	7548955.385	MD0427	Scrape	21/10/2011	Lophoturus madecassus	1
668749	656059.5038	7552789.059	MD0463	Trap 1	1/06/2009	Lophoturus madecassus	1
668761	656130.831	7553217.968	MD0468	Trap 2	1/06/2009	Lophoturus madecassus	4
668805	655749.802	7552872.967	MD0482	Trap 1	1/03/2010	Lophoturus madecassus	10
668815	655732.7611	7553027.046	MD0483	Trap 2	1/06/2009	Lophoturus madecassus	1
668817	655732.7611	7553027.046	MD0483	Trap 1	10/12/2011	Lophoturus madecassus	1
668865	655089.3002	7553476.323	MD0501	Trap 1	1/03/2010	Lophoturus madecassus	9
668889	657252.6979	7553772.58	MD0515	Trap 1	1/03/2010	Lophoturus madecassus	1
668904	656490.2204	7554081.377	MD0524	Trap 1	1/03/2010	Lophoturus madecassus	1
669000	656127.5988	7552789.489	MD0598	Trap 1	1/03/2010	Lophoturus madecassus	1
669044	649294.0255	7554323.088	MD0671	Scrape	21/10/2011	Lophoturus madecassus	1
669049	649053.6974	7554004.275	MD0672	Scrape	21/10/2011	Lophoturus madecassus	1
669054	648820.516	7553676.534	MD0673	Scrape	21/10/2011	Lophoturus madecassus	1
677603	662015.9587	7550439.895	MD1334	Scrape	9/08/2019	Lophoturus madecassus	1
678055	665223.1574	7549663.403	MD4969	Scrape	8/08/2019	Lophoturus madecassus	6
678083	672211.3688	7549243.757	MD0401	Scrape	7/08/2019	Lophoturus madecassus	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
678520	656762.8909	7552044.606	MD0843	Scrape	6/08/2019	Lophoturus madecassus	5
678546	667050.137	7549483.466	MD4800	Scrape	8/08/2019	Lophoturus madecassus	2
678644	656245.7901	7552536.963	MDH0092	Scrape	7/08/2019	Lophoturus madecassus	1
678680	657629.1231	7552421.254	MD3809	Scrape	7/08/2019	Lophoturus madecassus	12
679053	659815.7196	7551862.095	MD2992	Trap 1	3/10/2019	Lophoturus madecassus	9
679057	663136.0126	7550517.967	MD3985	Trap 1	2/10/2019	Lophoturus madecassus	1
679066	666714.5719	7549356.377	MD4754	Trap 1	3/10/2019	Lophoturus madecassus	2
679069	665939.7321	7550508.464	MD3802	Trap 1	3/10/2019	Lophoturus madecassus	1
679072	662015.9587	7550439.895	MD1334	Trap 1	3/10/2019	Lophoturus madecassus	16
679098	670007.2722	7550220.147	MD6444	Trap 1	3/10/2019	Lophoturus madecassus	3
679102	667909.1529	7550712.276	MD6390	Trap 1	3/10/2019	Lophoturus madecassus	18
679111	655054.2586	7552331.763	MD2309	Trap 1	2/10/2019	Lophoturus madecassus	19
679113	656245.7901	7552536.963	MDH0092	Trap 1	2/10/2019	Lophoturus madecassus	2
679141	666797.9132	7548077.637	MD4814	Trap 1	3/10/2019	Lophoturus madecassus	6
679158	670069.4087	7547867.479	MD4597	Trap 1	3/10/2019	Lophoturus madecassus	2
679163	672560.2559	7549732.69	MD0398	Trap 1	3/10/2019	Lophoturus madecassus	3
679175	669457.1253	7550477.471	MD4276	Trap 1	3/10/2019	Lophoturus madecassus	1
679294	657629.1231	7552421.254	MD3809	Trap 1	3/10/2019	Lophoturus madecassus	21
679305	671234.6931	7550582.173	MD4554	Trap 1	3/10/2019	Lophoturus madecassus	2
679316	658869.2257	7553138.44	MD2936	Trap 1	3/10/2019	Lophoturus madecassus	2
679321	660482.806	7553841.755	MD4129	Trap 1	3/10/2019	Lophoturus madecassus	1
679329	664124.1884	7549625.125	MD0305	Trap 1	2/10/2019	Lophoturus madecassus	1
679339	665742.0756	7549181.774	MD3285	Trap 1	3/10/2019	Lophoturus madecassus	4
679341	665007.1316	7548838.515	MD6304	Trap 1	3/10/2019	Lophoturus madecassus	2
679348	655682.3976	7552006.649	MD2166	Trap 1	2/10/2019	Lophoturus madecassus	27
679363	672211.3688	7549243.757	MD0401	Trap 1	3/10/2019	Lophoturus madecassus	9
679372	657289.1342	7552878.648	MD1556	Trap 2	2/10/2019	Lophoturus madecassus	5

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
684369	667223.6316	7550952.143	MD6362	Trap 1	3/10/2019	Lophoturus madecassus	4
687894	663976.507	7552172.371	MD0307	Scrape	31/01/2020	Lophoturus madecassus	3
687955	658981.3049	7552083.175	MD3855	Scrape	31/01/2020	Lophoturus madecassus	17
688006	656728.032	7552789.039	MD1631	Scrape	31/01/2020	Lophoturus madecassus	1
688007	656728.032	7552789.039	MD1631	Scrape	31/01/2020	Lophoturus madecassus	1
688020	663170.2758	7551034.721	MD0314	Scrape	31/01/2020	Lophoturus madecassus	12
688094	654885.6913	7553126.226	MD1813	Scrape	1/02/2020	Lophoturus madecassus	2
688100	656718.5409	7552252.108	MD1545	Scrape	31/01/2020	Lophoturus madecassus	13
688172	656604.6459	7553554.285	MD2023	Scrape	1/02/2020	Lophoturus madecassus	2
688183	667191.0618	7548287.157	MD4824	Scrape	30/01/2020	Lophoturus madecassus	2
703238	657653.5484	7552798.589	MD3805	Scrape	31/01/2020	Lophoturus madecassus	5
705337	656718.5409	7552252.108	MD1545	Trap 1	6/05/2020	Lophoturus madecassus	24
705348	654885.6913	7553126.226	MD1813	Trap 1	6/05/2020	Lophoturus madecassus	42
705352	658435.4586	7552685.521	MD0350	Trap 1	6/05/2020	Lophoturus madecassus	15
705365	663976.507	7552172.371	MD0307	Trap 1	6/05/2020	Lophoturus madecassus	46
705369	655732.7611	7553027.046	MD0483	Trap 1	6/05/2020	Lophoturus madecassus	100
705385	657653.5484	7552798.589	MD3805	Trap 1	6/05/2020	Lophoturus madecassus	1
705388	656470.2804	7553530.158	MD2038	Trap 1	6/05/2020	Lophoturus madecassus	4
705391	667363.8815	7548533.352	MD4821	Trap 1	6/05/2020	Lophoturus madecassus	30
705401	659211.5819	7552409.701	MD3853	Trap 1	6/05/2020	Lophoturus madecassus	8
705410	669147.8331	7551164.038	MD3028	Trap 1	6/05/2020	Lophoturus madecassus	19
705416	658981.3049	7552083.175	MD3855	Trap 1	6/05/2020	Lophoturus madecassus	2
705419	668605.0651	7550481.124	MD3207	Trap 1	6/05/2020	Lophoturus madecassus	19
705422	663170.2758	7551034.721	MD0314	Trap 1	6/05/2020	Lophoturus madecassus	75
705431	654857.1519	7553266.022	MD1791	Trap 1	6/05/2020	Lophoturus madecassus	19
705457	659203.7622	7549608.356	MD3878	Trap 1	6/05/2020	Lophoturus madecassus	1
705458	668955.8893	7550201.62	MD1121	Trap 1	6/05/2020	Lophoturus madecassus	21

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
705466	655007.6931	7553466.057	MD1796	Trap 1	6/05/2020	Lophoturus madecassus	7
738422	643211.1157	7551402.488	MD5368	Trap 1	26/07/2022	Lophoturus madecassus	1
741183	643607.0839	7550599.462	MD5842	Trap 1	20/09/2022	Lophoturus madecassus	1
746325	632147.0977	7556770.804	MDWB0054	Trap 1	20/03/2023	Lophoturus madecassus	1
757590	685795.0582	7555420.788	MDWB0017	Net	15/11/2023	Lophoturus madecassus	1
757847	632147.0977	7556770.804	MDWB0054	Net	10/11/2023	Lophoturus madecassus	6
757882	667502.3302	7548555.126	MD6143	Scrape	9/11/2023	Lophoturus madecassus	80
759168	632147.0977	7556770.804	MDWB0054	Net	19/01/2024	Lophoturus madecassus	1
759227	668816.1957	7552269.408	MDRC2130	Trap 1	21/01/2024	Lophoturus madecassus	10
759387	667502.3302	7548555.126	MD6143	Trap 2	21/01/2024	Lophoturus madecassus	12
759587	667029.8907	7547972.182	MDRC2725	Trap 1	21/01/2024	Lophoturus madecassus	7
628807	672573.3856	7548302.95	MD3586	Net	10/12/2014	Diplura `sp. indet.`	1
684387	663423.9572	7550926.885	MD3980	Scrape	8/08/2019	Campodeidae `BDP216`	1
628845	658428.7943	7549576.35	MD0693	Scrape	13/12/2014	Campodeidae sp. B10	1
739257	674034.6577	7551430.577	MD7642	Net	23/07/2022	Japygidae `BDP213`	1
739104	690079.1803	7558846.912	MDPZ7476	Net	25/07/2022	Japygidae `BDP214`	1
668552	669042.9854	7551007.927	MD0266	Net	21/10/2011	Japygidae `MH1`	1
668828	655652.5513	7553261.474	MD0486	Scrape	21/10/2011	Japygidae `MH1`	1
668535	662888.5085	7552709.675	MD0253	Scrape	18/01/2012	Japygidae `MH2`	1
668661	673074.4718	7548377.149	MD0396	Scrape	18/01/2012	Japygidae `MH2`	1
757592	685795.0582	7555420.788	MDWB0017	Net	15/11/2023	Japygidae `sp. indet.`	1
758758	685795.0582	7555420.788	MDWB0017	Net	13/12/2023	Japygidae `sp. indet.`	1
705429	654857.1519	7553266.022	MD1791	Trap 1	6/05/2020	Japygidae `sp. indet.`	1
668528	662888.5085	7552709.675	MD0253	Trap 1	10/12/2011	Japygidae `sp. indet.`	1
668684	671118.6639	7549781.722	MD0408	Scrape	18/01/2012	Japygidae `sp. indet.`	1
668745	656121.2041	7552872.598	MD0462	Trap 1	10/12/2011	Japygidae `sp. indet.`	1
668855	655370.3825	7553522.262	MD0495	Scrape	18/01/2012	Japygidae `sp. indet.`	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
668914	656255.8325	7553752.64	MD0525	Trap 1	10/12/2011	Japygidae `sp. indet.`	1
669062	655581.6454	7553498.024	MDH0143	Scrape	18/01/2012	Japygidae `sp. indet.`	1
759272	668016.8777	7552775.18	MD9401	Trap 1	21/01/2024	Japygidae `sp. new OTU 1`	1
759349	689440.1703	7557130.334	MDWB0065	Net	20/01/2024	Japygidae `sp. new OTU 2	1
668814	655732.7611	7553027.046	MD0483	Trap 1	1/06/2009	Parajapygidae `sp. indet.`	1
629055	658495.855	7554477.59	MD0954	Net	11/12/2014	Parajapygidae 'Phoenix-MH1'	1
668748	656121.2041	7552872.598	MD0462	Scrape	18/01/2012	Parajapygidae 'Phoenix-MH1'	1
668964	655265.1153	7554457.831	MD0578	Scrape	21/10/2011	Parajapygidae 'Phoenix-MH1'	1
688050	656527.848	7553612.629	MD2040	Scrape	31/01/2020	Parajapygidae 'Phoenix-MH1'	1
629101	656123.8781	7553659.836	MD2094	Scrape	14/12/2014	Parajapygidae sp. B30	1
688017	668605.0651	7550481.124	MD3207	Scrape	30/01/2020	Parajapyx `BDP217`	1
678663	658869.2257	7553138.44	MD2936	Scrape	8/08/2019	Projapygidae `BDP182`	1
739194	685795.0582	7555420.788	MDWB0017	Net	25/07/2022	Projapygidae `BDP215`	1
668542	665739.7594	7551889.189	MD0259	Net	21/10/2011	Projapygidae `MH1`	1
668662	672679.6099	7549891.942	MD0397	Net	21/10/2011	Projapygidae `MH1`	1
668754	656243.8096	7553374.075	MD0467	Trap 1	10/12/2011	Projapygidae `MH1`	1
629020	657392.0941	7550185.836	MD0706	Net	11/12/2014	Projapygidae sp. B18	1
732945	654384.6655	7544585.322	MD7043	Scrape	4/03/2022	Nocticola `BBL043` (quartermainei gp)	1
741184	654002.3317	7546596.562	MD7049	Trap 1	20/09/2022	Nocticola `BBL043` (quartermainei gp)	3
738379	649595.3757	7545796.713	MD7051	Trap 1	26/07/2022	Nocticola `BBL043` (quartermainei gp)	1
679164	672560.2559	7549732.69	MD0398	Trap 1	3/10/2019	Nocticola `BLA008`	2
628880	657348.6728	7553568.988	MD0882	Scrape	14/12/2014	Nocticola `BLA008`	2
678678	672560.2559	7549732.69	MD0398	Scrape	7/08/2019	Nocticola `BLA008`	4
679304	671234.6931	7550582.173	MD4554	Trap 1	3/10/2019	Nocticola `BLA008`	2
759220	668016.8777	7552775.18	MD9401	Trap 2	21/01/2024	Nocticola `BLA008`	1
628979	668378.41	7551469.085	MD2889	Scrape	12/12/2014	Nocticola `MH1` (=B34)	2
628972	663227.8365	7552501.297	MD2674	Scrape	13/12/2014	Nocticola `MH1` (=B34)	6

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
629064	659398.7833	7553674.529	MD0716	Scrape	14/12/2014	Nocticola `MH1` (=B34)	2
679318	658869.2257	7553138.44	MD2936	Trap 1	3/10/2019	Nocticola `MH1` (=B34)	1
628987	668705.139	7553071.202	MD3683	Scrape	12/12/2014	Nocticola `MH1` (=B34)	5
628967	656255.8325	7553752.64	MD0525	Scrape	14/12/2014	Nocticola `MH1` (=B34)	10
628923	659876.86	7554015.138	MD2763	Scrape	13/12/2014	Nocticola `MH1` (=B34)	1
668516	661793.1154	7553237.009	MD0247	Scrape	21/10/2011	Nocticola `MH1` (=B34)	2
668532	662888.5085	7552709.675	MD0253	Trap 1	10/12/2011	Nocticola `MH1` (=B34)	1
668548	666956.3326	7551523.048	MD0262	Scrape	21/10/2011	Nocticola `MH1` (=B34)	1
668583	661331.587	7552601.747	MD0330	Net	21/10/2011	Nocticola `MH1` (=B34)	1
668619	660627.2048	7551620.167	MD0372	Scrape	21/10/2011	Nocticola `MH1` (=B34)	1
668679	671227.652	7549937.775	MD0405	Scrape	21/10/2011	Nocticola `MH1` (=B34)	1
668711	670189.3641	7548465.248	MD0430	Trap 1	10/12/2011	Nocticola `MH1` (=B34)	1
668787	655914.6761	7552749.531	MD0476	Scrape	21/10/2011	Nocticola `MH1` (=B34)	3
668809	655749.802	7552872.967	MD0482	Scrape	21/10/2011	Nocticola `MH1` (=B34)	3
668915	656255.8325	7553752.64	MD0525	Trap 1	10/12/2011	Nocticola `MH1` (=B34)	3
629494	661793.1154	7553237.009	MD0247	Trap 1	11/02/2015	Nocticola `sp. indet.`	1
629058	665021.1454	7551638.763	MD3094	Net	11/12/2014	Nocticola `sp. indet.`	1
628817	665480.9649	7552294.984	MD3087	Scrape	13/12/2014	Nocticola `sp. indet.`	2
628933	659163.8427	7553297.117	MD4172	Scrape	15/12/2014	Nocticola `sp. indet.`	2
629115	661793.1154	7553237.009	MD0247	Scrape	11/12/2014	Nocticola `sp. indet.`	1
668785	655914.6761	7552749.531	MD0476	Trap 2	1/06/2009	Nocticola `sp. indet.`	1
668807	655749.802	7552872.967	MD0482	Trap 2	1/03/2010	Nocticola `sp. indet.`	2
668857	655193.9947	7553630.304	MD0499	Trap 2	1/03/2010	Nocticola `sp. indet.`	1
678664	658869.2257	7553138.44	MD2936	Scrape	8/08/2019	Nocticola `sp. indet.`	1
747062	655601.9899	7546198.725	MD5821	Trap 1	20/03/2023	Nocticola quartermainei	1
741182	654387.4373	7545388.063	MD7042	Trap 1	20/09/2022	Nocticola quartermainei	1
705468	655007.6931	7553466.057	MD1796	Trap 1	6/05/2020	Coleoptera `BCO207`	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
688105	656718.5409	7552252.108	MD1545	Scrape	31/01/2020	Coleoptera `BCO207`	1
705340	656718.5409	7552252.108	MD1545	Trap 1	6/05/2020	Coleoptera `BCO207`	1
705347	654885.6913	7553126.226	MD1813	Trap 1	6/05/2020	Coleoptera `BCO207`	2
679293	657629.1231	7552421.254	MD3809	Trap 1	3/10/2019	Coleoptera `BCO207`	10
629809	668683.8095	7550417.159	MD3241	Trap 1	11/02/2015	Coleoptera sp. B07	2
738421	643607.0839	7550599.462	MD5842	Trap 1	26/07/2022	Coleoptera sp. B07	1
629083	668980.8812	7552999.58	MD3027	Scrape	12/12/2014	Gracilanillus `BCO176`	1
679101	670007.2722	7550220.147	MD6444	Trap 1	3/10/2019	Gracilanillus `BCO176`	1
629096	659137.2002	7553315.103	MD2736	Scrape	15/12/2014	Magnanillus `BCO175` (nr quartermainei)	1
628879	657348.6728	7553568.988	MD0882	Scrape	14/12/2014	Magnanillus `BCO175` (nr quartermainei)	1
668526	662888.5085	7552709.675	MD0253	Scrape	21/10/2011	Magnanillus `BCO175` (nr quartermainei)	2
668615	660875.1161	7551953.134	MD0371	Scrape	21/10/2011	Magnanillus `BCO175` (nr quartermainei)	1
668657	673074.4718	7548377.149	MD0396	Scrape	21/10/2011	Magnanillus `BCO175` (nr quartermainei)	1
668746	656121.2041	7552872.598	MD0462	Trap 1	10/12/2011	Magnanillus `BCO175` (nr quartermainei)	1
668792	655914.6761	7552749.531	MD0476	Scrape	18/01/2012	Magnanillus `BCO175` (nr quartermainei)	1
668860	655193.9947	7553630.304	MD0499	Scrape	21/10/2011	Magnanillus `BCO175` (nr quartermainei)	2
757533	674420.5964	7555337.485	MDPZ7474	Net	9/11/2023	Curculionidae `sp. indet.`	1
628983	663573.3358	7551302.918	MD0790	Scrape	13/12/2014	Curculionidae Genus 1 sp. B12	1
629056	665021.1454	7551638.763	MD3094	Net	11/12/2014	Curculionidae Genus 1 sp. B12	7
628870	657519.1657	7554828.458	MD0225	Net	11/12/2014	Curculionidae Genus 1 sp. B12	2
562845	641601.8257	7558368.065	WF0152	Trap 1	2/12/2008	Curculionidae Genus 2 sp. B07	1
629108	665021.1454	7551638.763	MD3094	Net	11/12/2014	Curculionidae Genus 2 sp. B18	5
629109	657519.1657	7554828.458	MD0225	Net	11/12/2014	Curculionidae Genus 2 sp. B18	1
705331	659257.1616	7549686.43	MD2970	Trap 1	6/05/2020	Holoparamecus `BCO208`	1
629509	663847.3337	7551362.066	MD3636	Trap 1	10/02/2015	Ptinella sp. B01 (=MC)	2
566124	641898.7585	7557994.48	WF0155	Scrape	2/10/2008	Allopnyxia sp. B01	1
629032	658538.9134	7553837.15	MD0974	Net	11/12/2014	Allopnyxia sp. B01	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
629080	665201.8908	7549798.719	MD3155	Scrape	12/12/2014	Allopnyxia sp. B01	1
705358	658435.4586	7552685.521	MD0350	Trap 1	6/05/2020	Allopnyxia sp. B01	17
758773	628028.2575	7559705.581	MDWB0025	Net	10/12/2023	Allopnyxia sp. B01	1
566181	644788.4066	7556220.969	WF0137	Scrape	2/10/2008	Cixiidae sp. B02	1
566221	644792.2568	7556302.866	WF0138	Scrape	2/10/2008	Cixiidae sp. B02	1
668517	661793.1154	7553237.009	MD0247	Trap 1	10/12/2011	Meenoplidae `sp. indet.`	2
668536	662888.5085	7552709.675	MD0253	Scrape	18/01/2012	Meenoplidae `sp. indet.`	2
668788	655914.6761	7552749.531	MD0476	Trap 1	10/12/2011	Meenoplidae sp.	2
668864	655193.9947	7553630.304	MD0499	Scrape	18/01/2012	Meenoplidae sp. SOLOMON 1	1
677621	666182.2746	7547894.832	MD6225	Scrape	8/08/2019	Phaconeura `BHE035`	3
703243	657653.5484	7552798.589	MD3805	Scrape	31/01/2020	Phaconeura `BHE036`	1
629048	668427.297	7550834.06	MD4512	Net	10/12/2014	Phaconeura `sp. indet.`	1
628978	668378.41	7551469.085	MD2889	Scrape	12/12/2014	Phaconeura `sp. WAM-PHAC001`	38
628964	668683.8095	7550417.159	MD3241	Scrape	12/12/2014	Phaconeura `sp. WAM-PHAC001`	1
678100	666714.5719	7549356.377	MD4754	Scrape	9/08/2019	Phaconeura `sp. WAM-PHAC001`	1
668549	666956.3326	7551523.048	MD0262	Trap 1	10/12/2011	Phaconeura `sp. WAM-PHAC001`	1
678661	658869.2257	7553138.44	MD2936	Scrape	8/08/2019	Phaconeura `sp. WAM-PHAC002`	1
678677	672560.2559	7549732.69	MD0398	Scrape	7/08/2019	Phaconeura `sp. WAM-PHAC002`	1
629029	658538.9134	7553837.15	MD0974	Net	11/12/2014	Atelurinae `MH1` (=B20)	2
629500	665480.9649	7552294.984	MD3087	Trap 2	10/02/2015	Atelurinae `MH1` (=B20)	1
668551	666956.3326	7551523.048	MD0262	Net	18/01/2012	Atelurinae `MH1` (=B20)	1
668861	655193.9947	7553630.304	MD0499	Trap 1	10/12/2011	Atelurinae `MH1` (=B20)	1
687890	663976.507	7552172.371	MD0307	Scrape	31/01/2020	Atelurinae `Phoenix-MH1`	3
688015	668605.0651	7550481.124	MD3207	Scrape	30/01/2020	Atelurinae `Phoenix-MH1`	1
677604	664124.1884	7549625.125	MD0305	Scrape	9/08/2019	Atelurinae `Phoenix-MH1`	1
566009	635197.2747	7558701.215	WF0187	Scrape	1/10/2008	Dodecastyla sp. B02 (=Atelurodes sp. S02)	1
566106	642097.9284	7557994.896	WF0156	Scrape	2/10/2008	Nicoletiinae `sp. indet.`	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
628982	663573.3358	7551302.918	MD0790	Scrape	13/12/2014	Trinemura `BZY102`	1
758761	685795.0582	7555420.788	MDWB0017	Net	13/12/2023	Trinemura `BZY114`	1
759171	685795.0582	7555420.788	MDWB0017	Net	20/01/2024	Trinemura `BZY114`	1
668620	660627.2048	7551620.167	MD0372	Trap 1	10/12/2011	Trinemura `MH2`	2
668755	656243.8096	7553374.075	MD0467	Trap 1	10/12/2011	Trinemura `MH2`	2
668862	655193.9947	7553630.304	MD0499	Trap 1	10/12/2011	Trinemura `MH2`	1
668917	656255.8325	7553752.64	MD0525	Trap 1	10/12/2011	Trinemura `MH2`	1
669041	652864.9996	7555178.948	MD0646	Scrape	21/10/2011	Trinemura `MH2`	1
705407	659816.3979	7553447.718	MD3851	Trap 1	6/05/2020	Trinemura `Phoenix-MH1`	1
745469	674420.5964	7555337.485	MDPZ7474	Net	22/11/2022	Trinemura `Phoenix-MH1`	2
757534	674420.5964	7555337.485	MDPZ7474	Net	9/11/2023	Trinemura `Phoenix-MH1`	2
761173	674420.5964	7555337.485	MDPZ7474	Net	9/11/2023	Trinemura `Phoenix-MH1`	1
668529	662888.5085	7552709.675	MD0253	Trap 1	10/12/2011	Trinemura `Phoenix-MH1`	1
668702	670533.0246	7548955.385	MD0427	Trap 1	10/12/2011	Trinemura `Phoenix-MH1`	1
668712	670189.3641	7548465.248	MD0430	Trap 1	10/12/2011	Trinemura `Phoenix-MH1`	1
668789	655914.6761	7552749.531	MD0476	Trap 1	10/12/2011	Trinemura `Phoenix-MH1`	1
668836	655580.0532	7553129.322	MD0487	Net	18/01/2012	Trinemura `Phoenix-MH1`	1
668916	656255.8325	7553752.64	MD0525	Trap 1	10/12/2011	Trinemura `Phoenix-MH1`	1
668533	662888.5085	7552709.675	MD0253	Trap 1	10/12/2011	Trinemura `sp. indet.`	1
668622	660627.2048	7551620.167	MD0372	Scrape	18/01/2012	Trinemura `sp. indet.`	1
668704	670533.0246	7548955.385	MD0427	Scrape	18/01/2012	Trinemura `sp. indet.`	1
668790	655914.6761	7552749.531	MD0476	Trap 1	10/12/2011	Trinemura `sp. indet.`	1
705323	657335.727	7550427.788	MD2983	Trap 1	6/05/2020	Trinemura `sp. indet.`	3
688102	656718.5409	7552252.108	MD1545	Scrape	31/01/2020	Trinemura `sp. indet.`	3
629037	659091.7067	7549442.294	MD3879	Net	11/12/2014	Trinemura `sp. indet.`	1
705425	659302.3455	7552712.175	MD3842	Trap 1	6/05/2020	Trinemura `sp. indet.`	2
687970	659244.788	7552631.927	MD3841	Scrape	31/01/2020	Trinemura `sp. indet.`	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
705364	663976.507	7552172.371	MD0307	Trap 1	6/05/2020	Trinemura `sp. indet.`	1
629097	660080.4649	7553947.734	MD2453	Scrape	15/12/2014	Trinemura `sp. new OTU 1`	1
688008	656728.032	7552789.039	MD1631	Scrape	31/01/2020	Trinemura `sp. new OTU 2`	1
677590	655054.2586	7552331.763	MD2309	Scrape	7/08/2019	Trinemura `sp. new OTU 2`	1
677612	659366.5914	7549492.65	MD3874	Scrape	8/08/2019	Trinemura `sp. new OTU 2`	1
679049	659366.5914	7549492.65	MD3874	Trap 1	2/10/2019	Trinemura `sp. new OTU 2`	1
679300	657460.5192	7552171.597	MD3812	Trap 1	3/10/2019	Trinemura `sp. new OTU 2`	1
628973	663227.8365	7552501.297	MD2674	Scrape	13/12/2014	Trinemura sp. B28	3
629094	659137.2002	7553315.103	MD2736	Scrape	15/12/2014	Trinemura sp. B28	1
688087	671518.537	7549653.327	MD0725	Scrape	30/01/2020	Trinemura sp. B28	1
628881	657348.6728	7553568.988	MD0882	Scrape	14/12/2014	Trinemura sp. B28	1
629082	655965.6144	7552995.944	MD0472	Scrape	14/12/2014	Trinemura sp. B28	1
688019	656341.2661	7553628.883	MD2059	Scrape	31/01/2020	Trinemura sp. B28	1
677597	658704.2675	7553251.944	MD2926	Scrape	8/08/2019	Trinemura sp. B28	1
628965	656255.8325	7553752.64	MD0525	Scrape	14/12/2014	Trinemura sp. B28	3
688276	645488.4018	7548035.508	Malay Bore	Net	21/02/2020	Bogidiella `BAM183`	1
741160	656636.5023	7546113.105	MDWB0038	Net	21/07/2022	Bogidiella `BAM183`	1
739488	609591.5692	7563603.236	MDWB0043	Net	20/07/2022	Bogidiella `BAM221`	1
733079	609591.5692	7563603.236	MDWB0043	Net	9/03/2022	Bogidiella `BAM221`	1
759165	632147.0977	7556770.804	MDWB0054	Net	19/01/2024	Bogidiella `sp. indet.`	1
759164	611837.9167	7557982.383	Rods Bore	Net	18/01/2024	Bogidiella `sp. indet.`	2
758997	632147.0977	7556770.804	MDWB0054	Net	10/12/2023	Bogidiella `sp. indet.`	1
745555	609591.5692	7563603.236	MDWB0043	Net	23/11/2022	Nedsia `sp. indet.`	1
759355	605042.1353	7575311.182	1475	Net	18/01/2024	Nedsia `sp. new OTU 1'	2
745551	607700.3239	7562350.914	MDWB0042	Net	23/11/2022	Nedsia `sp. new OTU 1'	1
741156	609591.5692	7563603.236	MDWB0043	Net	20/07/2022	Nedsia `sp. new OTU 1'	3
759148	609591.5692	7563603.236	MDWB0043	Net	18/01/2024	Nedsia `sp. new OTU 1'	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
733493	609591.5692	7563603.236	MDWB0043	Net	9/03/2022	Nedsia `sp. new OTU 1'	1
759006	609591.5692	7563603.236	MDWB0043	Net	9/12/2023	Nedsia `sp. new OTU 1'	3
759050	609591.5692	7563603.236	MDWB0043	Net	12/11/2023	Nedsia `sp. new OTU 1'	3
687948	604123.7004	7576072.231	The Pools	Net	2/02/2020	Nedsia `sp. new OTU 1'	3
733502	602114.681	7573844.7	UNK1	Net	9/03/2022	Nedsia `sp. new OTU 1'	1
741169	602114.681	7573844.7	UNK1	Net	20/07/2022	Nedsia `sp. new OTU 1'	1
733491	604123.6786	7576068.91	UNK2	Net	9/03/2022	Nedsia `sp. new OTU 1'	6
741163	607700.3239	7562350.914	MDWB0042	Net	20/07/2022	Pilbarana `sp. indet.`	1
733490	604123.6786	7576068.91	UNK2	Net	9/03/2022	Pilbarana `sp. new OTU 1`	2
739172	602114.681	7573844.7	UNK1	Net	20/07/2022	Pilbarana lowryi	1
733024	602114.681	7573844.7	UNK1	Net	9/03/2022	Pilbarana lowryi	1
739470	655601.9899	7546198.725	MD5821	Scrape	26/07/2022	Neoniphargidae `BAM176`	2
759043	607700.3239	7562350.914	MDWB0042	Net	8/12/2023	Neoniphargidae `BAM229`	1
761538	607700.3239	7562350.914	MDWB0042	Net	8/12/2023	Neoniphargidae `BAM229`	1
732873	655601.9899	7546198.725	MD5821	Scrape	4/03/2022	Neoniphargidae `sp. indet.`	1
739220	655200.6131	7546176.139	MD5825	Scrape	26/07/2022	Neoniphargidae `sp. indet.`	1
732934	651994.5981	7545017.324	MD5829	Scrape	5/03/2022	Neoniphargidae `sp. indet.`	1
739262	651994.5981	7545017.324	MD5829	Scrape	26/07/2022	Neoniphargidae `sp. indet.`	4
706947	656637.5113	7546110.881	MDCMB09	Net	2/02/2020	Neoniphargidae `sp. indet.`	1
688069	663199.4222	7547990.437	MDPB0013B	Net	2/02/2020	Neoniphargidae `sp. indet.`	2
684952	656638.5202	7546108.656	MDPZ7458C	Net	11/08/2019	Neoniphargidae `sp. indet.`	1
688165	656638.5202	7546108.656	MDPZ7458C	Net	2/02/2020	Neoniphargidae `sp. indet.`	1
741010	654385.8319	7546688.007	MDPZ9212S	Net	21/07/2022	Neoniphargidae `sp. indet.`	1
733477	656694.7866	7548123.333	MDWB0037	Net	5/03/2022	Neoniphargidae `sp. indet.`	1
741158	656636.5023	7546113.105	MDWB0038	Net	21/07/2022	Neoniphargidae `sp. indet.`	1
741168	651404.4086	7545085.057	Calamina Well	Net	21/07/2022	Chydaekata `BAM180`	12
741167	651404.4086	7545085.057	Calamina Well	Net	21/07/2022	Chydaekata `BAM180`	25

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
740618	655601.9899	7546198.725	MD5821	Trap 1	20/09/2022	Chydaekata `BAM180`	23
741175	651994.5981	7545017.324	MD5829	Scrape	26/07/2022	Chydaekata `BAM180`	1
739482	654002.3317	7546596.562	MD7049	Scrape	26/07/2022	Chydaekata `BAM180`	20
739270	649595.3757	7545796.713	MD7051	Scrape	26/07/2022	Chydaekata `BAM180`	1
706948	656637.5113	7546110.881	MDCMB09	Net	2/02/2020	Chydaekata `BAM180`	1
688054	656695.385	7548183.119	MDPZ7457C	Net	2/02/2020	Chydaekata `BAM180`	3
739076	656011.3998	7542996.838	MDPZ7461	Net	21/07/2022	Chydaekata `BAM180`	2
741171	656000.2963	7545396.414	MDPZ9211	Net	22/07/2022	Chydaekata `BAM180`	2
741008	654385.8319	7546688.007	MDPZ9212S	Net	21/07/2022	Chydaekata `BAM180`	8
688139	659543.4553	7549033.54	MDWB0036	Net	24/02/2020	Chydaekata `BAM180`	1
739151	656636.5023	7546113.105	MDWB0038	Net	21/07/2022	Chydaekata `BAM180`	3
706946	656637.5113	7546110.881	MDCMB09	Net	2/02/2020	Maarrka `BAM182`	2
741159	656636.5023	7546113.105	MDWB0038	Net	21/07/2022	Maarrka `BAM182`	1
706951	656519.6692	7542788.014	Unknown 5	Net	2/02/2020	Maarrka `BAM185`	1
741173	651994.5981	7545017.324	MD5829	Scrape	26/07/2022	Maarrka `BAM185`	1
740998	649595.3757	7545796.713	MD7051	Scrape	26/07/2022	Maarrka `sp. indet`	1
741007	605251.972	7570208.602	MDPZ5339	Net	20/07/2022	Molina `BAM217`	1
757609	609648.6066	7560972.473	MDPZ9221	Net	12/11/2023	Molina `BAM217`	1
759001	628028.2575	7559705.581	MDWB0025	Net	10/12/2023	Molina `BAM217`	1
741164	607700.3239	7562350.914	MDWB0042	Net	20/07/2022	Molina `BAM217`	2
759042	607700.3239	7562350.914	MDWB0042	Net	8/12/2023	Molina `BAM217`	4
759051	607700.3239	7562350.914	MDWB0042	Net	12/11/2023	Molina `BAM217`	9
758774	695317.0956	7552957.414	UNK5	Net	13/12/2023	Paramelitidae `BAM244`	3
758715	605042.1353	7575311.182	1475	Net	8/12/2023	Paramelitidae Genus 2 `BAM181`	11
759671	605042.1353	7575311.182	1475	Net	18/01/2024	Paramelitidae Genus 2 `BAM181`	8
733496	651404.4086	7545085.057	Calamina Well	Net	5/03/2022	Paramelitidae Genus 2 `BAM181`	39
739508	671043.226	7542130.75	Maddina Well	Net	22/07/2022	Paramelitidae Genus 2 `BAM181`	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
688060	671043.226	7542130.75	Maddina Well	Net	3/02/2020	Paramelitidae Genus 2 `BAM181`	1
706903	663170.2758	7551034.721	MD0314	Scrape	31/01/2020	Paramelitidae Genus 2 `BAM181`	1
733481	655601.9899	7546198.725	MD5821	Scrape	4/03/2022	Paramelitidae Genus 2 `BAM181`	1
733037	655200.6131	7546176.139	MD5825	Scrape	4/03/2022	Paramelitidae Genus 2 `BAM181`	1
739460	652792.7394	7544598.75	MD7046	Scrape	26/07/2022	Paramelitidae Genus 2 `BAM181`	1
688150	656637.5113	7546110.881	MDCMB09	Net	2/02/2020	Paramelitidae Genus 2 `BAM181`	45
706950	663199.4222	7547990.437	MDPB0013B	Net	2/02/2020	Paramelitidae Genus 2 `BAM181`	20
739498	605251.972	7570208.602	MDPZ5339	Net	20/07/2022	Paramelitidae Genus 2 `BAM181`	6
705269	656638.5202	7546108.656	MDPZ7458C	Net	2/02/2020	Paramelitidae Genus 2 `BAM181`	12
732900	654385.8319	7546688.007	MDPZ9212S	Net	5/03/2022	Paramelitidae Genus 2 `BAM181`	50
759160	660244.6371	7557803.827	MDWB0011	Net	18/01/2024	Paramelitidae Genus 2 `BAM181`	1
745578	614030.1539	7556649.214	MDWB0027	Net	24/11/2022	Paramelitidae Genus 2 `BAM181`	2
758986	614030.1539	7556649.214	MDWB0027	Net	12/11/2023	Paramelitidae Genus 2 `BAM181`	1
732985	608843.869	7559811.22	MDWB0028	Net	8/03/2022	Paramelitidae Genus 2 `BAM181`	1
705267	652859.6577	7555584.252	MDWB0033	Net	21/02/2020	Paramelitidae Genus 2 `BAM181`	1
705270	659543.4553	7549033.54	MDWB0036	Net	24/02/2020	Paramelitidae Genus 2 `BAM181`	28
733478	656694.7866	7548123.333	MDWB0037	Net	5/03/2022	Paramelitidae Genus 2 `BAM181`	1
741209	656694.7866	7548123.333	MDWB0037	Net	21/07/2022	Paramelitidae Genus 2 `BAM181`	9
733498	607700.3239	7562350.914	MDWB0042	Net	9/03/2022	Paramelitidae Genus 2 `BAM181`	7
758752	607700.3239	7562350.914	MDWB0042	Net	8/12/2023	Paramelitidae Genus 2 `BAM181`	10
759052	607700.3239	7562350.914	MDWB0042	Net	12/11/2023	Paramelitidae Genus 2 `BAM181`	31
757543	609591.5692	7563603.236	MDWB0043	Net	12/11/2023	Paramelitidae Genus 2 `BAM181`	5
759147	609591.5692	7563603.236	MDWB0043	Net	18/01/2024	Paramelitidae Genus 2 `BAM181`	2
733495	609591.5692	7563603.236	MDWB0043	Net	9/03/2022	Paramelitidae Genus 2 `BAM181`	10
758556	609591.5692	7563603.236	MDWB0043	Net	9/12/2023	Paramelitidae Genus 2 `BAM181`	11
733504	607100.1078	7567130.797	MDWB0046	Net	9/03/2022	Paramelitidae Genus 2 `BAM181`	2
758116	620447.2261	7557401.773	MDWB0057	Net	13/11/2023	Paramelitidae Genus 2 `BAM181`	5

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
759361	620447.2261	7557401.773	MDWB0057	Net	19/01/2024	Paramelitidae Genus 2 `BAM181`	1
732915	620447.2261	7557401.773	MDWB0057	Net	8/03/2022	Paramelitidae Genus 2 `BAM181`	12
739170	620447.2261	7557401.773	MDWB0057	Net	19/07/2022	Paramelitidae Genus 2 `BAM181`	6
745411	620447.2261	7557401.773	MDWB0057	Net	24/11/2022	Paramelitidae Genus 2 `BAM181`	160
758664	620447.2261	7557401.773	MDWB0057	Net	10/12/2023	Paramelitidae Genus 2 `BAM181`	5
732895	615640.7423	7558197.326	MDWB0058	Net	8/03/2022	Paramelitidae Genus 2 `BAM181`	10
758777	614224.4971	7559826.223	Mrd Bore	Net	9/12/2023	Paramelitidae Genus 2 `BAM181`	35
759153	614224.4971	7559826.223	Mrd Bore	Net	18/01/2024	Paramelitidae Genus 2 `BAM181`	51
688287	646718.5968	7551983.456	Old Station Bore	Net	24/02/2020	Paramelitidae Genus 2 `BAM181`	8
687873	666526.1467	7540482.038	Pipally Well	Net	3/02/2020	Paramelitidae Genus 2 `BAM181`	1
706906	604123.7004	7576072.231	The Pools	Net	2/02/2020	Paramelitidae Genus 2 `BAM181`	16
733503	602114.681	7573844.7	UNK1	Net	9/03/2022	Paramelitidae Genus 2 `BAM181`	1
732999	604123.6786	7576068.91	UNK2	Net	9/03/2022	Paramelitidae Genus 2 `BAM181`	24
741155	604123.6786	7576068.91	UNK2	Net	20/07/2022	Paramelitidae Genus 2 `BAM181`	4
706952	656519.6692	7542788.014	Unknown 5	Net	2/02/2020	Paramelitidae Genus 2 `BAM181`	40
706904	656695.385	7548183.119	MDPZ7457C	Net	2/02/2020	Paramelitidae Genus 2 `BAM181`	5
739209	615640.7423	7558197.326	MDWB0058	Net	19/07/2022	Paramelitidae Genus 2 `BAM181`	13
688098	605042.1353	7575311.182	1475	Net	2/02/2020	Paramelitidae Genus 2 `BAM181`	1
733035	652793.9054	7546195.405	MD5357	Scrape	4/03/2022	Paramelitidae Genus 2 `BAM181`	3
733482	655601.9899	7546198.725	MD5821	Scrape	4/03/2022	Paramelitidae Genus 2 `BAM181`	1
733046	647200.5084	7547390.597	MD5831	Scrape	4/03/2022	Paramelitidae Genus 2 `BAM181`	1
733474	654387.4373	7545388.063	MD7042	Scrape	4/03/2022	Paramelitidae Genus 2 `BAM181`	1
519435	675434.1872	7536782.092	MULGA1	Net	15/08/2005	Paramelitidae Genus 2 `BAM181`	4
574025	643194.1962	7556898.79	WF0122	Scrape	2/10/2008	Paramelitidae Genus 2 `BAM181`	1
574022	634403.8878	7558602.834	WF0189	Scrape	1/10/2008	Paramelitidae Genus 2 `BAM181`	1
566118	643188.9	7557110.313	WF0121	Scrape	2/10/2008	Paramelitidae Genus 2 `BAM181`	6
561301	641609.2132	7558500.861	WF0153	Net	23/10/2008	Paramelitidae Genus 2 `BAM181`	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
561300	641898.7585	7557994.48	WF0155	Net	23/10/2008	Paramelitidae Genus 2 `BAM181`	1
566105	642097.9284	7557994.896	WF0156	Scrape	2/10/2008	Paramelitidae Genus 2 `BAM181`	1
574024	640013.131	7559007.846	WF0164	Scrape	1/10/2008	Paramelitidae Genus 2 `BAM181`	1
566005	635197.2747	7558701.215	WF0187	Scrape	1/10/2008	Paramelitidae Genus 2 `BAM181`	1
566131	634404.5209	7558797.688	WF0190	Scrape	1/10/2008	Paramelitidae Genus 2 `BAM181`	1
626010	639200.6356	7558623.116	INM004	Net	19/06/2014	Paramelitidae Genus 2 `BAM181`	2
626234	639200.6356	7558623.116	INM004	Net	23/07/2014	Paramelitidae Genus 2 `BAM181`	3
672478	639200.6356	7558623.116	INM004	Net	8/02/2019	Paramelitidae Genus 2 `BAM181`	7
626318	635199.6893	7558501.905	WF0186	Net	23/07/2014	Paramelitidae Genus 2 `BAM181`	3
678554	651403.5491	7545102.781	Calamina Bore	Net	10/08/2019	Paramelitidae Genus 2 `BAM181`	41
628966	656255.8325	7553752.64	MD0525	Scrape	14/12/2014	Paramelitidae Genus 2 `BAM181`	1
629019	657392.0941	7550185.836	MD0706	Net	11/12/2014	Paramelitidae Genus 2 `BAM181`	3
629105	659517.7819	7552795.246	MD1295	Net	11/12/2014	Paramelitidae Genus 2 `BAM181`	2
629103	656845.3414	7553378.04	MD1702	Scrape	14/12/2014	Paramelitidae Genus 2 `BAM181`	5
629106	672573.3856	7548302.95	MD3586	Net	10/12/2014	Paramelitidae Genus 2 `BAM181`	7
628959	657074.733	7552485.501	MD4613	Scrape	14/12/2014	Paramelitidae Genus 2 `BAM181`	3
688085	655861.8056	7551997.117	MD4646	Scrape	1/02/2020	Paramelitidae Genus 2 `BAM181`	1
733506	648008.3982	7546996.553	MD5359	Scrape	5/03/2022	Paramelitidae Genus 2 `BAM181`	1
688113	632050.2563	7559000.307	MD5382	Net	22/02/2020	Paramelitidae Genus 2 `BAM181`	4
733469	654384.6655	7544585.322	MD7043	Scrape	4/03/2022	Paramelitidae Genus 2 `BAM181`	2
733484	652792.7394	7544598.75	MD7046	Scrape	4/03/2022	Paramelitidae Genus 2 `BAM181`	3
740999	649595.3757	7545796.713	MD7051	Scrape	26/07/2022	Paramelitidae Genus 2 `BAM181`	14
629104	655700.6475	7552805.912	MDH75	Scrape	14/12/2014	Paramelitidae Genus 2 `BAM181`	8
684950	651176.3653	7549445.39	MDPZ7453S	Net	10/08/2019	Paramelitidae Genus 2 `BAM181`	8
678491	656695.385	7548183.119	MDPZ7457C	Net	10/08/2019	Paramelitidae Genus 2 `BAM181`	20
684951	656638.5202	7546108.656	MDPZ7458C	Net	11/08/2019	Paramelitidae Genus 2 `BAM181`	9
741157	656011.3998	7542996.838	MDPZ7461	Net	21/07/2022	Paramelitidae Genus 2 `BAM181`	20

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
739258	656000.2963	7545396.414	MDPZ9211	Net	22/07/2022	Paramelitidae Genus 2 `BAM181`	24
741162	656636.5023	7546113.105	MDWB0038	Net	21/07/2022	Paramelitidae Genus 2 `BAM181`	9
688079	675422.888	7536785.541	One Tank Well	Net	3/02/2020	Paramelitidae Genus 2 `BAM181`	1
688066	666460.3384	7532590.738	WB18KRP0004	Net	3/02/2020	Paramelitidae Genus 2 `BAM181`	1
648253	684344.5398	7533427.741	Salt Well	Net	27/04/2008	Paramelitidae Genus 2 `BAM181`	26
741154	655200.6131	7546176.139	MD5825	Scrape	26/07/2022	Paramelitidae Genus 2 `BAM211`	1
733505	655200.6131	7546176.139	MD5825	Scrape	4/03/2022	Paramelitidae Genus 2 `BAM211`	1
741153	655200.6131	7546176.139	MD5825	Scrape	26/07/2022	Paramelitidae Genus 2 `BAM211`	3
733476	651994.5981	7545017.324	MD5829	Scrape	5/03/2022	Paramelitidae Genus 2 `BAM211`	3
741172	651994.5981	7545017.324	MD5829	Scrape	26/07/2022	Paramelitidae Genus 2 `BAM211`	5
733473	654387.4373	7545388.063	MD7042	Scrape	4/03/2022	Paramelitidae Genus 2 `BAM211`	1
741151	654387.4373	7545388.063	MD7042	Scrape	26/07/2022	Paramelitidae Genus 2 `BAM211`	2
733487	653600.4992	7546212.972	MD7048	Scrape	4/03/2022	Paramelitidae Genus 2 `BAM211`	6
739448	653600.4992	7546212.972	MD7048	Scrape	26/07/2022	Paramelitidae Genus 2 `BAM211`	1
741150	654002.3317	7546596.562	MD7049	Scrape	26/07/2022	Paramelitidae Genus 2 `BAM211`	2
733472	654002.3317	7546596.562	MD7049	Scrape	4/03/2022	Paramelitidae Genus 2 `BAM211`	1
733499	654385.8319	7546688.007	MDPZ9212S	Net	5/03/2022	Paramelitidae Genus 2 `BAM211`	3
733479	656694.7866	7548123.333	MDWB0037	Net	5/03/2022	Paramelitidae Genus 2 `BAM211`	10
740158	656694.7866	7548123.333	MDWB0037	Net	21/07/2022	Paramelitidae Genus 2 `BAM211`	2
741161	656636.5023	7546113.105	MDWB0038	Net	21/07/2022	Paramelitidae Genus 2 `BAM211`	1
745550	607700.3239	7562350.914	MDWB0042	Net	23/11/2022	Paramelitidae Genus 2 `BAM211`	3
759648	632147.0977	7556770.804	MDWB0054	Net	19/01/2024	Paramelitidae sp. B42	1
741165	607700.3239	7562350.914	MDWB0042	Net	20/07/2022	Paramelitidae sp. B46	1
741170	602114.681	7573844.7	UNK1	Net	20/07/2022	Paramelitidae sp. B46	2
758710	602114.681	7573844.7	UNK1	Net	8/12/2023	Paramelitidae sp. B46	1
668577	663170.2758	7551034.721	MD0314	Scrape	18/01/2012	Paramelitidae sp. B47	1
668635	657939.3643	7554032.538	MD0385	Net	21/10/2011	Paramelitidae sp. B47	45

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
668688	672717.4781	7547900.497	MD0415	Scrape	21/10/2011	Paramelitidae sp. B47	1
668689	672717.4781	7547900.497	MD0415	Scrape	21/10/2011	Paramelitidae sp. B47	1
668693	671509.5688	7548269.237	MD0420	Net	21/10/2011	Paramelitidae sp. B47	1
668694	671509.5688	7548269.237	MD0420	Net	21/10/2011	Paramelitidae sp. B47	1
668743	656121.2041	7552872.598	MD0462	Net	21/10/2011	Paramelitidae sp. B47	1
668756	656243.8096	7553374.075	MD0467	Net	18/01/2012	Paramelitidae sp. B47	1
668832	655580.0532	7553129.322	MD0487	Net	21/10/2011	Paramelitidae sp. B47	1
668850	655370.3825	7553522.262	MD0495	Net	21/10/2011	Paramelitidae sp. B47	1
668859	655193.9947	7553630.304	MD0499	Net	21/10/2011	Paramelitidae sp. B47	1
668874	657356.4459	7553212.369	MD0509	Net	21/10/2011	Paramelitidae sp. B47	1
668912	656255.8325	7553752.64	MD0525	Net	21/10/2011	Paramelitidae sp. B47	1
668931	657464.3015	7553370.734	MD0533	Net	21/10/2011	Paramelitidae sp. B47	1
668942	656416.2637	7552768.897	MD0552	Net	21/10/2011	Paramelitidae sp. B47	1
668957	655495.5174	7554802.123	MD0577	Net	21/10/2011	Paramelitidae sp. B47	1
668998	656090.7595	7552819.752	MD0596	Net	18/01/2012	Paramelitidae sp. B47	1
669004	656099.3607	7552751.016	MD0599	Net	21/10/2011	Paramelitidae sp. B47	1
669015	656167.5548	7552761.41	MD0601	Net	18/01/2012	Paramelitidae sp. B47	1
669020	657377.9133	7552575.473	MD0609	Net	21/10/2011	Paramelitidae sp. B47	1
669029	656955.5916	7553363.65	MD0612	Net	21/10/2011	Paramelitidae sp. B47	1
741152	654384.6655	7544585.322	MD7043	Scrape	26/07/2022	Paramelitidae sp. B47	2
669057	655581.6454	7553498.024	MDH0143	Net	21/10/2011	Paramelitidae sp. B47	1
669071	636101.6066	7535502.446	Pyramid Pool	Karaman-Chappuis	18/02/2012	Paramelitidae sp. B47	11
706945	631336.6136	7559552.103	Astas Bore	Net	23/02/2020	Paramelitidae sp. B47	11
684949	656627.0162	7542697.248	Browns Bore	Net	10/08/2019	Paramelitidae sp. B47	1
687916	656627.0162	7542697.248	Browns Bore	Net	2/02/2020	Paramelitidae sp. B47	1
739199	651404.4086	7545085.057	Calamina Well	Net	21/07/2022	Paramelitidae sp. B47	2
687997	671125.6486	7529653.171	Company	Net	3/02/2020	Paramelitidae sp. B47	12

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
678538	680218.6373	7538630.006	Ebathacalby bore	Net	12/08/2019	Paramelitidae sp. B47	1
757703	614349.9493	7552252.877	LF-MB0041	Net	14/11/2023	Paramelitidae sp. B47	1
757611	614349.9493	7552252.877	LF-PB004	Net	13/11/2023	Paramelitidae sp. B47	1
757701	618277.0012	7551607.097	LF-PB006	Net	14/11/2023	Paramelitidae sp. B47	11
688022	663170.2758	7551034.721	MD0314	Scrape	31/01/2020	Paramelitidae sp. B47	6
677581	657680.2092	7552987.664	MD0383	Scrape	7/08/2019	Paramelitidae sp. B47	2
678082	672211.3688	7549243.757	MD0401	Scrape	7/08/2019	Paramelitidae sp. B47	9
628878	657348.6728	7553568.988	MD0882	Scrape	14/12/2014	Paramelitidae sp. B47	2
628915	656533.9742	7553295.889	MD1173	Scrape	14/12/2014	Paramelitidae sp. B47	1
628813	659517.7819	7552795.246	MD1295	Net	11/12/2014	Paramelitidae sp. B47	19
688024	657396.7552	7553116.739	MD1458	Scrape	31/01/2020	Paramelitidae sp. B47	19
678549	657289.1342	7552878.648	MD1556	Scrape	7/08/2019	Paramelitidae sp. B47	6
628957	656845.3414	7553378.04	MD1702	Scrape	14/12/2014	Paramelitidae sp. B47	63
628954	657013.6347	7553699.679	MD1709	Scrape	14/12/2014	Paramelitidae sp. B47	12
688169	656604.6459	7553554.285	MD2023	Scrape	1/02/2020	Paramelitidae sp. B47	5
687972	656470.2804	7553530.158	MD2038	Scrape	31/01/2020	Paramelitidae sp. B47	2
688158	656535.6685	7553362.309	MD2120	Scrape	1/02/2020	Paramelitidae sp. B47	3
677607	654593.936	7553147.927	MD2633	Scrape	7/08/2019	Paramelitidae sp. B47	13
628860	658859.3142	7552770.924	MD2946	Net	11/12/2014	Paramelitidae sp. B47	2
688030	657335.727	7550427.788	MD2983	Scrape	30/01/2020	Paramelitidae sp. B47	8
628801	665314.0047	7549963.634	MD3154	Net	11/12/2014	Paramelitidae sp. B47	32
629079	665201.8908	7549798.719	MD3155	Scrape	12/12/2014	Paramelitidae sp. B47	1
628805	672573.3856	7548302.95	MD3586	Net	10/12/2014	Paramelitidae sp. B47	9
703240	657653.5484	7552798.589	MD3805	Scrape	31/01/2020	Paramelitidae sp. B47	5
688186	659302.3455	7552712.175	MD3842	Scrape	31/01/2020	Paramelitidae sp. B47	1
688175	659211.5819	7552409.701	MD3853	Scrape	31/01/2020	Paramelitidae sp. B47	12
687958	658981.3049	7552083.175	MD3855	Scrape	31/01/2020	Paramelitidae sp. B47	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
628795	659561.6576	7552037.419	MD3865	Scrape	13/12/2014	Paramelitidae sp. B47	1
677613	659366.5914	7549492.65	MD3874	Scrape	8/08/2019	Paramelitidae sp. B47	7
688081	659203.7622	7549608.356	MD3878	Scrape	30/01/2020	Paramelitidae sp. B47	2
628839	659113.6525	7553333.059	MD4164	Scrape	15/12/2014	Paramelitidae sp. B47	1
628846	659118.9877	7553146.982	MD4182	Scrape	15/12/2014	Paramelitidae sp. B47	1
628872	667167.0568	7550870.804	MD4504	Scrape	12/12/2014	Paramelitidae sp. B47	4
678075	657120.2549	7552395.356	MD4622	Scrape	7/08/2019	Paramelitidae sp. B47	4
732978	648008.3982	7546996.553	MD5359	Scrape	5/03/2022	Paramelitidae sp. B47	44
739219	648008.3982	7546996.553	MD5359	Scrape	26/07/2022	Paramelitidae sp. B47	2
759214	632050.2563	7559000.307	MD5382	Net	19/01/2024	Paramelitidae sp. B47	10
758985	632050.2563	7559000.307	MD5382	Net	14/11/2023	Paramelitidae sp. B47	13
758747	632050.2563	7559000.307	MD5382	Net	12/12/2023	Paramelitidae sp. B47	5
741180	655601.9899	7546198.725	MD5821	Trap 1	20/09/2022	Paramelitidae sp. B47	1
733475	651994.5981	7545017.324	MD5829	Scrape	5/03/2022	Paramelitidae sp. B47	5
741174	651994.5981	7545017.324	MD5829	Scrape	26/07/2022	Paramelitidae sp. B47	1
739179	647200.5084	7547390.597	MD5831	Scrape	26/07/2022	Paramelitidae sp. B47	1
739439	647201.2793	7546595.599	MD5832	Scrape	26/07/2022	Paramelitidae sp. B47	21
733055	647201.2793	7546595.599	MD5832	Scrape	4/03/2022	Paramelitidae sp. B47	10
733085	643200.1	7550196.841	MD5844	Scrape	4/03/2022	Paramelitidae sp. B47	6
757886	667502.3302	7548555.126	MD6143	Scrape	9/11/2023	Paramelitidae sp. B47	2
678036	667223.6316	7550952.143	MD6362	Scrape	8/08/2019	Paramelitidae sp. B47	45
732944	654384.6655	7544585.322	MD7043	Scrape	4/03/2022	Paramelitidae sp. B47	39
739326	654384.6655	7544585.322	MD7043	Scrape	26/07/2022	Paramelitidae sp. B47	20
740846	654384.6655	7544585.322	MD7043	Trap 1	20/09/2022	Paramelitidae sp. B47	9
733483	652792.7394	7544598.75	MD7046	Scrape	4/03/2022	Paramelitidae sp. B47	11
733486	653600.4992	7546212.972	MD7048	Scrape	4/03/2022	Paramelitidae sp. B47	6
733471	654002.3317	7546596.562	MD7049	Scrape	4/03/2022	Paramelitidae sp. B47	29

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
732990	649595.3757	7545796.713	MD7051	Scrape	5/03/2022	Paramelitidae sp. B47	38
733048	643189.1098	7548205.075	MD7063	Scrape	4/03/2022	Paramelitidae sp. B47	1
628905	655700.6475	7552805.912	MDH75	Scrape	14/12/2014	Paramelitidae sp. B47	7
688138	656724.0169	7548158.473	MDPB0014	Net	2/02/2020	Paramelitidae sp. B47	19
739279	651324.6792	7545796.684	MDPB0015	Net	21/07/2022	Paramelitidae sp. B47	4
687876	655271.1455	7552356.192	MDPZ2475	Net	1/02/2020	Paramelitidae sp. B47	3
732970	627240.8749	7559454.007	MDPZ5110	Net	8/03/2022	Paramelitidae sp. B47	1
741179	656011.3998	7542996.838	MDPZ7461	Net	21/07/2022	Paramelitidae sp. B47	10
739234	654385.8319	7546688.007	MDPZ9212S	Net	21/07/2022	Paramelitidae sp. B47	16
732949	649609.8164	7544611.825	MDPZ9213	Net	5/03/2022	Paramelitidae sp. B47	7
739283	649609.8164	7544611.825	MDPZ9213	Net	21/07/2022	Paramelitidae sp. B47	2
758988	632853.6402	7556252.235	MDPZ9217	Net	14/11/2023	Paramelitidae sp. B47	22
739087	622035.1324	7555799.717	MDPZ9218	Net	19/07/2022	Paramelitidae sp. B47	4
678046	654387.6281	7543737.126	MDUNK01	Net	13/08/2019	Paramelitidae sp. B47	3
732976	610841.9188	7556184.916	MDWB0030	Net	8/03/2022	Paramelitidae sp. B47	6
739085	610841.9188	7556184.916	MDWB0030	Net	19/07/2022	Paramelitidae sp. B47	4
757535	610841.9188	7556184.916	MDWB0030	Net	13/11/2023	Paramelitidae sp. B47	16
758682	610841.9188	7556184.916	MDWB0030	Net	9/12/2023	Paramelitidae sp. B47	21
745143	608628.8678	7556025.458	MDWB0032	Net	24/11/2022	Paramelitidae sp. B47	6
688297	652859.6577	7555584.252	MDWB0033	Net	21/02/2020	Paramelitidae sp. B47	1
745410	608631.955	7556024.33	MDWB0040	Net	24/11/2022	Paramelitidae sp. B47	11
746790	608631.955	7556024.33	MDWB0040	Trap 1	20/03/2023	Paramelitidae sp. B47	4
733488	631336.6413	7559555.424	MDWB0053	Net	8/03/2022	Paramelitidae sp. B47	13
741177	631336.6413	7559555.424	MDWB0053	Net	20/07/2022	Paramelitidae sp. B47	2
757600	631336.6413	7559555.424	MDWB0053	Net	10/11/2023	Paramelitidae sp. B47	2
758576	631336.6413	7559555.424	MDWB0053	Net	10/12/2023	Paramelitidae sp. B47	7
687941	632147.0977	7556770.804	MDWB0054	Net	22/02/2020	Paramelitidae sp. B47	16

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
757850	632147.0977	7556770.804	MDWB0054	Net	10/11/2023	Paramelitidae sp. B47	3
758563	632147.0977	7556770.804	MDWB0054	Net	10/12/2023	Paramelitidae sp. B47	9
741011	620447.2261	7557401.773	MDWB0057	Net	19/07/2022	Paramelitidae sp. B47	6
745140	615640.7423	7558197.326	MDWB0058	Net	24/11/2022	Paramelitidae sp. B47	3
757963	626564.5693	7556588.686	MDWB0067	Net	10/11/2023	Paramelitidae sp. B47	18
758743	626564.5693	7556588.686	MDWB0067	Net	10/12/2023	Paramelitidae sp. B47	35
739144	654389.6134	7543729.356	MWUNK1	Net	21/07/2022	Paramelitidae sp. B47	2
736213	673453.8539	7548172.518	UNK3	Net	19/05/2022	Paramelitidae sp. B47	1
739124	673453.8539	7548172.518	UNK3	Net	23/07/2022	Paramelitidae sp. B47	3
688272	635198.9684	7558898.275	WF0188	Net	22/02/2020	Paramelitidae sp. B47	9
688118	634404.5209	7558797.688	WF0190	Net	22/02/2020	Paramelitidae sp. B47	3
758984	610046.355	7558819.786	MDPZ9220	Net	12/11/2023	Pilbarus millsi	1
761537	610046.355	7558819.786	MDPZ9220	Net	12/11/2023	Pilbarus millsi	1
687923	631336.6136	7559552.103	Astas Bore	Net	23/02/2020	Pilbarus millsi	3
678030	656627.0162	7542697.248	Browns Bore	Net	10/08/2019	Pilbarus millsi	1
732987	656604.5804	7542721.833	Browns Well	Net	5/03/2022	Pilbarus millsi	1
684948	651403.5491	7545102.781	Calamina Bore	Net	10/08/2019	Pilbarus millsi	3
733070	651404.4086	7545085.057	Calamina Well	Net	5/03/2022	Pilbarus millsi	1
745152	648008.3982	7546996.553	MD5359	Net	22/11/2022	Pilbarus millsi	1
758989	632050.2563	7559000.307	MD5382	Net	12/12/2023	Pilbarus millsi	1
758706	627239.0259	7559480.593	MD5438	Net	12/12/2023	Pilbarus millsi	1
733480	655601.9899	7546198.725	MD5821	Scrape	4/03/2022	Pilbarus millsi	1
757594	630850.309	7559400.048	MD6605	Net	10/11/2023	Pilbarus millsi	11
758573	630850.309	7559400.048	MD6605	Net	12/12/2023	Pilbarus millsi	6
732960	654387.4373	7545388.063	MD7042	Scrape	4/03/2022	Pilbarus millsi	2
733470	654384.6655	7544585.322	MD7043	Scrape	4/03/2022	Pilbarus millsi	1
741178	652792.7394	7544598.75	MD7046	Scrape	26/07/2022	Pilbarus millsi	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
732879	652792.7394	7544598.75	MD7046	Scrape	4/03/2022	Pilbarus millsi	17
732965	653600.4992	7546212.972	MD7048	Scrape	4/03/2022	Pilbarus millsi	4
732954	654002.3317	7546596.562	MD7049	Scrape	4/03/2022	Pilbarus millsi	1
732910	668133.3954	7551902.465	MD7308	Net	11/03/2022	Pilbarus millsi	1
706949	656637.5113	7546110.881	MDCMB09	Net	2/02/2020	Pilbarus millsi	3
739092	607647.731	7562206.25	MDPZ5296	Net	20/07/2022	Pilbarus millsi	4
733067	607647.731	7562206.25	MDPZ5296	Net	9/03/2022	Pilbarus millsi	26
678050	651176.3653	7549445.39	MDPZ7453S	Net	10/08/2019	Pilbarus millsi	2
678515	656638.5202	7546108.656	MDPZ7458C	Net	11/08/2019	Pilbarus millsi	2
733500	654385.8319	7546688.007	MDPZ9212S	Net	5/03/2022	Pilbarus millsi	20
759528	618439.6205	7555798.454	MDPZ9219	Net	18/01/2024	Pilbarus millsi	2
758121	618439.6205	7555798.454	MDPZ9219	Net	14/11/2023	Pilbarus millsi	3
759041	609648.6066	7560972.473	MDPZ9221	Net	12/11/2023	Pilbarus millsi	2
732916	628028.2575	7559705.581	MDWB0025	Net	8/03/2022	Pilbarus millsi	5
739071	628028.2575	7559705.581	MDWB0025	Net	20/07/2022	Pilbarus millsi	2
757854	628028.2575	7559705.581	MDWB0025	Net	10/11/2023	Pilbarus millsi	12
758771	628028.2575	7559705.581	MDWB0025	Net	10/12/2023	Pilbarus millsi	27
759362	628028.2575	7559705.581	MDWB0025	Net	19/01/2024	Pilbarus millsi	16
745416	614030.1539	7556649.214	MDWB0027	Net	24/11/2022	Pilbarus millsi	3
732983	614030.1539	7556649.214	MDWB0027	Net	8/03/2022	Pilbarus millsi	35
758719	614030.1539	7556649.214	MDWB0027	Net	9/12/2023	Pilbarus millsi	9
758987	614030.1539	7556649.214	MDWB0027	Net	12/11/2023	Pilbarus millsi	17
759210	614030.1539	7556649.214	MDWB0027	Net	18/01/2024	Pilbarus millsi	23
732896	656694.7866	7548123.333	MDWB0037	Net	5/03/2022	Pilbarus millsi	2
733497	607700.3239	7562350.914	MDWB0042	Net	9/03/2022	Pilbarus millsi	2
745552	607700.3239	7562350.914	MDWB0042	Net	23/11/2022	Pilbarus millsi	4
759044	607700.3239	7562350.914	MDWB0042	Net	8/12/2023	Pilbarus millsi	7

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
733494	609591.5692	7563603.236	MDWB0043	Net	9/03/2022	Pilbarus millsi	1
746788	609591.5692	7563603.236	MDWB0043	Trap 1	20/03/2023	Pilbarus millsi	4
733012	607100.1078	7567130.797	MDWB0046	Net	9/03/2022	Pilbarus millsi	3
739291	607100.1078	7567130.797	MDWB0046	Net	20/07/2022	Pilbarus millsi	1
739094	631336.6413	7559555.424	MDWB0053	Net	20/07/2022	Pilbarus millsi	4
732877	631336.6413	7559555.424	MDWB0053	Net	8/03/2022	Pilbarus millsi	5
706905	604123.7004	7576072.231	The Pools	Net	2/02/2020	Pilbarus millsi	1
733492	604123.6786	7576068.91	UNK2	Net	9/03/2022	Pilbarus millsi	1
687936	656519.6692	7542788.014	Unknown 5	Net	2/02/2020	Pilbarus millsi	11
626072	635199.6893	7558501.905	WF0186	Net	19/06/2014	Pilbarus millsi	1
706944	635198.9684	7558898.275	WF0188	Net	22/02/2020	Pilbarus millsi	1
626043	639197.4224	7558609.858	WF0167	Net	19/06/2014	Pilbarus sp. B06 (=Pilbarus sp. FLO)	2
705411	669147.8331	7551164.038	MD3028	Trap 1	6/05/2020	Buddelundia sp. B57	7
629501	665480.9649	7552294.984	MD3087	Trap 2	10/02/2015	Buddelundia sp. B57	1
629489	667277.7382	7552252.671	MD3771	Trap 1	11/02/2015	Buddelundia sp. B57	1
758786	667083.3498	7548052.446	MDRC2104	Scrape	11/11/2023	Buddelundia sp. B57	1
705351	658435.4586	7552685.521	MD0350	Trap 1	6/05/2020	Troglarmadillo `BIS392`	13
761174	666141.2343	7547915.199	MDRC1351	Scrape	11/11/2023	Troglarmadillo `BIS562`	1
757779	666141.2343	7547915.199	MDRC1351	Scrape	11/11/2023	Troglarmadillo `BIS562`	2
668758	656243.8096	7553374.075	MD0467	Scrape	18/01/2012	Troglarmadillo `MH1`	1
678221	655682.3976	7552006.649	MD2166	Scrape	6/08/2019	Troglarmadillo `sp. indet.`	1
677614	659366.5914	7549492.65	MD3874	Scrape	8/08/2019	Troglarmadillo `sp. indet.`	1
629508	668237.7717	7552495.981	MD4001	Trap 1	11/02/2015	Troglarmadillo `sp. indet.`	1
678669	663431.4896	7550066.431	MD4414	Scrape	9/08/2019	Troglarmadillo `sp. indet.`	1
626042	639197.4224	7558609.858	WF0167	Net	19/06/2014	Troglarmadillo `sp. indet.`	1
562874	644792.2568	7556302.866	WF0138	Trap 1	2/12/2008	Troglarmadillo sp. B04	1
565008	644792.2568	7556302.866	WF0138	Trap 1	2/12/2008	Troglarmadillo sp. B05	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
688161	655277.5211	7552374.952	MD1082	Scrape	1/02/2020	Troglarmadillo sp. B54	1
705428	654857.1519	7553266.022	MD1791	Trap 1	6/05/2020	Troglarmadillo sp. B54	27
688028	654857.1519	7553266.022	MD1791	Scrape	1/02/2020	Troglarmadillo sp. B54	17
628842	659375.42	7549853.535	MD2971	Scrape	13/12/2014	Troglarmadillo sp. B54	1
679299	657460.5192	7552171.597	MD3812	Trap 1	3/10/2019	Troglarmadillo sp. B54	20
677617	657460.5192	7552171.597	MD3812	Scrape	7/08/2019	Troglarmadillo sp. B54	20
684356	671234.6931	7550582.173	MD4554	Trap 1	3/10/2019	Troglarmadillo sp. B54	1
705320	655861.8056	7551997.117	MD4646	Trap 1	6/05/2020	Troglarmadillo sp. B54	80
688086	655861.8056	7551997.117	MD4646	Scrape	1/02/2020	Troglarmadillo sp. B54	1
678571	655932.0593	7552007.491	MD4656	Scrape	6/08/2019	Troglarmadillo sp. B54	2
678503	666797.9132	7548077.637	MD4814	Scrape	8/08/2019	Troglarmadillo sp. B54	2
688182	667191.0618	7548287.157	MD4824	Scrape	30/01/2020	Troglarmadillo sp. B54	29
679331	665223.1574	7549663.403	MD4969	Trap 1	3/10/2019	Troglarmadillo sp. B54	8
629669	658800.2918	7552138.158	MD0676	Trap 1	10/02/2015	Troglarmadillo sp. B55	2
629539	665482.4836	7551070.278	MD3549	Trap 1	11/02/2015	Troglarmadillo sp. B55	1
758569	621254.489	7557852.801	MDPZ5163	Net	10/12/2023	Microcerberidae `BIS389`	1
759535	621254.489	7557852.801	MDPZ5163	Net	19/01/2024	Microcerberidae `BIS389`	2
757614	632853.6402	7556252.235	MDPZ9217	Net	14/11/2023	Microcerberidae `BIS389`	2
739119	615397.5968	7558529.022	MDWB0023	Net	19/07/2022	Microcerberidae `BIS389`	4
757969	611249.7061	7558992.88	MDWB0026	Net	12/11/2023	Microcerberidae `BIS389`	2
758724	611249.7061	7558992.88	MDWB0026	Net	9/12/2023	Microcerberidae `BIS389`	10
758566	632147.0977	7556770.804	MDWB0054	Net	10/12/2023	Microcerberidae `BIS389`	1
687953	604123.7004	7576072.231	The Pools	Net	2/02/2020	Microcerberidae `BIS389`	1
628917	671446.054	7551042.734	MD4542	Scrape	12/12/2014	nr Andricophiloscia sp. B18	1
562910	634404.5209	7558797.688	WF0190	Trap 1	2/12/2008	Philosciidae sp. B07	1
758578	618439.6205	7555798.454	MDPZ9219	Net	12/12/2023	Pygolabis `BIS563`	1
688140	656724.0169	7548158.473	MDPB0014	Net	2/02/2020	Pygolabis `MH1`	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
678514	656638.5202	7546108.656	MDPZ7458C	Net	11/08/2019	Pygolabis `MH1`	5
668471	656627.0162	7542697.248	Browns Bore	Net	10/12/2011	Pygolabis `sp. indet.`	1
687968	679413.599	7534520.834	FV0001R	Net	20/02/2020	Pygolabis `sp. indet.`	2
732933	651994.5981	7545017.324	MD5829	Scrape	5/03/2022	Pygolabis `sp. indet.`	3
739261	651994.5981	7545017.324	MD5829	Scrape	26/07/2022	Pygolabis `sp. indet.`	3
739475	654387.4373	7545388.063	MD7042	Scrape	26/07/2022	Pygolabis `sp. indet.`	2
732959	654387.4373	7545388.063	MD7042	Scrape	4/03/2022	Pygolabis `sp. indet.`	1
732943	654384.6655	7544585.322	MD7043	Scrape	4/03/2022	Pygolabis `sp. indet.`	1
733485	652792.7394	7544598.75	MD7046	Scrape	4/03/2022	Pygolabis `sp. indet.`	1
732953	654002.3317	7546596.562	MD7049	Scrape	4/03/2022	Pygolabis `sp. indet.`	2
688152	656637.5113	7546110.881	MDCMB09	Net	2/02/2020	Pygolabis `sp. indet.`	3
688164	656638.5202	7546108.656	MDPZ7458C	Net	2/02/2020	Pygolabis `sp. indet.`	1
678524	661372.8193	7546490.159	MDPZ7470C	Net	11/08/2019	Pygolabis `sp. indet.`	1
745413	607700.3239	7562350.914	MDWB0042	Net	23/11/2022	Mangkurtu `BSPE004`	4
739173	602114.681	7573844.7	UNK1	Net	20/07/2022	Mangkurtu `BSPE004`	7
758983	607700.3239	7562350.914	MDWB0042	Net	8/12/2023	Mangkurtu `BSPE004`	15
733017	607700.3239	7562350.914	MDWB0042	Net	9/03/2022	Mangkurtu `BSPE004`	16
733489	604123.6786	7576068.91	UNK2	Net	9/03/2022	Mangkurtu `BSPE004`	3
733501	602114.681	7573844.7	UNK1	Net	9/03/2022	Mangkurtu `BSPE004`	2
739188	607700.3239	7562350.914	MDWB0042	Net	20/07/2022	Mangkurtu `BSPE004`	5
739513	604123.6786	7576068.91	UNK2	Net	20/07/2022	Mangkurtu `BSPE004`	6
757604	607700.3239	7562350.914	MDWB0042	Net	12/11/2023	Mangkurtu `BSPE004`	16
688149	654985.5497	7557600.768	Horaces Well	Net	21/02/2020	Bathynellidae `BSY246`	1
648257	684344.5398	7533427.741	Salt Well	Net	22/03/2009	Bathynellidae `sp. indet.`	2
687965	629657.7662	7559828.417	md_hyp2	Karaman-Chappuis	22/02/2020	Bathynellidae `sp. indet.`	4
688286	680635.1968	7544785.708	md_kar2	Bou Rouche	20/02/2020	Bathynellidae `sp. indet.`	1
668524	662888.5085	7552709.675	MD0253	Net	21/10/2011	Bathynellidae `sp. indet.`	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
668680	671118.6639	7549781.722	MD0408	Net	21/10/2011	Bathynellidae `sp. indet.`	1
668854	655370.3825	7553522.262	MD0495	Net	18/01/2012	Bathynellidae `sp. indet.`	1
668918	656255.8325	7553752.64	MD0525	Net	18/01/2012	Bathynellidae `sp. indet.`	1
669061	655581.6454	7553498.024	MDH0143	Net	18/01/2012	Bathynellidae `sp. indet.`	1
759367	628028.2575	7559705.581	MDWB0025	Net	19/01/2024	Pilbaranella `BSY377`	2
759354	689440.1703	7557130.334	MDWB0065	Net	20/01/2024	Pilbaranella `BSY378`	1
761172	628028.2575	7559705.581	MDWB0025	Net	10/12/2023	Pilbaranella `BSY380`	1
758772	628028.2575	7559705.581	MDWB0025	Net	10/12/2023	Pilbaranella `BSY380`	1
668473	670507.7986	7549765.128	md_kar6	Karaman-Chappuis	18/01/2012	Pilbaranella `MH1`	1
668863	655193.9947	7553630.304	MD0499	Net	18/01/2012	Pilbaranella `MH1`	1
668961	655495.5174	7554802.123	MD0577	Net	18/01/2012	Pilbaranella `MH1`	1
668747	656121.2041	7552872.598	MD0462	Net	18/01/2012	Pilbaranella `MH2`	3
597775	670533.0246	7548955.385	MD0427	Net	18/01/2012	Pilbaranella `sp. indet.`	1
739072	628028.2575	7559705.581	MDWB0025	Net	20/07/2022	Pilbaranella `sp. indet.`	2
629034	658538.9134	7553837.15	MD0974	Net	11/12/2014	Pilbaranella sp. B18	1
668476	668649.3815	7551148.369	md_kar7	Karaman-Chappuis	18/01/2012	Atopobathynella sp. B09 (Parabathynellidae `MH1`)	1
668477	668649.3815	7551148.369	md_kar7	Karaman-Chappuis	18/01/2012	Atopobathynella sp. B09 (Parabathynellidae `MH1`)	1
597776	670293.1656	7548620.255	MD0429	Net	18/01/2012	Atopobathynella sp. B09 (Parabathynellidae `MH1`)	8
687907	651404.4086	7545085.057	Calamina Well	Net	21/02/2020	Billibathynella `BSY238`	1
628861	658859.3142	7552770.924	MD2946	Net	11/12/2014	Billibathynella `sp. indet.`	1
628803	665314.0047	7549963.634	MD3154	Net	11/12/2014	Billibathynella `sp. indet.`	10
628891	662088.2111	7549546.665	MD3946	Scrape	13/12/2014	Billibathynella `sp. indet.`	2
739327	654384.6655	7544585.322	MD7043	Scrape	26/07/2022	Billibathynella `sp. indet.`	7
732948	654384.6655	7544585.322	MD7043	Scrape	4/03/2022	Billibathynella `sp. indet.`	3
739461	652792.7394	7544598.75	MD7046	Scrape	26/07/2022	Billibathynella `sp. indet.`	1
732972	653600.4992	7546212.972	MD7048	Scrape	4/03/2022	Billibathynella `sp. indet.`	1
733462	654002.3317	7546596.562	MD7049	Scrape	4/03/2022	Billibathynella `sp. indet.`	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
733050	643189.1098	7548205.075	MD7063	Scrape	4/03/2022	Billibathynella `sp. indet.`	2
739237	643189.1098	7548205.075	MD7063	Scrape	26/07/2022	Billibathynella `sp. indet.`	5
739225	643202.5263	7548995.499	MD7064	Scrape	26/07/2022	Billibathynella `sp. indet.`	2
628835	655271.1455	7552356.192	MDPZ2475	Net	10/12/2014	Billibathynella `sp. indet.`	1
759049	632147.0977	7556770.804	MDWB0054	Net	10/12/2023	Billibathynella `sp. indet.`	1
740163	656694.7866	7548123.333	MDWB0037	Net	21/07/2022	Billibathynella sp. `BSY244`	1
759047	611249.7061	7558992.88	MDWB0026	Net	9/12/2023	Billibathynella sp. B08	3
688273	635198.9684	7558898.275	WF0188	Net	22/02/2020	Billibathynella sp. B08	1
629061	667540.9176	7552454.717	MD3737	Scrape	12/12/2014	Billibathynella sp. B10	1
758575	631336.6413	7559555.424	MDWB0053	Net	10/12/2023	Billibathynella sp. B10	1
745331	643189.1098	7548205.075	MD7063	Net	23/11/2022	Billibathynella sp. B11	34
741027	656636.5023	7546113.105	MDWB0038	Net	21/07/2022	Brevisomabathynella `BSY233`	1
687999	671125.6486	7529653.171	Company	Net	3/02/2020	Brevisomabathynella `BSY247`	4
574023	634403.8878	7558602.834	WF0189	Scrape	1/10/2008	Brevisomabathynella sp. B02	2
561299	634404.5209	7558797.688	WF0190	Net	22/10/2008	Brevisomabathynella sp. B02	2
758558	609591.5692	7563603.236	MDWB0043	Net	9/12/2023	Hexabathynella `BSY234`	3
739531	609591.5692	7563603.236	MDWB0043	Net	20/07/2022	Hexabathynella `BSY234`	1
759169	632147.0977	7556770.804	MDWB0054	Net	19/01/2024	Hexabathynella `BSY234`	1
668474	670507.7986	7549765.128	md_kar6	Karaman-Chappuis	18/01/2012	nr Billibathynella `MH2` (Parabathynellidae `MH2`)	1
668660	673074.4718	7548377.149	MD0396	Net	18/01/2012	nr Billibathynella `MH2` (Parabathynellidae `MH2`)	1
668878	657356.4459	7553212.369	MD0509	Net	18/01/2012	nr Billibathynella `MH2` (Parabathynellidae `MH2`)	1
597774	657464.3015	7553370.734	MD0533	Net	18/01/2012	nr Billibathynella `MH2` (Parabathynellidae `MH2`)	1
668952	655523.7209	7552546.353	MD0562	Net	18/01/2012	nr Billibathynella `MH2` (Parabathynellidae `MH2`)	1
668920	656255.8325	7553752.64	MD0525	Net	18/01/2012	Parabathynellidae `MH3`	2
687875	655271.1455	7552356.192	MDPZ2475	Net	1/02/2020	Parabathynellidae `sp. indet.`	1
688116	632050.2563	7559000.307	MD5382	Net	22/02/2020	Cyclopoida `sp. indet.`	1
687877	655271.1455	7552356.192	MDPZ2475	Net	1/02/2020	Cyclopoida `sp. indet.`	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
648259	684344.5398	7533427.741	Salt Well	Net	22/03/2009	Cyclopoida `sp. indet.`	2
678568	645555.6027	7554385.875	Two Mile Well	Net	13/08/2019	Cyclopoida `sp. indet.`	1
561297	634404.5209	7558797.688	WF0190	Net	22/10/2008	Anzcyclops sp. B05	2
597758	676486.2913	7548253.796	md_kar4	Karaman-Chappuis	18/01/2012	Australocyclops `sp. indet.`	1
597748	668649.3815	7551148.369	md_kar7	Karaman-Chappuis	18/01/2012	Australocyclops `sp. indet.`	2
597743	673421.3076	7548866.086	MD0393	Net	18/01/2012	Australocyclops `sp. indet.`	1
597739	670293.1656	7548620.255	MD0429	Net	18/01/2012	Australocyclops `sp. indet.`	61
703235	632960.1595	7552991.867	Marnamoonah Well	Net	23/02/2020	Cyclopidae `sp. indet.`	3
741013	661761.9445	7548118.301	Robinsons Well	Net	22/07/2022	Cyclopidae `sp. indet.`	2
688300	651403.5491	7545102.781	Calamina Bore	Net	21/02/2020	Diacyclops `sp. indet.`	8
739200	651404.4086	7545085.057	Calamina Well	Net	21/07/2022	Diacyclops `sp. indet.`	17
733428	651404.4086	7545085.057	Calamina Well	Net	5/03/2022	Diacyclops `sp. indet.`	26
646689	680110.1861	7538522.733	Ebathacalby Well	Net	25/07/1997	Diacyclops `sp. indet.`	4
646690	680110.1861	7538522.733	Ebathacalby Well	Net	2/09/2000	Diacyclops `sp. indet.`	5
758692	690187.8778	7557591.97	Farwicks Well	Net	13/12/2023	Diacyclops `sp. indet.`	1
687967	679413.599	7534520.834	FV0001R	Net	20/02/2020	Diacyclops `sp. indet.`	1
678062	645485.4934	7548055.465	Malay Well	Net	10/08/2019	Diacyclops `sp. indet.`	1
597732	665739.7594	7551889.189	MD0259	Net	18/01/2012	Diacyclops `sp. indet.`	2
597731	657939.3643	7554032.538	MD0385	Net	18/01/2012	Diacyclops `sp. indet.`	3
629038	657939.3643	7554032.538	MD0385	Net	11/12/2014	Diacyclops `sp. indet.`	15
597752	671118.6639	7549781.722	MD0408	Net	18/01/2012	Diacyclops `sp. indet.`	1
594522	656121.2041	7552872.598	MD0462	Scrape	21/10/2011	Diacyclops `sp. indet.`	10
594532	656121.2041	7552872.598	MD0462	Net	21/10/2011	Diacyclops `sp. indet.`	40
597745	656121.2041	7552872.598	MD0462	Net	18/01/2012	Diacyclops `sp. indet.`	55
597733	656243.8096	7553374.075	MD0467	Net	18/01/2012	Diacyclops `sp. indet.`	56
594520	655580.0532	7553129.322	MD0487	Scrape	21/10/2011	Diacyclops `sp. indet.`	7
597746	655580.0532	7553129.322	MD0487	Net	18/01/2012	Diacyclops `sp. indet.`	15

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
597747	655370.3825	7553522.262	MD0495	Net	18/01/2012	Diacyclops `sp. indet.`	5
594528	655370.3825	7553522.262	MD0495	Scrape	21/10/2011	Diacyclops `sp. indet.`	1
597764	657356.4459	7553212.369	MD0509	Net	18/01/2012	Diacyclops `sp. indet.`	1
594521	656255.8325	7553752.64	MD0525	Scrape	21/10/2011	Diacyclops `sp. indet.`	38
594523	656255.8325	7553752.64	MD0525	Net	21/10/2011	Diacyclops `sp. indet.`	60
597727	656255.8325	7553752.64	MD0525	Net	18/01/2012	Diacyclops `sp. indet.`	71
597734	656416.2637	7552768.897	MD0552	Net	18/01/2012	Diacyclops `sp. indet.`	3
594534	656416.2637	7552768.897	MD0552	Net	21/10/2011	Diacyclops `sp. indet.`	5
594533	656090.7595	7552819.752	MD0596	Scrape	21/10/2011	Diacyclops `sp. indet.`	6
597738	656090.7595	7552819.752	MD0596	Net	18/01/2012	Diacyclops `sp. indet.`	37
597762	656099.3607	7552751.016	MD0599	Net	18/01/2012	Diacyclops `sp. indet.`	1
594524	656167.5548	7552761.41	MD0601	Scrape	21/10/2011	Diacyclops `sp. indet.`	50
594535	656167.5548	7552761.41	MD0601	Net	21/10/2011	Diacyclops `sp. indet.`	100
597741	656167.5548	7552761.41	MD0601	Net	18/01/2012	Diacyclops `sp. indet.`	92
594525	656955.5916	7553363.65	MD0612	Net	21/10/2011	Diacyclops `sp. indet.`	17
594529	656955.5916	7553363.65	MD0612	Scrape	21/10/2011	Diacyclops `sp. indet.`	17
629021	657392.0941	7550185.836	MD0706	Net	11/12/2014	Diacyclops `sp. indet.`	1
628883	657348.6728	7553568.988	MD0882	Scrape	14/12/2014	Diacyclops `sp. indet.`	5
628886	655380.4039	7553388.185	MD1284	Scrape	14/12/2014	Diacyclops `sp. indet.`	33
678552	657289.1342	7552878.648	MD1556	Scrape	7/08/2019	Diacyclops `sp. indet.`	10
628955	656845.3414	7553378.04	MD1702	Scrape	14/12/2014	Diacyclops `sp. indet.`	45
628950	657013.6347	7553699.679	MD1709	Scrape	14/12/2014	Diacyclops `sp. indet.`	1
688174	656604.6459	7553554.285	MD2023	Scrape	1/02/2020	Diacyclops `sp. indet.`	1
688048	656527.848	7553612.629	MD2040	Scrape	31/01/2020	Diacyclops `sp. indet.`	14
628876	656167.4181	7552644.041	MD2355	Scrape	14/12/2014	Diacyclops `sp. indet.`	4
628858	658859.3142	7552770.924	MD2946	Net	11/12/2014	Diacyclops `sp. indet.`	25
628884	673686.4849	7548501.04	MD3575	Scrape	10/12/2014	Diacyclops `sp. indet.`	2

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
628893	667919.2321	7551075.371	MD3661	Scrape	12/12/2014	Diacyclops `sp. indet.`	76
629090	668167.8197	7552130.205	MD3730	Scrape	12/12/2014	Diacyclops `sp. indet.`	7
629060	667540.9176	7552454.717	MD3737	Scrape	12/12/2014	Diacyclops `sp. indet.`	6
703241	657653.5484	7552798.589	MD3805	Scrape	31/01/2020	Diacyclops `sp. indet.`	14
688188	659302.3455	7552712.175	MD3842	Scrape	31/01/2020	Diacyclops `sp. indet.`	3
628840	659113.6525	7553333.059	MD4164	Scrape	15/12/2014	Diacyclops `sp. indet.`	4
678076	657120.2549	7552395.356	MD4622	Scrape	7/08/2019	Diacyclops `sp. indet.`	8
733436	652793.9054	7546195.405	MD5357	Scrape	4/03/2022	Diacyclops `sp. indet.`	1
739334	648008.3982	7546996.553	MD5359	Scrape	26/07/2022	Diacyclops `sp. indet.`	1
745154	648008.3982	7546996.553	MD5359	Net	22/11/2022	Diacyclops `sp. indet.`	15
741016	651994.5981	7545017.324	MD5829	Scrape	26/07/2022	Diacyclops `sp. indet.`	3
739468	646400.8253	7545800.371	MD5835	Scrape	26/07/2022	Diacyclops `sp. indet.`	1
739456	643592.8364	7552197.292	MD5838	Scrape	26/07/2022	Diacyclops `sp. indet.`	5
745155	643592.8364	7552197.292	MD5838	Net	23/11/2022	Diacyclops `sp. indet.`	8
733425	654387.4373	7545388.063	MD7042	Scrape	4/03/2022	Diacyclops `sp. indet.`	1
741024	654387.4373	7545388.063	MD7042	Scrape	26/07/2022	Diacyclops `sp. indet.`	1
739231	654384.6655	7544585.322	MD7043	Scrape	26/07/2022	Diacyclops `sp. indet.`	14
733426	654384.6655	7544585.322	MD7043	Scrape	4/03/2022	Diacyclops `sp. indet.`	3
733433	652792.7394	7544598.75	MD7046	Scrape	4/03/2022	Diacyclops `sp. indet.`	15
739465	652792.7394	7544598.75	MD7046	Scrape	26/07/2022	Diacyclops `sp. indet.`	6
733423	654002.3317	7546596.562	MD7049	Scrape	4/03/2022	Diacyclops `sp. indet.`	1
628946	655700.6475	7552805.912	MDH75	Scrape	14/12/2014	Diacyclops `sp. indet.`	15
628827	655646.231	7552208.53	MDPB0001	Net	10/12/2014	Diacyclops `sp. indet.`	27
706907	663199.4222	7547990.437	MDPB0013B	Net	2/02/2020	Diacyclops `sp. indet.`	5
739275	651324.6792	7545796.684	MDPB0015	Net	21/07/2022	Diacyclops `sp. indet.`	13
739281	606444.4175	7560997.782	MDPZ5018	Net	20/07/2022	Diacyclops `sp. indet.`	1
733432	627240.8749	7559454.007	MDPZ5110	Net	8/03/2022	Diacyclops `sp. indet.`	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
759847	621254.489	7557852.801	MDPZ5163	Net	19/01/2024	Diacyclops `sp. indet.`	1
739533	605251.972	7570208.602	MDPZ5339	Net	20/07/2022	Diacyclops `sp. indet.`	4
733429	654392.3776	7546201.854	MDPZ5355	Net	5/03/2022	Diacyclops `sp. indet.`	13
741017	656000.2963	7545396.414	MDPZ9211	Net	22/07/2022	Diacyclops `sp. indet.`	3
733435	654385.8319	7546688.007	MDPZ9212S	Net	5/03/2022	Diacyclops `sp. indet.`	40
741022	654385.8319	7546688.007	MDPZ9212S	Net	21/07/2022	Diacyclops `sp. indet.`	11
732951	649609.8164	7544611.825	MDPZ9213	Net	5/03/2022	Diacyclops `sp. indet.`	17
739285	649609.8164	7544611.825	MDPZ9213	Net	21/07/2022	Diacyclops `sp. indet.`	12
732931	622035.1324	7555799.717	MDPZ9218	Net	8/03/2022	Diacyclops `sp. indet.`	5
739088	622035.1324	7555799.717	MDPZ9218	Net	19/07/2022	Diacyclops `sp. indet.`	5
758122	618439.6205	7555798.454	MDPZ9219	Net	14/11/2023	Diacyclops `sp. indet.`	14
758579	618439.6205	7555798.454	MDPZ9219	Net	12/12/2023	Diacyclops `sp. indet.`	19
759848	618439.6205	7555798.454	MDPZ9219	Net	18/01/2024	Diacyclops `sp. indet.`	40
757608	609648.6066	7560972.473	MDPZ9221	Net	12/11/2023	Diacyclops `sp. indet.`	16
758733	609648.6066	7560972.473	MDPZ9221	Net	12/12/2023	Diacyclops `sp. indet.`	19
757598	614030.1539	7556649.214	MDWB0027	Net	12/11/2023	Diacyclops `sp. indet.`	1
741214	656694.7866	7548123.333	MDWB0037	Net	21/07/2022	Diacyclops `sp. indet.`	3
741020	656636.5023	7546113.105	MDWB0038	Net	21/07/2022	Diacyclops `sp. indet.`	2
741018	607700.3239	7562350.914	MDWB0042	Net	20/07/2022	Diacyclops `sp. indet.`	4
745415	607700.3239	7562350.914	MDWB0042	Net	23/11/2022	Diacyclops `sp. indet.`	3
757603	607700.3239	7562350.914	MDWB0042	Net	12/11/2023	Diacyclops `sp. indet.`	22
745426	609591.5692	7563603.236	MDWB0043	Net	23/11/2022	Diacyclops `sp. indet.`	8
733430	609591.5692	7563603.236	MDWB0043	Net	9/03/2022	Diacyclops `sp. indet.`	21
741014	609591.5692	7563603.236	MDWB0043	Net	20/07/2022	Diacyclops `sp. indet.`	15
757545	609591.5692	7563603.236	MDWB0043	Net	12/11/2023	Diacyclops `sp. indet.`	6
758557	609591.5692	7563603.236	MDWB0043	Net	9/12/2023	Diacyclops `sp. indet.`	16
759151	609591.5692	7563603.236	MDWB0043	Net	18/01/2024	Diacyclops `sp. indet.`	12

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
739171	620447.2261	7557401.773	MDWB0057	Net	19/07/2022	Diacyclops `sp. indet.`	10
758118	620447.2261	7557401.773	MDWB0057	Net	13/11/2023	Diacyclops `sp. indet.`	15
758665	620447.2261	7557401.773	MDWB0057	Net	10/12/2023	Diacyclops `sp. indet.`	15
739212	615640.7423	7558197.326	MDWB0058	Net	19/07/2022	Diacyclops `sp. indet.`	25
745141	615640.7423	7558197.326	MDWB0058	Net	24/11/2022	Diacyclops `sp. indet.`	20
759350	689440.1703	7557130.334	MDWB0065	Net	20/01/2024	Diacyclops `sp. indet.`	15
759156	614224.4971	7559826.223	Mrd Bore	Net	18/01/2024	Diacyclops `sp. indet.`	10
688289	646718.5968	7551983.456	Old Station Bore	Net	24/02/2020	Diacyclops `sp. indet.`	22
597720	636101.6066	7535502.446	Pyramid Pool	Karaman-Chappuis	18/02/2012	Diacyclops `sp. indet.`	1
739218	661761.9445	7548118.301	Robinsons Well	Net	22/07/2022	Diacyclops `sp. indet.`	1
739115	684488.6291	7533585.505	Salt Well	Net	24/07/2022	Diacyclops `sp. indet.`	6
706857	604123.7004	7576072.231	The Pools	Net	2/02/2020	Diacyclops `sp. indet.`	20
733030	602114.681	7573844.7	UNK1	Net	9/03/2022	Diacyclops `sp. indet.`	1
733004	604123.6786	7576068.91	UNK2	Net	9/03/2022	Diacyclops `sp. indet.`	10
739516	604123.6786	7576068.91	UNK2	Net	20/07/2022	Diacyclops `sp. indet.`	14
739185	695317.0956	7552957.414	UNK5	Net	25/07/2022	Diacyclops `sp. indet.`	4
688067	666460.3384	7532590.738	WB18KRP0004	Net	3/02/2020	Diacyclops `sp. indet.`	12
687959	658981.3049	7552083.175	MD3855	Scrape	31/01/2020	Diacyclops `sp. indet.`	1
678073	644807.7713	7548262.155	MDPZ7462C	Net	10/08/2019	Diacyclops `sp. indet.`	1
759337	689388.6574	7536684.012	Tuckanoona Well	Net	20/01/2024	Diacyclops `sp. indet.`	7
745579	648008.3982	7546996.553	MD5359	Net	22/11/2022	Diacyclops cockingi	1
740159	656694.7866	7548123.333	MDWB0037	Net	21/07/2022	Diacyclops cockingi	18
678557	651403.5491	7545102.781	Calamina Bore	Net	10/08/2019	Diacyclops einslei	11
739471	655601.9899	7546198.725	MD5821	Scrape	26/07/2022	Diacyclops einslei	1
733427	655601.9899	7546198.725	MD5821	Scrape	4/03/2022	Diacyclops einslei	3
733424	651994.5981	7545017.324	MD5829	Scrape	5/03/2022	Diacyclops einslei	2
732966	653600.4992	7546212.972	MD7048	Scrape	4/03/2022	Diacyclops einslei	6

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
684708	656695.385	7548183.119	MDPZ7457C	Net	10/08/2019	Diacyclops einslei	2
678518	656638.5202	7546108.656	MDPZ7458C	Net	11/08/2019	Diacyclops einslei	3
706856	656638.5202	7546108.656	MDPZ7458C	Net	2/02/2020	Diacyclops einslei	1
739152	656636.5023	7546113.105	MDWB0038	Net	21/07/2022	Diacyclops einslei	2
678051	651176.3653	7549445.39	MDPZ7453S	Net	10/08/2019	Diacyclops reidae	1
670930	651403.5491	7545102.781	Calamina Bore	Net	3/09/2000	Diacyclops scanloni	5
741292	651404.4086	7545085.057	Calamina Well	Net	21/07/2022	Diacyclops scanloni	8
733073	651404.4086	7545085.057	Calamina Well	Net	5/03/2022	Diacyclops scanloni	7
646691	680110.1861	7538522.733	Ebathacalby Well	Net	2/09/2000	Diacyclops scanloni	9
733034	652793.9054	7546195.405	MD5357	Scrape	4/03/2022	Diacyclops scanloni	12
739450	652793.9054	7546195.405	MD5357	Scrape	26/07/2022	Diacyclops scanloni	4
732870	655601.9899	7546198.725	MD5821	Scrape	4/03/2022	Diacyclops scanloni	28
741023	655601.9899	7546198.725	MD5821	Scrape	26/07/2022	Diacyclops scanloni	21
733038	655200.6131	7546176.139	MD5825	Scrape	4/03/2022	Diacyclops scanloni	10
739335	655200.6131	7546176.139	MD5825	Scrape	26/07/2022	Diacyclops scanloni	2
732935	651994.5981	7545017.324	MD5829	Scrape	5/03/2022	Diacyclops scanloni	12
739263	651994.5981	7545017.324	MD5829	Scrape	26/07/2022	Diacyclops scanloni	17
687878	667502.3302	7548555.126	MD6143	Net	3/02/2020	Diacyclops scanloni	1
732961	654387.4373	7545388.063	MD7042	Scrape	4/03/2022	Diacyclops scanloni	7
739478	654387.4373	7545388.063	MD7042	Scrape	26/07/2022	Diacyclops scanloni	7
732947	654384.6655	7544585.322	MD7043	Scrape	4/03/2022	Diacyclops scanloni	1
732880	652792.7394	7544598.75	MD7046	Scrape	4/03/2022	Diacyclops scanloni	12
733434	653600.4992	7546212.972	MD7048	Scrape	4/03/2022	Diacyclops scanloni	19
739445	653600.4992	7546212.972	MD7048	Scrape	26/07/2022	Diacyclops scanloni	24
732955	654002.3317	7546596.562	MD7049	Scrape	4/03/2022	Diacyclops scanloni	15
739485	654002.3317	7546596.562	MD7049	Scrape	26/07/2022	Diacyclops scanloni	15
688153	656637.5113	7546110.881	MDCMB09	Net	2/02/2020	Diacyclops scanloni	9

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
688070	663199.4222	7547990.437	MDPB0013B	Net	2/02/2020	Diacyclops scanloni	30
688142	656724.0169	7548158.473	MDPB0014	Net	2/02/2020	Diacyclops scanloni	7
732889	654392.3776	7546201.854	MDPZ5355	Net	5/03/2022	Diacyclops scanloni	1
739494	654392.3776	7546201.854	MDPZ5355	Net	21/07/2022	Diacyclops scanloni	11
688056	656695.385	7548183.119	MDPZ7457C	Net	2/02/2020	Diacyclops scanloni	3
688166	656638.5202	7546108.656	MDPZ7458C	Net	2/02/2020	Diacyclops scanloni	5
739260	656000.2963	7545396.414	MDPZ9211	Net	22/07/2022	Diacyclops scanloni	1
739235	654385.8319	7546688.007	MDPZ9212S	Net	21/07/2022	Diacyclops scanloni	14
732901	654385.8319	7546688.007	MDPZ9212S	Net	5/03/2022	Diacyclops scanloni	14
759530	618439.6205	7555798.454	MDPZ9219	Net	18/01/2024	Diacyclops scanloni	2
732899	656694.7866	7548123.333	MDWB0037	Net	5/03/2022	Diacyclops scanloni	14
741021	656636.5023	7546113.105	MDWB0038	Net	21/07/2022	Diacyclops scanloni	15
739189	607700.3239	7562350.914	MDWB0042	Net	20/07/2022	Diacyclops scanloni	1
745580	607700.3239	7562350.914	MDWB0042	Net	23/11/2022	Diacyclops scanloni	1
739489	609591.5692	7563603.236	MDWB0043	Net	20/07/2022	Diacyclops scanloni	3
733080	609591.5692	7563603.236	MDWB0043	Net	9/03/2022	Diacyclops scanloni	4
648247	684344.5398	7533427.741	Salt Well	Net	27/04/2008	Diacyclops scanloni	65
687952	604123.7004	7576072.231	The Pools	Net	2/02/2020	Diacyclops scanloni	2
684712	651403.5491	7545102.781	Calamina Bore	Net	10/08/2019	Diacyclops sobeprolatus	10
677582	657680.2092	7552987.664	MD0383	Scrape	7/08/2019	Diacyclops sobeprolatus	3
677610	654593.936	7553147.927	MD2633	Scrape	7/08/2019	Diacyclops sobeprolatus	20
677599	658704.2675	7553251.944	MD2926	Scrape	8/08/2019	Diacyclops sobeprolatus	4
677627	666787.0636	7550158.414	MD6153	Scrape	8/08/2019	Diacyclops sobeprolatus	1
706855	656724.0169	7548158.473	MDPB0014	Net	2/02/2020	Diacyclops sobeprolatus	7
684704	651176.3653	7549445.39	MDPZ7453S	Net	10/08/2019	Diacyclops sobeprolatus	9
678493	656695.385	7548183.119	MDPZ7457C	Net	10/08/2019	Diacyclops sobeprolatus	17
706852	656695.385	7548183.119	MDPZ7457C	Net	2/02/2020	Diacyclops sobeprolatus	2

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
757852	632147.0977	7556770.804	MDWB0054	Net	10/11/2023	Diacyclops sobeprolatus	6
758559	632147.0977	7556770.804	MDWB0054	Net	10/12/2023	Diacyclops sobeprolatus	2
678757	684344.5398	7533427.741	Salt Well	Net	12/08/2019	Diacyclops sobeprolatus	2
706910	651403.5491	7545102.781	Calamina Bore	Net	21/02/2020	Dussartcyclops sp. B11	2
688065	671043.226	7542130.75	Maddina Well	Net	3/02/2020	Dussartcyclops sp. B11	3
628850	658820.1845	7553899.636	MD0355	Scrape	15/12/2014	Dussartcyclops sp. B11	24
597744	673421.3076	7548866.086	MD0393	Net	18/01/2012	Dussartcyclops sp. B11	1
597737	669203.6404	7549166.909	MD0439	Net	18/01/2012	Dussartcyclops sp. B11	1
629033	658538.9134	7553837.15	MD0974	Net	11/12/2014	Dussartcyclops sp. B11	3
628852	660052.4544	7554135.15	MD3414	Scrape	15/12/2014	Dussartcyclops sp. B11	2
759537	626249.7456	7559399.992	MD5461	Net	19/01/2024	Dussartcyclops sp. B11	3
741025	654384.6655	7544585.322	MD7043	Scrape	26/07/2022	Dussartcyclops sp. B11	1
688294	660374.5534	7557893.3	md_hyp1	Bou Rouche	21/02/2020	Mesocyclops `BCY098`	80
597756	683964.6345	7552458.959	md_kar1	Karaman-Chappuis	18/01/2012	Mesocyclops `BCY098`	1
705275	680635.1968	7544785.708	md_kar2	Bou Rouche	20/02/2020	Mesocyclops `BCY098`	18
688219	680635.1968	7544785.708	md_kar2	Karaman-Chappuis	20/02/2020	Mesocyclops `BCY098`	20
597754	677732.9107	7548303.922	md_kar3	Karaman-Chappuis	18/01/2012	Mesocyclops `BCY098`	4
597759	676486.2913	7548253.796	md_kar4	Karaman-Chappuis	18/01/2012	Mesocyclops `BCY098`	4
597750	670507.7986	7549765.128	md_kar6	Karaman-Chappuis	18/01/2012	Mesocyclops `BCY098`	1
597726	670533.0246	7548955.385	MD0427	Net	18/01/2012	Mesocyclops `BCY098`	31
597728	655856.1174	7554540.556	MD0585	Net	18/01/2012	Mesocyclops `BCY098`	3
677619	666182.2746	7547894.832	MD6225	Scrape	8/08/2019	Mesocyclops `BCY098`	22
687924	663200.4304	7547988.212	MDPZ7460C	Net	20/02/2020	Mesocyclops `BCY098`	1
597717	661110.7796	7538985.348	Yampire Bore	Net	10/12/2011	Mesocyclops `BCY098`	3
688208	643694.1835	7553801.811	md_hyp4	Bou Rouche	21/02/2020	Mesocyclops `BCY098`	25
597749	668649.3815	7551148.369	md_kar7	Karaman-Chappuis	18/01/2012	Mesocyclops `sp. indet.`	20
597763	656099.3607	7552751.016	MD0599	Net	18/01/2012	Mesocyclops `sp. indet.`	2

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
677629	666542.7746	7549109.056	MD4757	Scrape	9/08/2019	Mesocyclops `sp. indet.`	7
758660	613928.5438	7551606.086	Mt King Well	Net	9/12/2023	Mesocyclops `sp. indet.`	4
706853	675422.888	7536785.541	One Tank Well	Net	3/02/2020	Mesocyclops `sp. indet.`	1
733025	661761.9445	7548118.301	Robinsons Well	Net	5/03/2022	Mesocyclops `sp. indet.`	1
520114	675434.1872	7536782.092	MULGA1	Net	23/06/2004	Mesocyclops `sp. indet.`	10
670931	651403.5491	7545102.781	Calamina Bore	Net	3/09/2000	Mesocyclops brooksi	7
732967	627240.8749	7559454.007	MDPZ5110	Net	8/03/2022	Mesocyclops brooksi	1
758041	615397.5968	7558529.022	MDWB0023	Net	13/11/2023	Mesocyclops brooksi	1
745144	608628.8678	7556025.458	MDWB0032	Net	24/11/2022	Mesocyclops brooksi	5
745409	608631.955	7556024.33	MDWB0040	Net	24/11/2022	Mesocyclops brooksi	12
646695	675792.4064	7541586.323	Munjong Well	Net	1/01/2000	Mesocyclops brooksi	1
646698	670798.0354	7538006.313	Silver Grass Well	Net	1/01/2000	Mesocyclops brooksi	2
678507	632960.1595	7552991.867	Marnamoonah Well	Net	13/08/2019	Mesocyclops notius	11
629113	661793.1154	7553237.009	MD0247	Net	11/12/2014	Mesocyclops notius	7
628819	661761.9445	7548118.301	Robinsons Well	Net	11/12/2014	Mesocyclops notius	100
597725	656627.0162	7542697.248	Browns Bore	Net	10/12/2011	Microcyclops varicans	1
678032	656627.0162	7542697.248	Browns Bore	Net	10/08/2019	Microcyclops varicans	1
687914	656627.0162	7542697.248	Browns Bore	Net	2/02/2020	Microcyclops varicans	5
597724	651403.5491	7545102.781	Calamina Bore	Net	10/12/2011	Microcyclops varicans	9
687905	651404.4086	7545085.057	Calamina Well	Net	21/02/2020	Microcyclops varicans	19
646692	680110.1861	7538522.733	Ebathacalby Well	Net	2/09/2000	Microcyclops varicans	1
646694	671043.226	7542130.75	Maddina Well	Net	1/01/2000	Microcyclops varicans	1
732892	671043.226	7542130.75	Maddina Well	Net	6/03/2022	Microcyclops varicans	2
739510	671043.226	7542130.75	Maddina Well	Net	22/07/2022	Microcyclops varicans	6
687896	645485.4934	7548055.465	Malay Well	Net	21/02/2020	Microcyclops varicans	12
706859	660374.5534	7557893.3	md_hyp1	Karaman-Chappuis	21/02/2020	Microcyclops varicans	14
687964	629657.7662	7559828.417	md_hyp2	Karaman-Chappuis	22/02/2020	Microcyclops varicans	21

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
597755	683964.6345	7552458.959	md_kar1	Karaman-Chappuis	18/01/2012	Microcyclops varicans	3
597760	680635.1968	7544785.708	md_kar2	Karaman-Chappuis	18/01/2012	Microcyclops varicans	6
597753	677732.9107	7548303.922	md_kar3	Karaman-Chappuis	18/01/2012	Microcyclops varicans	16
597757	676486.2913	7548253.796	md_kar4	Karaman-Chappuis	18/01/2012	Microcyclops varicans	10
597751	670507.7986	7549765.128	md_kar6	Karaman-Chappuis	18/01/2012	Microcyclops varicans	20
597729	670189.3641	7548465.248	MD0430	Net	18/01/2012	Microcyclops varicans	2
628874	667167.0568	7550870.804	MD4504	Scrape	12/12/2014	Microcyclops varicans	1
739229	643200.1	7550196.841	MD5844	Scrape	26/07/2022	Microcyclops varicans	7
739070	628028.2575	7559705.581	MDWB0025	Net	20/07/2022	Microcyclops varicans	5
759368	628028.2575	7559705.581	MDWB0025	Net	19/01/2024	Microcyclops varicans	6
759213	614030.1539	7556649.214	MDWB0027	Net	18/01/2024	Microcyclops varicans	1
746791	608631.955	7556024.33	MDWB0040	Trap 1	20/03/2023	Microcyclops varicans	3
745581	607700.3239	7562350.914	MDWB0042	Net	23/11/2022	Microcyclops varicans	1
520113	675434.1872	7536782.092	MULGA1	Net	23/06/2004	Microcyclops varicans	1
628830	666974.6448	7546854.371	No. 3 Well	Net	10/12/2014	Microcyclops varicans	1
688044	666974.6448	7546854.371	No. 3 Well	Net	3/02/2020	Microcyclops varicans	6
678683	675422.888	7536785.541	One Tank Well	Net	12/08/2019	Microcyclops varicans	8
688077	675422.888	7536785.541	One Tank Well	Net	3/02/2020	Microcyclops varicans	1
687872	666526.1467	7540482.038	Pipally Well	Net	3/02/2020	Microcyclops varicans	18
678531	689388.6574	7536684.012	Tuckanoona Well	Net	12/08/2019	Microcyclops varicans	2
732927	689388.6574	7536684.012	Tuckanoona Well	Net	6/03/2022	Microcyclops varicans	4
758768	689388.6574	7536684.012	Tuckanoona Well	Net	11/12/2023	Microcyclops varicans	4
688269	645568.0337	7554391.296	Two Mile Bore	Net	21/02/2020	Microcyclops varicans	1
688193	645555.6027	7554385.875	Two Mile Well	Net	21/02/2020	Microcyclops varicans	3
566113	644800.4178	7556404.654	WF0103	Scrape	2/10/2008	Microcyclops varicans	17
574028	644789.5839	7556796.705	WF0104	Scrape	2/10/2008	Microcyclops varicans	14
739206	651404.4086	7545085.057	Calamina Well	Net	21/07/2022	Orbuscyclops westaustraliensis	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
629011	666021.0876	7549229.756	MD3450	Net	11/12/2014	Orbuscyclops westaustraliensis	1
758571	621254.489	7557852.801	MDPZ5163	Net	10/12/2023	Orbuscyclops westaustraliensis	1
759534	621254.489	7557852.801	MDPZ5163	Net	19/01/2024	Orbuscyclops westaustraliensis	6
741019	620447.2261	7557401.773	MDWB0057	Net	19/07/2022	Orbuscyclops westaustraliensis	1
678230	666526.1467	7540482.038	Pipally Well	Net	12/08/2019	Paracyclops `sp. indet.`	1
597736	655193.9947	7553630.304	MD0499	Net	18/01/2012	Pescecyclops pilbaricus	37
597730	655495.5174	7554802.123	MD0577	Net	18/01/2012	Pescecyclops pilbaricus	1
688124	667363.8815	7548533.352	MD4821	Scrape	30/01/2020	Pescecyclops pilbaricus	3
594531	670533.0246	7548955.385	MD0427	Net	21/10/2011	Pilbaracyclops sp. B03 (nr frustratio)	3
759065	627239.0259	7559480.593	MD5438	Net	12/12/2023	Pilbaracyclops sp. B03 (nr frustratio)	7
732971	610046.355	7558819.786	MDPZ9220	Net	8/03/2022	Pilbaracyclops sp. B03 (nr frustratio)	1
739149	654963.7055	7557583.267	Horraces Bore	Net	22/07/2022	Thermocyclops `BCY102`	17
687881	627449.4903	7559600.674	MD5455	Net	23/02/2020	Thermocyclops `sp. indet.`	16
733049	643189.1098	7548205.075	MD7063	Scrape	4/03/2022	Thermocyclops `sp. indet.`	1
739255	659870.4801	7561914.517	Two Day Bore	Net	23/07/2022	Thermocyclops `sp. indet.`	1
739162	703154.9205	7534328.66	Walshes Well	Net	24/07/2022	Thermocyclops `sp. indet.`	1
688143	654985.5497	7557600.768	Horaces Well	Net	21/02/2020	Thermocyclops aberrans	30
732906	654963.7055	7557583.267	Horraces Bore	Net	7/03/2022	Thermocyclops aberrans	6
688283	680635.1968	7544785.708	md_kar2	Bou Rouche	20/02/2020	Thermocyclops aberrans	18
758709	627239.0259	7559480.593	MD5438	Net	12/12/2023	Thermocyclops aberrans	6
733431	627240.8749	7559454.007	MDPZ5110	Net	8/03/2022	Thermocyclops aberrans	50
745157	627240.8749	7559454.007	MDPZ5110	Net	23/11/2022	Thermocyclops aberrans	4
688074	626859.3674	7555147.041	Boundary Well	Net	23/02/2020	Thermocyclops decipiens	80
706858	680635.1968	7544785.708	md_kar2	Karaman-Chappuis	20/02/2020	Thermocyclops decipiens	20
597761	656772.7104	7559335.843	md_kar5	Karaman-Chappuis	18/01/2012	Thermocyclops sp. B04	30
646696	666526.1467	7540482.038	Pipally Well	Net	1/01/2000	Tropocyclops prasinus	16
740170	671043.226	7542130.75	Maddina Well	Net	22/07/2022	Harpacticoida `sp. indet.`	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
757853	632147.0977	7556770.804	MDWB0054	Net	10/11/2023	Harpacticoida `sp. indet.`	1
688154	656637.5113	7546110.881	MDCMB09	Net	2/02/2020	Abnitocrella `BHA274` (nr eberhardi)	7
678052	651176.3653	7549445.39	MDPZ7453S	Net	10/08/2019	Abnitocrella `BHA274` (nr eberhardi)	17
678519	656638.5202	7546108.656	MDPZ7458C	Net	11/08/2019	Abnitocrella `BHA274` (nr eberhardi)	6
741149	656000.2963	7545396.414	MDPZ9211	Net	22/07/2022	Abnitocrella `BHA274` (nr eberhardi)	1
741030	654385.8319	7546688.007	MDPZ9212S	Net	21/07/2022	Abnitocrella `BHA274` (nr eberhardi)	3
678758	684344.5398	7533427.741	Salt Well	Net	12/08/2019	Abnitocrella `BHA274` (nr eberhardi)	1
687915	656627.0162	7542697.248	Browns Bore	Net	2/02/2020	Abnitocrella eberhardi	1
628998	651403.5491	7545102.781	Calamina Bore	Net	3/09/2000	Abnitocrella eberhardi	2
628997	651403.5491	7545102.781	Calamina Bore	Net	3/09/2000	Abnitocrella eberhardi	1
628999	651403.5491	7545102.781	Calamina Bore	Net	3/09/2000	Abnitocrella eberhardi	1
628996	651403.5491	7545102.781	Calamina Bore	Net	3/09/2000	Abnitocrella eberhardi	1
629001	680110.1861	7538522.733	Ebathacalby Well	Net	2/09/2000	Abnitocrella eberhardi	3
629002	680110.1861	7538522.733	Ebathacalby Well	Net	25/07/1997	Abnitocrella eberhardi	1
739452	652793.9054	7546195.405	MD5357	Scrape	26/07/2022	Abnitocrella eberhardi	4
732872	655601.9899	7546198.725	MD5821	Scrape	4/03/2022	Abnitocrella eberhardi	1
739474	655601.9899	7546198.725	MD5821	Scrape	26/07/2022	Abnitocrella eberhardi	11
733040	655200.6131	7546176.139	MD5825	Scrape	4/03/2022	Abnitocrella eberhardi	2
732937	651994.5981	7545017.324	MD5829	Scrape	5/03/2022	Abnitocrella eberhardi	3
739266	651994.5981	7545017.324	MD5829	Scrape	26/07/2022	Abnitocrella eberhardi	8
733042	647995.0125	7545799.76	MD5830	Scrape	4/03/2022	Abnitocrella eberhardi	1
732964	654387.4373	7545388.063	MD7042	Scrape	4/03/2022	Abnitocrella eberhardi	1
732886	652792.7394	7544598.75	MD7046	Scrape	4/03/2022	Abnitocrella eberhardi	2
732968	653600.4992	7546212.972	MD7048	Scrape	4/03/2022	Abnitocrella eberhardi	5
739446	653600.4992	7546212.972	MD7048	Scrape	26/07/2022	Abnitocrella eberhardi	4
732956	654002.3317	7546596.562	MD7049	Scrape	4/03/2022	Abnitocrella eberhardi	1
739483	654002.3317	7546596.562	MD7049	Scrape	26/07/2022	Abnitocrella eberhardi	12

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
739106	643996.1311	7548599.591	MD7062	Net	22/07/2022	Abnitocrella eberhardi	1
739325	643189.1098	7548205.075	MD7063	Scrape	26/07/2022	Abnitocrella eberhardi	1
706860	656637.5113	7546110.881	MDCMB09	Net	2/02/2020	Abnitocrella eberhardi	7
706908	663199.4222	7547990.437	MDPB0013B	Net	2/02/2020	Abnitocrella eberhardi	22
688144	656724.0169	7548158.473	MDPB0014	Net	2/02/2020	Abnitocrella eberhardi	50
739278	651324.6792	7545796.684	MDPB0015	Net	21/07/2022	Abnitocrella eberhardi	20
732890	654392.3776	7546201.854	MDPZ5355	Net	5/03/2022	Abnitocrella eberhardi	25
739495	654392.3776	7546201.854	MDPZ5355	Net	21/07/2022	Abnitocrella eberhardi	12
678492	656695.385	7548183.119	MDPZ7457C	Net	10/08/2019	Abnitocrella eberhardi	1
688055	656695.385	7548183.119	MDPZ7457C	Net	2/02/2020	Abnitocrella eberhardi	23
687898	671323.7916	7550522.51	MDPZ7466	Net	20/02/2020	Abnitocrella eberhardi	2
739259	656000.2963	7545396.414	MDPZ9211	Net	22/07/2022	Abnitocrella eberhardi	12
739330	654385.8319	7546688.007	MDPZ9212S	Net	21/07/2022	Abnitocrella eberhardi	4
758581	618439.6205	7555798.454	MDPZ9219	Net	12/12/2023	Abnitocrella eberhardi	2
759531	618439.6205	7555798.454	MDPZ9219	Net	18/01/2024	Abnitocrella eberhardi	1
741028	660244.6371	7557803.827	MDWB0011	Net	23/07/2022	Abnitocrella eberhardi	1
732897	656694.7866	7548123.333	MDWB0037	Net	5/03/2022	Abnitocrella eberhardi	10
740162	656694.7866	7548123.333	MDWB0037	Net	21/07/2022	Abnitocrella eberhardi	20
741026	656636.5023	7546113.105	MDWB0038	Net	21/07/2022	Abnitocrella eberhardi	22
757546	609591.5692	7563603.236	MDWB0043	Net	12/11/2023	Abnitocrella eberhardi	1
758555	609591.5692	7563603.236	MDWB0043	Net	9/12/2023	Abnitocrella eberhardi	8
759150	609591.5692	7563603.236	MDWB0043	Net	18/01/2024	Abnitocrella eberhardi	4
739109	656809.1498	7550996.666	Murrays Bore	Net	21/07/2022	Abnitocrella eberhardi	1
706854	675422.888	7536785.541	One Tank Well	Net	3/02/2020	Abnitocrella eberhardi	1
741032	654002.3317	7546596.562	MD7049	Scrape	26/07/2022	Ameiridae `sp. indet.`	1
739514	604123.6786	7576068.91	UNK2	Net	20/07/2022	Ameiridae `sp. indet.`	1
758690	690187.8778	7557591.97	Farwicks Well	Net	13/12/2023	Megastygonitocrella sp. B04	2

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
678069	671857.2609	7548747.123	MD0417	Scrape	7/08/2019	Megastygonitocrella sp. B04	1
628804	665314.0047	7549963.634	MD3154	Net	11/12/2014	Megastygonitocrella sp. B04	100
629010	666021.0876	7549229.756	MD3450	Net	11/12/2014	Megastygonitocrella sp. B04	25
628806	672573.3856	7548302.95	MD3586	Net	10/12/2014	Megastygonitocrella sp. B04	1
678081	663447.5714	7548345.508	MD6089	Scrape	9/08/2019	Megastygonitocrella sp. B04	1
678038	667223.6316	7550952.143	MD6362	Scrape	8/08/2019	Megastygonitocrella sp. B04	10
758570	621254.489	7557852.801	MDPZ5163	Net	10/12/2023	Megastygonitocrella sp. B04	1
739530	609591.5692	7563603.236	MDWB0043	Net	20/07/2022	Megastygonitocrella sp. B04	1
745427	609591.5692	7563603.236	MDWB0043	Net	23/11/2022	Megastygonitocrella sp. B04	2
759846	609591.5692	7563603.236	MDWB0043	Net	18/01/2024	Megastygonitocrella sp. B04	1
759067	613928.5438	7551606.086	Mt King Well	Net	9/12/2023	Megastygonitocrella sp. B04	2
706862	604123.7004	7576072.231	The Pools	Net	2/02/2020	Megastygonitocrella sp. B04	2
648248	684344.5398	7533427.741	Salt Well	Net	27/04/2008	Megastygonitocrella trispinosa	3
736214	673453.8539	7548172.518	UNK3	Net	19/05/2022	Megastygonitocrella unispinosa	2
678541	680218.6373	7538630.006	Ebathacalby bore	Net	12/08/2019	Nitokra `BHA275`	6
687900	680218.6373	7538630.006	Ebathacalby bore	Net	20/02/2020	Nitokra `BHA275`	1
688064	671043.226	7542130.75	Maddina Well	Net	3/02/2020	Nitokra `BHA275`	1
741031	655601.9899	7546198.725	MD5821	Scrape	26/07/2022	Nitokra `BHA275`	3
732904	654385.8319	7546688.007	MDPZ9212S	Net	5/03/2022	Nitokra `BHA275`	2
739116	684488.6291	7533585.505	Salt Well	Net	24/07/2022	Novanitocrella `BHA338`	2
628873	667167.0568	7550870.804	MD4504	Scrape	12/12/2014	Attheyella australica	7
628868	667110.1544	7548341.173	MD6138	Scrape	12/12/2014	Attheyella australica	8
739122	615397.5968	7558529.022	MDWB0023	Net	19/07/2022	Australocamptus `sp. indet.`	1
597766	657939.3643	7554032.538	MD0385	Net	18/01/2012	Canthocamptidae sp. B03	5
629039	657939.3643	7554032.538	MD0385	Net	11/12/2014	Canthocamptidae sp. B03	8
597769	656243.8096	7553374.075	MD0467	Net	18/01/2012	Canthocamptidae sp. B03	2
594526	656255.8325	7553752.64	MD0525	Scrape	21/10/2011	Canthocamptidae sp. B03	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
597771	656255.8325	7553752.64	MD0525	Net	18/01/2012	Canthocamptidae sp. B03	1
597742	656255.8325	7553752.64	MD0525	Net	18/01/2012	Canthocamptidae sp. B03	1
628949	657013.6347	7553699.679	MD1709	Scrape	14/12/2014	Canthocamptidae sp. B03	6
628862	658859.3142	7552770.924	MD2946	Net	11/12/2014	Canthocamptidae sp. B03	2
733081	609591.5692	7563603.236	MDWB0043	Net	9/03/2022	Canthocamptidae sp. B03	3
759845	689440.1703	7557130.334	MDWB0065	Net	20/01/2024	Canthocamptidae sp. B03	9
759849	614224.4971	7559826.223	Mrd Bore	Net	18/01/2024	Canthocamptidae sp. B03	1
733003	604123.6786	7576068.91	UNK2	Net	9/03/2022	Canthocamptidae sp. B03	7
759351	689440.1703	7557130.334	MDWB0065	Net	20/01/2024	Elaphoidella humphreysi	9
648249	684344.5398	7533427.741	Salt Well	Net	27/04/2008	Elaphoidella humphreysi	2
648250	684344.5398	7533427.741	Salt Well	Net	27/04/2008	Elaphoidella humphreysi	4
758776	695317.0956	7552957.414	UNK5	Net	13/12/2023	Elaphoidella humphreysi	2
594527	670293.1656	7548620.255	MD0429	Scrape	21/10/2011	Elaphoidella sp. B02	1
597768	670293.1656	7548620.255	MD0429	Net	18/01/2012	Elaphoidella sp. B02	5
687954	604123.7004	7576072.231	The Pools	Net	2/02/2020	Elaphoidella sp. B02	2
561298	634404.5209	7558797.688	WF0190	Net	22/10/2008	Elaphoidella sp. B06	1
648251	684344.5398	7533427.741	Salt Well	Net	27/04/2008	Rangabradya sp. S01	4
741029	684488.6291	7533585.505	Salt Well	Net	24/07/2022	nr Schizopera `BHA337`	3
684711	656638.5202	7546108.656	MDPZ7458C	Net	11/08/2019	Schizopera `BHA277`	1
739089	622035.1324	7555799.717	MDPZ9218	Net	19/07/2022	Schizopera `BHA336`	1
739155	656636.5023	7546113.105	MDWB0038	Net	21/07/2022	Dussartstenocaris `BHA335`	2
597765	670189.3641	7548465.248	MD0430	Net	18/01/2012	Dussartstenocaris `sp. indet.`	1
703246	660374.5534	7557893.3	md_hyp1	Karaman-Chappuis	21/02/2020	Dussartstenocaris sp. B01	1
705272	629657.7662	7559828.417	md_hyp2	Karaman-Chappuis	22/02/2020	Dussartstenocaris sp. B01	10
688285	680635.1968	7544785.708	md_kar2	Bou Rouche	20/02/2020	Dussartstenocaris sp. B01	4
597770	670507.7986	7549765.128	md_kar6	Karaman-Chappuis	18/01/2012	Dussartstenocaris sp. B01	50
739186	695317.0956	7552957.414	UNK5	Net	25/07/2022	Dussartstenocaris sp. nov. B03 (PIL)	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
688136	630511.1918	7556589.618	Blowout Bore	Net	23/02/2020	Parastenocarididae `sp. indet.`	1
732907	654963.7055	7557583.267	Horraces Bore	Net	7/03/2022	Parastenocarididae `sp. indet.`	1
688229	680635.1968	7544785.708	md_kar2	Karaman-Chappuis	20/02/2020	Parastenocarididae `sp. indet.`	3
741006	647200.5084	7547390.597	MD5831	Scrape	26/07/2022	Parastenocarididae `sp. indet.`	1
687994	649918.254	7552381.694	MDPZ7464	Net	1/02/2020	Parastenocarididae `sp. indet.`	1
688131	659873.6104	7561917.807	Two Day Well	Net	21/02/2020	Parastenocarididae `sp. indet.`	3
688277	645488.4018	7548035.508	Malay Bore	Net	21/02/2020	Parastenocaris `BHA276`	15
678064	645485.4934	7548055.465	Malay Well	Net	10/08/2019	Parastenocaris `BHA276`	30
739444	647201.2793	7546595.599	MD5832	Scrape	26/07/2022	Parastenocaris `BHA276`	1
687982	657303.9218	7550033.917	MDPZ7469C	Net	30/01/2020	Parastenocaris `BHA276`	35
739130	660244.6371	7557803.827	MDWB0011	Net	23/07/2022	Parastenocaris `BHA334`	2
739254	659870.4801	7561914.517	Two Day Bore	Net	23/07/2022	Parastenocaris `BHA334`	10
745153	648008.3982	7546996.553	MD5359	Net	22/11/2022	Parastenocaris `sp. indet.`	1
739183	647200.5084	7547390.597	MD5831	Scrape	26/07/2022	Parastenocaris `sp. indet.`	10
739467	646400.8253	7545800.371	MD5835	Scrape	26/07/2022	Parastenocaris `sp. indet.`	1
745179	643202.5263	7548995.499	MD7064	Net	23/11/2022	Parastenocaris `sp. indet.`	1
739256	611249.7061	7558992.88	MDWB0026	Net	19/07/2022	Parastenocaris `sp. indet.`	2
758661	613928.5438	7551606.086	Mt King Well	Net	9/12/2023	Parastenocaris `sp. indet.`	1
732995	643996.2516	7549397.889	MD7061	Scrape	4/03/2022	Parastenocaris jane	3
758732	609648.6066	7560972.473	MDPZ9221	Net	12/12/2023	Parastenocaris jane	3
759045	611249.7061	7558992.88	MDWB0026	Net	12/11/2023	Parastenocaris jane	6
759048	611249.7061	7558992.88	MDWB0026	Net	9/12/2023	Parastenocaris jane	7
758638	611837.9167	7557982.383	Rods Bore	Net	9/12/2023	Parastenocaris jane	6
648252	684344.5398	7533427.741	Salt Well	Net	27/04/2008	Parastenocaris jane	2
758658	659873.6104	7561917.807	Two Day Well	Net	9/12/2023	Parastenocaris jane	1
759068	695317.0956	7552957.414	UNK5	Net	13/12/2023	Parastenocaris jane	1
688274	635198.9684	7558898.275	WF0188	Net	22/02/2020	Parastenocaris jane	26

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
597773	660627.2048	7551620.167	MD0372	Scrape	18/01/2012	Parastenocaris sp. B18	1
597767	655193.9947	7553630.304	MD0499	Net	18/01/2012	Parastenocaris sp. B18	1
678072	644807.7713	7548262.155	MDPZ7462C	Net	10/08/2019	Parastenocaris sp. B18	5
629007	663893.493	7548279.945	MD4450	Net	11/12/2014	Parastenocaris sp. B29	100
739176	647995.0125	7545799.76	MD5830	Net	22/07/2022	Parastenocaris sp. B29	10
684713	663447.5714	7548345.508	MD6089	Scrape	9/08/2019	Parastenocaris sp. B29	6
741012	643996.1311	7548599.591	MD7062	Scrape	26/07/2022	Parastenocaris sp. B29	5
628836	655271.1455	7552356.192	MDPZ2475	Net	10/12/2014	Parastenocaris sp. B29	1
759533	621254.489	7557852.801	MDPZ5163	Net	19/01/2024	Parastenocaris sp. B29	1
687926	663200.4304	7547988.212	MDPZ7460C	Net	20/02/2020	Parastenocaris sp. B29	3
758677	624446.6182	7557799.075	MDWB0056	Net	10/12/2023	Parastenocaris sp. B29	4
759138	624446.6182	7557799.075	MDWB0056	Net	19/01/2024	Parastenocaris sp. B29	3
739090	624446.6182	7557799.075	MDWB0056	Net	19/07/2022	Parastenocaris sp. B29	2
759158	614224.4971	7559826.223	Mrd Bore	Net	18/01/2024	Parastenocaris sp. B29	3
705273	629657.7662	7559828.417	md_hyp2	Karaman-Chappuis	22/02/2020	Lecane papuana	1
739511	671043.226	7542130.75	Maddina Well	Net	22/07/2022	Lecane papuana	10
705271	629657.7662	7559828.417	md_hyp2	Karaman-Chappuis	22/02/2020	Cephalodella cf. catellina (PSW)	2
646704	680635.1968	7544785.708	md_kar2	Karaman-Chappuis	18/01/2012	Ostracoda `sp. indet.`	1
629117	661793.1154	7553237.009	MD0247	Net	11/12/2014	Ostracoda `sp. indet.`	1
759529	618439.6205	7555798.454	MDPZ9219	Net	18/01/2024	Ostracoda `sp. indet.`	20
757890	665602.1884	7548731.468	MDRC1883	Scrape	11/11/2023	Ostracoda `sp. indet.`	1
519434	675434.1872	7536782.092	MULGA1	Net	15/08/2005	Ostracoda `sp. indet.`	5
648258	684344.5398	7533427.741	Salt Well	Net	22/03/2009	Ostracoda `sp. indet.`	20
733586	653600.4992	7546212.972	MD7048	Scrape	4/03/2022	Areacandona `BOS1372`	1
678537	680218.6373	7538630.006	Ebathacalby bore	Net	12/08/2019	Areacandona `BOS1372`	26
594537	656121.2041	7552872.598	MD0462	Net	21/10/2011	Areacandona `BOS1381`	1
684871	661761.9445	7548118.301	Robinsons Well	Net	11/08/2019	Areacandona `BOS1381`	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
688097	605042.1353	7575311.182	1475	Net	2/02/2020	Areacandona `BOS1438`	1
758687	690187.8778	7557591.97	Farwicks Well	Net	13/12/2023	Areacandona `BOS1438`	9
688151	656637.5113	7546110.881	MDCMB09	Net	2/02/2020	Areacandona `BOS1438`	3
739532	605251.972	7570208.602	MDPZ5339	Net	20/07/2022	Areacandona `BOS1438`	1
739197	685795.0582	7555420.788	MDWB0017	Net	25/07/2022	Areacandona `BOS1438`	3
687950	604123.7004	7576072.231	The Pools	Net	2/02/2020	Areacandona `BOS1438`	25
733028	602114.681	7573844.7	UNK1	Net	9/03/2022	Areacandona `BOS1438`	6
739174	602114.681	7573844.7	UNK1	Net	20/07/2022	Areacandona `BOS1438`	13
733584	604123.6786	7576068.91	UNK2	Net	9/03/2022	Areacandona `BOS1438`	15
739515	604123.6786	7576068.91	UNK2	Net	20/07/2022	Areacandona `BOS1438`	5
688001	671125.6486	7529653.171	Company	Net	3/02/2020	Areacandona `BOS1441`	25
707027	656637.5113	7546110.881	MDCMB09	Net	2/02/2020	Areacandona `BOS1441`	7
745476	608843.869	7559811.22	MDWB0028	Net	24/11/2022	Areacandona `BOS1441`	1
745794	608843.869	7559811.22	MDWB0028	Net	24/11/2022	Areacandona `BOS1441`	1
757612	614349.9493	7552252.877	LF-PB004	Net	13/11/2023	Areacandona `BOS1864`	1
760107	614030.1539	7556649.214	MDWB0027	Net	12/11/2023	Areacandona `BOS1864`	1
759211	614030.1539	7556649.214	MDWB0027	Net	18/01/2024	Areacandona `BOS1864`	1
760116	614030.1539	7556649.214	MDWB0027	Net	9/12/2023	Areacandona `BOS1864`	1
758716	605042.1353	7575311.182	1475	Net	8/12/2023	Areacandona `BOS1874`	1
758711	602114.681	7573844.7	UNK1	Net	8/12/2023	Areacandona `BOS1874`	7
758775	695317.0956	7552957.414	UNK5	Net	13/12/2023	Areacandona `BOS1874`	18
745814	651404.4086	7545085.057	Calamina Well	Net	21/07/2022	Areacandona `sp. indet.`	1
760128	690187.8778	7557591.97	Farwicks Well	Net	13/12/2023	Areacandona `sp. indet.`	1
745810	671043.226	7542130.75	Maddina Well	Net	22/07/2022	Areacandona `sp. indet.`	2
688095	654885.6913	7553126.226	MD1813	Scrape	1/02/2020	Areacandona `sp. indet.`	1
759215	632050.2563	7559000.307	MD5382	Net	19/01/2024	Areacandona `sp. indet.`	1
739473	655601.9899	7546198.725	MD5821	Scrape	26/07/2022	Areacandona `sp. indet.`	2

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
732871	655601.9899	7546198.725	MD5821	Scrape	4/03/2022	Areacandona `sp. indet.`	1
733582	651994.5981	7545017.324	MD5829	Scrape	5/03/2022	Areacandona `sp. indet.`	3
745815	651994.5981	7545017.324	MD5829	Scrape	26/07/2022	Areacandona `sp. indet.`	1
745787	652792.7394	7544598.75	MD7046	Scrape	26/07/2022	Areacandona `sp. indet.`	1
732993	643996.2516	7549397.889	MD7061	Scrape	4/03/2022	Areacandona `sp. indet.`	3
745332	643189.1098	7548205.075	MD7063	Net	23/11/2022	Areacandona `sp. indet.`	1
745791	643189.1098	7548205.075	MD7063	Net	23/11/2022	Areacandona `sp. indet.`	1
688071	663199.4222	7547990.437	MDPB0013B	Net	2/02/2020	Areacandona `sp. indet.`	6
739277	651324.6792	7545796.684	MDPB0015	Net	21/07/2022	Areacandona `sp. indet.`	3
739328	654385.8319	7546688.007	MDPZ9212S	Net	21/07/2022	Areacandona `sp. indet.`	5
732950	649609.8164	7544611.825	MDPZ9213	Net	5/03/2022	Areacandona `sp. indet.`	25
739282	649609.8164	7544611.825	MDPZ9213	Net	21/07/2022	Areacandona `sp. indet.`	17
757593	685795.0582	7555420.788	MDWB0017	Net	15/11/2023	Areacandona `sp. indet.`	1
745800	685795.0582	7555420.788	MDWB0017	Net	25/07/2022	Areacandona `sp. indet.`	1
745799	685795.0582	7555420.788	MDWB0017	Net	25/07/2022	Areacandona `sp. indet.`	1
745793	608843.869	7559811.22	MDWB0028	Net	24/11/2022	Areacandona `sp. indet.`	1
732898	656694.7866	7548123.333	MDWB0037	Net	5/03/2022	Areacandona `sp. indet.`	13
740161	656694.7866	7548123.333	MDWB0037	Net	21/07/2022	Areacandona `sp. indet.`	19
760105	607100.1078	7567130.797	MDWB0046	Net	12/11/2023	Areacandona `sp. indet.`	1
707007	632147.0977	7556770.804	MDWB0054	Net	22/02/2020	Areacandona `sp. indet.`	2
759352	689440.1703	7557130.334	MDWB0065	Net	20/01/2024	Areacandona `sp. indet.`	17
739145	654389.6134	7543729.356	MWUNK1	Net	21/07/2022	Areacandona `sp. indet.`	5
760112	602114.681	7573844.7	UNK1	Net	8/12/2023	Areacandona `sp. indet.`	1
745812	604123.6786	7576068.91	UNK2	Net	20/07/2022	Areacandona `sp. indet.`	1
759541	695608.2599	7552970.399	UNK4	Net	20/01/2024	Areacandona `sp. indet.`	1
739184	695317.0956	7552957.414	UNK5	Net	25/07/2022	Areacandona `sp. indet.`	20
687937	656519.6692	7542788.014	Unknown 5	Net	2/02/2020	Areacandona `sp. indet.`	40

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
684869	656627.0162	7542697.248	Browns Bore	Net	10/08/2019	Areacandona `sp. indet.`	2
670935	651403.5491	7545102.781	Calamina Bore	Net	3/09/2000	Areacandona `sp. indet.`	1
670936	651403.5491	7545102.781	Calamina Bore	Net	3/09/2000	Areacandona `sp. indet.`	1
670937	651403.5491	7545102.781	Calamina Bore	Net	3/09/2000	Areacandona `sp. indet.`	23
687899	680218.6373	7538630.006	Ebathacalby bore	Net	20/02/2020	Areacandona `sp. indet.`	17
646686	680110.1861	7538522.733	Ebathacalby Well	Net	25/07/1997	Areacandona `sp. indet.`	1
646687	680110.1861	7538522.733	Ebathacalby Well	Net	25/07/1997	Areacandona `sp. indet.`	1
646688	680110.1861	7538522.733	Ebathacalby Well	Net	25/07/1997	Areacandona `sp. indet.`	34
646693	680110.1861	7538522.733	Ebathacalby Well	Net	25/07/1997	Areacandona `sp. indet.`	3
733036	652793.9054	7546195.405	MD5357	Scrape	4/03/2022	Areacandona `sp. indet.`	1
745788	655601.9899	7546198.725	MD5821	Scrape	26/07/2022	Areacandona `sp. indet.`	6
733576	655200.6131	7546176.139	MD5825	Scrape	4/03/2022	Areacandona `sp. indet.`	1
732936	651994.5981	7545017.324	MD5829	Scrape	5/03/2022	Areacandona `sp. indet.`	6
739265	651994.5981	7545017.324	MD5829	Scrape	26/07/2022	Areacandona `sp. indet.`	4
739479	654387.4373	7545388.063	MD7042	Scrape	26/07/2022	Areacandona `sp. indet.`	4
745789	653600.4992	7546212.972	MD7048	Scrape	26/07/2022	Areacandona `sp. indet.`	1
688147	656724.0169	7548158.473	MDPB0014	Net	2/02/2020	Areacandona `sp. indet.`	1
707021	656638.5202	7546108.656	MDPZ7458C	Net	2/02/2020	Areacandona `sp. indet.`	1
732902	654385.8319	7546688.007	MDPZ9212S	Net	5/03/2022	Areacandona `sp. indet.`	1
745796	654385.8319	7546688.007	MDPZ9212S	Net	21/07/2022	Areacandona `sp. indet.`	1
745797	656694.7866	7548123.333	MDWB0037	Net	21/07/2022	Areacandona `sp. indet.`	1
739153	656636.5023	7546113.105	MDWB0038	Net	21/07/2022	Areacandona `sp. indet.`	30
745425	609591.5692	7563603.236	MDWB0043	Net	23/11/2022	Areacandona `sp. indet.`	2
678681	675422.888	7536785.541	One Tank Well	Net	12/08/2019	Areacandona `sp. indet.`	3
670934	651403.5491	7545102.781	Calamina Bore	Net	3/09/2000	Areacandona arteria	3
670932	651403.5491	7545102.781	Calamina Bore	Net	3/09/2000	Areacandona arteria	1
670933	651403.5491	7545102.781	Calamina Bore	Net	3/09/2000	Areacandona arteria	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
739454	652793.9054	7546195.405	MD5357	Scrape	26/07/2022	Areacandona arteria	1
739484	654002.3317	7546596.562	MD7049	Scrape	26/07/2022	Areacandona arteria	1
760131	605042.1353	7575311.182	1475	Net	8/12/2023	Areacandona quasilepte	1
757702	618277.0012	7551607.097	LF-PB006	Net	14/11/2023	Areacandona quasilepte	3
669271	670507.7986	7549765.128	md_kar6	Karaman-Chappuis	18/01/2012	Areacandona quasilepte	1
669275	655370.3825	7553522.262	MD0495	Net	18/01/2012	Areacandona quasilepte	1
759532	621254.489	7557852.801	MDPZ5163	Net	19/01/2024	Areacandona quasilepte	2
760108	618439.6205	7555798.454	MDPZ9219	Net	14/11/2023	Areacandona quasilepte	12
760110	618439.6205	7555798.454	MDPZ9219	Net	12/12/2023	Areacandona quasilepte	5
760134	618439.6205	7555798.454	MDPZ9219	Net	12/12/2023	Areacandona quasilepte	37
739487	609591.5692	7563603.236	MDWB0043	Net	20/07/2022	Areacandona quasilepte	1
733078	609591.5692	7563603.236	MDWB0043	Net	9/03/2022	Areacandona quasilepte	3
760124	602114.681	7573844.7	UNK1	Net	8/12/2023	Areacandona quasilepte	6
733585	604123.6786	7576068.91	UNK2	Net	9/03/2022	Areacandona quasilepte	1
678053	651176.3653	7549445.39	MDPZ7453S	Net	10/08/2019	Candonidae `BOS1376`	1
745792	608843.869	7559811.22	MDWB0028	Net	24/11/2022	Candonidae `BOS1376`	2
760126	690187.8778	7557591.97	Farwicks Well	Net	13/12/2023	Candonidae `BOS1878`	1
760135	689440.1703	7557130.334	MDWB0065	Net	20/01/2024	Candonidae `BOS1878`	8
687942	632147.0977	7556770.804	MDWB0054	Net	22/02/2020	Candonopsis `sp. indet.`	1
669282	636101.6066	7535502.446	Pyramid Pool	Karaman-Chappuis	18/02/2012	Candonopsis dedeckkeri	6
669278	661110.7796	7538985.348	Yampire Bore	Net	10/12/2011	Candonopsis dedeckkeri	1
669270	656772.7104	7559335.843	md_kar5	Karaman-Chappuis	18/01/2012	Candonopsis tenuis	3
669273	668649.3815	7551148.369	md_kar7	Karaman-Chappuis	18/01/2012	Candonopsis tenuis	7
646705	677732.9107	7548303.922	md_kar3	Karaman-Chappuis	18/01/2012	Deminutiocandona ?cf quasimica	1
669276	655370.3825	7553522.262	MD0495	Net	18/01/2012	Deminutiocandona ?cf quasimica	1
707026	656637.5113	7546110.881	MDCMB09	Net	2/02/2020	Humphreyscandona `BOS1379`	1
688163	656638.5202	7546108.656	MDPZ7458C	Net	2/02/2020	Humphreyscandona `BOS1379`	30

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
678516	656638.5202	7546108.656	MDPZ7458C	Net	11/08/2019	Humphreyscandona `BOS1379`	17
707008	656519.6692	7542788.014	Unknown 5	Net	2/02/2020	Humphreyscandona `BOS1435`	1
707015	604123.7004	7576072.231	The Pools	Net	2/02/2020	Humphreyscandona `BOS1714`	1
739463	652792.7394	7544598.75	MD7046	Scrape	26/07/2022	Humphreyscandona `BOS1714`	4
739449	653600.4992	7546212.972	MD7048	Scrape	26/07/2022	Humphreyscandona `BOS1714`	2
745795	654385.8319	7546688.007	MDPZ9212S	Net	21/07/2022	Humphreyscandona `BOS1714`	2
745809	656636.5023	7546113.105	MDWB0038	Net	21/07/2022	Humphreyscandona `BOS1714`	2
745801	666977.7503	7546855.445	No 3 Well	Net	22/07/2022	Humphreyscandona `BOS1714`	1
759357	605042.1353	7575311.182	1475	Net	18/01/2024	Humphreyscandona `BOS387`	4
733578	690187.8778	7557591.97	Farwicks Well	Net	11/03/2022	Humphreyscandona `BOS387`	1
760109	618277.0012	7551607.097	LF-PB006	Net	14/11/2023	Humphreyscandona `BOS387`	2
732969	653600.4992	7546212.972	MD7048	Scrape	4/03/2022	Humphreyscandona `BOS387`	1
739093	607647.731	7562206.25	MDPZ5296	Net	20/07/2022	Humphreyscandona `BOS387`	4
758577	618439.6205	7555798.454	MDPZ9219	Net	12/12/2023	Humphreyscandona `BOS387`	21
758119	618439.6205	7555798.454	MDPZ9219	Net	14/11/2023	Humphreyscandona `BOS387`	17
760133	618439.6205	7555798.454	MDPZ9219	Net	12/12/2023	Humphreyscandona `BOS387`	2
758583	610046.355	7558819.786	MDPZ9220	Net	12/12/2023	Humphreyscandona `BOS387`	1
745790	614030.1539	7556649.214	MDWB0027	Net	24/11/2022	Humphreyscandona `BOS387`	1
733014	607700.3239	7562350.914	MDWB0042	Net	9/03/2022	Humphreyscandona `BOS387`	100
739187	607700.3239	7562350.914	MDWB0042	Net	20/07/2022	Humphreyscandona `BOS387`	50
757602	607700.3239	7562350.914	MDWB0042	Net	12/11/2023	Humphreyscandona `BOS387`	16
745414	607700.3239	7562350.914	MDWB0042	Net	23/11/2022	Humphreyscandona `BOS387`	9
758756	607700.3239	7562350.914	MDWB0042	Net	8/12/2023	Humphreyscandona `BOS387`	30
745807	609591.5692	7563603.236	MDWB0043	Net	20/07/2022	Humphreyscandona `BOS387`	20
759149	609591.5692	7563603.236	MDWB0043	Net	18/01/2024	Humphreyscandona `BOS387`	4
758553	609591.5692	7563603.236	MDWB0043	Net	9/12/2023	Humphreyscandona `BOS387`	17
733583	609591.5692	7563603.236	MDWB0043	Net	9/03/2022	Humphreyscandona `BOS387`	13

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
746789	609591.5692	7563603.236	MDWB0043	Trap 1	20/03/2023	Humphreyscandona `BOS387`	2
757544	609591.5692	7563603.236	MDWB0043	Net	12/11/2023	Humphreyscandona `BOS387`	5
758114	607100.1078	7567130.797	MDWB0046	Net	12/11/2023	Humphreyscandona `BOS387`	1
733575	602114.681	7573844.7	UNK1	Net	9/03/2022	Humphreyscandona `BOS387`	1
745811	604123.6786	7576068.91	UNK2	Net	20/07/2022	Humphreyscandona `BOS387`	3
733000	604123.6786	7576068.91	UNK2	Net	9/03/2022	Humphreyscandona `BOS387`	2
669274	670293.1656	7548620.255	MD0429	Net	18/01/2012	Meridiescandona `BOS297`	2
669285	636101.6066	7535502.446	Pyramid Pool	Karaman-Chappuis	18/02/2012	Meridiescandona `BOS297`	2
707029	643694.1835	7553801.811	md_hyp4	Bou Rouche	21/02/2020	Bennelongia tirigie	10
626044	639197.4224	7558609.858	WF0167	Net	19/06/2014	Cypretta `A` (PSW)	1
626071	635199.6893	7558501.905	WF0186	Net	19/06/2014	Cypretta `A` (PSW)	10
732989	656604.5804	7542721.833	Browns Well	Net	5/03/2022	Cypretta `sp. indet.`	1
733074	651404.4086	7545085.057	Calamina Well	Net	5/03/2022	Cypretta `sp. indet.`	2
705265	659816.3979	7553447.718	MD3851	Scrape	31/01/2020	Cypretta `sp. indet.`	1
733039	655200.6131	7546176.139	MD5825	Scrape	4/03/2022	Cypretta `sp. indet.`	1
759046	611249.7061	7558992.88	MDWB0026	Net	12/11/2023	Cypretta `sp. indet.`	100
760106	614030.1539	7556649.214	MDWB0027	Net	12/11/2023	Cypretta `sp. indet.`	22
688042	666974.6448	7546854.371	No. 3 Well	Net	3/02/2020	Cypretta `sp. indet.`	10
707023	605042.1353	7575311.182	1475	Net	2/02/2020	Cypretta maya	1
684873	680218.6373	7538630.006	Ebathacalby bore	Net	12/08/2019	Cypretta maya	1
684877	671043.226	7542130.75	Maddina Well	Net	12/08/2019	Cypretta maya	20
739509	671043.226	7542130.75	Maddina Well	Net	22/07/2022	Cypretta maya	1
678508	632960.1595	7552991.867	Marnamoonah Well	Net	13/08/2019	Cypretta maya	20
707009	669042.9854	7551007.927	MD0266	Scrape	30/01/2020	Cypretta maya	6
677625	661896.6468	7550273.926	MD1333	Scrape	9/08/2019	Cypretta maya	2
760136	632050.2563	7559000.307	MD5382	Net	19/01/2024	Cypretta maya	1
678512	663200.4304	7547988.212	MDPZ7460C	Net	11/08/2019	Cypretta maya	3

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
758702	660244.6371	7557803.827	MDWB0011	Net	10/12/2023	Cypretta maya	1
758039	615397.5968	7558529.022	MDWB0023	Net	13/11/2023	Cypretta maya	1
758717	614030.1539	7556649.214	MDWB0027	Net	9/12/2023	Cypretta maya	13
745802	666977.7503	7546855.445	No 3 Well	Net	22/07/2022	Cypretta maya	1
684878	666974.6448	7546854.371	No. 3 Well	Net	11/08/2019	Cypretta maya	1
684881	675422.888	7536785.541	One Tank Well	Net	12/08/2019	Cypretta maya	12
684883	675422.888	7536785.541	One Tank Well	Net	12/08/2019	Cypretta maya	2
688078	675422.888	7536785.541	One Tank Well	Net	3/02/2020	Cypretta maya	8
678226	666526.1467	7540482.038	Pipally Well	Net	12/08/2019	Cypretta maya	25
687871	666526.1467	7540482.038	Pipally Well	Net	3/02/2020	Cypretta maya	15
739491	666526.1467	7540482.038	Pipally Well	Net	22/07/2022	Cypretta maya	5
688301	661761.9445	7548118.301	Robinsons Well	Net	24/02/2020	Cypretta maya	8
687980	629586.5419	7558448.405	The 39th	Net	23/02/2020	Cypretta maya	1
688068	666460.3384	7532590.738	WB18KRP0004	Net	3/02/2020	Cypretta maya	6
669279	661110.7796	7538985.348	Yampire Bore	Net	10/12/2011	Cypretta maya	1
678029	656627.0162	7542697.248	Browns Bore	Net	10/08/2019	Cypretta seurati	4
687913	656627.0162	7542697.248	Browns Bore	Net	2/02/2020	Cypretta seurati	6
739099	656604.5804	7542721.833	Browns Well	Net	21/07/2022	Cypretta seurati	14
678555	651403.5491	7545102.781	Calamina Bore	Net	10/08/2019	Cypretta seurati	15
687904	651404.4086	7545085.057	Calamina Well	Net	21/02/2020	Cypretta seurati	20
739201	651404.4086	7545085.057	Calamina Well	Net	21/07/2022	Cypretta seurati	13
733019	690187.8778	7557591.97	Farwicks Well	Net	11/03/2022	Cypretta seurati	20
760141	690187.8778	7557591.97	Farwicks Well	Net	20/01/2024	Cypretta seurati	30
760127	690187.8778	7557591.97	Farwicks Well	Net	13/12/2023	Cypretta seurati	10
745798	690187.8778	7557591.97	Farwicks Well	Net	25/07/2022	Cypretta seurati	4
678651	651322.1847	7554724.42	Hesters Bore	Net	9/08/2019	Cypretta seurati	2
687933	651322.1847	7554724.42	Hesters Bore	Net	1/02/2020	Cypretta seurati	5

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
687897	645485.4934	7548055.465	Malay Well	Net	21/02/2020	Cypretta seurati	9
703234	632960.1595	7552991.867	Marnamoonah Well	Net	23/02/2020	Cypretta seurati	12
739333	673404.6462	7550529.524	MD7640	Net	23/07/2022	Cypretta seurati	1
758031	668016.8777	7552775.18	MD9401	Scrape	11/11/2023	Cypretta seurati	1
678074	650285.5311	7554538.396	MDPZ7459	Net	9/08/2019	Cypretta seurati	1
760132	618439.6205	7555798.454	MDPZ9219	Net	12/12/2023	Cypretta seurati	1
757606	609648.6066	7560972.473	MDPZ9221	Net	12/11/2023	Cypretta seurati	4
739129	660244.6371	7557803.827	MDWB0011	Net	23/07/2022	Cypretta seurati	2
739074	665270.0078	7556266.913	MDWB0013	Net	23/07/2022	Cypretta seurati	3
758720	611249.7061	7558992.88	MDWB0026	Net	9/12/2023	Cypretta seurati	55
757966	611249.7061	7558992.88	MDWB0026	Net	12/11/2023	Cypretta seurati	28
757597	614030.1539	7556649.214	MDWB0027	Net	12/11/2023	Cypretta seurati	1
760117	614030.1539	7556649.214	MDWB0027	Net	9/12/2023	Cypretta seurati	2
760137	614030.1539	7556649.214	MDWB0027	Net	18/01/2024	Cypretta seurati	8
745418	614030.1539	7556649.214	MDWB0027	Net	24/11/2022	Cypretta seurati	10
757539	610841.9188	7556184.916	MDWB0030	Net	13/11/2023	Cypretta seurati	1
745808	656636.5023	7546113.105	MDWB0038	Net	21/07/2022	Cypretta seurati	2
739169	620447.2261	7557401.773	MDWB0057	Net	19/07/2022	Cypretta seurati	2
745150	630511.155	7556585.189	MDWB5069	Net	23/11/2022	Cypretta seurati	4
687944	674716.4403	7529412.741	Mountain Well	Net	3/02/2020	Cypretta seurati	60
739111	656809.1498	7550996.666	Murrays Bore	Net	21/07/2022	Cypretta seurati	5
739500	666977.7503	7546855.445	No 3 Well	Net	22/07/2022	Cypretta seurati	6
677618	666974.6448	7546854.371	No. 3 Well	Net	11/08/2019	Cypretta seurati	6
628828	666974.6448	7546854.371	No. 3 Well	Net	10/12/2014	Cypretta seurati	4
684880	675422.888	7536785.541	One Tank Well	Net	12/08/2019	Cypretta seurati	10
707022	675422.888	7536785.541	One Tank Well	Net	3/02/2020	Cypretta seurati	10
628820	661761.9445	7548118.301	Robinsons Well	Net	11/12/2014	Cypretta seurati	5

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
678059	670798.0354	7538006.313	Silver Grass Well	Net	12/08/2019	Cypretta seurati	30
687988	670798.0354	7538006.313	Silver Grass Well	Net	3/02/2020	Cypretta seurati	4
678528	689388.6574	7536684.012	Tuckanoona Well	Net	12/08/2019	Cypretta seurati	10
739133	689388.6574	7536684.012	Tuckanoona Well	Net	24/07/2022	Cypretta seurati	25
760139	689388.6574	7536684.012	Tuckanoona Well	Net	20/01/2024	Cypretta seurati	10
758767	689388.6574	7536684.012	Tuckanoona Well	Net	11/12/2023	Cypretta seurati	8
733589	689388.6574	7536684.012	Tuckanoona Well	Net	6/03/2022	Cypretta seurati	6
739253	659870.4801	7561914.517	Two Day Bore	Net	23/07/2022	Cypretta seurati	40
707012	659873.6104	7561917.807	Two Day Well	Net	21/02/2020	Cypretta seurati	25
758656	659873.6104	7561917.807	Two Day Well	Net	9/12/2023	Cypretta seurati	33
688194	645555.6027	7554385.875	Two Mile Well	Net	21/02/2020	Cypretta seurati	6
678564	645555.6027	7554385.875	Two Mile Well	Net	13/08/2019	Cypretta seurati	8
733082	703154.9205	7534328.66	Walshes Well	Net	10/03/2022	Cypretta seurati	16
758705	703154.9205	7534328.66	Walshes Well	Net	11/12/2023	Cypretta seurati	38
759174	703154.9205	7534328.66	Walshes Well	Net	20/01/2024	Cypretta seurati	25
739158	703154.9205	7534328.66	Walshes Well	Net	24/07/2022	Cypretta seurati	32
687921	638518.0418	7555877.808	Windemurra Well	Net	21/02/2020	Cypretta seurati	2
760111	605042.1353	7575311.182	1475	Net	8/12/2023	Cyprididae `sp. indet.`	1
707030	643694.1835	7553801.811	md_hyp4	Bou Rouche	21/02/2020	Cyprididae `sp. indet.`	2
669272	670507.7986	7549765.128	md_kar6	Karaman-Chappuis	18/01/2012	Cyprididae `sp. indet.`	1
707019	654885.6913	7553126.226	MD1813	Scrape	1/02/2020	Cyprididae `sp. indet.`	2
758561	632147.0977	7556770.804	MDWB0054	Net	10/12/2023	Cyprididae `sp. indet.`	2
630180	661761.9445	7548118.301	Robinsons Well	Net	11/12/2014	Cypridopsis `sp. indet.`	5
628869	667110.1544	7548341.173	MD6138	Scrape	12/12/2014	Cyprinopsinae `sp. indet.`	1
688125	626837.4584	7555244.645	Boundary Bore	Net	23/02/2020	Cyprinotus cingalensis	10
678532	671043.226	7542130.75	Maddina Well	Net	12/08/2019	Cyprinotus cingalensis	15
688059	671043.226	7542130.75	Maddina Well	Net	3/02/2020	Cyprinotus cingalensis	25

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
688089	669042.9854	7551007.927	MD0266	Scrape	30/01/2020	Cyprinotus cingalensis	1
707018	663199.4222	7547990.437	MDPB0013B	Net	2/02/2020	Cyprinotus cingalensis	2
736220	656809.1498	7550996.666	Murrays Bore	Net	19/05/2022	Cyprinotus cingalensis	10
732911	656809.1498	7550996.666	Murrays Bore	Net	12/03/2022	Cyprinotus cingalensis	3
678224	656839.3932	7551132.558	Murrays Well	Net	11/08/2019	Cyprinotus cingalensis	10
687928	656839.3932	7551132.558	Murrays Well	Net	1/02/2020	Cyprinotus cingalensis	10
688126	635516.3759	7558008.707	Nine Inch Bore	Net	22/02/2020	Cyprinotus cingalensis	30
684882	675422.888	7536785.541	One Tank Well	Net	12/08/2019	Cyprinotus cingalensis	1
707011	629586.5419	7558448.405	The 39th	Net	23/02/2020	Cyprinotus cingalensis	10
760122	689388.6574	7536684.012	Tuckanoona Well	Net	11/12/2023	Cyprinotus cingalensis	1
733588	689388.6574	7536684.012	Tuckanoona Well	Net	6/03/2022	Cyprinotus cingalensis	14
745803	689388.6574	7536684.012	Tuckanoona Well	Net	24/07/2022	Cyprinotus cingalensis	10
688128	659873.6104	7561917.807	Two Day Well	Net	21/02/2020	Cyprinotus cingalensis	1
688075	626859.3674	7555147.041	Boundary Well	Net	23/02/2020	Riocypris fitzroyi	6
707014	654985.5497	7557600.768	Horaces Well	Net	21/02/2020	Riocypris fitzroyi	1
733580	654963.7055	7557583.267	Horraces Bore	Net	7/03/2022	Riocypris fitzroyi	2
739146	654963.7055	7557583.267	Horraces Bore	Net	22/07/2022	Riocypris fitzroyi	11
758659	613928.5438	7551606.086	Mt King Well	Net	9/12/2023	Riocypris fitzroyi	12
630182	666974.6448	7546854.371	No. 3 Well	Net	10/12/2014	Riocypris fitzroyi	2
739214	661761.9445	7548118.301	Robinsons Well	Net	22/07/2022	Riocypris fitzroyi	2
684872	661761.9445	7548118.301	Robinsons Well	Net	11/08/2019	Riocypris fitzroyi	2
684875	670798.0354	7538006.313	Silver Grass Well	Net	12/08/2019	Riocypris fitzroyi	1
733587	653600.4992	7546212.972	MD7048	Scrape	4/03/2022	Sarscypridopsis `sp. indet.	1
733581	661761.9445	7548118.301	Robinsons Well	Net	5/03/2022	Sarscypridopsis `sp. indet.	1
678054	652219.2936	7552541.121	MDPZ7450C	Net	10/08/2019	Sarscypridopsis ochracea	1
520112	675434.1872	7536782.092	MULGA1	Net	23/06/2004	Sarscypridopsis ochracea	15
733579	656809.1498	7550996.666	Murrays Bore	Net	12/03/2022	Sarscypridopsis ochracea	18

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
630181	666974.6448	7546854.371	No. 3 Well	Net	10/12/2014	Sarscypridopsis ochracea	2
733590	689388.6574	7536684.012	Tuckanoona Well	Net	6/03/2022	Sarscypridopsis ochracea	9
688145	654985.5497	7557600.768	Horaces Well	Net	21/02/2020	Stenocypris major	2
745805	654963.7055	7557583.267	Horraces Bore	Net	22/07/2022	Stenocypris major	3
732905	654963.7055	7557583.267	Horraces Bore	Net	7/03/2022	Stenocypris major	40
707017	645485.4934	7548055.465	Malay Well	Net	21/02/2020	Stenocypris major	4
688226	680635.1968	7544785.708	md_kar2	Karaman-Chappuis	20/02/2020	Stenocypris major	2
758671	605251.972	7570208.602	MDPZ5339	Net	8/12/2023	Stenocypris major	1
733023	661761.9445	7548118.301	Robinsons Well	Net	5/03/2022	Stenocypris major	1
707010	629586.5419	7558448.405	The 39th	Net	23/02/2020	Stenocypris major	8
707016	604123.7004	7576072.231	The Pools	Net	2/02/2020	Stenocypris major	1
760123	689388.6574	7536684.012	Tuckanoona Well	Net	11/12/2023	Stenocypris major	3
759330	689388.6574	7536684.012	Tuckanoona Well	Net	20/01/2024	Stenocypris major	20
684876	689388.6574	7536684.012	Tuckanoona Well	Net	12/08/2019	Stenocypris major	3
732924	689388.6574	7536684.012	Tuckanoona Well	Net	6/03/2022	Stenocypris major	8
745804	689388.6574	7536684.012	Tuckanoona Well	Net	24/07/2022	Stenocypris major	6
760119	659873.6104	7561917.807	Two Day Well	Net	9/12/2023	Stenocypris major	1
707013	659873.6104	7561917.807	Two Day Well	Net	21/02/2020	Stenocypris major	1
669269	651403.5491	7545102.781	Calamina Bore	Net	10/12/2011	Strandesia `466`	1
669281	661110.7796	7538985.348	Yampire Bore	Net	10/12/2011	Strandesia `466`	15
707028	643694.1835	7553801.811	md_hyp4	Bou Rouche	21/02/2020	Ilyocypris australiensis	1
733577	690187.8778	7557591.97	Farwicks Well	Net	11/03/2022	Gomphodella pilbarensis	20
759181	690187.8778	7557591.97	Farwicks Well	Net	20/01/2024	Gomphodella pilbarensis	4
760114	690187.8778	7557591.97	Farwicks Well	Net	13/12/2023	Gomphodella pilbarensis	10
739496	690187.8778	7557591.97	Farwicks Well	Net	25/07/2022	Gomphodella pilbarensis	9
669284	636101.6066	7535502.446	Pyramid Pool	Karaman-Chappuis	18/02/2012	Gomphodella pilbarensis	1
739512	606240.9094	7561579.249	MDWB0044	Net	20/07/2022	Limnocythere `sp. indet.`	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
760140	690187.8778	7557591.97	Farwicks Well	Net	20/01/2024	Limnocythere stationis	3
684879	632960.1595	7552991.867	Marnamoonah Well	Net	13/08/2019	Limnocythere stationis	1
678660	658869.2257	7553138.44	MD2936	Scrape	8/08/2019	Limnocythere stationis	5
678505	669457.1253	7550477.471	MD4276	Scrape	8/08/2019	Limnocythere stationis	1
678658	670007.2722	7550220.147	MD6444	Scrape	8/08/2019	Limnocythere stationis	1
684885	663200.4304	7547988.212	MDPZ7460C	Net	11/08/2019	Limnocythere stationis	2
520111	675434.1872	7536782.092	MULGA1	Net	23/06/2004	Limnocythere stationis	1
745806	661761.9445	7548118.301	Robinsons Well	Net	22/07/2022	Limnocythere stationis	6
707020	661761.9445	7548118.301	Robinsons Well	Net	24/02/2020	Limnocythere stationis	1
678656	661761.9445	7548118.301	Robinsons Well	Net	11/08/2019	Limnocythere stationis	1
759066	689388.6574	7536684.012	Tuckanoona Well	Net	11/12/2023	Limnocythere stationis	1
760138	689388.6574	7536684.012	Tuckanoona Well	Net	20/01/2024	Limnocythere stationis	5
760121	689388.6574	7536684.012	Tuckanoona Well	Net	11/12/2023	Limnocythere stationis	8
684884	645555.6027	7554385.875	Two Mile Well	Net	13/08/2019	Limnocythere stationis	1
669280	661110.7796	7538985.348	Yampire Bore	Net	10/12/2011	Limnocythere stationis	1
629014	653371.9756	7553841.985	MD0633	Net	10/12/2014	Pauropoda `sp. indet.`	2
678087	672211.3688	7549243.757	MD0401	Scrape	7/08/2019	Pauropodidae `BPU089`	1
757538	610841.9188	7556184.916	MDWB0030	Net	13/11/2023	Pauropodidae `BPU089`	1
688123	667363.8815	7548533.352	MD4821	Scrape	30/01/2020	Pauropodidae `BPU089`	1
688103	656718.5409	7552252.108	MD1545	Scrape	31/01/2020	Pauropodidae `BPU090`	2
688227	680635.1968	7544785.708	md_kar2	Karaman-Chappuis	20/02/2020	Pauropodidae `BPU098`	3
739156	656636.5023	7546113.105	MDWB0038	Net	21/07/2022	Pauropodidae `BPU110`	1
668833	655580.0532	7553129.322	MD0487	Scrape	21/10/2011	Pauropodidae `MH1`	1
668658	673074.4718	7548377.149	MD0396	Trap 1	10/12/2011	Pauropodidae `MH2`	1
668690	672717.4781	7547900.497	MD0415	Trap 1	10/12/2011	Pauropodidae `MH2`	1
669059	655581.6454	7553498.024	MDH0143	Trap 1	10/12/2011	Pauropodidae `MH2`	1
668703	670533.0246	7548955.385	MD0427	Trap 1	10/12/2011	Pauropodidae `MH3`	1

Bennelongia Specimen ID	Easting	Northing	SiteName	ObsMethod	DateObs	TaxonName	Abundance
668753	656243.8096	7553374.075	MD0467	Trap 1	10/12/2011	Pauropodidae `MH3`	1
688049	656527.848	7553612.629	MD2040	Scrape	31/01/2020	Pauropodidae `sp. indet.`	1
677593	665742.0756	7549181.774	MD3285	Scrape	8/08/2019	Pauropodidae `sp. indet.`	1
758694	683884.0658	7557475.373	MDPZ7478	Net	11/12/2023	Pauropodidae `sp. indet.`	2
678044	652034.4933	7554017.762	MD5062	Scrape	7/08/2019	Pauropodidae `sp. indet.`	1
687974	656470.2804	7553530.158	MD2038	Scrape	31/01/2020	Pauropodidae `sp. indet.`	1
757583	683884.0658	7557475.373	MDPZ7478	Net	15/11/2023	Pauropodidae `sp. new OTU 1`	4
678575	657289.1342	7552878.648	MD1556	Scrape	7/08/2019	Pauropodidae sp. B01 s.l.	1
629008	666021.0876	7549229.756	MD3450	Net	11/12/2014	Pauropodidae sp. B01 s.l.	1
739081	656011.3998	7542996.838	MDPZ7461	Net	21/07/2022	Namanereis `BPOL001`	1
758037	659415.486	7553490.551	MDRC2367	Scrape	11/11/2023	Symphylella `BSYM137`	1
687885	655792.5946	7551987.839	MD2148	Scrape	1/02/2020	Symphylella `sp. indet.`	1
733064	673453.8539	7548172.518	UNK3	Net	11/03/2022	Symphylella `sp. indet.`	1
677598	658704.2675	7553251.944	MD2926	Scrape	8/08/2019	Symphylella sp. B20	1
628867	667110.1544	7548341.173	MD6138	Scrape	12/12/2014	Symphylella sp. B20	1
739271	649595.3757	7545796.713	MD7051	Scrape	26/07/2022	Hanseniella `BSYM117`	1
668475	670507.7986	7549765.128	md_kar6	Karaman-Chappuis	18/01/2012	Hanseniella `MH1`	1
668652	673421.3076	7548866.086	MD0393	Net	21/10/2011	Hanseniella `MH1`	2
668663	672679.6099	7549891.942	MD0397	Scrape	21/10/2011	Hanseniella `MH1`	1
677608	654593.936	7553147.927	MD2633	Scrape	7/08/2019	Hanseniella `sp. indet.	1
688222	680635.1968	7544785.708	md_kar2	Karaman-Chappuis	20/02/2020	Turbellaria `sp. indet.`	3
684874	680218.6373	7538630.006	Ebathacalby bore	Net	12/08/2019	Microturbellaria `sp. indet.`	1
678231	666526.1467	7540482.038	Pipally Well	Net	12/08/2019	Microturbellaria `sp. indet.`	1