NEW ZEALAND THREAT CLASSIFICATION SERIES 10

Conservation status of New Zealand earthworms, 2014

Thomas R. Buckley, Stéphane Boyer, Scott Bartlam, Rod Hitchmough, Jeremy Rolfe and Ian Stringer

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Department of Conservation
Te Papa Atawhai

Cover: *Megascolides equestris*, Aorangi Island, Poor Knights Islands. *Photo: David Seldon.*

New Zealand Threat Classification Series is a scientific monograph series presenting publications related to the New Zealand Threat Classification System (NZTCS). Most will be lists providing NZTCS status of members of a plant or animal group (e.g. algae, birds, spiders). There are currently 23 groups, each assessed once every 3 years. After each three-year cycle there will be a report analysing and summarising trends across all groups for that listing cycle. From time to time the manual that defines the categories, criteria and process for the NZTCS will be reviewed. Publications in this series are considered part of the formal international scientific literature.

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Abstract

The conservation status of all known New Zealand Megascolecid earthworm taxa (179 taxa) was assessed using the New Zealand Threat Classification System (NZTCS). A full list is presented, along with a statistical summary and brief notes on the most important changes. 105 taxa are ranked Data Deficient, 1 Declining, 31 Naturally Uncommon, 40 Not Threatened and 2 Introduced and Naturalised. This list replaces all previous NZTCS lists for earthworms.

Keywords: New Zealand Threat Classification System, NZTCS, conservation status, Acanthodrilidae, Megascolecidae

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1. Summary

New Zealand Megascolecidae were last assessed in 2010 and included all taxa then described (Macfarlane et al. 2010; Buckley et al. 2012). Since then six endemic megascolecid earthworms have been described, comprising three each of Acanthodrilidae and Megascolecidae. Five of the newly described species are ranked as Data Deficient and one (*Deinodrilus gorgon* Boyer, Blackmore & Wratten 2011) as Declining (Table 1). Following its description in 2011 from a specimen from Happy Valley (Upper Waimangaroa Valley, Buller), *Deinodrilus gorgon* was recorded on the Stockton Plateau, the Denniston Plateau and the Barrytown flats near Punakaiki (Boyer 2013). Despite a potentially large distribution area on the West Coast, the best-documented section of its natural habitat is threatened by on-going and future mining activities on the Stockton and Denniston Plateaus. These activities are likely to cause a decline of the best-known population. The population recorded at Punakaiki is only present in a small and isolated pocket of remnant native vegetation, but there are large areas of unsurveyed potential habitat.

Exotic (Introduced and Naturalised) taxa have not been included in the assessment, but two species previously incorrectly considered to be native are included in the list.

Table 1. Names added to the NZTCS list of New Zealand Megascolecidae and Acanthodrilidae earthworms in this document that were not in the previous assessment (Buckley et al. 2012).

NAME AND AUTHORITY	FAMILY
Aporodrilus aotea Blakemore, 2011	Megascolecidae
Aporodrilus ponga Blakemore, 2011	Megascolecidae
Deinodrilus gorgon Boyer, Blakemore & Wratten 2011	Acanthodrilidae
Maoridrilus felix Boyer, Blakemore & Wratten 2011	Acanthodrilidae
Notoscolex repanga Blakemore, 2011	Megascolecidae
Octochaetus kenleei Boyer, Blakemore & Wratten 2011	Acanthodrilidae

Overall, 58.7% of the taxa are ranked as Data Deficient, 17.9% as At Risk and 22.3% as Not Threatened (Table 2). Of the 171 taxa assessed in 2010 (Buckley et al. 2012), the threat rankings of only two taxa have been changed: *Maoridrilus plumbeus* (Beddard, 1895) is now Naturally Uncommon whereas it was previously Data Deficient and *Maoridrilus transalpinus* Lee, 1959 is now Not Threatened whereas it was previously Data Deficient (Table 3). The change in status for *M. plumbeus* followed a reinterpretation of the data which indicates that this species is stable and restricted to its known range in western Waikato. Recent surveys and historic records have indicated that *M. transalpinus* is widespread (Manapouri, Mahinapua, Banks Peninsula, Lincoln, Taipo Valley, Jacks Pass and Arthur's Pass) and it has now been ranked as Not Threatened.

Table 2. Statistical summary of the status of New Zealand Megascolecidae and Acanthodrilidae earthworm species assessed in 2010 (Buckley et al. 2012) and 2014 (this document).

CATEGORY	BUCKLEY ET AL. 2012	BUCKLEY ET AL. 2015
Data Deficient	102	105
At Risk—Declining	0	1
At Risk—Naturally Uncommon	30	31
Not Threatened	39	40
Introduced and Naturalised	2	2
Total	173	179

Table 3. Statistical summary of status changes of earthworms between 2012 (Buckley et al. 2012) and 2014 (this document).

CONSERVATION STATUS 2014	CONSERVATION STATUS 2012	DETERMINATE	INDETERMINATE	TOTAL
DATA DEFICIENT		**99**	**6**	**105**
	Data Deficient	94	6	100
	Not in previous list	5	0	5
AT RISK		**32**	**0**	**32**
Declining		**1**	0	**1**
	Not in previous list	1	0	1
Naturally Uncommon		**31**	**0**	**31**
	Data deficient	1	0	1
	Naturally Uncommon	30	0	30
NOT THREATENED		**40**	**0**	**40**
	Data deficient	1	0	1
	Not Threatened	39	0	39
INTRODUCED AND NATURALISED		**2**	**0**	**2**
	Introduced and naturalised	2	0	2
TOTAL		**173**	**6**	**179**

2. Conservation status of New Zealand earthworms

The revised threat ranking for New Zealand earthworms is provided in this section and replaces all previous NZTCS lists for New Zealand earthworms.

Taxa are assessed according to the criteria of Townsend et al. (2008), grouped by conservation status, then alphabetically by scientific name. For non-endemic species that are threatened internationally, the IUCN category is listed alongside the NZTCS listing. Categories are ordered by degree of loss, with Extinct at the top of the list and Not Threatened at the bottom, above Introduced and Naturalised. The Data Deficient list is inserted between Extinct and Threatened. Although the true status of Data Deficient taxa will span the entire range of available categories, taxa are in that list mainly because they are very seldom seen, so most are likely to end up being considered threatened and some may already be extinct. The Data Deficient list is likely to include many of the most threatened species in New Zealand.

See Townsend et al. (2008) for details of criteria and qualifiers, which are abbreviated as follows:

CD	Conservation Dependent
De	Designated
DP	Data Poor
EF	Extreme Fluctuations
EW	Extinct in the Wild
IE	Island Endemic
Inc	Increasing
OL	One Location
PD	Partial Decline
RF	Recruitment Failure
RR	Range Restricted
SO	Secure Overseas
Sp	Sparse
St	Stable
TO	Threatened Overseas

2.1 Taxonomically determinate

Extinct (0)

Taxa for which there is no reasonable doubt—following repeated surveys in known or expected habitats at appropriate times (diurnal, seasonal and annual) and throughout the taxon's historic range—that the last individual has died.

No taxonomically determinate earthworm taxa are listed in this category, although numerous undescribed species exist (Buckley & Bartlam 2010; Boyer et al. 2011; Buckley et al. 2011; Boyer 2013).

Data Deficient (99)

Taxa that are suspected to be threatened, or in some instances, possibly extinct but are not definitely known to belong to any particular category due to a lack of current information about their distribution and abundance. It is hoped that listing such taxa will stimulate research to find out the true category or threat (for a fuller definition see Townsend et al. 2008).

NAME	FAMILY	QUALIFIERS
Decachaetus minor Lee, 1959	Acanthodrilidae	OL
Decachaetus violaceus Lee, 1959	Acanthodrilidae	OL
Deinodrilus agilis Lee, 1952	Acanthodrilidae	OL
Deinodrilus benhami Beddard, 1889	Acanthodrilidae	OL
Deinodrilus lateralis Lee, 1959	Acanthodrilidae	RR
Deinodrilus montanus Lee, 1952	Acanthodrilidae	
Deinodrilus parvus Lee, 1952	Acanthodrilidae	
Deinodrilus suteri Benham, 1906	Acanthodrilidae	RR
Diporochaeta aquatica Benham, 1903	Megascolecidae	
Diporochaeta caswelli Lee, 1959	Megascolecidae	OL
Diporochaeta intermedia Beddard, 1888	Megascolecidae	
Eodrilus annectens (Beddard, 1889)	Acanthodrilidae	OL
Eodrilus micros Lee, 1959	Acanthodrilidae	OL
Eodrilus montanus Lee, 1959	Acanthodrilidae	RR
Eodrilus pallidus Lee, 1959	Acanthodrilidae	OL
Eodrilus parvus Lee, 1959	Acanthodrilidae	OL
Eodrilus rossi Lee, 1959	Acanthodrilidae	OL
Eudinodriloides forsteri Lee, 1959	Acanthodrilidae	
Hoplochaetina pallida Lee, 1952	Acanthodrilidae	
Hoplochaetina polycystis Lee, 1952	Acanthodrilidae	RR
Hoplochaetina robusta Lee, 1952	Acanthodrilidae	OL
Hoplochaetina rossii (Benham, 1903)	Acanthodrilidae	
Hoplochaetina rubra Lee, 1959	Acanthodrilidae	RR
Hoplochaetina spirilla Lee, 1959	Acanthodrilidae	
Hoplochaetina subtilis Lee, 1959	Acanthodrilidae	
Leucodrilus fuscus Lee, 1952	Acanthodrilidae	OL
Leucodrilus robustus Lee, 1959	Acanthodrilidae	RR
Maoridrilus alpinus Lee, 1959	Acanthodrilidae	OL
Maoridrilus fuscus Lee, 1959	Acanthodrilidae	OL
Maoridrilus gravus Lee, 1959	Acanthodrilidae	RR
Maoridrilus megacystis Benham, 1919	Acanthodrilidae	
Maoridrilus michaelseni Ude, 1905	Acanthodrilidae	

Continued on next page

Data Deficient continued

NAME	FAMILY	QUALIFIERS
Maoridrilus minor Lee, 1959	Acanthodrilidae	OL
Maoridrilus modestus Michaelsen, 1910	Acanthodrilidae	
Maoridrilus montanus Lee, 1959	Acanthodrilidae	
Maoridrilus nelsoni Lee, 1959	Acanthodrilidae	
Maoridrilus pallidus Lee, 1959	Acanthodrilidae	
Maoridrilus purus Ude, 1905	Acanthodrilidae	
Maoridrilus rubicundus Lee, 1959	Acanthodrilidae	OL
Maoridrilus smithi (Beddard, 1892)	Acanthodrilidae	
Maoridrilus suteri Michaelsen, 1922	Acanthodrilidae	OL
Maoridrilus ultimus Lee, 1959	Acanthodrilidae	
Megascolex animae Lee, 1959	Megascolecidae	OL
Megascolides albus Lee, 1952	Megascolecidae	OL
Megascolides esculentus (Benham. 1904)	Megascolecidae	OL
Megascolides fuscus Lee, 1952	Megascolecidae	RR
Megascolides huttoni (Benham. 1904)	Megascolecidae	OL
Megascolides kirki (Benham. 1904)	Megascolecidae	
Megascolides mortenseni (Michaelsen, 1923)	Megascolecidae	OL
Megascolides napierensis Benham, 1941	Megascolecidae	OL
Megascolides neglectus Cognetti de Martiis, 1909	Megascolecidae	
Megascolides parvus Lee, 1952	Megascolecidae	
Megascolides raglani Lee, 1952	Megascolecidae	
Megascolides reptans (Ude, 1905)	Megascolecidae	
Megascolides sapidus Benham, 1904	Megascolecidae	OL
Megascolides unipapillatus (Ude, 1905)	Megascolecidae	OL
Megascolides urewerae Benham, 1904	Megascolecidae	
Megascolides viridis Lee, 1952	Megascolecidae	
Microscolex campbellianus (Benham, 1905)	Acanthodrilidae	
Microscolex phosphoreus (Dugès, 1837)	Acanthodrilidae	OL
Neochaeta salmoni Lee, 1959	Acanthodrilidae	OL
Neodrilus campestris (Hutton, 1877)	Acanthodrilidae	
Neodrilus polycystis Lee, 1959	Acanthodrilidae	
Notoscolex hakeaphilus Benham, 1949	Megascolecidae	
Octochaetus antarcticus (Beddard, 1889)	Acanthodrilidae	OL
Octochaetus pelorus Lee, 1959	Acanthodrilidae	
Octochaetus ravus Lee, 1959	Acanthodrilidae	OL
Octochaetus sylvestris Lee, 1952	Acanthodrilidae	
Octochaetus tricystis Lee, 1952	Acanthodrilidae	
Perieodrilus lateralis (Benham, 1903)	Acanthodrilidae	RR
Perieodrilus montanus (Benham, 1903)	Acanthodrilidae	RR
Perionyx egmonti Lee, 1952	Megascolecidae	
Plagiochaeta lineata (Hutton, 1877)	Acanthodrilidae	
Plagiochaeta stewartensis Michaelsen, 1923	Acanthodrilidae	
Plutellus parvus Lee, 1959	Megascolecidae	RR
Pontodrilus lacustris (Benham, 1903)	Megascolecidae	OL
Rhododrilus agathis Lee, 1959	Acanthodrilidae	RR
Rhododrilus aquaticus Lee, 1959	Acanthodrilidae	OL
Rhododrilus attenuatus Lee, 1952	Acanthodrilidae	
Rhododrilus besti Benham, 1904	Acanthodrilidae	
Rhododrilus disparatus Lee, 1952	Acanthodrilidae	
Rhododrilus dobsoni Lee, 1959	Acanthodrilidae	OL
Rhododrilus edulis Benham, 1904	Acanthodrilidae	

Continued on next page

Data Deficient continued

NAME	FAMILY	QUALIFIERS
Rhododrilus intermedius Lee, 1952	Acanthodrilidae	
Rhododrilus microgaster Lee, 1959	Acanthodrilidae	OL
Rhododrilus minutus Beddard, 1889	Acanthodrilidae	RR
Rhododrilus papaensis Lee, 1952	Acanthodrilidae	
Rhododrilus parvus Benham, 1906	Acanthodrilidae	IE, OL
Rhododrilus rosae Lee, 1959	Acanthodrilidae	
Rhododrilus sexpapillatus Dyne, 1980	Acanthodrilidae	OL
Rhododrilus sutherlandi Lee, 1952	Acanthodrilidae	
Spenceriella argillae Lee, 1959	Megascolecidae	OL
Spenceriella pallida Lee, 1959	Megascolecidae	OL
Sylovodrilus gravus Lee, 1959	Acanthodrilidae	
Maoridrilus felix Boyer, Blakemore & Wratten 2014	Acanthodrilidae	OL
Octochaetus kenleei Boyer, Blakemore & Wratten 2014	Acanthodrilidae	OL
Aporodrilus aotea Blakemore, 2011	Megascolecidae	
Aporodrilus ponga Blakemore, 2011	Megascolecidae	
Notoscolex repanga Blakemore, 2011	Megascolecidae	

Threatened (0)

Taxa that meet the criteria specified by Townsend et al. (2008) for the categories Nationally Critical, Nationally Endangered and Nationally Vulnerable.

No taxonomically determinate earthworm taxa are listed in this category.

At Risk (32)

Taxa that meet the criteria specified by Townsend et al. (2008) for Declining, Recovering, Relict and Naturally Uncommon.

Declining (1)

Taxa that do not qualify as 'Threatened' because they are buffered by large population size and/or a slower rate of decline than the trigger points.

Criteria for Declining:

A—moderate to large population and low ongoing or predicted decline

A(1/1) 5000–20 000 mature individuals, predicted decline 10–30%
A(2/1) Total area of occupancy ≤1000 ha (10 km^2), predicted decline 10–30%

B—large population and low to moderate ongoing or predicted decline

B(1/1) 20 000–100 000 mature individuals, predicted decline 10–50%
B(2/1) Total area of occupancy ≤10 000 ha (100 km^2), predicted decline 10–50%

C—very large population and low to high ongoing or predicted decline

C(1/1) >100 000 mature individuals, predicted decline 10–70%
C(2/1) Total area of occupancy >10 000 ha (100 km^2), predicted decline 10–70%

NAME AND AUTHORITY	FAMILY	CRITERIA	QUALIFIERS
Deinodrilus gorgon Boyer, Blakemore & Wratten 2011	Acanthodrilidae	A(2/1)	PD

Recovering (0)

Taxa that have undergone a documented decline within the last 1000 years and now have an ongoing or predicted increase of >10% in the total population or area of occupancy, taken over the next 10 years or three generations, whichever is longer. Note that such taxa that are increasing but have a population size of <1000 mature individuals (or total area of occupancy of <10 ha) are listed in one of the Threatened categories, depending on their population size (for more details see Townsend et al. (2008)).

Criteria for Recovering:

A 1000–5000 mature individuals or total area of occupancy ≤100 ha (1 km^2), and predicted increase >10%

B 5000–20 000 mature individuals or total area of occupancy ≤1000 ha (10 km^2), and predicted increase >10%

No taxonomically determinate earthworm taxa are listed in this category.

Relict (0)

Taxa that have undergone a documented decline within the last 1000 years, and now occupy <10% of their former range and meet one of the following criteria:

Criteria for Relict:

A 5000–20 000 mature individuals; population stable (±10%)

B >20 000 mature individuals; population stable or increasing at >10%.

The range of a relictual taxon takes into account the area currently occupied as a ratio of its former extent. Relict can also include taxa that exist as reintroduced and self-sustaining populations within or outside their former known range (for more details see Townsend et al. (2008)).

No taxonomically determinate earthworm taxa are listed in this category.

Naturally Uncommon (31)

Taxa whose distribution is confined to a specific geographical area or which occur within naturally small and widely scattered populations, where this distribution is not the result of human disturbance.

NAME AND AUTHORITY	FAMILY	QUALIFIERS
Acanthodrilus kermadecensis Lee, 1953	Acanthodrilidae	CD, IE, OL
Diporochaeta brachysoma Benham, 1909	Megascolecidae	IE, RR
Diporochaeta chathamensis Benham, 1901	Megascolecidae	IE, OL
Diporochaeta duodecimalis (Michaelsen, 1923)	Megascolecidae	IE, OL
Diporochaeta heterochaeta Benham, 1909	Megascolecidae	IE, OL
Diporochaeta minima Lee, 1959	Megascolecidae	IE, OL
Eodrilus fallax (Benham, 1909)	Acanthodrilidae	IE, OL
Eodrilus haplocystis (Benham, 1901)	Acanthodrilidae	IE, OL
Hoplochaetina durvilleana (Benham, 1919)	Acanthodrilidae	IE, OL
Maoridrilus plumbeus (Beddard, 1895)	Acanthodrilidae	
Maoridrilus tetragonurus Michaelsen, 1899	Acanthodrilidae	IE, OL
Maoridrilus volutus Lee, 1959	Acanthodrilidae	IE, OL
Megascolides equestris (Benham, 1942)	Megascolecidae	IE, OL
Megascolides ruber Lee, 1952	Megascolecidae	IE, OL
Megascolides rubicundus Lee, 1959	Megascolecidae	IE, OL

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Naturally Uncommon continued

NAME AND AUTHORITY	FAMILY	QUALIFIERS
Megascolides tasmani Lee, 1959	Megascolecidae	IE, OL
Neodrilus dissimilis Lee, 1959	Acanthodrilidae	IE, OL
Octochaetus kapitiensis Lee, 1959	Acanthodrilidae	IE, OL
Perieodrilus plunketi (Benham, 1909)	Acanthodrilidae	IE, OL
Perieodrilus ricardi (Benham, 1903)	Acanthodrilidae	IE, OL
Perionyx helophilus (Benham, 1909)	Megascolecidae	IE, OL
Perionyx perionychopsis (Benham, 1909)	Megascolecidae	IE, OL
Perionyx shoeanus Cognetti de Martiis, 1912	Megascolecidae	IE, OL
Plutellus aucklandicus Benham, 1909	Megascolecidae	IE, RR
Pontodrilus litoralis Grube, 1855	Megascolecidae	IE, OL
Rhododrilus huttoni (Benham, 1901)	Acanthodrilidae	IE, OL
Rhododrilus insularis Lee, 1959	Acanthodrilidae	IE, OL
Rhododrilus kermadecensis Benham, 1905	Acanthodrilidae	IE, OL
Rhododrilus ravus Lee, 1959	Acanthodrilidae	IE, OL
Rhododrilus subtilis Lee, 1959	Acanthodrilidae	IE, OL
Rhododrilus tetratheca Lee, 1959	Acanthodrilidae	IE, OL

Non-resident Native (0)

Taxa whose natural presence in New Zealand is either discontinuous (Migrant) or sporadic or temporary (Vagrant) or which have succeeded in recently (since 1950) establishing a resident breeding population (Coloniser).

No taxonomically determinate earthworm taxa are listed in this category.

Not Threatened (40)

Resident native taxa that have large, stable populations.

NAME AND AUTHORITY	FAMILY	QUALIFIERS
Deinodrilus gracilis Ude, 1905	Acanthodrilidae	
Deinodrilus kanieriensis (Benham, 1945)	Acanthodrilidae	
Dinodriloides beddardi Benham, 1904	Acanthodrilidae	
Diporochaeta obtusa Lee, 1952	Megascolecidae	
Diporochaeta punctata Lee, 1959	Megascolecidae	
Eodrilus paludosus (Beddard, 1892)	Acanthodrilidae	
Leucodrilus digitocystis Lee, 1952	Acanthodrilidae	
Maoridrilus carnosus Lee, 1959	Acanthodrilidae	
Maoridrilus dissimilis (Beddard, 1885)	Acanthodrilidae	
Maoridrilus parkeri (Beddard, 1895)	Acanthodrilidae	
Maoridrilus ruber Lee, 1959	Acanthodrilidae	
Maoridrilus transalpinus Lee, 1959	Acanthodrilidae	
Maoridrilus uliginosus (Hutton, 1877)	Acanthodrilidae	
Maoridrilus wilkini Lee, 1959	Acanthodrilidae	
Megascolex novae-zealandiae Lee, 1952	Megascolecidae	
Megascolides irregularis Lee, 1952	Megascolecidae	
Megascolides maoricus Benham, 1904	Megascolecidae	
Megascolides suteri Benham, 1904	Megascolecidae	
Microscolex aucklandicus (Benham, 1903)	Acanthodrilidae	
Neochaeta forsteri Lee, 1959	Acanthodrilidae	

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Not Threatened continued

NAME AND AUTHORITY	FAMILY	QUALIFIERS
Neodrilus agilis Lee, 1949	Acanthodrilidae	RR
Neodrilus edwardsi Lee, 1959	Acanthodrilidae	
Octochaetus brucei Lee, 1952	Acanthodrilidae	
Octochaetus huttoni Beddard, 1892	Acanthodrilidae	
Octochaetus michaelseni Benham, 1904	Acanthodrilidae	
Octochaetus multiporus (Beddard, 1885)	Acanthodrilidae	
Octochaetus thomasi Beddard, 1892	Acanthodrilidae	
Plagiochaeta sylvestris (Hutton, 1877)	Acanthodrilidae	
Plutellus stewartensis Lee, 1959	Megascolecidae	
Rhododrilus aduncocystis Lee, 1952	Acanthodrilidae	
Rhododrilus albidus Lee, 1952	Acanthodrilidae	
Rhododrilus benhami Lee, 1952	Acanthodrilidae	
Rhododrilus cockaynei Benham,1905	Acanthodrilidae	
Rhododrilus leptomerus Benham, 1905	Acanthodrilidae	
Rhododrilus macroseptus Lee, 1952	Acanthodrilidae	
Rhododrilus minimus Lee, 1952	Acanthodrilidae	
Rhododrilus robustus Lee, 1952	Acanthodrilidae	
Rhododrilus similis Benham, 1906	Acanthodrilidae	
Spenceriella gigantea (Benham, 1906)	Megascolecidae	
Spenceriella shakespeari (Benham, 1906)	Megascolecidae	

Introduced and Naturalised (2)

Taxa that have become naturalised in the wild after being deliberately or accidentally introduced into New Zealand by human agency.

NAME AND AUTHORITY	FAMILY
Microscolex dubius (Fletcher, 1887)	Acanthodrilidae
Pheretima peregrina (Fletcher, 1886)	Megascolecidae

2.2 Taxonomically indeterminate

This section includes described taxa whose taxonomic status is uncertain and requires further investigation, and also possibly distinct entities whose taxonomic status has yet to be determined. Definitions of threat categories follow those given in the Taxonomically Determinate section above.

Data Deficient (6)

NAME AND AUTHORITY	FAMILY
Maoridrilus ?intermedius	Acanthodrilidae
Maoridrilus ?mauiensis	Acanthodrilidae
Maoridrilus ?thomsoni	Acanthodrilidae
Octochaetus levis (Hutton, 1877)	Acanthodrilidae
Octochaetus microchaetus (Benham, 1950)	Acanthodrilidae
Rhododrilus ?monticola	Acanthodrilidae

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