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Geodorcus alsobius Holloway holotype id June 1992

Data sheet Geodorcus alsobius

X CL 1♂<sup>36°32' 175°24'</sup> Mt Moehau, Nov 1980, J. J. Goulstone. Under log in last patch of bush before summit of Little Moehau (NZAC) HOLOTYPE  
[Labrum, macerated genitalia, left maxilla, left wing in accompanying vial]

X CL 1♂ Mt Moehau, 610 m, 19 Mar 1980, G. Kuschel. Dead under log (NZAC) [Specimen incomplete, fragments glued on card]. PARATYPE

X CL 1♂<sup>②</sup> Tracks to Mt Moehau, CL, Coromandel Forest Park, 500-600m, 12.ii.1978, C.A. Muir, found dead (LUNZ) [Specimen badly crushed when collected, apparently had been trodden on on track; fragments are glued to card; genitalia in attached vial]. PARATYPE

X CL 1♂<sup>①</sup> Mt Moehau, Summit ridge, 875 m, CL, Coromandel Forest Park, 12.ii.1978, R.M. Emberson, found dead (LUNZ). [Specimen consists of fragments glued to card - incomplete]. PARATYPE.

X CL 1♂<sup>④</sup> Mt Moehau, moribund on bare ground near trig station, 24 Feb 1990, T.J. Herman (NZAC) PARATYPE.

X CL 1♂<sup>⑤</sup> 1♂ (head fragments), 1♀ Mt Moehau bush edge, S10: 254/159, 6 Jan 1992, R. Thorpe (NZAC). PARATYPES

X CL 1♂<sup>⑥</sup> (fragments), Little Moehau, S10: 260/148, found dead, 7 Jan 1992, K. Owen (NZAC). PARATYPE

CL 1♀<sup>⑧</sup> Mt Moehau, S10: 248/157, 7 Jan 1992, R. Thorpe (NZAC). PARATYPE. [appendages damaged/missing]

X CL 1♂<sup>⑦</sup> 1♀ Little Moehau, Mt Moehau, S10: 260/148, in overgrown rock jumble, 7 Jan 1992, G. Sherley (NZAC) [Female genitalia in accompanying minivial] PARATYPES

1 hol ♂ + paratypes  
8♂ males, 3 females (All present March 2004)  
Holotype ♂ + 11 paratypes (8♂ males, 3♀ females)  
Between 500 + 610 m.  
Live specs collected November, January, February.

Holotype ♂ + 11 paratypes (8♂♂, 3♀♀).

(2) STECS EX 77 (M. I. F. A.) Tubes 4, 5, 6 & 8 from G. Sherley id. June 1992.)  
Geodorcus auriculatus (Broun)

Data sheet Geodorcus auriculatus

CL 1♂<sup>x</sup> Thames [not on label but in description] no date, collector probably Mr R Curtis [in description, not on specimen] BMNH  
OK. Labels as follows: (1) syntype; (2) New Zeal. Broun Coll. Brit. Mus. 1922-482; (3) Lissotes auriculatus ♂ [Broun's H.W.]; (4) 2811♂ [Broun's H.W.]  
LECTOTYPE

BP 1♂<sup>✓</sup> Summit of Mt Te Aroha, 950m, 8 Jan 1985, J. Welch, dead in water channel on side of road (NZAC).

BP 1♀ Mt Te Aroha, 950m, 3 Nov 1977, H. Ruhberg (NZAC)

BP 1♀ Mt Te Aroha, 950m, 6 Mar 1985, R. Craw, at TV transmitter, dead near carport (NZAC).

BP 1♂ (part of head only) Mt Te Aroha, 6 Mar 1985, B A Holloway under stone near summit (NZAC).

BP 1♀ Mt Te Aroha, 900 m, 10 Jan 1986, B A Holloway, dead on track to summit (NZAC).

XCL 2♂<sup>x</sup> (Small specimens) Johnsons Trig 1092, T12: 394/597, 9 Jan 1992, G Sherley [The Grid Reference conversion by TKC is wrong, Trig 1092 is 395/599, just to the N of Thames, 5 km E of Te Puru, i.e. 37°03'S, 175°36'E. See Keith Owen 1991] NZAC  
X Tube 4

YCL 1♂<sup>✓</sup> Manauia [36°51', 175°29'] Coromandel Peninsula, T11: 376/748, 650m altitude, 28 Jan 1992, R. Thorpe (NZAC) [left middle leg used by Treweek for DNA, now in accompanying tube]

X Tube 6 1♂ T12: 489/511, near Mt Mohutapere, 650m, Jan 1992, G. Sherley (NZAC) [37°07', 175°40', just W of Mohutapere Summit.]

CL 1♂<sup>x</sup> (incomplete dried fragments) Trig 1092: 397/599, 10 Jan 1992, G. Sherley (NZAC) Mounted on card  
X Tube 8

CL 1♂<sup>x</sup> Grace Darling catchment, southern Coromandel Range [Grid 54.9, 25.3] [37°21', 175°46'] 500m, 3 Nov 1988, (under partly rotting log) A. Garrick (NZAC)  
This specimen missing in March 2004.

XBP 2♂<sup>x</sup> (fragments) Mt Te Aroha 6 Feb 1991, Keith Owen, NZMS 260 T13 (Paeroa) 538 048  
Specs mounted on card, 1 lacking the head

③ Geodorcus capito (Deyrolle). Chatham Is. ①

- 1♂ Chatham I, Tuku, 20 Feb 1967, coll ?, Chatham I. Exp. Feb 1967 (NZAC)
- 40♂ Chatham I. Tuku, 22 Feb 1967, G.W. Ramsay, Chatham I. Exp. Feb 1967 (NZAC).
- 1♂ 2♀ Chatham I, Taiko Camp, 23 Dec 1987, G. Messenger (NZAC)
- 1♂ " " " " 24 " " " " (NZAC)
- 1♂ <sup>1♀</sup> Missing March 2004 South East Island, (150m) Chatham Is, 4 Nov 1970, on tree trunks Olearia traversii at night, J.I. Townsend (NZAC)
- 1♂ South East Island, Chatham Is, 3 Nov 1970, under logs [among] Olearia traversii, J.I. Townsend (NZAC)
- 1♂ South East Island, Chatham Is 3 Nov 1970, under logs [among] Olearia traversii, J.I. Townsend. NOT Lissoles desmaresti Deyrolle, comp with type, B.P. Moore '81 (NZAC)
- 20♂ Star Keys, Chatham Is, 6 Jan 1982, E.C. Young (NZAC)
- 10♂ Mangere Island, Chatham Is 4-21 Jan 1924, C. Lindsay, A.E. Brookes Collection (NZAC)
- 10♂ Manapou, Chatham Is 2 Jan 1924, C. Lindsay, A.E. Brookes Collection (NZAC)
- 1♀ Chatham Island, Lissoles dispar ♀, [no] 43, A.E. Brookes Collection (NZAC)
- 1♀ Chatham Is, Jan 1938, Mrs N.G. Mitchell, E.S. Gourlay Acc 1970, Ent. Div. (NZAC)

Additional records from Holloway 1961: -

- 1♂ Te Whakuru, ~~Chatham I~~, Chatham I, no date, S.D. Shand, holotype of dispar (BMNH)
- 1♀ Chatham I, no date, Hutton Coll<sup>n</sup> (CMNZ)
- 10♂ Chatham I, 1933 coll. ? (AMNZ)
- 20♂ 1♀ Mangere I, 4-21 Jan 1924, C. Lindsay (CMNZ)
- 10♂ 1♀ Owenga, Chatham I, Feb 1933, coll. ? (AMNZ)
- 10♂ South East I, 3 Feb. 1954, R.R. Forster (CMNZ)
- 20♂ Manapou, Chatham I, 2 Jan 1924, C.J. Lindsay (CMNZ)
- 10♂ 1♀ Pitt I. 1928, Coll ? (AMNZ)
- 10♂ Holotype of capito labelled - (1) Type [unrelabeled]; (2) capito HD [monogram HD] type I. Chatham; (3) Ex-Museo Mniszech; (4) Lissoles capito H. Deyrolle Holotype of J.P. Lacroix det. 1975. indistinguishable! (MNHN)
- 10♂ 1♀ Taiko Camp, Tairāni River, Chatham Is 18-12-84-20-1-85 R.G. Pavlosand (LUNZ)
- 10♂ NZCI, Mangere Island, Robin Bush, 3 XI 1992, J.W. Marris (LUNZ)
- 10♂ 1♀ NZCI, Rangātira, 27 XI 1992 P. Syrett, on tree at night (LUNZ)
- 10♂ 1♀ Pitt Island, Waipoua Scenic Res., Half Chain, 16.1.90, RM Emberson ~~1992~~ under rotten snag on Dracophyllum arboreum (LUNZ)
- 10♂ Pitt Island, Waipoua Scenic Res., Half Chain, 16.1.1990 J.W. Early, rotten wood and debris on Dracophyllum arboreum LUNZ
- 26♂ 25 females 14 females, Nov-Feb., at night on tree trunks, under logs, under rotten snag on Drac. arboreum, rotten wood & debris of Dracophyllum.

# Geodorcus capito (Deyrolle) (2)

## Geodorcus capito

all: MUNZ

- |    |                         |              |              |              |                      |
|----|-------------------------|--------------|--------------|--------------|----------------------|
| 1♂ | Mangere I, Chatham Is,  | Oct 1987     | A. Tennysen, | found dead   | ( <del>NMNZ</del> )  |
| 1♀ | Star Keys,              | " "          | 10 Feb 1988, | A. Tennysen  | (NMNZ)               |
| 1♀ | South East I.,          | " "          | 17 Jan 1991, | A. Tennysen, | on tree trunk (NMNZ) |
| 1♀ | Taiko Camp, Chatham I., | 17 Dec 1993, | A. Tennysen  | (NMNZ)       |                      |

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Geodorcus helmsi (Sharp) Complete 4/7/90

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Geodorcus helmsi (Sharp, 1881)

- FD 3 ♂, 1 ♀ Bauza I., March 1984, C.F. Butcher Pit trap 21/7 (NZAC)
- " 20 ♂, 19 ♀ " " " " Pit trap 40/10 "
- " 14 ♂, 14 ♀ " " " " Pit trap 22/9 "
- " 1 ♀ Secretary I., Thomson Sd., March 1984, C.F. Butcher, pit trap 34/6 (NZAC)
- " 5 ♂, 28 ♀ Bauza I., March 1984, C.F. Butcher, pit trap (NZAC)
- " 5 ♂, 1 ♀ " " " " Pit trap 44/5 (NZAC)
- " 5 ♂, 2 ♀ " " " " " " 22/9 (NZAC)
- " 1 ♀ " " " " " " 10/5 (NZAC)
- " <sup>4546</sup> 16637 1 ♀ Resolution I., Disappointment Cove, 22 May 1982, C.F. Butcher, under driftwood (NZAC)
- " 3 ♂, 4 ♀ Secretary I., Thomson Sd., March 1984, C.F. Butcher, sites 32+12 (NZAC)
- " 1 ♂, 4 ♀ " " " " " " site 16/7 (NZAC)
- " 1 ♀ " " " " " " site 18/5 (NZAC)
- " 1 ♀ " " " " " " site 15 (NZAC)
- " 1 ♂, 3 ♀ " " " " " " Pit trap 34/6 (NZAC)
- " 1 ♂, 1 ♀ " " " " " " " " 23/9 (NZAC)
- " 1 ♀ " " " " " " " " 11/6 (NZAC)
- " 1 ♂, 1 ♀ " " " " " " " " 17/10 (NZAC)
- " 1 ♀ " " " " " " " " 17/8 (NZAC)
- " 1 ♂ Resolution I., Disappointment Cove, 22 May 1982, C.F. Butcher, on tree trunk (NZAC)
- " 3 ♂ Secretary I., Thomson Sd., March 1984, C.F. Butcher, Pit trap 5/6 (NZAC)
- " 4 ♂ Bauza I., March 1984, C.F. Butcher, pit trap 40/10 (NZAC)
- " 5 ♂ " " " " " " 21/7 (NZAC)
- " 2 ♂ " " " " " " 10/8 (NZAC)
- " 2 ♂ " " " " " " 10/5 (NZAC)
- " 1 ♂ " " " " " " 18/5 (NZAC)
- " 1 ♂ " " " " " " 10/8 (NZAC)
- " 1 ♂ " " " " " " 20/5 (NZAC)
- " 1 ♂ " " " " " " 9
- 29 ♂ " " " " " " pit trap (NZAC)
- ✓ LV 1 ♂ Bluff, 18 Jan 1959, J.I. Townsend (R.M. Bull Coll<sup>n</sup>, NZAC) 4636 16820
- 20 ♂ <sup>Grant</sup> locate Poison Creek, Fiordland, May-June 1966, M. Harrison (R.M. Bull Coll<sup>n</sup>, NZAC) <sup>no E. CO. locality</sup>
- 3R ✓ 1 ♂ Charleston, bay just S. of Constant Bay, 20 Feb 1980, I.D. McEllan, dead in rock pool (NZAC)
- BR 1 ♂ Berlins, Buller Gorge, 23 Oct 1961, J.I. Townsend (R.M. Bull Coll<sup>n</sup>, NZAC) <sup>4152 17150</sup>
- BR 1 ♂ Reefton Saddle, West Coast, 31 May 1958, coll? (" " " " " " ) 4209, 17145
- FD 1 ♂ Rowallen, Te Wae Wae Bay, 22 Jan 1963, R.M. Bull ( " " " " " " ) 4610 16731
- FD 1 ♂ Stillwater River, Mar 1949, L.J. Dumbleton (NZAC) 4501, 16724
- FD 20 ♂ <sup>4610</sup> <sup>16731</sup> Te Wae Wae Bay 23 Jan 1963, R.M. Bull (R.M. Bull Coll<sup>n</sup>, NZAC)
- SI 1 ♂ <sup>4652</sup> <sup>16808</sup> Port William, Stewart I., 21 Jan 1976, A.C. Harris (R.M. Bull Coll<sup>n</sup>, NZAC)
- SL 1 ♂ 7 ♀ Bluff Hill, 21 July 1966, R.M. Bull (R.M. Bull Coll<sup>n</sup>, NZAC) 4637, 16820
- BR 1 ♂ Charleston, West Coast, 21 Sep 1962, J.I. Townsend (R.M. Bull Coll<sup>n</sup>, NZAC)
- BR 1 ♀ <sup>410381</sup> <sup>410381</sup> Granty, 23 July 1996, dead on first floor, 2.5 km S of Granty at 160 m. RJ Toft (specimen returned to RJ Toft - August 1996)

Geodorcus helmisi (2)

(2)

not Charles.  
Try Jan Townsend.

- ✓ WD Fragments Red Hill, 4310', Sth Westland, 8 Jan 1968, J.C. Watt, under boulder <sup>4420, 16820</sup> in tussock (NZAC)
- ✓ WD Fragments Mt Tuhua, 3650', 20 Nov 1984, BA Holloway, under Celmisia leaves (NZAC)
- ✓ WD " Mt Tuhua track, about 1000', 20 Nov 1984, BA Holloway (NZAC) <sup>4249, 17111</sup>
- ✓ FD 1♂ <sup>4528, 16710</sup> Helena Falls, Doubtful Sound, Manapouri Exp. Jan 1970, I. Townsend (NZAC)
- ✓ SL 23♂ Greenhills, Bluff, 17 Jan 1959, J.I. Townsend (NZAC) 4633, 16818
- ✓ SL 6♂ " " " " ES. Gourlay (NZAC)
- NN 1♂ Oparara, 13-19 Nov 1957, M.J. Eason (NZAC) 4113, 17208
- SL 1♂ Orepuki, 29 Nov 1937, E. Sorensen (NZAC) 4617, 16744
- ✓ SL Fragments Bluff Hill, 21 Jul 1966, R.M. Bull (R.M. Bull Coll<sup>n</sup>, NZAC)
- ✓ WD 1♂ <sup>4708, 16732</sup> Mt Tuhua, 3650', 4 Dec 1960, P.R. Kettle, under Celmisia (R.M. Bull Coll<sup>n</sup>, NZAC)
- ✓ SI 1♂ 1♀ Big Stage I. SW Stewart I., 28 Feb 1972, R.J. Nilsson (NZAC) [Big. = Stage I]
- ✓ FD 1♂ Deep Cove, Jan 1970, J.I. Townsend (NZAC) 4528, 16710
- ✓ SL 1♂ Houipapa [no other details] (NZAC) 4628, 16934
- ✓ SI 1♂ <sup>4714, 16728</sup> NE Long J., SW Stewart I., 18 Nov 1968, DSIR Exped. Nov 68 (NZAC)
- ✓ FD 2♂ Lake Hauraki, Jan 1948, J.S. Hood (NZAC) 4558, 16720
- ✓ SI 1♂ Oban, Stewart I. Jan 1945, A. Richardson (NZAC) 4654, 16807
- ✓ SL 2♂ Longwood Ra., 25 Nov 1962, J.I. Townsend & A.C. Eyles (NZAC)
- ✓ WD 1♂ <sup>4257, 17050</sup> Mt Greenland 2900', 1 Nov 1940, E.S. Gourlay (NZAC)
- ✓ NN 1♂ Oparara River, 8 Jan 1940, E.S. Gourlay COMPARED WITH TYPE BAH 1957, 4113, 17208  
4 miles N of West Wangamui, Nelson Province (NZAC)
- ✓ WD 1♂ <sup>4247, 17100</sup> Rimu, Westland, 25 August 1931, G. B. Rawlings COMPARED WITH TYPE <sup>BAH</sup> 1957, (NZAC)
- ✓ SL 2♂ 2♀ Pukemaori, Tuatapere, 25 August 1931, J.W. Bradley (NZAC) <sup>4605, 16748</sup>
- ✓ SL 1♂ Longwood Ra., Orepuki 29 Dec 1937, E. Sorensen (NZAC) <sup>4613, 16750</sup>
- ✓ FD 1♂ Helena Falls 800' [Doubtful Sd] 8 Jan 1963, A.C. Eyles (NZAC)
- ✓ SI 1♂ 1♀ Port William, Stewart I., 7 Feb 1969, J.I. Townsend (NZAC)
- ✓ SI 1♂ <sup>4647, 16738</sup> Codfish I., Bush, E end of Sealers Bay 9 Dec 1966, 200'-400' B.D. Bell (NZAC)
- ✓ SI 1♂ 1♀ Christmas Village, Stewart I., 26 Jan 1962, J.I. Townsend (NZAC) 4646, 16807
- ✓ FD 1♂ West Arm, Manapouri, Jan 1970, I. Townsend DSIR Exp<sup>n</sup> (NZAC) <sup>4531, 16719</sup>
- ✓ FD 1♂ Puysegur Point, Southland, AWB Powell, (A.E. Brookes Coll<sup>n</sup>, NZAC) 4609, 16636
- ✓ SI 1♂ <sup>4656, 16808</sup> Ulva, 12 Sep 1914, 1365 (BHW) T. Brown Dup Coll<sup>n</sup> (NZAC)
- ✓ BR 1♂ <sup>4145, 17128</sup> Cape Foulwind, R.S. Sutherland, 1922 (A.E. Brookes Coll<sup>n</sup>, NZAC)
- ✓ SI 4♂ 4♀ Stewart I., Feb 1943, A.E. Brookes (A.E. Brookes Coll<sup>n</sup>, NZAC)
- ✓ SI 4♂ <sup>4654, 16809</sup> Halfmoon Bay Stewart I., 16 Jan 1945, A. Richardson, (A.E. Brookes Coll. NZAC)
- 1♂ No data (A.E. Brookes Coll<sup>n</sup> NZAC)
- 1♂ Stewart I., Feb 1943, A.E. Brookes (A.E. Brookes Coll<sup>n</sup>, NZAC)
- ✓ SI 1♂ 1♀ Forks, S Westland, 1916, A.E. Brookes (A.E. Brookes Coll<sup>n</sup> NZAC)
- 1♂ <sup>4227, 17112</sup> W. Coast probably Greymouth, T.R. Harris, (A.E. Brookes Coll<sup>n</sup> " )
- ✓ SI 1♂ Port William, Stewart I., 7 Feb 1969, A.C. Eyles (NZAC)
- ✓ SI 1♂ 1♀ " " " " J.I. Townsend (NZAC)
- ✓ SL 2♂ 1♀ Ermedale Forest, Longwood Ra, Southland, 17 Sep 1968, J.C. Watt, under log (NZAC)  
4614, 16757

Geodorcus helmsi (Sharp)

- ✓ SL 3♂ Riverton, 4 Feb 1938, A.C. O'Connor (NZAC) 4621, 16801  
 ✓ BR 1♂ Reefton Saddle, Nelson, 1 Dec 1969, J.I. Townsend (NZAC)  
 ✓ FD 1♂ Deep Cove [Manapouri] Fiordland, 10 Jan 1963, coll? (NZAC)  
 ✓ FD 1♂ Hump Ridge 2000', 30 Nov 1962, J.I. Townsend & A.C. Eyles (NZAC) 4608  
 ✓ FD 1♂ " " 3000', 15 Feb 1963, J.I. Townsend (NZAC) 16719  
 ✓ FD 1♂<sup>4437</sup><sub>16750</sub> Milford Sd, 22 Jan 1962, G. Kuschel (NZAC)  
 ✓ SL 1♂ Ermedale Forest, Longwood Ra, Southland, 17 Sep 1968, J.C. Watt, under log (NZAC)  
 ✓ SI 1♂ BSC Long I., N. Peak 550', SW Stewart I., Nov 1968, J. McBurney, under rock (NZAC)  
 ✓ FD 1♂<sup>4612</sup><sub>16704</sub> Waitutu, 27 Feb 1911, coll? (NZAC)  
 ✓ WD 1♂<sup>4328</sup><sub>17012</sub> Franz Joseph Glacier, 21 Oct 1954, P. Graham (NZAC)  
 - 1♂ No locality, Brown Coll<sup>n</sup> 1915, 3472 ♂ (BHW) (AE Brookes Coll<sup>n</sup> - NZAC)  
 - 5♂ No data (NZAC)  
 ✓ WD Fragment Mt Hercules, Westland, Dec 1960, J.I. Townsend (NZAC) 4310  
 ✓ BR 1♂<sup>4233</sup><sub>17108</sub> Camerons, 2 September 1932 coll? (ES Gourlay Coll., NZAC) 17028  
 ✓ FD 1♂<sup>4527</sup><sub>16708</sub> Pass Burn, 61m, Deep Cove, Doubtful Sound, Jan 1970, I. Townsend (NZAC)  
 ✓ SL 1♂<sup>4608</sup><sub>16749</sub> Bald Hill, Longwood Ra, 2500', in Poa sward, 7 May 1984, J.S. Dugdale,  
 [Dead when collected] (NZAC)  
 FD 1♂ 1♀ Puysegur Point, 1365, [Brown H/W] T. Brown Dup Coll<sup>n</sup> (NZAC)  
 ✓ SL 1♂ Longwood Ra, 25 Nov 1963, J.I. Townsend & A.C. Eyles (NZAC) 4613  
 ✓ SL 1♂<sup>4557</sup><sub>16916</sub> 1♀ Tapanui, 1955, Mr Wilson, (NZAC) 16750  
 ✓ FD 1♂ Bauza I., March 1984, C.F. Butcher, pit trap 40/10 (NZAC)  
 ✓ SI 1♂ 1♀ Port William, Stewart I., 7 Feb 1969, B.A. Kuschel, under stone (NZAC)  
 ✓ FD 3♀ Hump Ridge 3000', 15 Feb 1963, R.M. Bull (RMBull Coll<sup>n</sup>, NZAC)  
 ✓ NN 4136 17158 2♀ Fletchers Creek, 8 Mar 1972, J.C. Watt (NZAC) (PB 15 BR/NN) 4531, 16711  
 ✓ FD Fragment Mt Wilmot, 1400 m, J. McBurney, Jan 1970, Manapouri Exped<sup>n</sup> (NZAC)  
 ✓ BR 4155, 17154 1♀ Inangahua, West. S.F., Stony Creek, Type PB 15, 26 Jan 1972, J.S. Dugdale (NZAC)  
 ✓ BR 4223, 17119 1♀ Rewanui, Greymouth, 2500', 26 May 1958, R.M. Bull, (RMBull Coll<sup>n</sup> - NZAC)  
 ✓ WD 1♀ Mt Tuhua, 3650' (10m from summit), 20 Nov 1984, B.A. Holloway, 1 cm  
 below surface in wet soil at base of Celmisia (NZAC)  
 ✓ SI BSC 2♀ NE Long I., SW Stewart I., 18 Nov 1968, coll? [DSIR exped<sup>n</sup>] (NZAC)  
 ✓ FD 2♀ Hump Ridge, 3000', 15 Feb 1963, J.I. Townsend (NZAC)  
 ✓ SI 2♀ Port William, Stewart I., 7 Feb 1969, J. McBurney Pit Sand [?] (NZAC)  
 ✓ WD 4242 17136 1♀ Alexander Ra, 4500', subalpine, Westland, 14 Apr 1963, M. Sinclair (NZAC)  
 ✓ SI 1♀ Port William, Stewart I., 7 Feb 1969, J. McBurney (NZAC)  
 ✓ SI BSC 1♀ NE Big South Cape I., 22 Feb 1969, J. McBurney (NZAC) 4714, 16728  
 ✓ BR 4207 17150 1♀ Reefton, 15 Apr 1963, D. Read (NZAC)  
 ✓ SI 1♀ Codfish I., Sealers Bay, 13 Dec 1966, J.I. Townsend (NZAC)  
 ✓ SL 1♀ Puke maori, Tuatapere, 25 August 1931, J.W. Bradley (NZAC) 4605  
 - 20♀ no data (NZAC) 16748  
 ✓ BR 1♀ Greymouth 1365♀ (AE Brookes Coll<sup>n</sup>, NZAC)  
 ✓ SI 4653 16757 2♀ Freshwater Hut, Stewart I., 27 Nov 1968, J. McBurney (NZAC)  
 ✓ FD 4616 16713 1♀ Wairaurhiri, 27 Feb 1911, coll? (ES Gourlay Acc. NZAC)

G. helmsi (4)

(4)

Geodorcus helmsi (Sharp)

- ✓ SI 10♂ 2♀ Halfmoon Bay, Stewart I., 16 Jan 1945, A. Richardson (NZAC) 4654, 16809
  - ✓ SL 4638 16922 1♀ Chaslands Mistake, Cathedral Caves, 6 May 1984, J.S. Dugdale, on beach (NZAC)
  - ✓ FD 1♀ Hump Ridge, 3000', 15 Feb 1963, R.M. Bull (R.M. Bull Coll<sup>n</sup>, NZAC)
  - ✓ BR 4224 17115 1♀ Runanga 26 Jan 1926, no 294, coll? (NZAC)
  - ✓ BR 4216 17122 1♀ Fagans Creek, Mt Ryall, 1000', Westland, 8 Apr 1962, W.F. Hayes (NZAC)
  - ✓ FD 10♂ Lake Fraser Feb 1985, A. Frampton (NZAC) 4554, 16631
  - ✓ NN 10♂ 4107 17205 2♀ Mouth Kohitahi R., W. Nelson, 2 Mar 1938, A. Richardson (NZAC)
  - ✓ NN 4115 17206 2♀ N. Karamea, 3 Mar 1938, coll? (NZAC)
  - ✓ BR Fragment 7 mi S of Reefton, 5 Nov 1958, M.J. Esson (NZAC) 4207, 17150
  - ✓ BR 1♀ Inangahua, Nelson, 10 Mar 1938, A. Richardson (NZAC)
  - ✓ NN 4113 17208 1♀ Oparara, AR/CE Clarke exchange (NZAC)
  - ✓ SL 4626 16824 1♀ Tisbury, 27 Apr 1912, coll? (ESG Acc<sup>n</sup> - NZAC)
  - ✓ BR 4200 17152 1♀ Boatmans, Westland, 2322 T. Braun Dup. Coll<sup>n</sup> (NZAC)
  - ✓ BR 1♀ Boatmans Cr, Inangahua, 6 Mar 1972, J.M. Burney Beech Hill<sup>n</sup> Proj (NZAC)
  - ✓ BR 10♂ 3♀ Reefton, 12 Apr 1977, J.A. Wightman, pit trap in burnt pine (NZAC)
  - ✓ SI 4652 16807 10♂ Lee Bay, dead on sand below peat bog, 9 Mar 1986, J.S. Dugdale (NZAC)
  - ✓ NN 50♂ 16♀ N. Karamea Beach, 3 Mar 1938 A. Richardson (AMNZ)
  - ✓ NN 20♂ 2♀ " " " 10 Mar 1938 " " (AMNZ)
  - ✓ BR 1♀ Inangahua 10 Mar 1939 A. Richardson (AMNZ)
  - ✓ WD 4313 17010 10♂ Okarito, no date, Graham Bros (NMNZ)
  - ✓ SL 20♂ 1♀ Catlins River, - Oct 1940, G. Howes (AMNZ) 4629, 16943
  - ✓ DN 10♂ Waihola 29 Mar 1938, coll? (CMNZ) 4601, 17006
  - 10♂ 1♀ Otago, no date, G. Howes (NMNZ)
  - ✓ FD 60♂ 4437 16750 14♀ Milford Sd, 19 Dec 1944, under log, J.T. Salmon (NMNZ)
  - ✓ FD 20♂ " " 14 Dec 1944, J.T. Salmon (NMNZ)
  - ✓ FD 10♂ " " 20 Jan 1946, coll? (NMNZ)
  - ✓ FD -10 " " 7 Jan 1928 coll? (NMNZ)
  - ✓ FD 10♂ 4443 16758 Cleddau River, Milford Sd., 7 Jan 1928, A. Richardson (AMNZ)
  - ✓ FD 4453 16723 2♀ George Sd., 21 Apr 1949, C.J. Lindsay (NMNZ)
- Records from the literature: (not examined by BAH)
- ✓ SL Longwood Ra., at 804 m, no date, above the bushline. (Patrick et al. 1987).
  - ✓ SL Mokereta (big) No. 2, Slopedown Ra., 26 Jan - 27 Apr. 1986, pitfall traps 620m above bushline, at 580 m. (Patrick et al. 1986).
  - ✓ FD 20♂ Stillwater River, 10 Mar 1949, C.J. Lindsay (NMNZ)
  - ✓ FD 4503 16718 10♂ 2♀ Caswell Sound 22 Mar 1949 R. K. Dell (NMNZ)
  - FD local 2♀ Leslie Clearing 15 Mar 1949 " " (NMNZ)
  - ✓ FD 20♂ 4507 16724 Stillwater River, 11 Mar 1949 " " (NMNZ)
  - ✓ FD 4517 16655 10♂ Doubtful Sound no date H. Odey (NMNZ)
  - ✓ FD 10♂ 4457 16750 Worsley Arm, Lake Te Anau 26 Dec 1927 coll? (AMNZ)
  - ✓ SL 10♂ Longwood Ra, Otautau 9 Mar 1938, A.C. O'Connor (CMNZ)
  - ✓ SL 10♂ " " (1000 ft), 18 Dec 1959, J.H. Sorensen (NMNZ)
  - SI Fragments of 30 specs., Mt Gog summit c. 450. Emberson (1975) 47°12', 167°33'
  - SI. Port Pegasus 3 specs. (Emberson 1975). 47°14', 167°42'



⊛ Probably Blue Cliffs Ridge 41°44', 172°22' (near Murchison)  
 not likely to be Blue Cliffs 44°30' 170°58' (SW of Timaru).  
Geodorcus helmsi (Sharp 1881)

(5)

- SL 1♀ Orepuki, 15 Jan 1944, C.E. Clarke (AMNZ)
- SL 2♂ 2♀ " 29 Dec 1937, E Sorensen (CMNZ)
- SL 1♂ " 17 Apr 1948, J.H. Sorensen (NMNZ)
- SL 1♂ 1♀ " - Oct 1910, A.C. O'Connor (NMNZ)
- ? 3♂ (Bluecliff) 24 Dec 1929, coll? (AMNZ) ← can't locate.
- SL 2♂ Bluff, - Jan 1945, A. Richardson (AMNZ)
- SL 1♂ Bluff Hill, 30 Jan 1947, C.E. Clarke (AMNZ)
- SL 2♂ Riverton, 18 Jan 1944, C.E. Clarke (AMNZ) 4621, 16801
- SL 1♂ " 20 Jan 1944 " " (AMNZ)
- FD 1♂ Hump Mt, 1 Jan 1922, coll? (AMNZ)
- SI 1♂ 1♀ Stewart I. 8 Jan 1947, C.E. Clarke (AMNZ)
- SI 4♂ 1♀ Oban [St. I] - Jan 1945 A. Richardson (AMNZ) 4654, 16807
- SI 1♂ Horseshoe and Halfmoon Bays [St. I] 21-25 Nov 1946, R.R. Forster (NMNZ)
- SI 1♂ 2♀ Easy Cove, <sup>Harbour</sup> SW Stewart I., <sup>4710, 16734</sup> 25-26 Jan 1955 R.K. Dell & B.A. Holloway (NMNZ)
- SI 3♂ Murderers Cove, Big South Cape I., 1932, Major Wilson (NMNZ) <sup>4714</sup> 16725
- SI 1♂ <sup>4707</sup> 16808 Owen I., 29 Jan 1955, R.K. Dell & B.A. Holloway (NMNZ)
- FD 2♂ 2♀ Secretary I., 26 Nov 1981, around hut at night, C.F. Butcher (NZAC)
- FD 4♂ 1♀ " " 20-30 May 1982, under rocks above bushline, C. Reed (NZAC)
- FD 1♂ 2♀ Resolution I., May 1982, ex moss, C.F. Butcher (NZAC)
- FD 1♂ 1♀ Bauza I., 26 Nov 1981, C.F. Butcher & P. Johns (NZAC)
- FD 3♂ 7♀ Secretary I., Mar 1984, pit trap, C.F. Butcher (NZAC)
- FD <sup>4536</sup> 16640 1♀ Breaksea Sd., Gilbert I. No. 6, May 1982, ex moss, C.F. Butcher (NZAC)
- FD 1♀ Resolution I., Disappointment Cove, 26 May 1982, sifted litter and moss 82/62, C.F. Butcher (NZAC)
- FD 1♀ Secretary I., near Gut Hut, May 1982, C. Reed (NZAC)
- FD 1♀ " " ridge, 850m 29 Nov 1981, on tussock, C.F. Butcher (NZAC)
- FD 3♂ 2♀ Bauza I., 26 Nov 1981, pit trap C.F. Butcher (NZAC)
- FD 1♂ <sup>4547</sup> 16626 Dusky Sound, Feb 1987, Operation Raleigh Trek I, A. Frampton (NZAC)
- FD 1♂ Resolution I., May 1982, rotten wood, C.F. Butcher (NZAC)
- FD 4♂ Secretary I., Mar 1984, pit trap C.F. Butcher (NZAC)
- FD 1♂ " " 14-21 Jan 1987, The Gut area, G.W. Gibbs (NZAC)
- FD 1♂ Resolution I., Disappointment Cove, 22 May 1982, ex lichen, C.F. Butcher (NZAC)
- FD 1♂ " " " " 9 Mar 1983, at night, C.F. Butcher (NZAC)
- BR 1♂ <sup>Hol. helmsi</sup> Greymouth
- ~~SE 1♂ <sup>Hol. acuminus</sup> Invercargill~~ Not in BINH. Not seen 4625, 16822
- BR 1♀ <sup>Hol. acuminus</sup> Boatmans, near Reefton 4200, 17153

⊛ NB The Bluecliff record is a problem. The only map loc. I can find is Blue Cliffs 44°30', 170°58' S of Timaru. It is a 1929 record.

- SI 1♂ Stewart I., Feb 1943, A.E. Brookes (NZAC)
- SI 1♂ 1♀ " W. Traile no date (NZAC)
- SI Solander I. West Bay, 16 Feb 1996, A. Tennyson In soil under rocks c 15m a.s.l. (MONZ)

Geodorcus helmsi (6)

- SI 10<sup>1</sup> 10 North Bay, Solander I., 16 Feb 1996, A. Tennysom (NMNZ) <sup>46° 35'</sup> 166° 54'
- ED <sup>45° 43'</sup> 165° 35' ? 10 Facile Harbour, Resolution I., Firdland, 11 Jan 1987, J. Jolly (Wildlife) (NMNZ)
- D <sup>45° 45'</sup> 165° 36' 10<sup>1</sup> Earshell Cove, Resolution I., Firdland, 11 Jan 1987 J. Jolly (Wildlife) (NMNZ)
- D 307 <sup>46° 05'</sup> 166° 34' South Port, Chalky Inlet, Firdland, 22 Nov 1996, C.D. Paulin (NMNZ)

5

Geodorcus ithaginiis (Brown)

Geodorcus ithaginiis

Specimens Examined

- ND 1 ♂ Mokoianau Is., Stack 'H', 3 Jan 1984, I. Southey (NZAC)
- " 1 ♂ (fragments) " " " " (NZAC)
- " 1 ♀ (fragments) " " " " (NZAC)
- " 1 ♀ (1) no details (2) Cawthron Institute Collection (3) Lissotes ithaginiis Brown  
(4) Dorus ithaginiis (Brown) ♀ Det BA Holloway 1957. (NZAC)
- " 1 ♀ (1) Lissotes ithaginiis [in Browns handwriting] (2) T Brown Dup. Coll.  
(3) Dorus ithaginiis (Brown) ♀ Det BA Holloway 1957. (NZAC)

6

Geodorcus monh'vagus Holloway ①

②

G. monh'vagus

TYPE DATA Holotype female ~~measuring~~ [21.1 x 10.9 mm, including mandibles, with left wing and macerated genitalia in accompanying minivial]: New Zealand, BR, Victoria Range [approximately 42°08', 172°07'], 4000ft [1220m], in tussocks, 30 January 1973, R.K. Jordan (NZAC). The specimen lacks 2 tarsal segments on the right front leg, and ~~on the~~ left hind leg, 3 on the left middle leg, and 4 on the right hind leg. The posteroventral spur is broken on the left hind leg and missing on the right hind leg.

(7)

Geodorcus novaezealandiae (Hope) (1)

Geodorcus novaezealandiae (Hope, 1845)

WN 3♂, 2♀	Owhiro Bay, 15 Mar 1966, R.M. Bull, feeding at base of main stem of <u>Aciphylla</u> stem (NZAC) 41°21', 174°45'
WN 9♂, 6♀	Wiltons Bush, 27 Mar 1959 R.M. Bull (NZAC) 41°16', 174°45'
WN 3♂, 1♀	Wiltons Bush, 27 Mar 1959, J.I. Townsend (NZAC)
WN 2♂	" " 1963, R.M. Bull (NZAC)
WN 5♂	" " 25 Mar 1965, R.M. Bull (NZAC)
WN 1♀	" " 15 Mar 1942, E.S. Gourlay (NZAC)
WN 1♂	Red Rocks, 19 Nov 1963, R.M. Bull (NZAC) 41°21', 174°44'
WN 3♀	Wainuiomata, 2 Apr 1961, G. & C. Laurie (NZAC) 41°16', 174°57'
WN 1♂	Wiltons Bush [Hutt Valley]!! Sep 1969 R.C. Craw (NZAC)
- 3♂ 2♀	no data (NZAC)
WN 1♂ 1♀	Silverstream, Jan 1965, J. Stout (NZAC) 41°09', 175°01'
WN 1♂ 2♀	Happy Valley, 3 Mar 1941, Mr Forster (NZAC) 41°20', 174°45'
WN 1♂ 1♀	Wellington, no date, O'Connor [T. Brown Dup. C. no. 4430] (NZAC)
- 1♂ 1♀	no data except T. Brown Dup Coll, no. 4430, ♂ (NZAC)
WN 1♂	Wellington, 17 Mar 1942, A.C. O'Connor (NZAC) 41°17', 174°54'
WN 2♂	Butterfly Creek, Mar 1952, J.C. Watt, x bark of Rimu (NZAC) 41°20', 174°53'
WN 1♂	Silverstream, 19 Nov 1951, E.S. Gourlay (NZAC)
- 1♂, 1♀	no data (NZAC)
WA 2♂	Hurangi Rd. 1200', 26 Mar 1960 E.S. Gourlay (NZAC) [Aorangi Ra]
WA 1♀	Hurangi Rd, Siberia <sup>ting</sup> , 21 Jan 1959, R.A. Cumber (NZAC) [ " ] 41°22', 175°22'
WN 1♂	Eastbourne, Butterfly Creek, 30 Jan 1982, C.F. Butcher (NZAC)
WN 1♂ 3♀	Days Bay, Wghn, 8 Dec 1962, R.G. Ordish (MONZ)
Records from Holloway 1961.	
JA/WN 1♂	Western Lake Road Reserve, Wairarapa, 13 Sep 1960, R.G. Ordish (NMNZ) 41°09', 175°16'
JA 1♀	Lake Pounui, Wairarapa 13 Sep 1960, B.A. Holloway (NMNZ) 41°21', 175°07'
JN 1♀	Akataraua, 6 Feb 1953, M. Redington (NMNZ) 41°00', 175°10'
NN 3♂	Silverstream, 26 July 1910, A.C. O'Connor (NMNZ)
WN 3♀	" 31 Oct 1909 " " (NMNZ)
WN 1♂	Mt Matthews, 8 Feb 1930, E.A. Plank (NMNZ) 41°21', 175°01'
WN 1♂	Gollans Valley, 8 Dec 1923, T. Cockcroft (AMNZ) 41°21', 174°53'
WN 2♂	Gollans Valley, under scales of Rimu bark, 7 Jan 1943 J.T. Salmon (NMNZ)
WN 1♀	" " under scales of matai bark 24 Dec 1919 G.V. Hudson (NMNZ)
WN 1♂ 1♀	Butterfly Creek, 16 Nov 1958 S.V. Bandsma (NMNZ)
WN 6♂, 5♀	Days Bay, 15 Nov 1953, R.G. Ordish (NMNZ) 41°17', 174°54'
WN 1♂, 1♀	Days Bay, incop, 16 Oct 1958 R.G. Ordish (NMNZ)
WN 4♀	" " 16 Oct 1958 R.G. Ordish & B.A. Holloway (NMNZ)
WN 1♀	Korokoro 28 Sep 1939, G.V. Hudson (NMNZ) 41°13', 174°52'
WN 1♂	Wellington, 1923, G.V. Hudson (AMNZ)
WN 4♂, 1♀	" " no date Lewis's Coll (NMNZ)

# Geodorcus novaezealandiae (2)

Northernmost record: Akatarawa 41° 00' W/A  
Southernmost record: Siberia Trig (Aurangi Ra.) 41° 22' W/A  
From s.l. to about 365m

- JN 1♀ Wellington, 1900, coll? (AMNZ)  
JN 3♂ Wilton's Bush, 13 Mar 1943, G.V. Hudson (NMNZ) 41° 22'  
JN 1♀ Karori, 22 Nov 1941, R.R. Forster (NMNZ) 41° 17' 174° 44'  
JN 1♀ Karori, 3 August 1941, R.R. Forster (NMNZ)  
JN 5♀ Happy Valley, 23 Nov 1941, R.R. Forster (NMNZ)

## Other Published records

Moeed, Abdul & Meads M.J. 1985 NZJZ 12: 17-23. & others

- JN 3 specs Orongorongo Valley, pitfall trap in Broadleaf forest, Summer (Dec-Feb) 1975-76, Moeed & Meads. [NZJZ 12: 17-23]  
JN 12 specs " " " " Hardbeech " " 1 in winter (June-Aug), 2 in Spring (Sep-Nov), 4 in summer (Dec-Feb) & 5 in autumn (Mar-May) 1975-76, Moeed & Meads. [NZJZ 12: 17-23] Melicytus ramiflorus  
JN 1 spec. Orongorongo V, upward trap, 1.5 m above ground, on Mahoe, ~~at~~ between Nov 1979 & May 1981, Moeed & Meads. [NZJ. Ecol 6: 39-53].  
JN 1 spec " " " " downward trap, 1.5 m above ground on Hinewai, ~~at~~ between Nov 1979 & May 1981, Moeed & Meads. [NZJ. Ecol 6: 39-53] Elaeocarpus dentatus

(8)

Geodorcus philpotti (Brown) Specs examined.

(9)

- FD 1♀ Lake Fraser, Feb 1985, A.E. Frampton (NZAC)
- FD 8♂ 5♀ Hump Ridge 3000' [911m] 15 Feb 1963, R.M. Bull, RMBull Coll<sup>n</sup> (NZAC)
- FD 9♂ Green Lake Track, Monowai, 2000' [ m] 29 Nov 1962, A.E. Eyles (NZAC) Plot as Greenlake 45°47', 167°25'
- FD 17♂ 2♀ Hump Ridge 3000' [911m] 15 Feb 1963, J.I. Townsend (NZAC)
- FD 1♂ 1♀ Kaherekoau Mtns 4,500' [ ] 29 Jan 1963, RMBull, RMBull Coll<sup>n</sup> (NZAC) 45°53', 167°19'
- FD 1♂ Rowallan [Burn<sup>n</sup>] Te Wae Wae Bay, 22 Jan 1963, R.M. Bull (NZAC) 46°09', 167°32'
- FD 3♂ Mt Burns, 120 m, Hunter Mts Jan 1970, Manapouri Exp., J.I. Townsend (NZAC) 45°44', 167°24'
- FD 1♂ Mt Burns 1006m, Hunter Mts, upper bush edge, at night, Jan 1970, Manapouri Exp., J.I. Townsend (NZAC)
- FD 12♂ 1♀ Green Lake Track, Monowai, 2000' [ m] 29 Nov 1962, J.I. Townsend (NZAC)
- FD 2♂ Monowai Field Trip, 1000' [ m], E. side of Saddle, May 1967, W. Don (NZAC) Cannot plot this
- FD 1♂ Lake Hauroto [= L. Hauroko] Jan 1948, J.S. Hood [comp. with type, Dec 1957, BA Holloway] (NZAC) 45°59', 167°23'
- FD 4♂ Hump Ridge, Southland, 3000' [911m] 9 Feb 1968, J.I. Townsend (NZAC)
- FD 1♂ Hump Ridge, Southland, 3000' [911m] collected at night, 9 Feb 1968, J.I. Townsend (NZAC)
- ? 1♂ Seymour 1- n.sp. [Brown's HW], A.E. Brookes Coll<sup>n</sup>, LUC 119, Dorcus philpotti det BAH 1959. (NZAC) <sup>locality</sup> uncertain, cannot plot.
- FD 3♂ 1♀ Hump Ridge 2000' [ m], 30 Nov 1962, J.I. Townsend and A.C. Eyles (NZAC)
- FD 2♂ Mt Cleughearn, Billow Mts, Lake Monowai, South Is, Coll. Deer Stalkers, Feb 1946, Lissotes philpotti Brown ♂, det A.E. Brookes, A.E. Brookes Collection, LUC 113, Dorcus philpotti (Brown) ♂, det BAH 1959 (NZAC) 45°49', 167°25'
- ? 1♂ No data (NZAC)
- FD 2♀ Kaherekoau Mts, Monowai, 4500' [1372m] 29 Jan 1963 J.I. Townsend (NZAC)
- FD 1♀ Mt Burns, 1300m, Manapouri Exp. Jan 1970, I. Townsend (NZAC)
- FD 1♀ Mt Burns 1006m, Hunter Mts, upper bush edge, Manapouri Exp. Jan 1970, I. Townsend (NZAC)
- FD 1♀ Mt Burns 960m, Hunter Mts, at night in bush, Manapouri Exp. Jan 1970, I. Townsend (NZAC)
- FD 1♀ Grebe River 335 m, Manapouri Exp. Jan 1970, I. Townsend NZAC 45°35', 167°22'
- FD 1♀ Hunter Mts <sup>Mt Burns 1357m</sup> under Astelia, Manapouri Exp. Jan 1970, I. Townsend (NZAC)
- FD 1♀ Waituku [Burn<sup>n</sup>] 27 Feb 1911, n. o. d. (NZAC) 46°15', 167°05'
- FD 1♀ L. Hauroko [sic] Jan 1948, J.S. Hood, Dorcus philpotti det BAH 1957 (NZAC) <sup>prepared genitalia drawings</sup>
- FD 1♀ Puysegur Pt. 10 Feb 1922 2322, A.E. Brookes Coll<sup>n</sup>, LUC 115, Dorcus philpotti det BAH 1959 (NZAC) 46°09', 166°36'

⊙ det. not stated. Summit of Mt Cleughearn is 5164'

Geodorcus philpotti (Brown) (2)

G. philpotti (Brown) Specs. examined (2)

Additional localities from Holloway (1961).

- FD 1 ♂ 1 ♀ Te Waewae Bay 14 Jan 1944, C.E. Clarke (AMNZ) 46°08' 167°27'  
FD 1 ♂ Hump Mt 3000' [911 m], 10 Jan 1941 C.E. Clarke (AMNZ) 46°06' 167°21'  
FD 1 ♂ " " " 11 Jan 1944 . . . . . (AMNZ)  
FD 1 ♂ " " " 16 Jan 1944 . . . . . (ANNZ)  
FD 1 ♂ 1 ♀ " " 1 Jan 1922, coll. ? (AMNZ)  
FD 2 ♂, 2 ♀ " " ? 4006-4250' [ m], 19 Jan 1947 C.E. Clarke (AMNZ)  
FD 1 ♀ The Hump 23 Dec 1915, A.C. O'Connor (NMNZ) 46°06' 167°21'

\* The summit of The Hump is 3502'!

Northernmost record: Grebe River (45°35', 167°22'); southernmost record: Waitutu River 46°15', 167°05'

74 ♂♂, 26 ♀♀

From near s.l. (Rowallan <sup>Russell Pt</sup> Te Waewae Bay) to 1372 m (Kaherekoau Mts.) (cannot incl. Cleughau (5164') because alt is not given on spec.)

AMNZ, NZAC, NMNZ,

Coll Jan, Feb, May, Nov, Dec.

Additional Records

FD 1 ♂ nr Lake Fraserv, (Stu West Fiordland, Feb 1983, A.E. Frampton (NZAC))



9  
Geodorcus servandus Holloway

Type data. Holotype male  $\sqrt{31.0 \times 14.5}$  mm (including mandibles) with wings and macerated genitalia in accompanying minivial<sup>1</sup>: New Zealand, WD, Mt Tuhua summit, 1122 m, under Celmisia <sup>[tikumu]</sup>, 4 December 1960, P. R. Kettle (NZAC).

Paratypes (4 males, 3 females). Same data as holotype (NZAC).

Material examined. Type series only (NZAC).

-/WD, on Mt Tuhua (latitude  $42^{\circ}49'S$ ). See Text-figure .

Taken at 1122 m.

10

# Geodorcus sororum Holloway

## Geodorcus sororum - localities/paratypes

- CH: 10♂ **Hototype** Mid Sister I., The Sisters, 14 Nov 1973, A Wright, Dead on rock, landing. The Sisters Expedition, Chatham Is. (NZAC)
- CH: ✓ 10♂ Paratypes Mid Sister I., [The Sisters], 29 Oct [19]73, A. Wright, Bullers Cave Slope, on ice plant, The Sisters Expedition, Chatham Is (NZAC).
- " ✓ 10♂ " Mid Sister I., [The Sisters] 4 Nov [19]73, A Wright, Tussock Rock Pile, The Sisters Expedition, Chatham Is (NZAC).
- " ✓ 10♂ " Mid Sister I., [The Sisters] 17 Nov [19]73, A Wright. In tussock, landing, TSE, CI, (NZAC)
- ✓ 10♂, 1♀ " Mid Sister I., [The Sisters] 12 Feb [19]74, A Wright, under ice plant, Rock pile, [No] 67, TSE, CI, (NZAC) ♂ drawn by Dittelmore 26.9.90
- ✓ 10♂ paratype Mid Sister I., [The Sisters] 6 Feb [19]74, A Wright. Runway, [No] 61 ISECI (NZAC)
- ✓ 1 ♀ " Mid Sister I., [The Sisters], 29 Oct [19]73, A. Wright, under rock, camp site, TSE, CI (NZAC) (Has forked spermatheca)
- ✓ 1 ♀ " Mid Sister I., [The Sisters], 5 Nov [19]73, A. Wright, on Festuca coxii tussock, NW ledge, TSE, CI (NZAC)
- ✓ 1 ♀ " Mid Sister I., [The Sisters], 12 Feb 1974, A Wright, under rocks, ISECI (NZAC) (# eggs from abdomen in vial)
- ✓ 1 ♀ " Mid Sister I., Chatham Is., 12 Feb [19]74, A Wright, under fern, [No] 68, TSE, CI (NZAC).
- ✓ 30♂ " Chatham Is., Middle Sister I., 12 Jan 1980, R Chappell (**LUNZ**)
- ✓ 10♂ " NZ: CH: Sisters Is. [Mid] 20 Nov 1994, on open ground near rocks, Upper Bullers Cave, C. I. Robertson (NZAC)
- ✓ 40♂ " NZ: CH: Sisters Is [Mid] 19 Nov 1994, in iceplant, David Bell (NZAC)
- ✓ 10♂ " NZ: CH: Sisters Is [Mid], 19 Nov 1994, in burrow in soft soil, rock pile locality, David Bell (NZAC).
- ✓ 20 ♀ " NZ: CH: Sisters Is. [Mid] 27 Nov 1994, in ice plant, David Bell (NZAC)

The following not paratypes, from Holloway 1961:

- 10♂, 1♀, Sisters I., 29 Jan 1954, R.R. Forster (CMNZ)
- 10♂ " " " " " E.W. Dawson (CMNZ)
- (LUNZ, NZAC)

Specimens Examined Holotype ♂, 21 paratypes (14 ♂♂, 7 ♀♀) + 12 non-type specimens (11 ♂♂, 1 ♀) (CMNZ).

Adults found Jan, Feb, Oct Nov. On and under iceplant ⊕, in and on tussock, under fern, under rocks, in burrow [petrel] in soft soil, on open ground. ~~Disphyma~~ Disphyma australe (Horokaka)

①

Paralissotes mangonuiensis (Brookes)  
Paralissotes mangonuiensis (Brookes, 1927)

- ND 1♂<sup>3522</sup> 1♀<sup>17419</sup> Punaruku Stream, Russell S.F., 9 Aug 1985, in dead, fallen Kanuka log, K.J. & J.P. Fox (NZAC) ✓
- ND 1♂<sup>3527</sup> 1♀<sup>17443</sup> Poor Knights Is., Tawhiti Rahi, Shag Bay, 6 Sep 1980, under stones in clearing, J.C. Watt (NZAC) ✓
- ND 1♂<sup>3529</sup> 1♀<sup>17335</sup> Waima, 1 Nov 1966, leaf litter, R.A. Cumber (NZAC) ✓
- ND 1♂<sup>3527</sup> Poor Knights Is., Tawhiti Rahi, 6-12 Sep 1980, pit trap 80/77, J.C. Watt (NZAC)
- ND 1♂<sup>3529</sup> Holotype Oruru, Mangonui, 6 Sept, 1918, A.E. Brookes (NZAC)
- " 1♀<sup>17330</sup> (paratype) " " " " " " " " (NZAC)

Examine Holotype & Allotype

in Jan 78, 80, 81

The late Dr K.J. Fox collected this species at Waipona Forest (ND), Russell (ND), and Opuia (ND) (personal communication) and his records are included in the map.

Waipona Forest 35°30', 173°33', 18 Jan 1978 K.J. Fox

Opuia S.F. 35°19', 174°07', 27 Jan 1981 K.J. Fox

Russell 35°16', 174°07', 11 Jan 1980 K.J. Fox.

(2)

Paralissotes oconnori (Holloway)  
Paralissotes oconnori (Holloway, 1961)

- ND <sup>3427</sup>17247 1♂ (paratype) Pandora, Spirits Bay, [A.E. Brookes Coll<sup>12</sup>], Jan 1949, A.C. O'Connor (NZAC) ✓  
ND <sup>3428</sup>107 17245 Kauri Bush, near Mt Te Pahi, 27 Oct 1985, under rotten log, ✓  
C.J. Green (NZAC)
- ND <sup>3426</sup>17248 1♀ Spirits Bay, 10 Jan 1957, R.A. Cumber (NZAC) ✓  
ND 1♀ Kauri Bush, near Mt Te Pahi, under rotten tree fern log,  
27 Oct 1985, W. Eivers (NZAC)
- ND 107 <sup>3426</sup>17253 Unuwaho, Spirits Bay, 19 Dec 1972, beneath lacebark log,  
A.C. Harris (NZAC)
- ND 107 Missing Spirits Bay, 14 Dec 1972, A.C. Harris (NZAC)
- ND 107 Holotype, Pandora Track, Spirits Bay, 30 Nov 1960, under  
puriri log on open hillside, B.A. Holloway (NMNZ)

(3)

Paralissotes planus (Broun)

(1)

(1)

Paralissotes planus (Broun, 1880)

- ND 1♂ <sup>3438</sup> 17330 Waipoua River Bridge, 31 Oct 1985, R.C. Crews (NZAC) ✓
- ND 1♂ <sup>3503</sup> 17335 Te Koroa Res, Maungātaniwha Ra, 18 Nov 1985, rotten Hoheria log, B.A. Holloway (NZAC) ✓
- CL <sup>3634</sup> 17523 1♀ Wards Bush, Mt Moehau, 1500', larva under stone 2 Nov 1979, adult em. 5 Jan 1980, B.M. May (NZAC) ✓
- ND <sup>3522</sup> 17334 1♀ Waima, 17 Nov 1985, in rotten log, G.M. Herbert (NZAC) ✓
- CL 1♂ <sup>3612</sup> 17505 1♀ Little Barrier I, Nov 1964, rotten log in coastal forest, 75', C.A. Fleming (NZAC) ✓
- AK 1♂ <sup>3700</sup> 17434 Karamatuna Track, Huia, 24 Feb 1985, D.I. Gardiner (NZAC) ✓
- AK 1♂ 1♀ → Titirangi, July 1985, in rotten wood, E. Willis (NZAC) <sup>3656</sup> 17439 ✓
- ND 2♂ 2♀ → Kaitiaki, 29 Dec 1962, E.S. Gourlay (NZAC) <sup>3507</sup> 17316 ✓ 3543  
17417
- ND 1♂ 1♀ Pukerui Hills, Whangarei, bush, 21 Nov 1944, B. Given (NZAC) <sup>As Pukerui on labels</sup>
- ND 1♂ <sup>3539</sup> 17332 Waipoua S.F. Oct 1967, in wet rotten Podocarpus ferrugineus J.C. Watt (NZAC) ✓
- 1♂ " " " 17 Oct 1967, under bark of dead standing Kauri, J.S. Dugdale (NZAC)
- AK 2♂ <sup>3700</sup> 17434 Huia, 6 Sep 1966, in tunnels of Leptospermum scoparium B.M. May (NZAC) ✓
- ND 1♂ Waipoua S.F., 20 Sep 1977, dead in rotten stump, D.W. Helmore (NZAC)
- ND 3♂ 3♀ → Tauranga, Waimui Bay Saddle, N of Kaeo, 4 Nov 1967, J.I. Townsend (NZAC) <sup>3501</sup> 17356
- ND 1♂ <sup>3549</sup> 17431 Mt. Manaia, 50m, 21 Jan 1981, under log, B.A. Holloway (NZAC) ✓
- ND 2♂ <sup>3512</sup> 17330 Mangamuka Saddle, 5 Nov 1967, J.I. Townsend (NZAC) ✓
- ND 1♂ Waipoua S.F., 25 Nov 1980, ex rotten Agathis australis, G. Kuschel (NZAC)
- ND 1♂ " " " Kauri Ricker Track, 11 Apr 1988, ex rotten log, J.C. Watt (NZAC)
- CL 1♂ 1♀ Little Barrier I, 5 Oct 1975, J. Charles (NZAC)
- ND 1♂ <sup>3459</sup> 17332 Ma In'gonui, 4 Jan 1935, AE Brookes Coll<sup>n</sup> (NZAC) ✓
- ND 1♂ <sup>3542</sup> 17412 Kara, Whangarei, 24 Dec 1926, E. Fairburn (NZAC) ✓
- ND 1♂ Kara Forest, Whangarei, 15 Oct 1927, AE Brookes (NZAC)
- AK 1♂ <sup>3658</sup> 17514 Orece Pt., 26 Apr 1940, D. Spiller (NZAC) ✓
- AK 2♂ 2♀ → Waitakeres, Cutty Grass Track, 1 Jan 1944, M.W. Carter (NZAC) <sup>3700</sup> 17432 ✓
- 1♂ Mislabeled Otago, n.o.d., Brookes Coll<sup>n</sup> (NZAC) 3640, 17532
- CL ? Elytra only 10 km N of Kennedy Bay, 24 Mar 1977, in hollow kauri tree, G. Kuschel (NZAC)
- ND <sup>3552</sup> 17408 1♀ Horokaka Peak, 1700', Tangi<sup>hanga</sup> Ra, 16 Aug 1977, J.S. Dugdale (NZAC) ✓
- AK <sup>3623</sup> 17447 1♀ Tawharanui, in rotten wood, 19 Apr 1954, J.C. Watt (NZAC) ✓
- AK <sup>3708</sup> 17512 1♀ Mangatangi, Hunua Ra., 8 Feb - 8 Mar 1977, ARA Kauri Seed Project, pit trap 13, I. Barton (NZAC) ✓
- ND 1♀ Mangamuka Saddle, 26 Nov 1982, G. Kuschel (NZAC)
- 1♀ "444" [Broun's H/W], T. Broun Dup Coll<sup>n</sup>, n.o.d. (NZAC)
- AK <sup>3663</sup> 17434 1♀ Fairy Falls, 2 Jan 1969, J. Edwards (NZAC) ✓
- ND <sup>elytra only</sup> ? → Horokaka Peak, 1700', Tangi<sup>hanga</sup> Ra, 16 Aug 1977, J.S. Dugdale (NZAC) <sup>3553</sup> 17407
- ND 1♀ Waipoua S.F., Oct 1967, under Pinus log, J.C. Watt (NZAC)
- ND <sup>3534</sup> 17336 1♀ Omahuta Kauri Sanctuary 21 Sep 1976, G. Kuschel (NZAC) ✓
- ND 1♀ Waipoua S.F., 18 Oct 1967, under logs, J.C. Watt (NZAC)
- ND <sup>3559</sup> 17429 1♀ Waipu, 1913, "444" [Broun's H/W] (NZAC) T. Broun Dup Coll<sup>n</sup> ✓
- AK <sup>3619</sup> 17442 1♀ → Waitakere Ranges, 2 Nov 1975, P.T. Leaf (NZAC) <sup>3653</sup> 17433
- AK <sup>3553</sup> 17414 1♀ Tamahunga, 1000', under log, 2 Apr 1961, J.C. Watt (NZAC) ✓ OK  
see KTC W
- ND 17414 1♀ Tauraroa, Whangarei, 22 Dec 1928, E. Fairburn (NZAC) ✓

Paralissotes planus (Brown) (2)

(2)

Paralissotes planus (Brown, 1880)

\*See Dolimore.

- AK 1♀ Titirangi, 5 Apr 1971, in house, B.M. May (NZAC)
- CL 1♀ Little Barrier I., Awaroa Valley, 8 Mar 1974, W.M. Hamilton (NZAC)
- AK ~~1♀~~ 1♀ → Waitakere Ra, 18 May 1941, D. Spiller (NZAC) 3653, 17433. ✓
- AK 1♀ Titirangi, 8 Feb 1953, ex light, C.R. Thomas (NZAC)
- ND 2♂<sup>1</sup> Waipoua Forest 1938, A.C. Forbes (NMNZ)
- ND 1♂<sup>1</sup> 1♀<sup>3537</sup> 17343 Waimakemui, Feb 1939, coll? (AMNZ)
- ND 1♂<sup>1</sup> 1♀ " " 23 Apr 1943, coll? (AMNZ)
- ND 2♂<sup>1</sup> 1♀ " " 1 Apr 1945, C.E. Clarke (AMNZ)
- ND 1♂<sup>1</sup> Kara Forest, 15 Oct 1927, E. Fairburn [Not in NZAC]
- ND 1♂<sup>1</sup> Taurarua, 9 Mar 1929, E. Fairburn, (NMNZ)
- ND <sup>3546</sup> 1♂<sup>1</sup> Holotype, Parua, Whangarei Heads, no other data (BMNH)
- ND <sup>3546</sup> 1♀<sup>1</sup> (377) Hautoko Mt, 30 Jan 1928 E. Fairburn (NMNZ) ✓
- AK 1♀ Titirangi, 4 Jan 1937, AJ Hipwell [Not in NZAC]
- AK 1♂<sup>1</sup> " , 1934, A. Richardson (AMNZ)
- WA/BP 1♂<sup>1</sup> 1♀<sup>3747</sup> 17550 Okauia, 22 Jan 1927, coll? (AMNZ)
- ND 1♂<sup>1</sup> 1♀<sup>3516</sup> 17407 Ngaotonga Forest, KJ Fox 1980, November. (rec'd from Fox.)

Additional records from Dom. Mus Bull. 20

Paralissotes planus LUNZ material

- ✓ 3634, 17524
- ✓ CL 1♂<sup>1</sup> Track to Mt Moehau, 400-500m, Coromandel Forest Park, 12 Feb 1978, C.A. Muir
- ND 1♂<sup>1</sup> 1♀<sup>3539</sup> 17333 Te Mataua Ngahere, Waipoua Forest, 4 Feb 1975, R.M. Emberson, Ex rotten log
- ✓ ND 1♀<sup>1</sup> 1♂<sup>3516</sup> 17407 Russell State Forest, 14 Oct 1992, J.W.M. Morris, under fallen log.

(4) Paralissotes reticulatus (Westwood, 1855) (1)

- WN 1♂ <sup>41 10</sup>/<sub>174 59</sub> Stokes Valley, 17 Mar 1978 (photographed, MARC 20/3/78), BA Holloway (NZAC) ✓
- NN 2♂ <sup>41 38</sup>/<sub>172 43</sub> Hope Saddle, 4 Nov 1958, J.M. Hoy (NZAC) ✓
- MC 1♂, 1♀ <sup>43 38</sup>/<sub>172 50</sub> Banks Peninsula, Port Levy Reserve, 7 Nov 1979, under loose bark, J.C. Watt (NZAC) ✓
- BP 1♂ <sup>37 32</sup>/<sub>175 45</sub> Mt Te Aroha, 800m, 12 Nov 1983, ex rotten branches and stumps, J.C. Watt (NZAC) ✓
- BP 1♂ " Mt Te Aroha, TV Translator, 950m, 10 Jan 1986, C Green (NZAC) ✓
- WN 1♂ <sup>41 13</sup>/<sub>174 53</sub> Maungaraki, Hutt Valley, 15 Jan 1968, R.M. Bull (NZAC) Illustrated, ✓  
DW Helmore 24.4.90.
- BR 1♂ <sup>41 50</sup>/<sub>172 50</sub> Lake Rotoiti, March 1976, J. Walker (NZAC) ✓
- BR 2♂, 1♀ Lake Rotoiti, Nelson, 600m, 26 Dec 1976, A.K. Walker (NZAC) ✓
- MC 2♂, 1♀ Prices Valley Bush, Banks Peninsula, 29 Nov 1974, under logs, J.C. Watt (NZAC) ✓
- BR 1♂ L. Rotoiti, 26 Dec 1979, in house, A.K. Walker (NZAC) ✓
- SD 1♂ <sup>41 06</sup>/<sub>174 14</sub> Ship Cove 27-30 Nov 1972, J. McBurney (NZAC) ✓
- WN 1♂ <sup>41 06</sup>/<sub>175 06</sub> Akatarawa Saddle, Wgtn, Nov 17, 1973, on P. podocarpus spicatus, R.C. Crow, RC Crow Coll<sup>n</sup> (NZAC) ✓
- WN 1♂ <sup>41 10</sup>/<sub>174 50</sub> Linden, in dead tree, Oct 18, 1970, R.C. Crow Coll<sup>n</sup> (NZAC) ✓
- WN 1♂ <sup>40 39</sup>/<sub>174 57</sub> Paekakariki, Wellington, 1 Apr 1961, J.I. Townsend, R.M. Bull Coll<sup>n</sup> (NZAC) ✓
- BP 2♂ Mt Te Aroha, TV Translator, 10 Jan 1986, BA Holloway (NZAC) ✓
- WI 1♂ <sup>40 18</sup>/<sub>175 46</sub> Ballance Bridge Reserve, Manawatu Gorge, 3 Jan 1975, J.C. Watt (NZAC) ✓
- MC 2♂, 1♀ Prices Valley Bush, Banks Peninsula, 29 Nov 1974, under logs, J.C. Watt (NZAC) ✓
- WI 1♂ Bal[sic]ance Bridge Reserve, under stringy totora bark, no date, R.M. Bull Coll<sup>n</sup> (NZAC) ✓
- BP 1♂, 1♀ Summit of Mt Te Aroha, 8 Jan 1985, walking on road, R.C. Welch (NZAC) ✓
- MC 1♂ Banks Peninsula, Port Levy Reserve, 4 Nov 1979, under dead bark, Sophora microphylla, J.C. Watt (NZAC) ✓
- BP 1♂, 4♀ Mt Te Aroha 940m, 12 Nov 1983, in rotten branches & stumps J.C. Watt (NZAC) ✓
- NN 1♂ <sup>41 35</sup>/<sub>172 33</sub> Owen Mt Nelson, 30 Dec 1970, in rotten beech log, R.C. Crow (NZAC) ✓
- BR 1♂ <sup>41 56</sup>/<sub>172 40</sub> Mt Misery, Ecology Div. Str. 550m, at night in rain, 21 Jan 1977, J.S. Dugdale & K. Hackwell (NZAC) ✓
- NN 1♂ <sup>41 16</sup>/<sub>173 17</sub> Nelson, 10 Mar 1934, E.S. Gourlay (NZAC) ✓
- BP 1♂ Mt Te Aroha TV Translator, 950m, Dec 1985, Ross Stewart (NZAC) ✓
- MC 1♂ Prices Valley Bush, Banks Pen., 29 Nov 1974, under logs, J.C. Watt (NZAC) ✓
- RI 1♂, 1♀ <sup>39 41</sup>/<sub>175 48</sub> Orakura Gorge, Taihape, no date, R.M. Bull Coll<sup>n</sup> (NZAC) 39°41', 175°48' ✓
- MC 1♀ <sup>43 42</sup>/<sub>172 34</sub> Ahuriri Scenic Reserve, Banks Peninsula, 3 Nov 1979, under logs, J.C. Watt (NZAC) ✓
- RI 1♀ Orakura Gorge, Taihape, 10/56 [Oct, 1956], J.I. Townsend (NZAC) ✓
- BR 2♀ Lake Rotoiti, 25 Mar 1977, AK Walker, under rotten log at bush edge, associated larvae in alcohol (NZAC) ✓
- NN 1♀ Hope Saddle, 4 Nov 1958, M.J. Esson (NZAC) ✓
- WA 1♀ <sup>40 33</sup>/<sub>176 14</sub> Pongaroa, 31 Dec 1980, J.C. Watt, under logs (NZAC) ✓
- NN 1♀ <sup>41 21</sup>/<sub>173 32</sub> Dum Mt, 9 Nov 1957, J.I. Townsend (NZAC) ✓
- WN 1♀ <sup>40 54</sup>/<sub>175 15</sub> Lower Hector Track, 29 Nov 1958, R.M. Bull (NZAC) ✓
- WI <sup>40 17</sup>/<sub>175 45</sub> ♀ Ashurst Domain, Mar 1957, R.M. Bull (NZAC) ✓

✓ 1/2 for Cant locals      Corrids checked & plotted

Paralissotes reticulatus (Westw., 1855)

(2)

- RI 1 ♀ Taihape, Oraukuru Gorge, ex dead standing *Hoheria sexstylosa*, 8 Nov 1982, J.C. Watt (NZAC) ✓
- BR 1 ♀ Lake Rotoiti, May 1977, J. Walker (NZAC) ✓
- BR 1 ♀ " " 26 Jan 1976, A.K. Walker (NZAC) ✓
- NN <sup>41 10</sup> 1 ♀ → Marsden Valley, Nelson, 5 Oct 1972, G.W. Ramsay (NZAC) 4119, 17315
- MC <sup>43 50</sup> 1 ♀ Hill Top, Banks Peninsula, 23 Dec 1962, J. I. Townsend (NZAC) ✓
- ? 1 ♀ Rough Stream, 5 Oct 1963, W.P. Thomas (NZAC)
- WI 1 ♀ Ballance Bridge Reserve, Manawatu Gorge, 3 Jan 1975, under logs, J.C. Watt (NZAC) ✓
- WI 1 ♀ Ballance Reserve, Mar 1957, R.M. Bull (NZAC) ✓
- MC/NC <sup>43 20</sup> 2 ♀ Springfield, Canterbury, 16 Mar 1933, E. Fairburn (NZAC) ✓
- BR 1 ♀ Lake Rotoiti, Nelson, 2000', 26 Mar 1949, Brookes & O'Connor ✓
- BP <sup>38 45</sup> 1 ♀ Lake Waikaremoana, Aniwanuiwa Valley, 2100', x rotten wood, 16-23 Nov 1958, J.C. Watt (NZAC) ✓
- KA 1 ♂, 1 ♀ <sup>42 30</sup> 17308 Kadwaters, Wandle River, Inland Kaikoura Rd., 10 Feb 1971, J.I. Townsend (NZAC) ✓
- BP <sup>37 52</sup> 1 ♀ <sup>17 36</sup> Motu River, Bof Plenty, May 1928, A.E. Brookes (NZAC) ✓
- ~~RI~~ <sup>39 25</sup> 1 ♀ <sup>17 25</sup> Ohakune, Dec 1921, T.R. Harris (NZAC) ✓
- MC <sup>43 37</sup> 1 ♀ <sup>17 23</sup> Dyers Pass, Canterbury, 20 Mar 1932, E. Fairburn (NZAC) ✓
- RI <sup>39 25</sup> 1 ♀ <sup>17 25</sup> Ohakune, 30 Dec 1931, E. Fairburn (NZAC) ✓
- MC <sup>43 14</sup> 1 ♀ <sup>17 12</sup> Mt Algidus, 2000', 2-13 Dec 1959, J. I. Townsend (NZAC) ✓
- SD <sup>40 40</sup> 5 ♂ 1 ♀ <sup>17 40</sup> Stephen's Id, 14-28 Jan 1933, E.S. Gourlay (NZAC)
- SD 1 ♂ 1 ♀ <sup>40 50</sup> <sup>17 35</sup> Durville Island no date E.S. Gourlay Coll<sup>W</sup> (NZAC)
- SD <sup>40 40</sup> 3 ♀ <sup>17 40</sup> Stephen's Id., 9-12 Jan 1931, E.S. Gourlay (NZAC)
- NN 1 ♀ <sup>41 21</sup> <sup>17 22</sup> Third House, Dun [Mt], Nelson, 29 Dec 1942 (NZAC) coll.
- NN 1 ♀ <sup>41 21</sup> <sup>17 22</sup> Dun Mt., Nelson, 2 Feb 1965, L.P. Marchant (NZAC)
- BP 1 ♀ <sup>38 43</sup> <sup>17 03</sup> Waitokupuna R., Waikaremoana 670m, 21 Nov 1958, on river bank, under logs, J.C. Watt (NZAC)
- SD <sup>41 01</sup> 1 ♀ <sup>17 35</sup> Maud Is [land], Boat Bay, 14 Sep 1981, P.R. Notman, from pit trap material set over five nights (NZAC)
- NN <sup>41 20</sup> 1 ♀ <sup>17 30</sup> Eve's Bush, Waimea West, ex rotten log, 20 Sep 1967, B. Nightingale (NZAC)
- SD 1 ♂ 1 ♀ <sup>41 05</sup> <sup>17 40</sup> Foot of Mt Stokes, Kenepuru Sound, 10 Oct 1967, J. I. Townsend (NZAC)
- ? 1 ♀ Flaxmoor, 900', Nelson, 15 May 1937, E.S. Gourlay (NZAC)
- NN 1 ♀ Third House, 1850', Dun Mt track, in rotten *Nothofagus* logs, 4 Apr. 1966 J.C. Watt (NZAC)
- ~~NN~~ <sup>41 09</sup> 1 ♀ <sup>17 33</sup> Red Hill Mineral Belt, 750', Nth of Whangamoa, Nelson, 24 Aug 1967, J.I. Townsend (NZAC)
- WN <sup>41 22</sup> 1 ♀ <sup>17 45</sup> Gollans Valley, Sept 1940, Coll? (NZAC)
- WN 1 ♀ Stokes Valley, 2 Jan 1963, M. Sinclair (NZAC)
- KA <sup>42 36</sup> 2 ♀ <sup>17 32</sup> Hundalee, 12 Aug 1962, E.S. Gourlay (NZAC) ← Start here
- WN <sup>40 59</sup> 1 ♀ <sup>17 51</sup> Tararua, below Field Hut, 8 June 1940 (NZAC) coll?
- SD 1 ♀ Stephen's I., Jan 1922, R.J. Tillyard (NZAC)
- WN <sup>41 15</sup> 1 ♀ <sup>17 45</sup> Wainuiomata, 2 Apr 1961, G & C. Laurie (NZAC) →
- SD 1 ♀ Maud Isd, Queen Charlotte Sound, 6 Nov 1949, E.S. Gourlay (NZAC)
- ? 1 ♂ 1 ♀ McLennan's Bush, 13 Dec 1958, E.S. Gourlay (NZAC)

coords plotted / checked





Paralissotes reticulatus (Westw, 1855)

(4)

- SD 1♀ Maud I, Boat Bay, 14 Sept 1981, P.R. Notman, from pit trap material set over 5 nights (NZAC)
- MC <sup>4332</sup>/<sub>17236</sub> ♀ Riccarton Bush, ChCh, 7 Oct 1928, E.S. Gourlay (NZAC)
- " " " " 9 Jun 1922 " " " " , logs of *Ptilosporum tenuifolium* (NZAC)
- WN 1♂, 1♀ Days Bay, 23 Oct 1941, Mr Forster (NZAC)
- NN 1♀ Dun ME, 14 Jan 1946, E.S. Gourlay (NZAC)
- NN 1♀ " " Track, 2500', 4 Feb 1952, E.S. Gourlay (NZAC)
- NN 1♂, 2 ♀ <sup>4102</sup>/<sub>17234</sub> Atakaka Hill, 2000', 14 Dec 1953, " " (NZAC)
- MC 1♀ <sup>4337</sup>/<sub>17243</sub> Duke Atua Bush, Port Hills, 6 Oct 1928 E.S. Gourlay (NZAC)
- MB/KA 1♂ (incp) 1♀ <sup>4288</sup>/<sub>17256</sub> Mt Percival, base (of), Kaikouras, 28 Oct 1962, A.C. Eyles & J. Townsend (NZAC)
- RI 1♂ Taihape, 25 Jan 1927, A. Castle (NZAC)
- NN 1♂ <sup>4117</sup>/<sub>17321</sub> Nelson, 10 Mar 1934, E.S. Gourlay (NZAC)
- NN 1♂ <sup>4123</sup>/<sub>17309</sub> Aniseed V. (alley) 9 Dec 1953 E.S. Gourlay (NZAC)
- WN 1♂ <sup>4120</sup>/<sub>17445</sub> Happy V. (alley) 3 Mar 1941, Mr Forster (NZAC)
- NN 1♂ <sup>4117</sup>/<sub>17321</sub> Nelson, 1 September 1972, J.S. Dugdale (NZAC)
- SD 1♂ Maud I, main bush, 12 May 1980, P.R. Notman, night searching above homestead, 12°C, overcast (NZAC)
- NN 1♂ <sup>4127</sup>/<sub>17258</sub> Belgrove, 24 Apr 1955, W.P. Thomas (NZAC)
- MB 2♂ <sup>4129</sup>/<sub>17349</sub> Onamaluta, Marlborough, 5-11 Mar 1961, under log, J.C. Watt (NZAC)
- WN 1♂ <sup>4117</sup>/<sub>17455</sub> Butterfly Creek, Mar 1952, ex bark of rimu, J.C. Watt (NZAC)
- SD 1♀ Maud I, main bush, 9 Sept 1981, P.R. Notman, Pit trap, fine weather (NZAC)
- WN 1♀ <sup>4118</sup>/<sub>17455</sub> Orongorongo Valley, DSIR Lodge, 16 Apr 1981, P.R. Notman, night searching in koekoeko forest, on trees. (NZAC)

Additional Records from Dom. Mus. Bull. 20

- BP 1♂ MT Te Aroha, 14 Apr 1954, N.P. Hallett (AMNZ)
- BP <sup>3819</sup>/<sub>17624</sub> ♀ Rotomahana 9 Dec 1958, B. Carruthers (NMNZ) ✓
- TK 1♂, 1♀ <sup>3920</sup>/<sub>17465</sub> Mt Egmont, Jan 1933, E.A. Plank (NMNZ) ✓
- RI 2♂, 2♀ ~~17465~~ Ohakune 18-23 Jan 1927, A. Castle (NMNZ)
- RI 1♀ Ohakune, Oct 1923, M. Harris (AMNZ)
- WN 1♀ <sup>4052</sup>/<sub>17525</sub> Mt Holdsworth, 30 Nov 1930, E.A. Plank (NMNZ) ✓
- WN 1♂, 1♀ <sup>4059</sup>/<sub>17457</sub> Whakaitiki River (5 mi from Paekaitiki), 21 Oct 1923, T. Cockroft (AMNZ) ✓
- WN 3♂, 1♀ <sup>4106</sup>/<sub>17506</sub> Akatarawa, 6 Feb 1953, M. Redington (NMNZ) ✓
- WN 1♀ " 19 Dec 1952 " " (NMNZ)
- WN 1♀ <sup>4103</sup>/<sub>17506</sub> Little Akatarawa, 26 Oct 1941, M. Laird (NMNZ) ✓
- WN 1♀ <sup>4109</sup>/<sub>17501</sub> Heretaunga, Oct 1918, A.C. O'Connor (NMNZ) ✓
- WN 1♂ <sup>4109</sup>/<sub>17500</sub> Silverstream, 6 June 1954, G.W. Ramsay (NMNZ) ✓
- WN 1♂, 1♀ Stokes Valley, 15 Nov 1952, D.V. + B.A. Holloway (NMNZ)
- WN 1♀ <sup>4112</sup>/<sub>17455</sub> Belmont, 9 Apr 1953, P.C. Bull (NMNZ) ✓
- WN 2♀ <sup>4114</sup>/<sub>17452</sub> Korokoro, 13 Oct 1933, T. Cockroft (AMNZ) ✓
- WN 1♀ <sup>4113</sup>/<sub>17451</sub> Petone, 20 Sept 1941, R.R. Forster (NMNZ) ✓
- WN 1♂ <sup>4118</sup>/<sub>17455</sub> Days Bay, 22 Jan 1930, E.A. Plank (NMNZ) ✓

Coords checked/plotted

Paralissotes reticulatus

(5)

- WN 1♂ Days Bay, 2 Aug 1953, R. A. Falla (NMNZ)
  - WN 1♂ 1♀ Days Bay 20 Oct 1941, R. R. Forster (NMNZ)
  - WN 1♀ Days Bay 18 Nov 1941, " " (NMNZ)
  - WN 1♂ " " 6 May 1934, E. A. Plank (NMNZ)
  - WN <sup>4119</sup>1♂ <sup>17454</sup>1♀ Butterfly Creek, 13 Jun 1932, (NMNZ) ✓
  - WN <sup>17453</sup>1♀ Gollans Valley, 11 Nov 1923, A. C. O'Connor (NMNZ) ✓
  - WN 1♂ 1♀ incop., Gollans Valley, 11 Sep 1923, A. Castle (NMNZ)
  - WN <sup>4042</sup>1♂ <sup>17454</sup>1♀ Kapiti I., 24 Aug 1947, R. R. Forster (NMNZ) ✓
  - WN <sup>4106</sup>1♂ <sup>17450</sup>2♀ Titahi Bay, 14 Jan 1919, A. C. O'Connor (NMNZ) ✓
  - WN 1♂ <sup>4114</sup>1♀ Khandallah, 6 Jun 1935, J. T. Salmon (NMNZ) ✓
  - WN <sup>4120</sup>1♂ <sup>1746</sup>1♀ Happy Valley, 23 Aug 1941, R. R. Forster (NMNZ) ✓
  - WN 1♂ Wellington, no date, G. V. Hudson (NMNZ)
  - WN 1♂ 1♀ " " Buller Coll. (NMNZ)
  - WN 1♂ " 20 Nov 1931, B. C. Aston (NMNZ)
  - SD 2♂ <sup>4040</sup>1♂ <sup>17400</sup>1♀ Stephens I., 20 Dec 1954, G. W. Ramsay (NMNZ) ✓
  - NN 1♂ <sup>4119</sup>17325 Mt Maungatapu, 19 Jan 1947, G. W. Ramsay (NMNZ) ✓
  - ~~MC 5♂ 1♀ <sup>4304</sup>17231 East Grey River, 21-24 Jan 1921, coll.? (CMNZ) ✓~~
  - MC 1♂ 1♀ Mt Grey, 24 Feb 1924, coll.? (CMNZ)
  - MC 1♂ <sup>4307</sup>17233 Mt Grey 10 Dec 1916, S. Lindsay (AMNZ) ✓
  - MC 1♂ Mt Grey, 30 Dec 1916 coll.? (CMNZ)
  - MC 1♀ " " Nov 1917 " " (CMNZ)
  - MC 1♂ <sup>4302</sup>17145 Cass, 27 Dec 1912 " " (AMNZ) ✓
  - MC 1♂ <sup>4317</sup>17156 Okarama, 17 Dec 1921, G. Archey (CMNZ) ✓
  - MC 1♂ <sup>4314</sup>17121 Mt Algidus, 10 Feb 1946, R. R. Forster (NMNZ) ✓
  - MC 5♂ <sup>4318</sup>20 <sup>17155</sup> Kowhai Bush, 19 Jun 1938, coll.? (CMNZ) ✓
  - MC 1♂ <sup>4349</sup>17258 Akaroa, 4 Apr 1923, coll.? (CMNZ) ✓
  - MC 1♀ " 24 Apr 1923 " (CMNZ)
  - MC 2♂ <sup>4334</sup>17236 Horn Hay, 15, Jan 1922 " " (CMNZ) ✓
  - MC 1♂ <sup>4338</sup>17237 Kennedy Bush, 3 Mar 1924, coll.? (CMNZ) ✓
  - MC 1♀ <sup>4332</sup>17236 Deans Bush, 18 Mar 1925, A. Tonnoir (CMNZ) ✓
  - MC 1♂ " " 19 Dec. 1949, Haldane & Dugdale (CMNZ)
  - MC 1♂ <sup>4304</sup>17203 Prices Bush, 24 Oct 1934, S. Lindsay (CMNZ) ✓
  - MC 1♂ <sup>4340</sup>17240 Port Hills, 23 Dec 1942 coll.? (AMNZ) ✗
- (plots) records checked
- Lippes Pareora Gorge 44°29', 171°13'  
 Kelsey Bush & Hooks Bush, Waimate } Records from Emberson (1982)  
 44°44', 171°03'
- WN 1♂ <sup>4049</sup>17596 Tarama Rai, Track to Te Mara Peak, 14 Dec 1984, T. A. Bridge (NZAC)
  - BP 1♂ Mt Te Aroha near TV Transmitter, 18 Jul 1991, M. Thompson (NZAC)

Paralissotes reticulatus (6)

Paralissotes reticulatus LUNZ material

- MC 10<sup>♂</sup> <sup>4348</sup> <sup>17241</sup> Long Bay, Akaroa, 19 Sep 1970, R.M. Emberson 4033, 176 15
- MC 10<sup>♂</sup> <sup>4345</sup> <sup>17242</sup> Kaikuna Valley, 10 Oct 1973 " " ex logs + under bark
- ✓MC 10<sup>♂</sup> <sup>4348</sup> <sup>17241</sup> Pices Valley, 75m 18 Oct 1979 " " under logs, mixed podocarp broadleaf forest
- ✓MC 10<sup>♂</sup> <sup>4345</sup> <sup>17237</sup> Coopers Knob Reserve 13 Mar 1978 M.R. Butcher, pitfall trap
- ✓MC 10<sup>♂</sup> <sup>4318</sup> <sup>17212</sup> Oxford, 16 May 1971, A. Falkingham, ex rotten beech log
- ✓MC 10<sup>♂</sup> <sup>4314</sup> <sup>17211</sup> Mt Algidus 450-500m, 29 Nov 1977, R.M. Emberson, under logs *Nothofagus cliffortioides* forest
- ✓SC 10<sup>♂</sup> <sup>4318</sup> <sup>17211</sup> ~~10~~ Hindisfane Camp, Upper Pareora Gorge, South Canterbury, NZ, 21-22 March 1970, E nto
- ✓SC 10<sup>♂</sup> <sup>4318</sup> <sup>17211</sup> Dept Field Trip
- ✓SC 10<sup>♂</sup> " Upper Pareora Gorge, 21 Mar 1970, R.E. Falloon, caught under bark of tree
- ✓SC 10<sup>♂</sup> " Pareora Gorge, 22 Mar 1970, R.E. Falloon, caught in bush
- ✓SC 10<sup>♂</sup> <sup>4318</sup> <sup>17205</sup> <sup>4427</sup> Mt Nimrod Sc. Res, 25 Nov 1990, P. Syrett, R.M. Emberson, under rocks in broadleaved forest
- NC 10<sup>♂</sup> <sup>4318</sup> <sup>17205</sup> <sup>4427</sup> Horse shoe Lake, Glen Wg, <sup>NC</sup> 30 May 1978, " " under logs and rocks *N. cliffortioides* forest
- ✓MC 10<sup>♂</sup> <sup>4318</sup> <sup>17156</sup> Kawhai Bush nr Springfield, 18 Aug 1979, J.M. Early, larvae in rotting *Pinus radiata* <sup>em Dec 1979</sup>
- ✓NC 10<sup>♂</sup> <sup>4313</sup> <sup>17205</sup> 10 ♀ MEOxford, 29 Sep 1985, R.M. Emberson, *Nothofagus solandri* forest

Paralissotes reticulatus

- WN 10<sup>♂</sup> Butterfly Creek, 23 Dec 1964 R.G. Ordish (N.M.N.Z)
- " 10<sup>♂</sup> 10 ♀ Days Bay, 8 Dec 1962, R.G. Ordish (N.M.N.Z)
- SD 10<sup>♂</sup> Maud Island, 13 Jan 1995, Alan Tennyson (N.M.N.Z)
- WN 10 ♀ Days Bay, Eastbourne, 24 June 1995, A. Tennyson (N.M.N.Z)
- RI 10 ♀ Ohakune, Jan 1952, G.W. Ramsay (N.M.N.Z)

but not put on data sheets

These have been added to total number examined. The localities have already been plotted for other specimens

10 July 2000

- SC Pareora 44° 29', 171° 13' } Emberson 1962
- SC Waimate 44° 45', 171° 03' } ~~Emberson~~ The Web 5(1):21

5

Paralissotes rufipes (Sharp) <sup>MB</sup> (Sharp) <sup>NA</sup>, (K) <sup>A-M-B</sup>  
Paralissotes rufipes (Sharp, 1886)

1

- NN 1 ♂ <sup>4116</sup><sub>17300</sub> Upper Moulere, 20 Nov 1958, E.S. Gourlay (NZAC) ✓
- ~~NN~~ 30 ♂ <sup>4118</sup><sub>17334</sub> → Pelorus Bridge, 13 Aug 1959, E.S. Gourlay (NZAC) SD/MB ✓
- NN 10 ♂ <sup>412</sup><sub>17322</sub> Dun Mt 2500', Nov 1957, R.M. Bull Coll<sup>n</sup> (NZAC) ✓
- NN <sup>4116</sup><sub>17321</sub> ♀ Upper Maitai, 6 Jan 1933 E.S. Gourlay (NZAC) ✓
- SD <sup>4103</sup><sub>17358</sub> ♀ Kauauroa Bay, midcamp, 10 Jan 1981, P.R. Notman (NZAC) ✓
- SD 40 ♂ 2 ♀ → Foot of Mt Stokes, Kenepuru Sd, 10 Oct 1967, J.I. Townsend (NZAC) <sup>4105</sup><sub>17406</sub> ✓
- ND 1 ♂ → 1 ♀ [in copulo] Saddle Hill, 30 Jan 1945, B Given (NZAC) <sup>4117</sup><sub>17326</sub> ✓
- SD 10 ♂ <sup>4105</sup><sub>17406</sub> Foot of Mt Stokes, Kenepuru Sd, 10 Oct 1967 J. McBurney (NZAC) ✓
- NN 10 ♂ <sup>4113</sup><sub>17326</sub> Whangamoa Saddle, 29 July 1972, sheltering in knothole in Kawika ✓  
J.S. Dugdale (NZAC) ✓
- NN 10 ♂ <sup>4111</sup><sub>17244</sub> Flora, Mt Arthur Track, 20 Nov 1969, at night, J.I. Townsend (NZAC) ✓
- NN 20 ♂ <sup>4113</sup><sub>17326</sub> Whangamoa Saddle, 365 m, 30 Mar 1970, ex dead Weinmannia racemosa,  
J.S. Dugdale (NZAC) ✓
- SD 10 ♂ <sup>4106</sup><sub>17414</sub> ♀ Ship Cove, 27-30 Nov 1972, J. McBurney (NZAC) ✓
- NN 20 ♂ <sup>4121</sup><sub>17322</sub> Dun Mt, 2 Jan 1959, R.M. Bull (NZAC) ✓
- NN 10 ♂ <sup>4057</sup><sub>17254</sub> Canaan, 20 Oct 1969, J. I. Townsend, under log (NZAC) ✓
- NN 10 ♂ <sup>4117</sup><sub>17321</sub> Nelson, 26 Apr 1934, E.S. Gourlay (NZAC) ✓
- SD 10 ♂ <sup>4106</sup><sub>17414</sub> Ships Cove, O. Charlotte Sd, 15 Feb 1973, in rotten log, B.A. Holloway (NZAC) ✓
- NN 10 ♂ <sup>4113</sup><sub>17330</sub> Mt Duppa, approx <sup>1225m</sup> (4000'), 22 Jun 1964, G.W. Ramsay (NZAC) [incorrect altitude peak is only 1133m] ✓
- SD 1 ♂ 2 ♀ → Opouri Saddle, 1800', 14 Jan 1969, J.I. Townsend (NZAC) <sup>4108</sup><sub>17344</sub> ✓
- SD 10 ♂ ~~→~~ D'Urville Island n.o.d. E.S. Gourlay Coll<sup>n</sup> (NZAC) 4046, 17351
- BR 10 ♂ <sup>4150</sup><sub>17250</sub> → L. Rotoiti 2000', no date, B.B. Given (NZAC) ~~4150, 17250~~ ✓
- NN 10 ♂ <sup>4116</sup><sub>17321</sub> Cawthron Park, 10 Feb 1961, E.S. Gourlay (NZAC) ✓
- NN 10 ♂ <sup>4116</sup><sub>17321</sub> Upper Maitai, 3 May 1950, E.S. Gourlay (NZAC) ✓
- NN 10 ♂ <sup>4107</sup><sub>17240</sub> Cobb River, 3000', 25 Oct 1959, J.I. Townsend (NZAC) ✓
- NN 10 ♂ Whangamoa, Sept 1972 J.S. Dugdale (NZAC) [Has been photographed] ✓
- SD 20 ♂ Opouri Saddle, 480 m, 14 Jan 1969, J.C. Watt (NZAC), ex rotten logs ✓
- ? 10 ♂ No data (NZAC)
- SD 10 ♂ <sup>4105</sup><sub>17408</sub> Mt Stokes Ridge 2500', Oct 1944, A.C. O'Connor [760 m] ✓
- NN 20 ♂ <sup>4112</sup><sub>17242</sub> Mt Arthur, 3000', 6 Mar 1935, E.S. Gourlay (NZAC) ~~→~~ [914 m] ✓
- NN 10 ♂ Nelson, 10 Aug 1943, B.B. Given (NZAC) ✓
- NN 10 ♂ <sup>4116</sup><sub>17321</sub> Upper Maitai, 6 Jan 1933, E.S. Gourlay (NZAC) ✓
- NN 40 <sup>4102</sup><sub>17254</sub> Takaka Hill, 2000', 12 Dec 1959, B.B. Given (NZAC) ✓
- NN 20 ♀ ~~→~~ Upper Maitai, 23 Mar 1950, E.S. Gourlay (NZAC) ✓
- NN 1 ♀ Cobb, 3000', 25 Dec 1960, J.I. Townsend (NZAC) [914.4m] ✓
- NN 1 ♀ Takaka Hill, 2500', 31 Jan 1960, J. I. Townsend (NZAC) ✓
- ~~NN~~ MB 1 ♀ Mt Duppa, 26 Nov 1958, J.I. Townsend (NZAC) ✓
- SD 10 ♀ <sup>4111</sup><sub>17337</sub> Turakino Valley, Pelorus, 29 Apr 1964, J. I. Townsend (NZAC) ✓
- SD 10 ♀ <sup>4111</sup><sub>17335</sub> Ronga Valley, 28 Feb 1957, E.S. Gourlay (NZAC) ✓
- NN 1 ♀ Upper Maitai, Jan 1961, E.S. Gourlay (NZAC) ✓
- NN 10 ♀ <sup>4111</sup><sub>17245</sub> Flora Hut, Mt Arthur 23 Mar 1971, J. McBurney (NZAC) ✓
- NN 1 ♀ Dun Mt, 2 Jan 1959, R.M. Bull (NZAC) ✓
- 1 ♀ ~~→~~ Flora Track, Mt Arthur, 4 Jan 1974, A. [K.] Walker (NZAC) <sup>4111</sup><sub>17247</sub> ✓
- SD 1 ♀ <sup>4010</sup><sub>17351</sub> Canoe Bay, French Pass, 2 Sep 1962, J. I. Townsend (NZAC) ✓

Paralissotes rufipes (Sharp, 1886) ②

- NN 1♀ Dun Mt, 26 Oct 1957, J.I. Townsend (NZAC)
- NN <sup>4046</sup>172421 ♀ Onekaka, 17 Feb 1949, A.E. Brookes (NZAC)
- NN <sup>4113</sup>172301 ♀ Pokororo, 1923, C.H. Chaffey, A.E. Brookes Coll<sup>n</sup> (NZAC)
- NN 1♀ Cana[aj]n, Dec 1949, A.C. O'Connor, A.E. Brookes Coll<sup>n</sup> (NZAC)

- Additional Records from Dom Mus Bull 20
- ~~SD~~ 1♂ <sup>4119</sup>17325 MT Maungatapu 2000', 19 Jan 1947, G.W. Ramsay (NMNZ) ✓
  - NN 5♂ 1♀ Flora Camp (about 3000'), Mt Arthur, 12 Jan 1918, A.C. O'Connor (NMNZ)
  - NN 2♀ Mt Arthur, 14 Jan 1920, G.V. Hudson (NMNZ)
  - NN 1 specimen (Type of elegans), Mt Arthur, no other data (BMNH)
  - NN 1♂ <sup>4119</sup>17319 Upper Maitai, 20 Nov 1938, E.S. Gourlay [Not in NZAC]
  - NN 1♀ " " 1927 " " [Not in NZAC]
  - NN 1♀ <sup>4119</sup>17313 South Branch of Maitai, 17 May 1952, B.A. Holloway (NMNZ) ✓
  - NN 1♀ Dun Mt (2000') 15 May 1952, B.A. Holloway (NMNZ) ✓
  - NN 1 specimen, Base of Mt Owen, 12 Mar 1938, G.E. Clarke, (BMNH) <sup>4133</sup>17233 ✓
  - NN <sup>4119</sup>17319 1♀ Fringed Hill (2000') no date, A.C. O'Connor (NMNZ) ✓
  - NN <sup>4046</sup>17247 1♀ Takaka, 4 Feb 1938, A. Richardson, (AMNZ) ✓
  - NN 1♀ Nelson, 12 Feb 1934, E.S. Gourlay (AMNZ)
  - SD Holotype, sex? Picton, no date, Helms (BMNH) <sup>4118</sup>17400 ✓
  - SD 2♂, 1♀ Pelorus Sound, 6 Dec 1920, A.C. O'Connor, (NMNZ) <sup>4105</sup>17352 ✓
  - SD 1♀ Crail Bay [Pelorus Sd] Jan 1925, C. Thompson, T. Cockcroft Coll<sup>n</sup> (NMNZ)

Paralissotes rufipes LUNZ material

- SD <sup>4049, 17351</sup> 1♀ D'Urville Is, MT Woore [ ] 22 Feb 1964, Malcolm Douglas In mixed Nothofagus bush
- SD <sup>4054</sup>17347 1♂ D'Urville Is, Track above Ohana Bay, 9 Feb 1974, J. Fairweather
- SD 1♂ " " " Above Te Horo Bay, 12 Feb 1974, R+K Blank, Beech forest
- SD <sup>4108</sup>17408 1♀ Kenepuru Saddle, SD, 28 Aug 1976, R.M. Emberson under logs, Nothofagus - Podocarp forest
- SD <sup>4105</sup>17405 1♀ Below Grant's lookout, 750m, SD 28 Aug 1976, R.M. Emberson, under log, Nothofagus menziesii (sic) forest
- SD <sup>4105</sup>17406 1♂ MT Stokes, 620m, Okaha Saddle, 14 Feb 1985, S.P. Worner, under stone
- NN <sup>4106</sup>17238 1♀ Lake Sylvester track 900m, NN, 8 Feb 1985, R.M. Emberson, under log
- SD <sup>4107</sup>17410 1♀ Queen Charlotte Sd, Endeavour Inlet, 5 Jan 1993, J.W.M. Marris, under bark of rotten log

⑥ ~~Paralissos~~ Paralissotes stewarti (Brown) ①  
Paralissotes stewarti (Brown, 1881)

- AK XI ♂ <sup>3657</sup>17428 Paha, 30 Jan 1949, E.S. Gourlay (NZAC) ✓  
 AK XI ♂ <sup>3624</sup>17440 Warkworth, Dome State Forest, 15-21 Mar 1978, carrion trap, S.J. Peck (NZAC) ✓  
 AK XI ♂ 20 → Destruction Gully area, 20 Jun-15 Jul, pit trap, B.M. May (NZAC) <sup>3700</sup>17432 ✓  
 CL X5 ♂ X5 ♀ Mt Moebau, Wards Bush, under stone, 460m, 1 Nov 1979, B.A. Holloway (NZAC) <sup>3632</sup>17522 ✓  
 CL X4 ♂ X8 ♀ ~~Warkworth~~ B.M. May (NZAC),  
 [associated larvae in alcohol]
- ND XI ♂ → Kara Forest, Whangarei, 15 Oct 1927, E. Fairburn (NZAC) 3542, 17412 ✓  
 ND XI ♂ 3 Dec 1927 " " (NZAC)
- WA XI ♂ → Turanganui River, Wairarapa, Sept 1948 A.C. O'Connor (NZAC) 4126, 17518 ✓  
 AK XI ♂ <sup>3659</sup>17429 Karekare, 15 Feb 1916, A.E. Brookes Coll. (NZAC) ✓  
 AK XI ♂ <sup>3647</sup>17508 Waiheke I., 20 May 1941, under hinau log, G. Chamberlain (NZAC) ✓  
 WA <sup>4058</sup>17559 I ♀ Blairlogie, Wairarapa, 17 Aug 1958, J.I. Townsend (NZAC) ✓ -  
 AK <sup>3656</sup>17439 2 ♀ Titirangi, 18 Sep 1918, A.E. Brookes Coll (NZAC) ✓  
 ND <sup>3543</sup>17419 XI ♀ Kara Forest, Whangarei, 15 Oct 1927, E. Fairburn, (NZAC)  
 ND <sup>3512</sup>17330 XI ♀ Whangarei, 18-20 Mar 1931, E.S. Gourlay (NZAC) ✓  
 ND XI ♀ Mangamuka Saddle, 5 Nov 1967, J.I. Townsend (NZAC) ✓  
 ND XI ♀ Kara, Whangarei, 24 Dec 1926, E. Fairburn (NZAC) ✓  
 RI <sup>4015</sup>17551 XI ♀ Whariti, 16 Mar 1957, J.I. Townsend (NZAC) [Δ at 920m; road to Δ] ✓  
 WA <sup>4037</sup>17557 XI ♀ Pori, 24-28 Feb 1956, E.S. Gourlay (NZAC) [Δ 581m] ✓ -  
 AK <sup>3704</sup>17457 XI ♀ Ligars Bush, Papakura, T Brown Dup Coll<sup>n</sup> (NZAC) ✓  
 TK <sup>3937</sup>17432 I ♀ Patea Dam, 22 Dec 1985, dead under loose bark of rimu in lowland forest, K.J. Fox (NZAC) ✓ -
- TK <sup>3932</sup>17420 I ♀ Ararata, Dec 1957, R.M. Bull (NZAC) ✓ -  
 - I ♀ Hadley Park, ChCh, Dec 1935, under fallen log, G Chamberlain (NZAC) WRONG LOCALITY - probably Waiheke I.
- AK <sup>3627</sup>17427 I ♀ Mt Auckland, Helensville, 16 Sep 1962, B.M. May (NZAC) ex leafmound ✓  
 CL <sup>3711</sup>17535 I ♀ Kopu Rd, Coromandel, 6 Apr 1967, leaf litter, R.A. Cumber (NZAC) ✓  
 TK <sup>3937</sup>17432 I ♀ Ararata, 18 Mar 1957, R.M. Bull Coll<sup>n</sup> (NZAC)  
 ND <sup>3516</sup>17313 I ♀ Herekino, Jan 1930 coll? (AMNZ) ✓  
 ND I ♀ Kara, 18-20 Mar 1931, E.S. Gourlay [Not in NZAC]  
 ND I ♂ " " " " [CMNZ]
- ND I ♂ I ♀ Whangarei, 7 Jan 1927, coll? (AMNZ)  
 ND I ♂ Whangarei, no date, Lewis Coll. (NMNZ)  
 AK I ♂ Waitakere Ra, 5 Sep 1922, coll? (BMNH)  
 AK I ♂ Waiheke I., 12 Dec 1949, G. Chamberlain (NMNZ)  
 AK I ♂ <sup>3649</sup>17444 Northcote, no other data (BMNH)  
 AK I ♂ ? <sup>Two</sup> <sup>loggs</sup> Auckland, Feb 1945, G. Chamberlain (Hudson Coll, NMNZ)  
 AK I ♂ Ligars Bush, Papakura, n.o.d. (BMNH)  
 WI I ♂ <sup>4016</sup>17514 Rangitikei River, 9 Apr 1938, coll? (AMNZ) ✓  
 WN I ♂ ~~HOLOTYPE~~ Wellington, n.o.d. (BMNH) <sup>4117</sup>17446 ✓  
 TK 1 spec. S Equant 2000' under rimu bark 31 Oct 1968, KJ Fox  
 39° 22', 174° 03'
- WI 1 specimen Manawatu Gorge, S.R. 29 Jan 1982, under log KJ Fox  
 40° 18', 175° 46'

Additional Record from Dorn. Mus Bull 20

Paralissotes stewarti (2)

Paralissotes stewarti LUNZ material

✓ 40° 48' 17507

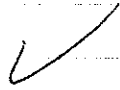
~~WN~~ 01 Te Horo, 30 Nov 1963, P. Johns. P. halli [B]

✓ WI 107<sup>3939</sup> Kakatahi, nr Wanganui, 2 Dec 1963, P. Johns

GB 103<sup>17824</sup> 37<sup>17824</sup> 38<sup>17824</sup> Kakarui 300m, NZMS 260 214 876 806, 1 Feb 1993, R M Emberson, E Cape Ins. Survey in rotten log

VP 37<sup>33</sup> 178<sup>11</sup> 10<sup>3</sup> Waioro, NZMS 260 Y14-652 866, 29 Sep 1993, CA Stewart, under log East Cape 1993 Insect Survey 10/2/93

OK





(7)

Paralissotes triregius (Holloway)

Paralissotes triregius (Holloway, 1963) 3410, 17208

- 3 ♂ ♀ Great I., Tasman Valley, Nov 1970 G.W. Ramsay (NZAC)
- ♂ 2♀ " " " " G. Kuschel (NZAC)
- ♂ Great I., 900' under stones, Nov 1970 " " (NZAC)
- ♂ " " Castaway Camp, " " NZ Ent. Div. Exp. (NZAC)
- ♂ " " Tasman Valley, under bark of partly dead Leptospermum ericoides, J.C. Watt (NZAC) Nov 1970. [prob sp. is uncertain; cross ref on other labels]
- 2 ♂ 7♀ Great I., Nov 1970, under bark of partly dead Leptospermum J.C. Watt (NZAC)
- ♂ Great I., Nov 1970, ex decaying wood, J.C. Watt (NZAC)
- ♂ " " " " J.C. Watt (NZAC)
- ♀ " " Tasman Valley, Nov 1970, on ground at night, J. McBurney (NZAC)

Records from Holloway, 1963, TRSNZ Zoology 3: 78

- 1 ♂ Holotype, Great I., NE slopes above sea at Hapuka Pt, 8 May 1946, E.G. Turbott (AMNZ)
- 1 ♀ Allotype, Great I., 1 Jan 1958 D. Grahame (AMNZ)
- 2 ♂ Paratypes, Great I., Eastern Division, under stones near Quadrats I+II, 3 May 1946, E.G. Turbott (AMNZ, NMNZ)

Specs examined: Holotype male, 2 ♂, 1 ♀ paratypes, 11 ♂♂, 11 ♀♀ (AMNZ, NMNZ, NZAC)

Three Kings Is. 34°10'S, 17°07'E from near SL to about 270m

Adults have been <sup>collected</sup> ~~found~~ in January, May, & November, under stones and in <sup>partly dead</sup> ~~decaying~~ wood of Leptospermum ericoides during the day, and on the ground at night.

①

Ryssonotus nebulosus (MacLeay)

Ryssonotus nebulosus (MacLeay)

MacLeay 1879: 98-99

Type-species: Lucanus nebulosus Kirby, 1818, by <sup>original description</sup> monotypy

- BP 1 ♂ (1) Gisborne, 21 Jan 1959, in house, G244, Dept Agric (2) C352 (NZAC)
- " 1 ♂ Gisborne 15 Jan 1979, in house, M.C. Thompson (NZAC)
- " 1 ♂ Gisborne 23 Jan 1952 Ag. Dept (NZAC)
- " 1 ♂ 1 ♀ " 29 Jan 1991 J. Hall [used for SEM left leg] (NZAC)
- " 7 ♂ 10 ♀ " 3 Jan 1964, in dead Acacia stump, Dept Agric (NZAC) - [1 ♂ drawn by Des Helmore 17.9.90] [1 ♂ used - elytra SEM]
- " 1 ♂ Gisborne 12 Dec 1956, G125, Dept Agric (NZAC)
- " 1 ♂ no data except 1870 [? Miller label] NZAC
- " 1 ♂ <sup>38° 35'</sup> <sub>177° 57'</sub> Gisborne, Waikirere River, 11 Jan 1960, under stone, JD Fawcett (NZAC)
- AK 1 ♂ Atterdale Rd, Auckland, Mt Albert, 9 Jan 1984, in kitchen, C. Hanna (NZAC)
- BP 1 ♀ Gisborne, 17 Jan 1990, dead on lawn, R. Dawson (NZAC)
- ? 1 ♀ no data except 1840 [? Miller label] (NZAC)
- AK 1 ♀ Epsom, 2 Feb 1995, in house, R. Dreadain

28 spers (15 ♂, 13 ♀) collected Dec + Jan, Auckland City (36° 53' 174° 42') and Gisborne (38° 41', 178° 01')

①

Serrognathus sika ~~Mat~~ Kriesche 1921  
Serrognathus sika (Kriesche, 1921)

AK 10<sup>7</sup> Pakuranga, 33 Meadway St, 6 Dec 2000, Ashley Apel, 00/949, In animate host (PANZ [= MAF National Plant Pest Reference Laboratory])

AK 10<sup>7</sup> Pakuranga, 11 Meadway St, 3 Jan 2001, ~~Sean~~ Shaun Cannell, 3/01/618. (PANZ [= MAFNPPRL]).

AK 10<sup>7</sup> Pakuranga, 11 Meadway St, 2 Apr 2001, Shaun Cannell, found live in backyard, 9/01/1232. (PANZ [= MAFNPPRL])  
[This spec dissected; genitalia & external structures drawn by BAH, June 2001]

Other specimens examined & drawn from Taiwan (Luca's material)

Serrognathus titanus (Brisdeval).

Specimens dissected & drawn from Luca Bartolozzi coll<sup>n</sup>.

♀ genitalia C. Celebes, PALU, Palola Village, 20-30 Nov 1982, coll K. Nakamoto.

♂ genitalia Sulawesi, Ulu 1991

Lamprisma aurata Latreille (1)

GB 1 ♂, near Puhā, approx. 28 km NW of Gisborne, 11 Jan 1990,  
Dr Stuart Davis (NZAC).

Syndesus cornutus (Fabricius) 1  
Syndesus cornutus

- WO 1♂ <sup>37°47'</sup><sub>175°21'</sub> Between Eureka and Newstead, in building (lavatory), March 1970, Mr Appleton (NZAC)
- AK 2♂ <sup>36°57'</sup><sub>174°51'</sub> Otahuhu, infesting oak doorpost, Kings College Chapel, 29 Jan 1968, [coll?] (NZAC)
- AK 7♂ <sup>36°55'</sup><sub>174°46'</sub> Penrose, ex rotting floor boards, 26 Mar 1969, Termite Inspector (NZAC)
- AK 1♂ <sup>36°47'</sup><sub>174°36'</sub> Whenuapai, attracted to lights inside house at night, 5 Mar 1989, M. Manning (NZAC)
- AK 1♂ <sup>36°55'</sup><sub>174°37'</sub> Glen Eden, 5 Feb 1990, flying at dusk, N.A. Martin (NZAC)
- AK 1♂ <sup>36°58'</sup><sub>174°42'</sub> ① Mt Albert, 11 Mar 1961, x house, F. Jeffs ② Det B. M. May, 12/5/1961 *Syndesus cornutus* (F.) (NZAC)
- AK 1♂ Mt Albert, 30 Mar 1963, ex house, BM May (NZAC)
- AK 1♂, 1♀ <sup>36°59'</sup><sub>174°48'</sub> ① Papatoetoe, Apr 1982, in old eucalyptus logs, P. J. Mullen ② In cop. 30 Apr 1982 ③ Illustrated D.W. Helmore 5.11.90.
- AK 1♂ <sup>37°18'</sup><sub>174°55'</sub> ① Pukekohe, 27 Feb 1992, TJB Herman ② caught in light trap on research station (NZAC)
- AK 1♂ <sup>36°53'</sup><sub>174°37'</sub> Remuera, 18 Mar 1991, P. Anning (NZAC)
- ND 1♂ <sup>35°43'</sup><sub>174°19'</sub> ① Whangarei, 22 Mar 1979, light trap, MAF. ② Specimen returned to MAF Whangarei ③ *Syndesus cornutus* ♂, det BA Holloway 1979.
- AK 9♂ 4♀ <sup>36°49'</sup><sub>174°43'</sub> Birkenhead, larvae coll. 22-23 Oct 1990 in old post, Chelsea Sugar Refinery, D. Longworth, adults em 18 Feb 1991, Apr 1991, Mar 1991, (reared BA Holloway). (NZAC)
- AK 1♂ Birkenhead, larva coll 22 Oct 1990, D Longworth, in old post Chelsea Sugar Refinery, adult em 19 Feb 1991, reared BA Holloway, [Part of right elytron used for SEM] (NZAC)
- AK 1♀ (-head), and fragments of several other specimens (♂♂+♀♀) [mounted on 13 cards, Henderson, 24 May 1985, found dead in dead *Pinus radiata*, W.J. Ewers (NZAC)
- CL 1♂ <sup>37°17'</sup><sub>176°15'</sub> Major I. 'BP. [sic]', 12 Feb 1993, D. Wills [gift from FRI] (NZAC)

30♂♂ ||  
 Other records - Gisborne <sup>38°40'</sup><sub>178°01'</sub>  
 Tauranga <sup>37°41'</sup><sub>176°10'</sub>  
 Chatham Islands