

Division of Entomology

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**AUSTRALIA'S INTRODUCED DUNG BEETLES:  
ORIGINAL RELEASES AND  
REDISTRIBUTIONS**

M. Tyndale-Biscoe

January 1996

Technical Report No. 62



# **Australia's introduced dung beetles: Original releases and redistributions**

**Marina Tyndale-Biscoe**

**Division of Entomology**

Technical Report No. 62



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# Australia's Introduced Dung Beetles: Original Releases and Redistributions

Tyndale-Biscoe, M.

## Introduction

This document lists the original releases of exotic dung beetles made in Australia, some of the redistributions of established species into new, as yet uncolonised, areas and the recoveries of exotic beetles made by participants in the CSIRO Double Helix Science Club's *Dung Beetle Crusade* during the summer of 1994-95.

Between 1969 and 1984, the CSIRO Division of Entomology introduced into Australia 52 species of dung beetles, and five species of Histerids from other parts of the world. The project, funded in part by the Meat Research and Development Corporation, was headed by Dr G.F. Bornemissza. He had noticed that Australian pastures were often fouled by accumulations of cow manure, a substance foreign to the Australian environment. Native species of dung beetles, although able to breed in cow dung, were clearly unable to bury or disperse a significant amount of it on a sustained basis. In contrast, in countries with a native herbivorous and ruminant mammalian fauna, dung was dispersed fairly rapidly by dung beetles that had evolved alongside the mammals. It was these beetles, found commonly on pastures in the large moist dung pads of herbivores, that were selected for importation. They were collected from countries with climates similar to the various agricultural regions of Australia, and the species chosen were those showing a preference for ruminant type dung in open pastures.

In order to prevent the accidental introduction of stock and pasture diseases, as well as of phoretic mites and nematodes from the countries of origin, quarantine regulations required that the beetles were introduced in the egg stage and that the eggs be surface sterilised in 3% formalin. Laboratories were set up in South Africa and France, where the beetles were made to oviposit. The eggs were extracted from the broods, surface sterilised and air freighted to a quarantine facility in Canberra. There they were placed into individual broods hand-made from locally collected dung, which were put into moist soil in temperature controlled rooms. There the eggs hatched and development proceeded through into the adult stage. The adults were made to breed again, and initially it was the third generation of beetles that was released into the field. Subsequently the F1 generation was released, provided the original beetles were collected from areas where foot and mouth disease was not endemic.

Mortality of eggs and larvae in the rearing facilities was high, and some species died out in quarantine. However, of the 57 species sent to Australia, 39 were reared successfully and released somewhere in Australia. By 1989, some 26 species had become established and were recovered, some having built up into large populations.

In the mid 1980s, a laboratory was set up in southern Spain to introduce four species of spring-breeding dung beetles into Western Australia. Three of these species had already been introduced (*Copris hispanus*, *Bubas bison* and *Onitis belial*) but had not yet been recovered, and the fourth was a new species not yet introduced, *Bubas bubalus*. This was a semi independent project funded by the Government of Western Australia. The beetles were flown into the Australian Animal Health Laboratory's Quarantine facilities as adults, and made to lay eggs. The eggs were then surface sterilised and flown to a quarantine facility in the Western Australian Department of Agriculture, where they were reared to the adult stage and released. The numbers released and release sites for this exercise are not included in this document.

It was realised early in the project's life that the beetles spread relatively slowly, and it would take many years for each species to spread into all the climatically suitable areas. Therefore, established species were collected from places where they were numerous, and re-released into new areas. This was a low-cost operation that ensured their wide distribution much more rapidly than if they had been left to disperse by themselves, or from further releases of laboratory bred material. Some of these redistributions, made by CSIRO staff, are listed over the page.

From 1987 to 1993, the Dairy Research and Development Corporation funded the Division for a redistribution project. The aim was to seed with dung beetles climatically suitable dairy areas of southern and south-eastern Australia, thereby advancing the time when the benefits of these insects can be enjoyed both by farmers and the wider community. The list of these redistributions is included in this document.

Finally, members of the CSIRO Double Helix *Dung Beetle Crusade* collected beetles around Australia during the summer months of 1994–95. A list of the species of exotic beetles found, together with the localities they were found in, is included at the end of this paper.

### Acknowledgments

I wish to acknowledge the great deal of work done by the staff of the CSIRO Division of Entomology's Dung Beetle Unit in compiling the original release data on the Vax Mainframe computer, up to 1984. Ian Dadour, Agriculture Western Australia, scanned that data on to a desk top PC. I would like to thank Tom Weir, CSIRO Division of Entomology, for assistance with the identification of some of the more difficult beetles.

## Dung beetle releases

The following is the list of original dung beetle releases made in Australia between 1969 and 1984. All beetles released are the F1 or F3 generation, reared in quarantine, of parents that were imported from overseas as surface sterilised eggs, or they are the adults reared in quarantine from the imported, surface sterilised eggs.

### Meanings of columns and headings

Index - Index number of the release and/or recovery site. The first digit of the number specifies the state or territory of the site:

- 0 – Overseas
- 2 – NSW
- 3 – Victoria
- 4 – Queensland
- 5 – South Australia
- 6 – Western Australia
- 7 – Tasmania
- 8 – Northern Territory

The remaining digits indicate the site number unique to that state ie. there is a site 0001 in NSW (20001) plus a site 0001 in Victoria (30001) and so on.

|          |  |
|----------|--|
| Property | Name of property or site name  |
| Location | Kilometres and direction from nearest major town or significant landmark. For sites on a road, km refers to road kilometres, while for properties it refers to kilometres as a crow would fly. |
| Town     | Nearest major town or significant landmark   |
| Lat.     | Latitude of site in degrees and minutes  |
| Long.    | Longitude of site in degrees and minutes   |
| Map      | Map number in which site is located (International map of the world)   |
| Rel.     | Date of release (Month/Year)   |
| Q'ty     | Number of beetles released   |
| St.      | Strain of species (if applicable)  |
| Status   | Information on the establishment of the beetles.   |

If:

- Found            Date shown is date of first recovery of species at that site.
- Not Found      Date shown is date of most recent check of species at that site (if known).
- Blank            Indicates that the site has not been checked for recovery of the specified species.

## Origin of species and strains released in Australia

### AFRICAN CONTINENT

|                         |   |
|-------------------------|---|
| South Africa            | <i>Allogymnopleurus thalassinus</i><br><i>Euoniticellus africanus</i><br><i>E. intermedius</i><br><i>Chironitis scabrosus</i><br><i>Hister callidus</i> , <i>H. cruentus</i><br><i>Onitis alexis</i> (strains C & T), <i>O. aygulus</i> (strains SR and WR), <i>O. caffer</i> (SR),<br><i>O. crenatus</i> , <i>O. deceptor</i> , <i>O. uncinatus</i> , <i>O. pecuarius</i> (strains SR and ER)<br><i>O. viridulus</i><br><i>Onthophagus binodis</i> (strains SR & ER), <i>O. bubalus</i> , <i>O. cameloides</i> (1),<br><i>O. gazella</i> (strains GP & ER)<br><i>Sisyphus fortuitus</i> , <i>S. infuscatus</i> , <i>S. mirabilis</i> , <i>S. rubrus</i> , <i>S. spinipes</i> |
| South Africa via Hawaii | <i>Liatongus militaris</i>  |
| Africa via Hawaii       | <i>Hister caffer</i> , <i>H. nomas</i> , <i>Onthophagus gazella</i> (T)   |
| Southern Africa         | <i>Copris elphenor</i> (1)  |
| Angola                  | <i>Onthophagus foliaceus</i>  |
| Kenya                   | <i>Copris diversus</i> , <i>C. follaciosus</i><br><i>Onitis vanderkelleni</i> , <i>Onthophagus nigriventris</i>   |
| Malawi, Mozambique      | <i>Onitis alexis</i> (T)  |
| Nigeria                 | <i>Onthophagus obliquus</i>   |
| Zimbabwe                | <i>Copris bonemisszai</i><br><i>Onitis alexis</i> (T), <i>O. westermanni</i>  |

### EUROPE AND MIDDLE EAST

|                 |  |
|-----------------|--|
| France          | <i>Euoniticellus fulvus</i> (1)<br><i>Geotrupes spiniger</i> (1 & 2)<br><i>Onthophagus vacca</i> (4),<br><i>Copris lunaris</i> , <i>C. hispanus</i>                              |
| Greece          | <i>Onthophagus taurus</i> (2), <i>O. opacicollis</i>   |
| Iran            | <i>Euoniticellus pallipes</i> (1)  |
| Spain and Italy | <i>Euoniticellus taurus</i> (1)  |
| Turkey          | <i>Euoniticellus fulvus</i> (strains 2, 4 & 5), <i>E. pallipes</i> (strains 2 & 3)<br><i>Onthophagus taurus</i> (strains 3, 4, 5 & 6)<br><i>Bubas bison</i><br><i>Onitis ion</i> |

### ASIAN CONTINENT

|                   |                                |
|-------------------|--------------------------------|
| Ceylon via Hawaii | <i>Onthophagus sagittarius</i> |
| Java via Fiji     | <i>Hister chinensis</i>        |

### AMERICAN CONTINENT

|                   |                         |
|-------------------|-------------------------|
| Mexico            | <i>Copris incertus</i>  |
| Mexico via Hawaii | <i>Canthon humectus</i> |

|          |                    |
|----------|--------------------|
| Strains: | ER Even rainfall   |
|          | SR Summer rainfall |
|          | WR Winter rainfall |
|          | C Cold             |
|          | GP Gene Pool       |
|          | T Tropical         |
|          | 1 etc - see files  |

Dung beetle releases

| Index | Property       | Location  | Town                  | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|----------------|-----------|-----------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 50005 | Angel Gully    | 21 km SSE | Adelaide              | SI54/13 | 35 7  | 138 37 | Sep/72 | 510  | <i>Onthophagus gazella</i>       | C  | Found Oct/76     |
| 50012 | El-Rimal       | 40 km ENE | Adelaide              | SI54/9  | 34 54 | 138 53 | Feb/74 | 500  | <i>Onthophagus binodis</i>       | WR | Not found Mar/81 |
| 50012 | El-Rimal       | 40 km ENE | Adelaide              | SI54/9  | 34 54 | 138 53 | Apr/73 | 500  | <i>Onthophagus gazella</i>       | C  | Not found Mar/81 |
| 50033 | Gumbank        | 30 km E   | Adelaide (Charleston) | SI54/9  | 34 54 | 138 56 | Jun/77 | 600  | <i>Euoniticellus pallipes</i>    | I  | Not found Mar/81 |
| 80040 | Colonia Stud   | 68 km SW  | Adelaide River        | SD52/08 | 13 44 | 130 41 | Nov/70 | 220  | <i>Onthophagus gazella</i>       | T  | Found Jun/81     |
| 80040 | Colonia Stud   | 68 km SW  | Adelaide River        | SD52/08 | 13 44 | 130 41 | Nov/73 | 200  | <i>Onthophagus gazella</i>       | GP | Found Jun/81     |
| 80041 | Mt Bunday      | 10 km NE  | Adelaide River        | SD52/8  | 13 12 | 131 11 | Feb/71 | 220  | <i>Onthophagus gazella</i>       | T  | Found Jun/81     |
| 80041 | Mt Bunday      | 10 km NE  | Adelaide River        | SD52/8  | 13 12 | 131 11 | Nov/73 | 200  | <i>Onthophagus gazella</i>       | GP | Found Sep/80     |
| 80054 | Gubb's Farm    | 15 km NE  | Adelaide River        | SD52/8  | 13 11 | 131 13 |        |      | <i>Onthophagus sagittarius</i>   |    |                  |
| 80054 | Gubb's Farm    | 15 km NE  | Adelaide River        | SD52/8  | 13 11 | 131 13 | Mar/77 | 1300 | <i>Onthophagus obliquus</i>      |    |                  |
| 80054 | Gubb's Farm    | 15 km NE  | Adelaide River        | SD52/8  | 13 11 | 131 13 |        |      | <i>Onthophagus gazella</i>       | GP | Found Apr/77     |
| 80054 | Gubb's Farm    | 15 km NE  | Adelaide River        | SD52/8  | 13 11 | 131 13 | Apr/77 | 900  | <i>Onthophagus obliquus</i>      |    |                  |
| 80054 | Gubb's Farm    | 15 km NE  | Adelaide River        | SD52/8  | 13 11 | 131 13 |        |      | <i>Euoniticellus intermedius</i> |    |                  |
| 80054 | Gubb's Farm    | 15 km NE  | Adelaide River        | SD52/8  | 13 11 | 131 13 | Feb/71 | 220  | <i>Onthophagus gazella</i>       | T  | Found Apr/77     |
| 80206 | Tipperary      | 56 km S   | Adelaide River        | SD52/8  | 13 44 | 131 03 | Feb/71 | 220  | <i>Onthophagus gazella</i>       | T  | Found Jun/81     |
| 80207 | Hillcrest      | 72 km SW  | Adelaide River        | SD52/8  | 13 43 | 130 38 | Feb/71 | 220  | <i>Onthophagus gazella</i>       | T  | Found Jun/81     |
| 80300 | Recovery Area  | 30 km SSW | Adelaide River        | SD52/8  | 13 30 | 131 00 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jun/81     |
| 80300 | Recovery Area  | 30 km SSW | Adelaide River        | SD52/8  | 13 30 | 131 00 |        |      | <i>Euoniticellus intermedius</i> |    |                  |
| 80301 | Recovery Area  | 72 km SW  | Adelaide River        | SD52/7  | 13 45 | 130 13 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jun/81     |
| 80301 | Recovery Area  | 72 km SW  | Adelaide River        | SD52/7  | 13 45 | 130 13 |        |      | <i>Euoniticellus intermedius</i> |    |                  |
| 20042 | Red Hill Stn   | 5 km N    | Adjungbilly           | SI55/15 | 35 06 | 148 21 | Nov/72 | 500  | <i>Onthophagus binodis</i>       | SR | Found Jun/81     |
| 60005 | Carmendale     | 32 km NNW | Albany                | SI50/11 | 34 46 | 117 42 | Aug/72 | 687  | <i>Onthophagus binodis</i>       | WR | Found Mar/76     |
| 60011 | Greycotes Farm | 40 km W   | Albany                | SI50/11 | 34 58 | 117 28 | Oct/72 | 500  | <i>Onthophagus binodis</i>       | WR | Found Mar/76     |
| 60180 | Recovery Area  | 30 km NE  | Albany                | SI50/11 | 34 50 | 118 06 |        |      | <i>Onthophagus binodis</i>       | WR | Found Jan/79     |
| 60181 | Recovery Area  | 20 km NE  | Albany                | SI50/11 | 34 53 | 118 00 |        |      | <i>Onthophagus binodis</i>       | WR | Found Jan/79     |
| 60270 | Manypeaks      | 39 km NE  | Albany                | SI50/11 | 34 51 | 118 9  |        |      | <i>Onthophagus binodis</i>       | WR | Found Feb/80     |
| 20210 | (Road Release) | 5 km NE   | Albert                | SI55/3  | 32 21 | 147 33 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    |                  |
| 20210 | (Road Release) | 5 km NE   | Albert                | SI55/3  | 32 21 | 147 33 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |                  |
| 20211 | (Road Release) | 23 km NE  | Albert                | SI55/3  | 32 15 | 147 39 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |                  |
| 20211 | (Road Release) | 23 km NE  | Albert                | SI55/3  | 32 15 | 147 39 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    |                  |
| 20212 | (Road Release) | 39 km NE  | Albert                | SI55/3  | 32 12 | 147 47 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |                  |
| 20212 | (Road Release) | 39 km NE  | Albert                | SI55/3  | 32 12 | 147 47 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    |                  |
| 20213 | (Road Release) | 57 km NE  | Albert                | SI55/3  | 32 7  | 147 40 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    |                  |
| 20213 | (Road Release) | 57 km NE  | Albert                | SI55/3  | 32 7  | 147 50 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |                  |
| 20817 | Roadside       | 3 km N    | Albion Park           | SI56/09 | 34 33 | 150 46 | Dec/80 | 1800 | <i>Onitis alexis</i>             | C  | Not found Nov/80 |
| 20511 | Willurah       | 16 km NE  | Albany                | SI55/15 | 35 56 | 147 1  | Feb/78 | 780  | <i>Onthophagus taurus</i>        | 5  | Not found Nov/80 |
| 20511 | Willurah       | 16 km NE  | Albany                | SI55/15 | 35 56 | 147 1  | Feb/78 | 1200 | <i>Onthophagus taurus</i>        | 5  | Not found Nov/80 |
| 20606 | Murray Bend    | 6 km W    | Albany                | SI55/2  | 36 05 | 146 53 | Nov/80 | 1000 | <i>Onthophagus taurus</i>        | 4  |                  |

|       |                  |            |                   |         |       |        |        |      |                                  |    |    |              |
|-------|------------------|------------|-------------------|---------|-------|--------|--------|------|----------------------------------|----|----|--------------|
| 20607 | Willowbank       | km S       | Albury (Olive St) | SJ55/2  | 36 06 | 146 56 | Sep/80 | 1000 | <i>Onthophagus taurus</i>        | 4  | 4  | Found Apr/81 |
| 20607 | Willowbank       | km S       | Albury (Olive St) | SJ55/2  | 36 06 | 146 56 | May/81 | 1000 | <i>Onthophagus taurus</i>        | 4  | 4  | Found Apr/81 |
| 80297 | Connells Lagoon  | km NW      | Alexandria Downs  | SE53/12 | 18 40 | 136 30 |        |      | <i>Onthophagus gazella</i>       | GP | GP | Found Mar/78 |
| 80297 | Connells Lagoon  | km NW      | Alexandria Downs  | SE53/12 | 18 40 | 136 30 |        |      | <i>Euoniticellus intermedius</i> | T  | T  | Found Mar/78 |
| 80043 | Research Inst.   | 10 km S    | Alice Springs     | SF53/14 | 23 42 | 133 52 | Dec/71 | 400  | <i>Onthophagus gazella</i>       | T  | T  | Found Mar/84 |
| 80043 | Research Inst.   | 10 km S    | Alice Springs     | SF53/14 | 23 42 | 133 52 |        |      | <i>Onitis alexis</i>             |    |    | Found Mar/78 |
| 80043 | Research Inst.   | 10 km S    | Alice Springs     | SF53/14 | 23 42 | 133 52 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |    | Found Mar/78 |
| 80043 | Research Inst.   | 10 km S    | Alice Springs     | SF53/14 | 23 42 | 133 52 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |    | Found Mar/78 |
| 80043 | Research Inst.   | 10 km S    | Alice Springs     | SF53/14 | 23 42 | 133 52 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |    | Found Mar/78 |
| 80043 | Research Inst.   | 10 km S    | Alice Springs     | SF53/14 | 23 42 | 133 52 | Mar/74 | 500  | <i>Euoniticellus intermedius</i> |    |    | Found Mar/78 |
| 80044 | Yambah           | 60 km N    | Alice Springs     | SF53/14 | 23 8  | 133 50 | Mar/74 | 500  | <i>Onthophagus gazella</i>       | GP | GP | Found Jun/75 |
| 80044 | Yambah           | 60 km N    | Alice Springs     | SF53/14 | 23 8  | 133 50 | Mar/74 | 500  | <i>Euoniticellus intermedius</i> |    |    |              |
| 80068 | Indiana Station  | 165 km ENE | Alice Springs     | SF53/15 | 23 20 | 135 26 | May/74 | 500  | <i>Euoniticellus intermedius</i> |    |    |              |
| 80070 | Mt Riddock Stn   | 112 km NE  | Alice Springs     | SF53/14 | 23 2  | 134 44 | May/74 | 500  | <i>Euoniticellus intermedius</i> |    |    |              |
| 80071 | Ammaroo Station  | 255 km NE  | Alice Springs     | SF53/7  | 21 45 | 135 14 |        |      | <i>Onthophagus gazella</i>       |    |    | Found Nov/83 |
| 80071 | Ammaroo Station  | 255 km NE  | Alice Springs     | SF53/7  | 21 45 | 135 14 | May/74 | 500  | <i>Euoniticellus intermedius</i> |    |    | Found Jun/75 |
| 80073 | Narwietooma      | 135 km NW  | Alice Springs     | SF53/13 | 23 14 | 132 37 | May/74 | 500  | <i>Euoniticellus intermedius</i> |    |    |              |
| 80075 | Undoolya         | 18 km E    | Alice Springs     | SF53/14 | 23 42 | 134 2  |        |      | <i>Onitis alexis</i>             | T  | T  | Found Mar/82 |
| 80075 | Undoolya         | 18 km E    | Alice Springs     | SF53/14 | 23 42 | 134 2  |        |      | <i>Onthophagus gazella</i>       | T  | T  | Found Mar/78 |
| 80075 | Undoolya         | 18 km E    | Alice Springs     | SF53/14 | 23 42 | 134 2  | May/74 | 500  | <i>Euoniticellus intermedius</i> |    |    |              |
| 80081 | Hamilton Downs   | 65 km WNW  | Alice Springs     | SF53/13 | 23 31 | 133 16 |        |      | <i>Onitis alexis</i>             |    |    | Found Nov/83 |
| 80081 | Hamilton Downs   | 65 km WNW  | Alice Springs     | SF53/13 | 23 31 | 133 16 |        |      | <i>Euoniticellus intermedius</i> |    |    | Found Nov/83 |
| 80081 | Hamilton Downs   | 65 km WNW  | Alice Springs     | SF53/13 | 25 31 | 133 16 | Dec/74 | 500  | <i>Euoniticellus intermedius</i> |    |    | Found Jun/75 |
| 80084 | Todd River       | 65 km ESE  | Alice Springs     | SF53/14 | 23 51 | 134 30 | Dec/74 | 500  | <i>Euoniticellus intermedius</i> |    |    |              |
| 80090 | Erdunda          | 190 km SSW | Alice Springs     | SG53/5  | 25 13 | 133 11 | Jan/76 | 250  | <i>Euoniticellus intermedius</i> |    |    | Found Nov/77 |
| 80156 | Painter Springs  | 20 km NW   | Alice Springs     | SF53/14 | 23 35 | 133 41 |        |      | <i>Euoniticellus intermedius</i> |    |    | Found Dec/75 |
| 80173 | Quarant. Paddock | 16 km S    | Alice Springs     | SF53/14 | 23 50 | 133 54 | Feb/78 | 1000 | <i>Onitis alexis</i>             | T  | T  | Found Mar/78 |
| 80174 | Palmer Valley    | 135 km SSW | Alice Springs     | SG53/1  | 24 45 | 133 14 | Mar/78 | 2500 | <i>Onthophagus gazella</i>       | T  | T  | Found Mar/78 |
| 80174 | Palmer Valley    | 135 km SSW | Alice Springs     | SG53/1  | 24 45 | 133 14 |        |      | <i>Euoniticellus intermedius</i> |    |    | Found Mar/78 |
| 80175 | Umbeara          | 230 km S   | Alice Springs     | SG53/6  | 25 45 | 133 41 | Feb/78 | 2500 | <i>Onthophagus gazella</i>       | T  | T  | Found Nov/83 |
| 80176 | Woodgreen        | 150 km NNE | Alice Springs     | SF53/10 | 22 24 | 134 14 | Feb/78 | 2500 | <i>Onthophagus gazella</i>       | T  | T  | Found Mar/78 |
| 80176 | Woodgreen        | 150 km NNE | Alice Springs     | SF53/1  | 24 45 | 133 14 |        |      | <i>Euoniticellus intermedius</i> |    |    |              |
| 80177 | Truck Yards      | 2 km NW    | Alice Springs     | SF53/14 | 23 39 | 133 52 | Feb/78 | 2500 | <i>Onthophagus gazella</i>       | T  | T  | Found Mar/78 |
| 80177 | Truck Yards      | 2 km NW    | Alice Springs     | SF53/14 | 23 39 | 133 52 | Apr/72 | 500  | <i>Onthophagus gazella</i>       | T  | T  |              |
| 80178 | Recovery Area    | 90 km S    | Alice Springs     | SG53/1  | 24 20 | 133 25 |        |      | <i>Euoniticellus intermedius</i> |    |    | Found Mar/78 |
| 80179 | Recovery Area    | 30 km S    | Alice Springs     | SF53/14 | 23 59 | 133 56 |        |      | <i>Euoniticellus intermedius</i> |    |    | Found Mar/78 |
| 80180 | Kunoth Well      | 38 km NW   | Alice Springs     | SF53/14 | 23 32 | 133 35 |        |      | <i>Onthophagus gazella</i>       | GP | GP | Found Mar/78 |
| 80180 | Kunoth Well      | 38 km NW   | Alice Springs     | SF53/14 | 23 32 | 133 35 |        |      | <i>Euoniticellus intermedius</i> |    |    | Found Mar/78 |
| 80181 | Cadney Bore      | 43 km NW   | Alice Springs     | SF53/14 | 23 30 | 133 31 |        |      | <i>Onthophagus gazella</i>       | GP | GP | Found Mar/78 |
| 80181 | Cadney Bore      | 43 km NW   | Alice Springs     | SF53/14 | 23 30 | 133 31 |        |      | <i>Euoniticellus intermedius</i> |    |    | Found Mar/78 |
| 80182 | Hamburger Dam    | 74 km NW   | Alice Springs     | SF53/13 | 23 30 | 133 22 |        |      | <i>Onthophagus gazella</i>       | GP | GP | Found Mar/78 |
| 80182 | Hamburger Dam    | 74 km NW   | Alice Springs     | SF53/13 | 23 30 | 133 22 |        |      | <i>Euoniticellus intermedius</i> |    |    | Found Mar/78 |

| Index | Property           | Location  | Town          | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|--------------------|-----------|---------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 80183 | Anburla Station    | 100 km NW | Alice Springs | SF53/13 | 23 20 | 133 10 |        |      | <i>Onthophagus gazella</i>       | GP | Found Mar/78     |
| 80183 | Anburla Station    | 100 km NW | Alice Springs | SF53/13 | 23 20 | 133 10 |        |      | <i>Euoniticellus intermedius</i> | GP | Found Mar/78     |
| 80184 | Nine Mile Bore     | 15 km N   | Alice Springs | SF53/14 | 23 36 | 133 53 |        |      | <i>Onthophagus gazella</i>       | GP | Found Mar/78     |
| 80184 | Nine Mile Bore     | 15 km N   | Alice Springs | SF53/14 | 23 36 | 133 53 |        |      | <i>Euoniticellus intermedius</i> | GP | Found Mar/78     |
| 80185 | Finke River        | 130 km S  | Alice Springs | SG53/1  | 24 33 | 133 15 |        |      | <i>Euoniticellus intermedius</i> | GP | Found May/78     |
| 80186 | Recovery Area      | 11 km N   | Alice Springs | SF53/14 | 23 33 | 133 53 |        |      | <i>Onthophagus gazella</i>       | GP | Found May/78     |
| 80186 | Recovery Area      | 11 km N   | Alice Springs | SF53/14 | 23 33 | 133 53 |        |      | <i>Euoniticellus intermedius</i> | GP | Found May/78     |
| 80187 | Recovery Area      | 95 km N   | Alice Springs | SF53/10 | 22 55 | 133 30 |        |      | <i>Onthophagus gazella</i>       | GP | Found May/78     |
| 80187 | Recovery Area      | 95 km N   | Alice Springs | SF53/10 | 22 55 | 133 30 |        |      | <i>Euoniticellus intermedius</i> | GP | Found May/78     |
| 80188 | Emily Gap          | 14 km E   | Alice Springs | SF53/14 | 23 45 | 133 57 |        |      | <i>Onthophagus gazella</i>       | GP | Found May/78     |
| 80188 | Emily Gap          | 14 km E   | Alice Springs | SF53/14 | 23 45 | 133 57 |        |      | <i>Euoniticellus intermedius</i> | GP | Found May/78     |
| 80189 | Recovery Area      | 60 km NW  | Alice Springs | SF53/14 | 23 34 | 133 35 |        |      | <i>Onthophagus gazella</i>       | GP | Found May/78     |
| 80189 | Recovery Area      | 60 km NW  | Alice Springs | SF53/14 | 23 34 | 133 35 |        |      | <i>Euoniticellus intermedius</i> | GP | Found May/78     |
| 80190 | Recovery Area      | 50 km W   | Alice Springs | SF53/13 | 23 51 | 133 25 |        |      | <i>Onthophagus gazella</i>       | GP | Found May/78     |
| 80191 | Recovery Area      | 30 km E   | Alice Springs | SF53/14 | 23 44 | 134 11 |        |      | <i>Euoniticellus intermedius</i> | GP | Found May/78     |
| 80191 | Recovery Area      | 30 km E   | Alice Springs | SF53/14 | 23 44 | 134 11 |        |      | <i>Onthophagus gazella</i>       | GP | Found May/78     |
| 80192 | Recovery Area      | 45 km E   | Alice Springs | SF53/14 | 23 40 | 134 16 |        |      | <i>Euoniticellus intermedius</i> | GP | Found May/78     |
| 80192 | Recovery Area      | 45 km E   | Alice Springs | SF53/14 | 23 40 | 134 16 |        |      | <i>Onthophagus gazella</i>       | GP | Found May/78     |
| 80193 | Recovery Area      | 48 km E   | Alice Springs | SF53/14 | 23 40 | 134 17 |        |      | <i>Euoniticellus intermedius</i> | GP | Found May/78     |
| 80193 | Recovery Area      | 48 km E   | Alice Springs | SF53/14 | 23 40 | 134 17 |        |      | <i>Onthophagus gazella</i>       | GP | Found May/78     |
| 80194 | Trephina G. To.    | 65 km E   | Alice Springs | SF53/14 | 23 34 | 134 23 |        |      | <i>Euoniticellus intermedius</i> | GP | Found May/78     |
| 80194 | Trephina G. To.    | 65 km E   | Alice Springs | SF53/14 | 23 34 | 134 23 |        |      | <i>Onthophagus gazella</i>       | GP | Found May/78     |
| 80195 | Ross River Himst   | 80 km E   | Alice Springs | SF53/14 | 23 36 | 134 30 |        |      | <i>Euoniticellus intermedius</i> | GP | Found May/78     |
| 80196 | Palm Springs       | 140 km W  | Alice Springs | SG53/1  | 24 04 | 132 44 |        |      | <i>Onthophagus gazella</i>       | GP | Found May/78     |
| 80197 | Recovery Area      | 36 km S   | Alice Springs | SF53/14 | 23 56 | 133 44 |        |      | <i>Euoniticellus intermedius</i> | GP | Found May/78     |
| 80198 | Recovery Area      | 68 km S   | Alice Springs | SG53/2  | 24 13 | 133 30 |        |      | <i>Onthophagus gazella</i>       | GP | Found May/78     |
| 80199 | Recovery Area      | 149 km S  | Alice Springs | SG53/1  | 24 32 | 133 15 |        |      | <i>Euoniticellus intermedius</i> | GP | Found May/78     |
| 80200 | New Well           | 65 km NW  | Alice Springs | SF53/14 | 23 35 | 133 37 |        |      | <i>Onthophagus gazella</i>       | GP | Found May/78     |
| 80229 | Recovery Area      | 84 km NE  | Alice Springs | SF53/10 | 22 58 | 134 04 |        |      | <i>Euoniticellus intermedius</i> | GP | Found May/78     |
| 80229 | Recovery Area      | 84 km NE  | Alice Springs | SF53/10 | 22 58 | 134 04 |        |      | <i>Onthophagus gazella</i>       | GP | Found May/78     |
| 80231 | Bond Springs       | 20 km NNE | Alice Springs | SF53/14 | 23 32 | 133 55 |        |      | <i>Euoniticellus intermedius</i> | GP | Found May/78     |
| 80231 | Bond Springs       | 20 km NNE | Alice Springs | SF53/14 | 23 32 | 133 55 |        |      | <i>Onthophagus gazella</i>       | GP | Found May/78     |
| 80231 | Bond Springs       | 20 km NNE | Alice Springs | SF53/14 | 23 32 | 133 55 |        |      | <i>Euoniticellus intermedius</i> | GP | Found May/78     |
| 80292 | Ellery Gorge       | 85 km W   | Alice Springs | SF53/13 | 23 46 | 133 04 | Jan/76 | 250  | <i>Onitis alexis</i>             |    | Found Nov/77     |
| 30032 | Howgill Farm       | 2 km SE   | Allans Flat   | SJ55/2  | 36 17 | 146 57 | Sep/79 | 700  | <i>Euoniticellus intermedius</i> | 4  | Found Nov/79     |
| 30032 | Howgill Farm       | 2 km SE   | Allans Flat   | SJ55/2  | 36 17 | 146 57 | Oct/79 | 1800 | <i>Onthophagus taurus</i>        | 4  | Not found Nov/80 |
| 30035 | Van Meggelen (Mfr) | 2 km W    | Allansford    | SJ54/12 | 38 25 | 142 34 | Dec/79 | 1409 | <i>Euoniticellus fulvus</i>      | 2  | Not found Mar/81 |
| 40231 | Fairview           | 84 km SSE | Alpha         | SG55/3  | 24 19 | 147 0  | Jan/71 | 1000 | <i>Onthophagus gazella</i>       | T  | Found Feb/75     |
| 40590 | Pine Hill Creek    | 35 km E   | Alpha         | SF55/14 | 23 39 | 146 50 | Feb/80 | 2000 | <i>Sisypus rubrus</i>            |    |                  |
| 40590 | Pine Hill Creek    | 35 km E   | Alpha         | SF55/14 | 23 39 | 146 50 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/80     |



|       |                    |            |                   |         |       |        |        |      |                                  |    |                  |
|-------|--------------------|------------|-------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 40590 | Pine Hill Creek    | 35 km E    | Alpha             | SF55/14 | 23 39 | 146 50 | Feb/80 | 1500 | <i>Euoniticellus intermedius</i> |    | Found Feb/80     |
| 40591 | Glenmyra Station   | 60 km SE   | Alpha             | SG55/03 | 24 05 | 147 01 | Feb/80 | 1500 | <i>Sisyphus rubrus</i>           |    | Found Feb/80     |
| 40592 | Pechett (Mr R.)    | 6 km E     | Alpha             | SF55/14 | 23 39 | 146 42 | Feb/80 | 2500 | <i>Sisyphus rubrus</i>           | C  | Found Feb/80     |
| 40592 | Pechett (Mr R.)    | 6 km E     | Alpha             | SF55/14 | 23 39 | 146 42 |        |      | <i>Onthophagus gazella</i>       |    | Found Feb/80     |
| 40592 | Pechett (Mr R.)    | 6 km E     | Alpha             | SF55/14 | 23 39 | 146 42 |        |      | <i>Euoniticellus intermedius</i> | GP | Found Apr/76     |
| 80154 | Recovery Area      | 15 km SW   | Alroy Downs       | SE53/15 | 19 24 | 135 58 | Nov/76 | 875  | <i>Onthophagus gazella</i>       |    | Not found Mar/82 |
| 40014 | Willowbank         | 5 km SW    | Amberley Air Base | SG56/14 | 27 36 | 152 49 |        |      | <i>Onitis crenatus</i>           | GP | Found Dec/78     |
| 40018 | Willowbank         | 5 km SW    | Amberley Air Base | SG56/14 | 27 36 | 152 49 | Dec/72 | 300  | <i>Onthophagus gazella</i>       |    | Found Feb/75     |
| 40018 | Willowbank         | 5 km SW    | Amberley Air Base | SG56/14 | 27 36 | 152 49 | Nov/68 | 501  | <i>Sisyphus spinipes</i>         |    | Found Feb/75     |
| 40018 | Willowbank         | 5 km SW    | Amberley Air Base | SG56/14 | 27 36 | 152 49 | Sep/69 | 1600 | <i>Hister nomas</i>              |    | Found Feb/75     |
| 40018 | Willowbank         | 5 km SW    | Amberley Air Base | SG56/14 | 27 36 | 152 49 | Dec/72 | 300  | <i>Euoniticellus intermedius</i> |    | Found Dec/78     |
| 40018 | Willowbank         | 5 km SW    | Amberley Air Base | SG56/14 | 27 36 | 152 49 | Sep/72 | 300  | <i>Hister calidus</i>            | C  | Not found Mar/82 |
| 40018 | Willowbank         | 5 km SW    | Amberley Air Base | SG56/14 | 27 36 | 152 49 |        |      | <i>Onitis alexis</i>             | T  | Found Feb/75     |
| 80316 | No. 6 Bore         |            | Anthony Lagoon    | SE53/7  | 17 54 | 135 8  |        |      | <i>Onthophagus gazella</i>       |    | Found Aug/82     |
| 80361 | McArthur Rv Stn    | 220 km NNE | Anthony Lagoon    | SE53/04 | 16 33 | 136 01 |        |      | <i>Onthophagus gazella</i>       |    | Found Nov/83     |
| 80361 | McArthur Rv Stn    | 220 km NNE | Anthony Lagoon    | SE53/04 | 16 33 | 136 01 |        |      | <i>Onitis alexis</i>             |    | Found Nov/83     |
| 80361 | McArthur Rv Stn    | 220 km NNE | Anthony Lagoon    | SE53/04 | 16 33 | 136 01 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/83     |
| 80362 | Mallapunyah Stn    | 100 km NNE | Anthony Lagoon    | SE53/07 | 17 06 | 135 47 |        |      | <i>Onthophagus gazella</i>       |    | Found Nov/83     |
| 80362 | Mallapunyah Stn    | 100 km NNE | Anthony Lagoon    | SE53/07 | 17 06 | 135 47 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/83     |
| 80363 | Wailhallow Station | 30 km NE   | Anthony Lagoon    | SE53/07 | 17 46 | 135 45 |        |      | <i>Onthophagus gazella</i>       |    | Found Nov/83     |
| 80363 | Wailhallow Stn     | 30 km NE   | Anthony Lagoon    | SE53/07 | 17 46 | 135 45 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/83     |
| 80316 | No. 6 Bore         |            | Anthony's Lagoon  | SE53/7  | 17 54 | 135 8  |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/82     |
| 30018 | Dunrosill          | km         | Apollo Bay        | SI54/12 | 38 45 | 143 44 | Apr/73 | 500  | <i>Onthophagus gazella</i>       | C  | Not found Oct/80 |
| 20067 | Yurramie           | 1 km SW    | Araluen           | SI55/16 | 35 43 | 149 48 | Feb/78 | 1000 | <i>Onthophagus gazella</i>       | ER | Not found Feb/81 |
| 20067 | Yurramie           | 1 km SW    | Araluen           | SI55/16 | 35 43 | 149 48 | Feb/73 | 500  | <i>Onthophagus bubalus</i>       |    | Not found Feb/81 |
| 20067 | Yurramie           | 1 km SW    | Araluen           | SI55/16 | 35 43 | 149 48 | Oct/75 | 500  | <i>Onthophagus taurus</i>        | I  | Found Oct/79     |
| 20067 | Yurramie           | 1 km SW    | Araluen           | SI55/16 | 35 43 | 149 48 | Oct/73 | 1000 | <i>Onthophagus taurus</i>        | WR | Found Apr/79     |
| 20067 | Yurramie           | 1 km SW    | Araluen           | SI55/16 | 35 43 | 149 48 | Mar/79 | 280  | <i>Onitis pecuarius</i>          | ER | Found Feb/81     |
| 20067 | Yurramie           | 1 km SW    | Araluen           | SI55/16 | 35 43 | 149 48 | Oct/78 | 500  | <i>Onitis pecuarius</i>          | ER | Found Feb/81     |
| 20067 | Yurramie           | 1 km SW    | Araluen           | SI55/16 | 35 43 | 149 48 | Mar/73 | 300  | <i>Sisyphus rubrus</i>           |    | Not found Feb/81 |
| 20067 | Yurramie           | 1 km SW    | Araluen           | SI55/16 | 35 43 | 149 48 | May/79 | 150  | <i>Onitis pecuarius</i>          | ER | Found Feb/81     |
| 20067 | Yurramie           | 1 km SW    | Araluen           | SI55/16 | 35 43 | 149 48 | Mar/73 | 500  | <i>Onthophagus gazella</i>       | C  | Not found Feb/81 |
| 20067 | Yurramie           | 1 km SW    | Araluen           | SI55/16 | 35 43 | 149 48 | Dec/73 | 600  | <i>Euoniticellus africanus</i>   |    | Not found Feb/81 |
| 20067 | Yurramie           | 1 km SW    | Araluen           | SI55/16 | 35 43 | 149 48 | Dec/73 | 600  | <i>Euoniticellus intermedius</i> |    | Not found Feb/81 |
| 20067 | Yurramie           | 1 km SW    | Araluen           | SI55/16 | 35 43 | 149 48 | Oct/73 | 500  | <i>Onitis alexis</i>             | C  | Found Feb/77     |
| 20067 | Yurramie           | 1 km SW    | Araluen           | SI55/16 | 35 43 | 149 48 | Mar/74 | 200  | <i>Onitis alexis</i>             | C  | Found Feb/77     |
| 20598 | Mudmelong          | 5 km SE    | Araluen           | SI55/16 | 35 40 | 149 50 |        |      | <i>Hister nomas</i>              | C  | Found Feb/78     |
| 20599 | Tall Trees         | 7 km SE    | Araluen           | SI55/15 | 35 40 | 149 51 |        |      | <i>Onitis alexis</i>             | C  | Found Apr/80     |
| 20600 | Goodenough Gly     | 10 km SE   | Araluen           | SI55/16 | 35 42 | 149 53 |        |      | <i>Onitis alexis</i>             | C  | Found Apr/80     |
| 20601 | Merricumbene Ck    | 13 km SE   | Araluen           | SI55/16 | 35 43 | 149 54 |        |      | <i>Onitis alexis</i>             | C  | Found Apr/80     |

| Index | Property         | Location  | Town     | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|------------------|-----------|----------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20602 | Road Recovery    | 18 km SE  | Araluen  | SI55/16 | 35 44 | 149 55 |        |      | <i>Onitis alexis</i>             | C  | Found Apr/80     |
| 40014 | Dalmar           | 10 km E   | Aramac   | SF55/9  | 22 58 | 145 20 | Mar/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 40113 | Highbury         | 40 km NW  | Aramac   | SF55/9  | 22 46 | 144 54 | Mar/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 40552 | Swanlea          | 75 km NE  | Aramac   | SF55/10 | 22 26 | 145 41 |        |      | <i>Onthophagus gazella</i>       | GP | Found Dec/77     |
| 40552 | Swanlea          | 75 km NE  | Aramac   | SF55/10 | 22 26 | 145 41 |        |      | <i>Onitis alexis</i>             | T  | Not found Dec/77 |
| 40552 | Swanlea          | 75 km NE  | Aramac   | SF55/10 | 22 26 | 145 41 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/77     |
| 40557 | Adelong Tank     | 70 km NNE | Aramac   | SF55/10 | 22 23 | 145 30 |        |      | <i>Onthophagus gazella</i>       | GP | Found Feb/78     |
| 40557 | Adelong Tank     | 70 km NNE | Aramac   | SF55/10 | 22 23 | 145 30 |        |      | <i>Onitis alexis</i>             | T  | Not found Feb/78 |
| 40557 | Adelong Tank     | 70 km NNE | Aramac   | SF55/10 | 22 23 | 145 30 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/78     |
| 40558 | Wirrallee        | 101 km NE | Aramac   | SF55/10 | 22 26 | 146 02 |        |      | <i>Onthophagus gazella</i>       | GP | Found Feb/78     |
| 40558 | Wirrallee        | 101 km NE | Aramac   | SF55/10 | 22 26 | 146 02 |        |      | <i>Onitis alexis</i>             | T  | Not found Feb/78 |
| 40558 | Wirrallee        | 101 km NE | Aramac   | SF55/10 | 22 26 | 146 02 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/78     |
| 40562 | Reedy Creek      | 45 km N   | Aramac   | SF55/9  | 22 33 | 145 16 |        |      | <i>Onthophagus gazella</i>       | GP | Nof found Apr/78 |
| 40562 | Reedy Creek      | 45 km N   | Aramac   | SF55/9  | 22 33 | 145 16 |        |      | <i>Onitis alexis</i>             | T  | Not found Apr/78 |
| 40562 | Reedy Creek      | 45 km N   | Aramac   | SF55/9  | 22 33 | 145 16 |        |      | <i>Euoniticellus intermedius</i> |    | Not found Apr/78 |
| 40563 | Lake Dunn        | 65 km NE  | Aramac   | SF55/10 | 22 30 | 145 37 |        |      | <i>Onthophagus gazella</i>       | GP | Not found Apr/78 |
| 40563 | Lake Dunn        | 65 km NE  | Aramac   | SF55/10 | 22 30 | 145 37 |        |      | <i>Onitis alexis</i>             | T  | Not found Apr/78 |
| 40563 | Lake Dunn        | 65 km NE  | Aramac   | SF55/10 | 22 30 | 145 37 |        |      | <i>Euoniticellus intermedius</i> |    | Not found Apr/78 |
| 30012 | Glenlogie        | 32 km ENE | Ararat   | SI54/8  | 37 11 | 143 18 | Nov/72 | 500  | <i>Onthophagus binodis</i>       | WR | Not found Oct/80 |
| 40602 | Recovery Area    | 8 km SW   | Aratula  | SH56/02 | 28 02 | 152 30 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/81     |
| 40602 | Recovery Area    | 8 km SW   | Aratula  | SH56/02 | 28 02 | 152 30 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/81     |
| 40700 | Recovery Area    | 22 km WSW | Aratula  | SH56/2  | 28 4  | 152 25 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/82     |
| 40700 | Recovery Area    | 22 km WSW | Aratula  | SH56/2  | 28 4  | 152 25 |        |      | <i>Onitis alexis</i>             | C  | Found Mar/82     |
| 40700 | Recovery Area    | 22 km WSW | Aratula  | SH56/2  | 28 4  | 152 25 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82     |
| 60010 | Blawearry        | 8 km S    | Armadale | SI50/2  | 32 13 | 116 1  | Oct/72 | 500  | <i>Onthophagus gazella</i>       | C  | Not found        |
| 60098 | Sewell (Mr P.)   | 3 km W    | Armadale | SI50/2  | 32 8  | 115 59 | Mar/76 | 1000 | <i>Onthophagus binodis</i>       | WR | Found Jan/78     |
| 60098 | Sewell (Mr P.)   | 3 km W    | Armadale | SI50/2  | 32 8  | 115 59 | Dec/76 | 500  | <i>Onthophagus binodis</i>       | WR | Found Jan/78     |
| 20022 | Brookside        | 16 km NE  | Armidale | SH56/10 | 30 26 | 151 48 | Sep/72 | 300  | <i>Hister cruentus</i>           |    |                  |
| 20045 | Tails Gully      | 14 km NNE | Armidale | SH56/9  | 30 24 | 151 40 | Nov/72 | 300  | <i>Onitis alexis</i>             | C  |                  |
| 20062 | Coningdale       | 48 km ENE | Armidale | SH56/10 | 30 26 | 151 59 | Jan/73 | 500  | <i>Euoniticellus africanus</i>   |    |                  |
| 20085 | Panatana         | 29 km WNW | Armidale | SH56/9  | 30 28 | 151 22 | Mar/73 | 500  | <i>Onthophagus gazella</i>       | C  |                  |
| 20087 | One Tree         | 70 km E   | Armidale | SH56/10 | 30 30 | 152 20 | Mar/73 | 500  | <i>Onthophagus gazella</i>       | C  | Not found        |
| 20350 | Saumarez         | 10 km S   | Armidale | SH56/9  | 30 37 | 151 40 | Dec/76 | 600  | <i>Onitis vanderkelleni</i>      |    | Not found Jan/82 |
| 20350 | Saumarez         | 10 km S   | Armidale | SH56/9  | 30 37 | 151 40 | Dec/76 | 2000 | <i>Onthophagus taurus</i>        | 1  | Not found Jan/82 |
| 20350 | Saumarez         | 10 km S   | Armidale | SH56/9  | 30 37 | 151 40 |        |      | <i>Euoniticellus africanus</i>   |    | Found Mar/81     |
| 20350 | Saumarez         | 10 km S   | Armidale | SH56/9  | 30 37 | 151 40 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20612 | Chiswick Exp. St | 16 km SW  | Armidale | SH56/10 | 30 40 | 151 41 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/81     |
| 20612 | Chiswick Exp. St | 16 km SW  | Armidale | SH56/10 | 30 40 | 151 41 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/78     |
| 20612 | Chiswick Exp. St | 16 km SW  | Armidale | SH56/10 | 30 40 | 151 41 |        |      | <i>Euoniticellus africanus</i>   |    | Found Feb/81     |
| 20613 | Recovery Area    | km        | Armidale | SH56/10 | 30 31 | 151 40 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/81     |

|       |                   |           |                 |         |       |        |                                 |                  |
|-------|-------------------|-----------|-----------------|---------|-------|--------|---------------------------------|------------------|
| 20613 | Recovery Area     | km        | Armidale        | SH56/10 | 30 31 | 151 40 | <i>Euonitellus africanus</i>    | Found Mar/82     |
| 20613 | Recovery Area     | km        | Armidale        | SH56/10 | 30 31 | 151 40 | <i>Hister nomas</i>             | Found Mar/82     |
| 20614 | Swallowfield      | 24 km NE  | Armidale        | SH56/10 | 30 24 | 151 50 | <i>Onthophagus gazella</i>      | Found Feb/81     |
| 20674 | Harwood           | 37 km WNW | Armidale        | SH56/9  | 30 28 | 151 15 | <i>Euonitellus intermedius</i>  | Found Dec/77     |
| 20778 | Wollomombi        | 50 km E   | Armidale        | SH56/10 | 30 31 | 152 2  | <i>Euonitellus africanus</i>    | Found Mar/82     |
| 20778 | Wollomombi        | 50 km E   | Armidale        | SH56/10 | 30 31 | 152 2  | <i>Euonitellus intermedius</i>  | Found Mar/82     |
| 20779 | Fassifern         | 40 km E   | Armidale        | SH56/10 | 30 32 | 151 58 | <i>Hister nomas</i>             | Found Mar/82     |
| 20779 | Fassifern         | 40 km E   | Armidale        | SH56/10 | 30 32 | 151 58 | <i>Euonitellus africanus</i>    | Found Mar/82     |
| 20779 | Fassifern         | 40 km E   | Armidale        | SH56/10 | 30 32 | 151 58 | <i>Euonitellus intermedius</i>  | Found Mar/82     |
| 20780 | Achill            | 30 km E   | Armidale        | SH56/10 | 30 32 | 151 51 | <i>Euonitellus africanus</i>    | Found Mar/82     |
| 20780 | Achill            | 30 km E   | Armidale        | SH56/10 | 30 32 | 151 51 | <i>Euonitellus intermedius</i>  | Found Mar/82     |
| 60120 | Recovery Area     | km        | Ashburton Downs | SF50/14 | 23 24 | 117 2  | <i>Euonitellus intermedius</i>  | Found Nov/76     |
| 60121 | Recovery Area     | 18 km SE  | Ashburton Downs | SF50/14 | 23 30 | 117 10 | <i>Euonitellus intermedius</i>  | Found Nov/76     |
| 40170 | Stocker (G. & J.) | 18 km SE  | Atherton        | SE55/6  | 17 23 | 145 36 | <i>Onthophagus gazella</i>      | Found Apr/76     |
| 40170 | Stocker (G. & J.) | 18 km SE  | Atherton        | SE55/5  | 17 14 | 145 26 | <i>Onthophagus nigriventris</i> | Found Apr/80     |
| 40170 | Stocker (G. & J.) | 18 km SE  | Atherton        | SE55/6  | 17 23 | 145 36 | <i>Onitis vanderkelleni</i>     | Not found Apr/80 |
| 40170 | Stocker (G. & J.) | 18 km SE  | Atherton        | SE55/6  | 17 23 | 145 36 | <i>Euonitellus intermedius</i>  | Found Feb/76     |
| 40172 | Knowles (Mr R.)   | 7 km SE   | Atherton        | SE55/6  | 17 18 | 145 32 | <i>Onthophagus gazella</i>      | Found Apr/76     |
| 40172 | Knowles (Mr R.)   | 7 km SE   | Atherton        | SE55/6  | 17 18 | 145 32 | <i>Onitis vanderkelleni</i>     | Not found Apr/80 |
| 40172 | Knowles (Mr R.)   | 7 km SE   | Atherton        | SE55/6  | 17 18 | 145 32 | <i>Euonitellus intermedius</i>  | Found Apr/80     |
| 40172 | Knowles (Mr R.)   | 7 km SE   | Atherton        | SE55/6  | 17 18 | 145 32 | <i>Hister nomas</i>             | Found Apr/76     |
| 40173 | B & S Farms       | 5 km NW   | Atherton        | SE55/5  | 17 14 | 145 26 | <i>Onthophagus gazella</i>      | Found Apr/76     |
| 40173 | B & S Farms       | 5 km NW   | Atherton        | SE55/5  | 17 14 | 145 26 | <i>Onthophagus foliaceus</i>    | Not found Apr/80 |
| 40173 | B & S Farms       | 5 km NW   | Atherton        | SE55/5  | 17 14 | 145 26 | <i>Onthophagus nigriventris</i> | Found Apr/80     |
| 40173 | B & S Farms       | 5 km NW   | Atherton        | SE55/5  | 17 14 | 145 26 | <i>Onitis alexis</i>            | Not found Apr/80 |
| 40173 | B & S Farms       | 5 km NW   | Atherton        | SE55/5  | 17 14 | 145 26 | <i>Onitis vanderkelleni</i>     | Not found Apr/80 |
| 40173 | B & S Farms       | 5 km NW   | Atherton        | SE55/5  | 17 14 | 145 26 | <i>Euonitellus intermedius</i>  | Found Dec/76     |
| 40173 | B & S Farms       | 5 km NW   | Atherton        | SE55/5  | 17 14 | 145 26 | <i>Euonitellus africanus</i>    | Not found Apr/80 |
| 40173 | B and S Farms     | 5 km NW   | Atherton        | SE55/5  | 17 14 | 145 26 | <i>Hister nomas</i>             | Found Apr/76     |
| 40188 | Brooks (A. & R.)  | 25 km SSE | Atherton        | SE55/6  | 17 26 | 145 33 | <i>Onitis vanderkelleni</i>     | Found Apr/80     |
| 40188 | Brooks (A. & R.)  | 25 km SSE | Atherton        | SE55/6  | 17 26 | 145 33 | <i>Onthophagus nigriventris</i> | Found Apr/80     |
| 40188 | Brooks (A. & R.)  | 25 km SSE | Atherton        | SE55/6  | 17 26 | 145 33 | <i>Onthophagus gazella</i>      | Found Dec/76     |
| 40188 | Brooks (A. & R.)  | 25 km SSE | Atherton        | SE55/6  | 17 26 | 145 33 | <i>Hister nomas</i>             | Found Apr/80     |
| 40188 | Brooks (A. & R.)  | 25 km SSE | Atherton        | SE55/6  | 17 26 | 145 33 | <i>Euonitellus intermedius</i>  | Found Apr/80     |
| 40254 | Coronis Farm      | 5 km SSE  | Atherton        | SE55/6  | 17 18 | 145 31 | <i>Onthophagus gazella</i>      | Not found        |
| 40254 | Coronis Farm      | 5 km SSE  | Atherton        | SE55/6  | 17 18 | 145 31 | <i>Hister nomas</i>             | Found Feb/75     |
| 40254 | Coronis Farm      | 5 km SSE  | Atherton        | SE55/6  | 17 18 | 145 31 | <i>Hister nomas</i>             | Found Feb/75     |
| 40281 | D.P.I. Kairi      | 10 km NE  | Atherton        | SE55/6  | 17 13 | 145 33 | <i>Onthophagus nigriventris</i> | Found Apr/80     |
| 40281 | D.P.I. Kairi      | 10 km NE  | Atherton        | SE55/6  | 17 13 | 145 33 | <i>Onitis vanderkelleni</i>     | Not found Apr/80 |
| 40281 | D.P.I. Kairi      | 10 km NE  | Atherton        | SE55/6  | 17 13 | 145 33 | <i>Onthophagus gazella</i>      | Found Apr/76     |
| 40281 | D.P.I. Kairi      | 10 km NE  | Atherton        | SE55/6  | 17 13 | 145 33 | <i>Euonitellus intermedius</i>  | Found Apr/80     |

| Index | Property         | Location  | Town               | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|------------------|-----------|--------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 40287 | Springvale       | 18 km SSW | Atherton           | SE55/5  | 17 26 | 145 25 | Apr/77 | 600  | <i>Onthophagus foliaceus</i>     |    | Not found Apr/80 |
| 40287 | Springvale       | 18 km SSW | Atherton           | SE5/5   | 17 26 | 145 25 | Apr/77 | 246  | <i>Onthophagus foliaceus</i>     |    | Not found Apr/80 |
| 40287 | Springvale       | 18 km SSW | Atherton           | SE55/5  | 17 26 | 145 25 | Dec/76 | 1500 | <i>Onitis viridulus</i>          |    | Found Apr/80     |
| 40287 | Springvale       | 18 km SSW | Atherton           | SE55/5  | 17 26 | 145 25 | Mar/77 | 372  | <i>Onthophagus foliaceus</i>     |    | Not found Apr/80 |
| 40287 | Springvale       | 18 km SSW | Atherton           | SE55/5  | 17 26 | 145 25 |        |      | <i>Onthophagus nigriventris</i>  |    | Found Apr/80     |
| 40287 | Springvale       | 18 km SSW | Atherton           | SE55/5  | 17 26 | 145 25 |        |      | <i>Hister nomas</i>              |    | Found Apr/80     |
| 40287 | Springvale       | 18 km SSW | Atherton           | SE55/5  | 17 26 | 145 25 |        |      | <i>Liatongus militaris</i>       |    | Found Apr/80     |
| 40287 | Springvale       | 18 km SSW | Atherton           | SE55/5  | 17 26 | 145 25 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/80     |
| 40520 | Recovery Area    | 2 km N    | Atherton           | SE55/5  | 17 14 | 145 29 |        |      | <i>Onthophagus gazella</i>       | GP | Found Oct/76     |
| 40520 | Recovery Area    | 2 km N    | Atherton           | SE55/5  | 17 14 | 145 29 |        |      | <i>Hister nomas</i>              |    | Found Oct/76     |
| 40017 | Mountain Farm    | 24 km SW  | Augathella         | SG55/6  | 25 56 | 146 27 | Aug/72 | 270  | <i>Onitis alexis</i>             | C  |                  |
| 40340 | Recovery Area    | 30 km NNW | Augathella         | SG55/6  | 25 35 | 146 30 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 40428 | Recovery Area    | 65 km NNE | Augathella         | SG55/6  | 25 21 | 146 30 |        |      | <i>Onitis alexis</i>             | T  | Found Aug/76     |
| 40428 | Recovery Area    | 65 km NNE | Augathella         | SG55/6  | 25 21 | 146 30 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/76     |
| 40473 | Recovery Area    | km        | Augathella         | SG55/6  | 25 47 | 146 34 |        |      | <i>Onitis alexis</i>             | T  | Found Apr/77     |
| 40473 | Recovery Area    | km        | Augathella         | SG55/6  | 25 47 | 146 34 |        |      | <i>Euoniticellus intermedius</i> |    | Found May/74     |
| 40712 | Recovery Area    | 12 km NNW | Augathella         | SG55/06 | 25 42 | 146 32 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82     |
| 40712 | Recovery Area    | 12 km NNW | Augathella         | SG55/06 | 25 42 | 146 32 |        |      | <i>Onitis alexis</i>             | T  | Found Apr/82     |
| 40712 | Recovery Area    | 12 km NNW | Augathella         | SG55/06 | 25 42 | 146 32 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82     |
| 60230 | Cooper (CR & MP) | 26 km E   | Augusta            | SI50/9  | 34 15 | 115 25 | Feb/79 | 1400 | <i>Onthophagus binodis</i>       | WR | Found Apr/82     |
| 60236 | Payne (WE & GM)  | 30 km NE  | Augusta            | SI50/9  | 34 09 | 115 15 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR | Found Apr/82     |
| 60237 | Dairy            | 19 km N   | Augusta            | SI50/9  | 34 12 | 115 06 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR | Found Apr/82     |
| 60229 | Rockville        | 5 km N    | Augusta (Kudardup) | SI50/9  | 34 16 | 115 08 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR | Found Apr/82     |
| 80293 | Homestead Area   |           | Austral Downs      | SF53/04 | 20 35 | 137 43 |        |      | <i>Onthophagus gazella</i>       | GP | Found Apr/81     |
| 80294 | Homestead Area   |           | Austral Downs      | SF53/04 | 20 35 | 137 43 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/81     |
| 80294 | Happy Ck Yards   |           | Austral Downs      | SF53/04 | 20 15 | 137 50 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/81     |
| 40145 | (Road Release)   | 66 km SW  | Ayr                | SE55/15 | 19 55 | 147 50 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Aug/79     |
| 40174 | Swans Lagoon     | 58 km SSW | Ayr                | SF55/3  | 20 4  | 147 16 | Dec/74 | 500  | <i>Onitis alexis</i>             | T  | Found Apr/80     |
| 40174 | Swans Lagoon     | 58 km SSW | Ayr                | SF55/3  | 20 4  | 147 16 | Feb/77 | 225  | <i>Onthophagus sagittarius</i>   |    | Not found Apr/80 |
| 40174 | Swans Lagoon     | 58 km SSW | Ayr                | SF55/3  | 20 4  | 147 16 | Dec/78 | 2000 | <i>Sisyphus spinipes</i>         | GP | Found Apr/80     |
| 40174 | Swans Lagoon     | 58 km SSW | Ayr                | SF55/3  | 20 4  | 147 16 | Feb/77 | 671  | <i>Onthophagus gazella</i>       |    | Found Apr/80     |
| 40174 | Swans Lagoon     | 58 km SSW | Ayr                | SF55/3  | 20 4  | 147 16 | Feb/77 | 2900 | <i>Sisyphus spinipes</i>         |    | Not found Apr/80 |
| 40174 | Swans Lagoon     | 58 km SSW | Ayr                | SF55/3  | 20 4  | 147 16 | Dec/76 | 2300 | <i>Sisyphus spinipes</i>         |    | Not found Apr/80 |
| 40174 | Swans Lagoon     | 58 km SSW | Ayr                | SF55/3  | 20 4  | 147 16 | Apr/75 | 500  | <i>Onitis alexis</i>             | T  | Found Aug/79     |
| 40174 | Swans Lagoon     | 58 km SSW | Ayr                | SF55/3  | 20 4  | 147 16 |        |      | <i>Onthophagus gazella</i>       | GP | Found Dec/76     |
| 40174 | Swans Lagoon     | 58 km SSW | Ayr                | SF55/3  | 20 4  | 147 16 | Feb/77 | 475  | <i>Euoniticellus intermedius</i> |    | Found Apr/80     |
| 40174 | Swans Lagoon     | 28 km SSW | Ayr                | SF55/3  | 20 4  | 147 16 | Feb/77 | 1450 | <i>Liatongus militaris</i>       |    | Found Apr/80     |
| 40174 | Swans Lagoon     | 58 km SSW | Ayr                | SF55/3  | 20 4  | 147 16 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/76     |
| 40174 | Swans Lagoon     | 58 km SSW | Ayr                | SF55/3  | 20 4  | 147 16 |        |      | <i>Liatongus militaris</i>       |    | Found Dec/76     |
| 40238 | Pioneer Stud     | 10 km N   | Ayr                | SE55/15 | 19 34 | 147 19 | Jul/68 | 1813 | <i>Onthophagus gazella</i>       | T  | Found Apr/75     |

|       |              |         |     |         |       |        |        |      |                                  |   |              |
|-------|--------------|---------|-----|---------|-------|--------|--------|------|----------------------------------|---|--------------|
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Nov/68 | 1096 | <i>Onthophagus sagittarius</i>   | T | Found Apr/75 |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | May/68 | 4424 | <i>Onthophagus gazella</i>       | T | Found Apr/75 |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Oct/68 | 4364 | <i>Onthophagus gazella</i>       | T | Found Apr/75 |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Jun/68 | 3178 | <i>Onthophagus gazella</i>       | T | Found Apr/75 |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Sep/68 | 2685 | <i>Onthophagus gazella</i>       | T | Found Apr/75 |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Oct/68 | 4954 | <i>Onthophagus gazella</i>       | T | Found Apr/75 |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Jul/68 | 3440 | <i>Onthophagus gazella</i>       | T | Found Apr/75 |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Aug/68 | 279  | <i>Onthophagus gazella</i>       | T | Found Apr/75 |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Aug/68 | 5027 | <i>Onthophagus gazella</i>       | T | Found Apr/75 |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Jun/68 | 236  | <i>Onthophagus sagittarius</i>   | T | Found Apr/75 |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Nov/68 | 714  | <i>Onthophagus gazella</i>       | T | Found Apr/75 |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Sep/68 | 2688 | <i>Onthophagus gazella</i>       | T | Found Apr/75 |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Jun/68 | 53   | <i>Onthophagus gazella</i>       | T | Found Apr/75 |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Oct/68 | 1417 | <i>Onthophagus gazella</i>       | T | Found Apr/75 |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Aug/68 | 3023 | <i>Onthophagus gazella</i>       | T | Found Apr/75 |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Oct/68 | 811  | <i>Onthophagus gazella</i>       | T | Found Apr/75 |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Oct/68 | 151  | <i>Onthophagus sagittarius</i>   | T | Found Apr/75 |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Sep/68 | 136  | <i>Hister caffer</i>             |   | Not found    |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Jun/68 | 326  | <i>Hister caffer</i>             |   | Not found    |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Jun/68 | 120  | <i>Hister caffer</i>             |   | Not found    |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Aug/68 | 185  | <i>Hister caffer</i>             |   | Not found    |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Jun/68 | 633  | <i>Liatongus militaris</i>       |   | Found Dec/75 |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Jun/68 | 267  | <i>Hister caffer</i>             |   | Not found    |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Jan/71 | 112  | <i>Copris incertus</i>           |   | Not found    |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Jul/68 | 405  | <i>Liatongus militaris</i>       |   | Found Feb/75 |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Jul/68 | 140  | <i>Hister caffer</i>             |   | Not found    |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Jun/68 | 738  | <i>Liatongus militaris</i>       |   | Found Feb/75 |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Aug/68 | 134  | <i>Hister caffer</i>             |   | Not found    |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Aug/68 | 1617 | <i>Liatongus militaris</i>       |   | Found Feb/75 |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Sep/68 | 907  | <i>Liatongus militaris</i>       |   | Found Feb/75 |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Oct/68 | 99   | <i>Hister caffer</i>             |   | Not found    |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Sep/68 | 188  | <i>Liatongus militaris</i>       |   | Found Feb/75 |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Oct/68 | 757  | <i>Liatongus militaris</i>       |   | Found Feb/75 |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/14 | 19 34 | 147 19 | Oct/68 | 106  | <i>Euoniticellus intermedius</i> |   | Not found    |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Oct/68 | 1153 | <i>Hister caffer</i>             |   | Found Feb/75 |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Oct/68 | 65   | <i>Liatongus militaris</i>       |   | Not found    |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Nov/68 | 200  | <i>Hister caffer</i>             |   | Not found    |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Oct/68 | 64   | <i>Hister caffer</i>             |   | Not found    |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Aug/68 | 125  | <i>Hister caffer</i>             |   | Not found    |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Jul/68 | 64   | <i>Hister caffer</i>             |   | Not found    |
| 40238 | Pioneer Stud | 10 km N | Ayr | SE55/15 | 19 34 | 147 19 | Oct/68 | 3687 | <i>Liatongus militaris</i>       |   | Found Feb/75 |

| Index | Property            | Location  | Town               | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|---------------------|-----------|--------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 40238 | Pioneer Stud        | 10 km N   | Ayr                | SE55/15 | 19 34 | 147 19 | Oct/68 | 1652 | <i>Liatongus militaris</i>       |    | Found Feb/75     |
| 40290 | Belemahar           | 30 km W   | Ayr                | SE55/15 | 19 35 | 147 7  |        |      | <i>Onthophagus sagittarius</i>   |    | Found Apr/80     |
| 40290 | Belemahar           | 30 km W   | Ayr                | SE55/15 | 19 35 | 147 7  | Mar/77 | 900  | <i>Onthophagus obliquus</i>      |    | Not found Apr/80 |
| 40290 | Belemahar           | 30 km W   | Ayr                | SE55/15 | 19 35 | 147 7  |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/80     |
| 40290 | Belemahar           | 30 km W   | Ayr                | SE55/15 | 19 35 | 147 7  |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/80     |
| 40290 | Belemahar           | 30 km W   | Ayr                | SE55/15 | 19 35 | 147 7  |        |      | <i>Liatongus militaris</i>       |    | Found Apr/80     |
| 40476 | Barratta Creek      | 25 km W   | Ayr                | SE55/15 | 19 34 | 147 13 |        |      | <i>Onthophagus gazella</i>       | T  | Found Sep/70     |
| 40543 | Recovery Area       | km        | Ayr                | SE55/15 | 19 34 | 147 24 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/72     |
| 40576 | Recovery Area       | 22 km NW  | Ayr                | SE55/15 | 19 34 | 147 15 |        |      | <i>Onthophagus gazella</i>       | T  | Found Feb/82     |
| 40576 | Recovery Area       | 22 km NW  | Ayr                | SE55/15 | 19 34 | 147 15 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/75     |
| 40576 | Recovery Area       | 22 km NW  | Ayr                | SE55/15 | 19 34 | 147 15 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/75     |
| 40639 | Gumlu               | 51 km SE  | Ayr                | SE55/15 | 19 53 | 147 41 |        |      | <i>Liatongus militaris</i>       |    | Found Feb/82     |
| 40639 | Gumlu               | 51 km SE  | Ayr                | SE55/15 | 19 53 | 147 41 |        |      | <i>Onthophagus gazella</i>       | GP | Found Feb/82     |
| 40097 | Lisgar              | 35 km SE  | Ayr (Bobawaba)     | SE55/15 | 19 50 | 147 35 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 40097 | Lisgar              | 35 km SE  | Ayr (Bobawaba)     | SE55/15 | 19 50 | 147 35 |        |      | <i>Onthophagus sagittarius</i>   |    | Found Apr/75     |
| 40097 | Lisgar              | 35 km SE  | Ayr (Bobawaba)     | SE55/15 | 19 50 | 147 35 | Jan/74 | 500  | <i>Onitis alexis</i>             | T  | Found Apr/80     |
| 40097 | Lisgar              | 35 km SE  | Ayr (Bobawaba)     | SE55/15 | 19 50 | 147 35 |        |      | <i>Onthophagus gazella</i>       | GP | Found Apr/75     |
| 40097 | Lisgar              | 35 km SE  | Ayr (Bobawaba)     | SE55/15 | 19 50 | 147 35 |        |      | <i>Liatongus militaris</i>       |    | Found Apr/75     |
| 40097 | Lisgar              | 35 km SE  | Ayr (Bobawaba)     | SE55/15 | 19 50 | 147 35 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/75     |
| 30015 | Green Hill          | 18 km NE  | Bairnsdale         | SJ55/7  | 37 43 | 147 47 | Mar/73 | 500  | <i>Euoniticellus intermedius</i> |    | Found Apr/75     |
| 60223 | Cavallaro (S. & J.) | 1 km W    | Balingup           | SI50/6  | 33 46 | 115 59 | Feb/79 | 900  | <i>Euoniticellus africanus</i>   | WR | Found Jan/82     |
| 20247 | Burwill (Mr N.G.)   | 15 km SW  | Ballina            | SH56/3  | 28 57 | 153 29 |        |      | <i>Onthophagus binodis</i>       | C  | Found Mar/81     |
| 20247 | Burwill (Mr N.G.)   | 15 km SW  | Ballina            | SH56/3  | 28 57 | 153 29 | May/75 | 500  | <i>Onthophagus gazella</i>       |    | Not found Mar/81 |
| 20247 | Burwill (Mr N.G.)   | 15 km SW  | Ballina            | SH56/3  | 28 57 | 153 29 |        |      | <i>Onitis alexis</i>             | T  | Found Mar/81     |
| 20267 | Fair Winds          | 8 km NW   | Ballina            | SH56/3  | 28 48 | 153 32 | Nov/70 | 250  | <i>Hister nomas</i>              |    | Found Mar/81     |
| 20526 | Recovery Area       | 7 km W    | Ballina            | SH56/3  | 28 52 | 153 30 |        |      | <i>Hister nomas</i>              |    | Found Dec/78     |
| 20774 | Broadwater          | 25 km SW  | Ballina            | SH56/7  | 29 2  | 153 26 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/82     |
| 20774 | Broadwater          | 25 km SW  | Ballina            | SH56/7  | 29 2  | 152 26 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82     |
| 20774 | Broadwater          | 25 km SW  | Ballina            | SH56/7  | 29 2  | 153 26 |        |      | <i>Hister nomas</i>              |    | Found Mar/82     |
| 20312 | (Road Release)      | 5 km W    | Balranald          | SI54/12 | 34 37 | 143 29 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    | Not found        |
| 20312 | (Road Release)      | 5 km W    | Balranald          | SI54/12 | 34 37 | 143 29 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    | Not found        |
| 20657 | Recovery Area       | 27 km N   | Balranald          | SI54/12 | 34 24 | 143 36 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20659 | Tooleybuc           | 50 km SSE | Balranald          | SI54/16 | 35 02 | 143 20 |        |      | <i>Onitis alexis</i>             | C  | Found Mar/81     |
| 20313 | (Road Release)      | 20 km E   | Balranald (Hay Rd) | SI54/12 | 34 44 | 143 42 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    | Not found        |
| 20313 | (Road Release)      | 20 km E   | Balranald (Hay Rd) | SI54/12 | 34 44 | 143 42 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    | Not found        |
| 20314 | (Road Release)      | 40 km E   | Balranald (Hay Rd) | SI54/12 | 34 43 | 143 53 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    | Not found        |
| 20314 | (Road Release)      | 40 km E   | Balranald (Hay Rd) | SI54/12 | 34 43 | 143 53 | Feb/76 | 60   | <i>Euoniticellus africanus</i>   |    | Not found        |
| 20315 | (Road Release)      | 60 km E   | Balranald (Hay Rd) | SI55/9  | 34 42 | 144 3  | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    | Not found        |
| 20315 | (Road Release)      | 60 km E   | Balranald (Hay Rd) | SI55/9  | 34 42 | 144 3  | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    | Not found        |
| 20316 | (Road Release)      | 84 km E   | Balranald (Hay Rd) | SI55/9  | 34 38 | 144 14 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    | Not found        |
| 20316 | (Road Release)      | 84 km E   | Balranald (Hay Rd) | SI55/9  | 34 38 | 144 14 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    | Not found        |

|       |                  |            |                     |         |       |        |                                  |    |                  |
|-------|------------------|------------|---------------------|---------|-------|--------|----------------------------------|----|------------------|
| 40490 | Capt Billy Creek | 100 km SSE | Bamaga              | SC54/16 | 11 39 | 142 50 | <i>Onthophagus gazella</i>       | GP | Found Jul/75     |
| 40501 | Galloway Yard    | 10 km N    | Bamaga              | SC54/11 | 10 48 | 142 25 | <i>Onthophagus gazella</i>       | GP | Found Sep/74     |
| 40503 | Lockerbie        | 20 km NE   | Bamaga              | SC54/11 | 10 48 | 142 28 | <i>Onthophagus gazella</i>       | GP | Found Jan/75     |
| 40512 | Heathlands Cros  | 85 km S    | Bamaga              | SC54/15 | 11 33 | 142 27 | <i>Onthophagus gazella</i>       | GP | Found Jul/75     |
| 40513 | Gunshot Creek    | 100 km S   | Bamaga              | SC54/15 | 11 39 | 142 28 | <i>Onthophagus gazella</i>       | GP | Found Jul/75     |
| 40515 | Dulhunty River   | 120 km S   | Bamaga              | SC54/16 | 11 50 | 142 30 | <i>Onthophagus gazella</i>       | GP | Found Jul/75     |
| 40194 | Aborig. Reserve  | km         | Bamaga (Cape York)  | SC54/12 | 10 53 | 142 24 | <i>Onitis alexis</i>             | T  |                  |
| 40194 | Aborig. Reserve  | km         | Bamaga (Cape York)  | SC54/12 | 10 53 | 142 24 | <i>Onthophagus obliquus</i>      | GP | Found Oct/76     |
| 40194 | Aborig. Reserve  | km         | Bamaga (Cape York)  | SC54/12 | 10 53 | 142 24 | <i>Onthophagus gazella</i>       | T  | Found Aug/82     |
| 80340 | Morphett Creek   |            | Banka Banka Station | SE53/10 | 18 53 | 134 6  | <i>Onthophagus gazella</i>       |    | Found Aug/82     |
| 80340 | Morphett Creek   |            | Banka Banka Station | SE53/10 | 18 53 | 134 6  | <i>Euoniticellus intermedius</i> |    |                  |
| 40110 | Gregory Park     | 35 km SSW  | Barcaldine          | SF55/13 | 23 51 | 145 11 | <i>Euoniticellus intermedius</i> |    |                  |
| 40111 | Ashgrove         | 32 km W    | Barcaldine          | SF55/13 | 23 34 | 145 6  | <i>Euoniticellus intermedius</i> |    |                  |
| 40112 | Hillalong        | 34 km NE   | Barcaldine          | SF55/13 | 23 23 | 145 33 | <i>Onitis alexis</i>             | T  | Not found Apr/78 |
| 40112 | Hillalong        | 34 km NE   | Barcaldine          | SF55/13 | 23 23 | 145 33 | <i>Onthophagus gazella</i>       | GP | Found Apr/78     |
| 40112 | Hillalong        | 34 km NE   | Barcaldine          | SF55/13 | 23 23 | 145 33 | <i>Euoniticellus intermedius</i> |    |                  |
| 40112 | Hillalong        | 34 km NE   | Barcaldine          | SF55/13 | 23 23 | 145 33 | <i>Euoniticellus intermedius</i> |    |                  |
| 40119 | Johnston (Mr D.) | km         | Barcaldine          | SF55/13 | 23 33 | 145 18 | <i>Onthophagus gazella</i>       | GP | Found Aug/76     |
| 40429 | Recovery Area    | 15 km S    | Barcaldine          | SF55/13 | 23 13 | 145 18 | <i>Euoniticellus intermedius</i> |    | Found Aug/76     |
| 40429 | Recovery Area    | 15 km S    | Barcaldine          | SF55/13 | 23 13 | 145 18 | <i>Onthophagus gazella</i>       | GP | Found Aug/76     |
| 40551 | Dairy            |            | Barcaldine          | SF55/13 | 23 34 | 145 17 | <i>Onthophagus gazella</i>       | GP | Found Dec/77     |
| 40551 | Dairy            |            | Barcaldine          | SF55/13 | 23 34 | 145 17 | <i>Onitis alexis</i>             | T  | Found Apr/82     |
| 40551 | Dairy            |            | Barcaldine          | SF55/13 | 23 34 | 145 17 | <i>Euoniticellus intermedius</i> |    | Found Dec/77     |
| 40561 | Myrtle Vale      | 10 km E    | Barcaldine          | SF55/13 | 23 34 | 145 17 | <i>Onitis alexis</i>             | T  | Not found Mar/78 |
| 40561 | Myrtle Vale      | 10 km E    | Barcaldine          | SF55/13 | 23 32 | 145 23 | <i>Onthophagus gazella</i>       | GP | Found Mar/78     |
| 40561 | Myrtle Vale      | 10 km E    | Barcaldine          | SF55/13 | 23 32 | 145 23 | <i>Euoniticellus intermedius</i> |    | Found Mar/78     |
| 40561 | Myrtle Vale      | 10 km E    | Barcaldine          | SF55/13 | 23 32 | 145 23 | <i>Euoniticellus intermedius</i> |    | Found Mar/78     |
| 40593 | (Road Release)   | 15 km SE   | Barcaldine          | SF55/13 | 23 39 | 145 22 | <i>Onthophagus gazella</i>       | C  | Found Feb/80     |
| 40593 | (Road Release)   | 15 km SE   | Barcaldine          | SF55/13 | 23 39 | 145 22 | <i>Sisyphus rubrus</i>           |    |                  |
| 40593 | (Road Release)   | 15 km SE   | Barcaldine          | SF55/13 | 23 39 | 145 22 | <i>Euoniticellus intermedius</i> |    | Found Feb/80     |
| 20668 | Recovery Area    | 6 km SE    | Barmedan            | SI55/11 | 34 12 | 147 25 | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20604 | Murray Park      | 5 km SE    | Barooga             | SI55/14 | 35 37 | 145 44 | <i>Onthophagus taurus</i>        | 4  |                  |
| 20604 | Murray Park      | 5 km SE    | Barooga             | SI55/14 | 35 37 | 145 44 | <i>Onthophagus taurus</i>        | 4  |                  |
| 20500 | Woodsreef        | 18 km E    | Barraba             | SH56/9  | 30 23 | 150 46 | <i>Hister nomas</i>              |    | Found Jan/77     |
| 20500 | Woodsreef        | 18 km E    | Barraba             | SH56/9  | 30 23 | 150 46 | <i>Euoniticellus intermedius</i> |    | Found Jan/77     |
| 20549 | Recovery Area    | 9 km S     | Barraba             | SH56/9  | 30 26 | 150 37 | <i>Euoniticellus intermedius</i> |    | Found Jan/78     |
| 20677 | Neranghi         | 23 km NE   | Barraba             | SH56/9  | 30 17 | 150 48 | <i>Euoniticellus intermedius</i> |    | Found Nov/77     |
| 20677 | Neranghi         | 23 km NE   | Barraba             | SH56/9  | 30 17 | 150 48 | <i>Euoniticellus intermedius</i> |    | Found Dec/77     |
| 20692 | Recovery Area    | 25 km NE   | Barrington          | SH56/14 | 31 55 | 151 39 | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 40376 | Recovery Area    | 45 km N    | Barrington (NSW)    | SH55/2  | 28 40 | 145 38 | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 40377 | Recovery Area    | 5 km N     | Barrington (NSW)    | SH55/2  | 28 58 | 145 42 | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 40435 | Recovery Area    | 10 km N    | Barrington (NSW)    | SH55/2  | 28 54 | 145 43 | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 80020 | Upr Adelaide R.  | 20 km ESE  | Batchelor           | SD52/8  | 13 5  | 131 14 | <i>Onthophagus gazella</i>       | GP | Found Feb/75     |
| 80020 | Upr Adelaide R.  | 20 km ESE  | Batchelor           | SD52/8  | 13 5  | 131 14 | <i>Onitis alexis</i>             | T  |                  |

| Index | Property        | Location  | Town         | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|-----------------|-----------|--------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 80020 | Upr Adelaide R. | 20 km ESE | Batchelor    | SD52/8  | 13 5  | 131 14 | Feb/71 | 220  | <i>Onthophagus gazella</i>       | T  | Found Dec/76     |
| 80023 | Marrakai Stn    | 50 km NE  | Batchelor    | SD52/4  | 12 48 | 131 22 | Sep/73 | 200  | <i>Onthophagus gazella</i>       | GP | Found Dec/76     |
| 80023 | Marrakai Stn    | 50 km NE  | Batchelor    | SD52/4  | 12 48 | 131 22 | Oct/73 | 500  | <i>Onthophagus binodis</i>       | SR |                  |
| 80023 | Marrakai Stn    | 50 km NE  | Batchelor    | SD52/4  | 12 48 | 131 22 | Nov/73 | 500  | <i>Onitis alexis</i>             | T  |                  |
| 80023 | Marrakai Stn    | 50 km NE  | Batchelor    | SD52/4  | 12 48 | 131 22 | Feb/71 | 220  | <i>Onthophagus gazella</i>       | T  | Found Dec/76     |
| 80039 | Stapleton Stn   | 50 km NE  | Batchelor    | SD52/4  | 12 48 | 131 22 | Feb/72 | 300  | <i>Euoniticellus intermedius</i> | T  |                  |
| 80039 | Stapleton Stn   | 12 km S   | Batchelor    | SD52/8  | 13 11 | 131 02 | Oct/73 | 200  | <i>Onthophagus gazella</i>       | GP |                  |
| 80055 | Wildman River   | 90 km NE  | Batchelor    | SD52/4  | 12 38 | 131 42 |        |      | <i>Onthophagus gazella</i>       | T  | Found May/78     |
| 80055 | Wildman River   | 90 km NE  | Batchelor    | SD52/4  | 12 38 | 131 42 |        |      | <i>Onthophagus sagittarius</i>   | T  | Found May/80     |
| 80055 | Wildman River   | 90 km NE  | Batchelor    | SD52/4  | 12 38 | 131 42 | Nov/76 | 1000 | <i>Onthophagus obliquus</i>      | T  |                  |
| 80089 | Prague Stud     | 90 km NE  | Batchelor    | SD52/4  | 12 38 | 131 42 |        |      | <i>Euoniticellus intermedius</i> | T  | Found May/78     |
| 80089 | Prague Stud     | 16 km E   | Batchelor    | SD52/8  | 13 5  | 131 10 | Apr/70 | 390  | <i>Onthophagus gazella</i>       | T  | Found Sep/80     |
| 80089 | Prague Stud     | 16 km E   | Batchelor    | SD52/8  | 13 5  | 131 10 | Apr/70 | 34   | <i>Onthophagus sagittarius</i>   | T  | Found Sep/80     |
| 80089 | Prague Stud     | 16 km E   | Batchelor    | SD52/8  | 13 5  | 131 10 | Dec/75 | 500  | <i>Onitis alexis</i>             | T  |                  |
| 80089 | Prague Stud     | 16 km E   | Batchelor    | SD52/8  | 13 5  | 131 10 | Feb/71 | 220  | <i>Onthophagus gazella</i>       | T  | Found Sep/80     |
| 80089 | Prague Stud     | 16 km E   | Batchelor    | SD52/8  | 13 5  | 131 10 | Apr/70 | 54   | <i>Liatongus militaris</i>       | T  |                  |
| 80092 | Wandinya        | 20 km SE  | Batchelor    | SD52/8  | 13 5  | 131 10 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Sep/80     |
| 80209 | Larabalara      | 34 km N   | Batchelor    | SD52/8  | 13 5  | 131 10 | Apr/70 | 24   | <i>Hister caffer</i>             | T  |                  |
| 80211 | Sundance        | 4 km SW   | Batchelor    | SD52/8  | 13 5  | 131 10 | Apr/70 | 31   | <i>Copris incertus</i>           | T  |                  |
| 80212 | Coomalie Park   | 10 km NE  | Batchelor    | SD52/8  | 13 5  | 131 10 | Dec/75 | 500  | <i>Onitis alexis</i>             | T  |                  |
| 80213 | Manton River    | 28 km NNE | Batchelor    | SD52/4  | 13 7  | 131 12 | Feb/71 | 220  | <i>Onthophagus gazella</i>       | T  |                  |
| 80213 | Manton River    | 28 km NNE | Batchelor    | SD52/4  | 12 50 | 130 59 | Mar/71 | 220  | <i>Onthophagus gazella</i>       | T  |                  |
| 80213 | Manton River    | 28 km NNE | Batchelor    | SD52/4  | 13 00 | 131 6  | Apr/71 | 240  | <i>Onthophagus gazella</i>       | T  |                  |
| 80214 | Manton River    | 28 km NNE | Batchelor    | SD52/4  | 12 50 | 131 8  |        |      | <i>Onthophagus sagittarius</i>   | T  | Found Jun/80     |
| 80220 | Labasheeda      | 5 km SW   | Batchelor    | SD52/4  | 12 50 | 131 8  | Aug/71 | 180  | <i>Onthophagus gazella</i>       | T  | Found Jun/80     |
| 80221 | Meneling        | 3 km W    | Batchelor    | SD52/8  | 12 50 | 131 8  |        |      | <i>Euoniticellus intermedius</i> | T  | Found June/80    |
| 80299 | Recovery Area   | 6 km SW   | Batchelor    | SD52/8  | 13 05 | 130 58 | Nov/71 | 300  | <i>Onthophagus gazella</i>       | T  |                  |
| 80299 | Recovery Area   | 50 km WSW | Batchelor    | SD52/8  | 13 2  | 131 00 | Mar/72 | 200  | <i>Onthophagus gazella</i>       | T  | Found Jun/81     |
| 80299 | Recovery Area   | 50 km WSW | Batchelor    | SD52/8  | 13 7  | 130 57 | Apr/72 | 300  | <i>Onthophagus gazella</i>       | T  | Found Jun/81     |
| 80309 | Rum Jungle      | 5 km NW   | Batchelor    | SD52/8  | 13 11 | 130 34 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jun/81     |
| 80309 | Rum Jungle      | 5 km NW   | Batchelor    | SD52/8  | 13 11 | 130 34 |        |      | <i>Onthophagus sagittarius</i>   | T  | Found Apr/82     |
| 80309 | Rum Jungle      | 5 km NW   | Batchelor    | SD52/8  | 13 11 | 130 34 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Apr/82     |
| 20103 | (Road Release)  | 8 km NW   | Batchelor    | SD52/8  | 13 01 | 130 59 |        |      | <i>Onthophagus gazella</i>       | C  | Found Apr/82     |
| 20103 | (Road Release)  | 8 km NW   | Batemans Bay | SI56/13 | 35 38 | 150 08 | Mar/74 | 500  | <i>Euoniticellus intermedius</i> | C  | Not found Mar/78 |
| 20103 | (Road Release)  | 8 km NW   | Batemans Bay | SI56/13 | 35 38 | 150 08 | Mar/78 | 500  | <i>Onthophagus gazella</i>       | ER |                  |
| 20103 | (Road Release)  | 8 km NW   | Batemans Bay | SI56/13 | 35 38 | 150 08 | Apr/78 | 188  | <i>Onthophagus gazella</i>       | ER |                  |



|       |                   |           |                       |         |       |        |        |      |                                  |    |                  |
|-------|-------------------|-----------|-----------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20103 | (Road Release)    | 8 km NW   | Batemans Bay          | SI56/13 | 35 38 | 150 08 | Mar/78 | 500  | <i>Onthophagus gazella</i>       | ER | Found Dec/80     |
| 20103 | (Road Release)    | 8 km NW   | Batemans Bay          | SI56/13 | 35 38 | 150 08 |        |      | <i>Onitis pecuarius</i>          | ER | Not found Mar/78 |
| 20103 | (Road Release)    | 8 km NW   | Batemans Bay          | SI56/13 | 35 38 | 150 08 | Dec/73 | 550  | <i>Euoniticellus africanus</i>   | C  | Found Apr/80     |
| 20103 | (Road Release)    | 8 km NW   | Batemans Bay          | SI56/13 | 35 38 | 150 08 | Nov/74 | 500  | <i>Onitis alexis</i>             | C  | Found Mar/78     |
| 20103 | (Road Release)    | 8 km NW   | Batemans Bay          | SI56/13 | 35 38 | 150 08 |        |      | <i>Hister nomas</i>              | C  | Not found Apr/79 |
| 20167 | Smith (Mrs A.)    | 9 km N    | Batemans Bay          | SI56/13 | 35 39 | 150 16 | Dec/74 | 500  | <i>Onthophagus gazella</i>       | WR |                  |
| 20167 | Smith (Mrs A.)    | 9 km N    | Batemans Bay          | SI56/13 | 35 39 | 150 16 | Jan/80 | 3500 | <i>Onthophagus binodis</i>       | C  |                  |
| 20167 | Smith (Mrs A.)    | 9 km N    | Batemans Bay          | SI56/13 | 35 39 | 150 16 | Dec/80 | 1500 | <i>Onitis alexis</i>             | C  |                  |
| 20167 | Smith (Mrs A.)    | 9 km N    | Batemans Bay          | SI56/13 | 35 39 | 150 16 | Jan/75 | 500  | <i>Onitis alexis</i>             | C  | Not found Apr/79 |
| 20476 | Recovery Area     | 10 km N   | Batemans Bay          | SI56/13 | 35 39 | 150 15 |        |      | <i>Hister nomas</i>              |    | Found Apr/79     |
| 20477 | Recovery Area     | 21 km S   | Batemans Bay          | SI56/13 | 35 55 | 150 15 |        |      | <i>Hister nomas</i>              |    | Found Mar/77     |
| 20506 | Buckenbours Stn   | 10 km SW  | Batemans Bay          | SI56/13 | 35 45 | 150 5  | Dec/77 | 800  | <i>Onitis pecuarius</i>          | ER | Found Mar/77     |
| 20506 | Buckenbours Stn   | 10 km SW  | Batemans Bay          | SI56/13 | 35 45 | 150 5  | Feb/78 | 1600 | <i>Onthophagus gazella</i>       | ER | Found Apr/80     |
| 20506 | Buckenbours Stn   | 10 km SW  | Batemans Bay          | SI56/13 | 35 45 | 150 5  | Feb/78 | 265  | <i>Onitis pecuarius</i>          | ER | Found Feb/80     |
| 20506 | Buckenbours Stn   | 10 km SW  | Batemans Bay          | SI56/13 | 35 45 | 150 5  |        |      | <i>Onitis alexis</i>             | C  | Found Apr/80     |
| 20506 | Buckenbours Stn   | 10 km SW  | Batemans Bay          | SI56/13 | 35 45 | 150 5  |        |      | <i>Hister nomas</i>              |    | Found Apr/79     |
| 20576 | Long Beach To.    | 6 km N    | Batemans Bay          | SI56/13 | 35 41 | 150 13 | Jan/80 | 4000 | <i>Onthophagus binodis</i>       | WR | Found Apr/79     |
| 20798 | Lynne East        | 25 km NE  | Batemans Bay          | SI56/13 | 35 38 | 150 17 | Dec/80 | 1500 | <i>Onitis alexis</i>             | C  |                  |
| 20611 | Jerremanda        | km N      | Batemans Bay (Durras) | SI56/13 | 35 35 | 150 15 |        |      | <i>Onthophagus gazella</i>       | ER | Found Feb/82     |
| 20611 | Jerremanda        | km N      | Batemans Bay (Durras) | SI56/13 | 35 35 | 150 15 |        |      | <i>Onitis alexis</i>             | C  | Found Dec/80     |
| 20071 | Dakbrook          | 13 km N   | Bathurst              | SI55/8  | 33 20 | 149 35 | Feb/73 | 300  | <i>Onitis alexis</i>             | C  |                  |
| 20139 | Vedasol           | 40 km NW  | Bathurst              | SI55/8  | 33 11 | 149 24 | Jan/74 | 500  | <i>Onitis alexis</i>             | C  |                  |
| 20065 | Binbrook          | 27 km E   | Bathurst (Yetholme)   | SI55/8  | 33 26 | 149 52 | Jan/73 | 500  | <i>Onthophagus gazella</i>       | C  |                  |
| 40019 | The Mini Ranch    | 3 km W    | Beaulesert            | SH56/14 | 27 58 | 152 58 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/81     |
| 40019 | The Mini Ranch    | 3 km W    | Beaulesert            | SG56/14 | 27 58 | 152 58 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 40019 | The Mini Ranch    | 3 km W    | Beaulesert            | SG56/14 | 27 58 | 152 58 | Sep/72 | 260  | <i>Onitis alexis</i>             | C  | Found Mar/81     |
| 40026 | Hawkins (Mr L.H.) | 35 km S   | Beaulesert            | SH56/2  | 28 10 | 151 55 | Jan/73 | 500  | <i>Onthophagus gazella</i>       | T  | Found Nov/76     |
| 40274 | Rosseden          | 20 km NE  | Beaulesert            | SG56/15 | 27 53 | 153 11 |        |      | <i>Onthophagus gazella</i>       |    | Found Mar/81     |
| 40274 | Rosseden          | 20 km NE  | Beaulesert            | SG56/15 | 27 53 | 153 11 | Sep/75 | 500  | <i>Sisyphus spinipes</i>         |    | Found Mar/81     |
| 40274 | Rosseden          | 20 km NE  | Beaulesert            | SG56/15 | 27 53 | 153 11 | Dec/78 | 2300 | <i>Onthophagus nigrivertris</i>  |    | Found Mar/81     |
| 40274 | Rosseden          | 20 km NE  | Beaulesert            | SG56/15 | 27 53 | 153 11 |        |      | <i>Onthophagus nigrivertris</i>  |    | Found Mar/81     |
| 40274 | Rosseden          | 20 km NE  | Beaulesert            | SG56/15 | 27 53 | 153 11 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/81     |
| 40274 | Rosseden          | 20 km NE  | Beaulesert            | SG56/15 | 27 53 | 153 11 | Dec/78 | 320  | <i>Onthophagus binodis</i>       | WR | Not found Mar/81 |
| 40274 | Rosseden          | 20 km NE  | Beaulesert            | SG56/15 | 27 53 | 153 11 |        |      | <i>Onitis alexis</i>             | C  | Found Mar/81     |
| 40274 | Rosseden          | 20 km NE  | Beaulesert            | SG56/15 | 27 53 | 153 11 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 40274 | Rosseden          | 20 km NE  | Beaulesert            | SG56/15 | 27 53 | 153 11 |        |      | <i>Hister nomas</i>              |    | Found Nov/76     |
| 40277 | Sarabah           | 21 km S   | Beaulesert            | SH56/3  | 28 6  | 153 2  |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/81     |
| 40277 | Sarabah           | 21 km S   | Beaulesert            | SH56/3  | 28 6  | 153 2  | Dec/75 | 500  | <i>Onitis vanderkellerni</i>     |    | Not found Mar/82 |
| 40277 | Sarabah           | 21 km S   | Beaulesert            | SH56/3  | 28 6  | 153 2  |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 40277 | Sarabah           | 21 km S   | Beaulesert            | SH56/3  | 28 6  | 153 2  |        |      | <i>Onitis alexis</i>             | C  | Found Mar/81     |
| 40277 | Sarabah           | 21 km S   | Beaulesert            | SH56/3  | 28 6  | 153 2  |        |      | <i>Hister nomas</i>              |    | Found Mar/81     |
| 40547 | Coomera (Upper)   | 35 km ENE | Beaulesert            | SG56/15 | 27 52 | 153 17 |        |      | <i>Onthophagus gazella</i>       | C  | Found Dec/78     |

| Index | Property        | Location  | Town       | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|-----------------|-----------|------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 40548 | Tamborine North | 20 km ENE | Beaudesert | SG56/15 | 27 56 | 153 5  |        |      | <i>Hister nomas</i>              |    | Found Dec/78     |
| 40548 | Tamborine North | 20 km ENE | Beaudesert | SG56/15 | 27 56 | 153 5  |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/78     |
| 40549 | Coomera (Upper) | 35 km ENE | Beaudesert | SG56/15 | 27 52 | 153 17 |        |      | <i>Hister nomas</i>              |    | Found Dec/78     |
| 40549 | Coomera (Upper) | 35 km ENE | Beaudesert | SG56/15 | 27 52 | 153 17 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Dec/78     |
| 40608 | Recovery Area   | 13 km NE  | Beaudesert | SG56/15 | 27 57 | 153 06 |        |      | <i>Onthophagus gazella</i>       |    | Found Mar/81     |
| 40608 | Recovery Area   | 13 km NE  | Beaudesert | SG56/15 | 27 57 | 153 06 |        |      | <i>Sisyphus spinipes</i>         |    | Found Mar/81     |
| 40608 | Recovery Area   | 13 km NE  | Beaudesert | SG56/15 | 27 57 | 153 06 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 40608 | Recovery Area   | 13 km NE  | Beaudesert | SG56/15 | 27 57 | 153 06 |        |      | <i>Onitis alexis</i>             | C  | Found Mar/81     |
| 40702 | Recovery Area   | 22 km W   | Beaudesert | SG56/14 | 27 56 | 152 49 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/82     |
| 40702 | Recovery Area   | 22 km W   | Beaudesert | SG56/14 | 27 56 | 152 49 |        |      | <i>Sisyphus spinipes</i>         |    | Found Mar/82     |
| 40702 | Recovery Area   | 22 km W   | Beaudesert | SH56/14 | 27 56 | 152 49 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Mar/82     |
| 40703 | Recovery Area   | 12 km S   | Beaudesert | SH56/2  | 28 2  | 152 57 |        |      | <i>Onthophagus gazella</i>       |    | Found Mar/82     |
| 40703 | Recovery Area   | 12 km S   | Beaudesert | SH56/2  | 28 2  | 152 57 |        |      | <i>Onitis alexis</i>             | C  | Found Mar/82     |
| 40703 | Recovery Area   | 12 km S   | Beaudesert | SH56/2  | 28 2  | 152 57 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82     |
| 30013 | Wooragee        | 10 km NE  | Beechworth | SJ55/2  | 36 18 | 146 43 | Nov/72 | 306  | <i>Onitis alexis</i>             | C  | Not found Nov/80 |
| 30031 | Rostulla        | 9 km W    | Beechworth | SJ55/2  | 36 21 | 146 39 | Aug/79 | 700  | <i>Onthophagus taurus</i>        | 4  | Not found Nov/80 |
| 30031 | Rostulla        | 9 km W    | Beechworth | SJ55/2  | 36 21 | 146 39 | Aug/79 | 1000 | <i>Onthophagus taurus</i>        | 4  | Not found Nov/80 |
| 30031 | Rostulla        | 9 km W    | Beechworth | SJ55/2  | 36 21 | 146 39 | Apr/79 | 515  | <i>Onthophagus taurus</i>        | 4  | Not found Nov/80 |
| 30031 | Rostulla        | 9 km W    | Beechworth | SJ55/2  | 36 21 | 146 39 | Nov/79 | 1100 | <i>Euoniticellus fulvus</i>      | 5  | Not found Nov/80 |
| 30031 | Rostulla        | 9 km W    | Beechworth | SJ55/2  | 36 21 | 146 39 | Nov/79 | 704  | <i>Euoniticellus fulvus</i>      | 5  | Not found Nov/80 |
| 20066 | Stockridge P.C. | 20 km N   | Bega       | SI55/4  | 36 32 | 149 48 | Mar/74 | 500  | <i>Onthophagus gazella</i>       | C  | Not found Nov/80 |
| 20066 | Stockridge P.C. | 20 km N   | Bega       | SI55/4  | 36 32 | 149 48 | Mar/74 | 471  | <i>Hister nomas</i>              |    | Not found Nov/80 |
| 20066 | Stockridge P.C. | 20 km N   | Bega       | SI55/4  | 36 32 | 149 48 | Feb/73 | 500  | <i>Euoniticellus africanus</i>   |    | Not found Nov/80 |
| 20261 | Parkvale        | 3 km N    | Bega       | SI55/4  | 36 38 | 149 51 | Mar/70 | 500  | <i>Hister nomas</i>              |    | Not found Nov/80 |
| 20680 | Claremont       | 15 km W   | Bega       | SI55/4  | 36 29 | 149 46 | Oct/81 | 600  | <i>Onthophagus nigriventris</i>  |    | Not found Nov/80 |
| 20837 | Kameruka        | 22 km SW  | Bega       | SI55/04 | 36 42 | 149 45 | Jan/81 | 2000 | <i>Onitis alexis</i>             | C  | Not found Nov/80 |
| 20838 | Bellvue Farm    | 25 km ESE | Bega       | SI55/04 | 36 42 | 150 00 | Jan/81 | 1000 | <i>Onitis alexis</i>             | C  | Not found Nov/80 |
| 20839 | Morans Crossing | 25 km E   | Bega       | SI55/04 | 36 37 | 150 03 | Jan/81 | 2000 | <i>Onitis alexis</i>             | C  | Not found Nov/80 |
| 20840 | Bemboka Road TO | 10 km N   | Bega       | SI55/04 | 36 37 | 149 51 | Jan/81 | 1000 | <i>Onitis alexis</i>             | C  | Not found Nov/80 |
| 20841 | Township        |           | Bega       | SI55/04 | 36 37 | 149 51 | Jan/81 | 2000 | <i>Onitis alexis</i>             | C  | Not found Nov/80 |
| 20842 | Double Creek    | 16 km N   | Bega       | SI55/04 | 36 29 | 149 51 | Jan/81 | 2000 | <i>Onitis alexis</i>             | C  | Not found Nov/80 |
| 20843 | Brogo River     | 22 km N   | Bega       | SI55/04 | 36 26 | 149 51 | Jan/81 | 2000 | <i>Onitis alexis</i>             | C  | Not found Nov/80 |
| 20118 | Misty Valley    | 13 km N   | Bellbrook  | SH56/10 | 30 43 | 152 30 | Feb/74 | 500  | <i>Onitis alexis</i>             | C  | Found Mar/81     |
| 20118 | Misty Valley    | 13 km N   | Bellbrook  | SH56/10 | 30 43 | 152 30 | Feb/74 | 500  | <i>Onthophagus gazella</i>       |    | Not found Mar/81 |
| 20118 | Misty Valley    | 13 km N   | Bellbrook  | SH56/10 | 30 43 | 152 30 | Feb/74 | 500  | <i>Euoniticellus africanus</i>   |    | Not found Mar/81 |
| 20118 | Misty Valley    | 13 km N   | Bellbrook  | SH56/10 | 30 43 | 152 30 | Feb/74 | 500  | <i>Euoniticellus intermedius</i> | C  | Found Mar/81     |
| 20133 | Kikuyu          | 25 km WSW | Bellingen  | SH56/10 | 30 30 | 152 45 | Apr/74 | 500  | <i>Onitis alexis</i>             | C  | Found Mar/81     |
| 20266 | Rosedale        | 2 km E    | Bellingen  | SH56/10 | 30 28 | 152 55 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/81     |
| 20266 | Rosedale        | 2 km E    | Bellingen  | SH56/10 | 30 28 | 152 55 | Nov/70 | 250  | <i>Hister nomas</i>              |    | Found Feb/75     |
| 20266 | Rosedale        | 2 km E    | Bellingen  | SH56/10 | 30 28 | 152 55 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |

|       |                   |           |                 |         |       |        |                                  |    |                  |
|-------|-------------------|-----------|-----------------|---------|-------|--------|----------------------------------|----|------------------|
| 20421 | Recovery Area     | 5 km W    | Bellingen       | SH56/10 | 30 27 | 152 51 | <i>Hister nomas</i>              |    | Found Dec/76     |
| 20422 | Kalang            | 22 km W   | Bellingen       | SH56/10 | 30 27 | 152 49 | <i>Hister nomas</i>              |    | Found Dec/76     |
| 20729 | Bowraville Road   | 16 km S   | Bellingen       | SH56/10 | 30 34 | 152 52 | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20729 | Bowraville Road   | 16 km S   | Bellingen       | SH56/10 | 30 34 | 152 52 | <i>Hister nomas</i>              |    | Found Feb/82     |
| 80155 | Tablelands Hwy    | 40 km N   | Berkley H'way   | SE53/15 | 19 45 | 136 0  | <i>Onthophagus gazella</i>       | GP | Found Aug/76     |
| 80155 | Tablelands Hwy    | 40 km N   | Berkley Highway | SE53/15 | 19 45 | 136 0  | <i>Euoniticellus intermedius</i> |    | Found Aug/76     |
| 20076 | Haydon (Mr J.A.)  | 10 km W   | Bermagui        | SI56/16 | 36 25 | 149 59 | <i>Onthophagus gazella</i>       | C  | Not found        |
| 20246 | Tomar             | 5 km S    | Berrigan        | SI55/14 | 35 43 | 145 46 | <i>Onthophagus binodis</i>       | WR | Not found        |
| 20044 | Cherrytree Hill   | 8 km SW   | Berrima         | SI56/9  | 34 32 | 150 16 | <i>Onthophagus binodis</i>       | SR |                  |
| 20044 | Cherrytree Hill   | 8 km SW   | Berrima         | SI56/9  | 34 32 | 150 16 | <i>Onthophagus taurus</i>        | 4  |                  |
| 20812 | Roadside          | 2 km N    | Berry           | SI56/09 | 34 45 | 150 43 | <i>Onitis alexis</i>             | C  |                  |
| 20813 | Roadside          | 5 km W    | Berry           | SI56/09 | 34 46 | 150 41 | <i>Onitis alexis</i>             | C  |                  |
| 20814 | Roadside          | 10 km NW  | Berry           | SI56/09 | 34 44 | 150 41 | <i>Onitis alexis</i>             | C  |                  |
| 20815 | Roadside          | 15 km NW  | Berry           | SI56/09 | 34 43 | 150 40 | <i>Onitis alexis</i>             | C  |                  |
| 20826 | Roadside          | 4 km E    | Berry           | SI56/09 | 34 46 | 150 45 | <i>Onitis alexis</i>             | C  |                  |
| 20827 | Roadside          | 5 km SE   | Berry           | SI56/09 | 34 48 | 150 46 | <i>Onitis alexis</i>             | C  |                  |
| 20828 | Roadside          | 4 km S    | Berry           | SI56/09 | 34 48 | 150 43 | <i>Onitis alexis</i>             | C  |                  |
| 60250 | Avondale Res. Stn | 6 km W    | Beverley        | SI50/2  | 32 07 | 116 53 | <i>Onthophagus taurus</i>        | 3  | Not found Feb/81 |
| 60250 | Avondale Res. Stn | 6 km W    | Beverley        | SI50/2  | 32 07 | 116 53 | <i>Euoniticellus pallipes</i>    | 2  | Found Feb/81     |
| 60275 | Romilly Hills     | 40 km SW  | Beverley        | SI50/2  | 32 19 | 116 37 | <i>Onthophagus cameloides</i>    | 1  |                  |
| 60275 | Romilly Hills     | 40 km SW  | Beverley        | SI50/2  | 32 19 | 116 37 | <i>Onthophagus cameloides</i>    | 1  |                  |
| 60275 | Romilly Hills     | 40 km SW  | Beverley        | SI50/2  | 32 19 | 116 37 | <i>Onthophagus cameloides</i>    | 1  |                  |
| 60275 | Romilly Hills     | 40 km SW  | Beverley        | SI50/2  | 32 19 | 116 37 | <i>Euoniticellus pallipes</i>    | 2  | Found Feb/81     |
| 60281 | Recovery Area     | 39 km SW  | Beverley        | SI50/02 | 32 18 | 116 41 | <i>Euoniticellus pallipes</i>    | 2  | Found Feb/81     |
| 60282 | Recovery Area     | 27 km SW  | Beverley        | SI50/02 | 32 16 | 116 4  | <i>Euoniticellus pallipes</i>    | 2  | Found Feb/81     |
| 60283 | Recovery Area     | 1 km S    | Beverley        | SI50/02 | 32 08 | 116 56 | <i>Euoniticellus pallipes</i>    | 2  | Found Feb/81     |
| 60300 | Mailrock          | 20 km SW  | Beverley        | SI50/02 | 32 13 | 116 48 | <i>Onitis aegulus</i>            | WR |                  |
| 60300 | Mailrock          | 20 km SW  | Beverley        | SI50/02 | 32 13 | 116 48 | <i>Onitis aegulus</i>            | WR |                  |
| 40167 | Highstone         | 9 km SE   | Biddenden       | SG56/6  | 25 34 | 152 8  | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 40025 | Harrawood         | 6 km N    | Bigginden       | SG56/6  | 25 28 | 152 3  | <i>Onthophagus gazella</i>       | T  | Found Nov/76     |
| 40025 | Harrawood         | 6 km N    | Bigginden       | SG56/6  | 25 28 | 152 3  | <i>Euoniticellus intermedius</i> | C  |                  |
| 40167 | Highstone         | 9 km SE   | Bigginden       | SG56/6  | 25 34 | 152 8  | <i>Onthophagus gazella</i>       |    | Found Jun/75     |
| 40478 | Mt Bluff          | 5 km SW   | Bigginden       | SG56/6  | 25 32 | 152 1  | <i>Euoniticellus intermedius</i> |    | Found Jan/76     |
| 40534 | Burnett River     | 16 km NW  | Bigginden       | SG56/6  | 25 28 | 151 57 | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 40615 | Isis Highway      | 20 km SW  | Bigginden       | SG56/06 | 25 35 | 151 57 | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 40615 | Isis Highway      | 20 km SW  | Bigginden       | SG56/06 | 25 35 | 151 57 | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 40668 | Lyndale Stud      | 16 km N   | Bigginden       | SG56/6  | 25 22 | 152 4  | <i>Onitis westermanni</i>        | T  |                  |
| 40264 | La Terre Riente   | 44 km SSE | Biloela         | SG56/1  | 24 45 | 150 39 | <i>Onthophagus gazella</i>       |    | Found May/78     |
| 40282 | Greenfields       | 30 km NNW | Biloela         | SG56/1  | 24 5  | 150 27 | <i>Onthophagus gazella</i>       | T  | Found Oct/78     |
| 40282 | Greenfields       | 30 km NNW | Biloela         | SG56/1  | 24 5  | 150 27 | <i>Onitis viridulus</i>          |    | Found Oct/78     |
| 40282 | Greenfields       | 30 km NNW | Biloela         | SG56/1  | 24 5  | 150 27 | <i>Onitis viridulus</i>          |    | Found Oct/78     |
| 40282 | Greenfields       | 30 km NNW | Biloela         | SG56/1  | 24 5  | 150 27 | <i>Sisyphus infuscatus</i>       |    | Not found May/78 |

| Index | Property         | Location  | Town    | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|------------------|-----------|---------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 40282 | Greenfields      | 30 km NNW | Biloela | SG56/1  | 24 5  | 150 27 | Dec/82 | 230  | <i>Copris elphnor</i>            |    |                  |
| 40282 | Greenfields      | 30 km NNW | Biloela | SG56/1  | 24 5  | 150 27 | May/83 | 42   | <i>Copris elphnor</i>            |    | Found May/78     |
| 40282 | Greenfields      | 30 km NNW | Biloela | SG56/1  | 24 5  | 150 27 |        |      | <i>Euoniticellus intermedius</i> | 1  |                  |
| 40282 | Greenfields      | 30 km NNW | Biloela | SG56/1  | 24 5  | 150 27 | Feb/79 | 75   | <i>Copris elphnor</i>            | 1  |                  |
| 40282 | Greenfields      | 30 km NNW | Biloela | SG56/1  | 24 5  | 150 27 | Nov/78 | 558  | <i>Copris elphnor</i>            | 1  |                  |
| 40282 | Greenfields      | 30 km NNW | Biloela | SG56/1  | 24 5  | 150 27 | Oct/78 | 700  | <i>Copris elphnor</i>            | 1  |                  |
| 40282 | Greenfields      | 30 km NNW | Biloela | SG56/1  | 24 5  | 150 27 | Nov/78 | 500  | <i>Copris elphnor</i>            | 1  |                  |
| 40385 | Biloela Res. St. | km        | Biloela | SG56/1  | 24 24 | 150 31 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jun/75     |
| 40392 | Recovery Area    | 27 km W   | Biloela | SG56/1  | 24 24 | 150 18 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/76     |
| 40394 | Recovery Area    | 20 km NW  | Biloela | SG56/1  | 24 15 | 150 24 |        |      | <i>Onthophagus gazella</i>       | GP | Found Jun/75     |
| 40394 | Recovery Area    | 20 km NW  | Biloela | SG56/1  | 24 15 | 150 24 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jun/75     |
| 40395 | Biloela Res. St. | km        | Biloela | SG56/1  | 24 24 | 150 31 | Jan/71 | 1000 | <i>Onthophagus gazella</i>       | T  | Found Feb/75     |
| 40395 | Biloela Res. St. | km        | Biloela | SG56/1  | 24 24 | 150 31 |        |      | <i>Onthophagus gazella</i>       | GP | Found Jun/75     |
| 40395 | Biloela Res. St. | km        | Biloela | SG56/1  | 24 24 | 150 31 | Feb/80 | 4000 | <i>Sisyphus spinipes</i>         |    | Not found Jan/82 |
| 40395 | Biloela Res. St. | km        | Biloela | SG56/1  | 24 24 | 150 31 |        |      | <i>Sisyphus spinipes</i>         |    | Found Jan/82     |
| 40395 | Biloela Res. St. | km        | Biloela | SG56/1  | 24 24 | 150 31 | Nov/79 | 1000 | <i>Liatongus militaris</i>       |    | Not found Jan/82 |
| 40396 | Recovery Area    | 31 km SE  | Biloela | SG56/1  | 24 35 | 150 41 |        |      | <i>Onthophagus gazella</i>       | GP | Found Jun/75     |
| 40397 | Recovery Area    | 51 km SE  | Biloela | SG56/1  | 24 41 | 150 47 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jun/75     |
| 40400 | Recovery Area    | 17 km W   | Biloela | SG56/1  | 24 26 | 150 23 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/76     |
| 40426 | Recovery Area    | 10 km NNW | Biloela | SG56/1  | 24 20 | 150 27 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/76     |
| 40652 | Recovery Area    | 43 km NW  | Biloela | SG56/01 | 25 08 | 150 20 |        |      | <i>Sisyphus spinipes</i>         |    | Found Feb/82     |
| 40652 | Recovery Area    | 43 km NW  | Biloela | SG56/01 | 24 08 | 150 20 |        |      | <i>Onthophagus gazella</i>       | T  | Found Feb/82     |
| 40652 | Recovery Area    | 43 km NW  | Biloela | SG56/01 | 24 08 | 150 20 |        |      | <i>Sisyphus infuscatus</i>       |    | Found Feb/82     |
| 40652 | Recovery Area    | 43 km NW  | Biloela | SG56/01 | 24 08 | 150 20 |        |      | <i>Onthophagus gazella</i>       | GP | Found Feb/82     |
| 40652 | Recovery Area    | 43 km NW  | Biloela | SG56/01 | 24 08 | 150 20 |        |      | <i>Liatongus militaris</i>       |    | Found Feb.82     |
| 40652 | Recovery Area    | 43 km NW  | Biloela | SG56/01 | 24 08 | 150 20 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 40653 | Recovery Area    | 5 km W    | Biloela | SG56/01 | 24 25 | 150 29 |        |      | <i>Onthophagus gazella</i>       | T  | Found Feb/82     |
| 40653 | Recovery Area    | 5 km W    | Biloela | SG56/01 | 24 25 | 150 29 |        |      | <i>Onthophagus gazella</i>       | GP | Found Feb/82     |
| 40653 | Recovery Area    | 5 km W    | Biloela | SG56/01 | 24 25 | 150 29 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 60023 | Tanamerah        | 5 km W    | Bindoon | SH50/14 | 31 23 | 116 1  | Apr/73 | 500  | <i>Onthophagus gazella</i>       | C  | Not found Dec/81 |
| 60023 | Tanamerah        | 5 km W    | Bindoon | SH50/14 | 31 23 | 116 1  |        |      | <i>Onthophagus binodis</i>       | WR | Found Dec/81     |
| 60023 | Tanamerah        | 5 km W    | Bindoon | SH50/14 | 31 23 | 116 1  |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/81     |
| 60299 | Hillview         | 5 km SSE  | Bindoon | SH50/14 | 31 26 | 116 08 | Oct/81 | 1000 | <i>Euoniticellus fulvus</i>      | 1  |                  |
| 60299 | Hillview         | 5 km SSE  | Bindoon | SH50/14 | 31 26 | 116 08 | Sep/81 | 800  | <i>Euoniticellus fulvus</i>      | 1  |                  |
| 60320 | Recovery Area    | 5 km S    | Bindoon | SH50/14 | 31 25 | 116 05 |        |      | <i>Onthophagus binodis</i>       | WR | Found Jan/82     |
| 60320 | Recovery Area    | 5 km S    | Bindoon | SH50/14 | 31 25 | 116 05 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jan/82     |
| 20059 | Beaufort         | 6 km W    | Bingara | SH56/5  | 29 52 | 150 31 | Jan/73 | 300  | <i>Onitis alexis</i>             | C  | Found Feb/77     |
| 20059 | Beaufort         | 6 km W    | Bingara | SH56/5  | 29 52 | 150 31 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/77     |
| 20356 | (Road Release)   | km        | Bingara | SH56/5  | 29 52 | 150 34 | Feb/77 | 3000 | <i>Onthophagus gazella</i>       | C  |                  |
| 20492 | Recovery Area    | 3 km SW   | Bingara | SH56/5  | 29 53 | 150 32 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jan/77     |

|       |                  |           |                    |         |       |        |        |                                  |    |                  |
|-------|------------------|-----------|--------------------|---------|-------|--------|--------|----------------------------------|----|------------------|
| 20492 | Recovery Area    | 3 km SW   | Bingara            | SH56/5  | 29 53 | 150 32 |        | <i>Onitis alexis</i>             | C  | Found Jan/77     |
| 20634 | Recovery Area    | 5 km NE   | Black Swamp        | SH56/02 | 28 58 | 152 10 |        | <i>Onthophagus gazella</i>       | C  | Found Feb/81     |
| 20634 | Recovery Area    | 5 km NE   | Black Swamp        | SH56/02 | 28 58 | 152 10 |        | <i>Euoniticellus intermedius</i> | C  | Found Feb/81     |
| 40005 | Woodbine         | 10 km N   | Blackall           | SG55/1  | 24 22 | 145 27 | Dec/71 | 563                              |    | Found Feb/75     |
| 40344 | Recovery Area    | 15 km SE  | Blackall           | SG55/2  | 24 28 | 145 35 |        | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 40345 | Recovery Area    | 40 km SE  | Blackall           | SG55/2  | 24 32 | 145 47 |        | <i>Euoniticellus intermedius</i> | GP | Found Aug/74     |
| 40559 | Bride's Creek    | 68 km S   | Blackall           | SG55/5  | 25 02 | 145 25 |        | <i>Onthophagus gazella</i>       | T  | Found Mar/78     |
| 40559 | Bride's Creek    | 68 km S   | Blackall           | SG55/5  | 25 02 | 145 25 |        | <i>Onitis alexis</i>             | T  | Not found Mar/78 |
| 40559 | Bride's Creek    | 68 km S   | Blackall           | SG55/5  | 25 02 | 145 25 |        | <i>Euoniticellus intermedius</i> | T  | Found Mar/78     |
| 40711 | Recovery Area    | 5 km SW   | Blackall           | SG55/02 | 24 27 | 145 30 |        | <i>Onthophagus gazella</i>       | T  | Found Apr/82     |
| 40711 | Recovery Area    | 5 km Se   | Blackall           | SG55/02 | 24 27 | 145 30 |        | <i>Onitis alexis</i>             | T  | Found Apr/82     |
| 40711 | Recovery Area    | 5 km SE   | Blackall           | SG55/02 | 24 27 | 145 30 |        | <i>Euoniticellus intermedius</i> | C  | Found Apr/82     |
| 20039 | Euroka           | 5 km SE   | Blackheath         | SI56/5  | 33 40 | 150 12 | Oct/72 | 300                              |    | Not found        |
| 20110 | Buchanan (Mr T.) | km        | Blacktown          | SI56/5  | 33 46 | 150 55 | Feb/74 | 410                              |    | Not found Feb/80 |
| 20110 | Buchanan (Mr I.) | km        | Blacktown          | SI56/5  | 33 46 | 150 55 | Feb/74 | 653                              |    | Found Feb/77     |
| 20110 | Buchanan (Mr T.) | km        | Blacktown          | SI56/5  | 33 46 | 150 55 |        |                                  | WR | Found Nov/82     |
| 20110 | Buchanan (Mr T.) | km        | Blacktown          | SI56/5  | 33 46 | 150 55 | Feb/74 | 500                              |    | Not found Feb/80 |
| 20110 | Buchanan (Mr T.) | km        | Blacktown          | SI56/5  | 33 46 | 150 55 |        |                                  | C  | Found Feb/77     |
| 40083 | (Road Release)   | km        | Blacktown          | SF55/16 | 23 36 | 148 54 | Oct/73 | 500                              |    | Found Feb/82     |
| 40083 | (Road Release)   | km        | Blackwater         | SF55/16 | 23 36 | 148 54 |        |                                  | T  | Found Jan/73     |
| 40083 | (Road Release)   | km        | Blackwater         | SG55/16 | 23 36 | 148 54 |        |                                  | T  | Found Feb/82     |
| 40223 | Rhudanna         | 35 km WSW | Blackwater         | SF55/16 | 23 42 | 148 34 | Jan/71 | 1000                             |    | Found Feb/75     |
| 40297 | Bluff            | 20 km E   | Blackwater         | SF55/16 | 23 35 | 149 4  |        |                                  | T  | Found Jan/73     |
| 40297 | Bluff            | 20 km E   | Blackwater         | SF55/16 | 23 35 | 149 4  |        |                                  | T  | Found Jun/75     |
| 40082 | (Road Release)   | 35 km W   | Blackwater (Comet) | SF55/16 | 23 36 | 148 30 | Oct/73 | 500                              |    | Not found        |
| 20123 | Elliston         | 5 km W    | Blighty            | SI55/13 | 35 37 | 145 16 | Mar/74 | 500                              |    |                  |
| 20803 | Tuross River     | 4 km NE   | Bodalla            | SJ55/04 | 36 04 | 150 03 | Dec/80 | 1500                             |    |                  |
| 20803 | Tuross River     | 4 km NE   | Bodalla            | SJ55/04 | 36 04 | 150 03 | Jan/81 | 1000                             |    |                  |
| 20804 | Widget           | 5 km SW   | Bodalla            | SJ55/04 | 36 07 | 149 55 | Dec/80 | 3000                             |    |                  |
| 20805 | Old Bodalla      | 3 km W    | Bodalla            | SJ55/04 | 36 07 | 150 00 | Dec/80 | 1500                             |    |                  |
| 20806 | Roadside         | 2 km S    | Bodalla            | SJ55/04 | 36 07 | 150 03 | Dec/80 | 3000                             |    |                  |
| 20807 | Eurobodalla      | 3 km SW   | Bodalla            | SJ55/04 | 36 08 | 149 48 | Dec/80 | 1500                             |    |                  |
| 20564 | Recovery Area    | 5 km S    | Bogan Gate         | SI55/07 | 33 10 | 147 48 |        |                                  | C  | Found Nov/79     |
| 20555 | Recovery Area    | 5 km S    | Boggabilla         | SH56/1  | 28 39 | 150 22 |        |                                  | C  | Found Mar/82     |
| 20555 | Recovery Area    | 5 km S    | Boggabilla         | SH56/1  | 28 39 | 150 22 |        |                                  | C  | Found Jun/79     |
| 20706 | Recovery Area    | 2 km N    | Boggabri           | SH56/9  | 30 41 | 150 02 |        |                                  | C  | Found Jan/82     |
| 20706 | Recovery Area    | 2 km N    | Boggabri           | SH56/9  | 30 41 | 150 02 |        |                                  | C  | Found Jan/82     |
| 40574 | Recovery Area    | 5 km W    | Bollon             | SH55/3  | 28 02 | 147 24 |        |                                  | C  | Found Jun/79     |
| 40672 | Recovery Area    | 4 km E    | Bollon             | SH55/3  | 28 2  | 147 30 |        |                                  | C  | Found Mar/82     |
| 40672 | Recovery Area    | 4 km E    | Bollon             | SH55/3  | 28 2  | 147 30 |        |                                  | C  | Found Mar/82     |
| 40672 | Recovery Area    | 4 km E    | Bollon             | SH55/3  | 28 2  | 147 30 |        |                                  | C  | Found Mar/82     |
| 20829 | Roadside         | 2 km N    | Bomaderry          | SI56/09 | 34 49 | 150 37 | Dec/80 | 1000                             |    | Found Mar/82     |

| Index | Property           | Location  | Town        | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|--------------------|-----------|-------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20075 | Bukalong Stn       | 16 km NNW | Bombala     | SJ55/4  | 36 48 | 149 13 | Feb/73 | 500  | <i>Onthophagus gazella</i>       | C  | Not found        |
| 20075 | Bukalong Stn       | 16 km NNW | Bombala     | SJ55/4  | 36 48 | 149 13 | Feb/73 | 300  | <i>Onitis alexis</i>             | C  | Not found        |
| 20075 | Bukalong Stn.      | 16 km NNW | Bombala     | SJ55/4  | 36 48 | 149 13 | Feb/73 | 500  | <i>Euoniticellus africanus</i>   |    | Not found        |
| 20098 | Woorandara         | 32 km W   | Booligal    | SJ55/5  | 33 53 | 144 40 | Nov/73 | 550  | <i>Euoniticellus intermedius</i> | SR | Not found Mar/81 |
| 40016 | Fassifern Hmst.    | 6 km WNW  | Boonah      | SG56/14 | 27 57 | 152 38 | Aug/72 | 533  | <i>Onthophagus binodis</i>       | GP | Found Nov/76     |
| 40016 | Fassifern Hmst.    | 6 km WNW  | Boonah      | SG56/14 | 27 57 | 152 38 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/81     |
| 40278 | Jayel Stud         | 24 km W   | Boonah      | SG56/14 | 27 58 | 152 26 | Dec/75 | 500  | <i>Onitis vanderkelleni</i>      | C  | Not found Mar/82 |
| 40278 | Jayel Stud         | 24 km W   | Boonah      | SG56/14 | 27 58 | 152 26 |        |      | <i>Onitis alexis</i>             | C  | Found Mar/81     |
| 40278 | Jayel Stud         | 24 km W   | Boonah      | SG56/14 | 27 58 | 152 26 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 40278 | Jayel Stud         | 25 km W   | Boonah      | SG56/14 | 27 58 | 152 26 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/78     |
| 40547 | Recovery Area      | 25 km SW  | Boonah      | SH56/2  | 28 2  | 152 30 |        |      | <i>Onthophagus gazella</i>       | C  | Found Dec/78     |
| 40547 | Recovery Area      | 25 km SW  | Boonah      | SH56/2  | 28 2  | 152 30 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/82     |
| 40701 | Recovery Area      | 2 km W    | Boonah      | SG56/14 | 27 58 | 152 39 |        |      | <i>Sisyphus spinipes</i>         |    | Found Mar/82     |
| 40701 | Recovery Area      | 2 km W    | Boonah      | SG56/14 | 27 58 | 152 39 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82     |
| 40701 | Recovery Area      | 2 km W    | Boonah      | SG56/14 | 27 58 | 152 39 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/82     |
| 20165 | Clayton (Mr B.)    | km        | Boorowa     | SJ55/12 | 34 27 | 148 45 | Dec/74 | 500  | <i>Euoniticellus intermedius</i> | C  | Found Mar/82     |
| 50006 | Strathfield        | 8 km SE   | Bordertown  | SJ54/2  | 36 20 | 140 48 | Sep/72 | 518  | <i>Onthophagus gazella</i>       | C  |                  |
| 50070 | Woodlee            | 15 km SSW | Bordertown  | SJ54/02 | 36 27 | 140 45 | Feb/81 | 1500 | <i>Onthophagus binodis</i>       | WR |                  |
| 50071 | Greenacres         | 6 km W    | Bordertown  | SJ54/02 | 36 18 | 140 40 | Feb/81 | 2000 | <i>Onthophagus binodis</i>       | WR |                  |
| 50072 | Namoonna           | 8 km W    | Bordertown  | SJ54/02 | 36 17 | 140 41 | Feb/81 | 2000 | <i>Onthophagus binodis</i>       | WR | Found Feb/84     |
| 50073 | Keller (K.S. & Co) | 22 km SSW | Bordertown  | SJ54/02 | 36 28 | 140 46 | Feb/81 | 2000 | <i>Onthophagus binodis</i>       | WR | Found Feb/84     |
| 80015 | McArthur River     | 80 km SW  | Borrooloola | SE53/3  | 16 40 | 135 51 | Sep/73 | 200  | <i>Onthophagus gazella</i>       | GP | Found Oct/80     |
| 80015 | McArthur River     | 80 km SW  | Borrooloola | SE53/3  | 16 40 | 135 51 |        |      | <i>Onitis alexis</i>             | T  | Found Aug/82     |
| 80015 | McArthur River     | 80 km SW  | Borrooloola | SE53/3  | 16 40 | 135 51 | Aug/72 | 300  | <i>Hister calidus</i>            |    |                  |
| 80015 | McArthur River     | 80 km SW  | Borrooloola | SE53/3  | 16 40 | 135 51 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Aug/82     |
| 80015 | McArthur River     | 80 km SW  | Borrooloola | SE53/3  | 16 40 | 135 51 | Mar/70 | 120  | <i>Liatongus militaris</i>       |    |                  |
| 80015 | McArthur River     | 80 km SW  | Borrooloola | SE53/3  | 16 40 | 135 51 | Mar/70 | 1000 | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 80058 | Spring Creek       | 55 km SSE | Borrooloola | SE53/4  | 16 34 | 136 30 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 80067 | Vanderlin Island   | 86 km NE  | Borrooloola | SD53/16 | 15 45 | 137 0  | May/74 | 180  | <i>Sisyphus spinipes</i>         | T  |                  |
| 80067 | Vanderlin Isl.     | 86 km NE  | Borrooloola | SD53/16 | 15 45 | 137 0  | May/74 | 175  | <i>Onitis alexis</i>             | T  |                  |
| 80067 | Vanderlin Isl.     | 86 km NE  | Borrooloola | SD53/16 | 15 45 | 137 0  | May/74 | 500  | <i>Onthophagus gazella</i>       | GP |                  |
| 80067 | Vanderlin Isl.     | 86 km NE  | Borrooloola | SD53/16 | 15 45 | 137 0  | May/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 80094 | Recovery Area      | km        | Borrooloola | SE53/3  | 16 4  | 136 18 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 80095 | Recovery Area      | 32 km S   | Borrooloola | SE53/3  | 16 8  | 136 4  |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 80096 | Recovery Area      | 64 km S   | Borrooloola | SE53/3  | 16 26 | 136 3  |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 80096 | Recovery Area      | 64 km S   | Borrooloola | SE53/3  | 16 26 | 136 3  |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/82     |
| 80097 | Recovery Area      | 96 km S   | Borrooloola | SE53/7  | 16 36 | 135 50 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 80112 | Calvert Hills      | 170 km SE | Borrooloola | SE53/8  | 17 14 | 137 20 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jun/73     |
| 80113 | Robinson Cross.    | 85 km ESE | Borrooloola | SE53/4  | 16 45 | 137 0  |        |      | <i>Onthophagus gazella</i>       | T  | Found Jun/73     |
| 80114 | Bing Bong          | 50 km N   | Borrooloola | SD53/15 | 15 37 | 135 21 | Apr/73 | 300  | <i>Onthophagus gazella</i>       | T  | Found Jun/73     |

|       |                 |            |             |         |       |        |                                  |    |              |
|-------|-----------------|------------|-------------|---------|-------|--------|----------------------------------|----|--------------|
| 80118 | Top Crossing    | 100 km SW  | Borrooloola | SE53/3  | 16 34 | 135 41 | <i>Onthophagus gazella</i>       | GP | Found Aug/76 |
| 80118 | Top Crossing    | 100 km SW  | Borrooloola | SE53/3  | 16 34 | 135 41 | <i>Euoniticellus intermedius</i> | GP | Found Aug/76 |
| 80119 | Bessie Springs  | 95 km Sw   | Borrooloola | SE53/3  | 16 40 | 135 51 | <i>Onthophagus gazella</i>       | GP | Found Aug/76 |
| 80120 | Mimmits         | 40 km SSW  | Borrooloola | SE53/3  | 16 25 | 136 8  | <i>Onthophagus gazella</i>       | GP | Found Aug/76 |
| 80120 | Mimmits         | 40 km SSW  | Borrooloola | SE53/3  | 16 25 | 136 8  | <i>Euoniticellus intermedius</i> | GP | Found Aug/76 |
| 80121 | Tonys Site      | 23 km SW   | Borrooloola | SE53/3  | 16 10 | 136 6  | <i>Onthophagus gazella</i>       | GP | Found Aug/76 |
| 80121 | Tonys Site      | 23 km SW   | Borrooloola | SE53/3  | 16 10 | 136 6  | <i>Euoniticellus intermedius</i> | GP | Found Aug/76 |
| 80122 | Goose Lagoon    | 10 km SSW  | Borrooloola | SE53/3  | 16 9  | 136 15 | <i>Onthophagus gazella</i>       | GP | Found Aug/76 |
| 80122 | Goose Lagoon    | 10 km SSW  | Borrooloola | SE53/3  | 16 9  | 136 15 | <i>Euoniticellus intermedius</i> | GP | Found Aug/76 |
| 80123 | Batten Point    | 35 km NE   | Borrooloola | SE53/16 | 16 00 | 136 17 | <i>Onthophagus gazella</i>       | GP | Found Aug/76 |
| 80124 | Burketown Cross | 2 km W     | Borrooloola | SE53/3  | 16 5  | 136 19 | <i>Onthophagus gazella</i>       | GP | Found Aug/76 |
| 80125 | Bukalara Plat.  | 40 km S    | Borrooloola | SE53/3  | 16 23 | 136 13 | <i>Onthophagus gazella</i>       | GP | Found Aug/76 |
| 80125 | Bukalara Plat.  | 40 km S    | Borrooloola | SE53/3  | 16 23 | 136 13 | <i>Euoniticellus intermedius</i> | GP | Found Aug/76 |
| 80143 | Cattle Creek    | 55 km SW   | Borrooloola | SE53/3  | 16 32 | 136 10 | <i>Onthophagus gazella</i>       | GP | Found Oct/75 |
| 80145 | Recovery Area   | 22 km WSW  | Borrooloola | SE53/3  | 16 8  | 136 6  | <i>Onthophagus gazella</i>       | GP | Found Nov/75 |
| 80147 | Recovery Area   | 33 km SW   | Borrooloola | SE53/3  | 16 16 | 136 5  | <i>Onthophagus gazella</i>       | GP | Found Nov/75 |
| 80148 | Surprise Creek  | 45 km SSW  | Borrooloola | SE53/3  | 16 25 | 136 5  | <i>Onthophagus gazella</i>       | GP | Found Nov/75 |
| 80149 | Recovery Area   | 12 km NNE  | Borrooloola | SD53/15 | 15 58 | 136 21 | <i>Onthophagus gazella</i>       | GP | Found Nov/75 |
| 80150 | Recovery Area   | 48 km SSW  | Borrooloola | SE53/3  | 16 27 | 136 5  | <i>Onthophagus gazella</i>       | GP | Found Nov/75 |
| 80151 | Recovery Area   | 2 km SSE   | Borrooloola | SE53/3  | 16 5  | 136 19 | <i>Onthophagus gazella</i>       | GP | Found Apr/76 |
| 80153 | Batten Creek    | 30 km W    | Borrooloola | SE53/3  | 16 10 | 136 3  | <i>Onthophagus gazella</i>       | GP | Found Apr/76 |
| 80203 | Well Creek      | 190 km S   | Borrooloola | SE53/7  | 17 46 | 136 23 | <i>Onthophagus gazella</i>       | T  | Found Apr/76 |
| 80224 | Broadmere       | 124 km WSW | Borrooloola | SD53/3  | 16 26 | 135 12 | <i>Onthophagus gazella</i>       | T  | Found Oct/80 |
| 80225 | Bahinia         | 87 km WSW  | Borrooloola | SE53/3  | 16 13 | 135 29 | <i>Onthophagus gazella</i>       | T  | Found Oct/80 |
| 80277 | Mallapunyah     | 125 km SW  | Borrooloola | SE53/3  | 16 58 | 135 49 | <i>Onititis atexis</i>           | T  | Found Aug/82 |
| 80277 | Mallapunyah     | 125 km SW  | Borrooloola | SE53/3  | 16 58 | 135 49 | <i>Onthophagus gazella</i>       | T  | Found Oct/80 |
| 80277 | Mallapunyah     | 125 km SW  | Borrooloola | SE53/3  | 16 58 | 135 49 | <i>Euoniticellus intermedius</i> | T  | Found Oct/80 |
| 80291 | Balbirini Stn   | 95 km SW   | Borrooloola | SE53/3  | 16 44 | 135 44 | <i>Onthophagus gazella</i>       | T  | Found Oct/80 |
| 20799 | Mogendoura Val. | 10 km NW   | Boruya      | SI56/13 | 35 51 | 150 02 | <i>Onititis atexis</i>           | C  | Found Oct/80 |
| 40102 | Springvale      | 90 km NE   | Boullia     | SF54/10 | 22 35 | 140 42 | <i>Euoniticellus intermedius</i> |    |              |
| 40103 | Marion Downs    | 60 km SSW  | Boullia     | SF54/14 | 23 22 | 139 39 | <i>Euoniticellus intermedius</i> |    |              |
| 40271 | Mudgeacca       | 17 km SSE  | Boullia     | SF54/14 | 23 4  | 139 58 | <i>Hister nomas</i>              |    |              |
| 40425 | Recovery Area   | 25 km NE   | Boullia     | SF54/10 | 22 46 | 140 3  | <i>Onthophagus gazella</i>       | GP | Found Apr/76 |
| 40431 | Stockport       | 25 km NW   | Boullia     | SF54/10 | 22 45 | 139 46 | <i>Onthophagus gazella</i>       | GP | Found Apr/76 |
| 40431 | Stockport       | 25 km NW   | Boullia     | SF54/10 | 22 45 | 139 46 | <i>Euoniticellus intermedius</i> | GP | Found Apr/76 |
| 40708 | Recovery Area   | 72 km NNW  | Boullia     | SF54/10 | 22 24 | 139 38 | <i>Onthophagus gazella</i>       | T  | Found Apr/82 |
| 40708 | Recovery Area   | 72 km NNW  | Boullia     | SF54/10 | 22 24 | 139 38 | <i>Euoniticellus intermedius</i> | T  | Found Apr/82 |
| 40709 | Hamilton Hotel  | 124 km NE  | Boullia     | SF54/10 | 22 46 | 140 36 | <i>Onthophagus gazella</i>       | T  | Found Apr/82 |
| 40709 | Hamilton Hotel  | 124 km NE  | Boullia     | SF54/10 | 22 46 | 140 36 | <i>Euoniticellus intermedius</i> | T  | Found Apr/82 |
| 20073 | Inkerman Downs  | 117 km NW  | Bourke      | SF54/18 | 22 46 | 140 36 | <i>Euoniticellus intermedius</i> |    |              |
| 20159 | Lodebar (Dairy) | 12 km NNE  | Bourke      | SH55/5  | 29 20 | 145 08 | <i>Euoniticellus intermedius</i> |    |              |
| 20159 | Lodebar (Dairy) | 12 km NNE  | Bourke      | SH55/10 | 30 0  | 146 00 | <i>Euoniticellus africanus</i>   |    |              |
| 20159 | Lodebar (Dairy) | 12 km NNE  | Bourke      | SH55/10 | 30 0  | 146 00 | <i>Euoniticellus intermedius</i> |    |              |

| Index | Property         | Location  | Town          | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|------------------|-----------|---------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20159 | Lodebar (Dairy)  | 12 km NNE | Bourke        | SH55/10 | 30 0  | 146 00 | May/75 | 500  | <i>Onitis alexis</i>             | C  |                  |
| 20159 | Lodebar (Dairy)  | 12 km NNE | Bourke        | SH55/10 | 30 0  | 146 00 | Jan/77 | 500  | <i>Onitis alexis</i>             | C  |                  |
| 20254 | Darling Meadows  | km        | Bourke        | SH55/10 | 30 4  | 145 46 | Apr/69 | 500  | <i>Hister nomas</i>              |    |                  |
| 20465 | Recovery Area    | 43 km W   | Bourke        | SH55/10 | 30 1  | 145 33 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/77     |
| 20466 | Recovery Area    | 94 km W   | Bourke        | SH55/9  | 30 1  | 145 3  |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/77     |
| 20557 | Recovery Area    | 24 km N   | Bourke        | SH55/6  | 29 53 | 145 56 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jun/79     |
| 40012 | Salisbury Plains | 27 km W   | Bowen         | SE55/15 | 19 59 | 148 0  | Apr/68 | 688  | <i>Onthophagus gazella</i>       | T  | Found Apr/75     |
| 40012 | Salisbury Plains | 27 km W   | Bowen         | SE55/15 | 19 59 | 148 0  | Apr/72 | 30   | <i>Sisyphus mirabilis</i>        |    | Not found        |
| 40012 | Salisbury Plains | 27 km W   | Bowen         | SE55/15 | 19 59 | 148 0  | May/72 | 500  | <i>Sisyphus spinipes</i>         |    | Not found        |
| 40012 | Salisbury Plains | 27 km W   | Bowen         | SE55/15 | 19 59 | 148 0  | May/72 | 23   | <i>Sisyphus mirabilis</i>        |    | Not found        |
| 40012 | Salisbury Plains | 27 km W   | Bowen         | SE55/15 | 19 59 | 148 0  | May/68 | 3046 | <i>Onthophagus gazella</i>       | T  | Found Apr/75     |
| 40012 | Salisbury Plains | 27 km W   | Bowen         | SE55/15 | 19 59 | 148 0  | Jan/71 | 118  | <i>Copris incertus</i>           |    | Not found        |
| 40012 | Salisbury Plains | 27 km W   | Bowen         | SE55/15 | 19 59 | 148 0  | May/68 | 438  | <i>Liatongus militaris</i>       |    | Found Apr/75     |
| 40012 | Salisbury Plains | 27 km W   | Bowen         | SE55/15 | 19 59 | 148 0  | Apr/68 | 32   | <i>Liatongus militaris</i>       |    | Found Apr/75     |
| 40012 | Salisbury Plains | 27 km W   | Bowen         | SE55/15 | 19 59 | 148 0  | Dec/71 | 275  | <i>Hister calidus</i>            |    | Not found        |
| 40012 | Salisbury Plains | 27 km W   | Bowen         | SE55/15 | 19 59 | 148 0  |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/75     |
| 40072 | (Road Release)   | 60 km WNW | Bowen         | SE55/15 | 19 56 | 147 55 | May/68 | 172  | <i>Hister caffer</i>             |    | Not found        |
| 40146 | Airport          | 2 km S    | Bowen         | SF55/3  | 20 1  | 148 13 | Oct/73 | 500  | <i>Onthophagus gazella</i>       | GP |                  |
| 40146 | Airport          | 2 km S    | Bowen         | SF55/3  | 20 1  | 148 13 | Apr/74 | 500  | <i>Onitis alexis</i>             | T  | Found Apr/75     |
| 40146 | Airport          | 2 km S    | Bowen         | SF55/3  | 20 1  | 148 13 |        |      | <i>Onthophagus gazella</i>       | GP | Found Apr/75     |
| 40146 | Airport          | 2 km S    | Bowen         | SF55/3  | 20 1  | 148 13 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/75     |
| 40146 | Airport          | 2 km S    | Bowen         | SF55/3  | 20 1  | 148 13 |        |      | <i>Liatongus militaris</i>       |    | Found Apr/75     |
| 40147 | (Road Release)   | 43 km SE  | Bowen         | SF55/3  | 20 12 | 148 23 |        |      | <i>Onthophagus gazella</i>       | GP | Found Apr/75     |
| 40147 | (Road Release)   | 43 km SE  | Bowen         | SF55/3  | 20 12 | 148 23 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/75     |
| 40147 | (Road Release)   | 43 km SE  | Bowen         | SF55/3  | 20 12 | 148 23 |        |      | <i>Liatongus militaris</i>       |    | Found Apr/75     |
| 40638 | Recovery Area    | 9 km NW   | Bowen         | SF55/3  | 20 12 | 148 23 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Apr/75     |
| 40638 | Recovery Area    | 9 km NW   | Bowen         | SF55/3  | 20 12 | 148 23 |        |      | <i>Onthophagus gazella</i>       | T  | Found Feb/82     |
| 40638 | Recovery Area    | 9 km NW   | Bowen         | SF55/3  | 20 01 | 148 08 |        |      | <i>Liatongus militaris</i>       |    | Found Feb/82     |
| 40640 | Recovery Area    | 12 km W   | Bowen         | SF55/3  | 20 01 | 148 08 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 40640 | Recovery Area    | 12 km W   | Bowen         | SF55/3  | 20 00 | 148 05 |        |      | <i>Onthophagus gazella</i>       | T  | Found Feb/82     |
| 40640 | Recovery Area    | 12 km W   | Bowen         | SF55/3  | 20 00 | 148 05 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 40640 | Recovery Area    | 12 km N   | Bowen         | SF55/3  | 20 00 | 148 05 |        |      | <i>Liatongus militaris</i>       |    | Found Feb/82     |
| 40641 | Recovery Area    | 32 km SW  | Bowen         | SF55/3  | 20 08 | 148 02 |        |      | <i>Liatongus militaris</i>       |    | Found Feb/82     |
| 40641 | Recovery Area    | 32 km SW  | Bowen         | SF55/3  | 20 00 | 148 02 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20347 | Rowena Park      | 8 km SE   | Bowral        | SI56/9  | 34 31 | 150 33 | Oct/76 | 900  | <i>Euoniticellus intermedius</i> | 1  | Not found Feb/78 |
| 20347 | Rowena Park      | 8 km SE   | Bowral        | SI56/9  | 34 31 | 150 33 | Dec/76 | 950  | <i>Onthophagus taurus</i>        | 1  | Not found Feb/78 |
| 20786 | Boothomba        | 4 km W    | Bowral        | SI56/9  | 34 28 | 150 25 | Jul/82 | 1000 | <i>Onthophagus taurus</i>        | 4  |                  |
| 20787 | Currawong        | 2 km W    | Bowral        | SI56/9  | 34 28 | 150 24 | Aug/82 | 1000 | <i>Onthophagus taurus</i>        | 4  |                  |
| 60259 | Mr L.D. Harris   | 3 km S    | Boyanup       | SI50/06 | 33 30 | 115 42 | Jan/80 | 2000 | <i>Euoniticellus pallipes</i>    | 3  |                  |
| 60100 | Norwood          | 3 km W    | Boyanup Brook | SI50/6  | 33 50 | 116 21 | Jan/77 | 500  | <i>Onthophagus binodis</i>       | WR |                  |
| 20011 | Coffey's Dairy   | km        | Braidwood     | SI55/16 | 35 25 | 149 48 | Oct/75 | 500  | <i>Onthophagus taurus</i>        | 1  | Not found Mar/78 |



|       |                 |           |            |         |       |        |        |      |                                  |    |                  |
|-------|-----------------|-----------|------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20011 | Coffey's Dairy  | km        | Braidwood  | S155/16 | 35 25 | 149 48 | Feb/72 | 238  | <i>Hister cruentus</i>           | 1  | Not found Mar/78 |
| 20011 | Coffey's Dairy  | km        | Braidwood  | S155/16 | 35 25 | 149 48 | Mar/78 | 300  | <i>Euoniticellus fulvus</i>      | C  |                  |
| 20030 | Warrambooka     | 13 km ESE | Braidwood  | S155/16 | 35 30 | 149 56 | Oct/72 | 645  | <i>Onthophagus gazella</i>       | 1  |                  |
| 20038 | Koolewong       | 8 km SSE  | Braidwood  | S155/16 | 35 29 | 149 48 | Oct/78 | 230  | <i>Euoniticellus fulvus</i>      | 1  |                  |
| 20038 | Koolewong       | 8 km SSE  | Braidwood  | S155/16 | 35 29 | 149 48 | Nov/78 | 680  | <i>Euoniticellus fulvus</i>      | 1  |                  |
| 20038 | Koolewong       | 8 km SSE  | Braidwood  | S155/16 | 35 29 | 149 48 | Mar/79 | 240  | <i>Euoniticellus fulvus</i>      | 1  |                  |
| 20038 | Koolewong       | 8 km SSE  | Braidwood  | S155/16 | 35 29 | 149 48 | Dec/78 | 423  | <i>Euoniticellus fulvus</i>      | 1  |                  |
| 20038 | Koolewong       | 8 km SSE  | Braidwood  | S155/16 | 35 29 | 149 48 | Dec/78 | 100  | <i>Euoniticellus fulvus</i>      | 1  |                  |
| 20038 | Koolewong       | 8 km SSE  | Braidwood  | S155/16 | 35 29 | 149 48 | Oct/72 | 300  | <i>Onitis alexis</i>             | C  | Not found Jan/78 |
| 20038 | Koolewong       | 8 km SSE  | Braidwood  | S155/16 | 35 29 | 149 48 | Feb/79 | 504  | <i>Euoniticellus fulvus</i>      | 1  |                  |
| 20038 | Koolewong       | 8 km SSE  | Braidwood  | S155/16 | 35 29 | 149 48 | Mar/79 | 512  | <i>Euoniticellus fulvus</i>      | 1  |                  |
| 20038 | Koolewong       | 8 km SSE  | Braidwood  | S155/16 | 35 29 | 149 48 | Mar/79 | 146  | <i>Euoniticellus fulvus</i>      | 1  |                  |
| 20038 | Koolewong       | 8 km SSE  | Braidwood  | S155/16 | 35 29 | 149 48 | Oct/79 | 600  | <i>Euoniticellus fulvus</i>      | 1  |                  |
| 20038 | Koolewong       | 8 km SSE  | Braidwood  | S155/16 | 35 29 | 149 48 | May/79 | 350  | <i>Euoniticellus fulvus</i>      | 1  |                  |
| 20258 | Sunny Brae P.C. | 3 km W    | Braidwood  | S155/16 | 35 25 | 149 45 | Dec/69 | 500  | <i>Hister nomas</i>              |    | Not found        |
| 20530 | Garanvale       | 5 km E    | Braidwood  | S155/14 | 35 27 | 149 52 | May/79 | 1533 | <i>Geotrupes spiniger</i>        | 1  |                  |
| 20530 | Garanvale       | 5 km E    | Braidwood  | S155/14 | 35 27 | 149 52 | Jul/80 | 163  | <i>Geotrupes spiniger</i>        | 1  |                  |
| 20530 | Garanvale       | 5 km E    | Braidwood  | S155/14 | 35 27 | 149 52 | May/79 | 55   | <i>Geotrupes spiniger</i>        | 1  |                  |
| 30029 | Alva Koort      | 12 km SW  | Branxholme | S154/7  | 37 54 | 141 43 | Feb/79 | 320  | <i>Onthophagus taurus</i>        | 5  | Not found Mar/81 |
| 30029 | Alva Koort      | 12 km SW  | Branxholme | S154/7  | 37 54 | 141 43 | Oct/78 | 500  | <i>Onthophagus taurus</i>        | 5  | Not found Mar/81 |
| 30029 | Alva Koort      | 12 km SW  | Branxholme | S154/7  | 37 54 | 141 43 | Nov/78 | 1000 | <i>Onthophagus taurus</i>        | 5  | Not found Mar/81 |
| 30029 | Alva Koort      | 12 km SW  | Branxholme | S154/7  | 37 54 | 141 43 | Jan/79 | 500  | <i>Onthophagus taurus</i>        | 5  | Not found Mar/81 |
| 20551 | Recovery Area   | 5 km S    | Branxton   | S156/1  | 32 42 | 151 21 |        |      | <i>Hister nomas</i>              |    | Found Jan/78     |
| 20178 | (Road Release)  | 13 km S   | Breeza     | Sh56/5  | 31 20 | 150 30 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    |                  |
| 20178 | (Road Release)  | 13 km S   | Breeza     | SH56/5  | 31 20 | 150 30 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |                  |
| 20372 | (Road Release)  | 38 km E   | Brewarrina | SH55/11 | 30 3  | 147 11 | Jan/77 | 500  | <i>Onitis alexis</i>             | C  |                  |
| 20372 | (Road Release)  | 38 km E   | Brewarrina | SH55/11 | 30 3  | 147 11 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/77     |
| 6021  | Jesselson       | 11 km ENE | Bridgetown | S150/6  | 33 54 | 116 12 | Feb/79 | 900  | <i>Onthophagus binodis</i>       | WR |                  |
| 60102 | Catterick       | 16 km NW  | Bridgetown | S150/6  | 33 50 | 116 08 | Apr/77 | 1200 | <i>Euoniticellus pallipes</i>    | 1  |                  |
| 60102 | Catterick       | 16 km NW  | Bridgetown | S150/6  | 33 50 | 116 08 | May/77 | 1022 | <i>Euoniticellus pallipes</i>    | 1  |                  |
| 60190 | Maranup Ford    | 11 km NW  | Bridgetown | S150/6  | 33 56 | 116 01 | Feb/79 | 1800 | <i>Onthophagus binodis</i>       | WR |                  |
| 60190 | Maranup Ford    | 11 km NW  | Bridgetown | S150/6  | 33 56 | 116 01 | Mar/79 | 7000 | <i>Onthophagus taurus</i>        | 3  |                  |
| 60190 | Maranup Ford    | 111 km NW | Bridgetown | S150/6  | 33 56 | 116 01 | Oct/80 | 1200 | <i>Onthophagus taurus</i>        | 3  |                  |
| 60220 | Bentley (Jack)  | 2 km SW   | Bridgetown | S150/6  | 33 58 | 116 07 | Feb/79 | 900  | <i>Onthophagus binodis</i>       | WR |                  |
| 60262 | Glenloch        | 8 km W    | Bridgetown | S150/06 | 33 58 | 116 08 |        |      | <i>Onthophagus binodis</i>       | WR | Found Jan/82     |
| 60262 | Glenloch        | 8 km W    | Bridgetown | S150/06 | 33 58 | 116 08 | May/80 | 1110 | <i>Euoniticellus fulvus</i>      | 1  | Found Jan/82     |
| 60262 | Glenloch        | 8 km W    | Bridgetown | S150/06 | 33 58 | 116 08 | May/80 | 720  | <i>Euoniticellus fulvus</i>      | 1  | Found Jan/82     |
| 60262 | Glenloch        | 8 km W    | Bridgetown | S150/06 | 33 58 | 116 08 |        |      | <i>Euoniticellus pallipes</i>    | 1  | Found Jan/82     |
| 60323 | Recovery Area   | 2 km N    | Bridgetown | S150/06 | 33 57 | 116 07 |        |      | <i>Euoniticellus pallipes</i>    | 1  | Found Jan/82     |
| 70011 | Wyambi          | 40 km E   | Bridport   | SK55/04 | 40 59 | 147 49 | Mar/79 | 550  | <i>Onthophagus taurus</i>        | 6  | Not found Jan/82 |
| 70011 | Wyambi          | 40 km E   | Bridport   | SK55/04 | 40 59 | 147 49 | Jan/79 | 1000 | <i>Onthophagus taurus</i>        | 6  | Not found Jan/82 |
| 70011 | Wyambi          | 40 km E   | Bridport   | SK55/04 | 40 59 | 147 49 | Feb/79 | 1000 | <i>Onthophagus taurus</i>        | 6  | Not found Jan/82 |

| Index | Property          | Location   | Town        | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|-------------------|------------|-------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20094 | Creswick          | 1 km W     | Brindabella | SI55/16 | 35 23 | 148 45 | Oct/73 | 300  | <i>Onitis alexis</i>             | C  |                  |
| 40042 | Mt Cotton Ag. St  | 32 km SE   | Brisbane    | SG56/15 | 27 31 | 153 14 | May/73 | 450  | <i>Onthophagus gazella</i>       | C  | Found Nov/76     |
| 40042 | Mt Cotton Ag. St  | 32 km SE   | Brisbane    | SG56/15 | 27 31 | 153 14 | Nov/75 | 500  | <i>Onitis alexis</i>             | T  |                  |
| 40042 | Mt Cotton Ag. St. | 32 km SE   | Brisbane    | SG56/15 | 27 31 | 153 14 |        |      | <i>Hister nomas</i>              |    | Found Sep/76     |
| 40042 | Mt Cotton Ag. St  | 32 km SE   | Brisbane    | SG56/15 | 27 31 | 153 14 |        |      | <i>Euoniticellus intermedius</i> |    | Found Sep/76     |
| 40087 | CSIRO Past. Res.  | 24 km NW   | Brisbane    | SG56/14 | 27 21 | 152 54 | Oct/73 | 300  | <i>Sisyphus rubrus</i>           | T  | Not found        |
| 40087 | CSIRO Past Res.   | 24 km NW   | Brisbane    | SG56/14 | 27 21 | 152 54 | Feb/71 | 1000 | <i>Onthophagus gazella</i>       | T  |                  |
| 40087 | CSIRO Past. Res.  | 24 km NW   | Brisbane    | SG56/14 | 27 21 | 152 54 | Oct/73 | 500  | <i>Onthophagus binodis</i>       | SR |                  |
| 40087 | CSIRO Past. Res.  | 24 km NW   | Brisbane    | SG56/14 | 27 21 | 152 53 | Oct/73 | 500  | <i>Onthophagus gazella</i>       | C  | Found Dec/78     |
| 40087 | CSIRO Past. Res.  | 24 km NW   | Brisbane    | SG56/14 | 27 21 | 152 54 |        |      | <i>Hister nomas</i>              |    | Found Dec/78     |
| 40087 | CSIRO Past. Res.  | 24 km NW   | Brisbane    | SG56/14 | 27 21 | 152 54 | Oct/73 | 300  | <i>Onitis alexis</i>             | C  |                  |
| 40087 | CSIRO Past. Res.  | 24 km NW   | Brisbane    | SG56/14 | 27 21 | 152 54 | Mar/71 | 161  | <i>Copris incertus</i>           |    |                  |
| 40087 | CSIRO Past. Res.  | 24 km NW   | Brisbane    | SG56/14 | 27 21 | 152 54 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/78     |
| 40582 | River Mouth       | km         | Brisbane    | SG56/15 | 27 28 | 153 01 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/80     |
| 40582 | River Mouth       | km         | Brisbane    | SG56/15 | 27 28 | 153 01 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/80     |
| 40583 | D.P.I. Rocklea    | km         | Brisbane    | SG56/15 | 27 29 | 153 00 |        |      | <i>Sisyphus spinipes</i>         |    | Found Feb/80     |
| 40583 | D.P.I. Rocklea    | km         | Brisbane    | SG56/15 | 27 29 | 153 00 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/80     |
| 20295 | (Road Release)    | 7 km E     | Broken Hill | SH54/15 | 31 54 | 141 31 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20295 | (Road Release)    | 7 km E     | Broken Hill | SH54/15 | 31 54 | 141 31 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    | Not found Mar/81 |
| 20296 | (Road Release)    | 7 km NW    | Broken Hill | SH54/15 | 31 56 | 141 24 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20296 | (Road Release)    | 7 km NW    | Broken Hill | SH54/15 | 31 56 | 141 24 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |                  |
| 20297 | (Road Release)    | 33 km NW   | Broken Hill | SH54/15 | 31 51 | 141 13 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |                  |
| 20297 | (Road Release)    | 33 km NW   | Broken Hill | SH54/15 | 31 51 | 141 13 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20298 | (Road Release)    | 13 km S    | Broken Hill | SI54/3  | 32 6  | 141 25 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |                  |
| 20298 | (Road Release)    | 13 km S    | Broken Hill | SI54/3  | 32 6  | 141 25 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20299 | (Road Release)    | 50 km S    | Broken Hill | SI54/3  | 32 23 | 141 30 | Feb/76 | 500  | <i>Euoniticellus africanus</i>   |    |                  |
| 20299 | (Road Release)    | 50 km S    | Broken Hill | SI54/3  | 32 23 | 141 30 | Feb/76 | 50   | <i>Euoniticellus intermedius</i> |    |                  |
| 20300 | (Road Release)    | 81 km S    | Broken Hill | SI54/3  | 32 38 | 141 39 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |                  |
| 20300 | (Road Release)    | 81 km S    | Broken Hill | SI54/3  | 32 38 | 141 39 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20301 | (Road Release)    | 133 km S   | Broken Hill | SI54/7  | 33 4  | 141 39 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |                  |
| 20301 | (Road Release)    | 133 km S   | Broken Hill | SI54/7  | 33 4  | 141 39 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20302 | (Road Release)    | 198 km S   | Broken Hill | SI54/7  | 33 32 | 141 44 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |                  |
| 20302 | (Road Release)    | 198 km S   | Broken Hill | SI54/7  | 33 32 | 141 44 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20302 | Wilangee Stn.     | 84 km NNW  | Broken Hill | SH54/15 | 31 25 | 141 20 | Mar/76 | 600  | <i>Euoniticellus intermedius</i> |    |                  |
| 20343 | Lynray Station    | 121 km NNW | Broken Hill | SH54/14 | 31 1  | 141 14 | Mar/76 | 600  | <i>Euoniticellus intermedius</i> |    |                  |
| 20344 | Joulnie Station   | 145 km NNW | Broken Hill | SH54/11 | 30 20 | 141 17 | Mar/76 | 600  | <i>Euoniticellus intermedius</i> |    |                  |
| 20345 | Mt Westwood Stn   | 145 km N   | Broken Hill | SH54/11 | 30 56 | 141 25 | Mar/76 | 600  | <i>Euoniticellus intermedius</i> |    |                  |
| 20446 | Kennedys Tank     | 31 km N    | Broken Hill | SH54/14 | 31 43 | 141 35 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/77     |
| 20447 | Recovery Area     | 3 km N     | Broken Hill | SH54/15 | 31 57 | 141 27 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/77     |
| 20448 | Recovery Area     | 53 km E    | Broken Hill | SH54/15 | 31 50 | 141 57 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/77     |

|       |                   |            |                    |         |       |        |        |                                  |    |              |
|-------|-------------------|------------|--------------------|---------|-------|--------|--------|----------------------------------|----|--------------|
| 20449 | Recovery Area     | 105 km E   | Broken Hill        | SH54/15 | 31 34 | 142 28 |        | <i>Euoniticellus intermedius</i> |    | Found Feb/77 |
| 20503 | Recovery Area     | 146 km E   | Broken Hill        | SH54/16 | 31 43 | 142 42 |        | <i>Euoniticellus intermedius</i> |    | Found Feb/77 |
| 20651 | Recovery Area     | 98 km S    | Broken Hill        | SI54/03 | 32 48 | 141 37 |        | <i>Euoniticellus intermedius</i> | C  | Found Mar/81 |
| 60012 | Glengower         | 10 km N    | Brookton           | SI50/03 | 32 17 | 117 1  | Nov/72 | <i>Onthophagus gazella</i>       |    | Not found    |
| 60343 | Brookton Hwy      | 17 km W    | Brookton           | SI50/02 | 32 24 | 116 53 |        | <i>Euoniticellus pallipes</i>    | 2  | Found Apr/82 |
| 60344 | Corrigin Road     | 35 km E    | Brookton           | SI50/03 | 32 28 | 117 16 |        | <i>Euoniticellus pallipes</i>    | 2  | Found Apr/82 |
| 60021 | Pearl Coast Dy    | 3 km E     | Broome             | SE51/6  | 17 58 | 122 14 | Feb/73 | <i>Euoniticellus intermedius</i> | GP | Found Feb/75 |
| 60035 | Thangoo Stn       | 30 km SSE  | Broome             | SE51/10 | 18 11 | 122 21 | Nov/73 | <i>Onthophagus gazella</i>       | GP |              |
| 60036 | Roebuck Stn       | 27 km E    | Broome             | SE51/6  | 17 56 | 122 28 | Nov/73 | <i>Onthophagus gazella</i>       | GP |              |
| 60037 | Roebuck Station   | 27 km E    | Broome             | SE51/6  | 17 56 | 122 28 | Jan/77 | <i>Coprus diversus</i>           |    |              |
| 60037 | Kilto Stn         | 60 km NE   | Broome             | SE51/6  | 17 41 | 122 43 | Nov/73 | <i>Onthophagus gazella</i>       | GP |              |
| 60038 | Beagle Bay Mis.   | 120 km NNE | Broome             | SE51/2  | 16 59 | 122 40 | Nov/73 | <i>Onthophagus gazella</i>       | GP | Found Jun/81 |
| 60038 | Beagle Bay Miss.  | 120 km NNE | Broome             | SE51/2  | 16 59 | 122 48 |        | <i>Onitis alexis</i>             | T  | Found Jun/81 |
| 60038 | Beagle Bay Miss.  | 120 km NNE | Broome             | SE51/2  | 16 59 | 122 40 |        | <i>Euoniticellus intermedius</i> |    | Found Jun/81 |
| 60039 | Stock Depot       | km         | Broome             | SE51/2  | 17 58 | 122 14 |        | <i>Onthophagus gazella</i>       | T  | Found Jun/73 |
| 60039 | Stock Depot       | km         | Broome             | SE51/2  | 17 58 | 122 14 | Nov/73 | <i>Onthophagus gazella</i>       | T  |              |
| 60039 | Stock Depot       | km         | Broome             | SE51/2  | 17 58 | 122 14 | Jan/74 | <i>Onitis alexis</i>             | T  |              |
| 60039 | Stock Depot       | km         | Broome             | SE51/2  | 17 58 | 122 14 | Feb/74 | <i>Onitis alexis</i>             | T  |              |
| 60039 | Stock Depot       | km         | Broome             | SE51/2  | 17 58 | 122 14 | Feb/74 | <i>Sisyphus spinipes</i>         |    |              |
| 60039 | Stock Depot       | km         | Broome             | SE51/2  | 17 58 | 122 14 |        | <i>Euoniticellus intermedius</i> | T  | Found Jun/75 |
| 60075 | Waterbank         | 18 km N    | Broome             | SE51/6  | 17 49 | 122 13 | Jan/70 | <i>Onthophagus gazella</i>       |    | Found Feb/75 |
| 60075 | Waterbank         | 18 km N    | Broome             | SE51/6  | 17 49 | 122 13 | Feb/72 | <i>Hister calidus</i>            |    |              |
| 60075 | Waterbank         | 18 km N    | Broome             | SE51/6  | 17 49 | 122 13 | Jan/70 | <i>Liatongus militaris</i>       | T  |              |
| 60082 | Mandora           | 240 km SW  | Broome             | SE51/6  | 19 44 | 120 50 | Feb/71 | <i>Onthophagus gazella</i>       | T  |              |
| 60083 | Wallal Downs      | 270 km SW  | Broome             | SE51/13 | 19 47 | 120 38 | Feb/71 | <i>Onthophagus gazella</i>       | T  |              |
| 60084 | Anna Plains       | 165 km SW  | Broome             | SE51/13 | 19 15 | 121 29 | Feb/71 | <i>Onthophagus gazella</i>       | T  | Found Jun/73 |
| 60084 | Anna Plains       | 165 km SW  | Broome             | SE51/13 | 19 15 | 121 29 | Feb/71 | <i>Copris incertus</i>           |    |              |
| 60149 | Recovery Area     | 50 km S    | Broome             | SE51/10 | 18 2  | 122 34 |        | <i>Onthophagus gazella</i>       | GP | Found May/77 |
| 60149 | Recovery Area     | 50 km S    | Broome             | SE51/10 | 18 2  | 122 34 |        | <i>Euoniticellus intermedius</i> |    | Found May/77 |
| 60292 | Recovery Area     | 5 km E     | Broome             | SE51/6  | 17 56 | 122 15 |        | <i>Onthophagus gazella</i>       | T  | Found Jun/81 |
| 60292 | Recovery Area     | 5 km E     | Broome             | SE51/6  | 17 56 | 122 15 |        | <i>Onitis alexis</i>             | T  | Found Jun/81 |
| 60292 | Recovery Area     | 5 km E     | Broome             | SE51/6  | 17 56 | 122 15 |        | <i>Euoniticellus intermedius</i> |    | Found Jun/81 |
| 20574 | Illawong Stud     | 2 km WNW   | Broulee            | SI56/13 | 35 52 | 150 06 | Oct/81 | <i>Onthophagus nigriventris</i>  | ER | Found Feb/82 |
| 20574 | Illawong Stud     | 2 km WNW   | Broulee            | SI56/13 | 35 52 | 150 06 |        | <i>Onitis pecuarius</i>          | C  |              |
| 20574 | Illawong Stud     | 2 km WNW   | Broulee            | SI56/13 | 35 52 | 150 06 | Dec/80 | <i>Onitis alexis</i>             |    | Not found    |
| 20250 | Belconnen Dairy   | km         | Bruce ACT          | SI55/16 | 35 14 | 149 3  | Dec/68 | <i>Hister nomas</i>              |    |              |
| 60331 | Bahloo            | 10 km N    | Bruce Rock         | SH50/15 | 31 51 | 118 09 | Apr/82 | <i>Onthophagus opacicollis</i>   |    | Found Apr/82 |
| 60331 | Bahloo            | 10 km N    | Bruce Rock         | SH50/15 | 31 51 | 118 09 |        | <i>Onthophagus intermedius</i>   | T  | Found Apr/80 |
| 80261 | No. 2 Bore        | km         | Brunchilly Station | SE53/10 | 18 54 | 134 44 |        | <i>Onthophagus gazella</i>       |    | Found Apr/80 |
| 80261 | No. 2 Bore        | km         | Brunchilly Station | SE53/10 | 18 54 | 134 44 |        | <i>Euoniticellus intermedius</i> |    | Found Apr/80 |
| 80262 | HMSD+No. 5 Bore   | km         | Brunchilly Station | SE53/10 | 18 50 | 134 35 |        | <i>Euoniticellus intermedius</i> |    | Found Apr/80 |
| 80262 | Hmsd + No. 5 Bore | km         | Brunchilly Station | SE53/10 | 18 50 | 134 35 |        | <i>Onthophagus gazella</i>       | T  | Found Apr/80 |

| Index | Property        | Location | Town               | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|-----------------|----------|--------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 80263 | Eagle Hawk Rdg  | km       | Brunchilly Station | SE53/10 | 18 34 | 134 36 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/80     |
| 80263 | Eagle Hawk Rdg  | km       | Brunchilly Station | SE53/10 | 18 34 | 134 36 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/80     |
| 80264 | No. 3 Bore      | km       | Brunchilly Station | SE53/10 | 18 20 | 134 36 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/80     |
| 80264 | No. 3 Bore      | km       | Brunchilly Station | SE53/10 | 18 20 | 134 36 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Apr/80     |
| 80332 | Dingo Waterhole |          | Brunette Downs     | SE53/11 | 18 33 | 136 10 |        |      | <i>Onthophagus gazella</i>       | T  | Found Aug/82     |
| 80332 | Dingo Waterhole |          | Brunette Downs     | SE53/11 | 18 33 | 136 10 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Aug/82     |
| 80333 | No. 45 Bore     |          | Brunette Downs     | SE53/11 | 18 39 | 136 15 |        |      | <i>Onthophagus gazella</i>       | T  | Found Aug/82     |
| 80333 | No. 45 Bore     |          | Brunette Downs     | SE53/11 | 18 39 | 136 15 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Aug/82     |
| 80337 | Mittiebah Bore  |          | Brunette Downs     | SE53/11 | 18 46 | 136 25 |        |      | <i>Onthophagus gazella</i>       | T  | Found Aug/82     |
| 20277 | Grey Friars     | 5 km NNW | Brunswick Heads    | SH56/3  | 28 30 | 153 33 | Feb/77 | 3600 | <i>Onthophagus gazella</i>       | GP | Found Mar/81     |
| 20277 | Grey Friars     | 5 km NNW | Brunswick Heads    | SH56/3  | 28 30 | 153 33 | Mar/74 | 350  | <i>Onthophagus gazella</i>       | T  | Found Dec/78     |
| 20277 | Grey Friars     | 5 km NNW | Brunswick Heads    | SH56/3  | 28 30 | 153 33 | Dec/78 | 320  | <i>Onthophagus binodis</i>       | WR | Not found Mar/81 |
| 20277 | Grey Friars     | 5 km NNW | Brunswick Heads    | SH56/3  | 28 30 | 153 33 | Dec/78 | 2300 | <i>Onthophagus nigrivertris</i>  |    | Not found Mar/81 |
| 20277 | Grey Friars     | 5 km NNW | Brunswick Heads    | SH56/3  | 28 30 | 153 33 | Feb/77 | 1000 | <i>Sisypus spinipes</i>          |    | Not found Mar/81 |
| 20277 | Grey Friars     | 5 km NNW | Brunswick Heads    | SH56/3  | 28 30 | 153 33 | Nov/75 | 500  | <i>Onitis alexis</i>             | T  | Not found Mar/81 |
| 20277 | Grey Friars     | 5 km NNW | Brunswick Heads    | SH56/3  | 28 30 | 153 33 | Nov/75 | 500  | <i>Onthophagus gazella</i>       | T  | Found Dec/78     |
| 20277 | Grey Friars     | 5 km NNW | Brunswick Heads    | SH56/3  | 28 30 | 153 33 | Feb/77 | 75   | <i>Onthophagus sagittarius</i>   |    | Not found Mar/81 |
| 20277 | Grey Friars     | 5 km NNW | Brunswick Heads    | SH56/3  | 28 30 | 153 33 | Feb/77 | 200  | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20277 | Grey Friars     | 5 km NNW | Brunswick Heads    | SH56/3  | 28 30 | 153 33 | Nov/75 | 700  | <i>Euoniticellus africanus</i>   |    | Not found Mar/81 |
| 20277 | Greg Friars     | 5 km NNW | Brunswick Heads    | SH56/3  | 28 30 | 153 33 |        |      | <i>Hister nomas</i>              |    | Found Dec/78     |
| 20773 | Recovery Area   | 6 km S   | Brunswick Heads    | SH56/3  | 28 54 | 153 31 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/82     |
| 20773 | Recovery Area   | 6 km S   | Brunswick Heads    | SH56/3  | 28 54 | 153 31 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82     |
| 60204 | Melville Park   | 2 km N   | Brunswick Junction | SI50/6  | 33 14 | 115 51 | Feb/79 | 600  | <i>Onthophagus binodis</i>       | WR | Found Jan/81     |
| 60277 | Recovery Area   | 13 km NW | Brunswick Junction | SI50/06 | 33 10 | 115 46 |        |      | <i>Onthophagus binodis</i>       | WR | Found Jan/81     |
| 60278 | Recovery Area   | 18 km NW | Brunswick Junction | SI50/06 | 33 07 | 115 45 |        |      | <i>Onthophagus binodis</i>       | WR | Found Jan/81     |
| 30017 | Gillingall Stn  | 32 km N  | Buchan             | SI55/8  | 37 30 | 148 30 | Apr/73 | 500  | <i>Sisypus rubrus</i>            | C  | Not found Jan/82 |
| 20126 | Burraduc        | 19 km E  | Bulahdelah         | SI56/2  | 32 24 | 152 23 | Mar/74 | 300  | <i>Onthophagus gazella</i>       | C  | Found Jan/82     |
| 20126 | Burraduc        | 19 km E  | Bulahdelah         | SI56/2  | 32 24 | 152 23 |        |      | <i>Hister nomas</i>              | C  | Found Mar/75     |
| 20126 | Burraduc        | 19 km E  | Bulahdelah         | SI56/2  | 32 24 | 152 23 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20638 | Recovery Area   | 8 km SW  | Bulahdelah         | SI56/02 | 32 26 | 152 08 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/81     |
| 20638 | Recovery Area   | 8 km SW  | Bulahdelah         | SI56/02 | 32 26 | 152 08 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20638 | Recovery Area   | 8 km SW  | Bulahdelah         | SI56/02 | 32 26 | 152 08 |        |      | <i>Hister nomas</i>              |    | Found Mar/81     |
| 60003 | Hillview        | 13 km E  | Bunbury            | SI50/7  | 33 22 | 115 49 | Jul/72 | 458  | <i>Onthophagus binodis</i>       | WR | Found Mar/76     |
| 60208 | Coast Past. Co. | 20 km N  | Bunbury            | SI50/6  | 33 09 | 115 42 | Feb/79 | 900  | <i>Onthophagus binodis</i>       | WR | Found Jan/82     |
| 40454 | Recovery Area   | 20 km NW | Bundaberg          | SG56/2  | 24 49 | 152 11 |        |      | <i>Onthophagus gazella</i>       | GP | Found Nov/76     |
| 40454 | Recovery Area   | 20 km NW | Bundaberg          | SG56/2  | 24 49 | 152 11 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 40480 | Bundaberg Creek | 1 km N   | Bundaberg          | SG56/2  | 24 52 | 152 21 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/77     |
| 40480 | Bundaberg Creek | 1 km N   | Bundaberg          | SG56/2  | 24 52 | 152 21 |        |      | <i>Onthophagus gazella</i>       | GP | Found Jan/76     |
| 40539 | Electra         | 25 km SW | Bundaberg          | SG56/6  | 25 00 | 152 10 |        |      | <i>Onthophagus gazella</i>       | GP | Found Jul/78     |

|       |                 |            |                 |                  |       |        |                                  |    |                  |
|-------|-----------------|------------|-----------------|------------------|-------|--------|----------------------------------|----|------------------|
| 40539 | Electra         | 25 km SW   | Bundaberg       | SG56/6           | 25 00 | 152 10 | <i>Onthophagus gazella</i>       | T  | Found Jul/78     |
| 40539 | Electra         | 25 km SW   | Bundaberg       | SG56/6           | 25 00 | 152 10 | <i>Euoniticellus intermedius</i> |    | Found Jul/78     |
| 20497 | Recovery Area   | 5 km W     | Bundarra        | SH56/9           | 30 10 | 151 1  | <i>Euoniticellus intermedius</i> |    | Found Jan/77     |
| 20498 | Recovery Area   | 25 km SE   | Bundarra        | SH56/9           | 30 18 | 151 13 | <i>Euoniticellus intermedius</i> |    | Found Jan/77     |
| 20675 | Dalkeith        | 23 km SSE  | Bundarra        | SH56/9           | 30 21 | 151 09 | <i>Euoniticellus africanus</i>   |    | Found Jan/78     |
| 20675 | Dalkeith        | 23 km SSE  | Bundarra        | SH56/9           | 30 21 | 151 09 | <i>Euoniticellus intermedius</i> |    | Found Nov/77     |
| 20676 | Zahlii          | 20 km WSW  | Bundarra        | SH56/9           | 30 13 | 150 53 | <i>Euoniticellus intermedius</i> |    | Found Nov/77     |
| 20676 | Zahlii          | 20 km WSW  | Bundarra        | sh% <sup>9</sup> | 30 13 | 150 53 | <i>Euoniticellus africanus</i>   | C  | Found Dec/77     |
| 20678 | Recovery Area   |            | Bundarra        | SH56/9           | 30 11 | 151 04 | <i>Onitits alexis</i>            | C  | Found Jan/82     |
| 20678 | Recovery Area   |            | Bundarra        | SH56/9           | 30 11 | 151 04 | <i>Euoniticellus africanus</i>   |    | Found Dec/77     |
| 20718 | Recovery Area   | 26 km ESE  | Bundarra        | SH56/9           | 30 21 | 151 14 | <i>Onthophagus gazella</i>       | C  | Found Jan/82     |
| 20718 | Recovery Area   | 26 km ESE  | Bundarra        | SH56/9           | 30 21 | 151 14 | <i>Onitits alexis</i>            | C  | Found Jan/82     |
| 20718 | Recovery Area   | 26 km ESE  | Bundarra        | SH56/9           | 30 21 | 151 14 | <i>Euoniticellus africanus</i>   |    | Found Jan/82     |
| 20718 | Recovery Area   | 26 km ESE  | Bundarra        | SH56/9           | 30 21 | 151 14 | <i>Euoniticellus intermedius</i> |    | Found Jan/82     |
| 20029 | Upper Mulloon   | 12 km SE   | Bungendore      | SI55/16          | 35 20 | 149 33 | <i>Onthophagus binodis</i>       | SR | Not found        |
| 20049 | Mulloon Creek   | 16 km E    | Bungendore      | SI55/16          | 35 17 | 149 36 | <i>Onthophagus bubalus</i>       |    | Not found        |
| 20049 | Mulloon Creek   | 16 km E    | Bungendore      | SI55/16          | 35 17 | 149 36 | <i>Euoniticellus fulvus</i>      | I  |                  |
| 20049 | Mulloon Creek   | 16 km E    | Bungendore      | SI55/16          | 35 17 | 149 36 | <i>Euoniticellus fulvus</i>      | I  |                  |
| 20049 | Mulloon Creek   | 16 km E    | Bungendore      | SI55/16          | 35 17 | 149 36 | <i>Euoniticellus fulvus</i>      | I  | Found Feb/84     |
| 20049 | Mulloon Creek   | 16 km E    | Bungendore      | SI55/16          | 35 17 | 149 36 | <i>Euoniticellus fulvus</i>      | I  |                  |
| 20049 | Mulloon Creek   | 16 km E    | Bungendore      | SI55/16          | 35 17 | 149 36 | <i>Euoniticellus fulvus</i>      | I  |                  |
| 20686 | Turalla         | 2 km W     | Bungendore      | SI55/16          | 35 14 | 149 27 | <i>Euoniticellus fulvus</i>      | I  |                  |
| 20686 | Turalla         | 2 km W     | Bungendore      | SI55/16          | 35 14 | 149 27 | <i>Euoniticellus fulvus</i>      | I  |                  |
| 20686 | Turalla         | 2 km W     | Bungendore      | SI55/16          | 35 14 | 149 27 | <i>Euoniticellus fulvus</i>      | I  |                  |
| 40198 | Town Common     | km         | Burketown       | SE54/6           | 17 44 | 139 33 | <i>Onthophagus gazella</i>       | T  | Found Jun/73     |
| 40209 | Lawn Hill       | 140 km SW  | Burketown       | SE54/9           | 18 35 | 138 35 | <i>Onthophagus gazella</i>       | T  | Found Jun/73     |
| 40330 | Armraynaldia    | 35 km SE   | Burketown       | SE54/6           | 17 58 | 139 46 | <i>Onthophagus gazella</i>       | T  | Found Jun/73     |
| 40331 | Corinda         | 102 km WSW | Burketown       | SE54/5           | 17 54 | 138 35 | <i>Onthophagus gazella</i>       | T  |                  |
| 40332 | Westmoreland    | 145 km WNW | Burketown       | SE54/5           | 17 20 | 138 15 | <i>Onthophagus gazella</i>       | T  |                  |
| 80014 | Wollogorang Stn | 178 km NW  | Burketown (Qld) | SE53/8           | 17 13 | 137 57 | <i>Onthophagus gazella</i>       | GP | Found Jun/73     |
| 80014 | Wollogorang Stn | 178 km NW  | Burketown (Qld) | SE53/8           | 17 13 | 137 57 | <i>Onthophagus gazella</i>       | T  | Found Jun/73     |
| 80014 | Wollogorang Stn | 178 km NW  | Burketown (Qld) | SE53/8           | 17 13 | 137 57 | <i>Onthophagus gazella</i>       | T  | Found Jun/73     |
| 80014 | Wollogorang Stn | 178 km NW  | Burketown (Qld) | SE53/8           | 17 13 | 137 57 | <i>Onthophagus sagittarius</i>   | T  |                  |
| 80111 | Redbank         | 190 km WNW | Burketown (Qld) | SE53/8           | 17 10 | 137 45 | <i>Liatoxus militaris</i>        | T  | Found Jun/73     |
| 40581 | Recovery Area   | 13 km W    | Burleigh Heads  | SH56/03          | 28 05 | 153 21 | <i>Onthophagus gazella</i>       | C  | Found Feb/80     |
| 40581 | Recovery Area   | 13 km W    | Burleigh Heads  | SH56/03          | 28 05 | 153 21 | <i>Onthophagus gazella</i>       | C  | Found Feb/80     |
| 40581 | Recovery Area   | 13 km W    | Burleigh Heads  | SH56/03          | 28 05 | 153 21 | <i>Hister nomas</i>              |    | Found Mar/82     |
| 70004 | Wahroonga       | 8 km SW    | Burnie          | SK55/03          | 41 7  | 145 52 | <i>Euoniticellus intermedius</i> | SR | Not found Mar/80 |
| 20460 | Recovery Area   | 17 km WNW  | Burren Junction | SH55/12          | 30 03 | 148 48 | <i>Euoniticellus intermedius</i> |    | Found Feb/77     |
| 20461 | Recovery Area   | 43 km WNW  | Burren Junction | SH55/12          | 30 2  | 148 42 | <i>Euoniticellus intermedius</i> |    | Found Feb/77     |
| 20462 | Recovery Area   | 60 km WNW  | Burren Junction | SH55/18          | 29 59 | 148 32 | <i>Euoniticellus intermedius</i> |    | Found Feb/77     |

| Index | Property          | Location | Town            | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|-------------------|----------|-----------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20463 | Recovery Area     | 77 km W  | Burren Junction | SH55/7  | 29 58 | 148 22 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/77     |
| 20793 | Pacific Park      | km       | Burrill Lake    | SI56/13 | 35 23 | 150 27 |        |      | <i>Onthophagus binodis</i>       | SR | Found Apr/80     |
| 20793 | Pacific Park      | km       | Burrill Lake    | SI56/13 | 35 23 | 150 27 | Dec/80 | 1500 | <i>Onitis alexis</i>             | C  | Found Jan/83     |
| 60007 | Boomeroo          | 26 km SW | Busselton       | SI50/5  | 33 20 | 115 6  | Aug/72 | 536  | <i>Onthophagus gazella</i>       | C  |                  |
| 60225 | Hillcrest         | 33 km SW | Busselton       | SI50/5  | 33 46 | 115 04 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR |                  |
| 60226 | Mallea Stud       | 22 km SW | Busselton       | SI50/5  | 33 45 | 115 12 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR |                  |
| 60227 | Waterhatch        | 26 km SW | Busselton       | SI50/5  | 33 48 | 115 17 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR | Found Jan/81     |
| 60238 | Cattle Chosen     | 3 km S   | Busselton       | SI50/5  | 33 41 | 115 21 | Feb/79 | 500  | <i>Onthophagus binodis</i>       | WR |                  |
| 60240 | Cavallo (Charlie) | 7 km SW  | Busselton       | SI50/5  | 33 43 | 115 18 | Feb/79 | 500  | <i>Onthophagus binodis</i>       | WR |                  |
| 60241 | Hagley Grove      | 18 km S  | Busselton       | SI50/5  | 33 48 | 115 23 | Feb/79 | 500  | <i>Onthophagus binodis</i>       | WR |                  |
| 60242 | Glen View         | 15 km SE | Busselton       | SI50/5  | 33 45 | 115 29 | Feb/79 | 500  | <i>Onthophagus binodis</i>       | WR |                  |
| 60260 | Coates (Mr P.)    | 15 km SW | Busselton       | SI50/05 | 33 45 | 115 16 | Feb/80 | 1000 | <i>Euoniticellus pallipes</i>    | 3  | Found Mar/81     |
| 60260 | Coates (Mr P.)    | 15 km SW | Busselton       | SI50/05 | 33 45 | 115 16 | Jan/80 | 1330 | <i>Euoniticellus pallipes</i>    | 3  | Found Mar/81     |
| 60304 | Recovery Area     | 15 km S  | Busselton       | SI50/5  | 33 49 | 115 20 |        |      | <i>Onthophagus binodis</i>       | WR | Found Nov/80     |
| 60243 | Yelverton (H.M.)  | 20 km W  | Bussleton       | SI50/5  | 33 39 | 115 09 | Feb/79 | 900  | <i>Onthophagus binodis</i>       | WR |                  |
| 60161 | (Road Release)    | 2 km N   | Byford          | SI50/2  | 32 9  | 115 59 | Oct/78 | 200  | <i>Onthophagus binodis</i>       | WR |                  |
| 60194 | Greeba Farm       | 8 km W   | Byford          | SI50/2  | 32 13 | 115 54 | Feb/79 | 500  | <i>Onthophagus binodis</i>       | WR |                  |
| 60195 | Whitby Falls      | 8 km S   | Byford          | SI50/2  | 32 17 | 116 01 | Feb/79 | 500  | <i>Onthophagus binodis</i>       | WR |                  |
| 60195 | Whitby Falls      | 8 km S   | Byford          | SI50/2  | 32 17 | 116 01 |        |      | <i>Onthophagus binodis</i>       | WR | Not found May/82 |
| 60195 | Whitby Falls      | 8 km S   | Byford          | SI50/2  | 32 17 | 116 01 | Feb/79 | 200  | <i>Euoniticellus intermedius</i> | WR | Found Dec/81     |
| 60195 | Whitby Falls      | 8 km S   | Byford          | SI50/2  | 32 17 | 116 01 |        |      | <i>Euoniticellus pallipes</i>    | 3  | Found May/82     |
| 60346 | Recovery Area     | 4 km SSW | Byford          | SI50/02 | 32 17 | 115 58 |        |      | <i>Onthophagus binodis</i>       | WR | Found Dec/81     |
| 60346 | Recovery Area     | 4 km SSW | Byford          | SI50/02 | 32 17 | 115 58 |        |      | <i>Euoniticellus intermedius</i> | WR | Found Apr/82     |
| 20160 | Murrumbo          | 10 km E  | Bylong          | SI56/1  | 32 25 | 150 13 | Dec/74 | 500  | <i>Onthophagus gazella</i>       | C  | Found Apr/82     |
| 20160 | Murrumbo          | 10 km E  | Bylong          | SI56/1  | 32 25 | 150 13 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Jan/78     |
| 20225 | (Road Release)    | 46 km W  | Bylong          | SI55/4  | 32 17 | 149 47 | Dec/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20225 | (Road Release)    | 46 km W  | Bylong          | SI55/4  | 32 17 | 149 47 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |                  |
| 20226 | (Road Release)    | 36 km W  | Bylong          | SI55/4  | 32 17 | 149 47 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    |                  |
| 20226 | (Road Release)    | 36 km W  | Bylong          | SI55/4  | 32 20 | 149 51 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |                  |
| 20227 | (Road Release)    | 22 km W  | Bylong          | SI55/4  | 32 20 | 149 51 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    |                  |
| 20227 | (Road Release)    | 22 km W  | Bylong          | SI55/4  | 32 24 | 149 59 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20228 | (Road Release)    | 7 km W   | Bylong          | SI56/01 | 32 24 | 149 49 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    | Not found Feb/82 |
| 20228 | (Road Release)    | 7 km W   | Bylong          | SI56/01 | 32 20 | 150 06 | Feb/75 | 740  | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20228 | (Road Release)    | 7 km W   | Bylong          | SI56/01 | 32 20 | 150 06 | Feb/75 | 260  | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20229 | (Road Release)    | 8 km E   | Bylong          | SI56/1  | 32 23 | 150 11 | Feb/75 | 740  | <i>Euoniticellus africanus</i>   |    | Not found Feb/82 |
| 20229 | (Road Release)    | 8 km E   | Bylong          | SI56/1  | 32 23 | 150 11 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |                  |
| 20230 | (Road Release)    | 23 km E  | Bylong          | SI56/1  | 32 28 | 150 16 | Feb/75 | 740  | <i>Euoniticellus africanus</i>   |    |                  |
| 20230 | (Road Release)    | 23 km E  | Bylong          | SI56/1  | 32 28 | 150 16 | Feb/75 | 260  | <i>Euoniticellus intermedius</i> |    |                  |
| 20231 | (Road Release)    | 38 km E  | Bylong          | SI56/1  | 32 23 | 150 22 | Feb/75 | 740  | <i>Euoniticellus africanus</i>   |    |                  |
| 20231 | (Road Release)    | 38 km E  | Bylong          | SI56/1  | 32 23 | 150 22 | Feb/75 | 260  | <i>Euoniticellus intermedius</i> |    |                  |
| 20231 | (Road Release)    | 38 km E  | Bylong          | SI56/1  | 32 23 | 150 22 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    |                  |

|       |                  |           |                   |         |       |        |        |      |                                  |    |              |
|-------|------------------|-----------|-------------------|---------|-------|--------|--------|------|----------------------------------|----|--------------|
| 20232 | (Road Release)   | 53 km E   | Bylong            | SI56/1  | 32 20 | 150 32 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    | Found Nov/78 |
| 20232 | (Road Release)   | 53 km E   | Bylong            | SI56/1  | 32 20 | 150 32 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    | Found Nov/78 |
| 20538 | Recovery Area    | 15 km E   | Bylong            | SI56/1  | 32 24 | 150 13 |        |      | <i>Euoniticellus africanus</i>   |    | Found Dec/76 |
| 20538 | Recovery Area    | 15 km E   | Bylong            | SI56/1  | 32 24 | 150 13 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/76 |
| 20435 | Knockrow         | 7 km W    | Byron Bay         | SH56/3  | 28 48 | 153 32 |        |      | <i>Hister nomas</i>              |    | Found Dec/76 |
| 20436 | Recovery Area    | 3 km SW   | Byron Bay         | SH56/3  | 28 43 | 153 6  |        |      | <i>Hister nomas</i>              |    | Found Dec/76 |
| 80132 | Recovery Area    | 1 km N    | Cahills Crossing  | SD53/1  | 12 57 | 132 34 |        |      | <i>Onthophagus gazella</i>       | T  | Found Oct/72 |
| 80136 | Recovery Area    | 1 km S    | Cahills Crossing  | SD53/1  | 12 58 | 132 33 |        |      | <i>Onthophagus gazella</i>       | T  | Found Nov/72 |
| 80138 | Recovery Area    | 5 km NNW  | Cahills Crossing  | SD53/1  | 12 23 | 132 57 |        |      | <i>Onthophagus gazella</i>       | T  | Found Nov/72 |
| 40570 | Edmonton         | 24 km S   | Cairns            | SE55/6  | 17 01 | 145 45 |        |      | <i>Onthophagus gazella</i>       | T  | Found Aug/71 |
| 40717 | Recovery Area    | 19 km NW  | Cairns            | SE55/6  | 16 46 | 145 40 |        |      | <i>Onthophagus sagittarius</i>   |    | Found Nov/82 |
| 40219 | Mt Beatrice      | 16 km N   | Calen             | SF55/4  | 20 50 | 148 39 | Apr/70 | 1100 | <i>Onthophagus gazella</i>       | T  | Found Feb/75 |
| 40522 | Recovery Area    | 4 km S    | Calen             | SF55/4  | 20 55 | 148 46 |        |      | <i>Onthophagus gazella</i>       | GP | Found Dec/76 |
| 40522 | Recovery Area    | 4 km S    | Calen             | SF55/4  | 20 55 | 148 46 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/76 |
| 1     | Overseas Series  |           | California USA    |         |       |        | Jan/76 | 550  | <i>Onthophagus taurus</i>        | I  |              |
| 1     | Overseas Series  |           | California USA    |         |       |        | Feb/74 | 250  | <i>Onthophagus binodis</i>       | WR |              |
| 1     | Overseas Series  |           | California USA    |         |       |        | Mar/74 | 250  | <i>Euoniticellus africanus</i>   |    |              |
| 1     | Overseas Series  |           | California USA    |         |       |        | Jun/69 | 404  | <i>Hister nomas</i>              |    |              |
| 1     | Overseas Series  |           | California USA    |         |       |        | Nov/70 | 442  | <i>Hister nomas</i>              |    |              |
| 1     | Overseas Series  |           | California USA    |         |       |        | Jul/69 | 101  | <i>Hister caffer</i>             |    |              |
| 1     | Overseas Series  |           | California USA    |         |       |        | Nov/70 | 404  | <i>Hister caffer</i>             |    |              |
| 1     | Overseas Series  |           | California USA    |         |       |        | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |              |
| 1     | Overseas Series  |           | California USA    |         |       |        | Feb/74 | 302  | <i>Onitis alexis</i>             | C  |              |
| 1     | Overseas Series  |           | California USA    |         |       |        | Jul/69 | 597  | <i>Hister nomas</i>              |    |              |
| 1     | Overseas Series  |           | California USA    |         |       |        | Feb/76 | 655  | <i>Euoniticellus intermedius</i> |    |              |
| 1     | Overseas Series  |           | California USA    |         |       |        | Feb/73 | 500  | <i>Onthophagus gazella</i>       | C  | Found Mar/75 |
| 20069 | Roseneath Stud   | 6 km N    | Camden            | SI56/9  | 34 1  | 150 42 |        |      | <i>Hister nomas</i>              |    | Found Feb/77 |
| 20069 | Roseneath Stud   | 6 km N    | Camden            | SI56/9  | 34 1  | 150 42 |        |      | <i>Hister nomas</i>              |    | Found Mar/82 |
| 20260 | Syd. Uni. Farm   | km        | Camden            | SI56/9  | 34 5  | 150 49 | Feb/70 | 412  | <i>Hister nomas</i>              |    | Found Mar/82 |
| 20260 | Syd. Uni. Farm   | km        | Camden            | SI56/9  | 34 5  | 150 49 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82 |
| 20697 | Recovery Area    | 7 km S    | Camden            | SI56/9  | 34 07 | 150 42 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82 |
| 20263 | Kelleway (Dr R.) | 5 km NE   | Camden (Narellan) | SI56/9  | 34 2  | 150 45 | Apr/70 | 300  | <i>Hister nomas</i>              | T  | Not found    |
| 80249 | Roadside         |           | Camfield Station  | SE52/08 | 17 55 | 131 28 |        |      | <i>Onthophagus gazella</i>       |    | Found Feb/80 |
| 80249 | Roadside         |           | Camfield Station  | SE52/00 | 17 55 | 131 28 |        |      | <i>Onthophagus gazella</i>       | GP | Found Feb/80 |
| 40433 | Recovery Area    | 33 km E   | Camooveal         | SE54/13 | 19 57 | 138 26 |        |      | <i>Onthophagus gazella</i>       | GP | Found Aug/76 |
| 40433 | Recovery Area    | 33 km E   | Camooveal         | SE54/13 | 19 57 | 138 26 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/76 |
| 40704 | Recovery Area    | 15 km E   | Camooveal         | SE54/13 | 19 56 | 138 15 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82 |
| 40704 | Recovery Area    | 15 km E   | Camooveal         | SE54/13 | 19 56 | 138 15 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82 |
| 40716 | Georgina River   |           | Camooveal         | SE54/13 | 19 55 | 138 7  |        |      | <i>Onthophagus gazella</i>       | T  | Found Aug/82 |
| 40716 | Georgina River   |           | Camooveal         | SE54/13 | 19 55 | 138 7  |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/82 |
| 80003 | Avon Downs       | 65 km WSW | Camooveal (Qld)   | SF53/4  | 20 2  | 137 30 |        |      | <i>Onthophagus gazella</i>       | GP | Found Jun/75 |
| 80003 | Avon Downs       | 65 km WSE | Camooveal (Qld)   | SF53/4  | 20 2  | 137 30 | Jan/73 | 400  | <i>Euoniticellus intermedius</i> |    | Found Jun/75 |
| 80004 | Alexandria Dns   | 117 km NW | Camooveal (Qld)   | SE53/16 | 19 03 | 136 42 |        |      | <i>Onthophagus gazella</i>       | GP | Found Apr/81 |

| Index | Property         | Location   | Town            | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status       |
|-------|------------------|------------|-----------------|---------|-------|--------|--------|------|----------------------------------|----|--------------|
| 80004 | Alexandria Downs | 117 km NW  | Camooweal (Qld) | SE53/16 | 19 03 | 136 42 | Jan/73 | 450  | <i>Euoniticellus intermedius</i> |    | Found Apr/81 |
| 80060 | Mittiebah Stn    | 165 km NW  | Camooweal (Qld) | SE53/12 | 18 49 | 137 5  |        |      | <i>Onthophagus gazella</i>       | GP | Found Jun/75 |
| 80060 | Mittiebah Stn    | 165 km NW  | Camooweal (Qld) | SE53/12 | 18 49 | 137 5  | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Apr/81 |
| 80069 | Ooratippra       | 290 km SW  | Camooweal (Qld) | SF53/7  | 21 50 | 136 14 |        |      | <i>Onthophagus gazella</i>       | GP | Found Jun/75 |
| 80069 | Ooratippra       | 290 km SW  | Camooweal (Qld) | SF53/7  | 21 50 | 136 14 | May/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Jun/75 |
| 80082 | Argadargada      | 245 km SW  | Camooweal (Qld) | SF53/8  | 21 41 | 136 40 | Dec/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Nov/83 |
| 80228 | Georgina Downs   | 150 km SSW | Camooweal (Qld) | SF53/8  | 21 10 | 137 40 |        |      | <i>Onthophagus gazella</i>       | GP | Found Mar/78 |
| 80295 | Ranken Store     | 130 km WNW | Camooweal (Qld) | SE53/16 | 19 45 | 137 00 |        |      | <i>Onthophagus gazella</i>       | GP | Found Apr/81 |
| 80296 | Lulu Waterhole   | 125 km NW  | Camooweal (Qld) | SE53/16 | 19 10 | 137 20 |        |      | <i>Onthophagus gazella</i>       | GP | Found Apr/81 |
| 80296 | Lulu Waterhole   | 125 km NW  | Camooweal (Qld) | SE53/16 | 19 10 | 137 20 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/81 |
| 80336 | Recovery Area    | 135 km WSW | Camooweal (Qld) | SF53/04 | 20 02 | 137 03 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82 |
| 80228 | Georgina Downs   | 150 km SSW | Camooweal (Qld) | SF53/8  | 21 10 | 137 40 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/78 |
| 20041 | Winslade         | 18 km WSW  | Canberra        | SI55/16 | 35 20 | 148 58 | Oct/72 | 500  | <i>Onthophagus bubalus</i>       |    | Not found    |
| 20041 | Winslade         | 18 km WSW  | Canberra        | SI55/15 | 35 20 | 148 58 | Nov/72 | 304  | <i>Hister cruentus</i>           |    | Not found    |
| 20041 | Winslade         | 18 km WSW  | Canberra        | SI55/16 | 35 20 | 148 58 | Jan/73 | 50   | <i>Hister cruentus</i>           |    | Not found    |
| 20340 | Brindabella Stn  | 40 km W    | Canberra        | SI55/16 | 35 21 | 148 48 | Feb/76 | 500  | <i>Onthophagus taurus</i>        | 1  |              |
| 30046 | Lockiel Park     | 6 km N     | Cann River      | SJ55/8  | 37 31 | 149 09 | Feb/82 | 1000 | <i>Onthophagus taurus</i>        |    |              |
| 20563 | Killarney        | 12 km WSW  | Canoowindra     | SI55/08 | 33 36 | 148 34 | Nov/79 | 900  | <i>Onthophagus taurus</i>        | 4  |              |
| 20563 | Killarney        | 12 km WSW  | Canoowindra     | SI55/08 | 33 36 | 148 34 | Dec/79 | 1850 | <i>Onthophagus taurus</i>        | 4  |              |
| 20563 | Killarney        | 12 km WSW  | Canoowindra     | SI55/08 | 33 36 | 148 34 | Nov/79 | 861  | <i>Euoniticellus fulvus</i>      | 5  |              |
| 20563 | Killarney        | 12 km WSW  | Canoowindra     | SI55/08 | 33 36 | 148 34 | Feb/80 | 1025 | <i>Euoniticellus fulvus</i>      | 5  |              |
| 20563 | Killarney        | 12 km WSW  | Canoowindra     | SI55/08 | 33 36 | 148 34 | Dec/79 | 1211 | <i>Euoniticellus fulvus</i>      | 5  |              |
| 20570 | Glenorine        | 14 km S    | Canoowindra     | SI55/08 | 33 40 | 148 39 | Jan/80 | 600  | <i>Onthophagus taurus</i>        | 4  |              |
| 20570 | Glenorine        | 14 km S    | Canoowindra     | SI55/08 | 33 40 | 148 39 | Dec/79 | 1500 | <i>Onthophagus taurus</i>        | 4  |              |
| 20570 | Glendrine        | 14 km S    | Canoowindra     | SI55/08 | 33 40 | 148 39 | Dec/79 | 1049 | <i>Euoniticellus fulvus</i>      | 5  |              |
| 20570 | Glendrine        | 14 km S    | Canoowindra     | SI55/08 | 33 40 | 148 39 | Jan/80 | 1550 | <i>Euoniticellus fulvus</i>      | 5  |              |
| 20586 | Recovery Area    | 25 km N    | Canoowindra     | SI55/08 | 33 23 | 148 40 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/80 |
| 20592 | Recovery Area    | 10 km NE   | Canoowindra     | SI55/08 | 33 30 | 143 43 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/80 |
| 60173 | Recovery Area    | 8 km S     | Cape Bertholet  | SE51/6  | 17 20 | 122 10 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/77 |
| 80098 | Recovery Area    | 8 km W     | Cape Crawford   | SE53/3  | 16 37 | 135 47 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73 |
| 80146 | Recovery Area    | 14 km NW   | Cape Crawford   | SE53/3  | 16 34 | 135 41 |        |      | <i>Onthophagus gazella</i>       | GP | Found Nov/75 |
| 80152 | Recovery Area    | 14 km SW   | Cape Crawford   | SE53/3  | 16 47 | 135 45 |        |      | <i>Onthophagus gazella</i>       | GP | Found Apr/76 |
| 60185 | Yates (Mr S.J.)  | 12 km SE   | Capel           | SI50/6  | 33 36 | 115 40 | Feb/79 | 500  | <i>Onthophagus binodis</i>       | WR |              |
| 60246 | Carter (Mr N.S.) | 14 km S    | Capel           | SI50/6  | 33 30 | 115 34 | Feb/79 | 900  | <i>Onthophagus binodis</i>       | WR |              |
| 60247 | River Vale       | 3 km N     | Capel           | SI50/6  | 33 32 | 115 33 | Feb/79 | 900  | <i>Onthophagus binodis</i>       | WR |              |
| 60248 | Valliere         | 9 km SW    | Capel           | SI50/6  | 33 36 | 115 30 | Feb/79 | 900  | <i>Onthophagus binodis</i>       | WR |              |
| 40080 | (Road Release)   | km         | Capella         | SF55/15 | 23 6  | 148 0  | Oct/73 | 500  | <i>Onthophagus gazella</i>       | GP |              |
| 40154 | (Road Release)   | 6 km WNW   | Capella         | SF55/15 | 23 4  | 147 57 |        |      | <i>Onthophagus gazella</i>       | GP | Found Apr/75 |
| 40154 | (Road Release)   | 6 km WNW   | Capella         | SF55/15 | 23 4  | 147 57 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> | GP | Not found    |
| 40226 | Mayfair          | 58 km NE   | Capella         | SF55/11 | 22 42 | 148 24 | Jan/71 | 1000 | <i>Onthophagus gazella</i>       | T  |              |



|       |                 |            |                   |         |       |        |        |     |                                  |    |                  |  |
|-------|-----------------|------------|-------------------|---------|-------|--------|--------|-----|----------------------------------|----|------------------|--|
| 40580 | Peak Downs      | 15 km N    | Capella           | SF55/11 | 22 56 | 148 01 | Feb/80 | 720 | <i>Onitits westermanni</i>       |    |                  |  |
| 40580 | Peak Downs      | 15 km N    | Capella           | SF55/11 | 22 56 | 148 01 | Mar/80 | 206 | <i>Onitits westermanni</i>       |    |                  |  |
| 40628 | Recovery Area   | 21 km NW   | Capella           | SF55/15 | 23 00 | 147 51 |        |     | <i>Onthophagus gazella</i>       | T  | Found Feb/82     |  |
| 40628 | Recovery Area   | 21 km NW   | Capella           | SF55/15 | 23 00 | 147 51 |        |     | <i>Onthophagus gazella</i>       | GP | Found Feb/82     |  |
| 40628 | Recovery Area   | 21 km NW   | Capella           | SF55/15 | 23 00 | 147 51 |        |     | <i>Euonititellus intermedius</i> | C  | Found Feb/82     |  |
| 20068 | Beechborough    | 27 km S    | Captains Flat     | SH55/16 | 35 40 | 149 23 | Feb/73 | 500 | <i>Onthophagus gazella</i>       | WR | Not found        |  |
| 60034 | Noingara        | 60 km WSW  | Carnamah          | SH50/5  | 29 50 | 115 16 | Aug/73 | 500 | <i>Onthophagus binodis</i>       | C  | Found Dec/78     |  |
| 60034 | Noingara        | 60 km WSW  | Carnamah          | SH50/5  | 29 50 | 115 16 | Aug/73 | 300 | <i>Onitits alexis</i>            |    | Not found        |  |
| 60067 | Glenfield       | 26 km SSE  | Carnamah          | SH50/6  | 29 56 | 115 59 | Jan/75 | 500 | <i>Euonititellus intermedius</i> |    | Not found        |  |
| 60068 | Bohill          | 2 km E     | Carnamah          | SH50/6  | 29 41 | 115 55 | Jan/75 | 500 | <i>Euonititellus intermedius</i> |    | Not found        |  |
| 60069 | Ilyarri         | 40 km NNW  | Carnamah          | SH50/6  | 29 22 | 115 41 | Jan/75 | 500 | <i>Euonititellus intermedius</i> |    | Not found        |  |
| 60070 | Victoria 6459   | 50 km Se   | Carnamah          | SH50/6  | 29 48 | 116 22 | Jan/75 | 500 | <i>Euonititellus intermedius</i> |    | Not found        |  |
| 60071 | Cornfields P.C. | 75 km SE   | Carnamah          | SH50/10 | 30 0  | 116 34 | Jan/75 | 500 | <i>Euonititellus intermedius</i> |    | Not found        |  |
| 60020 | Brickhouse Stn  | 15 km ENE  | Carnarvon         | SG49/4  | 24 49 | 113 47 | Apr/71 | 500 | <i>Onthophagus gazella</i>       | T  | Not found        |  |
| 60020 | Brickhouse Stn  | 15 km ENE  | Carnarvon         | SG49/4  | 24 49 | 113 47 | Jun/73 | 300 | <i>Onitits alexis</i>            | C  |                  |  |
| 60020 | Brickhouse Stn  | 15 km ENE  | Carnarvon         | SG49/4  | 24 49 | 113 47 | Feb/73 | 500 | <i>Euonititellus intermedius</i> |    |                  |  |
| 60046 | Dalgety Downs   | 260 km ESE | Carnarvon         | SG50/6  | 25 17 | 116 12 | Nov/73 | 500 | <i>Euonititellus intermedius</i> |    |                  |  |
| 60093 | Bibbawarra Bore | 10 km N    | Carnarvon         | SG49/4  | 24 49 | 113 34 | Apr/71 | 500 | <i>Onthophagus gazella</i>       | T  |                  |  |
| 60131 | Recovery Area   | 24 km WNW  | Carnegie          | SG51/7  | 25 46 | 122 46 |        |     | <i>Euonititellus intermedius</i> |    | Found Nov/76     |  |
| 60132 | Recovery Area   | 12 km S    | Carnegie          | SG51/7  | 25 55 | 122 59 |        |     | <i>Euonititellus intermedius</i> |    | Found Nov/76     |  |
| 60133 | Recovery Area   | 30 km W    | Carnegie          | SG51/6  | 25 46 | 122 40 |        |     | <i>Euonititellus intermedius</i> |    | Found Nov/76     |  |
| 60134 | Recovery Area   | 60 km SW   | Carnegie          | SG51/6  | 25 55 | 122 26 |        |     | <i>Euonititellus intermedius</i> |    | Found Nov/76     |  |
| 60111 | Recovery Area   | 49 km E    | Carson Escarpment | SD52/9  | 15 1  | 127 16 |        |     | <i>Onthophagus gazella</i>       | GP | Found Aug/75     |  |
| 20019 | Clovass         | 8 km E     | Casino            | SH56/2  | 28 50 | 153 5  | Sep/72 | 589 | <i>Onthophagus gazella</i>       | C  | Found Feb/81     |  |
| 20019 | Clovass         | 8 km E     | Casino            | SH56/2  | 28 50 | 153 5  |        |     | <i>Onthophagus binodis</i>       | SR | Not found Mar/81 |  |
| 20019 | Clovass         | 8 km E     | Casino            | SH56/2  | 28 50 | 153 5  |        |     | <i>Hister nomas</i>              |    | Found Mar/81     |  |
| 20019 | Clovass         | 8 km E     | Casino            | SH56/22 | 28 50 | 153 5  |        |     | <i>Euonititellus intermedius</i> |    | Found Feb/81     |  |
| 20020 | Barragunda      | 29 km SSW  | Casino            | SH56/6  | 29 6  | 152 58 | Sep/72 | 518 | <i>Euonititellus intermedius</i> | C  | Not found        |  |
| 20090 | Tara            | 48 km W    | Casino            | SH56/2  | 28 53 | 152 33 | May/73 | 300 | <i>Onthophagus gazella</i>       | C  | Found Mar/81     |  |
| 20090 | Tara            | 48 km W    | Casino            | SH56/2  | 28 53 | 152 33 |        |     | <i>Onitits alexis</i>            | C  | Not found Mar/81 |  |
| 20090 | Tara            | 48 km W    | Casino            | SH56/2  | 28 53 | 152 33 |        |     | <i>Hister nomas</i>              |    | Found Mar/81     |  |
| 20090 | Tara            | 48 km W    | Casino            | SH56/2  | 28 53 | 152 33 |        |     | <i>Euonititellus intermedius</i> |    | Found Mar/81     |  |
| 20090 | Tara            | 48 km W    | Casino            | SH56/2  | 28 53 | 152 33 |        |     | <i>Euonititellus intermedius</i> |    | Found Mar/81     |  |
| 20630 | Recovery Area   | 30 km S    | Casino            | SH56/07 | 29 05 | 153 00 |        |     | <i>Euonititellus intermedius</i> |    | Found Feb/81     |  |
| 20195 | (Road Release)  | 9 km W     | Cassilis          | SH55/16 | 31 59 | 149 54 | Feb/75 | 260 | <i>Euonititellus africanus</i>   |    | Found Jun/79     |  |
| 20195 | (Road Release)  | 9 km W     | Cassilis          | SH55/16 | 31 59 | 149 54 | Feb/75 | 740 | <i>Euonititellus intermedius</i> |    | Found Jun/79     |  |
| 30006 | Summer Hill     | 28 km E    | Castlemaine       | SJ55/5  | 37 5  | 144 28 | Oct/72 | 300 | <i>Onitits alexis</i>            | C  | Found Feb/81     |  |
| 40571 | Recovery Area   | 3 km N     | Cecil Plains      | SG56/13 | 27 31 | 151 12 |        |     | <i>Onthophagus gazella</i>       | C  | Found Aug/74     |  |
| 40571 | Recovery Area   | 3 km N     | Cecil Plains      | SG56/13 | 27 31 | 151 12 |        |     | <i>Euonititellus intermedius</i> |    | Found Feb/81     |  |
| 20616 | Recovery Area   | 34 km S    | Cessnock          | SI56/01 | 32 58 | 151 07 |        |     | <i>Hister nomas</i>              |    | Found Feb/81     |  |
| 20616 | Recovery Area   | 34 km S    | Cessnock          | SI56/01 | 32 58 | 151 07 |        |     | <i>Euonititellus intermedius</i> |    | Found Feb/81     |  |
| 40363 | Recovery Area   | 90 km WSW  | Charelville       | SG55/9  | 26 40 | 145 28 |        |     | <i>Euonititellus intermedius</i> |    | Found Aug/74     |  |
| 40006 | Arabella        | 20 km E    | Charleville       | S55/10  | 26 25 | 146 27 | Jan/72 | 530 | <i>Euonititellus intermedius</i> |    | Found Feb/75     |  |

| Index | Property        | Location   | Town            | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status       |
|-------|-----------------|------------|-----------------|---------|-------|--------|--------|------|----------------------------------|----|--------------|
| 40338 | Recovery Area   | 70 km E    | Charleville     | SG55/10 | 26 24 | 146 48 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74 |
| 40362 | Recovery Area   | 50 km SW   | Charleville     | SG55/10 | 26 38 | 145 49 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74 |
| 40364 | Recovery Area   | 40 km NW   | Charleville     | SG55/10 | 26 10 | 145 54 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74 |
| 40365 | Rocksville      | 30 km NW   | Charleville     | SG55/10 | 26 13 | 145 57 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74 |
| 40366 | Langlo Crossing | 75 km NW   | Charleville     | SG55/10 | 26 7  | 145 40 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74 |
| 40367 | Recovery Area   | 20 km SSW  | Charleville     | SG55/10 | 26 31 | 146 12 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74 |
| 40368 | Recovery Area   | 100 km SSW | Charleville     | SG55/14 | 27 10 | 146 8  |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74 |
| 40495 | Recovery Area   | km         | Charleville     | SG55/10 | 26 24 | 146 14 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/73 |
| 40674 | Recovery Area   | 80 km SSW  | Charleville     | SG55/10 | 26 59 | 146 2  |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82 |
| 40713 | Recovery Area   | 32 km SSW  | Charleville     | SG55/10 | 26 39 | 146 09 |        |      | <i>Onitis alexis</i>             | T  | Found Apr/82 |
| 40713 | Recovery Area   | 32 km SSW  | Charleville     | SG55/10 | 26 39 | 146 09 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82 |
| 40713 | Recovery Area   | 32 km SSW  | Charleville     | SG55/10 | 26 39 | 146 89 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82 |
| 40714 | Recovery Area   | 108 km SSW | Charleville     | SG55/14 | 27 16 | 145 57 |        |      | <i>Onitis alexis</i>             | T  | Found Apr/82 |
| 40714 | Recovery Area   | 108 km SSW | Charleville     | SG55/14 | 27 16 | 145 57 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82 |
| 40074 | (Road Release)  | km         | Charters Towers | SF55/2  | 20 5  | 146 15 | Oct/73 | 500  | <i>Onthophagus gazella</i>       | GP |              |
| 40075 | (Road Release)  | 100 km NW  | Charters Towers | SE55/14 | 19 32 | 145 45 | Oct/73 | 500  | <i>Onthophagus gazella</i>       | GP |              |
| 40076 | (Road Release)  | 180 km NW  | Charters Towers | SE55/13 | 19 3  | 145 7  | Oct/73 | 500  | <i>Onthophagus gazella</i>       | GP |              |
| 40124 | (Road Release)  | 10 km N    | Charters Towers | SE55/14 | 19 58 | 146 14 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/75 |
| 40125 | (Road Release)  | 42 km NE   | Charters Towers | SE55/14 | 19 49 | 146 3  | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |              |
| 40125 | (Road Release)  | 10 km N    | Charters Towers | SE55/14 | 19 58 | 146 14 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Apr/75 |
| 40126 | (Road Release)  | 58 km WSW  | Charters Towers | SF55/2  | 20 15 | 145 49 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |              |
| 40136 | (Road Release)  | 45 km S    | Charters Towers | SF55/2  | 20 27 | 146 14 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |              |
| 40137 | (Road Release)  | 87 km S    | Charters Towers | SF55/2  | 20 48 | 146 20 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |              |
| 40143 | (Road Release)  | 22 km NE   | Charters Towers | SF55/2  | 20 0  | 146 27 | Apr/74 | 500  | <i>Onitis alexis</i>             | T  | Not found    |
| 40143 | (Road Release)  | 22 km NE   | Charters Towers | SF55/2  | 20 0  | 146 27 |        |      | <i>Onthophagus gazella</i>       | GP | Found Apr/75 |
| 40143 | (Road Release)  | 22 km NE   | Charters Towers | SF55/2  | 20 0  | 146 27 |        |      | <i>Liatongus militaris</i>       |    | Found Apr/75 |
| 40143 | (Road Release)  | 22 km NE   | Charters Towers | SF55/2  | 20 0  | 146 27 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Apr/75 |
| 40206 | Eumara Springs  | 55 km NW   | Charters Towers | SE55/14 | 19 43 | 145 54 | Feb/70 | 1000 | <i>Onthophagus gazella</i>       | T  | Found Feb/75 |
| 40237 | Niall           | 130 km NW  | Charters Towers | SE55/13 | 19 26 | 145 14 | Jan/71 | 1200 | <i>Onthophagus gazella</i>       | T  | Found Feb/75 |
| 40575 | Recovery Area   | 10 km E    | Cheepie         | SG55/9  | 26 38 | 145 06 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jun/79 |
| 40022 | Rose Hill       | 3 km S     | Childers        | SG56/6  | 25 16 | 152 15 | Nov/72 | 300  | <i>Sisyphus spinipes</i>         |    | Found Nov/76 |
| 40022 | Rose Hill       | 3 km S     | Childers        | SG56/6  | 25 16 | 152 15 |        |      | <i>Onthophagus gazella</i>       |    | Fund Nov/76  |
| 40022 | Rose Hill       | 3 km S     | Childers        | SG56/6  | 25 16 | 152 15 |        |      | <i>Euoniticellus intermedius</i> | GP | Found Nov/76 |
| 40022 | Rose Hill       | 3 km S     | Childers        | SG56/6  | 25 16 | 152 15 |        |      | <i>Onitis alexis</i>             | C  | Not found    |
| 40164 | Moore (Mr P.) 1 | 5 km S     | Childers        | SG56/6  | 25 16 | 152 15 | Apr/75 | 500  | <i>Onitis alexis</i>             | C  |              |
| 40164 | Moore (Mr P.) 1 | 5 km S     | Childers        | SG56/6  | 25 19 | 152 15 | Apr/74 | 500  | <i>Onthophagus gazella</i>       | C  |              |
| 40165 | Moore (Mr P.) 2 | 1 km E     | Childers        | SG56/6  | 25 19 | 152 15 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |              |
| 40165 | Moore (Mr P.) 2 | 1 km E     | Childers        | SG56/6  | 25 13 | 152 16 | Apr/74 | 500  | <i>Onthophagus gazella</i>       | C  |              |
| 40165 | Moore (Mr P.) 2 | 1 km E     | Childers        | SG56/6  | 25 13 | 152 16 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |              |
| 40166 | Moore (Mr P.) 3 | 1 km W     | Childers        | SG56/6  | 25 14 | 152 17 | Apr/74 | 500  | <i>Onthophagus gazella</i>       | C  |              |
| 40166 | Moore (Mr P.) 3 | 1 km W     | Childers        | SG56/6  | 25 14 | 152 17 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |              |

|       |                |            |            |         |       |        |                                  |    |              |
|-------|----------------|------------|------------|---------|-------|--------|----------------------------------|----|--------------|
| 40452 | Childer's Rd   | 15 km ESE  | Childers   | SG56/6  | 25 28 | 152 23 | <i>Sisyphus spinipes</i>         | GP | Found Nov/76 |
| 40452 | Childer's Rd   | 15 km ESE  | Childers   | SG56/6  | 25 12 | 152 13 | <i>Onthophagus gazella</i>       | GP | Found Nov/76 |
| 40452 | Childer's Rd   | 15 km ESE  | Childers   | SG56/6  | 25 28 | 152 23 | <i>Euoniticellus intermedius</i> |    | Found Nov/76 |
| 40453 | Recovery Area  | 7 km NNW   | Childers   | SG56/6  | 25 12 | 152 13 | <i>Sisyphus spinipes</i>         |    | Found Nov/76 |
| 40453 | Recovery Area  | 7 km NNW   | Childers   | SG56/6  | 25 12 | 152 13 | <i>Euoniticellus intermedius</i> | GP | Found Nov/76 |
| 40453 | Recovery Area  | 7 km NNW   | Childers   | SG56/6  | 25 12 | 152 13 | <i>Onthophagus gazella</i>       |    | Found Nov/76 |
| 40616 | Isis Highway   | 7 km SE    | Childers   | SG56/06 | 25 16 | 152 19 | <i>Onitis alexis</i>             |    | Found Feb/82 |
| 40616 | Isis Highway   | 7 km SW    | Childers   | SG56/06 | 25 16 | 152 19 | <i>Liatongus militaris</i>       |    | Found Feb/82 |
| 40617 | Bruce Highway  | 16 km SE   | Childers   | SG56/06 | 25 18 | 152 23 | <i>Onthophagus gazella</i>       | C  | Found Feb/82 |
| 40617 | Bruce Highway  | 16 km SE   | Childers   | SG56/06 | 25 18 | 152 23 | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 40662 | Recovery Area  | 5 km E     | Chinchilla | SG56/09 | 26 44 | 150 40 | <i>Onthophagus gazella</i>       | T  | Found Feb/82 |
| 40662 | Recovery Area  | 5 km E     | Chinchilla | SG56/09 | 26 44 | 150 40 | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 40663 | Recovery Area  | 51 km E    | Chinchilla | SG56/09 | 26 39 | 151 04 | <i>Onthophagus gazella</i>       | T  | Found Feb/82 |
| 40663 | Recovery Area  | 51 km E    | Chinchilla | SG56/09 | 26 39 | 151 04 | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 40663 | Recovery Area  | 51 km E    | Chinchilla | SG56/09 | 26 39 | 151 04 | <i>Onitis alexis</i>             | T  | Found Feb/82 |
| 40681 | Recovery Area  | 51 km E    | Chinchilla | SG56/09 | 26 39 | 151 04 | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 40079 | Recovery Area  | 10 km W    | Chinchilla | SG56/9  | 26 43 | 150 33 | <i>Onthophagus gazella</i>       | C  | Found Mar/82 |
| 40079 | (Road Release) | km         | Clermont   | SG55/11 | 22 48 | 147 36 | <i>Onthophagus gazella</i>       | GP | Found Feb/82 |
| 40079 | (Road Release) | km         | Clermont   | SF55/11 | 22 48 | 147 36 | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 40116 | Westlake       | 30 km SE   | Clermont   | SF55/11 | 22 58 | 147 49 | <i>Euoniticellus intermedius</i> | GP | Found Apr/75 |
| 40152 | (Road Release) | 45 km NE   | Clermont   | SF55/11 | 22 30 | 147 55 | <i>Onthophagus gazella</i>       |    | Found Apr/75 |
| 40152 | (Road Release) | 45 km NE   | Clermont   | SF55/11 | 22 30 | 147 55 | <i>Euoniticellus intermedius</i> | GP | Found Apr/75 |
| 40153 | (Road Release) | 2 km S     | Clermont   | SF55/11 | 22 50 | 147 40 | <i>Onthophagus gazella</i>       |    | Found Apr/75 |
| 40153 | (Road Release) | 2 km S     | Clermont   | SF55/11 | 22 50 | 147 40 | <i>Sisyphus rubrus</i>           |    | Found Apr/75 |
| 40153 | (Road Release) | 2 km S     | Clermont   | SF55/15 | 23 3  | 147 29 | <i>Euoniticellus intermedius</i> | T  | Found Feb/75 |
| 40224 | Kilmarnock     | 41 km SW   | Clermont   | SF55/11 | 22 23 | 147 32 | <i>Onthophagus gazella</i>       |    | Found Feb/75 |
| 40225 | Kilmacolm      | 50 km NNW  | Clermont   | SF55/11 | 22 45 | 147 39 | <i>Onthophagus gazella</i>       | GP | Found Feb/82 |
| 40629 | Recovery Area  | 7 km N     | Clermont   | SF55/11 | 22 45 | 147 39 | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 40629 | Recovery Area  | 7 km N     | Clermont   | SF55/11 | 22 52 | 147 23 | <i>Onthophagus gazella</i>       | T  | Found Feb/82 |
| 40630 | Recovery Area  | 27 km WSW  | Clermont   | SF55/11 | 22 52 | 147 23 | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 40630 | Recovery Area  | 27 km WSW  | Clermont   | SF55/11 | 22 52 | 147 15 | <i>Onthophagus gazella</i>       | T  | Found Feb/82 |
| 40631 | Recovery Area  | 60 km WSW  | Clermont   | SF55/11 | 22 52 | 147 15 | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 40631 | Recovery Area  | 60 km WSW  | Clermont   | SF55/11 | 22 22 | 147 58 | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 40632 | Logan Creek    | 90 km NNE  | Clermont   | SF55/11 | 22 35 | 147 31 | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 40650 | Recovery Area  | 37 km NW   | Clermont   | SF55/11 | 19 29 | 140 56 | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 40035 | Canobie        | 145 km NNE | Cloncurry  | SE54/14 | 20 5  | 140 22 | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 40037 | Granada        | 72 km NNW  | Cloncurry  | SF54/2  | 19 43 | 140 35 | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 40038 | Alcala         | 110 km N   | Cloncurry  | SE54/14 | 21 59 | 140 18 | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 40050 | Chatsworth     | 145 km SSW | Cloncurry  | SF54/6  | 20 42 | 140 31 | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 40216 | Slaughteryards | km         | Cloncurry  | SF54/2  | 31 33 | 146 2  | <i>Onthophagus gazella</i>       | T  | Found Feb/75 |
| 20289 | (Road Release) | 20 km E    | Cobar      | SH55/14 | 31 33 | 146 2  | <i>Euoniticellus africanus</i>   |    |              |
| 20289 | (Road Release) | 20 km E    | Cobar      | SH55/14 | 31 33 | 146 2  | <i>Euoniticellus intermedius</i> |    |              |
| 20395 | Recovery Area  | km         | Cobar      | S55/14  | 31 30 | 145 50 | <i>Euoniticellus intermedius</i> |    | Found Jul/76 |

| Index | Property        | Location   | Town                | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|-----------------|------------|---------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20396 | Recovery Area   | 24 km W    | Cobar               | SH55/14 | 31 32 | 145 38 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jul/76     |
| 20414 | Recovery Area   | 100 km W   | Cobar               | SH55/13 | 31 34 | 144 52 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 20844 | Quaama          | 12 km S    | Cobargo             | SJ55/04 | 36 30 | 149 53 | Jan/81 | 1000 | <i>Onitis alexis</i>             | C  |                  |
| 20845 | Township        |            | Cobargo             | SJ55/04 | 36 24 | 149 53 | Jan/81 | 1000 | <i>Onitis alexis</i>             | C  |                  |
| 20846 | Wandallow       | 12 km NW   | Cobargo             | SJ55/04 | 36 21 | 149 50 | Jan/81 | 2000 | <i>Onitis alexis</i>             | C  |                  |
| 20847 | Dignams Creek   | 15 km ENE  | Cobargo             | SJ55/04 | 36 26 | 149 50 | Jan/81 | 1000 | <i>Onitis alexis</i>             | C  |                  |
| 20848 | Southams Creek  | 15 km NE   | Cobargo             | SJ55/04 | 36 27 | 149 49 | Jan/81 | 1000 | <i>Onitis alexis</i>             | C  |                  |
| 20501 | Recovery Area   | 5 km W     | Cobbadah            | SH56/9  | 30 14 | 150 32 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jan/77     |
| 80157 | Smith Point     | km         | Cobourg Peninsula   | SC53/13 | 11 7  | 132 8  |        |      | <i>Onthophagus gazella</i>       | GP | Found Feb/77     |
| 80158 | Black Point     | km         | Cobourg Peninsula   | SC53/13 | 11 9  | 132 9  |        |      | <i>Onthophagus gazella</i>       | GP | Found Feb/77     |
| 40485 | Recovery Area   | km         | Coen                | SD54/8  | 13 57 | 143 12 |        |      | <i>Onthophagus gazella</i>       | GP | Found Oct/76     |
| 40217 | Lilyvale        | 80 km SSE  | Coen Cap3 York Pen. | SD54/12 | 14 29 | 143 40 | Apr/70 | 900  | <i>Onthophagus gazella</i>       | T  | Found Feb/75     |
| 40094 | Silver Plains   | 40 km E    | Coen Cape York Pen. | SD54/8  | 13 59 | 143 33 | Dec/73 | 500  | <i>Onthophagus gazella</i>       | GP | Found Oct/76     |
| 40094 | Silver Plains   | 40 km E    | Coen Cape York Pen. | SD54/8  | 13 59 | 143 33 | Mar/69 | 615  | <i>Onthophagus sagittarius</i>   |    | Found Oct/76     |
| 40094 | Silver Plains   | 40 km E    | Coen Cape York Pen. | SD54/8  | 13 59 | 143 33 | Mar/69 | 5056 | <i>Onthophagus gazella</i>       | T  | Found Oct/76     |
| 40094 | Silver Plains   | 40 km E    | Coen Cape York Pen. | SD54/8  | 13 59 | 143 33 | Mar/69 | 1204 | <i>Liatongus militaris</i>       |    | Found Oct/76     |
| 40094 | Silver Plains   | 40 km E    | Coen Cape York Pen. | SD54/8  | 13 59 | 143 33 | Mar/69 | 137  | <i>Hister caffer</i>             |    | Not found        |
| 40217 | Lilyvale        | 80 km SSE  | Coen Cape York Pen. | SD54/12 | 14 29 | 143 40 | Apr/70 | 163  | <i>Euoniticellus intermedius</i> |    |                  |
| 40502 | Musgrave        | 100 km SSE | Coen Cape York Pen. | SD54/12 | 14 47 | 143 29 |        |      | <i>Liatongus militaris</i>       |    |                  |
| 40506 | Lankelly Creek  | 3 km N     | Coen Cape York Pen. | SD54/8  | 13 55 | 143 11 |        |      | <i>Onthophagus gazella</i>       | GP | Found Oct/74     |
| 40507 | Yarraen         | 44 km SSW  | Coen Cape York Pen. | SD54/12 | 14 19 | 143 17 |        |      | <i>Onthophagus gazella</i>       | GP | Found May/75     |
| 40508 | Recovery Area   | 100 km NNW | Coen Cape York Pen. | SD54/8  | 13 14 | 142 49 |        |      | <i>Onthophagus gazella</i>       | GP | Found Jun/75     |
| 40515 | Stewart River   | 7 km SE    | Coen Cape York Pen. | SD54/8  | 13 59 | 143 14 |        |      | <i>Onthophagus gazella</i>       | GP | Found Jun/75     |
| 40517 | Recovery Area   | 100 km SSE | Coen Cape York Pen. | SD54/12 | 14 43 | 143 29 |        |      | <i>Onthophagus gazella</i>       | GP | Found Jul/75     |
| 20064 | Rivervale       | 17 km SSW  | Coffs Harbour       | SH56/11 | 30 26 | 153 3  | Jan/74 | 500  | <i>Onthophagus gazella</i>       | C  | Found Jun/76     |
| 20064 | Rivervale       | 17 km SSW  | Coffs Harbour       | SH56/11 | 30 26 | 153 3  | Jan/73 | 500  | <i>Onthophagus gazella</i>       | C  | Found Dec/78     |
| 20064 | Rivervale       | 17 km SSW  | Coffs Harbour       | SH56/11 | 30 26 | 153 3  |        |      | <i>Hister nomias</i>             |    | Found Dec/78     |
| 20265 | Aghadreena      | 19 km S    | Coffs Harbour       | SH56/11 | 30 20 | 153 0  | May/70 | 380  | <i>Hister nomias</i>             |    |                  |
| 20360 | (Road Release)  | 11 km S    | Coffs Harbour       | SH56/11 | 30 23 | 153 2  | Feb/77 | 1500 | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20360 | (Road Release)  | 11 km S    | Coffs Harbour       | SH56/11 | 30 23 | 153 2  |        |      | <i>Hister nomias</i>             |    | Found Feb/77     |
| 20360 | (Road Release)  | 11 km S    | Coffs Harbour       | SH56/11 | 30 23 | 153 2  |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20420 | Raleigh         | 23 km SSW  | Coffs Harbour       | SH56/11 | 30 27 | 153 1  |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20420 | Raleigh         | 23 km SSW  | Coffs Harbour       | SH56/11 | 30 27 | 153 1  |        |      | <i>Hister nomias</i>             |    | Found Dec/76     |
| 20527 | Recovery Area   | 16 km S    | Coffs Harbour       | SH56/11 | 30 26 | 153 06 |        |      | <i>Hister nomias</i>             |    | Found Dec/78     |
| 20587 | Recovery Area   | 10 km N    | Coffs Harbour       | SH56/11 | 30 13 | 153 08 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/80     |
| 20587 | Recovery Area   | 10 km N    | Coffs Harbour       | SH56/11 | 30 13 | 153 08 |        |      | <i>Hister nomias</i>             |    | Found Feb/80     |
| 20588 | Sth Valla Turn. | 28 km S    | Coffs Harbour       | SH56/11 | 30 30 | 153 01 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/80     |
| 30007 | Araluen         | 24 km E    | Colac (Birregurra)  | SJ54/12 | 38 20 | 143 47 | Oct/72 | 500  | <i>Onthophagus gazella</i>       | C  | Found Feb/80     |
| 20081 | Willowvale      | 24 km S    | Coleambally         | SI55/14 | 35 0  | 145 50 | Mar/73 | 500  | <i>Euoniticellus intermedius</i> |    | Not found Oct/80 |

|       |                 |           |              |         |       |        |        |      |                                  |    |                  |
|-------|-----------------|-----------|--------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 30004 | Willaroo        | 16 km NNW | Coleraine    | SJ54/7  | 37 29 | 141 38 | Sep/72 | 550  | <i>Onthophagus gazella</i>       | C  | Not found Mar/81 |
| 30019 | Nareen          | 27 km NNW | Coleraine    | SJ54/7  | 37 22 | 141 32 | Nov/78 | 500  | <i>Onthophagus taurus</i>        | S  | Not found Mar/81 |
| 30019 | Nareen          | 27 km NNW | Coleraine    | SJ54/7  | 37 22 | 141 32 | Dec/73 | 500  | <i>Onthophagus binodis</i>       | WR | Not found Mar/81 |
| 30019 | Nareen          | 27 km NNW | Coleraine    | SJ54/7  | 37 22 | 141 32 | Nov/78 | 1000 | <i>Onthophagus taurus</i>        | S  | Not found Mar/81 |
| 30019 | Nareen          | 27 km NNW | Coleraine    | SJ54/7  | 37 22 | 141 32 | Jan/79 | 500  | <i>Onthophagus taurus</i>        | S  | Not found Mar/81 |
| 30019 | Nareen          | 27 km NNW | Coleraine    | SJ54/7  | 37 22 | 141 32 | Dec/73 | 500  | <i>Onitis alexis</i>             | C  | Not found Mar/81 |
| 30019 | Nareen          | 27 km NNW | Coleraine    | SJ54/7  | 37 22 | 141 32 | May/73 | 300  | <i>Onitis alexis</i>             | C  | Not found Mar/81 |
| 20682 | Winderadeen     | 3 km S    | Collector    | SJ55/12 | 34 56 | 149 26 | Nov/81 | 580  | <i>Onthophagus nigriveritris</i> | T  | Found Feb/75     |
| 40195 | Havilah         | 35 km S   | Collinsville | SF55/3  | 20 50 | 147 50 | Jan/70 | 1393 | <i>Euoniticellus intermedius</i> | T  | Found Feb/82     |
| 40195 | Havilah         | 35 km S   | Collinsville | SF55/3  | 20 50 | 147 50 |        |      | <i>Onthophagus gazella</i>       | T  | Found Feb/82     |
| 40642 | Recovery Area   | 3 km N    | Collinsville | SF55/03 | 20 31 | 147 49 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 40642 | Recovery Area   | 3 km N    | Collinsville | SF55/03 | 20 31 | 147 49 |        |      | <i>Liatongus militaris</i>       |    | Found Feb/82     |
| 40642 | Recovery Area   | 3 km N    | Collinsville | SF55/03 | 20 31 | 147 49 |        |      | <i>Onthophagus gazella</i>       | C  | Not found Mar/81 |
| 20163 | Lagoon Creek    | 7 km WNW  | Comara       | SH56/10 | 30 45 | 152 24 | Dec/74 | 500  | <i>Onitis aygulus</i>            | SR | Not found Mar/81 |
| 20047 | Mulguthrie      | 26 km ESE | Condobolin   | SJ55/3  | 33 11 | 147 24 | Nov/78 | 250  | <i>Onitis aygulus</i>            | SR | Not found Mar/81 |
| 20047 | Mulguthrie      | 26 km ESE | Condobolin   | SJ55/3  | 33 11 | 147 24 | Apr/77 | 353  | <i>Onitis aygulus</i>            | SR | Not found Mar/81 |
| 20047 | Mulguthrie      | 26 km ESE | Condobolin   | SJ55/3  | 33 11 | 147 24 | Nov/72 | 500  | <i>Onthophagus gazella</i>       | C  | Found Mar/81     |
| 20047 | Mulguthrie      | 26 km ESE | Condobolin   | SJ55/3  | 33 11 | 147 24 | Oct/77 | 300  | <i>Onitis aygulus</i>            | Sr | Not found Mar/81 |
| 20047 | Mulguthrie      | 26 km ESE | Condobolin   | SJ55/3  | 33 11 | 147 24 | Dec/73 | 550  | <i>Euoniticellus intermedius</i> | C  | Found Mar/81     |
| 20173 | Merrilee        | 3 km W    | Condobolin   | SJ55/7  | 33 8  | 147 8  | Jan/75 | 500  | <i>Onthophagus gazella</i>       | C  | Found Nov/79     |
| 20173 | Merrilee        | 3 km W    | Condobolin   | SJ55/7  | 33 8  | 147 8  | Jan/75 | 500  | <i>Euoniticellus intermedius</i> | GP | Found Nov/79     |
| 20397 | Recovery Area   | 30 km ESE | Condobolin   | SJ55/7  | 33 16 | 147 22 |        |      | <i>Onthophagus gazella</i>       | GP | Found Nov/76     |
| 20450 | Recovery Area   | 3 km E    | Condobolin   | SH55/7  | 33 6  | 147 10 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/77     |
| 20451 | Recovery Area   | 14 km E   | Condobolin   | SH55/7  | 33 6  | 147 18 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/77     |
| 20452 | Recovery Area   | 17 km E   | Condobolin   | SH55/7  | 33 8  | 147 20 |        |      | <i>Onthophagus gazella</i>       | GP | Found Feb/77     |
| 20452 | Recovery Area   | 17 km E   | Condobolin   | SH55/7  | 33 8  | 147 20 |        |      | <i>Euoniticellus intermedius</i> | GP | Found Feb/77     |
| 20453 | Recovery Area   | 27 km E   | Condobolin   | SH55/7  | 33 10 | 147 25 |        |      | <i>Onthophagus gazella</i>       | GP | Found Feb/77     |
| 20453 | Recovery Area   | 27 km E   | Condobolin   | SH55/7  | 33 10 | 147 25 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/77     |
| 20454 | Recovery Area   | 40 km E   | Condobolin   | SH55/7  | 33 8  | 147 32 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/77     |
| 20558 | Homesworth      | 24 km N   | Condobolin   | SJ55/3  | 32 57 | 147 10 | Oct/79 | 600  | <i>Onitis aygulus</i>            | SR | Not found Mar/81 |
| 20558 | Homesworth      | 24 km N   | Condobolin   | SJ55/3  | 32 57 | 147 10 | Oct/79 | 512  | <i>Onitis aygulus</i>            | SR | Not found Mar/81 |
| 20558 | Homesworth      | 24 km N   | Condobolin   | SJ55/3  | 32 57 | 147 10 | Sep/79 | 600  | <i>Onitis aygulus</i>            | SR | Not found Mar/81 |
| 20558 | Homesworth      | 24 km N   | Condobolin   | SJ55/3  | 32 57 | 147 10 |        |      | <i>Euoniticellus intermedius</i> |    | Found Sep/79     |
| 20565 | Recovery Area   | 50 km W   | Condobolin   | SJ55/06 | 33 05 | 146 44 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/79     |
| 20667 | Recovery Area   | 15 km W   | Condobolin   | SJ55/07 | 33 07 | 147 00 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20575 | (Road Release)  | km        | Conjola      | SJ56/13 | 35 13 | 150 26 | Jan/80 | 4000 | <i>Onthophagus binodis</i>       | WR |                  |
| 20575 | (Road Release)  | km        | Conjola      | SJ56/13 | 35 13 | 150 26 | Dec/80 | 4500 | <i>Onitis alexis</i>             | C  | Found Oct/76     |
| 40099 | Hazelmere Past. | 40 km WNW | Cooktown     | SD55/13 | 15 23 | 145 3  | Feb/74 | 600  | <i>Onthophagus gazella</i>       | GP | Found Apr/80     |
| 40099 | Hazelmere Past. | 40 km WNW | Cooktown     | SD55/13 | 15 23 | 145 3  | Jan/76 | 500  | <i>Onthophagus obliquus</i>      |    | Found Apr/80     |
| 40099 | Hazelmere Past. | 40 km WNW | Cooktown     | SD55/13 | 15 23 | 145 3  | May/76 | 500  | <i>Onthophagus obliquus</i>      |    | Found Apr/80     |
| 40099 | Hazelmere Past. | 40 km WNW | Cooktown     | SD55/13 | 15 23 | 145 3  |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/80     |
| 40196 | Lakeland Downs  | 60 km SW  | Cooktown     | SD55/13 | 15 50 | 144 51 | Jan/70 | 918  | <i>Onthophagus gazella</i>       | T  | Found Dec/76     |

| Index | Property          | Location   | Town          | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|-------------------|------------|---------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 40196 | Lakeland Downs    | 60 km SW   | Cooktown      | SD55/13 | 15 50 | 144 51 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/76     |
| 40268 | Dixie Station     | 200 km WNW | Cooktown      | SD54/16 | 15 3  | 143 28 | Apr/72 | 392  | <i>Onthophagus gazella</i>       | T  | Found Jul/76     |
| 40498 | Mclvor Crossing   | 40 km NNW  | Cooktown      | SD55/13 | 15 8  | 145 6  |        |      | <i>Onthophagus gazella</i>       | GP | Found Jul/74     |
| 40499 | Shiptons Flat     | 37 km S    | Cooktown      | SD55/13 | 15 47 | 145 15 |        |      | <i>Onthophagus gazella</i>       | GP | Found Jul/76     |
| 40518 | Recovery Ara      | 50 km NNW  | Cooktown      | SD55/13 | 15 15 | 145 8  |        |      | <i>Onthophagus gazella</i>       | GP | Found Jul/76     |
| 40519 | Mt Webb           | 80 km NNW  | Cooktown      | SD55/13 | 15 5  | 145 7  |        |      | <i>Onthophagus gazella</i>       | GP | Found Dec/76     |
| 40528 | Recovery Area     | 40 km SW   | Cooktown      | SD55/13 | 15 41 | 145 10 |        |      | <i>Onthophagus gazella</i>       | GP | Found Dec/76     |
| 40531 | Endeavour P.O.    | 31 km NNW  | Cooktown      | SD55/13 | 15 26 | 145 5  |        |      | <i>Onthophagus gazella</i>       | GP | Found May/77     |
| 20088 | Kanoona           | 19 km SW   | Coolah        | SH55/16 | 31 56 | 149 36 | Apr/73 | 500  | <i>Onthophagus gazella</i>       | C  |                  |
| 20089 | Talbragar         | 16 km SE   | Coolah        | SH55/16 | 31 55 | 149 49 | Apr/73 | 300  | <i>Onitis alexis</i>             | C  |                  |
| 20196 | (Road Release)    | 5 km E     | Coolah        | SH55/16 | 31 50 | 149 45 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    |                  |
| 20196 | (Road Release)    | 5 km E     | Coolah        | SH55/16 | 31 50 | 149 45 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |                  |
| 20197 | (Road Release)    | 19 km SW   | Coolah        | SH55/16 | 31 58 | 149 38 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    |                  |
| 20197 | (Road Release)    | 19 km SW   | Coolah        | SH55/16 | 32 0  | 149 26 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |                  |
| 20543 | Recovery Area     | 2 km S     | Coolah        | SH55/16 | 31 51 | 149 42 |        |      | <i>Euoniticellus africanus</i>   |    | Found Feb/78     |
| 20543 | Recovery Area     | 2 km S     | Coolah        | SH55/16 | 31 51 | 149 42 |        |      | <i>Euoniticellus africanus</i>   |    | Found Feb/78     |
| 20750 | Recovery Area     | 16 km NW   | Coolah        | SH55/16 | 31 42 | 149 40 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20750 | Recovery Area     | 16 km NW   | Coolah        | SH55/16 | 31 42 | 149 40 |        |      | <i>Euoniticellus africanus</i>   |    | Found Feb/82     |
| 20750 | Recovery Area     | 16 km NW   | Coolah        | SH55/16 | 31 42 | 149 40 |        |      | <i>Onitis alexis</i>             | C  | Found Feb/82     |
| 20750 | Recovery Area     | 16 km NW   | Coolah        | SH55/16 | 31 42 | 149 40 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20751 | Recovery Area     | 10 km SE   | Coolah        | SH55/16 | 31 52 | 149 46 |        |      | <i>Euoniticellus africanus</i>   |    | Found Feb/82     |
| 20751 | Recovery Area     | 10 km SE   | Coolah        | SH55/16 | 31 52 | 149 46 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 40043 | Alpine Panoramama | 24 km W    | Coolangatta   | SH56/3  | 28 11 | 153 13 | May/73 | 450  | <i>Onthophagus gazella</i>       | C  | Found Mar/81     |
| 40043 | Alpine Panoramama | 24 km W    | Coolangatta   | SH56/3  | 28 11 | 153 13 | Feb/75 | 500  | <i>Onthophagus binodis</i>       | SR | Not found Mar/81 |
| 40043 | Alpine Panoramama | 24 km W    | Coolangatta   | SH56/3  | 28 11 | 153 13 | Feb/75 | 500  | <i>Onitis vanderkelleni</i>      |    | Not found Mar/81 |
| 40043 | Alpine Panoramama | 24 km W    | Coolangatta   | SH56/3  | 28 11 | 153 13 |        |      | <i>Hister nomas</i>              |    | Found Mar/81     |
| 40273 | Willow Park       | 10 km NW   | Coolangatta   | SH56/3  | 28 11 | 153 13 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 40273 | Willow Park       | 10 km NW   | Coolangatta   | SH56/3  | 28 8  | 153 25 | Dec/70 | 381  | <i>Onthophagus gazella</i>       | T  |                  |
| 40607 | Numinbah Valley   | 36 km E    | Coolangatta   | SG56/03 | 28 8  | 153 25 | Nov/70 | 274  | <i>Hister nomas</i>              |    |                  |
| 40607 | Numinbah Valley   | 36 km E    | Coolangatta   | SH56/03 | 28 08 | 153 13 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/81     |
| 60199 | Brownes Dairy     | 2 km W     | Coolup        | SI50/2  | 32 45 | 115 50 | Feb/79 | 500  | <i>Euoniticellus intermedius</i> | WR | Found Mar/81     |
| 20100 | Cawoola           | 45 km SE   | Coonabarabran | SH55/16 | 31 38 | 149 35 |        |      | <i>Onthophagus binodis</i>       |    | Found May/82     |
| 20100 | Cawoola           | 45 km SE   | Coonabarabran | SH55/16 | 31 38 | 149 35 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20100 | Cawoola           | 45 km SE   | Coonabarabran | SH55/16 | 31 38 | 149 35 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Feb/82     |
| 20280 | (Road Release)    | 4 km S     | Coonabarabran | SH55/16 | 31 19 | 149 18 | Dec/73 | 600  | <i>Onthophagus binodis</i>       |    | Found Feb/82     |
| 20280 | (Road Release)    | 4 km S     | Coonabarabran | SH55/16 | 31 19 | 149 18 | Dec/73 | 400  | <i>Euoniticellus africanus</i>   |    | Found Feb/82     |
| 20541 | Recovery Area     | 5 km E     | Coonabarabran | SH55/16 | 31 19 | 149 18 | Feb/76 | 500  | <i>Onthophagus gazella</i>       | C  | Not found Feb/82 |
| 20541 | Recovery Area     | 5 km E     | Coonabarabran | SH55/16 | 31 19 | 149 18 | Feb/76 | 500  | <i>Onitis alexis</i>             | C  | Found Feb/82     |
| 20541 | Recovery Area     | 5 km E     | Coonabarabran | SH55/16 | 31 15 | 149 18 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/78     |
| 20749 | Coolah Road       | 18 km S    | Coonabarabran | SH55/16 | 31 26 | 149 19 |        |      | <i>Euoniticellus africanus</i>   |    | Found Feb/78     |
| 20749 | Coolah Road       | 18 km S    | Coonabarabran | SH55/16 | 31 26 | 149 19 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |

|       |                   |            |               |         |       |        |        |        |      |                                  |    |                  |
|-------|-------------------|------------|---------------|---------|-------|--------|--------|--------|------|----------------------------------|----|------------------|
| 20749 | Coolah Road       | 18 km S    | Coonabarabran | SH55/16 | 31 26 | 149 19 | 149 19 | Jan/77 | 500  | <i>Onitis alexis</i>             | C  | Found Feb/82     |
| 20006 | Warrana Stud      | 8 km SW    | Coonamble     | SH55/11 | 30 59 | 148 18 | 148 18 | Dec/71 | 512  | <i>Onthophagus gazella</i>       | C  | Found Jan/78     |
| 20006 | Warrana Stud      | 8 km SW    | Coonamble     | SH55/11 | 30 59 | 148 18 | 148 18 | Jan/77 | 500  | <i>Euoniticellus intermedius</i> | C  | Found Jan/77     |
| 20006 | Warrana Stud      | 8 km SW    | Coonamble     | SH55/11 | 30 59 | 148 18 | 148 18 | Jan/77 | 500  | <i>Onitis alexis</i>             | C  |                  |
| 20367 | Cresline Stn      | 37 km NE   | Coonamble     | SH55/12 | 30 42 | 148 35 | 148 35 | Jan/77 | 500  | <i>Onthophagus gazella</i>       | C  | Found Jan/77     |
| 20367 | Cresline Stn      | 37 km NE   | Coonamble     | SH55/12 | 30 42 | 148 35 | 148 35 | Jan/77 | 500  | <i>Euoniticellus intermedius</i> | C  |                  |
| 20368 | E. Coonamble Com. | 1 km E     | Coonamble     | SH55/11 | 30 57 | 148 26 | 148 26 | Jan/77 | 500  | <i>Onthophagus gazella</i>       | C  | Found Jan/77     |
| 20368 | E. Coonamble Com  | 1 km E     | Coonamble     | SH55/11 | 30 57 | 148 26 | 148 26 | Jan/77 | 500  | <i>Euoniticellus intermedius</i> | C  |                  |
| 20368 | E. Coonamble Com  | 1 km E     | Coonamble     | SH55/11 | 30 57 | 148 26 | 148 26 | Jan/77 | 500  | <i>Onitis alexis</i>             | C  |                  |
| 50086 | Koonara           | 2 km E     | Coonawarra    | SH54/06 | 37 18 | 140 50 | 140 50 | Jan/84 | 2000 | <i>Onthophagus taurus</i>        | 1  |                  |
| 50087 | Reschke R.        | 13 km NNE  | Coonawarra    | SJ54/06 | 37 19 | 140 48 | 140 48 | Jan/84 | 2000 | <i>Onthophagus taurus</i>        | 1  |                  |
| 50089 | Wooding P.        | 3 km NE    | Coonawarra    | SJ54/06 | 37 17 | 140 50 | 140 50 | Jan/84 | 2000 | <i>Onthophagus taurus</i>        | 1  |                  |
| 20164 | The Grove         | 8 km SE    | Cootamundra   | SI55/11 | 34 41 | 148 5  | 148 5  | Dec/74 | 500  | <i>Onthophagus gazella</i>       | C  | Not found Nov/80 |
| 20164 | The Grove         | 8 km SE    | Cootamundra   | SI55/11 | 34 41 | 148 5  | 148 5  | Dec/74 | 500  | <i>Euoniticellus africanus</i>   | 1  | Found Feb/81     |
| 20164 | The Grove         | 8 km SE    | Cootamundra   | SI55/11 | 34 41 | 148 5  | 148 5  | Dec/74 | 500  | <i>Euoniticellus pallipes</i>    | 1  | Found Nov/80     |
| 20166 | Birrilee          | 10 km W    | Cootamundra   | SI55/11 | 34 38 | 147 58 | 147 58 | Dec/74 | 500  | <i>Onthophagus gazella</i>       | C  | Not found Nov/80 |
| 20272 | King's Dairy      | 2 km E     | Cootamundra   | SI55/11 | 34 39 | 148 4  | 148 4  | Jan/71 | 485  | <i>Hister romas</i>              | 1  |                  |
| 20376 | (Road Release)    | 2 km W     | Cootamundra   | SI55/11 | 34 38 | 148 1  | 148 1  | Apr/77 | 1700 | <i>Euoniticellus pallipes</i>    | 1  | Not found Nov/80 |
| 20486 | Kanacea           | 8 km SW    | Cootamundra   | SI55/11 | 34 40 | 147 56 | 147 56 | Oct/77 | 750  | <i>Euoniticellus pallipes</i>    | 1  | Found Feb/81     |
| 20486 | Kanacea           | 8 km SW    | Cootamundra   | SI55/11 | 34 40 | 147 56 | 147 56 | Nov/77 | 260  | <i>Euoniticellus pallipes</i>    | 1  | Found Feb/81     |
| 20577 | Gilgal            | 7 km SW    | Cootamundra   | SI55/11 | 34 42 | 147 58 | 147 58 | Feb/80 | 600  | <i>Geotrupes spiniger</i>        | 2  | Not found Feb/81 |
| 20578 | Yallabee          | 16 km SSE  | Cootamundra   | SI55/11 | 34 45 | 148 03 | 148 03 | Jun/80 | 363  | <i>Euoniticellus africanus</i>   | 2  | Found Feb/81     |
| 20578 | Yallabee          | 16 km SSE  | Cootamundra   | SI55/11 | 34 45 | 148 03 | 148 03 | Jun/80 | 363  | <i>Geotrupes spiniger</i>        | 2  | Not found Feb/81 |
| 20578 | Yallabee          | 16 km SSE  | Cootamundra   | SI55/11 | 34 45 | 148 03 | 148 03 | Jun/80 | 363  | <i>Euoniticellus pallipes</i>    | 1  | Found Feb/81     |
| 20578 | Yallabee          | 16 km SSE  | Cootamundra   | SI55/11 | 34 45 | 148 03 | 148 03 | Jun/80 | 363  | <i>Geotrupes spiniger</i>        | 2  | Not found Feb/81 |
| 20578 | Yallabee          | 16 km SSE  | Cootamundra   | SI55/11 | 34 45 | 148 03 | 148 03 | Jun/80 | 363  | <i>Euoniticellus pallipes</i>    | 1  | Found Feb/81     |
| 20670 | Recovery Area     | 11 km NW   | Cootamundra   | SI55/11 | 34 33 | 147 58 | 147 58 | Feb/80 | 500  | <i>Geotrupes spiniger</i>        | 2  | Nof Found Feb/81 |
| 50019 | Moolawatana       | 142 km ENE | Copley        | SH54/6  | 29 55 | 139 44 | 139 44 | Feb/74 | 1000 | <i>Euoniticellus pallipes</i>    | 1  | Found Mar/81     |
| 60141 | Muccan Station    | km.        | Coppins Mill  | SF51/1  | 20 38 | 120 3  | 120 3  | Feb/74 | 1000 | <i>Euoniticellus intermedius</i> | GP | Found Jul/77     |
| 60141 | Muccan Station    | km.        | Coppins Mill  | SF51/1  | 20 38 | 120 3  | 120 3  | Feb/74 | 1000 | <i>Onthophagus gazella</i>       | GP | Found Jul/77     |
| 20605 | Bongeroo          | 8 km W     | Coppins Mill  | SJ55/2  | 36 00 | 146 19 | 146 19 | Dec/80 | 2650 | <i>Onthophagus taurus</i>        | 4  | Found Apr/77     |
| 60174 | Recovery Area     | 3 km S     | Corowa        | SE51/6  | 17 23 | 122 10 | 122 10 | Dec/80 | 2650 | <i>Onthophagus taurus</i>        | 4  |                  |
| 60228 | Brooklyn          | 6 km NE    | Coulomb Point | SI50/5  | 33 50 | 115 08 | 115 08 | Feb/79 | 700  | <i>Onthophagus gazella</i>       | T  |                  |
| 20058 | Rosedale          | 10 km NE   | Cowaramup     | SI55/8  | 33 46 | 148 50 | 148 50 | Jan/73 | 500  | <i>Onthophagus binodis</i>       | WR |                  |
| 20058 | Rosedale          | 10 km NE   | Cowra         | SI55/8  | 33 46 | 148 50 | 148 50 | Jan/73 | 500  | <i>Onthophagus gazella</i>       | C  |                  |
| 20093 | Littledale P.C.   | 29 km NE   | Cowra         | SI55/7  | 33 45 | 148 50 | 148 50 | Jan/73 | 300  | <i>Hister cruentus</i>           | SR |                  |
| 20093 | Littledale P.C.   | 29 km NE   | Cowra         | SI55/7  | 33 45 | 148 50 | 148 50 | Oct/73 | 500  | <i>Onthophagus binodis</i>       | SR |                  |
| 20093 | Littledale P.C.   | 29 km NE   | Cowra         | SI55/7  | 33 45 | 148 50 | 148 50 | Nov/73 | 550  | <i>Euoniticellus africanus</i>   | C  |                  |
| 20093 | Littledale P.C.   | 29 km NE   | Cowra         | SI55/7  | 33 45 | 148 50 | 148 50 | Nov/73 | 550  | <i>Euoniticellus pallipes</i>    | C  |                  |
| 20093 | Littledale P.C.   | 29 km NE   | Cowra         | SI55/7  | 33 45 | 148 50 | 148 50 | Nov/73 | 550  | <i>Onitis alexis</i>             | C  |                  |
| 70003 | Park Nook         | 19 km S    | Cressy        | SK55/04 | 41 47 | 147 5  | 147 5  | Oct/72 | 300  | <i>Euoniticellus intermedius</i> | C  | Not found Mar/80 |
| 20046 | Karoola           | 10 km E    | Crookwell     | SI55/12 | 34 28 | 149 36 | 149 36 | Nov/72 | 500  | <i>Onthophagus gazella</i>       | C  |                  |
| 20516 | Merryvale         | 14 km E    | Crookwell     | SI55/12 | 34 27 | 149 39 | 149 39 | Nov/72 | 1000 | <i>Onthophagus taurus</i>        | 4  |                  |
| 20516 | Merryvale         | 14 km E    | Crookwell     | SI55/12 | 34 27 | 149 39 | 149 39 | Nov/72 | 1000 | <i>Onthophagus taurus</i>        | 4  |                  |
| 20516 | Merryvale         | 14 km E    | Crookwell     | SI55/12 | 34 27 | 149 39 | 149 39 | Jul/79 | 1350 | <i>Onthophagus taurus</i>        | 4  |                  |

| Index | Property         | Location   | Town       | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|------------------|------------|------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20516 | Merryvale        | 14 km E    | Crookwell  | SI55/12 | 34 27 | 149 39 | Nov/78 | 1000 | <i>Onthophagus taurus</i>        | 4  |                  |
| 20517 | Lake Edward      | 8 km E     | Crookwell  | SI55/12 | 34 30 | 149 37 | Aug/81 | 1000 | <i>Onthophagus taurus</i>        | 4  |                  |
| 20517 | Lake Edward      | 8 km E     | Crookwell  | SI55/12 | 34 30 | 149 37 | Mar/79 | 225  | <i>Euoniticellus fulvus</i>      | 5  |                  |
| 20517 | Lake Edward      | 8 km E     | Crookwell  | SI55/12 | 34 30 | 149 37 | Nov/78 | 467  | <i>Euoniticellus fulvus</i>      | 5  |                  |
| 20517 | Lake Edward      | 8 km E     | Crookwell  | SI55/12 | 34 30 | 149 37 | Dec/78 | 237  | <i>Euoniticellus fulvus</i>      | 5  |                  |
| 20517 | Lake Edward      | 8 km E     | Crookwell  | SI55/12 | 34 30 | 149 37 | Mar/79 | 204  | <i>Euoniticellus fulvus</i>      | 5  |                  |
| 20517 | Lake Edward      | 8 km E     | Crookwell  | SI55/12 | 34 30 | 149 37 | Feb/79 | 402  | <i>Euoniticellus fulvus</i>      | 5  |                  |
| 20517 | Lake Edward      | 8 km E     | Crookwell  | SI55/12 | 34 30 | 149 37 | May/79 | 680  | <i>Euoniticellus fulvus</i>      | 5  |                  |
| 20672 | Stonequarry Area | 30 km ENE  | Crookwell  | SI55/12 | 34 23 | 149 48 | Sep/81 | 1000 | <i>Onthophagus taurus</i>        | 4  |                  |
| 20683 | Springgrove      | 20 km E    | Crookwell  | SI55/12 | 34 24 | 149 38 | Dec/81 | 1300 | <i>Onthophagus taurus</i>        | 4  |                  |
| 20854 | Romney Park      | 20 km SW   | Crookwell  | SI55/12 | 34 40 | 149 30 | Nov/82 | 1600 | <i>Euoniticellus fulvus</i>      | 1  | Found Jan/73     |
| 40322 | Recovery Area    | 48 km NW   | Croydon    | SE54/7  | 17 59 | 141 55 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 40323 | May Vale         | 64 km NW   | Croydon    | SE54/7  | 17 56 | 141 47 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 20603 | Meryala          | 4 km E     | Culcairn   | SI55/15 | 35 40 | 147 6  | Aug/80 | 450  | <i>Geotrupes spiniger</i>        | 2  | Not found Feb/81 |
| 20603 | Meryala          | 4 km E     | Culcairn   | SI55/15 | 35 40 | 147 6  | Sep/80 | 200  | <i>Geotrupes spiniger</i>        | 2  | Not found Feb/81 |
| 60158 | Cunderdin Ag. HS | 3 km N     | Cunderdin  | SH50/15 | 31 38 | 117 15 | Dec/78 | 1150 | <i>Onthophagus taurus</i>        | 2  |                  |
| 60158 | Cunderdin Ag. HS | 3 km N     | Cunderdin  | SH50/15 | 31 38 | 117 15 | Dec/78 | 20   | <i>Onitis alexis</i>             | C  |                  |
| 60158 | Cunderdin Ag. HS | 3 km N     | Cunderdin  | SH50/15 | 31 38 | 117 15 | Sep/78 | 750  | <i>Onthophagus taurus</i>        | 2  |                  |
| 60158 | Cunderdin Ag. HS | 3 km N     | Cunderdin  | SH50/15 | 31 38 | 117 15 | Nov/78 | 650  | <i>Onthophagus taurus</i>        | 2  |                  |
| 60158 | Cunderdin Ag. HS | 3 km N     | Cunderdin  | SH50/15 | 31 38 | 117 15 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jul/82     |
| 60158 | Cunderdin Ag. HS | 3 km N     | Cunderdin  | SH50/15 | 31 38 | 117 15 |        |      | <i>Euoniticellus pallipes</i>    | 2  | Found Nov/81     |
| 60303 | Wilson Downs     | 32 km NNE  | Cunderdin  | SH50/15 | 31 26 | 117 20 | Nov/81 | 550  | <i>Onitis aygulus</i>            | WR |                  |
| 60303 | Wilson Downs     | 32 km NNE  | Cunderdin  | SH50/15 | 31 26 | 117 20 |        |      | <i>Onitis aygulus</i>            | WR | Found Nov/82     |
| 60303 | Wilson Downs     | 32 km NNE  | Cunderdin  | SH50/15 | 31 26 | 117 20 | Nov/81 | 480  | <i>Onitis aygulus</i>            | WR |                  |
| 60303 | Wilson Downs     | 32 km NNE  | Cunderdin  | SH50/15 | 31 26 | 117 20 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/81     |
| 40004 | Murra Murra      | 110 km ESE | Cunnamulla | SH55/2  | 28 16 | 146 48 | Dec/71 | 538  | <i>Euoniticellus intermedius</i> |    |                  |
| 40032 | Irrara           | 96 km SSW  | Cunnamulla | SH55/2  | 28 55 | 145 30 | Mar/73 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 40270 | Ivanhoe          | 16 km NE   | Cunnamulla | SG55/14 | 27 58 | 145 52 | Apr/69 | 186  | <i>Copris incertus</i>           |    |                  |
| 40270 | Ivanhoe          | 16 km NE   | Cunnamulla | SG55/14 | 27 58 | 145 52 | Apr/69 | 500  | <i>Hister nomas</i>              |    |                  |
| 40369 | Recovery Area    | 75 km NNE  | Cunnamulla | SG55/14 | 27 34 | 145 52 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 40370 | Recovery Area    | 40 km NNE  | Cunnamulla | SG55/14 | 27 47 | 145 45 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 40371 | Recovery Area    | 20 km N    | Cunnamulla | SG55/14 | 27 55 | 145 41 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 40372 | Recovery Area    | 50 km NNE  | Cunnamulla | SH55/2  | 27 42 | 145 50 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 40373 | Recovery Area    | 20 km W    | Cunnamulla | SG55/1  | 28 6  | 145 29 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 40375 | Recovery Area    | 30 km S    | Cunnamulla | SH55/2  | 28 17 | 145 45 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 40436 | Recovery Area    | 5 km W     | Cunnamulla | SH55/1  | 28 5  | 145 37 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 40537 | Killowen         | 18 km NE   | Cunnamulla | SG55/14 | 27 54 | 145 44 | Feb/78 | 2500 | <i>Onthophagus gazella</i>       | C  |                  |
| 40538 | Adgingbong       | 27 km ENE  | Cunnamulla | SG55/14 | 27 58 | 145 55 | Feb/78 | 2500 | <i>Onthophagus gazella</i>       | C  |                  |
| 40673 | Recovery Area    | 35 km E    | Cunnamulla | SH55/2  | 28 2  | 146 31 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82     |
| 40715 | Recovery Area    | 75 km S    | Cunnamulla | SH55/02 | 28 33 | 145 42 |        |      | <i>Onitis alexis</i>             | T  | Found Apr/82     |



|       |                  |            |                     |         |       |        |      |                                  |    |              |
|-------|------------------|------------|---------------------|---------|-------|--------|------|----------------------------------|----|--------------|
| 40715 | Recovery Area    | 75 km S    | Cunnamulla          | SH55/02 | 28 33 | 145 42 |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82 |
| 60126 | Recovery Area    | 48 km NE   | Cunyu               | SG51/5  | 25 47 | 120 24 |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76 |
| 50074 | Sandvale Stud    | 8 km E     | Currency Creek      | SI54/13 | 35 28 | 138 50 | 500  | <i>Euoniticellus pallipes</i>    | 3  |              |
| 50074 | Sandvale Stud    | 8 km e     | Currency Creek      | SI54/13 | 35 28 | 138 50 |      | <i>Euoniticellus pallipes</i>    | 3  |              |
| 50079 | Galpin (DR & SG) | 1 km S     | Currency Creek      | SI54/13 | 35 28 | 138 46 |      | <i>Euoniticellus pallipes</i>    | 3  |              |
| 50079 | Galpin (DR & SG) | 1 km S     | Currency Creek      | SI54/13 | 35 28 | 138 46 |      | <i>Euoniticellus pallipes</i>    | 3  |              |
| 80161 | Recovery Area    | 6 km NW    | Curtin Springs      | SG52/8  | 25 18 | 131 41 |      | <i>Euoniticellus intermedius</i> |    | Found Nov/77 |
| 80162 | Recovery Area    | 9 km E     | Curtin Springs      | SG52/8  | 25 19 | 131 51 |      | <i>Euoniticellus intermedius</i> |    | Found Nov/77 |
| 80163 | Recovery Area    | 49 km E    | Curtin Springs      | SG53/5  | 25 10 | 132 10 |      | <i>Euoniticellus intermedius</i> |    | Found Nov/77 |
| 80164 | Recovery Area    | 75 km E    | Curtin Springs      | SG53/5  | 25 9  | 132 25 |      | <i>Euoniticellus intermedius</i> |    | Found Nov/77 |
| 40578 | Recovery Area    | 10 km NE   | Dalby               | SG56/13 | 27 7  | 151 18 |      | <i>Onthophagus gazella</i>       | C  | Found Nov/79 |
| 40578 | Recovery Area    | 10 km NE   | Dalby               | SG56/13 | 27 7  | 151 18 | 4000 | <i>Sisyphus rubrus</i>           |    |              |
| 40578 | Recovery Area    | 10 km NE   | Dalby               | SG56/13 | 27 7  | 151 18 |      | <i>Euoniticellus intermedius</i> |    | Found Nov/79 |
| 40584 | Recovery Area    | km         | Dalby               | SG56/13 | 27 11 | 151 15 |      | <i>Onthophagus gazella</i>       | GP | Found Nov/79 |
| 40584 | Recovery Area    | km         | Dalby               | SG56/13 | 27 11 | 151 15 |      | <i>Euoniticellus intermedius</i> |    | Found Nov/79 |
| 40584 | Recovery Area    | km         | Dalby               | SG56/13 | 27 11 | 151 15 |      | <i>Onitis alexis</i>             | C  | Found Nov/79 |
| 40683 | Recovery Area    | 24 km NW   | Dalby               | SG56/13 | 27 04 | 151 05 |      | <i>Onthophagus gazella</i>       | C  | Found Mar/82 |
| 40683 | Recovery Area    | 24 km NW   | Dalby               | SG56/13 | 27 04 | 151 05 |      | <i>Onitis alexis</i>             | C  | Found Mar/82 |
| 40684 | Recovery Area    | 11 km SE   | Dalby               | SG56/13 | 27 15 | 151 20 |      | <i>Onthophagus gazella</i>       | C  | Found Mar/82 |
| 40684 | Recovery Area    | 11 km SE   | Dalby               | SG56/13 | 27 15 | 151 20 |      | <i>Onitis alexis</i>             | C  | Found Mar/82 |
| 40684 | Recovery Area    | 11 km SE   | Dalby               | SG56/13 | 27 15 | 151 20 |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82 |
| 40685 | Recovery Area    | 38 km SE   | Dalby               | SG56/14 | 27 21 | 151 36 |      | <i>Onthophagus gazella</i>       | C  | Found Mar/82 |
| 40685 | Recovery Area    | 38 km SE   | Dalby               | SG56/14 | 27 21 | 151 36 |      | <i>Onitis alexis</i>             | C  | Found Mar/82 |
| 40685 | Recovery Area    | 38 km SE   | Dalby               | SG56/14 | 27 21 | 151 36 |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82 |
| 80349 | Recovery Area    | 20 km E    | Daly River Crossing | SD52/08 | 13 42 | 130 40 |      | <i>Onthophagus sagittarius</i>   |    | Found Jul/83 |
| 80349 | Recovery Area    | 20 km E    | Daly River Crossing | SD52/08 | 13 42 | 130 40 |      | <i>Onthophagus gazella</i>       |    | Found Jul/83 |
| 80349 | Recovery Area    | 20 km E    | Daly River Crossing | SD52/08 | 13 42 | 130 40 |      | <i>Euoniticellus intermedius</i> |    | Found Jul/83 |
| 80093 | Recovery Area    | km         | Daly River Mission  | SD52/11 | 13 46 | 130 41 |      | <i>Onthophagus gazella</i>       | T  | Found Jan/72 |
| 80093 | Recovery Area    | km         | Daly River Mission  | SD52/11 | 13 46 | 130 41 |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82 |
| 80310 | Recovery Area    | 63 km NE   | Daly River Mission  | SD52/8  | 13 26 | 130 57 |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82 |
| 80010 | Montejinni Stn   | 177 km WSW | Daly Waters         | SE52/4  | 16 40 | 131 46 | 250  | <i>Onthophagus gazella</i>       | T  | Found Jun/75 |
| 80010 | Montejinni Stn   | 177 km WSW | Daly Waters         | SE52/4  | 16 40 | 131 46 |      | <i>Euoniticellus intermedius</i> |    | Found Jun/75 |
| 80011 | Victoria R. Dns  | 250 km W   | Daly Waters         | SE52/4  | 16 24 | 131 01 | 456  | <i>Onthophagus gazella</i>       | T  | Found Jun/75 |
| 80011 | Victoria R. Dns  | 250 km W   | Daly Waters         | SE52/4  | 16 24 | 131 01 | 500  | <i>Euoniticellus intermedius</i> |    | Found Jun/75 |
| 80011 | Victoria R. Dns  | 250 km W   | Daly Waters         | SE52/4  | 16 24 | 131 01 | 100  | <i>Liatongus militaris</i>       |    | Found Jun/75 |
| 80011 | Victoria R. Dns  | 250 km W   | Daly Waters         | SE52/4  | 16 24 | 131 01 | 300  | <i>Hister calidus</i>            |    | Found Jun/75 |
| 80037 | Nutwood Downs    | 96 km NE   | Daly Waters         | SD53/14 | 15 49 | 134 9  | 220  | <i>Onthophagus gazella</i>       | T  | Found Jun/75 |
| 80037 | Nutwood Downs    | 96 km NE   | Daly Waters         | SD53/14 | 15 49 | 134 9  | 200  | <i>Onthophagus gazella</i>       | GP | Found Jun/75 |
| 80037 | Nutwood Downs    | 96 km NE   | Daly Waters         | SD53/14 | 15 49 | 134 9  | 500  | <i>Euoniticellus intermedius</i> |    | Found Jun/75 |
| 80037 | Nutwood Downs    | 96 km NE   | Daly Waters         | SD53/14 | 15 49 | 134 9  | 300  | <i>Hister calidus</i>            |    | Found Jun/75 |
| 80063 | Hayfield         | 52 km SSE  | Daly Waters         | SE53/2  | 16 41 | 133 30 |      | <i>Onthophagus gazella</i>       | GP | Found Jun/75 |
| 80063 | Hayfield         | 52 km SSE  | Daly Waters         | SE53/2  | 16 41 | 133 30 | 500  | <i>Euoniticellus intermedius</i> |    | Found Jun/75 |

| Index | Property         | Location   | Town        | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|------------------|------------|-------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 80064 | Cooee Hills      | 80 km ESE  | Daly Waters | SE53/2  | 16 26 | 134 5  |        |      | <i>Onthophagus gazella</i>       |    | Found Nov/83     |
| 80064 | Cooee Hills      | 80 km ESE  | Daly Waters | SE53/2  | 16 26 | 134 5  | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Nov/83     |
| 80065 | Kalala           | 7 km W     | Daly Waters | SE53/1  | 16 17 | 133 17 | Mar/72 | 500  | <i>Onthophagus gazella</i>       | T  | Found Nov/83     |
| 80065 | Kalala           | 7 km W     | Daly Waters | SE53/1  | 16 17 | 133 17 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Jun/75     |
| 80172 | Shenendoah       | 50 km ESE  | Daly Waters | SE53/2  | 16 24 | 133 50 |        | 2000 | <i>Onthophagus gazella</i>       | T  | Found Apr/80     |
| 80172 | Shenendoah       | 50 km ESE  | Daly Waters | SE53/2  | 16 24 | 133 50 | Nov/77 |      | <i>Coprus diversus</i>           |    |                  |
| 80227 | Killarney        | 172 km W   | Daly Waters | SE52/4  | 16 04 | 131 51 | Apr/75 | 500  | <i>Onthophagus gazella</i>       | T  |                  |
| 80303 | Recovery Area    | km         | Daly Waters | SE53/1  | 16 16 | 133 23 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82     |
| 80303 | Recovery Area    | km         | Daly Waters | SE53/1  | 16 16 | 133 23 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82     |
| 80360 | Balbirini Stn    | 200 km E   | Daly Waters | SE53/03 | 16 43 | 135 10 |        |      | <i>Onthophagus gazella</i>       |    | Found Nov/83     |
| 80360 | Balbirini Stn    | 200 km E   | Daly Waters | SE53/03 | 16 43 | 135 10 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/83     |
| 60015 | Karratha Stn     | 25 km SSW  | Dampier     | SF50/2  | 20 53 | 116 40 | Feb/71 | 1000 | <i>Onthophagus gazella</i>       | T  | Found May/77     |
| 60015 | Karratha Stn     | 25 km SSW  | Dampier     | SF50/2  | 20 53 | 116 40 | Jan/74 | 350  | <i>Onthophagus gazella</i>       | GP | Found May/77     |
| 60015 | Karratha Stn     | 25 km SSW  | Dampier     | SF50/2  | 20 53 | 116 40 | Jan/74 | 500  | <i>Onitis alexis</i>             | T  |                  |
| 60015 | Karratha Stn     | 25 km SSW  | Dampier     | SF50/2  | 20 53 | 116 40 | Feb/73 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 60089 | Millstream Stn   | 110 km SSE | Dampier     | SF50/7  | 21 35 | 117 4  | Apr/71 | 1000 | <i>Onthophagus gazella</i>       | T  |                  |
| 60156 | Maitland River   | 25 km SW   | Dampier     | SF50/2  | 20 50 | 116 36 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jun/78     |
| 60156 | Maitland River   | 25 km SW   | Dampier     | SF50/2  | 20 50 | 116 36 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jun/78     |
| 60187 | Pindaree         | 30 km S    | Dandaragan  | SH50/10 | 30 57 | 115 41 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/79     |
| 60188 | Recovery Area    | 17 km SW   | Dandaragan  | SH50/10 | 30 47 | 115 34 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/79     |
| 30016 | Barastoc Res. Fm | 6 km SE    | Dandenong   | SI55/9  | 38 01 | 145 19 | Mar/73 | 500  | <i>Onthophagus gazella</i>       | C  |                  |
| 20028 | Green Acres      | 2 km W     | Dapto       | SI56/9  | 34 30 | 150 45 | Apr/82 | 500  | <i>Onthophagus nigriventris</i>  |    |                  |
| 20028 | Green Acres      | 2 km W     | Dapto       | SI56/9  | 34 30 | 150 45 | Mar/73 | 500  | <i>Onthophagus gazella</i>       | C  | Not found Mar/82 |
| 20028 | Green Acres      | 2 km W     | Dapto       | SI56/9  | 34 30 | 150 45 | May/82 | 500  | <i>Onthophagus nigriventris</i>  |    |                  |
| 20028 | Green Acres      | 2 km W     | Dapto       | SI56/9  | 34 30 | 150 45 | Oct/72 | 307  | <i>Hister calidus</i>            |    | Not found Mar/82 |
| 20028 | Green Acres      | 2 km W     | Dapto       | SI56/9  | 34 30 | 150 45 | Apr/70 | 728  | <i>Hister nomas</i>              |    | Found Mar/77     |
| 20028 | Green Acres      | 2 km W     | Dapto       | SI56/9  | 34 30 | 150 45 | Mar/73 | 500  | <i>Euoniticellus africanus</i>   |    | Not found Mar/82 |
| 20818 | Roadside         | 5 km SW    | Dapto       | SI56/09 | 34 31 | 150 45 | Dec/80 | 1000 | <i>Onitis alexis</i>             | C  |                  |
| 60351 | Maryfield        | 5 km NE    | Dardanup    | SI50/6  | 33 30 | 115 35 | Jul/83 | 22   | <i>Bubas bison</i>               |    |                  |
| 60351 | Maryfield        | 5 km NE    | Dardanup    | SI50/6  | 33 30 | 115 35 | Jul/83 | 58   | <i>Bubas bison</i>               |    |                  |
| 60351 | Maryfield        | 5 km NE    | Dardanup    | SI50/6  | 33 30 | 115 35 | May/83 | 183  | <i>Bubas bison</i>               |    |                  |
| 60351 | Maryfield        | 5 km NE    | Dardanup    | SI50/6  | 33 30 | 115 35 | May/83 | 75   | <i>Bubas bison</i>               |    |                  |
| 60351 | Maryfield        | 5 km NE    | Dardanup    | SI50/6  | 33 30 | 115 35 | Apr/83 | 189  | <i>Bubas bison</i>               |    |                  |
| 80002 | Berrimah Ex. Fm. | 14 km S    | Darwin      | SD52/4  | 12 30 | 130 57 | Oct/73 | 300  | <i>Sisypus spinipes</i>          |    | Not found Apr/82 |
| 80002 | Berrimah Ex. Fm. | 14 km S    | Darwin      | SD52/4  | 12 30 | 130 57 | Dec/69 | 3389 | <i>Onthophagus gazella</i>       | T  | Found Feb/75     |
| 80002 | Berrimah Ex. Fm. | 14 km S    | Darwin      | SD52/4  | 12 30 | 130 57 | Nov/73 | 346  | <i>Onitis alexis</i>             | T  | Not found Apr/82 |
| 80002 | Berrimah Ex. Fm. | 14 km S    | Darwin      | SD52/4  | 12 30 | 130 57 | Sep/73 | 200  | <i>Onthophagus gazella</i>       | GP | Found Feb/75     |
| 80002 | Berrimah Ex. Fm. | 14 km S    | Darwin      | SD52/4  | 12 30 | 130 57 |        |      | <i>Onthophagus sagittarius</i>   |    | Found Jun/81     |
| 80002 | Berrimah Ex. Fm. | 14 km S    | Darwin      | SD52/4  | 12 30 | 130 57 | Dec/76 | 500  | <i>Onthophagus obliquus</i>      |    | Not found Apr/82 |
| 80002 | Berrimah Ex. Fm. | 14 km S    | Darwin      | SD52/4  | 12 30 | 130 57 | Jan/73 | 300  | <i>Sisypus spinipes</i>          |    | Not found Apr/82 |

|       |                    |            |        |         |       |        |        |      |                                  |    |                  |
|-------|--------------------|------------|--------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 80002 | Berrimah Ex. Fm.   | 14 km S    | Darwin | SD52/4  | 12 30 | 130 57 | Oct/70 | 102  | <i>Copris incertus</i>           | GP | Not found Apr/82 |
| 80002 | Berrimah Ex. Fm.   | 14 km S    | Darwin | SD52/4  | 12 30 | 130 57 | May/82 | 430  | <i>Copris diversus</i>           | T  | Found Apr/82     |
| 80002 | Berrimah Ex. Fm.   | 14 km S    | Darwin | SD52/4  | 12 30 | 130 57 | Feb/82 | 2600 | <i>Euoniticellus intermedius</i> | T  | Not found Apr/82 |
| 80002 | Berrimah Ex. Fm.   | 14 km S    | Darwin | SD52/4  | 12 30 | 130 57 | Dec/69 | 623  | <i>Copris diversus</i>           | T  | Found Dec/77     |
| 80002 | Berrimah Ex. Fm.   | 14 km S    | Darwin | SD52/4  | 12 30 | 130 57 | Dec/69 | 101  | <i>Liatongus militaris</i>       | T  | Not found Apr/82 |
| 80026 | Munmarlary Stn     | 180 km E   | Darwin | SD53/1  | 12 28 | 132 30 | Sep/73 | 100  | <i>Onthophagus gazella</i>       | GP |                  |
| 80026 | Munmarlary Stn     | 180 km E   | Darwin | SD53/1  | 12 28 | 132 30 | Oct/70 | 200  | <i>Onthophagus gazella</i>       | T  | Found Feb/75     |
| 80027 | Beatrice Hill      | 53 km ESE  | Darwin | SD52/4  | 12 37 | 131 16 | Sep/73 | 100  | <i>Onthophagus gazella</i>       | GP | Found Jun/81     |
| 80027 | Beatrice Hill      | 53 km ESE  | Darwin | SD52/4  | 12 37 | 131 16 | Oct/70 | 210  | <i>Onthophagus gazella</i>       | T  | Not found Jun/81 |
| 80027 | Beatrice Hill      | 53 km ESE  | Darwin | SD52/4  | 12 37 | 131 16 | Oct/75 | 500  | <i>Onitis alexis</i>             | T  |                  |
| 80028 | Bathurst Island    | 85 km NNW  | Darwin | SC52/16 | 11 45 | 130 38 | Oct/73 | 100  | <i>Onthophagus gazella</i>       | GP |                  |
| 80028 | Bathurst Island    | 85 km NNW  | Darwin | SC52/16 | 11 45 | 130 38 | Apr/73 | 300  | <i>Onthophagus gazella</i>       | T  |                  |
| 80029 | Garden point       | 125 km NNW | Darwin | SC52/15 | 11 24 | 130 25 | Dec/71 | 300  | <i>Onthophagus gazella</i>       | T  |                  |
| 80029 | Garden Point       | 125 km NNW | Darwin | SC52/15 | 11 24 | 130 25 | Oct/73 | 100  | <i>Onthophagus gazella</i>       | GP |                  |
| 80030 | Cobourg Peninsula  | 220 km NE  | Darwin | SC53/13 | 11 25 | 132 25 | Jan/73 | 400  | <i>Onthophagus gazella</i>       | T  |                  |
| 80030 | Cobourg Peninsula  | 220 km NE  | Darwin | SC53/13 | 11 25 | 132 25 | Oct/73 | 300  | <i>Sisyphus spinipes</i>         | GP |                  |
| 80030 | Cobourg Peninsula  | 220 km NE  | Darwin | SC53/13 | 11 25 | 132 25 | Oct/73 | 200  | <i>Onthophagus gazella</i>       | GP | Found May/80     |
| 80031 | Croker Island      | 240 km NE  | Darwin | SC53/13 | 11 9  | 132 35 | Oct/73 | 100  | <i>Onthophagus gazella</i>       | GP | Found May/80     |
| 80031 | Croker Island      | 240 km NE  | Darwin | SC53/13 | 11 9  | 132 35 | Dec/72 | 200  | <i>Onthophagus gazella</i>       | T  | Found May/80     |
| 80031 | Croker Island      | 240 km NE  | Darwin | SC53/13 | 11 9  | 132 35 |        |      | <i>Euoniticellus intermedius</i> | T  |                  |
| 80032 | Goulburn Island    | 290 km ENE | Darwin | SC53/13 | 11 39 | 133 23 | Oct/73 | 100  | <i>Onthophagus gazella</i>       | GP | Found May/80     |
| 80032 | Goulburn Island    | 290 km ENE | Darwin | SC53/13 | 11 39 | 133 23 | May/73 | 300  | <i>Onthophagus gazella</i>       | T  | Found May/80     |
| 80032 | Goulburn Island    | 290 km ENE | Darwin | SC53/13 | 11 39 | 133 23 |        |      | <i>Euoniticellus intermedius</i> | T  | Found May/80     |
| 80127 | Wildman River      | 140 km SE  | Darwin | SD53/1  | 12 57 | 133 00 |        |      | <i>Onthophagus gazella</i>       | GP | Found Dec/76     |
| 80137 | Howard Springs     | 24 km S    | Darwin | SD52/4  | 12 28 | 131 3  |        |      | <i>Onthophagus gazella</i>       | T  | Found Nov/72     |
| 80139 | Berry Springs      | 30 km SSE  | Darwin | SD52/4  | 12 41 | 130 58 |        |      | <i>Onthophagus gazella</i>       | T  | Found Nov/72     |
| 80141 | Recovery Area      | 52 km S    | Darwin | SD53/1  | 12 44 | 132 5  |        |      | <i>Onthophagus gazella</i>       | T  | Found Nov/72     |
| 80201 | Elizabeth Valley   | 35 km SE   | Darwin | SD52/4  | 12 40 | 131 05 | Nov/70 | 220  | <i>Onthophagus gazella</i>       | T  | Found Jun/81     |
| 80210 | East Point         | 35 km WSW  | Darwin | SD52/4  | 12 34 | 130 35 | Mar/71 | 240  | <i>Onthophagus gazella</i>       | T  | Found May/80     |
| 80216 | Terricander        | 25 km SW   | Darwin | SD52/4  | 12 38 | 130 42 | Mar/72 | 300  | <i>Onthophagus gazella</i>       | T  | Found Jun/80     |
| 80232 | Murganella W.S.    | 220 km ENE | Darwin | SC53/13 | 11 51 | 132 48 | Sep/73 | 400  | <i>Onthophagus gazella</i>       | T  | Found Jun/80     |
| 80273 | Elizabeth Downs    | km SE      | Darwin | SD52/07 | 13 38 | 130 29 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Jun/81     |
| 80273 | Elizabeth Downs    | km SE      | Darwin | SD52/07 | 13 38 | 130 29 |        |      | <i>Onthophagus sagittarius</i>   | T  | Found Jun/81     |
| 80302 | Adelaide R. Fpl.   | 40 km ESE  | Darwin | SD52/4  | 12 39 | 131 21 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jun/81     |
| 80302 | Adelaide R. Fpl.   | 40 km ESE  | Darwin | SD52/4  | 12 39 | 131 21 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Jun/81     |
| 80302 | Adelaide R. Fpl.   | 40 km ESE  | Darwin | SD52/4  | 12 39 | 131 21 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82     |
| 80304 | Noonamah           | 40 km SE   | Darwin | SD52/4  | 12 38 | 131 05 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82     |
| 80305 | Recovery Area      | 10 km ESE  | Darwin | SD52/4  | 12 28 | 130 56 |        |      | <i>Onthophagus sagittarius</i>   | T  | Found Apr/82     |
| 80306 | Annaburroo Station | 130 km SE  | Darwin | SD52/4  | 12 56 | 131 40 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82     |
| 80308 | Humpty-Do          | 45 km SE   | Darwin | SD52/4  | 12 38 | 131 16 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82     |
| 80308 | Humpty-Do          | 45 km SE   | Darwin | SD52/4  | 12 38 | 131 16 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Apr/82     |

| Index | Property        | Location   | Town                | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|-----------------|------------|---------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 80308 | Humpty-Doo      | 45 km SE   | Darwin              | SD52/4  | 12 38 | 131 16 |        |      | <i>Liatongus militaris</i>       |    | Found Apr/82     |
| 60140 | De Grey Station | km         | De Grey R. Crossing | SF50/4  | 20 11 | 119 12 |        |      | <i>Onthophagus gazella</i>       | GP | Found Jul/77     |
| 60110 | Recovery Area   | km         | Deepdale River      | SD52/13 | 15 2  | 126 55 |        |      | <i>Onthophagus gazella</i>       | GP | Found Aug/75     |
| 20771 | Bolivia Station | 22 km W    | Deepwater           | SH56/6  | 29 26 | 151 38 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/82     |
| 20771 | Bolivia Station | 22 km W    | Deepwater           | SH56/6  | 29 26 | 151 38 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82     |
| 80251 | Roadside        |            | Delamere Station    | SD52/16 | 15 14 | 131 55 |        |      | <i>Onthophagus gazella</i>       | GP | Found Feb/80     |
| 80251 | Roadside        |            | Delamere Station    | SD52/16 | 15 14 | 131 55 |        |      | <i>Onthophagus bubalus</i>       | T  | Found Feb/80     |
| 20033 | Delegate Stn    | km         | Delegate            | SJ55/7  | 37 3  | 148 56 | Oct/72 | 485  | <i>Hister cruentus</i>           |    |                  |
| 20033 | Delegate Stn    | km         | Delegate            | SJ55/7  | 37 3  | 148 56 | Oct/72 | 300  | <i>Onitis alexis</i>             | C  | Not found        |
| 20033 | Delegate Stn    | km         | Delegate            | SJ55/7  | 37 3  | 148 56 | Oct/72 | 300  | <i>Euoniticellus intermedius</i> |    |                  |
| 20122 | CSIRO           | 16 km ENE  | Deniliquin          | SI55/13 | 35 25 | 145 5  | Mar/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20124 | Oro             | 35 km NW   | Deniliquin          | SI53/13 | 35 23 | 144 46 | Mar/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20364 | Sandridge       | 8 km NNE   | Deniliquin          | SI55/13 | 35 29 | 145 0  | Nov/77 | 100  | <i>Onitis aygulus</i>            | WR | Not found Nov/78 |
| 20364 | Sandridge       | 8 km NNE   | Deniliquin          | SI55/13 | 35 29 | 145 0  | Mar/77 | 410  | <i>Onitis aygulus</i>            | WR | Not found Nov/78 |
| 20233 | (Road Release)  | 3 km W     | Denman              | SI56/1  | 32 22 | 150 41 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    | Found Jan/78     |
| 20233 | (Road Release)  | 3 km W     | Denman              | SI56/1  | 32 22 | 150 41 | Feb/75 | 260  | <i>Euoniticellus intermedius</i> |    |                  |
| 20234 | (Road Release)  | 12 km E    | Denman              | SI56/1  | 32 19 | 150 45 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |                  |
| 20234 | (Road Release)  | 12 km E    | Denman              | SI56/1  | 32 19 | 150 45 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |                  |
| 60183 | Recovery Area   | 30 km W    | Denmark             | SI50/11 | 34 57 | 117 02 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    |                  |
| 60184 | Recovery Area   | 8 km NE    | Denmark             | SI50/11 | 34 54 | 117 20 |        |      | <i>Onthophagus binodis</i>       | WR | Found Feb/79     |
| 60013 | Yeeda Station   | 38 km S    | Derby               | SE51/7  | 17 37 | 123 39 | Feb/70 | 182  | <i>Onthophagus binodis</i>       | WR | Found Feb/79     |
| 60013 | Yeeda Stn       | 38 km S    | Derby               | SE5/7   | 17 37 | 123 39 | Feb/70 | 1015 | <i>Onthophagus sagittarius</i>   |    |                  |
| 60013 | Yeeda Stn       | 38 km S    | Derby               | SE51/7  | 17 37 | 123 39 | Feb/70 | 105  | <i>Onthophagus gazella</i>       | T  | Found Feb/75     |
| 60013 | Yeeda Stn       | 38 km S    | Derby               | SE51/7  | 17 37 | 123 39 | Feb/70 | 570  | <i>Hister caffer</i>             |    |                  |
| 60013 | Yeeda Stn       | 38 km S    | Derby               | SE51/7  | 17 37 | 123 39 | Mar/72 | 255  | <i>Liatongus militaris</i>       |    |                  |
| 60013 | Yeeda Stn       | 38 km S    | Derby               | SE51/7  | 17 37 | 123 39 | Dec/72 | 500  | <i>Hister calidus</i>            |    |                  |
| 60013 | Yeeda Stn.      | 38 km S    | Derby               | SE51/7  | 17 37 | 123 39 | Feb/70 | 107  | <i>Euoniticellus intermedius</i> |    |                  |
| 60045 | Dept of Ag.     | km         | Derby               | SE51/7  | 17 19 | 123 38 | Nov/73 | 600  | <i>Copris incertus</i>           | GP | Not found Jun/81 |
| 60050 | Meda Stn        | 40 km ESE  | Derby               | SE51/7  | 17 22 | 124 0  | Jan/74 | 500  | <i>Onthophagus gazella</i>       | T  | Found Jun/81     |
| 60050 | Meda Stn        | 40 km ESE  | Derby               | SE51/7  | 17 22 | 124 0  |        |      | <i>Onthophagus gazella</i>       | T  | Found Jun/81     |
| 60050 | Meda Stn        | 40 km ESE  | Derby               | SE51/7  | 17 22 | 124 0  |        |      | <i>Euoniticellus intermedius</i> |    |                  |
| 60085 | Napier Downs    | 125 km E   | Derby               | SE51/8  | 17 15 | 124 44 | Mar/71 | 831  | <i>Onthophagus gazella</i>       | T  | Found Jun/81     |
| 60086 | Liveringa Stn   | 103 km SE  | Derby               | SE51/11 | 18 3  | 124 10 | Mar/71 | 875  | <i>Onthophagus gazella</i>       | T  | Found Jun/81     |
| 60106 | Roadside        | 100 km E   | Derby               | SE51/7  | 17 28 | 124 15 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jun/73     |
| 60113 | Fitzroy River   | 50 km S    | Derby               | SE51/7  | 17 44 | 123 39 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/76     |
| 60157 | Cape Leveque    | 125 km NW  | Derby               | SE51/2  | 16 25 | 122 56 |        |      | <i>Onthophagus gazella</i>       | GP | Found Jun/78     |
| 60157 | Cape Leveque    | 125 km NW  | Derby               | SE51/2  | 16 25 | 122 56 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Jun/81     |
| 60264 | Mt Hart Station | 160 km ENE | Derby               | SE51/04 | 16 50 | 124 54 |        |      | <i>Onthophagus gazella</i>       | T  | Found May/73     |
| 60266 | Recovery Area   | 16 km E    | Derby               | SE51/07 | 17 20 | 123 45 |        |      | <i>Onthophagus gazella</i>       | T  | Found May/73     |
| 60293 | Oobagooma Stn   | 75 km NNE  | Derby               | SE51/3  | 16 46 | 123 59 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jun/81     |

|       |                  |           |                      |         |       |        |                                  |    |              |
|-------|------------------|-----------|----------------------|---------|-------|--------|----------------------------------|----|--------------|
| 60293 | Oobagooma Stn    | 75 km NNE | Derby                | SE51/3  | 16 46 | 123 59 | <i>Euoniticellus intermedius</i> |    | Found Jun/81 |
| 60294 | Kimbolton Stn    | 85 km NNE | Derby                | SE51/3  | 16 41 | 123 50 | <i>Onthophagus gazella</i>       | T  | Found Jun/81 |
| 60294 | Kimbolton Stn    | 85 km NNE | Derby                | SE51/3  | 16 41 | 123 50 | <i>Euoniticellus intermedius</i> |    | Found Jun/81 |
| 60295 | Minnie River     | 50 km SSW | Derby                | SE51/7  | 17 45 | 123 34 | <i>Onthophagus gazella</i>       | T  | Found Jun/81 |
| 60268 | Windjana Gorge   | 144 km E  | Derby (on Napier Rg) | SE51/08 | 17 26 | 124 58 | <i>Onthophagus gazella</i>       | T  | Found May/73 |
| 70014 | Garden View      | 2 km N    | Dilston              | SK55/04 | 41 20 | 147 04 | <i>Euoniticellus fulvus</i>      | 4  | Found Jan/81 |
| 40084 | (Road Release)   | km        | Dingo                | SF55/16 | 23 42 | 149 18 | <i>Onthophagus gazella</i>       | GP | Found Jan/73 |
| 40084 | (Road Release)   | km        | Dingo                | SF55/16 | 23 42 | 149 18 | <i>Onthophagus gazella</i>       | T  | Found Jun/75 |
| 40084 | (Road Release)   | km        | Dingo                | SF55/16 | 23 42 | 149 18 | <i>Euoniticellus intermedius</i> |    | Found Feb/75 |
| 40244 | Woongarra        | 32 km N   | Dingo                | SF55/16 | 23 22 | 149 50 | <i>Onthophagus gazella</i>       | T  | Found Feb/75 |
| 40244 | Woongarra        | 32 km N   | Dingo                | SF55/16 | 23 22 | 149 50 | <i>Onthophagus gazella</i>       | T  | Found Jan/73 |
| 40293 | Leura            | 46 km NE  | Dingo                | SF55/16 | 23 32 | 149 33 | <i>Onthophagus gazella</i>       | T  | Found Feb/82 |
| 40626 | Recovery Area    | 12 km E   | Dingo                | SF55/16 | 23 40 | 149 27 | <i>Euoniticellus intermedius</i> |    | Found Dec/78 |
| 60163 | Recovery Area    | 23 km S   | Dongara              | SH50/5  | 29 25 | 115 00 | <i>Onitis alexis</i>             | C  | Found Dec/78 |
| 60170 | Recovery Area    | 6 km N    | Dongara              | SH50/5  | 29 12 | 114 54 | <i>Onitis alexis</i>             | C  | Found Dec/78 |
| 60171 | Recovery Area    | 30 km N   | Dongara              | SH50/5  | 29 1  | 114 47 | <i>Onitis alexis</i>             | C  | Found Dec/78 |
| 60186 | Recovery Area    | 15 km SE  | Donnybrook           | SI50/6  | 33 31 | 115 59 | <i>Onthophagus binodis</i>       | WR | Found Feb/79 |
| 60315 | Roadside         | 8 km S    | Donnybrook           | SI50/6  | 33 39 | 115 48 | <i>Onthophagus binodis</i>       | WR | Found Jan/82 |
| 60316 | Roadside         | 13 km S   | Donnybrook           | SI50/6  | 33 42 | 115 47 | <i>Onthophagus binodis</i>       | WR | Found Jan/82 |
| 20644 | Recovery Area    | 2 km NE   | Donnybrook           | SH56/10 | 30 19 | 152 23 | <i>Hister nomas</i>              |    | Found Mar/81 |
| 20673 | Upper Thora      | 10 km S   | Dorrigo              | SH56/10 | 30 25 | 152 41 | <i>Onthophagus gazella</i>       | C  | Found Jan/78 |
| 20687 | Bonnie Brae      | 1 km W    | Dorrigo              | SG56/10 | 30 21 | 152 40 | <i>Onitis vanderkelleni</i>      |    | Found Mar/82 |
| 20688 | Tiercel          | 33 km WNW | Dorrigo              | SH56/10 | 30 14 | 152 23 | <i>Onitis vanderkelleni</i>      |    | Found Mar/82 |
| 20777 | Recovery Area    | 30 km NW  | Dorrigo              | SH56/10 | 30 15 | 152 29 | <i>Hister nomas</i>              |    | Found Feb/81 |
| 20777 | Recovery Area    | 30 km NW  | Dorrigo              | SH56/10 | 30 15 | 152 29 | <i>Euoniticellus intermedius</i> |    | Found Feb/81 |
| 20635 | Recovery Area    | 3 km E    | Drake                | SH56/02 | 28 56 | 152 24 | <i>Euoniticellus intermedius</i> |    | Found Feb/81 |
| 30047 | Crocombe (Mr CA) | 8 km SSE  | Drouin               | SJ55/9  | 38 10 | 145 53 | <i>Euoniticellus intermedius</i> |    | Found Mar/82 |
| 40085 | (Road Release)   | km        | Duaringa             | SF55/16 | 23 42 | 149 20 | <i>Onthophagus nigriventris</i>  | T  | Found Jan/73 |
| 40085 | (Road Release)   | km        | Duaringa             | SF55/16 | 23 42 | 149 20 | <i>Onthophagus gazella</i>       | GP | Found Feb/82 |
| 40085 | (Road Release)   | km        | Duaringa             | SF55/16 | 23 42 | 149 20 | <i>Euoniticellus intermedius</i> |    | Found Jun/75 |
| 40085 | (Road Release)   | km        | Duaringa             | SF55/16 | 23 42 | 149 20 | <i>Liatongus militaris</i>       |    | Found Feb/82 |
| 40391 | Recovery Area    | 20 km ESE | Duaringa             | SF55/16 | 23 45 | 149 52 | <i>Onthophagus gazella</i>       | GP | Found Aug/75 |
| 40391 | Recovery Area    | 20 km ESE | Duaringa             | SF55/16 | 23 45 | 149 52 | <i>Euoniticellus intermedius</i> |    | Found Feb/75 |
| 40625 | Recovery Area    | 30 km ESE | Duaringa             | SF55/16 | 23 45 | 149 51 | <i>Onthophagus gazella</i>       | GP | Found Feb/82 |
| 40625 | Recovery Area    | 30 km ESE | Duaringa             | SF55/16 | 23 45 | 149 51 | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 20144 | Campania         | 23 km NW  | Dubbo                | SI55/4  | 32 10 | 148 31 | <i>Euoniticellus intermedius</i> | C  | Found Feb/78 |
| 20144 | Campania         | 23 km NW  | Dubbo                | SI55/4  | 32 10 | 148 31 | <i>Onthophagus gazella</i>       | C  | Found Feb/78 |
| 20147 | Murrumbidgee     | 21 km SE  | Dubbo                | SI55/4  | 32 24 | 148 43 | <i>Euoniticellus intermedius</i> | C  | Found Feb/78 |
| 20148 | Benalong         | 34 km SSE | Dubbo                | SI55/4  | 32 25 | 148 39 | <i>Onthophagus gazella</i>       | C  | Found Feb/78 |
| 20150 | Quamby           | 20 km SE  | Dubbo                | SI55/4  | 32 22 | 148 43 | <i>Euoniticellus intermedius</i> |    | Found Feb/78 |
| 20152 | Karingal         | 35 km SE  | Dubbo                | SI55/4  | 32 25 | 149 49 | <i>Euoniticellus intermedius</i> |    | Found Feb/78 |
| 20154 | Albion Hill      | 19 km ESE | Dubbo                | SI55/4  | 32 16 | 148 49 | <i>Euoniticellus intermedius</i> |    | Found Feb/78 |

| Index | Property       | Location  | Town    | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|----------------|-----------|---------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20155 | Wendona        | 25 km S   | Dubbo   | SI55/4  | 32 24 | 148 44 | Dec/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20156 | Cooreena Park  | 8 km NW   | Dubbo   | SI55/4  | 32 14 | 148 31 | Dec/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20157 | Enterprise     | 24 km NW  | Dubbo   | SI55/4  | 32 11 | 148 30 | Dec/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20168 | Merrinong      | 56 km NW  | Dubbo   | SH55/15 | 31 54 | 148 14 | Dec/74 | 500  | <i>Euoniticellus africanus</i>   |    |                  |
| 20169 | Kalonga        | 23 km E   | Dubbo   | SI55/4  | 32 14 | 148 54 | Dec/74 | 500  | <i>Euoniticellus africanus</i>   |    |                  |
| 20217 | (Road Release) | 6 km E    | Dubbo   | SI55/4  | 32 14 | 148 41 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    |                  |
| 20217 | (Road Release) | 6 km E    | Dubbo   | SI55/4  | 32 14 | 148 41 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |                  |
| 20218 | (Road Release) | 25 km E   | Dubbo   | SI55/4  | 32 11 | 148 47 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    |                  |
| 20218 | (Road Release) | 25 km E   | Dubbo   | SI55/4  | 32 11 | 148 47 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |                  |
| 20219 | (Road Release) | 41 km E   | Dubbo   | SI55/4  | 32 11 | 148 54 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    |                  |
| 20219 | (Road Release) | 41 km E   | Dubbo   | SI55/4  | 32 11 | 148 54 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |                  |
| 20220 | (Road Release) | 57 km E   | Dubbo   | SI55/4  | 32 10 | 148 59 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |                  |
| 20220 | (Road Release) | 57 km E   | Dubbo   | SI55/4  | 32 10 | 148 59 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    |                  |
| 20243 | (Road Release) | 3 km N    | Dubbo   | SI55/4  | 32 12 | 148 37 | Mar/75 | 500  | <i>Onthophagus binodis</i>       | SR | Not found Jan/78 |
| 20243 | (Road Release) | 3 km N    | Dubbo   | SI55/4  | 32 12 | 148 37 | Mar/75 | 500  | <i>Hister nomas</i>              |    | Found Jan/78     |
| 20351 | Regand Park Dy | 3 km S    | Dubbo   | SI55/4  | 32 17 | 148 38 | Jan/78 | 90   | <i>Onitis aygulus</i>            | SR | Not found Feb/82 |
| 20351 | Regand Park Dy | 3 km S    | Dubbo   | SI55/4  | 32 17 | 148 38 | Feb/77 | 342  | <i>Onitis aygulus</i>            | SR | Not found Feb/82 |
| 20351 | Regand Park Dy | 3 km S    | Dubbo   | SI55/4  | 32 17 | 148 38 | Feb/77 | 273  | <i>Onitis aygulus</i>            | SR | Not found Feb/82 |
| 20351 | Regand Park Dy | 3 km S    | Dubbo   | SI55/4  | 32 17 | 148 38 | Jan/77 | 383  | <i>Onitis aygulus</i>            | SR | Not found Feb/82 |
| 20351 | Regand Park Dy | 3 km S    | Dubbo   | SI55/4  | 32 17 | 148 38 | Mar/78 | 320  | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20351 | Regand Park Dy | 3 km S    | Dubbo   | SI55/4  | 32 17 | 148 38 | Mar/78 | 320  | <i>Onitis aygulus</i>            | SR | Not found Feb/82 |
| 20351 | Regand Park Dy | 3 km S    | Dubbo   | SI55/4  | 32 17 | 148 38 |        |      | <i>Euoniticellus africanus</i>   |    | Found Feb/82     |
| 20351 | Regand Park Dy | 3 km S    | Dubbo   | SI55/4  | 32 17 | 148 38 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/77     |
| 20351 | Regand Park Dy | 3 km S    | Dubbo   | SI55/4  | 32 17 | 148 38 |        |      | <i>Onitis alexis</i>             | C  | Found Feb/82     |
| 20391 | Recovery Area  | km        | Dubbo   | SI55/4  | 32 15 | 148 37 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/75     |
| 20393 | Recovery Area  | 10 km N   | Dubbo   | SI55/4  | 32 7  | 148 37 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/75     |
| 20539 | Recovery Area  | 31 km S   | Dubbo   | SI55/3  | 32 23 | 148 25 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/76     |
| 20540 | Recovery Area  | 23 km W   | Dubbo   | SI55/3  | 32 12 | 148 26 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/78     |
| 20478 | Recovery Area  | 14 km N   | Dubbo   | SI55/4  | 32 5  | 148 37 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jan/78     |
| 20479 | Recovery Area  | 18 km N   | Dubbo   | SI55/4  | 32 3  | 148 37 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/77     |
| 20240 | (Road release) | 10 km SSE | Dubbo   | SI55/4  | 32 19 | 148 42 | Feb-75 | 500  | <i>Euoniticellus intermedius</i> | C  | Found Mar/77     |
| 20480 | Recovery Area  | 4 km W    | Dubbo   | SI55/4  | 32 15 | 148 35 |        |      | <i>Onitis alexis</i>             |    |                  |
| 40003 | Dulacca Stn.   | 1 km S    | Dulacca | SG55/12 | 26 39 | 149 46 | Dec/71 | 526  | <i>Euoniticellus intermedius</i> |    | Found Feb/76     |
| 20198 | (Road Release) | 3 km E    | Dunedoo | SI55/4  | 32 0  | 149 26 | Feb/75 | 260  | <i>Euoniticellus intermedius</i> |    | Found Feb/75     |
| 20198 | (Road Release) | 3 km E    | Dunedoo | SI55/4  | 32 0  | 149 26 | Feb/75 | 740  | <i>Euoniticellus africanus</i>   |    |                  |
| 20199 | (Road Release) | 18 km NW  | Dunedoo | SH55/16 | 31 54 | 149 20 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |                  |
| 20199 | (Road Release) | 18 km NW  | Dunedoo | SH55/16 | 31 54 | 149 20 | Feb/75 | 260  | <i>Euoniticellus intermedius</i> |    |                  |
| 20544 | Recovery Area  | 9 km E    | Dunedoo | SI55/4  | 32 03 | 149 28 |        |      | <i>Euoniticellus africanus</i>   |    | Found Feb/78     |
| 20128 | Monkerai       | 21 km NE  | Dungog  | SI56/2  | 32 15 | 151 50 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> | C  | Found Mar/81     |
| 20128 | Monkerai       | 21 km NE  | Dungog  | SI56/2  | 32 15 | 151 50 | Apr/74 | 500  | <i>Onthophagus gazella</i>       |    | Found Mar/81     |
| 20128 | Monkerai       | 21 km NE  | Dungog  | SI56/2  | 32 15 | 151 50 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |

|       |                  |           |                      |         |       |        |        |      |                                  |    |                  |
|-------|------------------|-----------|----------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20162 | Goondi           | 17 km SE  | Dungog               | SI56/2  | 32 27 | 151 50 | Dec/74 | 500  | <i>Onthophagus gazella</i>       | C  | Found Mar/81     |
| 20162 | Goondi           | 17 km SE  | Dungog               | SI56/2  | 32 27 | 151 50 | Dec/74 | 500  | <i>Onthophagus binodis</i>       | SR | Not found Feb/82 |
| 20162 | Goondi           | 17 km SE  | Dungog               | SI56/2  | 32 27 | 151 50 |        |      | <i>Hister nomas</i>              |    | Found Mar/81     |
| 20162 | Goondi           | 17 km SE  | Dungog               | SI56/2  | 32 27 | 151 50 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Mar/81     |
| 20618 | Recovery Area    | 1 km N    | Dungog               | SI56/02 | 32 24 | 151 45 |        |      | <i>Onthophagus gazella</i>       |    | Found Feb/81     |
| 20618 | Recovery Area    | 1 km N    | Dungog               | SI56/02 | 32 24 | 151 45 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/81     |
| 20637 | Recovery Area    | 11 km S   | Dungog               | SI56/02 | 32 35 | 151 48 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/81     |
| 20637 | Recovery Area    | 11 km S   | Dungog               | SI56/02 | 32 35 | 151 48 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Mar/81     |
| 20739 | Recovery Area    | 23 km ENE | Dungog               | SI56/2  | 32 21 | 151 53 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 80341 | No. 12 Bore      |           | Dungowan Station     | SE53/1  | 16 46 | 132 25 |        |      | <i>Onthophagus gazella</i>       | T  | Found Aug/82     |
| 80341 | No. 12 Bore      |           | Dungowan Station     | SE53/1  | 16 46 | 132 25 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/82     |
| 60239 | Naturaliste Dns  | 8 km N    | Dunsborough          | SI50/5  | 33 48 | 115 03 | Feb/79 | 1000 | <i>Onthophagus binodis</i>       | WR |                  |
| 60244 | Windle Graz. Co. | 2 km W    | Dunsborough          | SI50/5  | 33 36 | 115 04 | Feb/79 | 900  | <i>Onthophagus binodis</i>       | WR |                  |
| 80233 | Arnhem Hwy       |           | East Alligator River | SD53/1  | 12 25 | 132 58 |        |      | <i>Onthophagus gazella</i>       | GP | Found May/79     |
| 80233 | Arnhem Hwy       |           | East Alligator River | SD53/1  | 12 25 | 132 58 |        |      | <i>Euoniticellus intermedius</i> |    | Found May/79     |
| 80234 | Arnhem Hwy       | 24 km S   | East Alligator River | SD53/1  | 12 33 | 132 54 |        |      | <i>Onthophagus gazella</i>       | GP | Found May/79     |
| 80234 | Arnhem Hwy       | 24 km S   | East Alligator River | SD53/1  | 12 33 | 132 54 |        |      | <i>Euoniticellus intermedius</i> |    | Found May/79     |
| 80235 | Mudginberri Road | 36 km SSW | East Alligator River | SD53/1  | 12 46 | 132 45 |        |      | <i>Onthophagus gazella</i>       | GP | Found May/79     |
| 80235 | Mudginberri Rd   | 36 km SSW | East Alligator River | SD53/1  | 12 46 | 132 45 |        |      | <i>Euoniticellus intermedius</i> |    | Found May/79     |
| 20581 | Recovery Area    | 3 km N    | East Ballina         | SH56/03 | 28 51 | 153 35 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/80     |
| 20086 | Bowthorne        | 8 km NE   | East Maitland        | SI56/2  | 32 40 | 151 38 | Jan/74 | 500  | <i>Onthophagus gazella</i>       | C  |                  |
| 20086 | Bowthorne        | 8 km NE   | East Maitland        | SI56/2  | 32 40 | 151 38 | Mar/73 | 300  | <i>Onitis alexis</i>             | C  | Not found        |
| 20086 | Bowthorne        | 8 km NE   | East Maitland        | SI56/2  | 32 40 | 151 38 | Jan/74 | 300  | <i>Sisyphus rubrus</i>           |    |                  |
| 20086 | Bowthorne        | 8 km NE   | East Maitland        | SI56/2  | 32 40 | 151 38 |        |      | <i>Hister nomas</i>              |    | Found Dec/78     |
| 20510 | Hawkesbury A.C.  | km        | East Richmond        | SI56/5  | 33 35 | 150 46 | Jan/78 | 1530 | <i>Onthophagus gazella</i>       | ER | Found Mar/79     |
| 20510 | Hawkesbury A.C.  | km        | East Richmond        | SI56/5  | 33 35 | 150 46 | Nov/78 | 500  | <i>Onitis pecuarius</i>          | ER | Found Feb/80     |
| 20510 | Hawkesbury A.C.  | km        | East Richmond        | SI56/5  | 33 35 | 150 46 | Nov/78 | 300  | <i>Onitis pecuarius</i>          | ER | Found Feb/80     |
| 20510 | Hawkesbury A.C.  | km        | East Richmond        | SI56/5  | 33 35 | 150 46 | Jan/78 | 1000 | <i>Onitis pecuarius</i>          | ER | Found Mar/79     |
| 20510 | Hawkesbury A.C.  | km        | East Richmond        | SI56/5  | 33 35 | 150 46 | Feb/78 | 650  | <i>Onitis pecuarius</i>          | ER | Found Feb/80     |
| 20510 | Hawkesbury A.C.  | km        | East Richmond        | SI56/5  | 33 35 | 150 46 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/82     |
| 20510 | Hawkesbury A.C.  | km        | East Richmond        | SI56/5  | 33 35 | 150 46 |        |      | <i>Hister nomas</i>              |    | Found Feb/80     |
| 20510 | Hawkesbury A.C.  | km        | East Richmond        | SI56/5  | 33 35 | 150 46 |        |      | <i>Onitis alexis</i>             | C  | Found Feb/80     |
| 20510 | Hawkesbury A.C.  | km        | East Richmond        | SI56/5  | 33 35 | 150 46 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/80     |
| 30014 | Te Whare Stud    | 29 km SE  | Echuca               | SI55/1  | 36 17 | 145 0  | Nov/72 | 500  | <i>Onthophagus gazella</i>       | C  | Not found Mar/81 |
| 50052 | Fernfield        | 2 km N    | Eden Valley          | SI54/9  | 34 36 | 139 05 | Mar/79 | 400  | <i>Onitis aygulus</i>            | WR | Not found Mar/81 |
| 50052 | Fernfield        | 2 km N    | Eden Valley          | SI54/9  | 34 36 | 139 05 | May/79 | 425  | <i>Onitis aygulus</i>            | WR | Not found Mar/81 |
| 40179 | Rosevale         | 2 km E    | Edungalba            | SF55/16 | 23 43 | 148 53 | Jan/75 | 500  | <i>Onitis alexis</i>             | T  |                  |
| 40294 | Balcomba         | 48 km NNW | Edungalba            | SF55/16 | 23 24 | 149 38 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 40596 | (Road Release)   | 2 km S    | Eidsvold             | SG56/05 | 25 23 | 151 07 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/80     |
| 40596 | (Road Release)   | 2 km S    | Eidsvold             | SG56/05 | 25 23 | 151 07 | Feb/80 | 4000 | <i>Sisyphus rubrus</i>           |    | Not found Jan/82 |
| 40596 | (Road Release)   | 2 km S    | Eidsvold             | SG56/05 | 25 23 | 151 07 |        |      | <i>Sisyphus spinipes</i>         |    | Found Jan/82     |
| 40596 | (Road Release)   | 2 km S    | Eidsvold             | SG56/05 | 25 23 | 151 07 |        |      | <i>Onitis alexis</i>             | C  | Found Jan/82     |
| 40596 | (Road Release)   | 2 km S    | Eidsvold             | SG56/05 | 25 23 | 151 07 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/80     |

| Index | Property         | Location   | Town                 | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status       |
|-------|------------------|------------|----------------------|---------|-------|--------|--------|------|----------------------------------|----|--------------|
| 40667 | Recovery Area    | 9 km N     | Eidsvold             | SG56/05 | 25 18 | 151 08 |        |      | <i>Onitis alexis</i>             | T  | Found Feb/82 |
| 40667 | Recovery Area    | 9 km N     | Eidsvold             | SG56/05 | 25 18 | 151 08 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82 |
| 40667 | Recovery Area    | 9 km N     | Eidsvold             | SG56/05 | 25 18 | 151 08 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 40312 | Recovery Area    | 165 km SSE | Einasteigh           | SE55/13 | 19 27 | 144 17 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73 |
| 40313 | Recovery Area    | 145 km SSE | Einasteigh           | SE55/13 | 19 19 | 144 21 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73 |
| 40314 | Recovery Area    | 120 km SSE | Einasteigh           | SE55/13 | 19 10 | 144 27 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73 |
| 40315 | Recovery Area    | 64 km SE   | Einasteigh           | SE55/9  | 18 52 | 144 27 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73 |
| 40316 | Recovery Area    | 28 km SE   | Einasteigh           | SE55/9  | 18 39 | 144 13 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73 |
| 40317 | Recovery Area    | km         | Einasteigh           | Se55/9  | 18 31 | 144 6  |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73 |
| 40318 | Recovery Area    | 16 km WSW  | Einasteigh           | SE54/12 | 18 33 | 143 59 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73 |
| 40319 | Recovery Area    | 25 km WSW  | Einasteigh           | SE54/12 | 18 33 | 143 54 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73 |
| 80351 | Peppimenarti     | 14 km E    | Eliz. Downs Boundary | SD52/07 | 13 50 | 130 26 |        |      | <i>Onthophagus gazella</i>       |    | Found Jul/83 |
| 80351 | Peppimenarti     | 14 km E    | Eliz. Downs Boundary | SD52/07 | 13 50 | 130 26 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jul/83 |
| 80007 | Eva Downs Stn    | 150 km ESE | Elliot               | SE53/10 | 18 00 | 134 51 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/80 |
| 80007 | Eva Downs Stn    | 150 km ESE | Elliot               | SE53/10 | 18 00 | 134 51 | Mar/73 | 500  | <i>Euoniticellus intermedius</i> |    | Found Apr/80 |
| 80008 | Creswell Downs   | 255 km SSE | Elliot               | SE53/7  | 17 57 | 135 54 |        |      | <i>Onthophagus gazella</i>       |    | Found Nov/83 |
| 80008 | Creswell Downs   | 255 km SSE | Elliot               | SE53/7  | 17 57 | 135 54 | Mar/73 | 500  | <i>Euoniticellus intermedius</i> |    | Found Nov/83 |
| 80009 | Walhallow Stn    | 228 km E   | Elliot               | SE53/7  | 17 45 | 135 40 |        |      | <i>Onitis alexis</i>             | T  | Found Aug/82 |
| 80009 | Walhallow Stn    | 228 km E   | Elliot               | SE53/7  | 17 45 | 135 40 |        |      | <i>Onthophagus gazella</i>       | GP | Found Jun/75 |
| 80009 | Walhallow Stn    | 228 km E   | Elliot               | SE53/7  | 17 45 | 135 40 | Mar/73 | 450  | <i>Euoniticellus intermedius</i> |    | Found Oct/80 |
| 80012 | Newcastle Waters | 24 km NNW  | Elliot               | SE53/5  | 17 28 | 133 25 | Mar/70 | 522  | <i>Onthophagus gazella</i>       | T  | Found Jun/75 |
| 80012 | Newcastle Waters | 24 km NNW  | Elliot               | SE53/5  | 17 28 | 133 25 | May/73 | 500  | <i>Euoniticellus intermedius</i> |    | Found Jun/75 |
| 80012 | Newcastle Wtrs   | 24 km NNW  | Elliot               | SE53/5  | 17 28 | 133 25 | Mar/78 | 100  | <i>Liatongus militaris</i>       |    | Found Jun/75 |
| 80066 | Ucharonidge Stn  | 80 km ESE  | Elliot               | SE53/6  | 17 48 | 134 15 | Mar/72 | 250  | <i>Onthophagus gazella</i>       | T  | Found Apr/80 |
| 80066 | Ucharonidge Stn  | 80 km ESE  | Elliot               | SE53/6  | 17 48 | 134 15 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Apr/80 |
| 80117 | Anthony Lagoon   | 215 km ESE | Elliot               | SE53/7  | 17 59 | 135 32 |        |      | <i>Onthophagus gazella</i>       | GP | Found Aug/76 |
| 80117 | Anthony Lagoon   | 215 km ESE | Elliot               | SE53/7  | 17 59 | 135 32 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/76 |
| 80253 | Lake Woods       | 24 km SW   | Elliot               | SE53/06 | 17 37 | 133 30 |        |      | <i>Onthophagus gazella</i>       | T  | Found May/73 |
| 80254 | Renner Springs   | 90 km SSE  | Elliot               | SE53/10 | 18 19 | 133 48 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/80 |
| 80254 | Renner Springs   | 90 km SSE  | Elliot               | SE53/10 | 18 19 | 133 48 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/80 |
| 80101 | Recovery Area    | 16 km E    | Elsley               | SD53/13 | 15 0  | 133 28 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73 |
| 80101 | Recovery Area    | 16 km E    | Elsley               | SD53/13 | 15 0  | 133 28 |        |      | <i>Onitis alexis</i>             |    | Found Apr/84 |
| 80102 | Recovery Area    | 32 km E    | Elsley               | SD53/14 | 14 56 | 133 35 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73 |
| 80102 | Recovery Area    | 32 km E    | Elsley               | SD53/14 | 14 56 | 133 35 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82 |
| 80103 | Recovery Area    | 48 km E    | Elsley               | SD53/14 | 14 55 | 133 42 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73 |
| 80104 | Recovery Area    | 64 km E    | Elsley               | SD53/14 | 14 54 | 133 50 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73 |
| 80104 | Recovery Area    | 64 km E    | Elsley               | SD53/14 | 14 54 | 133 50 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82 |
| 80105 | Recovery Area    | 80 km E    | Elsley               | SD53/14 | 14 53 | 133 57 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73 |
| 80106 | Recovery Area    | 96 km E    | Elsley               | SD53/14 | 14 51 | 134 5  |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73 |
| 80106 | Recovery Area    | 96 km E    | Elsley               | SD53/14 | 14 51 | 134 5  |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82 |



|       |                   |            |             |         |       |        |       |        |                                  |    |                  |
|-------|-------------------|------------|-------------|---------|-------|--------|-------|--------|----------------------------------|----|------------------|
| 80107 | Recovery Area     | 112 km E   | Elsie       | SD5/14  | 14 46 | 134 9  | 14 46 | 134 9  | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 40081 | (Road Release)    | km         | Emerald     | SF55/15 | 23 28 | 148 5  | 23 28 | 148 5  | <i>Onthophagus gazella</i>       | GP | Found Feb/82     |
| 40081 | (Road Release)    | km         | Emerald     | SF55/15 | 23 28 | 148 5  | 23 28 | 148 5  | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 40081 | (Road Release)    | km         | Emerald     | SF55/15 | 23 28 | 148 5  | 23 28 | 148 5  | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 40115 | Emerald P. Coll.  | 8 km E     | Emerald     | SF55/15 | 23 32 | 148 14 | 23 32 | 148 14 | <i>Sisyphus rubrus</i>           |    | Found Feb/80     |
| 40115 | Emerald P. Coll.  | 8 km E     | Emerald     | SF55/15 | 23 32 | 148 14 | 23 32 | 148 14 | <i>Sisyphus spinipes</i>         |    | Found Apr/75     |
| 40115 | Emerald P. Coll.  | 8 km E     | Emerald     | SF55/15 | 23 32 | 148 14 | 23 32 | 148 14 | <i>Sisyphus spinipes</i>         | B  | Found Apr/75     |
| 40115 | Emerald P. Coll.  | 8 km E     | Emerald     | SF55/15 | 23 32 | 148 14 | 23 32 | 148 14 | <i>Onthophagus gazella</i>       | T  | Not found May/78 |
| 40115 | Emerald P. Coll.  | 8 km E     | Emerald     | SF55/15 | 23 32 | 148 14 | 23 32 | 148 14 | <i>Onthophagus sagittarius</i>   |    | Found May/78     |
| 40115 | Emerald P. Coll.  | 8 km E     | Emerald     | SF55/15 | 23 32 | 148 14 | 23 32 | 148 14 | <i>Onitis viridulus</i>          |    | Found May/78     |
| 40115 | Emerald P. Coll.  | 8 km E     | Emerald     | SF55/15 | 23 32 | 148 14 | 23 32 | 148 14 | <i>Onitis alexis</i>             | T  | Found May/78     |
| 40115 | Emerald P. Coll.  | 8 km E     | Emerald     | SF55/15 | 23 32 | 148 14 | 23 32 | 148 14 | <i>Sisyphus spinipes</i>         |    | Found Feb/80     |
| 40115 | Emerald P. Coll.  | 8 km E     | Emerald     | SF55/15 | 23 32 | 148 14 | 23 32 | 148 14 | <i>Euoniticellus intermedius</i> |    | Found Apr/75     |
| 40115 | Emerald P. Coll.  | 8 km E     | Emerald     | SF55/15 | 23 32 | 148 14 | 23 32 | 148 14 | <i>Euoniticellus intermedius</i> |    | Found Apr/75     |
| 40115 | Emerald P. Coll.  | 8 km E     | Emerald     | SF55/15 | 23 32 | 148 14 | 23 32 | 148 14 | <i>Euoniticellus intermedius</i> |    | Found Apr/75     |
| 40116 | Emerald P. Coll.  | 8 km E     | Emerald     | SF55/15 | 23 32 | 148 14 | 23 32 | 148 14 | <i>Euoniticellus intermedius</i> |    | Found Apr/75     |
| 40230 | Whitdale Past. Co | 60 km WNW  | Emerald     | SF55/15 | 23 28 | 147 34 | 23 28 | 147 34 | <i>Liatongus militaris</i>       |    | Not found May/78 |
| 40234 | Glendon           | 45 km WSW  | Emerald     | SF55/15 | 23 38 | 147 43 | 23 38 | 147 43 | <i>Onthophagus gazella</i>       | T  | Found Feb/75     |
| 40300 | Anakie            | 42 km W    | Emerald     | SF55/15 | 23 33 | 147 45 | 23 33 | 147 45 | <i>Onthophagus gazella</i>       | T  | Found Feb/75     |
| 40386 | Gindie            | 22 km S    | Emerald     | SF55/15 | 23 44 | 148 9  | 23 44 | 148 9  | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 40386 | Gindie            | 22 km S    | Emerald     | SF5/15  | 23 44 | 148 9  | 23 44 | 148 9  | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 40387 | Gindie            | 40 km ESE  | Emerald     | SF55/15 | 23 36 | 148 33 | 23 36 | 148 33 | <i>Euoniticellus intermedius</i> | GP | Found Jun/75     |
| 40387 | Comet             | 40 km ESE  | Emerald     | SF55/16 | 23 36 | 148 33 | 23 36 | 148 33 | <i>Euoniticellus intermedius</i> | GP | Found Jun/75     |
| 40627 | Comet             | 40 km ESE  | Emerald     | SF55/16 | 23 36 | 148 33 | 23 36 | 148 33 | <i>Euoniticellus intermedius</i> |    | Found Jun/75     |
| 60162 | Recovery Area     | 15 km N    | Emerald     | SF55/15 | 23 23 | 148 09 | 23 23 | 148 09 | <i>Euoniticellus intermedius</i> |    | Found Jun/75     |
| 20387 | Recovery Area     | 14 km NE   | Eneabba     | SF55/15 | 29 44 | 115 26 | 29 44 | 115 26 | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20387 | Barrigun          | 40 km NNE  | Enngonia    | SH50/5  | 29 1  | 145 44 | 29 1  | 145 44 | <i>Onitis alexis</i>             | C  | Found Dec/78     |
| 20387 | Barrigun          | 40 km NNE  | Enngonia    | SH55/6  | 29 1  | 145 44 | 29 1  | 145 44 | <i>Onitis alexis</i>             | C  | Found May/82     |
| 20388 | Barrigun          | 40 km NNE  | Enngonia    | SH55/6  | 29 10 | 145 50 | 29 10 | 145 50 | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 20388 | Recovery Area     | 20 km NNE  | Enngonia    | SH55/6  | 29 19 | 145 51 | 29 19 | 145 51 | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 20389 | Recovery Area     | km         | Enngonia    | SH55/6  | 25 14 | 132 57 | 25 14 | 132 57 | <i>Euoniticellus intermedius</i> |    | Found Nov/77     |
| 80165 | Recovery Area     | 25 km W    | Erdunda Stn | SG53/5  | 25 14 | 133 6  | 25 14 | 133 6  | <i>Euoniticellus intermedius</i> |    | Found Nov/77     |
| 80166 | Recovery Area     | 8 km W     | Erdunda Stn | SG53/5  | 25 14 | 133 12 | 25 14 | 133 12 | <i>Euoniticellus intermedius</i> |    | Found Nov/77     |
| 80167 | Recovery Area     | 2 km SE    | Erdunda Stn | SG53/5  | 25 14 | 133 12 | 25 14 | 133 12 | <i>Euoniticellus intermedius</i> |    | Found Nov/77     |
| 80168 | Recovery Area     | 21 km S    | Erdynda Stn | SG53/5  | 25 25 | 133 12 | 25 25 | 133 12 | <i>Euoniticellus intermedius</i> |    | Found Nov/77     |
| 40088 | Bellalie          | 51 km SW   | Eromanga    | SG54/16 | 27 2  | 142 57 | 27 2  | 142 57 | <i>Onitis alexis</i>             | T  | Found Nov/77     |
| 40088 | Bellalie          | 51 km SW   | Eromanga    | SG54/16 | 27 2  | 142 57 | 27 2  | 142 57 | <i>Onthophagus gazella</i>       | GP | Found Nov/77     |
| 40105 | Mt Howitt         | 102 km WNW | Eromanga    | SG54/11 | 26 31 | 142 16 | 26 31 | 142 16 | <i>Euoniticellus intermedius</i> |    | Found Nov/77     |
| 40106 | Durham Downs      | 145 km WSW | Eromanga    | SG54/15 | 27 5  | 141 54 | 27 5  | 141 54 | <i>Euoniticellus intermedius</i> |    | Found Nov/77     |
| 40439 | Recovery Area     | 160 km SSW | Eromanga    | SG54/16 | 27 48 | 142 40 | 27 48 | 142 40 | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 40694 | Recovery Area     | 3 km N     | Esk         | SG56/14 | 27 13 | 152 24 | 27 13 | 152 24 | <i>Euoniticellus intermedius</i> | C  | Found Mar/82     |
| 40694 | Recovery Area     | 3 km N     | Esk         | SG56/14 | 27 13 | 152 24 | 27 13 | 152 24 | <i>Onthophagus gazella</i>       |    | Found Mar/82     |
| 40694 | Recovery Area     | 3 km N     | Esk         | SG56/14 | 27 13 | 152 24 | 27 13 | 152 24 | <i>Sisyphus spinipes</i>         |    | Found Mar/82     |
| 40694 | Recovery Area     | 3 km N     | Esk         | SG56/14 | 27 13 | 152 24 | 27 13 | 152 24 | <i>Onitis alexis</i>             | C  | Found Mar/82     |
| 40694 | Recovery Area     | 3 km N     | Esk         | SG56/14 | 27 13 | 152 24 | 27 13 | 152 24 | <i>Euoniticellus intermedius</i> |    | Found Mar/82     |
| 40695 | Wivenhoe          | 23 km SE   | Esk         | SG56/14 | 27 22 | 152 33 | 27 22 | 152 33 | <i>Onthophagus sagittarius</i>   |    | Found Mar/82     |

| Index | Property         | Location   | Town                 | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|------------------|------------|----------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 40695 | Wivenhoe         | 23 km SE   | Esk                  | SG56/14 | 27 22 | 152 33 | Aug/72 |      | <i>Euoniticeilus intermedius</i> |    | Found Mar/82     |
| 60006 | Beef Machine     | 55 km E    | Esperance            | SI51/6  | 33 46 | 122 28 | Mar/74 | 516  | <i>Onthophagus binodis</i>       | WR | Not found Oct/80 |
| 60052 | Mt Howick Stn    | 97 km ENE  | Esperance            | SI51/6  | 33 45 | 122 45 | Mar/74 | 500  | <i>Euoniticeilus intermedius</i> |    | Not found Oct/80 |
| 60053 | Dukes Section    | 87 km ENE  | Esperance            | SI51/6  | 33 44 | 122 52 | Mar/74 | 500  | <i>Onthophagus gazella</i>       | C  | Not found Oct/80 |
| 60054 | Bedford Hbr. Stn | 125 km W   | Esperance            | SI51/5  | 33 52 | 120 43 | Apr/81 | 4000 | <i>Onthophagus binodis</i>       | WR |                  |
| 60054 | Bedford Hbr. Stn | 125 km W   | Esperance            | SI51/5  | 33 52 | 120 43 | Mar/74 | 500  | <i>Onthophagus gazella</i>       | C  | Not found Oct/80 |
| 60054 | Bedford Hbr. Stn | 125 km W   | Esperance            | SI51/5  | 33 52 | 120 43 | Mar/74 | 500  | <i>Euoniticeilus intermedius</i> |    | Not found Oct/80 |
| 60055 | Yerritup Ck St   | 80 km NW   | Esperance            | SI51/5  | 33 45 | 121 4  | Mar/74 | 500  | <i>Euoniticeilus intermedius</i> |    | Not found Oct/80 |
| 60056 | Lort River Stn   | 60 km WNW  | Esperance            | SI51/5  | 33 38 | 121 18 | Mar/74 | 500  | <i>Euoniticeilus intermedius</i> |    | Not found Oct/80 |
| 60285 | Shirillee        | 135 km WNW | Esperance            | SI51/05 | 33 50 | 120 45 | Feb/81 | 1600 | <i>Euoniticeilus intermedius</i> | WR | Not found Oct/80 |
| 60286 | Callenup Stud    | 25 km WNW  | Esperance            | SI51/06 | 34 40 | 121 35 | Feb/81 | 1600 | <i>Onthophagus binodis</i>       | WR | Found May/82     |
| 60287 | Graham (Mr Max)  | 50 km E    | Esperance            | SI51/06 | 33 45 | 122 28 | Feb/81 | 1600 | <i>Onthophagus binodis</i>       | WR | Not found May/82 |
| 60288 | Adina            | 40 km E    | Esperance            | SI51/06 | 33 50 | 122 10 | Feb/81 | 1600 | <i>Onthophagus binodis</i>       | WR | Found Jan/82     |
| 60289 | Young R. Station | 72 km WNW  | Esperance            | SI51/05 | 33 40 | 121 15 | Feb/81 | 1600 | <i>Onthophagus binodis</i>       | WR | Not found May/82 |
| 60296 | Clancarty        | 32 km E    | Esperance            | SI51/6  | 33 50 | 122 22 | Mar/81 | 2000 | <i>Onthophagus binodis</i>       | WR | Found Jan/82     |
| 60297 | Yallabyn Plains  | 96 km E    | Esperance            | SI51/6  | 33 46 | 122 33 | Mar/81 | 5000 | <i>Onthophagus binodis</i>       | WR | Found Jan/82     |
| 60298 | Jack Ewart       | 20 km NW   | Esperance            | SI51/6  | 33 46 | 121 52 | May/81 | 1500 | <i>Onthophagus binodis</i>       | WR | Found Jan/82     |
| 60103 | Esperance Downs  | 30 km N    | Esperance (Res. Stn) | SI51/6  | 33 36 | 121 49 | May/77 | 1020 | <i>Onitis aygulus</i>            | WR | Not found Oct/80 |
| 40149 | (Road Release)   | 21 km SSW  | Eton                 | SF55/8  | 21 24 | 148 56 | Apr/74 | 500  | <i>Euoniticeilus intermedius</i> |    |                  |
| 40049 | Spring Vale      | 2 km W     | Eulo                 | SG55/1  | 28 10 | 145 0  | May/73 | 500  | <i>Euoniticeilus intermedius</i> |    |                  |
| 40374 | Recovery Area    | 20 km E    | Eulo                 | SH55/1  | 28 7  | 145 11 |        |      | <i>Euoniticeilus intermedius</i> |    | Found Aug/74     |
| 40437 | Recovery Area    | 5 km E     | Eulo                 | SH55/1  | 28 9  | 145 5  |        |      | <i>Euoniticeilus intermedius</i> |    | Found Nov/76     |
| 20309 | (Road Release)   | 1 km E     | Euston               | SI54/12 | 34 33 | 142 44 | Feb/76 | 500  | <i>Euoniticeilus intermedius</i> |    | Not found        |
| 20309 | (Road Release)   | 1 km E     | Euston               | SI54/12 | 34 33 | 142 44 | Feb/76 | 50   | <i>Euoniticeilus africanus</i>   |    | Not found        |
| 20310 | (Road Release)   | 18 km E    | Euston               | SI54/12 | 34 32 | 142 53 | Feb/76 | 50   | <i>Euoniticeilus africanus</i>   |    | Not found        |
| 20310 | (Road Release)   | 18 km E    | Euston               | SI4/12  | 34 32 | 142 53 | Feb/76 | 500  | <i>Euoniticeilus intermedius</i> |    |                  |
| 20311 | (Road Release)   | 41 km E    | Euston               | SI54/12 | 34 34 | 143 7  | Feb/76 | 500  | <i>Euoniticeilus intermedius</i> |    |                  |
| 20311 | (Road Release)   | 41 km E    | Euston               | SI54/12 | 34 34 | 143 7  | Feb/76 | 50   | <i>Euoniticeilus africanus</i>   |    |                  |
| 40541 | Westbank         | 10 km W    | Fig Tree Pocket      | SG56/14 | 27 30 | 152 58 | Mar/78 | 100  | <i>Sisyphus spinipes</i>         |    |                  |
| 60022 | Fossil Downs     | 22 km E    | Fitzroy Crossing     | SE51/12 | 18 9  | 125 47 | Feb/70 | 567  | <i>Onthophagus gazella</i>       | T  | Found Feb/75     |
| 60022 | Fossil Downs     | 22 km E    | Fitzroy Crossing     | SE51/12 | 18 9  | 125 47 | Dec/73 | 500  | <i>Onitis alexis</i>             | T  | Found Aug/81     |
| 60022 | Fossil Downs     | 22 km E    | Fitzroy Crossing     | SE51/12 | 18 9  | 125 47 | Feb/71 | 978  | <i>Onthophagus gazella</i>       | T  | Found Feb/75     |
| 60022 | Fossil Downs     | 22 km E    | Fitzroy Crossing     | SE51/12 | 18 9  | 125 47 | Dec/73 | 500  | <i>Onthophagus gazella</i>       | GP | Found Aug/81     |
| 60022 | Fossil Downs     | 22 km E    | Fitzroy Crossing     | SE51/12 | 18 9  | 125 47 | Dec/73 | 500  | <i>Euoniticeilus intermedius</i> |    | Found Aug/81     |
| 60022 | Fossil Downs     | 22 km E    | Fitzroy Crossing     | SE51/12 | 18 9  | 125 47 | Feb/70 | 249  | <i>Liatongus militaris</i>       |    |                  |
| 60022 | Fossil Downs     | 22 km E    | Fitzroy Crossing     | SE51/12 | 18 9  | 125 47 | Dec/73 | 500  | <i>Euoniticeilus africanus</i>   |    |                  |
| 60022 | Fossil Downs     | 22 km E    | Fitzroy Crossing     | SE51/12 | 18 9  | 125 47 | Feb/73 | 500  | <i>Euoniticeilus intermedius</i> |    | Found Aug/81     |
| 60076 | Margaret River   | 143 km ESE | Fitzroy Crossing     | SE52/9  | 18 38 | 126 52 | Feb/70 | 268  | <i>Onthophagus sagittarius</i>   | T  |                  |
| 60076 | Margaret River   | 143 km ESE | Fitzroy Crossing     | SE52/9  | 18 38 | 126 52 | Feb/70 | 1047 | <i>Onthophagus gazella</i>       |    |                  |
| 60076 | Margaret River   | 143 km ESE | Fitzroy Crossing     | SE52/9  | 18 38 | 126 52 | Feb/70 | 301  | <i>Liatongus militaris</i>       |    |                  |

|       |                 |            |                  |         |       |        |        |      |                                  |    |                  |
|-------|-----------------|------------|------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 60076 | Margaret River  | 143 km ESE | Fitzroy Crossing | SE52/9  | 18 38 | 126 52 | Feb/70 | 50   | <i>Copris incertus</i>           | T  | Found Feb/75     |
| 60081 | Mt House        | 126 km N   | Fitzroy Crossing | SE51/8  | 17 3  | 125 42 | Mar/70 | 496  | <i>Onthophagus gazella</i>       |    |                  |
| 60081 | Mt House        | 126 km N   | Fitzroy Crossing | SE51/8  | 17 3  | 125 42 | Mar/70 | 149  | <i>Liatongus militaris</i>       |    |                  |
| 60081 | Mt House        | 126 km N   | Fitzroy Crossing | SE51/8  | 17 3  | 125 42 | Apr/72 | 300  | <i>Hister calidus</i>            |    |                  |
| 60107 | Recovery Area   | 5 km S     | Fitzroy Crossing | SE51/12 | 18 10 | 125 35 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jun/73     |
| 60112 | Recovery Area   |            | Fitzroy Crossing | SE51/12 | 18 14 | 125 36 |        |      | <i>Onthophagus gazella</i>       | GP | Found Apr/76     |
| 60263 | Geikie Gorge NP | 15 km NNE  | Fitzroy Crossing | SE51/12 | 18 05 | 125 43 |        |      | <i>Onthophagus gazella</i>       | T  | Found May/73     |
| 20171 | Vychan          | 20 km E    | Forbes           | SI55/7  | 33 25 | 148 13 | Jan/75 | 500  | <i>Onthophagus binodis</i>       | SR |                  |
| 20171 | Vychan          | 20 km E    | Forbes           | SI55/7  | 33 25 | 149 13 | Jan/75 | 500  | <i>Onthophagus gazella</i>       | C  |                  |
| 20171 | Vychan          | 20 km E    | Forbes           | SI55/7  | 33 25 | 148 13 | Jan/75 | 500  | <i>Sisyphus rubrus</i>           |    |                  |
| 20171 | Vychan          | 20 km E    | Forbes           | SI55/7  | 33 25 | 148 13 | Jan/75 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20240 | (Road Release)  | 9 km SE    | Forbes           | SI55/7  | 33 28 | 148 3  | Mar/75 | 500  | <i>Euoniticellus africanus</i>   | C  |                  |
| 20269 | Glencoe         | 7 km SE    | Forbes           | SI55/7  | 33 26 | 148 6  | Dec/70 | 280  | <i>Onitis alexis</i>             |    |                  |
| 20251 | Stuarts Dairy   | km         | Fyshwick ACT     | SI55/16 | 35 21 | 149 10 |        |      | <i>Hister nomas</i>              |    | Found Oct/82     |
| 20251 | Stuarts Dairy   | km         | Fyshwick ACT     | SI55/16 | 35 21 | 149 10 |        |      | <i>Euoniticellus africanus</i>   |    | Found Dec/82     |
| 20251 | Stuarts Dairy   | km         | Fyshwick ACT     | SI55/16 | 35 21 | 149 10 | Sep/75 | 500  | <i>Euoniticellus fulvus</i>      | 1  | Found Dec/82     |
| 20251 | Stuarts Dairy   | km         | Fyshwick ACT     | SI55/16 | 35 21 | 149 10 | Jan/69 | 160  | <i>Onthophagus taurus</i>        | 1  | Found Dec/82     |
| 20251 | Stuarts Dairy   | km         | Fyshwick ACT     | SI55/16 | 35 21 | 149 10 | Jan/69 | 433  | <i>Onthophagus gazella</i>       | C  | Not found        |
| 20251 | Stuarts Dairy   | km         | Fyshwick ACT     | SI55/16 | 35 21 | 149 10 | Feb/69 | 409  | <i>Hister nomas</i>              |    | Not found        |
| 20251 | Stuarts Dairy   | km         | Fyshwick ACT     | SI55/16 | 35 21 | 149 10 | Jan/69 | 483  | <i>Hister nomas</i>              |    | Not found        |
| 20515 | Bobbara Station | km         | Galong           | SI55/12 | 34 35 | 148 34 | Mar/78 | 511  | <i>Hister nomas</i>              | 4  |                  |
| 20515 | Bobbara Station | km         | Galong           | SI55/12 | 34 35 | 148 34 | Apr/78 | 1000 | <i>Onthophagus taurus</i>        | 4  |                  |
| 20515 | Bobbara Station | km         | Galong           | SI55/12 | 34 35 | 148 34 | Apr/78 | 200  | <i>Onthophagus taurus</i>        | 4  |                  |
| 40168 | Qld. Ag. Coll.  | km         | Gatton           | SG56/14 | 27 32 | 152 20 | Dec/75 | 500  | <i>Euoniticellus fulvus</i>      | 5  | Found Nov/76     |
| 40168 | Qld. Ag. Coll.  | km         | Gatton           | SG56/14 | 27 32 | 152 20 | Sep/74 | 572  | <i>Onthophagus gazella</i>       | GP |                  |
| 40168 | Qld. Ag. Coll.  | km         | Gatton           | SG56/14 | 27 32 | 152 20 |        |      | <i>Onthophagus binodis</i>       | SR |                  |
| 40168 | Qld. Ag. Coll.  | km         | Gatton           | SG56/14 | 27 32 | 152 20 |        |      | <i>Hister nomas</i>              |    | Found Jun/75     |
| 50015 | Turretfield     | 8 km NE    | Gawler           | SI54/9  | 34 31 | 138 52 | Jun/77 | 880  | <i>Euoniticellus intermedius</i> | WR | Found Nov/76     |
| 50015 | Turretfield     | 8 km NE    | Gawler           | SI54/9  | 34 31 | 138 52 | May/73 | 300  | <i>Onitis aygulus</i>            | C  | Not found Mar/81 |
| 40062 | Wigton Stn      | 31 km S    | Gayndah          | SG56/6  | 25 53 | 151 40 | Oct/73 | 500  | <i>Onitis alexis</i>             | SR | Not found Mar/81 |
| 40062 | Wigton Stn      | 31 km S    | Gayndah          | SG56/6  | 25 53 | 151 40 | Oct/73 | 500  | <i>Onthophagus binodis</i>       | SR |                  |
| 40405 | Recovery Area   | km         | Gayndah          | SG56/6  | 25 37 | 151 36 |        |      | <i>Onthophagus gazella</i>       | C  |                  |
| 40405 | Recovery Area   | km         | Gayndah          | SG56/6  | 25 37 | 151 36 |        |      | <i>Onthophagus gazella</i>       | GP | Found Jun/75     |
| 40406 | Recovery Area   | 52 km SE   | Gayndah          | SG56/6  | 25 51 | 151 51 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jun/75     |
| 40447 | Recovery Area   | 13 km E    | Gayndah          | SG56/6  | 25 40 | 151 44 | Feb/80 | 4000 | <i>Euoniticellus intermedius</i> | T  | Found Jun/75     |
| 40447 | Recovery Area   | 13 km E    | Gayndah          | SG56/6  | 25 40 | 151 44 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jun/75     |
| 40447 | Recovery Area   | 13 km E    | Gayndah          | SG56/6  | 25 40 | 151 44 |        |      | <i>Onthophagus gazella</i>       |    | Found Jun/75     |
| 40447 | Recovery Area   | 13 km E    | Gayndah          | SG56/6  | 25 40 | 151 44 |        |      | <i>Onthophagus gazella</i>       |    | Found Nov/76     |
| 40612 | Brian Pastures  | 16 km SE   | Gayndah          | SG56/6  | 25 41 | 151 45 | Dec/81 | 375  | <i>Sisyphus rubrus</i>           |    | Found Feb/80     |
| 40612 | Brian Pastures  | 16 km SE   | Gayndah          | SG56/6  | 25 41 | 151 45 | Jan/83 | 217  | <i>Euoniticellus intermedius</i> |    |                  |
| 40612 | Brian Pastures  | 16 km SE   | Gayndah          | SG56/6  | 25 41 | 151 45 | Feb/82 | 2512 | <i>Onitis westermanni</i>        |    |                  |
| 40612 | Brian Pastures  | 16 km SE   | Gayndah          | SG56/6  | 25 41 | 151 45 | Mar/82 | 400  | <i>Onitis westermanni</i>        |    |                  |

| Index | Property         | Location  | Town       | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status       |
|-------|------------------|-----------|------------|---------|-------|--------|--------|------|----------------------------------|----|--------------|
| 40612 | Brian Pastures   | 16 km SE  | Gayndah    | SG56/6  | 25 41 | 151 45 | Dec/81 | 275  | <i>Onitis westermanni</i>        |    |              |
| 40612 | Brian Pastures   | 16 km SE  | Gayndah    | SG56/6  | 25 41 | 151 45 | Dec/81 | 167  | <i>Onitis westermanni</i>        | T  |              |
| 40162 | Abingdon Downs   | 85 km NW  | Georgetown | SE54/8  | 17 36 | 143 11 | Nov/75 | 500  | <i>Onitis alexis</i>             | GP |              |
| 40162 | Abingdon Downs   | 85 km NW  | Georgetown | SE54/8  | 17 36 | 143 11 | May/74 | 200  | <i>Onthophagus gazella</i>       |    |              |
| 40162 | Abingdon Downs   | 85 km NW  | Georgetown | SE54/8  | 17 36 | 143 11 | Jan/76 | 500  | <i>Onitis vanderkelleni</i>      | T  |              |
| 40162 | Abingdon Downs   | 85 km NW  | Georgetown | SE54/8  | 17 36 | 143 11 | Jan/70 | 1000 | <i>Onthophagus gazella</i>       |    |              |
| 40162 | Abingdon Downs   | 85 km NW  | Georgetown | SE54/8  | 17 36 | 143 11 | May/74 | 500  | <i>Euoniticeilus intermedius</i> | T  |              |
| 40197 | Mt Surprise Stn  | 82 km ENE | Georgetown | SE55/9  | 18 4  | 144 18 | Jan/78 | 562  | <i>Onthophagus gazella</i>       | T  | Found Feb/75 |
| 40201 | Lyndhurst        | 133 km SE | Georgetown | SE55/13 | 19 12 | 144 22 | Feb/70 | 900  | <i>Onthophagus gazella</i>       | T  | Not found    |
| 40201 | Lyndhurst        | 133 km SE | Georgetown | SE55/13 | 19 12 | 144 22 | Feb/70 | 125  | <i>Liatongus militaris</i>       | T  | Found Jan/73 |
| 40320 | Recovery Area    | 35 km S   | Georgetown | SE54/12 | 18 35 | 143 33 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73 |
| 40321 | Recovery Area    | 55 km SSW | Georgetown | SE54/12 | 18 36 | 143 25 |        |      | <i>Onthophagus gazella</i>       | T  | Not found    |
| 60001 | Glengarry        | 23 km SE  | Geraldton  | SH50/1  | 28 50 | 114 50 | Jun/72 | 437  | <i>Onthophagus binodis</i>       | WR |              |
| 60001 | Glengarry        | 23 km SE  | Geraldton  | SH50/1  | 28 50 | 114 50 | Jan/79 | 630  | <i>Euoniticeilus pallipes</i>    | 2  |              |
| 60001 | Glengarry        | 23 km SE  | Geraldton  | SH50/1  | 28 50 | 114 50 | Apr/78 | 500  | <i>Euoniticeilus pallipes</i>    | 2  |              |
| 60001 | Glengarry        | 23 km SE  | Geraldton  | SH50/1  | 28 50 | 114 50 | Mar/78 | 1350 | <i>Euoniticeilus pallipes</i>    | 2  |              |
| 60002 | Hinton Farm      | 19 km S   | Geraldton  | SH50/1  | 28 55 | 114 42 | Jul/72 | 480  | <i>Onthophagus gazella</i>       | C  | Not found    |
| 60025 | Deepdale         | 5 km E    | Geraldton  | SH50/1  | 28 48 | 114 41 | May/73 | 300  | <i>Onitis alexis</i>             | C  | Found Oct/78 |
| 60025 | Deepdale         | 5 km E    | Geraldton  | SH50/1  | 28 48 | 114 41 | May/73 | 500  | <i>Euoniticeilus africanus</i>   |    | Not found    |
| 60025 | Deepdale         | 5 km E    | Geraldton  | SH50/1  | 28 48 | 114 41 | May/73 | 500  | <i>Euoniticeilus intermedius</i> |    | Not found    |
| 60139 | Drummond Cove    | 11 km N   | Geraldton  | SH50/1  | 28 40 | 114 37 |        |      | <i>Onitis alexis</i>             | C  | Found Jan/77 |
| 60166 | Yetna            | 25 km NE  | Geraldton  | SH50/1  | 28 34 | 114 45 |        |      | <i>Onitis alexis</i>             | C  | Found Dec/78 |
| 60167 | Chapman Res. Stn | 50 km NE  | Geraldton  | SH50/1  | 28 24 | 114 53 |        |      | <i>Onitis alexis</i>             | C  | Found Dec/78 |
| 60175 | Moonyoonooka     | 11 km E   | Geraldton  | SH50/01 | 28 47 | 114 45 |        |      | <i>Onitis alexis</i>             | C  | Found Dec/78 |
| 60001 | Glengarry        | 23 km SE  | Gerladton  | SH50/1  | 28 50 | 114 50 |        |      | <i>Onitis alexis</i>             | C  | Found Nov/78 |
| 20145 | Treca Mouia      | 40 km SW  | Gilgandra  | SH55/15 | 31 52 | 148 25 | Dec/74 | 500  | <i>Onthophagus gazella</i>       | C  |              |
| 20146 | Biddon House     | 20 km NE  | Gilgandra  | SH55/18 | 32 34 | 148 49 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/76 |
| 20146 | Biddon House     | 20 km NE  | Gilgandra  | SH55/18 | 32 34 | 148 49 | Dec/74 | 500  | <i>Onthophagus gazella</i>       | C  | Found Dec/75 |
| 20146 | Biddon House     | 20 km NE  | Gilgandra  | SH55/18 | 32 34 | 148 49 | Jan/76 | 300  | <i>Sisypus rubrus</i>            | C  |              |
| 20146 | Biddon House     | 20 km NE  | Gilgandra  | SH55/18 | 32 34 | 148 49 |        |      | <i>Euoniticeilus africanus</i>   | C  | Found Feb/78 |
| 20146 | Biddon House     | 20 km NE  | Gilgandra  | SH55/18 | 32 34 | 148 49 |        |      | <i>Onitis alexis</i>             | C  | Found Feb/78 |
| 20146 | Biddon House     | 20 km NE  | Gilgandra  | SH55/18 | 32 34 | 148 49 | Feb/76 | 500  | <i>Onitis alexis</i>             | C  |              |
| 20282 | (Road Release)   | 12 km W   | Gilgandra  | SH55/16 | 31 40 | 148 32 | Feb/76 | 500  | <i>Euoniticeilus intermedius</i> | C  | Found Dec/75 |
| 20282 | (Road Release)   | 12 km W   | Gilgandra  | SH55/16 | 31 40 | 148 32 | Feb/76 | 500  | <i>Onthophagus gazella</i>       | C  | Found Nov/78 |
| 20282 | (Road Release)   | 12 km W   | Gilgandra  | SH55/16 | 31 40 | 148 32 | Feb/76 | 500  | <i>Euoniticeilus intermedius</i> | C  |              |
| 20283 | (Road Release)   | 39 km W   | Gilgandra  | SH55/15 | 31 42 | 148 32 | Feb/76 | 500  | <i>Onitis alexis</i>             | C  |              |
| 20532 | Recovery Area    | 39 km NE  | Gilgandra  | SH55/16 | 31 27 | 148 31 |        |      | <i>Euoniticeilus africanus</i>   |    | Found Nov/78 |
| 20546 | Recovery Area    | 20 km NW  | Gilgandra  | SH55/16 | 31 35 | 148 36 |        |      | <i>Euoniticeilus africanus</i>   |    | Found Feb/78 |
| 40418 | Recovery Area    | km        | Gin Gin    | SG56/6  | 25 0  | 151 58 |        |      | <i>Sisypus spinipes</i>          |    | Found Nov/79 |

|       |                  |           |            |         |       |        |        |      |                                  |    |                  |
|-------|------------------|-----------|------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 40418 | Recovery Area    | km        | Gin Gin    | SG56/6  | 25 0  | 151 58 |        |      | <i>Onthophagus gazella</i>       | GP | Found Nov/79     |
| 40418 | Recovery Area    | km        | Gin Gin    | SG56/6  | 25 0  | 151 58 |        |      | <i>Liatongus militaris</i>       |    | Found Feb/82     |
| 40418 | Recovery Area    | km        | Gin Gin    | SG56/6  | 25 0  | 151 58 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/75     |
| 40611 | Walla Station    | 15 km SW  | Gin Gin    | SG56/6  | 25 00 | 151 51 | Dec/81 | 1880 | <i>Coprus diversus</i>           |    |                  |
| 40611 | Walla Station    | 15 km SW  | Gin Gin    | SG56/6  | 25 00 | 151 51 | Dec/81 | 1000 | <i>Coprus diversus</i>           |    |                  |
| 40611 | Walla Station    | 15 km SW  | Gin Gin    | SG56/6  | 25 00 | 151 51 | Nov/81 | 1000 | <i>Coprus diversus</i>           |    |                  |
| 40622 | Recovery Area    | 53 km NNW | Gin Gin    | SG56/02 | 25 45 | 151 43 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 40622 | Recovery Area    | 53 km NNW | Gin Gin    | SG56/02 | 25 45 | 151 43 |        |      | <i>Euoniticellus pallipes</i>    | 3  | Found Feb/82     |
| 60261 | Limestone Park   | 20 km W   | Gin Gin    | SH50/14 | 31 18 | 115 40 | Mar/80 | 2000 | <i>Euoniticellus pallipes</i>    | 3  | Not found Mar/81 |
| 60192 | Moondah Brook    | 4 km E    | Gingin     | SH50/14 | 31 28 | 115 57 | Feb/79 | 1600 | <i>Onthophagus binodis</i>       | WR |                  |
| 60261 | Limestone Park   | 20 km W   | Gingin     | SH50/14 | 31 18 | 115 40 | Apr/80 | 1000 | <i>Onthophagus taurus</i>        | 3  | Found Mar/81     |
| 60261 | Limestone Park   | 20 km W   | Gingin     | SH50/14 | 31 18 | 115 40 | Apr/80 | 1800 | <i>Onthophagus taurus</i>        | 3  | Found Mar/81     |
| 60291 | Recovery Area    | 3 km W    | Gingin     | SH50/14 | 31 20 | 115 42 |        |      | <i>Onthophagus binodis</i>       | WR | Found Mar/81     |
| 60291 | Recovery Area    | 3 km W    | Gingin     | SH50/14 | 31 20 | 115 42 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82     |
| 60307 | Recovery Area    | 24 km N   | Gingin     | SH50/14 | 31 13 | 115 48 |        |      | <i>Onthophagus binodis</i>       | WR | Found Nov/81     |
| 60307 | Recovery Area    | 24 km N   | Gingin     | SH50/14 | 31 13 | 115 38 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/81     |
| 60308 | Recovery Area    | 13 km S   | Gingin     | SH50/14 | 31 28 | 115 55 |        |      | <i>Onthophagus binodis</i>       | WR | Found Nov/81     |
| 60308 | Recovery Area    | 13 km S   | Gingin     | SH50/14 | 31 28 | 115 55 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/81     |
| 60332 | Recovery Area    | 8 km NW   | Gingin     | SH50/14 | 31 17 | 115 51 |        |      | <i>Onthophagus binodis</i>       | WR | Found Nov/81     |
| 60332 | Recovery Area    | 8 km NW   | Gingin     | SH50/14 | 31 17 | 115 51 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82     |
| 40121 | Calliope Station | 35 km SW  | Gladstone  | SG56/1  | 24 2  | 150 58 | Feb/80 | 4000 | <i>Sisyphus rubrus</i>           |    | Found Mar/82     |
| 40121 | Calliope Stn     | 35 km SW  | Gladstone  | SG56/1  | 24 2  | 150 58 |        |      | <i>Onthophagus gazella</i>       | T  | Found Nov/76     |
| 40121 | Calliope Station | 35 km SW  | Gladstone  | SG56/1  | 24 2  | 150 58 | Mar/74 | 300  | <i>Onthophagus gazella</i>       |    | Found Nov/76     |
| 40121 | Calliope Stn     | 35 km SW  | Gladstone  | SG56/1  | 24 2  | 150 58 | Mar/74 | 500  | <i>Sisyphus spinipes</i>         | T  |                  |
| 40121 | Calliope Stn     | 35 km SW  | Gladstone  | SG56/1  | 24 2  | 150 58 | Mar/74 | 400  | <i>Onitis alexis</i>             |    | Found Nov/76     |
| 40250 | Forest Vale      | 45 km WNW | Gladstone  | SF56/13 | 23 43 | 150 56 | Feb/71 | 1000 | <i>Euoniticellus intermedius</i> | T  |                  |
| 40251 | The Lazy H       | 35 km WNW | Gladstone  | SF56/13 | 23 47 | 150 56 | Feb/71 | 1000 | <i>Onthophagus gazella</i>       | T  |                  |
| 40257 | Rodds Bay Stn    | 28 km SSE | Gladstone  | SG56/1  | 24 4  | 151 24 | Jan/69 | 2910 | <i>Onthophagus gazella</i>       | T  | Found Feb/75     |
| 40257 | Rodds Bay Stn    | 28 km SSE | Gladstone  | SG56/1  | 24 4  | 151 24 | Jan/69 | 187  | <i>Hister caffer</i>             |    | Not found        |
| 40257 | Rodds Bay Stn    | 28 km SSE | Gladstone  | SG56/1  | 24 4  | 151 24 | Jan/69 | 2800 | <i>Liatongus militaris</i>       |    | Found Feb/75     |
| 20723 | Recovery Area    | 28 km E   | Glen Innes | SH56/5  | 29 39 | 151 57 |        |      | <i>Hister nomas</i>              |    | Found Mar/82     |
| 20724 | Recovery Area    | 49 km E   | Glen Innes | SH56/6  | 29 38 | 152 06 |        |      | <i>Hister nomas</i>              |    | Found Feb/82     |
| 20769 | Recovery Area    | 1 km N    | Glen Innes | SH56/6  | 29 43 | 151 45 |        |      | <i>Euoniticellus africanus</i>   | C  | Found Mar/82     |
| 20770 | Recovery Area    | 31 km W   | Glen Innes | SH56/5  | 29 47 | 151 25 |        |      | <i>Onthophagus gazella</i>       |    | Found Mar/82     |
| 20770 | Recovery Area    | 31 km W   | Glen Innes | SH56/5  | 29 47 | 151 25 |        |      | <i>Euoniticellus africanus</i>   |    | Found Mar/82     |
| 20770 | Recovery Area    | 31 km W   | Glen Innes | SH56/5  | 29 47 | 151 25 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82     |
| 60128 | Recovery Area    | 12 km SE  | Glenayle   | SG51/6  | 25 22 | 122 11 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 60129 | Recovery Area    | 30 km SE  | Glenayle   | SG51/6  | 25 29 | 122 17 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 60130 | Recovery Area    | 50 km SE  | Glenayle   | SG51/6  | 25 35 | 122 28 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 40589 | (Road Release)   | 2 km W    | Glenmorgan | SG55/16 | 27 15 | 149 40 | Feb/80 | 4000 | <i>Onthophagus rubrus</i>        | C  | Found Feb/80     |
| 40589 | (Road Release)   | 2 km W    | Glenmorgan | SG55/16 | 27 15 | 149 40 |        |      | <i>Sisyphus rubrus</i>           |    |                  |
| 0589  | (Road Release)   | 2 km W    | Glenmorgan | SG55/16 | 27 15 | 149 40 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/80     |

| Index | Property          | Location  | Town                   | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                   | St | Status           |
|-------|-------------------|-----------|------------------------|---------|-------|--------|--------|------|--------------------------------|----|------------------|
| 20105 | Tallawadja        | 4 km SW   | Glenreagh              | SH56/10 | 30 4  | 152 57 |        |      | <i>Onthophagus gazella</i>     | C  | Found Mar/81     |
| 20105 | Tallawadja        | 4 km SW   | Glenreagh              | SH56/10 | 30 4  | 152 57 | Jan/74 | 500  | <i>Onitis alexis</i>           | C  | Found Mar/81     |
| 20105 | Tallawadja        | 4 km SW   | Glenreagh              | SH56/10 | 30 4  | 152 57 |        |      | <i>Euonitellus intermedius</i> |    | Found Mar/81     |
| 20430 | Recovery Area     | 16 km E   | Gloucester             | SI56/2  | 32 0  | 152 8  |        |      | <i>Hister nomas</i>            | C  | Found Dec/76     |
| 20619 | Stratford         | 12 km S   | Gloucester             | SI56/02 | 32 07 | 151 56 |        |      | <i>Onthophagus gazella</i>     |    | Found Feb/81     |
| 20619 | Stratford         | 12 km S   | Gloucester             | SI56/02 | 32 07 | 151 56 |        |      | <i>Euonitellus intermedius</i> | C  | Found Feb/81     |
| 20736 | Belbora           | 35 km E   | Gloucester             | SI56/2  | 32 01 | 152 11 |        |      | <i>Onthophagus gazella</i>     |    | Found Feb/82     |
| 20736 | Belbora           | 35 km E   | Gloucester             | SI56/2  | 32 01 | 152 11 |        |      | <i>Euonitellus intermedius</i> | C  | Found Feb/82     |
| 20737 | Recovery Area     | 7 km E    | Gloucester             | SI56/2  | 32 00 | 152 01 |        |      | <i>Hister nomas</i>            |    | Found Feb/82     |
| 20737 | Recovery Area     | 7 km E    | Gloucester             | SI56/2  | 32 00 | 152 01 |        |      | <i>Euonitellus intermedius</i> |    | Found Feb/82     |
| 60357 | Mulyie Station    | 7 km E    | Gloucester             | SI56/2  | 32 00 | 152 01 |        |      | <i>Onthophagus gazella</i>     |    | Found Aug/83     |
| 60357 | Mulyie Stn        |           | Goldsworthy            | SF50/04 | 20 28 | 119 31 |        |      | <i>Euonitellus intermedius</i> |    | Found Aug/83     |
| 60357 | Mulyie Stn        |           | Goldsworthy            | SF50/04 | 20 28 | 119 31 |        |      | <i>Euonitellus intermedius</i> |    | Found Aug/83     |
| 40183 | Kinglebilla       | 45 km NE  | Goodooga (NSW)         | SH55/3  | 28 59 | 147 55 | Feb/75 | 500  | <i>Euonitellus intermedius</i> |    | Found Feb/80     |
| 20585 | Recovery Area     | 6 km E    | Gooloogong             | SI55/07 | 33 34 | 148 30 |        |      | <i>Euonitellus intermedius</i> |    | Found May/82     |
| 60347 | Jennacubbine Rd   | 30 km SW  | Goomalling             | SH50/14 | 31 27 | 116 41 |        |      | <i>Euonitellus intermedius</i> | C  | Found Feb/82     |
| 40614 | Recovery Area     | 3 km NNW  | Goomeri                | SG56/06 | 25 59 | 152 00 |        |      | <i>Onthophagus gazella</i>     |    | Found Feb/82     |
| 40614 | Recovery Area     | 33 km NNW | Goomeri                | SG56/06 | 25 59 | 152 00 |        |      | <i>Euonitellus intermedius</i> |    | Found Feb/82     |
| 40614 | Recovery Area     | 33 km NNW | Goomeri                | SG56/06 | 25 59 | 152 00 |        |      | <i>Onitis alexis</i>           | C  | Found Feb/82     |
| 40690 | Recovery Area     | 6 km E    | Goomeri                | SG56/10 | 26 11 | 152 8  |        |      | <i>Onthophagus gazella</i>     | C  | Found Mar/82     |
| 40690 | Recovery Area     | 6 km E    | Goomeri                | SG56/10 | 26 11 | 152 8  |        |      | <i>Hister nomas</i>            |    | Found Mar/82     |
| 20556 | Recovery Area     | 39 km E   | Goondiwindi            | SH56/1  | 28 56 | 150 38 |        |      | <i>Euonitellus intermedius</i> |    | Found Jun/79     |
| 40009 | Minnel            | 50 km NW  | Goondiwindi            | SH55/4  | 28 16 | 149 55 | Mar/72 | 452  | <i>Euonitellus intermedius</i> |    | Found Feb/75     |
| 40421 | Recovery Area     | 20 km ENE | Goondiwindi            | SH56/1  | 28 29 | 150 28 |        |      | <i>Euonitellus intermedius</i> |    | Found Mar/76     |
| 40546 | Recovery Area     | 2 km N    | Goondiwindi            | SH56/1  | 28 31 | 150 20 |        |      | <i>Onthophagus gazella</i>     | C  | Found Dec/78     |
| 40546 | Recovery Area     | 2 km N    | Goondiwindi            | SH56/1  | 28 31 | 150 20 |        |      | <i>Euonitellus intermedius</i> |    | Found Dec/78     |
| 40669 | Recovery Area     | 16 km WNW | Goondiwindi            | SH56/1  | 28 30 | 150 9  |        |      | <i>Onthophagus gazella</i>     | C  | Found Mar/82     |
| 40669 | Recovery Area     | 16 km WNW | Goondiwindi            | SH56/1  | 28 30 | 150 9  |        |      | <i>Onitis alexis</i>           | C  | Found Mar/82     |
| 40670 | Recovery Area     | 39 km WNW | Goondiwindi            | SH56/1  | 28 26 | 150 00 |        |      | <i>Onthophagus gazella</i>     | C  | Found Mar/82     |
| 20130 | Palmdale Stud     | 13 km NNW | Gosford                | SI56/5  | 33 22 | 151 23 | Apr/74 | 450  | <i>Onthophagus gazella</i>     | C  | Found Mar/75     |
| 20130 | Palmdale Stud     | 13 km NNW | Gosford                | SI56/5  | 33 22 | 151 23 |        |      | <i>Hister nomas</i>            |    | Found Mar/75     |
| 20130 | Palmdale Stud     | 13 km NNW | Gosford                | SI56/5  | 33 22 | 151 23 | Apr/74 | 270  | <i>Euonitellus africanus</i>   |    | Found Mar/76     |
| 20130 | Palmdale Stud     | 13 km NNW | Gosford                | SI56/5  | 33 22 | 151 23 | Apr/74 | 430  | <i>Onitis alexis</i>           | C  | Found Dec/78     |
| 20513 | Pokey Hill Stud   | 15 km SW  | Gosford                | SI56/5  | 33 31 | 151 10 | Dec/77 | 1931 | <i>Onthophagus gazella</i>     |    | Found Dec/78     |
| 20615 | Centrl Mangrove   | 35 km NW  | Gosford                | SI56/05 | 33 18 | 151 13 |        |      | <i>Euonitellus intermedius</i> |    | Found Mar/82     |
| 20559 | Recovery Area     | 8 km S    | Gosford (Old Pac. Hwy) | SI56/5  | 33 30 | 151 20 |        |      | <i>Onthophagus gazella</i>     | C  | Found Mar/82     |
| 20015 | Loloma            | 5 km SW   | Goulburn               | SI55/12 | 34 47 | 149 40 | Sep/75 | 500  | <i>Onthophagus taurus</i>      | WR | Not found Mar/79 |
| 20015 | Loloma            | 5 km SW   | Goulburn               | SI55/12 | 34 47 | 149 40 | May/72 | 300  | <i>Hister cruentus</i>         | 1  | Found Feb/81     |
| 20015 | Loloma            | 5 km SW   | Goulburn               | SI55/12 | 34 47 | 149 40 | Jan/70 | 500  | <i>Euonitellus intermedius</i> |    | Found Mar/79     |
| 20562 | Thornleigh        | 5 km S    | Goulburn               | SI55/12 | 34 49 | 149 41 | Nov/79 | 1920 | <i>Hister nomas</i>            |    | Found Feb/84     |
| 20569 | Royal Oak Pas. C. | 8 km NW   | Goulburn               | SI55/12 | 34 41 | 149 41 | Dec/79 | 2026 | <i>Euonitellus fulvus</i>      | 1  | Found Feb/84     |

|       |                  |           |          |         |       |        |        |      |                                  |    |                  |
|-------|------------------|-----------|----------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20855 | Sewerage Farm    | 3 km N    | Goulburn | SH55/12 | 34 45 | 149 45 | Dec/82 | 1800 | <i>Euoniticellus fulvus</i>      | I  | Found Dec/78     |
| 20855 | Sewerage Farm    | 3 km N    | Goulburn | SH55/12 | 34 45 | 149 45 | Feb/83 | 400  | <i>Euoniticellus fulvus</i>      | I  | Not found Feb/82 |
| 20855 | Sewerage Farm    | 3 km N    | Goulburn | SH55/12 | 34 45 | 149 45 | Jan/83 | 1200 | <i>Euoniticellus fulvus</i>      | I  | Found Dec/76     |
| 20018 | Ag. Research Stn | 10 km N   | Grafton  | SH56/6  | 29 36 | 152 56 | Nov/76 | 1600 | <i>Onitis viridulus</i>          |    | Found Dec/78     |
| 20018 | Ag. Research Stn | 10 km N   | Grafton  | SH56/6  | 29 36 | 152 56 | Dec/77 | 400  | <i>Onitis vanderkelleni</i>      | C  | Found Dec/76     |
| 20018 | Ag. Research Stn | 10 km N   | Grafton  | SH56/6  | 29 36 | 152 56 | Aug/72 | 526  | <i>Onthophagus gazella</i>       | T  | Found Feb/82     |
| 20018 | Ag. Research Stn | 10 km N   | Grafton  | SH56/6  | 29 36 | 152 56 | Mar/76 | 181  | <i>Onitis alexis</i>             | C  | Found Dec/78     |
| 20018 | Ag. Research Stn | 10 km N   | Grafton  | SH56/6  | 29 36 | 152 56 | Apr/75 | 500  | <i>Onitis alexis</i>             | C  | Found Dec/76     |
| 20018 | Ag. Research Stn | 10 km N   | Grafton  | SH56/6  | 29 36 | 152 56 | Nov/70 | 700  | <i>Hister nomas</i>              |    | Found Feb/80     |
| 20048 | Ag. Research Stn | 10 km N   | Grafton  | SH56/6  | 29 36 | 152 56 | Nov/72 | 500  | <i>Euoniticellus intermedius</i> | C  | Found Dec/76     |
| 20048 | Capricara        | 19 km S   | Grafton  | SH56/6  | 29 52 | 152 57 | Nov/72 | 333  | <i>Onthophagus gazella</i>       |    | Not found Mar/81 |
| 20048 | Capricara        | 19 km S   | Grafton  | SH56/6  | 29 52 | 152 57 | Nov/72 |      | <i>Hister cruentus</i>           |    | Found Mar/81     |
| 20048 | Capricara        | 19 km S   | Grafton  | SH56/6  | 29 52 | 152 57 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Dec/78     |
| 20048 | Capricara        | 19 km S   | Grafton  | SH56/6  | 29 52 | 152 57 |        |      | <i>Onitis alexis</i>             | C  | Found Dec/78     |
| 20048 | Capricara        | 19 km S   | Grafton  | SH56/6  | 29 52 | 152 57 |        |      | <i>Hister nomas</i>              | C  | Found Dec/78     |
| 20082 | Dundoo P.C.      | 32 km S   | Grafton  | SH56/07 | 29 58 | 153 02 |        |      | <i>Onthophagus gazella</i>       | C  | Found Dec/78     |
| 20082 | Dundoo P.C.      | 32 km S   | Grafton  | SH56/07 | 29 58 | 153 02 | Mar/74 | 500  | <i>Onthophagus binodis</i>       | WR | Not found Mar/81 |
| 20082 | Dundoo P.C.      | 32 km S   | Grafton  | SH56/07 | 29 58 | 153 02 | Mar/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20082 | Dundoo P.C.      | 32 km S   | Grafton  | SH56/07 | 29 58 | 153 02 |        |      | <i>Onitis alexis</i>             | C  | Found Dec/78     |
| 20082 | Dundoo P.C.      | 32 km S   | Grafton  | SH56/07 | 29 58 | 153 02 |        |      | <i>Hister nomas</i>              |    | Found Dec/78     |
| 20120 | Midlands         | 32 km NW  | Grafton  | SH56/07 | 29 58 | 153 02 | Mar/73 | 500  | <i>Euoniticellus africanus</i>   | C  | Found Mar/81     |
| 20120 | Midlands         | 32 km NW  | Grafton  | SH56/6  | 29 35 | 152 47 |        |      | <i>Onthophagus gazella</i>       |    | Found Dec/78     |
| 20120 | Midlands         | 32 km NW  | Grafton  | SH56/6  | 29 35 | 152 47 | Feb/74 | 330  | <i>Onthophagus gazella</i>       | C  | Found Dec/78     |
| 20120 | Midlands         | 32 km NW  | Grafton  | SH56/6  | 29 35 | 152 47 | Feb/74 | 550  | <i>Sisyphus rubrus</i>           |    | Not found Oct/77 |
| 20120 | Midlands         | 32 km NW  | Grafton  | SH56/6  | 29 35 | 152 47 |        |      | <i>Euoniticellus africanus</i>   |    | Not found Oct/77 |
| 20245 | Nogulga Park     | 50 km WNW | Grafton  | SH56/6  | 29 34 | 152 47 | Apr/75 | 500  | <i>Hister nomas</i>              | C  | Found Dec/76     |
| 20355 | (Road Release)   | 3 km N    | Grafton  | SH56/6  | 29 39 | 152 56 |        |      | <i>Onitis alexis</i>             | GP | Found Feb/77     |
| 20355 | (Road Release)   | 3 km N    | Grafton  | SH56/6  | 29 39 | 152 56 | Feb/77 | 342  | <i>Onitis vanderkelleni</i>      |    |                  |
| 20355 | (Road Release)   | 3 km N    | Grafton  | SH56/6  | 29 39 | 152 56 |        |      | <i>Hister nomas</i>              |    | Found Feb/77     |
| 20355 | (Road Release)   | 3 km N    | Grafton  | SH56/6  | 29 39 | 152 54 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/80     |
| 20358 | (Road Release)   | 4 km SW   | Grafton  | SH56/6  | 29 45 | 152 55 | Feb/77 | 500  | <i>Onthophagus sagittarius</i>   |    | Not found Mar/82 |
| 20358 | (Road Release)   | 4 km SW   | Grafton  | SG56/6  | 29 45 | 152 55 |        |      | <i>Onitis viridulus</i>          |    | Found Mar/82     |
| 20358 | (Road Release)   | 4 km SW   | Grafton  | SH56/6  | 29 45 | 152 55 | Feb/77 | 2000 | <i>Onthophagus gazella</i>       | GP | Found Feb/77     |
| 20358 | (Road Release)   | 4 km SW   | Grafton  | SH56/6  | 29 45 | 152 55 | Feb/77 | 2600 | <i>Sisyphus spinipes</i>         |    | Found Mar/81     |
| 20358 | (Road Release)   | 4 km SW   | Grafton  | SH56/6  | 29 45 | 152 55 |        |      | <i>Onitis alexis</i>             | C  | Found Mar/82     |
| 20358 | (Road Release)   | 4 km SW   | Grafton  | SH56/6  | 29 45 | 152 55 |        |      | <i>Hister nomas</i>              |    | Found Feb/77     |
| 20358 | (Road Release)   | 4 km SW   | Grafton  | SH56/6  | 29 45 | 152 55 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20358 | (Road Release)   | 4 km SW   | Grafton  | SH56/6  | 29 45 | 152 55 | Feb/77 | 500  | <i>Euoniticellus intermedius</i> |    | Found Dec/78     |
| 20358 | (Road Release)   | 4 km SW   | Grafton  | SH56/6  | 29 45 | 152 55 | Feb/77 | 1200 | <i>Liatongus militaris</i>       |    | Found Mar/81     |
| 20419 | Jackadgery       | 50 km WNW | Grafton  | SH56/6  | 29 34 | 152 32 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/81     |
| 20419 | Jackadgery       | 50 km WNW | Grafton  | SH56/6  | 29 34 | 152 32 |        |      | <i>Hister nomas</i>              |    | Found Dec/76     |
| 20419 | Jackadgery       | 50 km WNW | Grafton  | SH56/6  | 29 34 | 152 32 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20419 | Jackadgery       | 50 km WNW | Grafton  | SH56/6  | 29 34 | 152 32 |        |      | <i>Euoniticellus africanus</i>   |    | Found Feb/82     |

| Index | Property       | Location  | Town        | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|----------------|-----------|-------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20438 | Recovery Area  | 12 km NW  | Grafton     | SH56/6  | 29 5  | 152 56 |        |      | <i>Onthophagus gazella</i>       | GP | Found Dec/76     |
| 20438 | Recovery Area  | 12 km NW  | Grafton     | SH56/6  | 29 5  | 152 56 |        |      | <i>Onitis viridulus</i>          |    | Found Feb/82     |
| 20438 | Recovery Area  | 12 km NW  | Grafton     | SH56/6  | 29 5  | 152 56 |        |      | <i>Hister nomas</i>              |    | Found Dec/76     |
| 20438 | Recovery Area  | 12 km NW  | Grafton     | SH56/6  | 29 5  | 152 56 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20510 | (Road Release) | 8 km NW   | Grafton     | SH56/6  | 29 38 | 152 52 |        |      | <i>Hister nomas</i>              |    | Found Feb/82     |
| 20518 | (Road Release) | 8 km NW   | Grafton     | SH56/6  | 29 38 | 152 52 | Dec/78 | 2300 | <i>Onthophagus nigriventris</i>  |    | Not found Feb/82 |
| 20518 | (Road Release) | 8 km NW   | Grafton     | SH56/6  | 29 38 | 152 52 | Dec/78 | 320  | <i>Onthophagus binodis</i>       | WR | Not found Feb/82 |
| 20518 | (Road Release) | 8 km NW   | Grafton     | SH56/14 | 29 38 | 152 22 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20528 | Recovery Area  | 4 km NNW  | Grafton     | SH56/6  | 29 40 | 152 53 |        |      | <i>Onthophagus gazella</i>       | C  | Found Dec/78     |
| 20528 | Recovery Area  | 4 km NNW  | Grafton     | SH56/6  | 29 40 | 152 53 |        |      | <i>Hister nomas</i>              |    | Found Dec/78     |
| 20580 | Pillar Valley  | 28 km S   | Grafton     | SH56/06 | 29 53 | 152 56 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/80     |
| 20580 | Pillar Valley  | 28 km S   | Grafton     | SH56/06 | 29 53 | 152 56 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/80     |
| 20629 | Recovery Area  | 20 km N   | Grafton     | SH56/06 | 29 29 | 152 58 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/81     |
| 20629 | Recovery Area  | 20 km N   | Grafton     | SH56/06 | 29 29 | 152 58 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/81     |
| 20629 | Recovery Area  | 20 km N   | Grafton     | SH56/06 | 29 29 | 152 58 |        |      | <i>Onitis alexis</i>             | C  | Found Feb/81     |
| 20629 | Recovery Area  | 20 km N   | Grafton     | SH56/06 | 29 29 | 152 58 |        |      | <i>Hister nomas</i>              |    | Found Feb/81     |
| 20725 | Recovery Area  | 24 km WNW | Grafton     | SH56/6  | 29 38 | 152 44 |        |      | <i>Onitis viridulus</i>          |    | Found Feb/82     |
| 20725 | Recovery Area  | 24 km WNW | Grafton     | SH56/6  | 29 38 | 152 44 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20725 | Recovery Area  | 24 km WNW | Grafton     | SH56/6  | 29 38 | 152 44 |        |      | <i>Euoniticellus africanus</i>   |    | Found Feb/82     |
| 20726 | Recovery Area  | 3 km W    | Grafton     | SH56/6  | 29 42 | 152 55 |        |      | <i>Onitis viridulus</i>          |    | Found Feb/82     |
| 20726 | Recovery Area  | 3 km W    | Grafton     | SH56/6  | 29 42 | 152 55 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20727 | Recovery Area  | 15 km SE  | Grafton     | SH56/7  | 29 48 | 153 01 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20727 | Recovery Area  | 15 km SE  | Grafton     | SH56/7  | 29 48 | 153 01 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20727 | Recovery Area  | 15 km SE  | Grafton     | SH56/7  | 29 48 | 153 01 |        |      | <i>Hister nomas</i>              |    | Found Feb/82     |
| 20728 | Kungala        | 36 km SE  | Grafton     | SH56/7  | 29 57 | 153 06 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20728 | Kungala        | 36 km SE  | Grafton     | SH56/7  | 29 57 | 153 06 |        |      | <i>Onitis alexis</i>             | C  | Found Feb/82     |
| 20728 | Kungala        | 36 km SE  | Grafton     | SH56/7  | 29 57 | 153 06 |        |      | <i>Euoniticellus africanus</i>   |    | Found Feb/82     |
| 20728 | Kungala        | 36 km SE  | Grafton     | SH56/7  | 29 57 | 153 06 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20728 | Kungala        | 36 km SE  | Grafton     | SH56/7  | 29 57 | 153 06 |        |      | <i>Hister nomas</i>              |    | Found Feb/82     |
| 20776 | Recovery Area  | 24 km SW  | Grafton     | SH56/6  | 29 54 | 152 50 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20776 | Recovery Area  | 24 km SW  | Grafton     | SG56/6  | 29 54 | 152 50 |        |      | <i>Onitis viridulus</i>          |    | Found Mar/82     |
| 20776 | Recovery Area  | 24 km SW  | Grafton     | SH56/6  | 29 54 | 152 50 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82     |
| 20776 | Recovery Area  | 24 km SW  | Grafton     | SH56/6  | 29 54 | 152 50 |        |      | <i>Onitis alexis</i>             | C  | Found Mar/82     |
| 60222 | Axebridge      | 7 km NE   | Greenbushes | SI50/6  | 33 48 | 116 07 | Feb/79 | 900  | <i>Onitis alexis</i>             | C  | Found Mar/82     |
| 20172 | Myona          | 27 km WNW | Grenfell    | SI55/7  | 33 51 | 148 00 | Jan/75 | 500  | <i>Onthophagus binodis</i>       | WR |                  |
| 20332 | (Road Release) | 24 km W   | Grenfell    | SI55/7  | 33 51 | 148 00 | Jan/75 | 500  | <i>Euoniticellus intermedius</i> | C  |                  |
| 20332 | (Road Release) | 24 km W   | Grenfell    | SI55/7  | 33 52 | 147 54 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |                  |
| 20332 | (Road Release) | 24 km W   | Grenfell    | SI55/7  | 33 52 | 147 54 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20333 | (Road Release) | 1 km W    | Grenfell    | SI55/7  | 33 53 | 148 8  | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |                  |
| 20333 | (Road Release) | 1 km W    | Grenfell    | SI55/7  | 33 53 | 148 8  | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    |                  |



|       |                 |           |                     |              |       |        |        |      |                                  |    |                  |
|-------|-----------------|-----------|---------------------|--------------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20583 | Recovery Area   | 9 km N    | Grenfell            | SI55/07      | 33 50 | 148 10 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/80     |
| 20584 | Recovery Area   | 24 km N   | Grenfell            | SI55/07      | 33 44 | 148 10 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/80     |
| 20334 | (Road Release)  | 5 km S    | Grenfell (Young Rd) | SI55/7       | 33 57 | 148 10 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |                  |
| 20334 | (Road Release)  | 5 km S    | Grenfell (Young Rd) | SI55/7       | 33 57 | 148 10 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20335 | (Road Release)  | 29 km S   | Grenfell (Young Rd) | SI55/11      | 34 8  | 148 16 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20335 | (Road Release)  | 29 km S   | Grenfell (Young Rd) | SI55/11      | 34 8  | 148 16 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |                  |
| 70017 | Clarendon       | km        | Gretna              | SK55/06      | 42 41 | 146 56 | Feb/81 | 1000 | <i>Euoniticellus africanus</i>   | WR |                  |
| 20027 | Beelbanger      | 8 km NW   | Griffith            | SI55/10      | 34 16 | 146 6  | Oct-72 | 400  | <i>Chironitis scabrosus</i>      |    | Not found Mar/81 |
| 20061 | Greenacres      | 19 km NE  | Griffith            | SI55/10      | 34 15 | 146 12 | Jan/73 | 500  | <i>Onthophagus gazella</i>       | C  | Found Mar/81     |
| 20061 | Greenacres      | 19 km NE  | Griffith            | SI55/10      | 34 15 | 146 12 | Jan/74 | 400  | <i>Euoniticellus intermedius</i> |    | Not found Mar/81 |
| 20061 | Greenacres      | 19 km NE  | Griffith            | SI55/10      | 34 15 | 146 12 | Jan/74 | 730  | <i>Euoniticellus africanus</i>   |    | Found Mar/81     |
| 20104 | Avondale        | 43 km NE  | Griffith            | SI55/10      | 34 09 | 146 29 | Jan/74 | 400  | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20862 | Recovery Area   | 10 km N   | Griffith            | SI55/10      | 34 15 | 146 03 |        |      | <i>Onthophagus gazella</i>       |    | Found Feb/84     |
| 11    | Tenaru (O-seas) |           | Guadalcanal         | Sol. Islands |       |        | Jan/79 | 600  | <i>Sisyphus spinipes</i>         |    |                  |
| 60032 | Redlands Park   | 7 km E    | Guilderton          | SH50/14      | 31 20 | 115 32 | Sep/73 | 500  | <i>Onthophagus binodis</i>       | SR | Found Mar/76     |
| 60032 | Redlands Park   | 7 km E    | Guilderton          | SH50/14      | 31 20 | 115 32 | Sep/73 | 300  | <i>Sisyphus rubrus</i>           |    | Not found        |
| 60032 | Redlands Park   | 7 km E    | Guilderton          | SH50/14      | 31 20 | 115 32 | May/73 | 300  | <i>Onitis alexis</i>             | C  | Not found        |
| 20550 | Recovery Area   | 21 km W   | Gulgargambone       | SH55/15      | 31 12 | 148 27 | Feb/77 | 500  | <i>Onthophagus gazella</i>       | C  | Found Jan/78     |
| 20550 | Recovery Area   | 21 km W   | Gulgargambone       | SH55/15      | 31 12 | 148 27 | Feb/77 | 50   | <i>Euoniticellus intermedius</i> | C  |                  |
| 20135 | Arocka          | 3 km NW   | Gulgong             | SI55/4       | 32 20 | 148 27 | Feb/77 | 50   | <i>Onitis alexis</i>             |    | Found Feb/78     |
| 20135 | Arocka          | 3 km NW   | Gulgong             | SI55/4       | 32 20 | 149 30 | May/74 | 1000 | <i>Euoniticellus intermedius</i> |    | Found Feb/78     |
| 20221 | (Road Release)  | 40 km NW  | Gulgong             | SI55/4       | 32 12 | 149 30 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20221 | (Road Release)  | 40 km NW  | Gulgong             | SI55/4       | 32 12 | 149 1  | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    |                  |
| 20222 | (Road Release)  | 22 km NW  | Gulgong             | SI55/4       | 32 24 | 149 1  | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |                  |
| 20222 | (Road Release)  | 22 km NW  | Gulgong             | SI55/4       | 32 24 | 149 18 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    |                  |
| 20222 | (Road Release)  | 22 km NW  | Gulgong             | SI55/4       | 32 24 | 149 18 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |                  |
| 20223 | (Road Release)  | 4 km NW   | Gulgong             | SI55/4       | 32 23 | 149 31 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |                  |
| 20223 | (Road Release)  | 4 km NW   | Gulgong             | SI55/4       | 32 23 | 149 31 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    |                  |
| 20224 | (Road Release)  | 10 km NE  | Gulgong             | SI55/4       | 32 17 | 149 37 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    |                  |
| 20224 | (Road Release)  | 10 km NE  | Gulgong             | SI55/4       | 32 17 | 149 37 | Feb/75 | 260  | <i>Euoniticellus intermedius</i> |    |                  |
| 20746 | Recovery Area   | 11 km W   | Gulgong             | SI55/4       | 32 17 | 149 37 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |                  |
| 20746 | Recovery Area   | 11 km W   | Gulgong             | SI55/4       | 32 24 | 149 29 | Feb/75 | 740  | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20746 | Recovery Area   | 11 km W   | Gulgong             | SI55/4       | 32 24 | 149 29 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20747 | Recovery Area   | 38 km W   | Gulgong             | SI55/4       | 32 24 | 149 13 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20747 | Recovery Area   | 38 km W   | Gulgong             | SI55/4       | 32 25 | 149 13 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20352 | Cattle Yards    | 1 km S    | Gundagai            | SI55/15      | 35 6  | 148 7  | Feb/77 | 2000 | <i>Onitis alexis</i>             | WR | Found Nov/80     |
| 20007 | Kibah           | 14 km E   | Gunnedah            | SH56/13      | 31 0  | 150 24 | Jan/72 | 510  | <i>Onthophagus binodis</i>       |    | Found Feb/75     |
| 20007 | Kibah           | 14 km E   | Gunnedah            | SH56/13      | 31 0  | 150 24 | Nov/69 | 500  | <i>Euoniticellus intermedius</i> |    | Found Feb/75     |
| 20034 | Owain           | 10 km NW  | Gunnedah            | SH56/9       | 30 55 | 150 12 | Feb/73 | 500  | <i>Hister nomas</i>              |    | Found Jan/78     |
| 20034 | Owain           | 10 km NW  | Gunnedah            | SH56/9       | 30 55 | 150 12 | Feb/73 | 500  | <i>Onthophagus gazella</i>       | C  | Found Feb/78     |
| 20034 | Owain           | 10 km NW  | Gunnedah            | SH56/9       | 30 55 | 150 12 | Feb/73 | 500  | <i>Euoniticellus intermedius</i> |    | Not found Jan/82 |
| 20034 | Owain           | 10 km NW  | Gunnedah            | SH56/9       | 30 55 | 150 12 | Feb/73 | 500  | <i>Euoniticellus africanus</i>   |    | Found Feb/78     |
| 20034 | Owain           | 10 km NW  | Gunnedah            | SH56/9       | 30 55 | 150 12 | Oct/72 | 300  | <i>Onitis alexis</i>             | C  | Found Feb/78     |
| 20377 | Recovery Area   | 30 km WSW | Gunnedah            | SH55/16      | 31 3  | 150 00 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |

| Index | Property        | Location  | Town          | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|-----------------|-----------|---------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20378 | Recovery Area   | 15 km W   | Gunnedah      | SH56/13 | 31 0  | 150 8  |        |      | <i>Euoniticeilus intermedius</i> |    | Found Aug/74     |
| 20379 | Recovery Area   | 30 km NNW | Gunnedah      | SH56/9  | 30 47 | 150 7  |        |      | <i>Euoniticeilus intermedius</i> |    | Found Aug/74     |
| 20489 | Recovery Area   | 10 km S   | Gunnedah      | SH56/13 | 31 4  | 150 15 |        |      | <i>Onitiis alexis</i>            | C  | Found Jan/77     |
| 20489 | Recovery Area   | 10 km S   | Gunnedah      | SH56/13 | 31 4  | 150 15 |        |      | <i>Euoniticeilus africanus</i>   |    | Found Jan/77     |
| 20489 | Recovery Area   | 10 km S   | Gunnedah      | SH56/13 | 13 4  | 150 15 |        |      | <i>Euoniticeilus intermedius</i> |    | Found Jan/77     |
| 20489 | Recovery Area   | 10 km S   | Gunnedah      | SH56/13 | 31 4  | 150 15 |        |      | <i>Hister nomas</i>              |    | Found Jan/77     |
| 20534 | Recovery Area   | 7 km W    | Gunnedah      | SH56/9  | 30 59 | 150 10 |        |      | <i>Onthophagus gazella</i>       | C  | Found Nov/78     |
| 20534 | Recovery Area   | 7 km W    | Gunnedah      | SH56/9  | 30 59 | 150 10 |        |      | <i>Euoniticeilus intermedius</i> |    | Found Nov/78     |
| 20535 | Recovery Area   | 30 km E   | Gunnedah      | SH56/9  | 30 57 | 150 33 |        |      | <i>Onthophagus gazella</i>       | C  | Found Nov/78     |
| 20704 | Recovery Area   | 23 km E   | Gunnedah      | SH56/9  | 30 59 | 150 28 |        |      | <i>Onthophagus gazella</i>       | C  | Found Jan/82     |
| 20704 | Recovery Area   | 23 km E   | Gunnedah      | SH56/9  | 30 59 | 150 28 |        |      | <i>Euoniticeilus intermedius</i> |    | Found Jan/82     |
| 20705 | Recovery Area   | 6 km E    | Gunnedah      | SH56/9  | 30 59 | 150 19 |        |      | <i>Onthophagus gazella</i>       | C  | Found Jan/82     |
| 20035 | Allon Hill      | 13 km NNE | Gunning       | SH56/12 | 34 43 | 149 17 | Oct/72 | 300  | <i>Onitiis alexis</i>            | C  |                  |
| 20056 | Gownie          | 35 km NW  | Guyra         | SH56/9  | 30 08 | 151 28 | Jan/73 | 500  | <i>Onthophagus gazella</i>       | C  |                  |
| 20768 | Recovery Area   | 40 km N   | Guyra         | SH56/6  | 29 58 | 151 43 |        |      | <i>Euoniticeilus africanus</i>   |    | Found Mar/82     |
| 40030 | Foxtail         | 35 km NW  | Gympie        | SG56/10 | 26 00 | 152 23 | Feb/73 | 500  | <i>Onthophagus gazella</i>       | T  | Not found Mar/82 |
| 40030 | Foxtail         | 35 km NW  | Gympie        | SG56/10 | 26 00 | 152 23 |        |      | <i>Euoniticeilus intermedius</i> |    | Found Mar/82     |
| 40171 | Bungawatta      | 22 km NE  | Gympie        | SG56/10 | 26 2  | 152 48 |        | 560  | <i>Onthophagus gazella</i>       | GP | Found Nov/76     |
| 40171 | Bungawatta      | 22 km NE  | Gympie        | SG56/10 | 26 2  | 152 48 |        | 500  | <i>Onthophagus binodis</i>       | SR | Not found        |
| 40171 | Bungawatta      | 22 km NE  | Gympie        | SG56/10 | 26 2  | 152 48 |        | 500  | <i>Onitiis alexis</i>            | C  | Not found        |
| 40171 | Bungawatta      | 22 km NE  | Gympie        | SG56/10 | 26 2  | 152 48 |        | 400  | <i>Euoniticeilus intermedius</i> |    | Not found        |
| 40233 | Elanda Plains   | 30 km SE  | Gympie        | SG56/10 | 26 22 | 152 53 | Sep/69 | 22   | <i>Onthophagus sagittarius</i>   |    | Found Nov/76     |
| 40233 | Elanda Plains   | 30 km SE  | Gympie        | SG56/10 | 26 22 | 152 53 | Sep/69 | 3450 | <i>Onthophagus gazella</i>       | T  | Not found        |
| 40233 | Elanda Plains   | 30 km SE  | Gympie        | SG56/10 | 26 22 | 152 53 | Jan/71 | 2000 | <i>Onthophagus gazella</i>       | T  | Not found        |
| 40233 | Elanda Plains   | 30 km SE  | Gympie        | SG56/10 | 26 22 | 152 53 | Sep/69 | 925  | <i>Liatongus militaris</i>       |    | Not found        |
| 40233 | Elanda Plains   | 30 km SE  | Gympie        | SG56/10 | 26 22 | 152 53 | Sep/69 | 400  | <i>Hister caffer</i>             |    | Not found        |
| 40450 | Recovery Area   | 10 km NW  | Gympie        | SG56/10 | 26 8  | 152 35 |        |      | <i>Euoniticeilus intermedius</i> |    | Found Nov/76     |
| 40493 | Tungul Park     | 30 km S   | Gympie        | SG56/10 | 26 27 | 152 42 | Mar/77 | 1200 | <i>Onthophagus gazella</i>       | GP |                  |
| 40493 | Tungul Park     | 30 km S   | Gympie        | SG56/10 | 26 27 | 152 42 | Mar/77 | 600  | <i>Sisyphus spinipes</i>         |    |                  |
| 40493 | Tungul Park     | 30 km S   | Gympie        | SG56/10 | 26 27 | 152 42 | Mar/77 | 300  | <i>Onthophagus sagittarius</i>   |    |                  |
| 40493 | Tungul Park     | 30 km S   | Gympie        | SG56/10 | 26 27 | 152 42 | Mar/77 | 2900 | <i>Euoniticeilus intermedius</i> |    |                  |
| 40493 | Tungul Park     | 30 km S   | Gympie        | SG56/10 | 26 27 | 152 42 | Mar/77 | 650  | <i>Liatongus militaris</i>       |    |                  |
| 40621 | Recovery Area   | 28 km NE  | Gympie        | SG56/06 | 26 02 | 152 34 |        |      | <i>Onitiis alexis</i>            | C  | Found Feb/82     |
| 40621 | Recovery Area   | 28 km NE  | Gympie        | SG56/06 | 26 02 | 152 34 |        |      | <i>Euoniticeilus intermedius</i> |    | Found Feb/82     |
| 40691 | Recovery Area   | 16 km S   | Gympie        | SG56/10 | 26 18 | 152 43 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/82     |
| 40691 | Recovery Area   | 16 km S   | Gympie        | SG56/10 | 26 18 | 152 43 |        |      | <i>Euoniticeilus intermedius</i> |    | Found Mar/82     |
| 70012 | Hagley Farm Sch | 1 km E    | Hagley        | SK55/04 | 41 32 | 146 55 | Nov/79 | 1462 | <i>Euoniticeilus fulvus</i>      | 4  | Not found Jan/82 |
| 70012 | Hagley Farm Sch | 1 km E    | Hagley        | SK55/04 | 41 32 | 146 55 | Dec/79 | 700  | <i>Euoniticeilus fulvus</i>      | 4  | Not found Jan/82 |
| 20627 | Recovery Area   | 8 km SE   | Halfway Creek | SH56/07 | 29 58 | 153 08 |        |      | <i>Euoniticeilus intermedius</i> |    | Found Feb/81     |
| 20628 | Recovery Area   | 8 km SE   | Halfway Creek | SH56/07 | 29 58 | 153 08 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/81     |

|       |                    |            |                    |         |       |        |        |      |                                  |    |              |
|-------|--------------------|------------|--------------------|---------|-------|--------|--------|------|----------------------------------|----|--------------|
| 20249 | Plant Ind. Exp. S. | 4 km SE    | Hall (Ginninderra) | SI55/16 | 35 11 | 149 3  | Dec/69 | 66   | <i>Canthon humectus</i>          |    | Not found    |
| 20249 | Plant Ind. Exp. S. | 4 km SE    | Hall (Ginninderra) | SI55/16 | 35 11 | 149 3  | Apr/69 | 55   | <i>Canthon humectus</i>          |    | Not found    |
| 20249 | Plant Ind. Exp. S. | 4 km SE    | Hall (Ginninderra) | SI55/16 | 35 11 | 149 3  | Dec/68 | 529  | <i>Hister nomas</i>              |    | Not found    |
| 20249 | Plant Ind. Exp. S. | 4 km SE    | Hall (Ginninderra) | SI55/16 | 35 11 | 149 3  | Feb/70 | 43   | <i>Canthon humectus</i>          |    | Not found    |
| 60042 | Alice Downs        | 57 km NNE  | Halls Creek        | SE52/6  | 17 45 | 127 56 | Nov/73 | 200  | <i>Onthophagus gazella</i>       | GP |              |
| 60079 | Lansdowne          | 120 km NW  | Halls Creek        | SE52/5  | 17 36 | 126 45 | Mar/70 | 520  | <i>Onthophagus gazella</i>       | T  |              |
| 60079 | Lansdowne          | 120 km NW  | Halls Creek        | SE52/5  | 17 36 | 126 45 | Mar/70 | 100  | <i>Liatongus militaris</i>       | T  |              |
| 60080 | Springvale etc.    | 50 km N    | Halls Creek        | SE52/6  | 17 47 | 127 41 | Mar/70 | 491  | <i>Onthophagus gazella</i>       | T  |              |
| 60080 | Springvale etc.    | 50 km N    | Halls Creek        | SE52/6  | 17 47 | 127 41 | Mar/70 | 500  | <i>Onthophagus gazella</i>       | T  |              |
| 60080 | Springvale etc.    | 40 km N    | Halls Creek        | SE52/6  | 17 47 | 127 41 | Mar/70 | 100  | <i>Liatongus militaris</i>       |    |              |
| 60080 | Springvale Etc.    | 50 km N    | Halls Creek        | SE52/6  | 17 47 | 127 41 | Jun/72 | 300  | <i>Hister calidus</i>            |    | Found May/77 |
| 60148 | Recovery Area      | 130 km W   | Halls Creek        | SE52/9  | 18 38 | 127 2  |        |      | <i>Euoniticellus intermedius</i> |    |              |
| 80047 | Kirkimbie Stn      | 176 km ENE | Halls Creek (WA)   | SE52/7  | 17 44 | 129 14 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |              |
| 80049 | Inverway           | 105 km ENE | Halls Creek (WA)   | SE52/7  | 17 51 | 129 38 | Mar/70 | 525  | <i>Onthophagus gazella</i>       | T  |              |
| 80049 | Inverway           | 105 km ENE | Halls Creek (WA)   | SE52/7  | 17 51 | 129 38 | Mar/74 | 500  | <i>Euoniticellus intermedius</i> |    |              |
| 80049 | Inverway           | 105 km ENE | Halls Creek (WA)   | SE52/7  | 17 51 | 129 38 | Mar/70 | 148  | <i>Liatongus militaris</i>       |    |              |
| 80051 | Birringdudu        | 190 km ESE | Halls Creek (WA)   | SE52/11 | 18 24 | 129 26 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> | C  |              |
| 30009 | Karingal           | 48 km NE   | Hamilton           | SJ54/7  | 37 26 | 142 26 | Oct/72 | 500  | <i>Onthophagus gazella</i>       | WR |              |
| 70018 | Rathlyn            | km         | Hamilton (Tas)     | SK55/06 | 42 33 | 146 50 | Feb/81 | 1000 | <i>Onthophagus binodis</i>       | WR |              |
| 30003 | Blackwood          | 32 km E    | Hamilton (Vic)     | SJ54/7  | 37 46 | 142 17 | Sep/72 | 252  | <i>Onitis alexis</i>             | C  |              |
| 20074 | Garangula          | 19 km SW   | Harden             | SI55/11 | 34 38 | 148 15 | Feb/73 | 500  | <i>Onthophagus gazella</i>       | C  | Not found    |
| 20074 | Garangula          | 19 km SW   | Harden             | SI55/11 | 34 38 | 148 15 | Feb/73 | 500  | <i>Euoniticellus africanus</i>   |    | Not found    |
| 20074 | Garangula          | 19 km SW   | Harden             | SI55/11 | 34 38 | 148 15 | Mar/73 | 300  | <i>Onitis alexis</i>             | C  | Not found    |
| 60202 | Rosley Farm        | 8 km W     | Harvey             | SI50/6  | 33 04 | 115 48 | Feb/79 | 500  | <i>Onthophagus binodis</i>       | WR |              |
| 60203 | Italiano (R. & C.) | 2 km S     | Harvey             | SI50/6  | 33 06 | 115 53 | Feb/79 | 600  | <i>Onthophagus binodis</i>       | WR |              |
| 60205 | Hampden            | 20 km W    | Harvey             | SI50/6  | 33 01 | 115 44 | Feb/79 | 900  | <i>Onthophagus binodis</i>       | WR |              |
| 60256 | Lot 894            | 19 km WNW  | Harvey             | SI50/06 | 33 02 | 115 44 |        |      | <i>Onthophagus binodis</i>       | WR | Found Jan/81 |
| 60256 | Lot 894            | 19 km WNW  | Harvey             | SI50/06 | 33 02 | 115 44 | Feb/80 | 1000 | <i>Onthophagus binodis</i>       | 3  | Found Jan/81 |
| 60256 | Lot 894            | 19 km WNW  | Harvey             | SI50/06 | 33 02 | 115 44 | Dec/79 | 700  | <i>Onthophagus taurus</i>        | 3  | Found Jan/81 |
| 6     | Overseas Series    |            | Hawaii             | USA     |       |        | Jan/76 | 490  | <i>Onitis vanderkelleni</i>      |    |              |
| 6     | Overseas Series    |            | Hawaii             | USA     |       |        | Sep/73 | 300  | <i>Sisyphus spinipes</i>         | T  | Found Jun/81 |
| 6     | Overseas Series    |            | Hawaii             | USA     |       |        | Jan/76 | 158  | <i>Onitis alexis</i>             |    |              |
| 6     | Overseas Series    |            | Hawaii             | USA     |       |        | Aug/75 | 550  | <i>Onthophagus foliaceus</i>     |    |              |
| 6     | Overseas Series    |            | Hawaii             | USA     |       |        | Jul/73 | 500  | <i>Onthophagus gazella</i>       | GP | Found Jun/81 |
| 6     | Overseas Series    |            | Hawaii             | USA     |       |        | Sep/73 | 300  | <i>Onitis alexis</i>             | T  | Found Jun/81 |
| 6     | Overseas Series    |            | Hawaii             | USA     |       |        | Aug/75 | 550  | <i>Onthophagus nigriventris</i>  |    |              |
| 6     | Overseas Series    |            | Hawaii             | USA     |       |        | Sep/73 | 500  | <i>Onthophagus binodis</i>       | SR | Found Jun/81 |
| 6     | Overseas Series    |            | Hawaii             | USA     |       |        | Oct/82 | 600  | <i>Euoniticellus intermedius</i> |    |              |
| 6     | Overseas Series    |            | Hawaii USA         |         |       |        | Nov/73 | 550  | <i>Euoniticellus intermedius</i> |    |              |
| 20097 | Wangara            | 19 km NE   | Hay                | SI55/9  | 34 27 | 145 2  | Nov/73 | 550  | <i>Euoniticellus africanus</i>   |    | Not found    |
| 20317 | (Road Release)     | 17 km W    | Hay (Balranald Rd) | SI55/9  | 34 34 | 144 42 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    | Not found    |
| 20317 | (Road Release)     | 17 km W    | Hay (Balranald Rd) | SI55/9  | 34 34 | 144 42 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    |              |
| 20318 | (Road Release)     | 1 km N     | Hay (Birds Dairy)  | SI55/9  | 34 28 | 144 52 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |              |

| Index | Property         | Location  | Town                | Map         | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|------------------|-----------|---------------------|-------------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20318 | (Road Release)   | 1 km N    | Hay (Birds Dairy)   | SI55/9      | 34 28 | 144 52 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    | Found Apr/80     |
| 20319 | (Road Release)   | 23 km NE  | Hay (W. Wyalong R.) | SI55/9      | 34 23 | 145 1  | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    | Found Apr/80     |
| 20319 | (Road Release)   | 23 km NE  | Hay (W. Wyalong R.) | SI55/9      | 34 23 | 145 1  | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    | Found Apr/80     |
| 20320 | (Road Release)   | 46 km NE  | Hay (W. Wyalong R.) | SI55/9      | 34 15 | 145 8  | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    | Found Apr/80     |
| 20320 | (Road Release)   | 46 km NE  | Hay (W. Wyalong R.) | SI55/9      | 34 6  | 145 20 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    | Found Apr/80     |
| 20321 | (Road Release)   | 68 km NE  | Hay (W. Wyalong R.) | SI55/9      | 34 6  | 145 20 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    | Found Apr/80     |
| 20322 | (Road Release)   | 91 km NE  | Hay (W. Wyalong R.) | SI55/10     | 34 1  | 145 35 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    | Found Apr/80     |
| 20322 | (Road Release)   | 91 km NE  | Hay (W. Wyalong R.) | SI55/10     | 34 1  | 145 35 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    | Found Apr/80     |
| 20323 | (Road Release)   | 113 km NE | Hay (W. Wyalong R.) | SI55/6      | 33 57 | 145 48 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    | Found Apr/80     |
| 20323 | (Road Release)   | 113 km NE | Hay (W. Wyalong R.) | SI55/6      | 33 57 | 145 48 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    | Found Apr/80     |
| 20321 | (Road Release)   | 68 km NE  | Hay (W. Wyalong R.) | SI55/10     | 34 1  | 145 20 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    | Found Apr/80     |
| 80271 | Dunmarra No. 1 B | km        | Hayfield Station    | SE53/01     | 16 41 | 133 24 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/80     |
| 80271 | Dunmarra No. 1 B | km        | Hayfield Station    | SE53/01     | 16 41 | 133 24 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/80     |
| 80255 | Recovery Area    | 2 km SW   | Helen Springs Hmsd  | SE53/10     | 18 27 | 133 53 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/80     |
| 80255 | Recovery Area    | 2 km SW   | Helen Springs Hmsd  | SE53/10     | 18 27 | 133 53 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/80     |
| 80256 | Recovery Area    | 12 km S   | Helen Springs Hmsd  | SE53/10     | 18 34 | 133 55 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/80     |
| 80256 | Recovery Area    | 12 km S   | Helen Springs Hmsd  | SE53/10     | 18 34 | 133 55 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/80     |
| 40532 | Recovery Area    | 8 km NNE  | Herberton           | SE55/5      | 17 25 | 145 27 |        |      | <i>Onthophagus gazella</i>       | GP | Found May/77     |
| 20663 | Recovery Area    | 42 km NE  | Hillston            | SI55/06     | 33 19 | 145 51 | Apr/80 | 1300 | <i>Euoniticellus intermedius</i> | 4  | Not found Dec/80 |
| 70005 | Welkin           | 35 km S   | Hobart              | SK55/08     | 43 8  | 147 13 | Nov/72 | 500  | <i>Onthophagus gazella</i>       | C  | Not found Dec/79 |
| 70005 | Welkin           | 35 km S   | Hobart              | SK55/08     | 43 8  | 147 13 | Mar/80 | 800  | <i>Onthophagus taurus</i>        | 4  | Not found Dec/80 |
| 70005 | Welkin           | 35 km S   | Hobart              | SK55/08     | 43 8  | 147 13 | Jan/77 | 1000 | <i>Onthophagus taurus</i>        | 1  | Not found Dec/79 |
| 70005 | Welkin           | 35 km S   | Hobart              | SK55/08     | 43 8  | 147 13 | Feb/80 | 326  | <i>Geotrupes spiniger</i>        | 1  |                  |
| 70005 | Welkin           | 35 km S   | Hobart              | SK55/08     | 43 8  | 147 13 | Mar/80 | 300  | <i>Geotrupes spiniger</i>        | 1  |                  |
| 20079 | Dunraven         | 14 km SSW | Holbrook            | SI55/15     | 35 50 | 147 15 | Mar/73 | 275  | <i>Onitis alexis</i>             | C  | Not found Nov/80 |
| 20353 | Aberfeldy        | 16 km N   | Holbrook            | SI55/15     | 35 38 | 147 19 | Feb/77 | 2000 | <i>Onthophagus binodis</i>       | WR | Not found Nov/80 |
| 20593 | Kelvin Grove     | 17 km NNW | Holbrook            | SI55/15     | 35 38 | 147 16 | May/80 | 860  | <i>Geotrupes spiniger</i>        | 2  | Not found Feb/81 |
| 20594 | Roachdale        | 12 km NW  | Holbrook            | SI55/15     | 35 42 | 147 17 | May/80 | 860  | <i>Geotrupes spiniger</i>        | 2  | Not found Feb/81 |
| 3     | Overseas Series  |           | Honiara             | Solomon Is. |       |        | Apr/72 | 506  | <i>Onthophagus gazella</i>       | T  |                  |
| 3     | Overseas Series  |           | Honiara             | Solomon Is. |       |        | Apr/72 | 255  | <i>Onthophagus sagittarius</i>   |    |                  |
| 40618 | Recovery Area    | km        | Howard              | SG56/06     | 25 19 | 152 34 |        |      | <i>Onitis alexis</i>             | T  | Found Feb/82     |
| 40618 | Recovery Area    | km        | Howard              | SG56/06     | 25 19 | 152 34 |        |      | <i>Onthophagus gazella</i>       | T  | Found Feb/82     |
| 40618 | Recovery Area    | km        | Howard              | SG56/06     | 25 19 | 152 34 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 40618 | Recovery Area    | km        | Howard              | SG56/06     | 25 19 | 152 34 |        |      | <i>Onitis alexis</i>             | C  | Found Feb/82     |
| 20024 | Morebringer      | 6 km E    | Howlong             | SI55/15     | 35 58 | 146 33 | Sep/72 | 520  | <i>Onthophagus gazella</i>       | C  | Not found Nov/80 |
| 20514 | Kismet Stud      | 5 km W    | Howlong             | SI55/14     | 35 59 | 146 38 | Mar/78 | 650  | <i>Onthophagus taurus</i>        | 5  | Not found Nov/80 |
| 20514 | Kismet Stud      | 5 km W    | Howlong             | SI55/14     | 35 59 | 146 38 | Oct/79 | 1780 | <i>Euoniticellus fulvus</i>      | 2  | Not found Nov/80 |
| 20514 | Kismet Stud      | 5 km W    | Howlong             | SI55/14     | 35 59 | 146 38 | Apr/79 | 472  | <i>Euoniticellus fulvus</i>      | 2  | Not found Nov/80 |
| 20514 | Kismet Stud      | 5 km W    | Howlong             | SI55/14     | 35 59 | 146 38 | Dec/78 | 341  | <i>Euoniticellus fulvus</i>      | 2  | Not found Nov/80 |

|       |                |            |                  |         |       |        |        |      |                                  |    |                  |
|-------|----------------|------------|------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20514 | Kismet Stud    | 5 km W     | Howlong          | S155/14 | 35 59 | 146 38 | Nov/78 | 230  | <i>Euoniticellus fulvus</i>      | 2  | Not found Nov/80 |
| 20514 | Kismet Stud    | 5 km W     | Howlong          | S155/14 | 35 59 | 146 38 | Feb/79 | 300  | <i>Euoniticellus fulvus</i>      | 2  | Not found Nov/80 |
| 20514 | Kismet Stud    | 5 km W     | Howlong          | S155/15 | 35 59 | 146 38 | Jan/79 | 227  | <i>Euoniticellus fulvus</i>      | 2  | Not found Nov/80 |
| 20514 | Kismet Stud    | 5 km W     | Howlong          | S155/14 | 35 59 | 146 38 | Mar/79 | 158  | <i>Euoniticellus fulvus</i>      | 2  | Not found Nov/80 |
| 80130 | Recovery Area  | km         | Hudginbarry Road | SD53/1  | 12 40 | 132 55 |        |      | <i>Onthophagus gazella</i>       | GP | Found Dec/76     |
| 40128 | Torrens Creek  | 90 km ENE  | Hughenden        | SF55/1  | 20 46 | 145 1  | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 40131 | (Road Release) | 47 km SE   | Hughenden        | SF54/8  | 21 10 | 143 54 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 40132 | (Road Release) | 2 km NE    | Hughenden        | SF55/1  | 20 50 | 144 13 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 40133 | (Road Release) | 47 km NE   | Hughenden        | SF55/1  | 20 33 | 144 25 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 40134 | (Road Release) | 92 km NNE  | Hughenden        | SF55/1  | 20 18 | 144 20 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 40135 | (Road Release) | 135 km NNE | Hughenden        | SE55/13 | 19 58 | 144 18 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 40236 | Newburgh       | 141 km NNE | Hughenden        | SE55/13 | 19 43 | 144 46 | Jan/71 | 1200 | <i>Onthophagus gazella</i>       | T  | Found Feb/75     |
| 40301 | Recovery Area  | 32 km S    | Hughenden        | SF55/5  | 21 6  | 144 13 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 40302 | Recovery Area  | 24 km S    | Hughenden        | SF55/5  | 21 02 | 144 13 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 40303 | Recovery Area  | 16 km NE   | Hughenden        | SF55/1  | 20 47 | 144 19 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 40304 | Recovery Area  | 32 km NE   | Hughenden        | SF55/1  | 20 42 | 144 24 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 40305 | Wongalee       | 42 km NE   | Hughenden        | SF55/1  | 20 37 | 144 25 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 40306 | Recovery Area  | 64 km NNE  | Hughenden        | SF55/1  | 20 28 | 144 25 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 40307 | Recovery Area  | 80 km NNE  | Hughenden        | SF55/1  | 20 23 | 144 24 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 40308 | Boonderoo      | 96 km NNE  | Hughenden        | SF55/1  | 20 22 | 144 20 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 40309 | Recovery Area  | 120 km NNE | Hughenden        | SF55/1  | 20 09 | 144 21 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 40310 | Recovery Area  | 150 km N   | Hughenden        | SE55/13 | 19 55 | 144 16 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 40311 | Recovery Area  | 180 km N   | Hughenden        | SE55/13 | 19 39 | 144 14 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 60302 | Wandilla       | 10 km E    | Hyden            | SI50/4  | 32 25 | 118 57 | Nov/81 | 480  | <i>Onitis aequalis</i>           | WR |                  |
| 60302 | Wandilla       | 10 km E    | Hyden            | SI50/4  | 32 25 | 118 57 | Oct/81 | 600  | <i>Onitis aequalis</i>           | WR |                  |
| 40205 | Kangaroo Hills | 60 km SW   | Ingham           | SE55/10 | 18 56 | 145 40 | Feb/70 | 1000 | <i>Onthophagus gazella</i>       | T  | Found Feb/75     |
| 40255 | The Orient     | 16 km S    | Ingham           | SE55/10 | 18 47 | 146 9  | Feb/68 | 1098 | <i>Onthophagus gazella</i>       | T  | Found Feb/75     |
| 40255 | The Orient     | 16 km S    | Ingham           | SE55/10 | 18 47 | 146 9  | Jan/68 | 435  | <i>Onthophagus sagittarius</i>   | T  | Found Feb/75     |
| 40255 | The Orient     | 16 km S    | Ingham           | SE55/10 | 18 47 | 146 9  | Nov/68 | 6836 | <i>Onthophagus gazella</i>       | T  | Found Feb/75     |
| 40255 | The Orient     | 16 km S    | Ingham           | SE55/10 | 18 47 | 146 9  | Mar/68 | 1450 | <i>Onthophagus gazella</i>       | T  | Found Feb/75     |
| 40255 | The Orient     | 16 km S    | Ingham           | SE55/10 | 18 47 | 146 9  | Feb/68 | 628  | <i>Onthophagus sagittarius</i>   | T  | Found Feb/75     |
| 40255 | The Orient     | 16 km S    | Ingham           | SE55/10 | 18 47 | 146 9  | Jan/68 | 623  | <i>Onthophagus sagittarius</i>   | T  | Found Feb/75     |
| 40255 | The Orient     | 16 km S    | Ingham           | SE55/10 | 18 47 | 146 9  | Sep/68 | 328  | <i>Liatongus militaris</i>       |    | Not found        |
| 40255 | The Orient     | 16 km S    | Ingham           | SE55/10 | 18 38 | 146 17 |        |      | <i>Hister caffer</i>             | GP | Found Apr/80     |
| 40524 | Muralambeen    | 12 km ENE  | Ingham           | SE55/10 | 18 38 | 146 17 |        |      | <i>Onthophagus gazella</i>       |    | Found Apr/80     |
| 40524 | Muralambeen    | 12 km ENE  | Ingham           | SE55/10 | 18 38 | 146 17 | Mar/76 | 2800 | <i>Onthophagus sagittarius</i>   |    | Not found Apr/80 |
| 40524 | Muralambeen    | 12 km ENE  | Ingham           | SE55/10 | 18 38 | 146 17 |        |      | <i>Sisyphus spinipes</i>         |    | Found Dec/76     |
| 40524 | Muralambeen    | 12 km ENE  | Ingham           | SE55/10 | 18 38 | 146 17 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/76     |
| 40524 | Muralambeen    | 12 km ENE  | Ingham           | SE55/10 | 18 38 | 146 17 |        |      | <i>Euoniticellus intermedius</i> |    |                  |
| 40185 | Kindon         | 45 km NW   | Inglewood        | SH56/1  | 28 14 | 150 14 | Feb/75 | 500  | <i>Onitis alexis</i>             | T  |                  |
| 40185 | Kindon         | 45 km NW   | Inglewood        | SH56/1  | 28 14 | 150 14 | Feb/75 | 500  | <i>Euoniticellus intermedius</i> | C  | Found Feb/81     |
| 40605 | Recovery Area  | 6 km E     | Inglewood        | SH56/01 | 28 24 | 151 10 |        |      | <i>Onthophagus gazella</i>       |    | Found Feb/81     |
| 40605 | Recovery Area  | 6 km E     | Inglewood        | SH56/01 | 28 24 | 151 10 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/81     |

| Index | Property          | Location  | Town       | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|-------------------|-----------|------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 40605 | Recovery Area     | 6 km E    | Inglewood  | SH56/01 | 28 24 | 151 10 |        |      | <i>Onitis alexis</i>             | C  | Found Feb/81     |
| 40052 | Sunnyholt         | 86 km NNE | Injune     | SG55/8  | 25 20 | 148 53 | Aug/73 | 300  | <i>Sisyphus rubrus</i>           |    | Found Mar/76     |
| 40052 | Sunnyholt         | 86 km NNE | Injune     | SG55/8  | 25 20 | 148 53 | Mar/76 | 400  | <i>Sisyphus rubrus</i>           |    | Found Mar/76     |
| 40052 | Sunnyholt         | 86 km NNE | Injune     | SG55/8  | 25 20 | 148 53 | Aug/73 | 500  | <i>Onthophagus binodis</i>       | SR | Found Feb/75     |
| 40052 | Sunnyholt         | 86 km NNE | Injune     | SG55/8  | 25 20 | 148 53 |        |      | <i>Onthophagus binodis</i>       | GP | Found Mar/76     |
| 40052 | Sunnyholt         | 86 km NNE | Injune     | SG55/8  | 25 20 | 148 53 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/76     |
| 40466 | South Johnstone   | 10 km SSW | Innisfail  | SE55/6  | 17 46 | 146 0  |        |      | <i>Onthophagus gazella</i>       | T  | Found Mar/72     |
| 20009 | Bukkuilla         | 31 km N   | Inverell   | SH56/5  | 29 30 | 151 9  | Jan/72 | 502  | <i>Onthophagus binodis</i>       | SR | Not found        |
| 20357 | (Road Release)    | 6 km E    | Inverell   | SH56/5  | 29 46 | 151 13 | Feb/77 | 2000 | <i>Onthophagus gazella</i>       | C  | Found Jan/82     |
| 20357 | (Road Release)    | 6 km E    | Inverell   | SH56/5  | 29 46 | 151 13 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/77     |
| 20714 | Little Plain      | 20 km W   | Inverell   | SH56/5  | 29 44 | 150 57 |        |      | <i>Onthophagus gazella</i>       | C  | Found Jan/82     |
| 20714 | Little Plain      | 20 km W   | Inverell   | SH56/5  | 29 44 | 150 57 |        |      | <i>Euoniticellus africanus</i>   |    | Found Jan/82     |
| 20715 | Recovery Area     | 25 km E   | Inverell   | SH56/5  | 29 48 | 151 18 |        |      | <i>Onthophagus gazella</i>       | C  | Found Jan/82     |
| 20715 | Recovery Area     | 25 km E   | Inverell   | SH56/5  | 29 48 | 151 18 |        |      | <i>Euoniticellus africanus</i>   |    | Found Jan/82     |
| 20715 | Recovery Area     | 25 km E   | Inverell   | SH56/5  | 29 48 | 151 18 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jan/82     |
| 20716 | Recovery Area     | 33 km E   | Inverell   | SH56/5  | 29 47 | 151 23 |        |      | <i>Onthophagus gazella</i>       | C  | Found Jan/82     |
| 20716 | Recovery Area     | 33 km E   | Inverell   | SH56/5  | 29 47 | 151 23 |        |      | <i>Euoniticellus africanus</i>   |    | Found Jan/82     |
| 20716 | Recovery Area     | 33 km E   | Inverell   | SH56/5  | 29 47 | 151 23 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jan/82     |
| 20717 | Recovery Area     | 5 km S    | Inverell   | SH56/5  | 29 49 | 151 7  |        |      | <i>Onthophagus gazella</i>       | C  | Found Jan/82     |
| 20717 | Recovery Area     | 5 km S    | Inverell   | SH56/5  | 29 49 | 151 7  |        |      | <i>Euoniticellus intermedius</i> |    | Found Jan/82     |
| 20717 | Recovery Area     | 5 km S    | Inverell   | SH56/5  | 29 49 | 151 7  |        |      | <i>Euoniticellus africanus</i>   |    | Found Jan/82     |
| 30028 | Pinkerton (Mr J.) | 4 km N    | Inverloch  | SJ55/10 | 38 36 | 145 43 | Nov/78 | 1000 | <i>Onthophagus taurus</i>        | 6  | Not found Oct/80 |
| 30028 | Pinkerton (Mr J.) | 4 km N    | Inverloch  | SJ55/10 | 38 36 | 145 43 | Oct/78 | 700  | <i>Onthophagus taurus</i>        | 6  | Not found Oct/80 |
| 30028 | Pinkerton (Mr J.) | 4 km N    | Inverloch  | SJ55/10 | 38 36 | 145 43 | Dec/78 | 485  | <i>Euoniticellus fulvus</i>      | 4  | Not found Oct/80 |
| 30028 | Pinkerton (Mr J.) | 4 km N    | Inverloch  | SJ55/10 | 38 36 | 145 43 | Feb/79 | 278  | <i>Euoniticellus fulvus</i>      | 4  | Not found Oct/80 |
| 30028 | Pinkerton (Mr J.) | 4 km N    | Inverloch  | SJ55/10 | 38 36 | 145 43 | Feb/79 | 332  | <i>Euoniticellus fulvus</i>      | 4  | Not found Oct/80 |
| 30028 | Pinkerton (Mr J.) | 4 km N    | Inverloch  | SJ55/10 | 38 36 | 145 43 | Mar/79 | 192  | <i>Euoniticellus fulvus</i>      | 4  | Not found Oct/80 |
| 30028 | Pinkerton (Mr J.) | 4 km N    | Inverloch  | SJ55/10 | 38 36 | 145 43 | Jan/79 | 400  | <i>Euoniticellus fulvus</i>      | 4  | Not found Oct/80 |
| 40055 | (Road Release)    | 18 km NW  | Ipswich    | SG56/14 | 27 25 | 152 39 | Oct/73 | 500  | <i>Onthophagus gazella</i>       | C  | Not found Oct/80 |
| 40055 | (Road Release)    | 18 km NW  | Ipswich    | SG56/14 | 27 25 | 152 39 | Oct/73 | 500  | <i>Onthophagus binodis</i>       | SR | Not found Oct/80 |
| 40055 | (Road Release)    | 18 km NW  | Ipswich    | SG56/14 | 27 25 | 152 39 | Oct/73 | 300  | <i>Onitis alexis</i>             | C  | Not found Oct/80 |
| 40470 | Peak Crossing     | 20 km S   | Ipswich    | SG56/14 | 27 47 | 152 44 |        |      | <i>Onitis alexis</i>             | T  | Found Apr/74     |
| 40098 | King Park         | 5 km SE   | Iron Range | SD54/4  | 12 50 | 143 20 | Jan/74 | 350  | <i>Onthophagus gazella</i>       | GP | Found Apr/74     |
| 40098 | King Park         | 5 km SE   | Iron Range | SD54/4  | 12 50 | 143 20 | Jan/74 | 450  | <i>Onthophagus gazella</i>       | GP | Found May/75     |
| 40098 | King Park         | 5 km SE   | Iron Range | SD54/4  | 12 50 | 143 20 | Mar/71 | 1000 | <i>Onitis alexis</i>             | T  | Found May/75     |
| 40098 | King Park         | 5 km SE   | Iron Range | SD54/4  | 12 50 | 143 20 | Jan/74 | 300  | <i>Sisyphus spinipes</i>         | T  | Found May/75     |
| 40098 | King Park         | 5 km SE   | Iron Range | SD54/4  | 12 50 | 143 20 | Aug/74 | 500  | <i>Onitis alexis</i>             | C  | Found May/75     |
| 40098 | King Park         | 5 km SE   | Iron Range | SD54/4  | 12 50 | 143 20 | Mar/71 | 300  | <i>Copris incertus</i>           | C  | Found Dec/78     |
| 60165 | Recovery Area     | 26 km N   | Irwin      | SH50/5  | 29 00 | 115 05 |        |      | <i>Onitis alexis</i>             | C  | Found Dec/78     |
| 60165 | Recovery Area     | 26 km N   | Irwin      | SH50/5  | 29 00 | 115 05 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Nov/79     |

| Accession No. | Location       | Distance   | Release Code | Date   | Quantity | Sex | Species                          | Notes            |
|---------------|----------------|------------|--------------|--------|----------|-----|----------------------------------|------------------|
| 40001         | Birkdale Stn.  | 43 km NE   | SG56/1       | Jan/71 | 1000     | T   | <i>Onthophagus gazella</i>       | Found Feb/75     |
| 40001         | Birkdale Stn.  | 43 km NE   | SG55/1       | Apr/72 | 470      |     | <i>Euoniticellus intermedius</i> | Found Feb/75     |
| 40001         | Birkdale Stn.  | 43 km NE   | SG55/1       | Dec/71 | 512      |     | <i>Euoniticellus intermedius</i> | Found Feb/75     |
| 40346         | Recovery Area  | 70 km ESE  | SG55/1       | 24 25  | 24 25    |     | <i>Euoniticellus intermedius</i> | Found Aug/74     |
| 40347         | Recovery Area  | 60 km N    | SF55/13      | 23 47  | 23 47    |     | <i>Euoniticellus intermedius</i> | Found Aug/74     |
| 20654         | Recovery Area  | 20 km W    | SI55/01      | 32 49  | 32 49    |     | <i>Euoniticellus intermedius</i> | Found Mar/81     |
| 20655         | Recovery Area  | 5 km W     | SI55/01      | 32 50  | 32 50    |     | <i>Euoniticellus intermedius</i> | Found Mar/81     |
| 20656         | Recovery Area  | 20 km SW   | SI55/05      | 33 03  | 33 03    |     | <i>Euoniticellus intermedius</i> | Found Mar/81     |
| 20684         | Culwalla       | 2 km E     | SI56/9       | Dec/81 | 1000     |     | <i>Onthophagus nigriventris</i>  | Found May/83     |
| 20684         | Culwalla       | 2 km E     | SI56/9       | 150 47 | 150 47   |     | <i>Hister nomas</i>              | Found Mar/82     |
| 20819         | Roadside       | 10 km N    | SI56/09      | Dec/80 | 1000     | C   | <i>Onitis alexis</i>             |                  |
| 20820         | Roadside       | 5 km W     | SI56/09      | Dec/80 | 1000     | C   | <i>Onitis alexis</i>             |                  |
| 20821         | Town Area      | 24 km SW   | SI54/5       | Dec/74 | 500      | C   | <i>Euoniticellus intermedius</i> | Not found Oct/80 |
| 50020         | Old Canowie    | 16 km SE   | SI54/5       | Dec/74 | 500      | GP  | <i>Euoniticellus intermedius</i> | Not found Oct/80 |
| 50021         | Dillowie       | 18 km W    | SG56/9       | Dec/74 | 500      |     | <i>Onthophagus gazella</i>       | Found Nov/76     |
| 40015         | Maroona        | 18 km W    | SG56/9       | 150 55 | 150 55   |     | <i>Euoniticellus intermedius</i> | Found Nov/76     |
| 40015         | Maroona        | 18 km W    | SG56/9       | 150 55 | 150 55   |     | <i>Euoniticellus intermedius</i> | Found Nov/76     |
| 40015         | Maroona        | 18 km W    | SG56/9       | 150 55 | 150 55   |     | <i>Euoniticellus pallipes</i>    |                  |
| 60258         | No Name        | 7 km W     | SI50/02      | Jan/80 | 1400     | 3   | <i>Euoniticellus intermedius</i> |                  |
| 40120         | Siratford      | 45 km SW   | SF55/14      | Mar/74 | 500      |     | <i>Onthophagus gazella</i>       |                  |
| 40468         | Recovery Area  | km         | SF55/14      | Aug/72 | 234      | C   | <i>Onitis alexis</i>             | Found Jun/73     |
| 40566         | Ryndale        | 55 km SW   | SG55/2       | 145 46 | 145 46   |     | <i>Onitis alexis</i>             | Not found May/78 |
| 40566         | Ryndale        | 55 km SW   | SG55/2       | 145 46 | 145 46   |     | <i>Onthophagus gazella</i>       | Found May/78     |
| 40566         | Ryndale        | 55 km SW   | SG55/2       | 145 46 | 145 46   |     | <i>Euoniticellus intermedius</i> | Found May/78     |
| 20125         | Bowen          | 19 km W    | SI55/14      | Mar/74 | 500      | 3   | <i>Euoniticellus intermedius</i> | Not found        |
| 50056         | Milkamoo       | 4 km SW    | SI54/13      | Feb/80 | 1200     | 4   | <i>Onthophagus taurus</i>        | Not found Mar/81 |
| 20523         | Widgeon Gully  | 7 km S     | SI55/11      | Feb/79 | 850      | 4   | <i>Onthophagus taurus</i>        |                  |
| 20523         | Widgeon Gully  | 7 km S     | SI55/11      | Feb/79 | 308      | 4   | <i>Onthophagus taurus</i>        |                  |
| 20523         | Widgeon Gully  | 7 km S     | SI55/11      | Jul/80 | 1400     | 4   | <i>Onthophagus taurus</i>        |                  |
| 20523         | Widgeon Gully  | 7 km S     | SI55/11      | Aug/79 | 1000     | 4   | <i>Onthophagus taurus</i>        |                  |
| 20523         | Widgeon Gully  | 7 km S     | SI55/11      | Aug/80 | 600      | 4   | <i>Onthophagus taurus</i>        |                  |
| 20523         | Widgeon Gully  | 7 km S     | SI55/11      | Mar/79 | 800      | 4   | <i>Onthophagus taurus</i>        |                  |
| 20523         | Widgeon Gully  | 7 km S     | SI55/11      | Oct/79 | 526      | 4   | <i>Euoniticellus fulvus</i>      | Not found Nov/79 |
| 20523         | Widgeon Gully  | 7 km S     | SI55/11      | Nov/79 | 1425     | 4   | <i>Euoniticellus fulvus</i>      | Not found Nov/79 |
| 20523         | Widgeon Gully  | 7 km S     | SI55/11      | May/72 | 500      |     | <i>Euoniticellus intermedius</i> | Not found        |
| 40013         | Auckland Downs | 48 km N    | SF54/3       | Mar/73 | 500      |     | <i>Euoniticellus intermedius</i> | Found Feb/75     |
| 40034         | Millungera     | 93 km NNW  | SE54/15      | Feb/71 | 1000     | T   | <i>Onthophagus gazella</i>       | Found Aug/74     |
| 40239         | Bow Park       | 97 km NE   | SF54/3       | 141 34 | 141 34   |     | <i>Euoniticellus intermedius</i> | Found Aug/74     |
| 40351         | Bimerah        | 110 km NNE | SG54/4       | 141 56 | 141 56   |     | <i>Euoniticellus intermedius</i> | Found Aug/74     |
| 40352         | Barnsdale      | 70 km NNE  | SG54/4       | 143 36 | 143 36   |     | <i>Euoniticellus intermedius</i> | Found Aug/74     |
| 40353         | Swan Vale T.O. | 40 km NE   | SG54/4       | 143 17 | 143 17   |     | <i>Euoniticellus intermedius</i> | Found Aug/74     |
| 40354         | Recovery Area  | 40 km NE   | SG54/4       | 143 31 | 143 31   |     | <i>Euoniticellus intermedius</i> | Found Aug/74     |
| 50002         | Kallowar       | km E       | SI54/13      | Aug/72 | 500      | C   | <i>Onthophagus gazella</i>       |                  |

| Index | Property          | Location  | Town            | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|-------------------|-----------|-----------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 50032 | Calana            | km        | Kangaroo Island | SI53/16 | 35 40 | 137 40 | Feb/76 | 500  | <i>Onthophagus taurus</i>        | 1  |                  |
| 50032 | Calana            | km        | Kangaroo Island | SI53/16 | 35 40 | 137 40 | Sep/80 | 2000 | <i>Onthophagus taurus</i>        | 3  |                  |
| 50081 | Willson (LV & JH) |           | Kangaroo Island | SI53/16 | 35 43 | 136 31 | Jul/82 | 2025 | <i>Onthophagus taurus</i>        | 3  |                  |
| 50082 | Karinga           | km        | Kangaroo Island | SI53/16 | 35 49 | 137 28 | Aug/82 | 1800 | <i>Onthophagus taurus</i>        | 3  |                  |
| 20509 | Oakleigh          | 3 km N    | Kangaroo Valley | SI56/9  | 34 42 | 150 31 | Dec/77 | 1200 | <i>Onthophagus gazella</i>       | ER | Not found Mar/82 |
| 20509 | Oakleigh          | 3 km N    | Kangaroo Valley | SI56/9  | 34 42 | 150 31 | Dec/77 | 650  | <i>Onitis pecuarius</i>          | ER | Not found Mar/82 |
| 20509 | Oakleigh          | 3 km N    | Kangaroo Valley | SI56/9  | 34 42 | 150 31 | Feb/78 | 2000 | <i>Onthophagus gazella</i>       | ER | Not found Mar/82 |
| 20681 | Gilray            | 2 km N    | Kangaroo Valley | SI56/9  | 34 42 | 150 31 |        |      | <i>Hister nomas</i>              |    | Found Apr/79     |
| 20681 | Gilray            | 2 km N    | Kangaroo Valley | SI56/9  | 34 41 | 150 31 |        |      | <i>Onthophagus gazella</i>       | ER | Found May/83     |
| 20808 | Roadside          | 4 km N    | Kangaroo Valley | SI56/9  | 34 41 | 150 31 | Nov/81 | 580  | <i>Onthophagus gazella</i>       | ER |                  |
| 20809 | Village           | km        | Kangaroo Valley | SI56/09 | 34 40 | 150 31 | Dec/80 | 1000 | <i>Onthophagus nigriventris</i>  |    |                  |
| 20810 | Roadside          | 5 km S    | Kangaroo Valley | SI56/09 | 34 43 | 150 31 | Dec/80 | 1000 | <i>Onitis alexis</i>             | C  |                  |
| 20811 | Roadside          | 15 km S   | Kangaroo Valley | SI56/09 | 34 45 | 150 31 | Dec/80 | 1000 | <i>Onitis alexis</i>             | C  |                  |
| 80005 | Willeroo          | 120 km SW | Katherine       | SI56/09 | 34 53 | 150 31 | Dec/80 | 1000 | <i>Onitis alexis</i>             | C  |                  |
| 80005 | Willeroo          | 120 km SW | Katherine       | SD52/16 | 15 17 | 131 35 | Sep/73 | 200  | <i>Onthophagus gazella</i>       | GP | Found Jan/77     |
| 80005 | Willeroo          | 120 km SW | Katherine       | SD52/16 | 15 17 | 131 35 | Jan/73 | 400  | <i>Onthophagus gazella</i>       | T  | Found Apr/82     |
| 80005 | Willeroo          | 120 km SW | Katherine       | SD52/16 | 15 17 | 131 35 | Mar/73 | 500  | <i>Euoniticellus intermedius</i> |    | Found Apr/82     |
| 80016 | Katherine Ex. St. | 24 km N   | Katherine       | SD52/16 | 15 17 | 131 35 | Jan/77 | 500  | <i>Coprus diversus</i>           |    | Not found Apr/82 |
| 80016 | Katherine Ex. St. | 24 km N   | Katherine       | SD53/9  | 14 25 | 132 10 | Nov/76 | 1000 | <i>Onitis viridulus</i>          |    | Found May/80     |
| 80016 | Katherine Ex. St. | 24 km N   | Katherine       | SD53/9  | 14 25 | 132 10 | Sep/73 | 200  | <i>Onthophagus gazella</i>       | GP | Found Dec/76     |
| 80016 | Katherine Ex. St. | 24 km N   | Katherine       | SD53/9  | 14 25 | 132 10 | Feb/71 | 220  | <i>Onthophagus gazella</i>       | T  | Found May/80     |
| 80016 | Katherine Ex. St. | 24 km N   | Katherine       | SD53/9  | 14 25 | 132 10 | Jul/80 | 60   | <i>Onitis alexis</i>             | T  | Not found Apr/82 |
| 80016 | Katherine Ex. St. | 24 km N   | Katherine       | SD53/9  | 14 25 | 132 10 | Jul/80 | 370  | <i>Onitis viridulus</i>          |    | Found Apr/82     |
| 80016 | Katherine Ex. St. | 24 km N   | Katherine       | SD53/9  | 14 25 | 132 10 | Oct/75 | 500  | <i>Onitis alexis</i>             | T  | Found May/80     |
| 80016 | Katherine Ex. St. | 24 km N   | Katherine       | SD53/9  | 14 25 | 132 10 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Dec/76     |
| 80016 | Katherine Ex. St. | 24 km N   | Katherine       | SD53/9  | 14 25 | 132 10 | Oct/77 | 1700 | <i>Coprus diversus</i>           |    | Not found Apr/82 |
| 80016 | Katherine Ex. St. | 24 km N   | Katherine       | SD53/9  | 14 25 | 132 10 | Nov/76 | 1000 | <i>Coprus diversus</i>           |    | Not found Apr/82 |
| 80016 | Katherine Ex. St. | 24 km N   | Katherine       | SD53/9  | 14 25 | 132 10 | Jan/78 | 1000 | <i>Copris fallaciosus</i>        |    | Not found Apr/82 |
| 80016 | Katherine Ex. St. | 24 km N   | Katherine       | SD53/9  | 14 25 | 132 10 | Feb/78 | 1000 | <i>Copris fallaciosus</i>        |    | Not found Apr/82 |
| 80022 | Coolibah Stn      | 185 km SW | Katherine       | SD52/16 | 15 33 | 130 57 | Apr/72 | 300  | <i>Onthophagus gazella</i>       | T  |                  |
| 80022 | Coolibah Stn      | 185 km SW | Katherine       | SD52/16 | 15 33 | 130 57 | Oct/73 | 600  | <i>Onthophagus gazella</i>       | T  |                  |
| 80022 | Coolibah Stn      | 185 km SW | Katherine       | SD52/16 | 15 33 | 130 57 | Sep/73 | 200  | <i>Onthophagus gazella</i>       | GP |                  |
| 80038 | Kidman Springs    | 230 km SW | Katherine       | SE52/4  | 16 7  | 130 58 | Feb/71 | 300  | <i>Onthophagus gazella</i>       | T  | Found Aug/82     |
| 80038 | Kidman Springs    | 230 km SW | Katherine       | SE52/4  | 16 7  | 130 58 | Nov/73 | 200  | <i>Onthophagus gazella</i>       | GP | Found Jun/75     |
| 80038 | Kidman Springs    | 230 km SW | Katherine       | SE52/4  | 16 7  | 130 58 | Mar/72 | 300  | <i>Hister calidus</i>            |    | Not found Aug/82 |
| 80038 | Kidman Springs    | 230 km SW | Katherine       | SE52/4  | 16 7  | 130 58 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jun/75     |
| 80046 | Humbert River     | 290 km SW | Katherine       | SE52/4  | 16 7  | 130 58 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 80088 | CSIRO Exp. Stn    | km        | Katherine       | SE52/4  | 16 29 | 130 37 | Feb/70 | 500  | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 80088 | CSIRO Exp. Stn    | km        | Katherine       | SD53/9  | 14 56 | 132 15 |        |      | <i>Onitis viridulus</i>          |    | Found May/80     |
| 80088 | CSIRO Exp. Stn    | km        | Katherine       | SD53/9  | 14 56 | 132 15 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82     |



|       |                    |           |           |         |       |        |        |      |                                  |                  |
|-------|--------------------|-----------|-----------|---------|-------|--------|--------|------|----------------------------------|------------------|
| 80088 | CSIRO Exp. Stn     | km        | Katherine | SD53/9  | 14 56 | 132 15 | Feb/70 | 250  | <i>Liatongus militaris</i>       | Not found Apr/82 |
| 80088 | CSIRO Exp. Stn     | km        | Katherine | SD53/9  | 14 56 | 132 15 | Mar/72 | 300  | <i>Hister calitus</i>            | Not found Apr/82 |
| 80091 | Uralla Park        | 10 km SE  | Katherine | SD53/9  | 14 30 | 132 22 |        |      | <i>Onthophagus gazella</i>       | Found Dec/76     |
| 80091 | Uralla Park        | 10 km SE  | Katherine | SD53/9  | 14 30 | 132 22 |        |      | <i>Onitis viridulus</i>          | Found May/80     |
| 80091 | Uralla Park        | 10 km SE  | Katherine | SD53/9  | 14 30 | 132 22 | Mar/76 | 500  | <i>Onitis alexis</i>             | Found Dec/76     |
| 80091 | Uralla Park        | 10 km SE  | Katherine | SD53/9  | 14 30 | 132 22 |        |      | <i>Euoniticellus intermedius</i> | Found Apr/77     |
| 80171 | Recovery Area      | 96 km SW  | Katherine | SD53/13 | 15 0  | 132 0  |        |      | <i>Euoniticellus intermedius</i> | Found Apr/77     |
| 80171 | Recovery Area      | 96 km SW  | Katherine | SD53/13 | 15 0  | 132 0  | Oct/75 | 500  | <i>Onitis alexis</i>             | Found May/80     |
| 80202 | Manbulloo          | 10 km SW  | Katherine | SD53/9  | 14 31 | 132 12 |        |      | <i>Onitis viridulus</i>          | Found May/80     |
| 80202 | Manbulloo          | 10 km SW  | Katherine | SD53/9  | 14 31 | 132 12 |        |      | <i>Onthophagus gazella</i>       | Found May/80     |
| 80202 | Manbulloo          | 10 km SW  | Katherine | SD53/9  | 14 31 | 132 12 | Nov/70 | 220  | <i>Onthophagus gazella</i>       | Found May/80     |
| 80202 | Manbulloo          | 10 km SW  | Katherine | SD53/9  | 14 31 | 132 12 | Apr/71 | 250  | <i>Onthophagus gazella</i>       | Found Dec/77     |
| 80202 | Manbulloo          | 10 km SW  | Katherine | SD53/9  | 14 31 | 132 12 | Mar/72 | 300  | <i>Onthophagus gazella</i>       | Found May/80     |
| 80202 | Manbulloo          | 10 km SW  | Katherine | SD53/9  | 14 31 | 132 12 |        |      | <i>Euoniticellus intermedius</i> | Found May/80     |
| 80202 | Manbulloo          | 10 km SW  | Katherine | SD53/9  | 14 31 | 132 12 | Mar/72 | 250  | <i>Onthophagus gazella</i>       | Found May/80     |
| 80217 | Delamere           | 165 km SW | Katherine | SD52/16 | 15 44 | 131 32 |        |      | <i>Onthophagus gazella</i>       | Found May/80     |
| 80218 | Meatworks Farm     | km        | Katherine | SD53/9  | 14 28 | 132 16 | Mar/72 | 200  | <i>Onthophagus gazella</i>       | Found May/80     |
| 80222 | Eva Valley         | 67 km NE  | Katherine | SD53/9  | 14 16 | 132 50 | Mar/72 | 200  | <i>Onthophagus gazella</i>       | Found May/80     |
| 80222 | Scott Creek        | 65 km SW  | Katherine | SD52/12 | 14 51 | 131 50 | Sep/73 | 200  | <i>Onthophagus gazella</i>       | Found May/80     |
| 80222 | Scott Creek        | 65 km SW  | Katherine | SD52/12 | 14 51 | 131 50 | Jan/73 | 400  | <i>Onthophagus gazella</i>       | Found Jul/83     |
| 80222 | Scott Creek        | 65 km SW  | Katherine | SD52/12 | 14 51 | 131 50 |        |      | <i>Onitis viridulus</i>          | Found Jul/83     |
| 80222 | Scott Creek        | 65 km SW  | Katherine | SD52/12 | 14 51 | 131 50 | Dec/77 | 1100 | <i>Coprus diversus</i>           | Found Jul/83     |
| 80222 | Scott Creek        | 65 km SW  | Katherine | SD52/12 | 14 51 | 131 50 |        |      | <i>Euoniticellus intermedius</i> | Found May/80     |
| 80239 | Bulman Riv. Stn    | 244 km NW | Katherine | SD53/6  | 13 42 | 134 23 |        |      | <i>Onthophagus gazella</i>       | Found May/79     |
| 80239 | Bulman Riv. Stn    | 244 km NW | Katherine | SD53/6  | 13 42 | 134 23 |        |      | <i>Euoniticellus intermedius</i> | Found May/79     |
| 80274 | Pony Club          | 4 km E    | Katherine | SD53/09 | 14 29 | 132 17 |        |      | <i>Onthophagus gazella</i>       | Found May/80     |
| 80274 | Pony Club          | 4 km E    | Katherine | SD53/09 | 14 29 | 132 17 |        |      | <i>Onitis viridulus</i>          | Found May/80     |
| 80275 | Rundle P.K. + R.T. | km        | Katherine | SD53/09 | 14 29 | 132 16 |        |      | <i>Onthophagus gazella</i>       | Found May/80     |
| 80275 | Rundle P.K. + R.T. | km        | Katherine | SD53/09 | 14 29 | 132 16 |        |      | <i>Onitis viridulus</i>          | Found May/80     |
| 80275 | Rundle P.K. + R.T. | km        | Katherine | SD53/09 | 14 29 | 132 16 |        |      | <i>Euoniticellus intermedius</i> | Found May/80     |
| 80276 | Lilypond + NW F    | 4 km S    | Katherine | SD53/09 | 14 30 | 132 13 |        |      | <i>Onitis viridulus</i>          | Found May/80     |
| 80276 | Lilypond + NW F    | 4 km S    | Katherine | SD53/09 | 14 30 | 132 13 |        |      | <i>Onthophagus gazella</i>       | Found May/80     |
| 80276 | Lilypond + NW F    | 4 km S    | Katherine | SD53/09 | 14 30 | 132 13 |        |      | <i>Euoniticellus intermedius</i> | Found May/80     |
| 80278 | Carbeen Park       | 35 km SW  | Katherine | SD52/12 | 14 37 | 131 59 |        |      | <i>Onthophagus gazella</i>       | Found May/80     |
| 80278 | Carbeen Park       | 35 km SW  | Katherine | SD52/12 | 14 37 | 131 59 |        |      | <i>Euoniticellus intermedius</i> | Found May/80     |
| 80279 | Larrakeya Past.    | 37 km WSW | Katherine | SD52/12 | 14 32 | 131 56 |        |      | <i>Onthophagus gazella</i>       | Found May/80     |
| 80279 | Larrakeya Past     | 37 km WSW | Katherine | SD52/12 | 14 32 | 131 56 |        |      | <i>Euoniticellus intermedius</i> | Found May/80     |
| 80280 | Phillips Farm      | 6 km NE   | Katherine | SD53/09 | 14 25 | 132 18 |        |      | <i>Onthophagus gazella</i>       | Found May/80     |
| 80280 | Phillips Farm      | 6 km NE   | Katherine | SD53/09 | 14 25 | 132 18 |        |      | <i>Onitis viridulus</i>          | Found May/80     |
| 80280 | Phillips Farm      | 6 km NE   | Katherine | SD53/09 | 14 25 | 132 18 |        |      | <i>Euoniticellus intermedius</i> | Found May/80     |
| 80281 | Radunz's Farm      | 3 km NNE  | Katherine | SD53/09 | 14 26 | 132 16 |        |      | <i>Onthophagus gazella</i>       | Found May/80     |
| 80281 | Radunz's Farm      | 3 km NNE  | Katherine | SD53/09 | 14 26 | 132 16 |        |      | <i>Euoniticellus intermedius</i> | Found May/80     |
| 80281 | Radunz's Farm      | 3 km NNE  | Katherine | SD53/09 | 14 26 | 132 16 |        |      | <i>Onthophagus gazella</i>       | Found May/80     |
| 80281 | Radunz's Farm      | 3 km NNE  | Katherine | SD53/09 | 14 26 | 132 16 |        |      | <i>Euoniticellus intermedius</i> | Found May/80     |

| Index | Property         | Location   | Town                   | Map      | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status       |
|-------|------------------|------------|------------------------|----------|-------|--------|--------|------|----------------------------------|----|--------------|
| 80282 | King River Farm  | 36 km SSW  | Katherine              | SD53/09  | 14 51 | 132 18 |        |      | <i>Onthophagus gazella</i>       | T  | Found May/80 |
| 80282 | King River Farm  | 36 km SSW  | Katherine              | SD53/09  | 14 51 | 132 18 |        |      | <i>Euoniticellus intermedius</i> |    | Found May/80 |
| 80286 | Pandamus         | 13 km NE   | Katherine              | SD53/09  | 14 24 | 132 22 |        |      | <i>Onitis viridulus</i>          | T  | Found May/80 |
| 80286 | Pandamus         | 13 km NE   | Katherine              | SD53/09  | 14 24 | 132 22 |        |      | <i>Onthophagus gazella</i>       | T  | Found May/80 |
| 80288 | Maud Creek Farm  | 23 km ENE  | Katherine              | SD53/09  | 14 27 | 132 27 |        |      | <i>Onthophagus gazella</i>       | T  | Found May/80 |
| 80288 | Maud Creek Farm  | 23 km ENE  | Katherine              | SD53/09  | 14 27 | 132 27 |        |      | <i>Euoniticellus intermedius</i> | T  | Found May/80 |
| 80289 | Springvale Sibs  | 5 km SW    | Katherine              | SD53/09  | 14 30 | 132 14 |        |      | <i>Onthophagus gazella</i>       | T  | Found May/80 |
| 80289 | Springvale Sibs  | 5 km SW    | Katherine              | SD53/09  | 14 30 | 132 14 |        |      | <i>Onitis viridulus</i>          | T  | Found May/80 |
| 80290 | Edith River Farm | 40 km NW   | Katherine              | SD52/12  | 14 13 | 131 59 |        |      | <i>Onthophagus gazella</i>       | T  | Found May/80 |
| 80290 | Edith River Farm | 40 km NW   | Katherine              | SD52/12  | 14 13 | 131 59 |        |      | <i>Onitis viridulus</i>          | T  | Found May/80 |
| 80290 | Edith River Farm | 40 km NW   | Katherine              | SD52/12  | 14 13 | 131 59 |        |      | <i>Onthophagus sagittarius</i>   |    | Found May/80 |
| 80290 | Edith River Farm | 40 km NW   | Katherine              | SD52/12  | 14 13 | 131 59 |        |      | <i>Euoniticellus intermedius</i> |    | Found May/80 |
| 80314 | Recovery Area    | 52 km SW   | Katherine              | SD52/12  | 14 47 | 131 58 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Apr/82 |
| 80315 | Recovery Area    | 95 km SW   | Katherine              | SD52/12  | 14 59 | 131 19 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82 |
| 80315 | Recovery Area    | 95 km SW   | Katherine              | SD52/12  | 14 59 | 131 19 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Apr/82 |
| 80324 | Recovery Area    | 150 km SSW | Katherine              | SD52/16  | 15 29 | 131 38 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82 |
| 80324 | Recovery Area    | 150 km SSW | Katherine              | SD52/16  | 15 29 | 131 38 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Apr/82 |
| 80324 | Recovery Area    | 185 km SSW | Katherine              | SD52//16 | 15 44 | 131 44 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82 |
| 80325 | Recovery Area    | 185 km SSW | Katherine              | SD52/16  | 15 44 | 131 44 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Apr/82 |
| 80326 | Recovery Area    | 218 km SSW | Katherine              | SD52/16  | 15 55 | 131 52 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82 |
| 80326 | Recovery Area    | 218 km SSW | Katherine              | SD52/16  | 15 55 | 131 52 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Apr/82 |
| 80327 | Recovery Area    | 240 km SSW | Katherine              | SE52/04  | 16 02 | 131 58 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82 |
| 80328 | Recovery Area    | 256 km SSW | Katherine              | SE52/04  | 16 10 | 131 59 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Apr/82 |
| 80329 | Recovery Area    | 271 km SSW | Katherine              | SE52/04  | 16 18 | 131 57 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82 |
| 80330 | Maranboy         | 54 km SE   | Katherine              | SD53/09  | 14 40 | 132 39 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Apr/82 |
| 80284 | Back Pk. Junct.  | 10 km E    | Katherine (Kumbidgee)  | SD53/09  | 14 25 | 132 21 |        |      | <i>Onitis viridulus</i>          |    | Found May/80 |
| 80284 | Back Pk. Junct.  | 10 km E    | Katherine (Kumbidgee)  | SD53/09  | 14 25 | 132 21 |        |      | <i>Onthophagus gazella</i>       | T  | Found May/80 |
| 80284 | Back Pk. Junct.  | 10 km E    | Katherine (Kumbidgee)  | SD53/09  | 14 25 | 132 21 |        |      | <i>Euoniticellus intermedius</i> | T  | Found May/80 |
| 80285 | Hmst Stock Yds   | 8 km NE    | Katherine (Kumbidgee)  | SD53/09  | 14 28 | 132 20 |        |      | <i>Onthophagus gazella</i>       | T  | Found May/80 |
| 80285 | Hmst Stock Yds   | 8 km NE    | Katherine (Kumbidgee)  | SD53/09  | 14 28 | 132 20 |        |      | <i>Onitis viridulus</i>          | T  | Found May/80 |
| 80285 | Hmst Stock Yds   | 8 km NE    | Katherine (Kumbidgee)  | SD53/09  | 14 28 | 132 20 |        |      | <i>Euoniticellus intermedius</i> | T  | Found May/80 |
| 80283 | Camp Oven West   | 90 km SW   | Katherine (Scott C.R.) | SD52/16  | 15 05 | 131 40 |        |      | <i>Onthophagus gazella</i>       | T  | Found May/80 |
| 80283 | Camp Oven West   | 90 km SW   | Katherine (Scott CR)   | SD52/16  | 15 05 | 131 40 |        |      | <i>Euoniticellus intermedius</i> | T  | Found May/80 |
| 80126 | Kymtania         | km         | Katherine Farm West    | SD53/9   | 14 32 | 132 5  |        |      | <i>Onitis alexis</i>             | T  | Found May/80 |
| 80126 | Kymtania         | km         | Katherine Farm West    | SD53/9   | 14 32 | 132 5  |        |      | <i>Onthophagus gazella</i>       | GP | Found Dec/76 |
| 80126 | Kymtania         | km         | Katherine Farm West    | SD53/9   | 14 32 | 132 5  |        |      | <i>Onitis viridulus</i>          | T  | Found May/80 |
| 80126 | Kymtania         | km         | Katherine Farm West    | SD53/9   | 14 32 | 132 5  |        |      | <i>Onthophagus gazella</i>       | T  | Found May/80 |
| 80126 | Kymtania         | km         | Katherine Farm West    | SD53/9   | 14 32 | 132 5  |        |      | <i>Euoniticellus intermedius</i> | T  | Found May/80 |
| 50008 | Illawong         | 29 km NW   | Keith                  | SF53/9   | 14 32 | 132 5  | Sep/72 | 594  | <i>Onthophagus gazella</i>       | C  | Found May/80 |
| 20107 | Martin (Mr D.B.) | 11 km NE   | Kempsey                | SH56/14  | 31 0  | 152 54 | Jan/74 | 500  | <i>Onthophagus gazella</i>       | C  | Found May/80 |

|       |                 |           |                        |         |       |        |        |      |    |                                  |   |                  |
|-------|-----------------|-----------|------------------------|---------|-------|--------|--------|------|----|----------------------------------|---|------------------|
| 20176 | Oreenbrook      | 48 km NW  | Kempsey                | SH56/10 | 30 49 | 152 30 | Jan/75 | 500  | C  | <i>Onthophagus gazella</i>       | C | Found Mar/81     |
| 20176 | Oreenbrook      | 48 km NW  | Kempsey                | SH56/10 | 30 49 | 152 30 |        |      | SR | <i>Onthophagus binodis</i>       |   | Not found Mar/81 |
| 20176 | Oreenbrook      | 48 km NW  | Kempsey                | SH56/10 | 30 49 | 152 30 |        |      |    | <i>Hister nomas</i>              |   | Found Mar/81     |
| 20176 | Greenbrook      | 48 km NW  | Kempsey                | SH56/10 | 30 49 | 152 30 |        |      |    | <i>Euoniticellus intermedius</i> | C | Found Mar/81     |
| 20176 | Oreenbrook      | 48 km NW  | Kempsey                | SH56/10 | 30 49 | 152 30 |        |      |    | <i>Onitis alexis</i>             | C | Found Mar/81     |
| 20361 | (Road Release)  | 1 km N    | Kempsey                | SH56/14 | 31 4  | 152 51 | Feb/77 | 2000 | C  | <i>Onthophagus gazella</i>       |   | Found Feb/81     |
| 20361 | (Road Release)  | 1 km N    | Kempsey                | SH56/14 | 31 4  | 152 51 |        |      |    | <i>Euoniticellus intermedius</i> |   | Found Mar/81     |
| 20361 | (Road Release)  | 1 km N    | Kempsey                | SH56/14 | 31 4  | 152 51 |        |      |    | <i>Hister nomas</i>              |   | Found Feb/77     |
| 20423 | Recovery Area   | 35 km NE  | Kempsey                | SH56/10 | 30 50 | 152 32 |        |      |    | <i>Hister nomas</i>              | C | Found Dec/76     |
| 20624 | Telegraph Point | 42 km S   | Kempsey                | SH56/14 | 31 20 | 152 47 |        |      |    | <i>Onthophagus gazella</i>       | C | Found Feb/81     |
| 20624 | Telegraph point | 42 km S   | Kempsey                | SH56/14 | 31 20 | 152 47 |        |      |    | <i>Euoniticellus intermedius</i> |   | Found Feb/81     |
| 20624 | Telegraph Point | 42 km S   | Kempsey                | SH56/14 | 31 20 | 152 47 |        |      |    | <i>Hister nomas</i>              |   | Found Feb/81     |
| 20641 | Comara          | 68 km NW  | Kempsey                | SH56/10 | 30 47 | 152 22 |        |      |    | <i>Onthophagus gazella</i>       | C | Found Mar/81     |
| 20641 | Comara          | 68 km NW  | Kempsey                | SH56/10 | 30 47 | 152 22 |        |      |    | <i>Euoniticellus intermedius</i> |   | Found Mar/81     |
| 20641 | Comara          | 68 km NW  | Kempsey                | SH56/10 | 30 47 | 152 22 |        |      |    | <i>Onitis alexis</i>             | C | Found Mar/81     |
| 20642 | Recovery Area   | 13 km NW  | Kempsey                | SH56/14 | 31 01 | 152 43 |        |      |    | <i>Onthophagus gazella</i>       | C | Found Mar/81     |
| 20642 | Recovery Area   | 13 km NW  | Kempsey                | SH56/14 | 31 01 | 152 43 |        |      |    | <i>Euoniticellus intermedius</i> |   | Found Mar/81     |
| 20642 | Recovery Area   | 13 km NW  | Kempsey                | SH56/14 | 31 01 | 152 43 |        |      |    | <i>Onitis alexis</i>             | C | Found Mar/81     |
| 20643 | U. Taylors Arm  | 45 km NNW | Kempsey                | SH56/10 | 30 47 | 152 41 |        |      |    | <i>Onthophagus gazella</i>       | C | Found Mar/81     |
| 20643 | U. Taylors Arm  | 45 km NNW | Kempsey                | SH56/10 | 30 47 | 152 41 |        |      |    | <i>Euoniticellus intermedius</i> |   | Found Mar/81     |
| 20643 | U. Taylors Arm  | 45 km NNW | Kempsey                | SH56/10 | 30 47 | 152 41 |        |      |    | <i>Onitis alexis</i>             | C | Found Mar/81     |
| 20732 | Recovery Area   | 25 km N   | Kempsey                | SH56/10 | 30 57 | 152 57 |        |      |    | <i>Euoniticellus intermedius</i> | C | Found Feb/82     |
| 20625 | Recovery Area   | 16 km S   | Kempsey (Nr.Kundabung) | SH56/14 | 31 12 | 152 50 | Dec/73 | 500  | C  | <i>Onthophagus gazella</i>       |   | Found Feb/81     |
| 20099 | Glen View Grove | km        | Kenthurst              | SI56/5  | 33 31 | 151 1  |        |      |    | <i>Onthophagus gazella</i>       | C | Found Mar/81     |
| 20426 | Recovery Area   | 2 km N    | Kew                    | SH56/14 | 31 37 | 152 43 |        |      |    | <i>Onthophagus gazella</i>       | C | Found Mar/81     |
| 20426 | Recovery Area   | 2 km N    | Kew                    | SH56/14 | 31 37 | 152 43 |        |      |    | <i>Euoniticellus intermedius</i> |   | Found Mar/81     |
| 20426 | Recovery Area   | 2 km N    | Kew                    | SH56/14 | 31 37 | 152 43 |        |      |    | <i>Hister nomas</i>              |   | Found Dec/76     |
| 20733 | Recovery Area   | 10 km N   | Kew                    | SH56/14 | 31 32 | 152 45 |        |      |    | <i>Onthophagus gazella</i>       | C | Found Feb/82     |
| 20733 | Recovery Area   | 10 km N   | Kew                    | SH56/14 | 31 32 | 152 45 |        |      |    | <i>Hister nomas</i>              |   | Found Feb/82     |
| 20733 | Recovery Area   | 10 km N   | Kew                    | SH56/14 | 31 32 | 152 45 |        |      |    | <i>Euoniticellus intermedius</i> |   | Found Feb/82     |
| 20816 | Minnamurra      | 8 km N    | Kiama                  | SI56/09 | 34 35 | 150 50 | Dec/80 | 1000 | C  | <i>Onitis alexis</i>             |   | Found Feb/82     |
| 20822 | Roadside        | 6 km W    | Kiama                  | SI56/09 | 34 39 | 150 47 | Dec/80 | 1000 | C  | <i>Onitis alexis</i>             |   | Found Mar/81     |
| 20823 | Roadside        | 7 km S    | Kiama                  | SI56/09 | 34 42 | 150 50 | Dec/80 | 1000 | C  | <i>Onitis alexis</i>             |   | Found Dec/76     |
| 20824 | Roadside        | 14 km S   | Kiama                  | SI56/09 | 34 32 | 150 50 | Dec/80 | 1000 | C  | <i>Onitis alexis</i>             |   | Found Feb/82     |
| 20825 | Roadside        | 21 km S   | Kiama                  | SI56/09 | 34 29 | 150 50 | Dec/80 | 1000 | C  | <i>Onitis alexis</i>             |   | Found Feb/82     |
| 40176 | Yabba           | 30 km NNW | Kilcoy                 | SG56/10 | 26 40 | 152 30 | Dec/74 | 500  | C  | <i>Onthophagus gazella</i>       |   | Found Feb/82     |
| 40491 | Commenmara      | 20 km NE  | Kilcoy                 | SG56/10 | 26 48 | 152 43 | Mar/77 | 600  |    | <i>Sisypus spinipes</i>          |   | Found Feb/82     |
| 40491 | Commenmara      | 20 km NE  | Kilcoy                 | SG56/10 | 26 48 | 152 43 | Mar/77 | 1200 | GP | <i>Onthophagus gazella</i>       |   |                  |
| 40491 | Commenmara      | 20 km NE  | Kilcoy                 | SG56/10 | 26 48 | 152 43 | Mar/77 | 300  |    | <i>Onthophagus sagittarius</i>   |   |                  |
| 40491 | Commenmara      | 20 km NE  | Kilcoy                 | SG56/10 | 26 48 | 152 43 | Mar/77 | 650  |    | <i>Liatongus militaris</i>       |   |                  |
| 40491 | Commenmara      | 20 km NE  | Kilcoy                 | SG56/10 | 26 48 | 152 43 | Mar/77 | 2900 |    | <i>Euoniticellus intermedius</i> |   | Found Mar/82     |
| 40693 | Recovery Area   | 1 km W    | Kilcoy                 | SG56/10 | 26 57 | 152 33 | Mar/77 |      | T  | <i>Onthophagus gazella</i>       |   |                  |

| Index | Property         | Location   | Town                 | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|------------------|------------|----------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 40693 | Recovery Area    | 1 km W     | Kilcoy               | SG56/10 | 26 57 | 152 33 |        |      | <i>Onthophagus sagittarius</i>   |    | Found Mar/82     |
| 40061 | Kingaroey Stn    | 2 km S     | Kingaroey            | SG56/10 | 26 35 | 151 50 | Oct/73 | 500  | <i>Onthophagus gazella</i>       | C  | Found Nov/79     |
| 40061 | Kingaroey Stn    | 2 km S     | Kingaroey            | SG56/10 | 26 35 | 151 50 | Oct/73 | 500  | <i>Onthophagus binodis</i>       | SR | Not found Jan/82 |
| 40061 | Kingaroey Stn    | 2 km S     | Kingaroey            | SG56/10 | 26 35 | 151 50 | Feb/80 | 4000 | <i>Sisyphus rubrus</i>           |    | Not found Jan/82 |
| 40061 | Kingaroey Stn    | 2 km S     | Kingaroey            | SG56/10 | 26 35 | 151 50 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 40061 | Kingaroey Stn    | 2 km S     | Kingaroey            | SG56/10 | 26 35 | 151 50 | Oct/73 | 300  | <i>Onitis alexis</i>             | C  | Found Nov/76     |
| 40061 | Kingaroey Stn    | 2 km S     | Kingaroey            | SG56/10 | 26 35 | 151 50 |        |      | <i>Hister nomas</i>              |    | Found Jan/82     |
| 20499 | Recovery Area    | 5 km W     | Kingstown            | SH56/9  | 30 30 | 131 8  |        |      | <i>Euoniticellus intermedius</i> |    | Found Jan/77     |
| 60008 | Chymen Aike      | 64 km S    | Kojoonup             | SI50/11 | 34 15 | 117 29 | Sep/72 | 452  | <i>Onthophagus binodis</i>       | WR | Not found        |
| 60099 | Brackendene      | 45 km W    | Kojoonup             | SI50/6  | 33 51 | 116 47 | Jan/77 | 500  | <i>Onthophagus binodis</i>       | WR |                  |
| 60189 | Priory Park      | 15 km NW   | Kojoonup             | SI50/7  | 33 46 | 117 02 | Mar/79 | 600  | <i>Onthophagus taurus</i>        | 2  |                  |
| 60189 | Priory Park      | 15 km NW   | Kojoonup             | SI50/7  | 33 46 | 117 02 | Apr/79 | 1150 | <i>Onthophagus taurus</i>        | 2  |                  |
| 30005 | Menindee Park    | 10 km NE   | Koo-wee-rup          | SI55/10 | 38 10 | 145 32 | Sep/72 | 500  | <i>Onthophagus gazella</i>       | C  |                  |
| 80169 | Recovery Area    | 28 km N    | Kulgera (Stuart Hwy) | SG53/5  | 25 36 | 133 12 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/77     |
| 80170 | Recovery Area    | 8 km SW    | Kulgera (Stuart Hwy) | SG53/5  | 25 54 | 133 15 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/77     |
| 60043 | Rosewood         | 83 km SSE  | Kununurra            | SE52/2  | 16 31 | 128 57 | Nov/73 | 200  | <i>Onthophagus gazella</i>       | GP |                  |
| 60074 | Kimberley R. Stn | 15 km N    | Kununurra            | SD51/14 | 15 39 | 128 42 | Mar/76 | 500  | <i>Onitis alexis</i>             | T  |                  |
| 60074 | Kimberley R. Stn | 15 km N    | Kununurra            | SD52/14 | 15 39 | 128 42 | Jan/70 | 254  | <i>Onthophagus sagittarius</i>   |    |                  |
| 60074 | Kimberley R. Stn | 15 km N    | Kununurra            | SD52/14 | 15 39 | 128 42 | Jan/70 | 2260 | <i>Onthophagus gazella</i>       | T  | Found Apr/71     |
| 60074 | Kimberley R. Stn | 15 km N    | Kununurra            | SD52/14 | 15 39 | 128 42 | Jan/70 | 132  | <i>Copris incertus</i>           |    |                  |
| 60074 | Kimberley R. Stn | 15 km N    | Kununurra            | SD52/14 | 15 39 | 128 42 | Jan/70 | 1032 | <i>Liatongus militaris</i>       |    |                  |
| 60074 | Kimberley R. Stn | 15 km N    | Kununurra            | SD52/14 | 15 39 | 128 42 | Jan/70 | 64   | <i>Hister caffer</i>             |    |                  |
| 60074 | Kimberley R. Stn | 15 km N    | Kununurra            | SD52/14 | 15 39 | 128 42 | Jan/72 | 260  | <i>Hister calidus</i>            |    |                  |
| 60333 | Recovery Area    | 40 km SE   | Kununurra            | SD52/14 | 15 59 | 128 58 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82     |
| 60333 | Recovery Area    | 40 km SE   | Kununurra            | SD52/14 | 15 59 | 128 58 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82     |
| 60334 | Recovery Area    | 35 km WSW  | Kununurra            | SD52/14 | 15 48 | 128 29 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82     |
| 60334 | Recovery Area    | 35 km WSW  | Kununurra            | SD52/14 | 15 48 | 128 29 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82     |
| 80021 | Auvergne         | 138 km ENE | Kununurra (WA)       | SD52/15 | 15 41 | 130 0  | Feb/70 | 1000 | <i>Onthophagus gazella</i>       | T  | Found May/77     |
| 80021 | Auvergne         | 138 km ENE | Kununurra (WA)       | SD52/15 | 15 41 | 130 0  | Jan/74 | 350  | <i>Onthophagus gazella</i>       | GP | Found May/77     |
| 80021 | Auvergne         | 138 km ENE | Kununurra (WA)       | SD52/15 | 15 41 | 130 0  | Sep/73 | 200  | <i>Onthophagus gazella</i>       | GP | Found May/77     |
| 80021 | Auvergne         | 138 km ENE | Kununurra (WA)       | SD52/14 | 15 41 | 130 0  | Jan/74 | 500  | <i>Onitis alexis</i>             | T  | Found May/77     |
| 80021 | Auvergne         | 128 km ENE | Kununurra (WA)       | SD52/15 | 15 41 | 130 0  | Feb/70 | 250  | <i>Liatongus militaris</i>       |    |                  |
| 80021 | Auvergne         | 136 ENE    | Kununurra (WA)       | SD52/15 | 15 41 | 130 0  | Apr/72 | 300  | <i>Hister calidus</i>            |    |                  |
| 80021 | Auvergne         | 138 km ENE | Kununurra (WA)       | SD52/15 | 15 41 | 130 0  |        |      | <i>Euoniticellus intermedius</i> |    | Found May/77     |
| 80045 | Camfield Stn     | 120 km SSE | Kununurra (WA)       | SE52/8  | 17 8  | 131 21 |        |      | <i>Onthophagus gazella</i>       | GP | Found Jun/75     |
| 80045 | Camfield Stn     | 120 km SSE | Kununurra (WA)       | SE52/8  | 17 8  | 131 21 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 80057 | Limbunga         | 210 km SW  | Kununurra (WA)       | SE52/7  | 17 14 | 129 53 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 80320 | Recovery Area    | 110 km E   | Kununurra (WA)       | SE52/03 | 16 00 | 129 01 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82     |
| 80320 | Recovery Area    | 110 km E   | Kununurra (WA)       | SE52/03 | 16 00 | 129 01 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82     |
| 80321 | Recovery Area    | 165 km SE  | Kununurra (WA)       | SE52/03 | 16 22 | 129 03 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82     |

|       |                 |           |                        |         |       |        |        |      |    |                                  |                  |
|-------|-----------------|-----------|------------------------|---------|-------|--------|--------|------|----|----------------------------------|------------------|
| 20658 | Recovery Area   | 1 km N    | Kyalite                | SI54/12 | 34 57 | 143 29 | Dec/73 | 500  | C  | <i>Onitis alexis</i>             | Found Mar/81     |
| 20101 | The Risk        | 26 km NNW | Kyogle                 | SH56/2  | 28 27 | 152 57 | Dec/73 | 500  | SR | <i>Onthophagus binodis</i>       | Not found Mar/81 |
| 20101 | The Risk        | 26 km NNW | Kyogle                 | SH56/2  | 28 27 | 152 57 | Dec/73 | 500  | C  | <i>Onthophagus gazella</i>       | Found Mar/81     |
| 20101 | The Risk        | 26 km NNW | Kyogle                 | SH56/2  | 28 27 | 152 57 | Dec/73 | 400  | C  | <i>Onitis alexis</i>             | Not found Mar/81 |
| 20101 | The Risk        | 26 km NNW | Kyogle                 | SH56/2  | 28 27 | 152 57 | Dec/73 | 500  | C  | <i>Euoniticellus intermedius</i> | Found Mar/81     |
| 20101 | The Risk        | 26 km NNW | Kyogle                 | SH56/2  | 28 27 | 152 57 | Dec/73 | 500  | C  | <i>Hister nomas</i>              | Found Mar/81     |
| 20647 | Recovery Area   | 26 km NNW | Kyogle                 | SH56/03 | 28 37 | 153 00 | Dec/73 | 500  | C  | <i>Onthophagus gazella</i>       | Found Mar/81     |
| 20647 | Recovery Area   | 26 km NNW | Kyogle                 | SH56/03 | 28 37 | 153 00 | Dec/73 | 500  | C  | <i>Hister nomas</i>              | Found Mar/81     |
| 20647 | Recovery Area   | 26 km NNW | Kyogle                 | SH56/03 | 28 37 | 153 00 | Dec/73 | 500  | C  | <i>Euoniticellus intermedius</i> | Found Mar/81     |
| 80257 | Muckaty Station | 2+ km     | Laddibah Br.           | SE53/10 | 18 38 | 133 39 | Jan/75 | 500  | T  | <i>Onthophagus gazella</i>       | Found Mar/81     |
| 20174 | (Road Release)  | 1 km NW   | Lake Cargelligo        | SI55/6  | 33 18 | 146 24 | Jan/75 | 500  | C  | <i>Onthophagus gazella</i>       | Found Mar/81     |
| 20174 | (Road Release)  | 1 km NW   | Lake Cargelligo        | SI55/6  | 33 18 | 146 24 | Jan/75 | 500  | C  | <i>Onthophagus binodis</i>       | Found Nov.79     |
| 20566 | Recovery Area   | 20 km NE  | Lake Cargelligo        | SI55/06 | 33 13 | 146 26 | Jan/76 | 500  | 1  | <i>Euoniticellus intermedius</i> | Found Nov/79     |
| 20567 | Recovery Area   | 38 km S   | Lake Cargelligo        | SI55/06 | 33 37 | 146 22 | Jan/76 | 500  | 2  | <i>Euoniticellus intermedius</i> | Not found Oct/80 |
| 30024 | Recovery Area   | 5 km SW   | Lancefield             | SI55/5  | 37 19 | 144 42 | Jan/80 | 1700 | 2  | <i>Onthophagus taurus</i>        | Not found Oct/80 |
| 30037 | Rochford Farm   | 8 km SE   | Lang Lang              | SI55/10 | 38 19 | 145 35 | Jan/80 | 1700 | 2  | <i>Euoniticellus fulvus</i>      | Found Apr/82     |
| 80335 | Sylvandale      | 15 km S   | Larrimah               | SD53/13 | 15 41 | 133 18 | Sep/72 | 606  | T  | <i>Onthophagus gazella</i>       | Found Apr/82     |
| 80335 | Recovery Area   | 15 km S   | Larrimah               | SD53/13 | 15 41 | 133 18 | Sep/72 | 606  | C  | <i>Euoniticellus intermedius</i> | Not found Mar/80 |
| 70002 | Wingul          | 32 km N   | Launceston             | SK55/04 | 41 1  | 147 7  | Mar/73 | 500  | C  | <i>Onthophagus gazella</i>       | Not found Mar/80 |
| 70006 | Native Point    | 19 km SSE | Launceston             | SK55/84 | 41 36 | 147 13 | Feb/80 | 1580 | 4  | <i>Euoniticellus africanus</i>   | Not found Mar/80 |
| 70015 | Whisloca        | 50 km E   | Launceston (Blisngton) | SK55/04 | 41 31 | 147 29 | Mar/73 | 300  | T  | <i>Euoniticellus fulvus</i>      | Not found Jan/82 |
| 40028 | Kalpowar        | 80 km NNW | Laura                  | SD55/9  | 14 54 | 144 13 | Mar/73 | 300  | T  | <i>Sisyphus spinipes</i>         | Found Feb/75     |
| 40028 | Kalpowar        | 80 km NNW | Laura                  | SD55/9  | 14 54 | 144 13 | Mar/69 | 5962 | T  | <i>Onthophagus gazella</i>       | Found Feb/75     |
| 40028 | Kalpowar        | 80 km NNW | Laura                  | SD55/9  | 14 54 | 144 13 | Dec/73 | 500  | GP | <i>Onthophagus gazella</i>       | Found May/75     |
| 40028 | Kalpowar        | 80 km NNW | Laura                  | SD55/9  | 14 54 | 144 13 | Dec/73 | 500  | GP | <i>Onthophagus gazella</i>       | Found Jun/75     |
| 40028 | Kalpowar        | 80 km NNW | Laura                  | SD55/9  | 14 54 | 144 13 | Mar/69 | 2015 | GP | <i>Onthophagus gazella</i>       | Found Jun/76     |
| 40028 | Kalpowar        | 80 km NNW | Laura                  | SD55/9  | 14 54 | 144 13 | Jan/73 | 153  | GP | <i>Liatongus militaris</i>       | Found Oct/75     |
| 40028 | Kalpowar        | 80 km NNW | Laura                  | SD55/9  | 14 54 | 144 13 | Dec/73 | 500  | T  | <i>Hister calidus</i>            | Found Aug/82     |
| 40497 | Laura Gorge     | 11 km SSE | Laura                  | SD55/13 | 15 39 | 144 31 | Dec/73 | 500  | T  | <i>Euoniticellus intermedius</i> | Found Aug/82     |
| 40505 | Strathleven     | 120 km SW | Laura Cape York Pen.   | SD54/16 | 15 55 | 143 23 | Mar/72 | 500  | GP | <i>Onthophagus gazella</i>       | Found Apr/78     |
| 40509 | Christmas Creek | 35 km WNW | Laura Cape York Pen.   | SD55/13 | 15 32 | 144 12 | Mar/72 | 472  | GP | <i>Onthophagus gazella</i>       | Not found Mar/81 |
| 40516 | Fairview        | 20 km NW  | Laura Cape York Pen.   | SD55/13 | 15 30 | 144 17 | Dec/71 | 533  | WR | <i>Euoniticellus africanus</i>   | Found Mar/81     |
| 80144 | Recovery Area   | 14 km S   | Leg Macarthur River    | SE53/3  | 16 47 | 135 45 | Dec/78 | 320  | C  | <i>Onthophagus binodis</i>       | Found Mar/81     |
| 80144 | Recovery Area   | 14 km S   | Leg Macarthur River    | SE53/3  | 16 47 | 135 45 | Dec/78 | 320  | C  | <i>Onthophagus gazella</i>       | Found Mar/81     |
| 80144 | Recovery Area   | 14 km S   | Leg Macarthur River    | SE53/3  | 16 47 | 135 45 | Dec/78 | 320  | C  | <i>Onthophagus nigriventris</i>  | Found Mar/81     |
| 50048 | Cootabarlow 3   | 170 km E  | Leigh Creek            | SH54/10 | 30 25 | 140 12 | Dec/78 | 2300 | C  | <i>Hister nomas</i>              | Found Dec/78     |
| 20013 | Yamballa        | 42 km NE  | Lightning Ridge        | SH55/7  | 29 11 | 148 16 | Mar/72 | 500  | GP | <i>Onthophagus gazella</i>       | Found Jul/75     |
| 20014 | Dunmbral Strm.  | 32 km E   | Lightning Ridge        | SH55/7  | 29 26 | 148 15 | Mar/72 | 472  | GP | <i>Onthophagus gazella</i>       | Found May/75     |
| 30002 | Yarra Brae      | 13 km W   | Lillydale              | SJ55/5  | 37 45 | 145 14 | Dec/71 | 533  | T  | <i>Onitis alexis</i>             | Found Jun/75     |
| 20136 | Willow Vale     | 18 km NE  | Lismore                | SH56/3  | 28 43 | 153 26 | Dec/78 | 320  | GP | <i>Onthophagus gazella</i>       | Found Oct/75     |
| 20136 | Willow Vale     | 18 km NE  | Lismore                | SH56/3  | 28 43 | 153 26 | Dec/78 | 320  | GP | <i>Onthophagus gazella</i>       | Found Aug/82     |
| 20136 | Willow Vale     | 18 km NE  | Lismore                | SH56/3  | 28 43 | 153 26 | Dec/78 | 320  | GP | <i>Onthophagus gazella</i>       | Found Aug/82     |
| 20136 | Willow Vale     | 18 km NE  | Lismore                | SH56/3  | 28 43 | 153 26 | Dec/78 | 320  | GP | <i>Onthophagus gazella</i>       | Found Apr/78     |

| Index | Property         | Location   | Town            | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|------------------|------------|-----------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20136 | Willow Vale      | 18 km NE   | Lismore         | SH56/3  | 28 43 | 153 26 | May/74 | 400  | <i>Onitis alexis</i>             | C  | Not found Mar/81 |
| 20136 | Willow Vale      | 18 km NE   | Lismore         | SH56/3  | 28 43 | 153 26 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20434 | Alstonville      | 20 km ESE  | Lismore         | SH56/3  | 28 50 | 153 26 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/81     |
| 20434 | Alstonville      | 20 km ESE  | Lismore         | SH56/3  | 28 50 | 153 26 |        |      | <i>Hister nomas</i>              |    | Found Dec/76     |
| 20646 | Woodburn         | 42 km S    | Lismore         | SH56/07 | 29 05 | 153 20 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/81     |
| 20646 | Woodburn         | 42 km S    | Lismore         | SH56/07 | 29 05 | 153 20 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20646 | Woodburn         | 42 km S    | Lismore         | SH56/07 | 29 05 | 153 20 |        |      | <i>Hister nomas</i>              |    | Found Mar/81     |
| 80346 | Recovery Area    |            | Litchfield Hmsd | SD52/08 | 13 29 | 130 42 |        |      | <i>Onthophagus gazella</i>       |    | Found Jul/83     |
| 80347 | Recovery Area    | 13 km SE   | Litchfield Hmsd | SD52/08 | 13 33 | 130 45 |        |      | <i>Onthophagus sagittarius</i>   |    | Found Jul/83     |
| 80347 | Recovery Area    | 13 km SE   | Litchfield Hmsd | SD52/08 | 13 33 | 130 45 |        |      | <i>Onthophagus gazella</i>       |    | Found            |
| 80347 | Recovery Area    | 13 km SE   | Litchfield Hmsd | SD52/08 | 13 33 | 130 45 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jul/83     |
| 80348 | Recovery Area    | 39 km SE   | Litchfield Hmsd | SD52/08 | 13 37 | 130 50 |        |      | <i>Onthophagus gazella</i>       |    | Found Jul/83     |
| 80348 | Recovery Area    | 39 km SE   | Litchfield Hmsd | SD52/08 | 13 37 | 130 50 |        |      | <i>Onthophagus sagittarius</i>   |    | Found Jul/83     |
| 80348 | Recovery Area    | 39 km SE   | Litchfield Hmsd | SD52/08 | 13 37 | 130 50 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jul/83     |
| 20271 | Liddleton        | 19 km S    | Lithgow         | SI56/5  | 33 35 | 150 6  | Dec/70 | 280  | <i>Hister nomas</i>              |    | Found Jul/83     |
| 70008 | Mt Ireh          | km         | Longford        | SK55/04 | 41 33 | 147 6  | Mar/73 | 500  | <i>Onthophagus gazella</i>       | C  | Not found Mar/80 |
| 70013 | Springbanks      | 5 km W     | Longford        | SK55/04 | 41 34 | 147 7  | Dec/79 | 1700 | <i>Euoniticellus fulvus</i>      | 4  | Not found Jan/82 |
| 70013 | Springbanks      | 5 km W     | Longford        | SK55/04 | 41 34 | 147 7  | Dec/79 | 1105 | <i>Euoniticellus fulvus</i>      | 4  | Not found Jan/82 |
| 40101 | Ag. Research Col | km         | Longreach       | SF55/13 | 23 26 | 144 16 | Feb/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Feb/75     |
| 40118 | Kerfield         | 5 km S     | Longreach       | SF55/13 | 23 28 | 144 14 | Mar/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 40348 | Recovery Area    | 8 km E     | Longreach       | SF55/13 | 23 27 | 144 22 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 40349 | Recovery Area    | 50 km SSW  | Longreach       | SF55/13 | 23 47 | 144 5  |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 40350 | Recovery Area    | 100 km SW  | Longreach       | SG54/4  | 24 2  | 143 48 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 40430 | Recovery Area    | 33 km NW   | Longreach       | SF55/13 | 23 13 | 144 4  |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/76     |
| 40430 | Recovery Area    | 33 km NW   | Longreach       | SF55/13 | 23 13 | 144 4  |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/76     |
| 40479 | Darr River       | 35 km NW   | Longreach       | SF55/13 | 23 13 | 144 4  |        |      | <i>Onthophagus gazella</i>       | GP | Found Aug/76     |
| 40553 | Dairy            | 5 km NW    | Longreach       | SF55/13 | 23 24 | 144 13 |        |      | <i>Onthophagus gazella</i>       | GP | Found Nov/75     |
| 40553 | Dairy            | 5 km NW    | Longreach       | SF55/13 | 23 24 | 144 13 |        |      | <i>Onthophagus gazella</i>       | GP | Found Jan/78     |
| 40553 | Dairy            | 5 km NW    | Longreach       | SF55/13 | 23 24 | 144 13 |        |      | <i>Onitis alexis</i>             | T  | Not found Jan/78 |
| 40564 | Accord           | 13 km SE   | Longreach       | SF55/13 | 23 31 | 144 13 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Jan/78     |
| 40564 | Accord           | 13 km SE   | Longreach       | SF55/13 | 23 31 | 144 51 |        |      | <i>Onitis alexis</i>             | T  | Not found Apr/78 |
| 40564 | Accord           | 13 km SE   | Longreach       | SF55/13 | 23 31 | 144 51 |        |      | <i>Onthophagus gazella</i>       | GP | Found Apr/78     |
| 30039 | Wongan           | 6 km SW    | Longwarry       | SJ55/10 | 38 4  | 145 47 | Feb/80 | 2000 | <i>Euoniticellus intermedius</i> | GP | Found Apr/78     |
| 30040 | Tarago Park      | 4 km NE    | Longwarry       | SJ55/10 | 28 4  | 145 51 |        |      | <i>Onthophagus binodis</i>       | WR | Found Apr/78     |
| 30041 | Belray Jerseys   | 2 km SW    | Longwarry       | SJ55/10 | 38 9  | 145 47 | Feb/80 | 2000 | <i>Onthophagus binodis</i>       | WR | Not found Oct/80 |
| 60057 | Madura Past Co   | 110 km SSW | Loonganna (SA)  | SH52/13 | 31 56 | 126 58 | May/74 | 500  | <i>Onthophagus binodis</i>       | WR | Not found Oct/80 |
| 60057 | Madura Past Co   | 110 km SSW | Loonganna (SA)  | SH52/13 | 31 56 | 126 58 | May/74 | 500  | <i>Euoniticellus intermedius</i> |    | Not found Dec/81 |
| 20403 | Recovery Area    | 10 km E    | Louth           | SH55/9  | 30 31 | 145 12 |        |      | <i>Euoniticellus intermedius</i> |    | Not found Dec/81 |
| 20404 | Recovery Area    | 25 km SW   | Louth           | SH55/9  | 30 46 | 144 55 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 40023 | Baffle Downs     | 3 km S     | Lowmead         | SG56/2  | 24 34 | 151 45 | Dec/72 | 300  | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
|       |                  |            |                 |         |       |        |        |      | <i>Sisyphus spinipes</i>         |    |                  |

|       |                 |          |                   |         |       |        |        |      |                                  |    |                  |
|-------|-----------------|----------|-------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 40023 | Baffle Downs    | 3 km S   | Lowmead           | SG56/2  | 24 34 | 151 45 | Dec/72 | 300  | <i>Onthophagus gazella</i>       | GP | Found Nov/76     |
| 40023 | Baffle Downs    | 3 km S   | Lowmead           | SG56/2  | 24 34 | 151 45 |        |      | <i>Hister calidus</i>            |    | Found Nov/76     |
| 40023 | Baffle Downs    | 3 km S   | Lowmead           | SG56/2  | 24 34 | 151 45 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Apr/74     |
| 40471 | Ocean Downs     | 12 km E  | Lowmead           | SG56/2  | 24 32 | 151 52 |        |      | <i>Onthophagus gazella</i>       |    |                  |
| 50022 | Koreen          | 8 km SE  | Lyndoch           | SF54/9  | 34 39 | 138 47 | Jan/75 | 500  | <i>Euoniticellus intermedius</i> | GP | Found Feb/75     |
| 40070 | (Road Release)  | 10 km NW | Mackay            | SF55/8  | 21 6  | 149 5  | Oct/73 | 500  | <i>Onthophagus gazella</i>       |    | Not found        |
| 40108 | Iluka           | 8 km N   | Mackay            | SF55/8  | 21 3  | 149 8  | Feb/74 | 300  | <i>Sisyphus spinipes</i>         | T  | Found Apr/75     |
| 40148 | (Road Release)  | 29 km SW | Mackay            | SF55/8  | 21 17 | 148 58 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> | GP | Found Feb/75     |
| 40148 | (Road Release)  | 29 km SW | Mackay            | SF55/8  | 21 17 | 148 58 | Mar/75 | 530  | <i>Onitis vanderkelleni</i>      |    | Not found Apr/80 |
| 40189 | Riverside       | 70 km W  | Mackay            | SF55/8  | 21 6  | 148 30 |        | 560  | <i>Onthophagus gazella</i>       | GP | Found Apr/76     |
| 40189 | Riverside       | 70 km W  | Mackay            | SF55/8  | 21 6  | 148 30 | Sep/75 |      | <i>Onthophagus foliaceus</i>     |    | Not found Apr/80 |
| 40189 | Riverside       | 70 km W  | Mackay            | SF55/8  | 21 6  | 148 30 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/76     |
| 40222 | Praguelands     | 16 km S  | Mackay            | SF55/8  | 21 18 | 149 9  | Feb/74 | 200  | <i>Sisyphus spinipes</i>         |    |                  |
| 40222 | Praguelands     | 16 km S  | Mackay            | SF55/8  | 21 18 | 149 9  | Jan/71 | 1000 | <i>Onthophagus gazella</i>       | T  | Found Apr/76     |
| 40222 | Praguelands     | 16 km S  | Mackay            | SF55/8  | 21 18 | 149 9  | Jan/71 | 117  | <i>Copris incertus</i>           |    |                  |
| 40222 | Praguelands     | 16 km S  | Mackay            | SF55/8  | 21 18 | 149 9  |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/76     |
| 40380 | Aminungo        | 24 km NW | Mackay            | SF55/8  | 21 4  | 148 59 |        |      | <i>Onthophagus gazella</i>       | GP | Found Apr/75     |
| 40380 | Aminungo        | 24 km NW | Mackay            | SF55/8  | 21 4  | 148 59 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 40636 | Yalboroo        | 70 km NW | Mackay            | SF55/04 | 20 50 | 148 40 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 40178 | Sherwood        | 64 km W  | Mackay (Crediton) | SF55/8  | 21 12 | 148 34 | Jan/75 | 500  | <i>Onitis vanderkelleni</i>      |    | Not found Apr/80 |
| 40178 | Sherwood        | 64 km W  | Mackay (Crediton) | SF55/8  | 21 12 | 148 34 |        |      | <i>Onthophagus gazella</i>       | GP | Found Apr/76     |
| 40178 | Sherwood        | 64 km W  | Mackay (Crediton) | SF55/8  | 21 12 | 148 34 | May/75 | 500  | <i>Onthophagus nigriveritris</i> |    | Found Apr/76     |
| 40178 | Sherwood        | 64 km W  | Mackay (Crediton) | SF55/8  | 21 12 | 148 34 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/76     |
| 20626 | Recovery Area   | 10 km S  | Macksville        | SH56/10 | 30 47 | 152 53 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/81     |
| 20626 | Recovery Area   | 10 km S  | Macksville        | SH56/10 | 30 47 | 152 53 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/81     |
| 20626 | Recovery Area   | 10 km S  | Macksville        | SH56/10 | 30 47 | 152 53 |        |      | <i>Hister nomas</i>              | C  | Found Feb/81     |
| 20627 | Recovery Area   | 6 km N   | Macksville        | SH56/10 | 30 41 | 152 57 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/81     |
| 20627 | Recovery Area   | 6 km N   | Macksville        | SH56/10 | 30 41 | 152 57 |        |      | <i>Hister nomas</i>              |    | Found Feb/81     |
| 20627 | Recovery Area   | 6 km N   | Macksville        | SH56/10 | 30 41 | 152 57 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Feb/81     |
| 20730 | Recovery Area   | 6 km W   | Macksville        | SH56/10 | 30 44 | 152 52 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20730 | Recovery Area   | 6 km W   | Macksville        | SH56/10 | 30 44 | 152 52 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20730 | Recovery Area   | 6 km W   | Macksville        | SH56/10 | 30 44 | 152 52 |        |      | <i>Hister nomas</i>              | C  | Found Feb/82     |
| 20731 | Pacific Highway | 34 km S  | Macksville        | SH56/10 | 30 51 | 152 55 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20437 | Recovery Area   | 24 km N  | Macleean          | SH56/7  | 29 18 | 153 14 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/82     |
| 20437 | Recovery Area   | 24 km N  | Macleean          | SH56/7  | 29 18 | 153 14 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82     |
| 20437 | Recovery Area   | 24 km N  | Macleean          | SH56/7  | 29 18 | 153 14 |        |      | <i>Hister nomas</i>              | C  | Found Dec/76     |
| 20645 | Recovery Area   | 25 km N  | Macleean          | SH56/07 | 29 22 | 153 15 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/81     |
| 20645 | Recovery Area   | 14 km N  | Macleean          | SH56/07 | 29 22 | 153 15 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20775 | Recovery Area   | 14 km N  | Macleean          | SH56/07 | 29 22 | 153 15 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/82     |
| 20775 | Recovery Area   | 14 km SW | Macleean          | SH56/7  | 29 33 | 153 10 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82     |
| 20775 | Recovery Area   | 14 km SW | Macleean          | SH56/7  | 29 33 | 153 10 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82     |

| Index | Property        | Location | Town         | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|-----------------|----------|--------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20363 | (Road Release)  | 6 km N   | Maitland     | SI56/2  | 32 40 | 151 35 | Feb/77 | 1000 | <i>Onthophagus gazella</i>       | C  | Found Feb/81     |
| 20363 | (Road Release)  | 6 km N   | Maitland     | SI56/2  | 32 40 | 151 35 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/81     |
| 20363 | (Road Release)  | 6 km N   | Maitland     | SI56/2  | 32 40 | 151 35 |        |      | <i>Hister nomas</i>              | C  | Found Feb/77     |
| 20740 | Vacy            | 20 km N  | Maitland     | SI56/2  | 32 32 | 151 32 |        |      | <i>Onthophagus gazella</i>       |    | Found Feb/82     |
| 20740 | Vacy            | 20 km N  | Maitland     | SI56/2  | 32 32 | 151 32 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20782 | Total           | 15 km N  | Maitland     | SI56/2  | 32 38 | 151 35 | Apr/82 | 1000 | <i>Onthophagus nigriventris</i>  |    | Not found        |
| 20010 | Wongabel        | 6 km SE  | Majors Creek | SI55/16 | 35 35 | 149 47 | Feb/72 | 410  | <i>Euoniticellus africanus</i>   | T  | Found Nov/76     |
| 40269 | Caloundra Downs | 13 km SE | Maleny       | SG56/10 | 26 50 | 152 58 | Nov/68 | 5879 | <i>Onthophagus gazella</i>       |    | Found Mar/82     |
| 40269 | Caloundra Downs | 13 km SE | Maleny       | SG56/10 | 26 50 | 152 58 | Mar/76 | 2800 | <i>Sisyphus spinipes</i>         |    | Found Nov/76     |
| 40269 | Caloundra Downs | 13 km SE | Maleny       | SG56/10 | 26 50 | 152 58 | Nov/68 | 1130 | <i>Onthophagus sagittarius</i>   |    | Found Nov/76     |
| 40269 | Caloundra Downs | 13 km SE | Maleny       | SG56/10 | 26 50 | 152 58 | Nov/68 | 454  | <i>Liatongus militaris</i>       |    | Found Nov/76     |
| 40269 | Caloundra Downs | 13 km SE | Maleny       | SG56/10 | 26 50 | 152 58 |        |      | <i>Hister nomas</i>              |    | Found Mar/82     |
| 40269 | Caloundra Downs | 13 km SE | Maleny       | SG56/10 | 26 50 | 152 58 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82     |
| 40269 | Caloundra Downs | 13 km SE | Maleny       | SG56/10 | 26 50 | 152 58 | Nov/68 | 303  | <i>Hister caffer</i>             |    | Not found Mar/82 |
| 40279 | Court Farm      | 3 km NW  | Maleny       | SG56/10 | 26 44 | 152 50 | Feb/76 | 500  | <i>Onitis vanderkelleni</i>      |    |                  |
| 40540 | Booralbinda     | 8 km S   | Maleny       | SG56/10 | 26 47 | 152 48 | Mar/78 | 500  | <i>Sisyphus spinipes</i>         |    |                  |
| 40692 | Recovery Area   | 30 km SW | Maleny       | SG56/10 | 26 50 | 152 46 |        |      | <i>Onthophagus sagittarius</i>   |    | Found Mar/82     |
| 40692 | Recovery Area   | 30 km SW | Maleny       | SG56/10 | 26 50 | 152 46 |        |      | <i>Onthophagus gazella</i>       | T  | Found Mar/82     |
| 60301 | Serpentine G.Co | 12 km E  | Mandurah     | SI50/2  | 32 30 | 115 54 | Nov.81 | 450  | <i>Euoniticellus fulvus</i>      | 1  |                  |
| 60301 | Serpentine G.Co | 12 km E  | Mandurah     | SI50/2  | 32 30 | 115 54 | Nov/81 | 500  | <i>Euoniticellus fulvus</i>      | 1  |                  |
| 60301 | Serpentine G.Co | 12 km E  | Mandurah     | SI50/2  | 32 30 | 115 54 | Oct/81 | 7000 | <i>Euoniticellus fulvus</i>      | 1  |                  |
| 60306 | Recovery Area   | 43 km S  | Mandurah     | SI50/2  | 32 48 | 115 41 |        |      | <i>Onthophagus binodis</i>       | WR | Found Sep/81     |
| 20023 | Dunmore         | 13 km NE | Manilla      | SH56/9  | 30 13 | 150 47 | Nov/75 | 500  | <i>Onthophagus taurus</i>        | 1  |                  |
| 20023 | Dunmore         | 13 km NE | Manilla      | SH56/9  | 30 13 | 150 47 | Dec/74 | 500  | <i>Onthophagus gazella</i>       | C  | Found Dec/75     |
| 20023 | Dunmore         | 13 km NE | Manilla      | SH56/9  | 30 13 | 150 47 | Sep/72 | 513  | <i>Onthophagus binodis</i>       | SR | Not found        |
| 20023 | Dunmore         | 13 km NE | Manilla      | SH56/9  | 30 13 | 150 47 | Dec/74 | 500  | <i>Onitis alexis</i>             | C  | Found Jan/78     |
| 20023 | Dunmore         | 13 km NE | Manilla      | SH56/9  | 30 13 | 150 47 | Dec/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Dec/75     |
| 20023 | Dunmore         | 13 km NE | Manilla      | SH56/9  | 30 13 | 150 47 |        |      | <i>Hister nomas</i>              |    | Found Jan/77     |
| 20023 | Dunmore         | 13 km NE | Manilla      | SH56/9  | 30 13 | 150 47 | Dec/74 | 500  | <i>Euoniticellus africanus</i>   |    | Found Jan/77     |
| 60090 | Wandadale       | 10 km S  | Manjimup     | SI50/10 | 34 21 | 116 10 | Feb/79 | 2000 | <i>Onthophagus binodis</i>       | WR | Not found        |
| 60090 | Wandadale       | 10 km S  | Manjimup     | SI50/10 | 34 21 | 116 18 | Mar/71 | 500  | <i>Hister nomas</i>              |    |                  |
| 60092 | Kelvin Bank     | 45 km E  | Manjimup     | SI50/10 | 34 19 | 116 35 | Sep/76 | 500  | <i>Onthophagus binodis</i>       | WR |                  |
| 60092 | Kelvin Bank     | 45 km E  | Manjimup     | SI50/10 | 34 19 | 116 35 | Apr/73 | 500  | <i>Onthophagus gazella</i>       | C  |                  |
| 60092 | Kelvin Bank     | 45 km E  | Manjimup     | SI50/10 | 34 19 | 116 35 | Mar/71 | 500  | <i>Hister nomas</i>              |    | Not found        |
| 60094 | Austins Farm    | 2 km S   | Manjimup     | SI50/10 | 34 16 | 116 7  | Apr/71 | 535  | <i>Hister nomas</i>              |    | Not found        |
| 60214 | Aranya Farm     | 22 km SE | Manjimup     | SI50/10 | 34 21 | 116 12 | Feb/79 | 1000 | <i>Onthophagus binodis</i>       | WR |                  |
| 60216 | Nelson          | 10 km E  | Manjimup     | SI50/10 | 34 18 | 116 13 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR |                  |
| 60217 | Woodside        | 9 km W   | Manjimup     | SI50/10 | 34 14 | 116 04 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR |                  |
| 60218 | Wren (Mr Bill)  | 12 km NW | Manjimup     | SI50/10 | 34 10 | 116 02 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR |                  |
| 60219 | Stanton         | 11 km N  | Manjimup     | SI50/10 | 34 09 | 116 10 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR |                  |



|       |                   |           |                |         |       |        |        |      |                                  |    |                  |
|-------|-------------------|-----------|----------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 60271 | Fontanini (A.&N.) | 11 km SW  | Manjimup       | SI50/10 | 34 17 | 116 03 | Nov/80 | 800  | <i>Euoniticellus fulvus</i>      | 1  | Not found Apr/80 |
| 60271 | Fontanini (A.&N.) | 11 km SW  | Manjimup       | SI50/10 | 34 17 | 116 03 | Nov/80 | 1100 | <i>Euoniticellus fulvus</i>      | 1  | Found Apr/80     |
| 40247 | Arriga Park       | 16 km SW  | Mareeba        | SH55/5  | 17 4  | 145 19 | Mar/76 | 500  | <i>Onitis vanderkellerti</i>     | T  | Found Apr/80     |
| 40247 | Arriga Park       | 16 km SW  | Mareeba        | SE55/5  | 17 4  | 145 19 | Feb/71 | 1000 | <i>Onthophagus gazella</i>       | T  | Found Apr/80     |
| 40247 | Arriga Park       | 16 km SW  | Mareeba        | SE55/5  | 17 4  | 145 19 |        |      | <i>Onthophagus sagittarius</i>   |    | Found Apr/80     |
| 40247 | Arriga Park       | 16 km SW  | Mareeba        | SE55/5  | 17 4  | 145 19 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/80     |
| 40247 | Arriga Park       | 16 km SW  | Mareeba        | SE55/5  | 17 4  | 145 19 | Feb/71 | 475  | <i>Hister nomas</i>              | GP | Not found Apr/80 |
| 40525 | Recovery Area     | 4 km N    | Mareeba        | SE55/1  | 16 58 | 145 25 |        |      | <i>Onthophagus gazella</i>       |    | Found Dec/76     |
| 40525 | Recovery Area     | 4 km N    | Mareeba        | SE55/1  | 16 58 | 145 25 |        |      | <i>Onthophagus sagittarius</i>   |    | Found Dec/76     |
| 40525 | Recovery Area     | 4 km N    | Mareeba        | SE55/1  | 16 58 | 145 25 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/76     |
| 40527 | The Springs       | 117 km N  | Mareeba        | SE55/1  | 16 26 | 145 19 |        |      | <i>Onthophagus gazella</i>       |    | Found Dec/76     |
| 40527 | The Springs       | 117 km N  | Mareeba        | SE55/1  | 16 26 | 145 19 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/76     |
| 40530 | Recovery Area     | 6 km W    | Mareeba        | SE55/5  | 17 1  | 145 22 |        |      | <i>Onthophagus gazella</i>       |    | Found May/77     |
| 60231 | Leishman (R & Co) | 16 km SE  | Margaret River | SI50/9  | 34 02 | 115 10 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR |                  |
| 60232 | Duncan (KG & Co)  | 17 km S   | Margaret River | SI50/9  | 34 05 | 115 04 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR |                  |
| 60233 | Anslea            | 5 km SE   | Margaret River | SI50/5  | 33 58 | 115 06 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR |                  |
| 60234 | Ridgeview         | 14 km E   | Margaret River | SI50/5  | 33 58 | 115 06 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR |                  |
| 60235 | Rouw (KJ & HG)    | 7 km NW   | Margaret River | SI50/5  | 33 58 | 115 13 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR |                  |
| 60274 | Braebrook         | 10 km SE  | Margaret River | SI50/5  | 33 53 | 115 03 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR |                  |
| 60274 | Braebrook         | 10 km SE  | Margaret River | SI50/5  | 33 53 | 115 03 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR |                  |
| 60276 | Crain (Mr H.L.)   | 19 km S   | Margaret River | SI50/9  | 34 01 | 115 08 | Dec/80 | 1650 | <i>Onthophagus taurus</i>        | 3  |                  |
| 60279 | Recovery Area     | 15 km NE  | Margaret River | SI50/9  | 34 01 | 115 08 | Dec/80 | 1700 | <i>Onthophagus taurus</i>        | 3  |                  |
| 40014 | Lornavale         | 16 km N   | Margaret River | SI50/05 | 33 53 | 115 10 | Jan/81 | 1950 | <i>Euoniticellus fulvus</i>      | 1  | Found Jan/81     |
| 40014 | Lornavale         | 16 km N   | Marlborough    | SF55/12 | 22 43 | 149 54 |        |      | <i>Onthophagus binodis</i>       | WR | Found Mar/76     |
| 40014 | Lornavale         | 16 km N   | Marlborough    | SF55/12 | 22 43 | 149 54 | Nov/73 | 250  | <i>Onitis alexis</i>             | T  |                  |
| 40014 | Lornavale         | 16 km N   | Marlborough    | SF55/12 | 22 43 | 149 54 | Nov/73 | 500  | <i>Onthophagus binodis</i>       | SR |                  |
| 40014 | Lornavale         | 16 km N   | Marlborough    | SF55/12 | 22 43 | 149 54 | Nov/73 | 300  | <i>Sisyphus rubrus</i>           |    |                  |
| 40014 | Lornavale         | 16 km N   | Marlborough    | SF55/12 | 22 43 | 149 54 | May/72 | 320  | <i>Sisyphus spinipes</i>         |    | Found Mar/76     |
| 40014 | Lornavale         | 16 km N   | Marlborough    | SF55/12 | 22 43 | 149 54 | Aug/72 | 300  | <i>Hister calidus</i>            |    |                  |
| 40014 | Lornavale         | 16 km N   | Marlborough    | SF55/12 | 22 43 | 149 54 | Apr/76 | 6000 | <i>Liatongus militaris</i>       |    | Found Mar/76     |
| 40014 | Lornavale         | 16 km N   | Marlborough    | SF55/12 | 22 43 | 149 54 | Dec/73 | 500  | <i>Euoniticellus intermedius</i> |    | Found Mar/76     |
| 40014 | Lornavale         | 16 km N   | Marlborough    | SF55/12 | 22 43 | 149 54 | May/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Mar/76     |
| 40068 | (Road Release)    | 30 km W   | Marlborough    | SG55/12 | 22 53 | 149 39 | Oct/73 | 500  | <i>Onthophagus gazella</i>       | GP |                  |
| 40161 | (Road Release)    | 55 km SE  | Marlborough    | SF56/13 | 23 2  | 150 16 |        |      | <i>Onthophagus gazella</i>       | GP | Found Apr/75     |
| 40161 | (Road Release)    | 55 km SE  | Marlborough    | SF56/13 | 23 2  | 150 16 | Apr/74 | 500  | <i>Onthophagus gazella</i>       | GP | Found Apr/75     |
| 40242 | June              | 78 km WSW | Marlborough    | SF55/12 | 22 56 | 149 8  | Feb/71 | 1000 | <i>Euoniticellus intermedius</i> | T  | Found Feb/75     |
| 40258 | Apis Creek Stn    | 39 km SW  | Marlborough    | SF55/12 | 23 0  | 149 34 | Jan/69 | 7380 | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 40258 | Apis Creek Stn    | 39 km SW  | Marlborough    | SF55/12 | 23 0  | 149 34 | Jan/72 | 275  | <i>Euoniticellus intermedius</i> |    | Found Dec/76     |
| 40258 | Apis Creek Stn    | 39 km SW  | Marlborough    | SF55/12 | 23 0  | 149 34 | Jan/72 | 275  | <i>Hister calidus</i>            |    |                  |
| 40258 | Apis Creek Stn    | 39 km SW  | Marlborough    | SF55/12 | 23 0  | 149 34 | Jan/69 | 3255 | <i>Liatongus militaris</i>       | T  | Found Feb/75     |
| 40291 | Recovery Area     | km        | Marlborough    | SF55/12 | 22 49 | 149 53 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 40419 | Recovery Area     | 9 km ESE  | Marlborough    | SF55/12 | 22 50 | 149 58 |        |      | <i>Onthophagus gazella</i>       | GP | Found Mar/76     |
| 40419 | Recovery Area     | 9 km ESE  | Marlborough    | SF55/12 | 22 50 | 149 58 |        |      | <i>Liatongus militaris</i>       |    | Found Mar/76     |

| Index | Property         | Location  | Town        | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|------------------|-----------|-------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 40419 | Recovery Area    | 9 km ESE  | Martborough | SF55/12 | 22 50 | 149 58 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/76     |
| 40420 | Recovery Area    | 29 km SE  | Martborough | SF56/9  | 22 54 | 150 8  |        |      | <i>Onthophagus gazella</i>       | GP | Found Mar/76     |
| 40420 | Recovery Area    | 29 km SE  | Martborough | SF56/9  | 22 54 | 150 8  |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/76     |
| 40420 | Recovery Area    | 29 km SE  | Martborough | SF56/9  | 22 54 | 150 8  |        |      | <i>Liatongus militaris</i>       | C  | Found Mar/76     |
| 40599 | Wandilla Station | km        | Martborough | SF55/12 | 22 49 | 149 53 | Feb/80 | 2000 | <i>Onthophagus gazella</i>       |    | Found Feb/80     |
| 40599 | Wandilla Station | km        | Martborough | SF55/12 | 22 49 | 149 53 |        |      | <i>Sisyphus rubrus</i>           |    | Found Feb/80     |
| 20032 | Wendela          | 16 km NNE | Marulan     | SF56/9  | 34 36 | 150 05 | Oct/72 | 316  | <i>Euoniticellus intermedius</i> | C  | Not found        |
| 20274 | Johanniefelds    | 4 km NNW  | Marulan     | SF55/12 | 34 39 | 149 58 | Sep/75 | 500  | <i>Onitis alexis</i>             | I  | Not found Apr/79 |
| 80238 | Arnhem Hwy       |           | Mary River  | SD52/4  | 12 47 | 131 40 |        |      | <i>Onthophagus taurus</i>        | GP | Found May/79     |
| 80238 | Arnhem Hwy       |           | Mary River  | SD52/4  | 12 47 | 131 40 |        |      | <i>Euoniticellus intermedius</i> |    | Found May/79     |
| 40021 | Boonooroo        | 20 km SE  | Maryborough | SG56/6  | 25 40 | 152 54 | Oct/72 | 300  | <i>Sisyphus spinipes</i>         |    | Found Nov/76     |
| 40021 | Boonooroo        | 20 km SE  | Maryborough | SH56/6  | 25 40 | 152 54 |        |      | <i>Onthophagus gazella</i>       | GP | Found Nov/76     |
| 40021 | Boonooroo        | 20 km SE  | Maryborough | SG56/6  | 25 40 | 152 54 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 40021 | Boonooroo        | 20 km SE  | Maryborough | SG56/6  | 25 40 | 152 54 | Oct/72 | 300  | <i>Hister calidus</i>            |    | Not found        |
| 40190 | Curringa         | 8 km SE   | Maryborough | SG56/6  | 25 35 | 152 47 | Apr/75 | 500  | <i>Onitis alexis</i>             | T  | Not found        |
| 40191 | Tolga            | 13 km W   | Maryborough | SG56/6  | 25 33 | 152 30 | Apr/75 | 500  | <i>Onitis alexis</i>             | C  | Not found        |
| 40200 | Matheson (Mr D.) | 5 km W    | Maryborough | SG56/6  | 25 35 | 152 40 | Feb/70 | 1000 | <i>Onthophagus gazella</i>       | T  | Not found        |
| 40200 | Matheson (Mr D.) | 5 km W    | Maryborough | SG56/6  | 25 35 | 152 40 | Jan/71 | 1000 | <i>Onthophagus gazella</i>       | T  | Not found        |
| 40451 | Recovery Area    | 43 km SSE | Maryborough | SG56/6  | 25 50 | 152 37 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 40492 | Bangalla         | 10 km SE  | Maryborough | SG56/6  | 25 38 | 152 37 | Mar/77 | 800  | <i>Sisyphus spinipes</i>         |    | Found Nov/79     |
| 40492 | Bangalla         | 10 km SE  | Maryborough | SG56/6  | 25 38 | 152 37 | Mar/77 | 300  | <i>Onthophagus gazella</i>       | GP | Found Nov/79     |
| 40492 | Bangalla         | 10 km SE  | Maryborough | SG56/6  | 25 38 | 152 37 | Mar/77 | 100  | <i>Onthophagus sagittarius</i>   |    | Not found Nov/79 |
| 40492 | Bangalla         | 10 km SE  | Maryborough | SG56/6  | 25 38 | 152 37 | Mar/77 | 125  | <i>Euoniticellus intermedius</i> |    | Found Nov/79     |
| 40492 | Bangalla         | 10 km SE  | Maryborough | SG56/6  | 25 38 | 152 37 | Mar/77 | 600  | <i>Liatongus militaris</i>       |    | Not found Nov/79 |
| 40619 | Pialba Road      | 25 km NE  | Maryborough | SG56/06 | 25 21 | 152 46 |        |      | <i>Onthophagus gazella</i>       | T  | Found Feb/82     |
| 40619 | Pialba Road      | 25 km NE  | Maryborough | SG56/06 | 25 21 | 152 46 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 40620 | Recovery Area    | 26 km SW  | Maryborough | SG56/06 | 25 47 | 152 36 | Mar/76 | 500  | <i>Onthophagus gazella</i>       | T  | Found Feb/82     |
| 80017 | Mountain Valley  | 128 km NE | Mataranka   | SD53/10 | 14 5  | 133 49 |        |      | <i>Onitis alexis</i>             | T  | Found Jul/77     |
| 80017 | Mountain Valley  | 128 km NE | Mataranka   | SD53/10 | 14 5  | 133 49 | Mar/71 | 240  | <i>Onthophagus gazella</i>       | T  | Found Jun/82     |
| 80017 | Mountain Valley  | 128 km NE | Mataranka   | SD53/10 | 14 5  | 133 49 | Sep/73 | 200  | <i>Onthophagus gazella</i>       | GP | Found Jun/75     |
| 80017 | Mountain Valley  | 128 km NE | Mataranka   | SD53/10 | 14 5  | 133 49 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/76     |
| 80018 | Moroak Station   | 70 km ENE | Mataranka   | SD53/10 | 14 49 | 133 42 | Sep/73 | 200  | <i>Onthophagus gazella</i>       | GP | Found Dec/76     |
| 80018 | Moroak Station   | 70 km ENE | Mataranka   | SD53/10 | 14 49 | 133 42 | Dec/71 | 450  | <i>Onthophagus gazella</i>       | T  | Found Dec/76     |
| 80018 | Moroak Station   | 70 km ENE | Mataranka   | SD53/10 | 14 49 | 133 42 | Nov/73 | 400  | <i>Onitis alexis</i>             | T  | Found Dec/76     |
| 80018 | Mordak Station   | 70 km ENE | Mataranka   | SD53/10 | 14 49 | 133 42 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Jan/73     |
| 80087 | Elsley           | 30 km E   | Mataranka   | SD53/9  | 14 58 | 133 20 | Jan/70 | 1925 | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 80087 | Elsley           | 30 km E   | Mataranka   | SD53/9  | 14 58 | 133 20 | Jan/70 | 1464 | <i>Liatongus militaris</i>       |    | Found Feb/80     |
| 80087 | Elsley           | 30 km E   | Mataranka   | SD53/9  | 14 58 | 133 20 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/80     |
| 80099 | Recovery Area    | 8 km S    | Mataranka   | SD53/13 | 15 0  | 133 4  |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |

|       |                 |            |                |         |       |        |        |     |                                  |    |                   |
|-------|-----------------|------------|----------------|---------|-------|--------|--------|-----|----------------------------------|----|-------------------|
| 80204 | Mainoru         | 148 km NE  | Mataranka      | SD53/10 | 14 03 | 134 06 | Jan/71 | 300 | <i>Onthophagus gazella</i>       | T  | Found Apr/82      |
| 80205 | Roper Valley    | 103 km E   | Mataranka      | SD53/10 | 14 56 | 134 00 | Jan/72 | 300 | <i>Onthophagus gazella</i>       | T  | Found Apr/82      |
| 80331 | Mataranka Hmst. | 10 km E    | Mataranka      | SD53/09 | 14 55 | 133 08 |        |     | <i>Euoniticellus intermedius</i> | T  |                   |
| 80334 | Recovery Area   | 46 km S    | Mataranka      | SD53/09 | 15 14 | 133 06 |        |     | <i>Onthophagus gazella</i>       | T  |                   |
| 50004 | Bower Park      | 3 km SW    | Meadows        | SI54/13 | 35 12 | 138 43 | Sep/72 | 500 | <i>Onthophagus gazella</i>       | C  |                   |
| 50085 | Wantadilla      | 3 km N     | Meadows        | SI54/13 | 35 11 | 138 45 | Jan/83 | 160 | <i>Onthophagus binodis</i>       |    |                   |
| 50085 | Wantadilla      | 3 km N     | Meadows        | SI54/13 | 35 11 | 138 45 | Feb/83 | 135 | <i>Onthophagus binodis</i>       |    |                   |
| 50085 | Wantadilla      | 3 km N     | Meadows        | SI54/13 | 35 11 | 138 45 | Feb/83 | 720 | <i>Onthophagus binodis</i>       | I  |                   |
| 50085 | Wantadilla      | 3 km N     | Meadows        | SI54/13 | 35 11 | 138 45 | Jan/83 | 830 | <i>Onthophagus taurus</i>        | I  |                   |
| 60029 | Koonmarra       | 80 km NW   | Meekatharra    | SG50/7  | 25 17 | 117 47 | Apr/74 | 500 | <i>Euoniticellus intermedius</i> |    |                   |
| 60029 | Koonmarra       | 80 km NW   | Meekatharra    | SG50/11 | 26 17 | 117 47 | May/73 | 500 | <i>Euoniticellus intermedius</i> |    |                   |
| 60030 | Yarlarweelor    | 125 km NNW | Meekatharra    | SG50/7  | 25 35 | 117 59 | May/73 | 500 | <i>Euoniticellus intermedius</i> |    |                   |
| 60030 | Yarlarweelor    | 125 km NNW | Meekatharra    | SG50/7  | 25 35 | 117 59 | Apr/74 | 500 | <i>Euoniticellus intermedius</i> |    |                   |
| 60049 | Sherwood Stn    | 5 km NE    | Meekatharra    | SG50/12 | 26 34 | 118 32 | Dec/73 | 550 | <i>Euoniticellus intermedius</i> |    |                   |
| 60058 | Neds Creek Stn  | 170 km NE  | Meekatharra    | SG50/8  | 25 29 | 119 39 | Apr/74 | 500 | <i>Euoniticellus intermedius</i> |    | Found Feb/75      |
| 60059 | Mt Gould Stn    | 142 km NW  | Meekatharra    | SG50/7  | 25 48 | 117 23 | May/74 | 500 | <i>Euoniticellus intermedius</i> |    |                   |
| 60059 | Mt Gould Stn    | 142 km NW  | Meekatharra    | SG50/7  | 25 48 | 117 23 | Apr/74 | 500 | <i>Euoniticellus intermedius</i> |    |                   |
| 60060 | Belele Stn      | 55 km NW   | Meekatharra    | SG50/11 | 26 22 | 118 1  | May/74 | 500 | <i>Euoniticellus intermedius</i> |    |                   |
| 60060 | Belele Stn      | 55 km NW   | Meekatharra    | SG50/11 | 26 22 | 118 1  | May/74 | 500 | <i>Euoniticellus intermedius</i> |    |                   |
| 60061 | Moorarie Stn    | 117 km NW  | Meekatharra    | SG50/7  | 25 55 | 117 36 | May/74 | 500 | <i>Euoniticellus intermedius</i> |    |                   |
| 60123 | Mingah Springs  | 185 km NNE | Meekatharra    | SG50/4  | 24 57 | 118 43 |        |     | <i>Euoniticellus intermedius</i> |    | Found Nov/76      |
| 50045 | Hawkes Nest WL. | 21 km SW   | Melbourne Hill | SG53/14 | 27 30 | 134 13 |        |     | <i>Euoniticellus intermedius</i> |    | Found Nov/77      |
| 20200 | (Road Release)  | 4 km W     | Mendooran      | SH55/16 | 31 51 | 149 04 | Feb/75 | 740 | <i>Euoniticellus intermedius</i> |    |                   |
| 20200 | (Road Release)  | 4 km W     | Mendooran      | SH55/16 | 31 51 | 149 04 | Feb/75 | 260 | <i>Euoniticellus intermedius</i> |    |                   |
| 20201 | (Road Release)  | 28 km W    | Mendooran      | SH55/15 | 31 48 | 148 50 |        |     | <i>Euoniticellus africanus</i>   | C  | Found Feb/82      |
| 20201 | (Road Release)  | 28 km W    | Mendooran      | SH55/15 | 31 48 | 148 50 |        |     | <i>Onthophagus gazella</i>       |    | Found Feb/82      |
| 20201 | (Road Release)  | 28 km W    | Mendooran      | SH55/15 | 31 48 | 148 50 | Feb/75 | 740 | <i>Euoniticellus intermedius</i> | C  | Found Feb/82      |
| 20201 | (Road Release)  | 28 km W    | Mendooran      | SH55/15 | 31 48 | 148 50 | Feb/75 | 260 | <i>Onitis alexis</i>             | C  | Found Feb/82      |
| 20201 | (Road Release)  | 28 km W    | Mendooran      | SH55/15 | 31 48 | 148 50 | Feb/75 | 260 | <i>Euoniticellus africanus</i>   |    | Nout found Oct/80 |
| 50024 | Belacre         | 26 km NE   | Meningie       | SI54/14 | 35 55 | 139 35 | Jan/75 | 500 | <i>Euoniticellus intermedius</i> |    |                   |
| 50026 | Currawong       | 61 km S    | Meningie       | SI54/2  | 36 7  | 139 45 | Feb/75 | 500 | <i>Euoniticellus africanus</i>   |    |                   |
| 50026 | Currawong       | 61 km S    | Meningie       | SI54/2  | 36 7  | 139 45 | Feb/75 | 500 | <i>Euoniticellus africanus</i>   |    |                   |
| 50026 | Currawong       | 61 km S    | Meningie       | SI54/2  | 36 7  | 139 45 | Feb/75 | 500 | <i>Euoniticellus intermedius</i> |    |                   |
| 20192 | (Road Release)  | 14 km E    | Merrriwa       | SI56/1  | 32 07 | 150 17 | Feb/75 | 260 | <i>Onitis alexis</i>             | C  | Found Feb/82      |
| 20192 | (Road Release)  | 14 km E    | Merrriwa       | SI56/1  | 32 06 | 150 30 | Feb/75 | 740 | <i>Euoniticellus africanus</i>   |    |                   |
| 20193 | (Road Release)  | 8 km W     | Merrriwa       | SI56/1  | 32 07 | 150 17 | Feb/75 | 740 | <i>Euoniticellus intermedius</i> | C  | Found Feb/82      |
| 20193 | (Road Release)  | 8 km W     | Merrriwa       | SI56/1  | 32 07 | 150 17 | Feb-75 | 260 | <i>Onthophagus gazella</i>       |    | Found Feb/82      |
| 20193 | (Road Release)  | 8 km W     | Merrriwa       | SI56/1  | 32 07 | 150 17 | Feb-75 | 260 | <i>Euoniticellus intermedius</i> |    | Found Feb/82      |
| 20194 | (Road Release)  | 30 km W    | Merrriwa       | SI56/1  | 32 04 | 150 06 | Feb/75 | 260 | <i>Euoniticellus africanus</i>   |    | Found Feb/82      |
| 20194 | (Road Release)  | 30 km W    | Merrriwa       | SI56/1  | 32 04 | 150 06 | Feb/75 | 740 | <i>Euoniticellus intermedius</i> |    | Found Feb/82      |
| 20752 | Bow Creek       | 17 km W    | Merrriwa       | SI56/1  | 32 05 | 150 11 |        |     | <i>Euoniticellus intermedius</i> |    | Found Feb/82      |
| 20662 | Recovery Area   | 5 km N     | Merrriwagga    | SI55/06 | 33 47 | 145 37 |        |     | <i>Euoniticellus intermedius</i> |    | Found Mar/81      |
| 60324 | Recovery Area   | 11 km N    | Midland        | SH50/14 | 31 46 | 116 01 |        |     | <i>Onthophagus binodis</i>       | WR | Found Jan/82      |

| Index | Property       | Location  | Town             | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|----------------|-----------|------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 60324 | Recovery Area  | 11 km N   | Midland          | SH50/14 | 31 46 | 116 01 |        |      | <i>Onitis alexis</i>             | C  | Found Jan/82     |
| 60324 | Recovery Area  | 11 km N   | Midland          | SH50/14 | 31 46 | 116 01 |        |      | <i>Euoniticeilus intermedius</i> |    | Found Jan/82     |
| 60324 | Recovery Area  | 11 km N   | Midland          | SH50/14 | 31 46 | 116 01 |        |      | <i>Euoniticeilus pallipes</i>    | 3  | Found Jan/82     |
| 60326 | Recovery Area  | 14 km NE  | Midland          | SH50/14 | 31 49 | 116 8  |        |      | <i>Onitis alexis</i>             | C  | Found Mar/82     |
| 60326 | Recovery Area  | 14 km NE  | Midland          | SH50/14 | 31 49 | 116 8  |        |      | <i>Onthopagus binodis</i>        | WR | Found Mar/82     |
| 60326 | Recovery Area  | 14 km NE  | Midland          | SH50/14 | 31 49 | 116 8  |        |      | <i>Euoniticeilus intermedius</i> |    | Found Mar/82     |
| 20307 | (Road Release) | 9 km SE   | Mildura          | SI54/11 | 34 13 | 142 15 | Feb/76 | 50   | <i>Euoniticeilus africanus</i>   |    |                  |
| 20307 | (Road Release) | 9 km SE   | Mildura          | SI54/11 | 34 13 | 142 15 | Feb/76 | 500  | <i>Euoniticeilus intermedius</i> |    |                  |
| 20308 | (Road Release) | 44 km SE  | Mildura          | SI54/11 | 34 24 | 142 27 | Feb/76 | 500  | <i>Euoniticeilus intermedius</i> |    | Not found        |
| 20308 | (Road Release) | 44 km SE  | Mildura          | SI54/11 | 34 24 | 142 27 | Feb/76 | 50   | <i>Euoniticeilus africanus</i>   |    | Not found        |
| 20671 | Recovery Area  | km        | Mildura          | SI54/11 | 34 11 | 142 09 |        |      | <i>Euoniticeilus intermedius</i> |    | Found Mar/81     |
| 40572 | Recovery Area  | 10 km W   | Miles            | SG56/9  | 26 40 | 150 06 |        |      | <i>Euoniticeilus intermedius</i> |    | Found Jun/79     |
| 40680 | Recovery Area  | 20 km W   | Miles            | SG56/9  | 26 38 | 150 0  |        |      | <i>Onthopagus gazella</i>        | T  | Found Mar/82     |
| 40682 | Recovery Area  | 17 km E   | Miles            | SG56/9  | 26 40 | 150 22 |        |      | <i>Onthopagus gazella</i>        | C  | Found Mar/82     |
| 40682 | Recovery Area  | 17 km E   | Miles            | SG56/9  | 26 40 | 150 22 |        |      | <i>Onitis alexis</i>             | C  | Found Mar/82     |
| 40184 | Strathleigh    | 14 km S   | Millmerran       | SG56/13 | 27 57 | 151 17 | Feb/75 | 500  | <i>Euoniticeilus intermedius</i> |    |                  |
| 20016 | Memosa Dairy   | 3 km N    | Milton           | SI56/13 | 35 18 | 150 25 | Aug/72 | 516  | <i>Onthopagus binodis</i>        | SR | Found Apr/79     |
| 20016 | Memosa Dairy   | 3 km N    | Milton           | SI56/13 | 35 18 | 150 25 | Feb/78 | 1100 | <i>Onthopagus gazella</i>        | ER | Not found Jul/79 |
| 20016 | Memosa Dairy   | 3 km N    | Milton           | SI56/13 | 35 18 | 150 25 | Jan/69 | 680  | <i>Hister nomas</i>              |    | Found Mar/77     |
| 20016 | Memosa Dairy   | 3 km N    | Milton           | SI56/13 | 35 18 | 150 25 | Nov/68 | 507  | <i>Hister nomas</i>              |    | Found Mar/72     |
| 20037 | Fiddlers Green | 2 km SW   | Milton           | SI56/13 | 35 20 | 150 25 | Oct/72 | 500  | <i>Onthopagus gazella</i>        | C  | Not found Apr/79 |
| 20037 | Fiddlers Green | 2 km SW   | Milton           | SI56/13 | 35 20 | 150 25 | Dec/73 | 550  | <i>Euoniticeilus africanus</i>   |    | Not found Apr/79 |
| 20472 | Burrill Lake   | 10 km S   | Milton           | SI56/13 | 35 23 | 150 27 |        |      | <i>Hister nomas</i>              |    | Found Mar/77     |
| 20473 | Wandandian     | 30 km NNE | Milton           | SI56/13 | 35 5  | 150 31 |        |      | <i>Hister nomas</i>              |    | Found Mar/77     |
| 20572 | Broad View     | 3 km N    | Milton           | SI56/13 | 35 18 | 150 25 | Jan/80 | 316  | <i>Onitis alexis</i>             | C  |                  |
| 20788 | Narrawallee Ck | 7 km NNW  | Milton           | SI56/13 | 35 15 | 150 24 | Dec/80 | 1500 | <i>Onitis alexis</i>             | C  |                  |
| 20789 | Croobyar Creek | 3 km NW   | Milton           | SI56/13 | 35 17 | 150 24 | Dec/80 | 1500 | <i>Onitis alexis</i>             | C  |                  |
| 20790 | Spring Hill    | 5 km W    | Milton           | SI56/13 | 35 19 | 150 23 | Dec/80 | 1500 | <i>Onitis alexis</i>             | C  |                  |
| 20791 | Quarry         | 4 km SW   | Milton           | SI56/13 | 35 21 | 150 24 | Dec/80 | 1500 | <i>Onitis alexis</i>             | C  |                  |
| 60033 | The Grange     | 35 km W   | Mingenew         | SH50/5  | 29 14 | 115 2  | Aug/73 | 500  | <i>Onthopagus binodis</i>        | WR | Not found        |
| 60154 | Recovery Area  | 28 km N   | Mingenew         | SH50/5  | 28 55 | 115 26 |        |      | <i>Onitis alexis</i>             | C  | Found May/78     |
| 60155 | Recovery Area  | 28 km S   | Mingenew         | SH50/5  | 29 25 | 115 29 |        |      | <i>Onitis alexis</i>             | C  | Found May/78     |
| 60172 | Recovery Area  | 19 km NW  | Mingenew         | SH50/5  | 29 05 | 115 21 |        |      | <i>Onitis alexis</i>             | C  | Found Dec/78     |
| 60164 | Recovery Area  | 40 km E   | Mingenew (Irwin) | SH50/5  | 29 13 | 115 05 |        |      | <i>Onitis alexis</i>             | C  | Found Dec/78     |
| 50036 | Tcharkuldu     | 3 km E    | Minnipa          | SI53/3  | 32 53 | 135 8  | May/78 | 650  | <i>Onthopagus taurus</i>         | 2  | Not found Oct/80 |
| 50036 | Tcharkuldu     | 3 km E    | Minnipa          | SI53/3  | 32 53 | 135 8  | Apr/78 | 530  | <i>Onthopagus taurus</i>         | 2  | Not found Oct/80 |
| 50036 | Tcharkuldu     | 3 km E    | Minnipa          | SI53/3  | 32 53 | 135 8  | Dec/77 | 1200 | <i>Onthopagus taurus</i>         | 2  | Not found Oct/80 |
| 40066 | (Road Release) | km        | Miriam Vale      | SG56/2  | 24 21 | 151 33 | Oct/73 | 600  | <i>Onthopagus gazella</i>        | GP | Found Nov/79     |
| 40066 | (Road Release) | km        | Miriam Vale      | SG56/2  | 24 21 | 151 33 |        |      | <i>Onthopagus gazella</i>        | T  | Found Mar/72     |
| 40066 | (Road Release) | km        | Miriam Vale      | SG56/2  | 24 21 | 151 33 |        |      | <i>Liatongus militaris</i>       |    | Found Nov/79     |

|       |                  |           |                    |         |       |        |        |      |                                  |    |                  |
|-------|------------------|-----------|--------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 40066 | (Road Release)   | km        | Miriam Vale        | SG56/2  | 24 21 | 151 33 | May/71 | 770  | <i>Euoniticellus intermedius</i> | T  | Found Nov/79     |
| 40265 | Captains C. etc. | 6 km SE   | Miriam Vale        | SG56/2  | 24 22 | 151 36 | May/71 | 399  | <i>Onthophagus gazella</i>       | T  | Not found        |
| 40265 | Captains C. etc. | 6 km SE   | Miriam Vale        | SG56/2  | 24 22 | 151 36 | May/71 | 399  | <i>Copris incertus</i>           | T  | Found Sep/77     |
| 40275 | Lowmead          | 5 km E    | Miriam Vale        | SG56/2  | 24 20 | 151 35 | Nov/75 | 500  | <i>Onitis alexis</i>             | T  | Found Feb/82     |
| 40544 | Round Hill Head  | 75 km NE  | Miriam Vale        | SG56/2  | 24 10 | 151 53 |        |      | <i>Onthophagus gazella</i>       | T  | Found Feb/82     |
| 40623 | Recovery Area    | 15 km N   | Miriam Vale        | SG56/01 | 24 11 | 151 28 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Jul/83     |
| 40623 | Recovery Area    | 15 km N   | Miriam Vale        | SG56/01 | 24 11 | 151 28 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Jul/83     |
| 80355 | Port Keats       | 35 km E   | Mission Settlement | SD52/11 | 14 16 | 129 10 |        |      | <i>Liatongus militaris</i>       |    | Found Jul/83     |
| 80355 | Port Keats       | 35 km E   | Mission Settlement | SD52/11 | 14 16 | 129 10 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jul/83     |
| 80356 | Port Keats       | 7 km E    | Mission Settlement | SD52/11 | 14 15 | 129 02 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jul/83     |
| 80356 | Port Keats       | 7 km E    | Mission Settlement | SD52/11 | 14 15 | 129 02 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jul/83     |
| 80357 | Port Keats       | 29 km E   | Mission Settlement | SD52/11 | 14 15 | 129 05 |        |      | <i>Onthophagus gazella</i>       |    | Found Jul/83     |
| 80357 | Port Keats       | 29 km E   | Mission Settlement | SD52/11 | 14 15 | 129 05 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jul/83     |
| 40336 | Recovery Area    | 40 km ESE | Mitchell           | SG55/11 | 26 33 | 148 15 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 40337 | Recovery Area    | 35 km W   | Mitchell           | SG55/11 | 26 28 | 147 39 |        |      | <i>Onthophagus gazella</i>       | T  | Found Mar/82     |
| 40337 | Recovery Area    | 35 km W   | Mitchell           | SG55/11 | 26 28 | 147 39 |        |      | <i>Onitis alexis</i>             | T  | Found Mar/82     |
| 40337 | Recovery Area    | 35 km W   | Mitchell           | SG55/11 | 26 28 | 147 39 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Aug/74     |
| 40676 | Recovery Area    | 9 km W    | Mitchell           | SG55/11 | 26 29 | 147 51 |        |      | <i>Onthophagus gazella</i>       | T  | Found Mar/82     |
| 40676 | Recovery Area    | 9 km W    | Mitchell           | SG55/11 | 26 29 | 147 51 |        |      | <i>Onitis alexis</i>             | T  | Found Mar/82     |
| 40676 | Recovery Area    | 9 km W    | Mitchell           | SG55/11 | 26 29 | 147 51 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Mar/82     |
| 20338 | (Road Release)   | 16 km N   | Molong (Dubbo Rd)  | SI55/4  | 32 58 | 148 55 | Feb/76 | 500  | <i>Euoniticellus africanus</i>   | C  | Not found Mar/80 |
| 70001 | Woolnorth        | km        | Montagu            | SK55/01 | 40 45 | 144 45 | Sep/72 | 500  | <i>Onthophagus gazella</i>       | C  | Found Feb/80     |
| 80250 | Cullenjacky Bore |           | Montejinni Station | SE52/04 | 16 45 | 131 39 |        |      | <i>Onthophagus gazella</i>       | T  | Found Feb/80     |
| 80250 | Cullenjacky Bore |           | Montejinni Station | SE52/04 | 16 45 | 131 39 |        |      | <i>Onthophagus gazella</i>       | GP | Found Aug/82     |
| 80342 | Pussycat Bore    |           | Montejinni Station | SE52/4  | 16 35 | 131 55 |        |      | <i>Onthophagus gazella</i>       | T  | Found Aug/82     |
| 80342 | Pussycat Bore    |           | Montejinni Station | SE52/4  | 16 35 | 131 55 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Nov/76     |
| 40064 | (Road Release)   | 35 km S   | Monto              | SG56/6  | 25 6  | 151 14 | Oct/73 | 500  | <i>Onthophagus gazella</i>       | C  | Found Jun/75     |
| 40064 | (Road Release)   | 35 km S   | Monto              | SG56/6  | 25 6  | 151 14 | Oct/73 | 500  | <i>Euoniticellus intermedius</i> | C  | Found Jun/75     |
| 40065 | (Road Release)   | 20 km NE  | Monto              | SG56/2  | 24 42 | 151 18 | Oct/73 | 500  | <i>Onthophagus gazella</i>       | GP | Found Jun/75     |
| 40398 | Recovery Area    | 23 kmn NW | Monto              | SG56/1  | 24 48 | 150 57 |        |      | <i>Onthophagus gazella</i>       | GP | Found Jun/75     |
| 40398 | Recovery Area    | 23 km NW  | Monto              | SG56/1  | 24 48 | 150 57 |        |      | <i>Euoniticellus intermedius</i> | GP | Found Jun/75     |
| 40399 | Recovery Area    | km        | Monto              | SG56/1  | 24 50 | 151 8  | Feb/80 | 2000 | <i>Onthophagus gazella</i>       | GP | Not found Jan/82 |
| 40399 | Recovery Area    | km        | Monto              | SG56/1  | 24 50 | 151 8  | Feb/80 | 2000 | <i>Sisyphus rubrus</i>           | GP | Found Jun/75     |
| 40399 | Recovery Area    | km        | Monto              | SG56/1  | 24 50 | 151 8  | Feb/80 | 2000 | <i>Euoniticellus intermedius</i> | GP | Found Jun/75     |
| 40401 | Mt Perry Road    | 39 km SSE | Monto              | SG56/5  | 25 8  | 151 16 |        |      | <i>Euoniticellus intermedius</i> | GP | Found Jun/75     |
| 40402 | Mt Perry Road    | 54 km SSE | Monto              | SG56/5  | 25 9  | 151 22 |        |      | <i>Euoniticellus intermedius</i> | GP | Found Jun/75     |
| 40449 | Recovery Area    | 40 km WNW | Monto              | SG56/1  | 24 46 | 150 52 |        |      | <i>Onthophagus gazella</i>       | GP | Found Nov/76     |
| 40449 | Recovery Area    | 40 km WNW | Monto              | SG56/1  | 24 46 | 150 52 |        |      | <i>Euoniticellus intermedius</i> | GP | Found Nov/76     |
| 20185 | (Road Release)   | 35 km NE  | Moonan Flat        | SH56/14 | 31 43 | 151 26 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 20185 | (Road Release)   | 35 km NE  | Moonan Flat        | SH56/14 | 31 43 | 151 26 | Feb-75 | 260  | <i>Euoniticellus africanus</i>   |    | Found Nov/76     |
| 20186 | (Road Release)   | 16 km NE  | Moonan Flat        | SH56/13 | 31 48 | 151 21 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 20186 | (Road Release)   | 16 km NE  | Moonan Flat        | SH56/13 | 31 48 | 151 21 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    | Found Nov/76     |

| Index | Property          | Location  | Town         | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|-------------------|-----------|--------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20187 | (Road Release)    | 3 km W    | Moorean Flat | SH56/13 | 31 55 | 151 12 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |                  |
| 20187 | (Road release)    | 3 km W    | Moorean Flat | SH56/13 | 31 55 | 151 12 | Feb-75 | 260  | <i>Euoniticellus africanus</i>   |    |                  |
| 20188 | (Road Release)    | 21 km W   | Moorean Flat | SH56/13 | 31 59 | 151 7  | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |                  |
| 20188 | (Road Release)    | 21 km W   | Moorean Flat | SH56/13 | 31 59 | 151 7  | Feb-75 | 260  | <i>Euoniticellus africanus</i>   | C  | Not found        |
| 60009 | Yathroo           | 32 km SW  | Moora        | SH50/10 | 30 46 | 115 42 | Sep/72 | 606  | <i>Onthophagus gazella</i>       | WR | Found Feb/80     |
| 60009 | Yathroo           | 32 km SW  | Moora        | SH50/10 | 30 46 | 115 42 | Oct/76 | 1000 | <i>Onthophagus binodis</i>       | 3  |                  |
| 60009 | Yathroo           | 32 km SW  | Moora        | SH50/10 | 30 46 | 115 42 | Oct/80 | 800  | <i>Onthophagus taurus</i>        | 2  | Found Feb/80     |
| 60009 | Yathroo           | 32 km SW  | Moora        | SH50/10 | 30 46 | 115 42 | May/82 | 500  | <i>Onthophagus opacicollis</i>   |    |                  |
| 60009 | Yathroo           | 32 km SW  | Moora        | SH50/10 | 30 46 | 115 42 | Jan/79 | 750  | <i>Onthophagus taurus</i>        | 2  | Found Feb/80     |
| 60009 | Yathroo           | 32 km SW  | Moora        | SH50/10 | 30 46 | 115 42 | Apr/82 | 500  | <i>Onthophagus opacicollis</i>   |    |                  |
| 60009 | Yathroo           | 32 km SW  | Moora        | SH50/10 | 30 46 | 115 42 | Aug/73 | 500  | <i>Onthophagus binodis</i>       | WR | Found Feb/80     |
| 60009 | Yathroo           | 32 km SW  | Moora        | SH50/10 | 30 46 | 115 42 | May/73 | 500  | <i>Euoniticellus intermedius</i> |    | Found Feb/79     |
| 60009 | Yathroo           | 32 km SW  | Moora        | SH50/10 | 30 46 | 115 42 | Dec/78 | 350  | <i>Onitis alexis</i>             | C  | Found Feb/80     |
| 60009 | Yathroo           | 32 km SW  | Moora        | SH50/10 | 30 46 | 115 42 | Nov/79 | 2000 | <i>Onitis alexis</i>             | C  | Found Feb/80     |
| 60009 | Yathroo           | 32 km SW  | Moora        | SH50/10 | 30 46 | 115 42 | Dec/78 | 600  | <i>Onitis alexis</i>             | C  | Found Feb/80     |
| 60066 | Wandena           | 15 km ESE | Moora        | SH50/10 | 30 41 | 116 8  | Jan/75 | 500  | <i>Euoniticellus africanus</i>   |    | Not found        |
| 60072 | Kilfenora         | 64 km ENE | Moora        | SH50/10 | 30 28 | 116 38 | Jan/75 | 500  | <i>Euoniticellus intermedius</i> |    | Not found        |
| 60073 | Joanna Plains     | 30 km WSW | Moora        | SH50/10 | 30 42 | 115 42 | Feb/79 | 300  | <i>Onitis alexis</i>             | C  | Found Feb/80     |
| 60073 | Joanna Plains     | 30 km WSW | Moora        | SH50/10 | 30 42 | 115 42 | May/75 | 150  | <i>Euoniticellus africanus</i>   |    |                  |
| 60073 | Joanna Plains     | 30 km WSW | Moora        | SH50/10 | 30 42 | 115 42 | Nov/79 | 1500 | <i>Onitis alexis</i>             | C  | Found Feb/80     |
| 60073 | Joanna Plains     | 30 km WSW | Moora        | SH50/10 | 30 42 | 115 42 | May/75 | 850  | <i>Euoniticellus intermedius</i> |    | Found Dec/78     |
| 60176 | Cranmore Park     | 28 km ENE | Moora        | SH50/10 | 30 34 | 116 15 | Nov/79 | 2000 | <i>Onitis alexis</i>             | C  | Found Jan/82     |
| 60176 | Cranmore Park     | 28 km ENE | Moora        | SH50/10 | 30 34 | 116 15 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jan/82     |
| 60176 | Cranmore Park     | 28 km ENE | Moora        | SH50/10 | 30 34 | 116 15 | Apr/79 | 500  | <i>Euoniticellus pallipes</i>    | 2  | Not found Jan/82 |
| 60176 | Cranmore Park     | 28 km ENE | Moora        | SH50/10 | 30 34 | 116 15 | Mar/79 | 250  | <i>Euoniticellus pallipes</i>    | 2  | Not found Jan/82 |
| 60176 | Cranmore Park     | 28 km ENE | Moora        | SH50/10 | 30 34 | 116 15 | Mar/79 | 600  | <i>Euoniticellus pallipes</i>    | 2  | Not found Jan/82 |
| 60191 | White (J. & Sons) | 52 km NW  | Moora        | SH50/10 | 30 15 | 115 44 | Feb/79 | 300  | <i>Euoniticellus intermedius</i> |    | Not found Jan/82 |
| 60254 | Yere Yere         | 28 km W   | Moora        | SH50/10 | 30 38 | 115 46 |        |      | <i>Onthophagus binodis</i>       | WR | Found Nov/79     |
| 60254 | Yere Yere         | 28 km W   | Moora        | SH50/10 | 30 38 | 115 46 | Nov/79 | 2000 | <i>Onitis alexis</i>             | C  |                  |
| 60254 | Yere Yere         | 28 km W   | Moora        | SH50/10 | 30 38 | 115 46 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/79     |
| 60310 | Roadside          | 39 km W   | Moora        | SH50/9  | 30 39 | 115 34 |        |      | <i>Onitis alexis</i>             | C  | Found Dec/81     |
| 60310 | Roadside          | 39 km W   | Moora        | SH50/9  | 30 39 | 115 34 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/81     |
| 60311 | Roadside          | 21 km W   | Moora        | SH50/10 | 30 38 | 115 48 |        |      | <i>Onitis alexis</i>             | C  | Found Dec/81     |
| 60312 | Roadside          | 16 km W   | Moora        | SH50/10 | 30 38 | 115 50 |        |      | <i>Onitis alexis</i>             | C  | Found Dec/81     |
| 60312 | Roadside          | 16 km W   | Moora        | SH50/10 | 30 38 | 115 50 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/81     |
| 60313 | Roadside          | 13 km S   | Moora        | SH50/10 | 30 40 | 116 5  |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/81     |
| 60314 | Roadside          | 34 km S   | Moora        | SH50/10 | 30 45 | 116 15 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/81     |
| 60317 | Recovery Area     | 17 km E   | Moora        | SH50/10 | 30 39 | 116 12 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/81     |
| 20106 | Newtons Hill      | 4 km SW   | Moorland     | SH56/14 | 31 50 | 152 38 | Jan/74 | 500  | <i>Onthophagus gazella</i>       | C  | Found Jan/82     |

|       |                |           |           |         |       |        |        |      |                                  |    |                  |
|-------|----------------|-----------|-----------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20106 | Newtons Hill   | 4 km SW   | Moorland  | SH56/14 | 31 50 | 152 38 | Dec/75 | 250  | <i>Hister nomas</i>              | WR | Found Dec/78     |
| 20279 | Cooinda Park   | 3 km W    | Moorland  | SH56/14 | 31 47 | 152 39 |        |      | <i>Onthophagus nigriventris</i>  |    | Found Feb/82     |
| 20279 | Cooinda Park   | 3 km W    | Moorland  | SH56/14 | 31 47 | 152 39 |        |      | <i>Onthophagus binodis</i>       | WR | Not found Feb/82 |
| 20279 | Cooinda Park   | 3 km W    | Moorland  | SH56/14 | 31 47 | 152 39 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20279 | Cooinda Park   | 3 km W    | Moorland  | SH56/14 | 31 47 | 152 39 |        |      | <i>Hister nomas</i>              |    | Found Oct/77     |
| 20279 | Cooinda Park   | 3 km W    | Moorland  | SH56/14 | 31 47 | 152 39 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Feb/82     |
| 20336 | Newby's Place  | 15 km W   | Moorland  | SH56/14 | 31 45 | 152 30 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/81     |
| 20336 | Newby's Place  | 15 km W   | Moorland  | SH56/14 | 31 45 | 152 30 |        |      | <i>Hister nomas</i>              |    | Found Mar/81     |
| 20336 | Newby's Place  | 14 km W   | Moorland  | SH56/14 | 31 45 | 152 30 | Dec/75 | 600  | <i>Euoniticellus africanus</i>   |    | Not found Mar/81 |
| 20336 | Newby's Place  | 15 km W   | Moorland  | SH56/14 | 31 45 | 152 30 | Dec/75 | 1000 | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20427 | Recovery Area  | 3 km N    | Moorland  | SH56/14 | 31 48 | 152 38 |        |      | <i>Hister nomas</i>              |    | Found Dec/76     |
| 20519 | Rosewood       | 4 km W    | Moorland  | SH56/14 | 31 48 | 152 35 | Dec/78 | 480  | <i>Onthophagus binodis</i>       | WR | Found Mar/81     |
| 20519 | Rosewood       | 4 km W    | Moorland  | SH56/14 | 31 48 | 152 35 |        |      | <i>Hister nomas</i>              |    | Found Dec/78     |
| 20519 | Rosewood       | 4 km W    | Moorland  | SH56/14 | 31 48 | 152 35 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/83     |
| 20519 | Rosewood       | 4 km W    | Moorland  | SH56/14 | 31 48 | 152 35 | Dec-78 | 3400 | <i>Onthophagus nigriventris</i>  |    | Found Mar/81     |
| 40597 | (Road Release) | 2 km S    | Moranbah  | SF55/12 | 22 01 | 148 03 | Feb/80 | 4000 | <i>Sisypus rubrus</i>            |    | Found Mar/81     |
| 40597 | (Road Release) | 2 km S    | Moranbah  | SF55/12 | 22 01 | 148 03 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/80     |
| 40597 | (Road Release) | 2 km S    | Moranbah  | SF55/12 | 22 01 | 148 03 | Feb/71 | 1000 | <i>Euoniticellus intermedius</i> | T  | Found Feb/80     |
| 40248 | Burton Downs   | 50 km NNE | Morangah  | SF55/7  | 21 35 | 148 10 |        |      | <i>Onthophagus gazella</i>       |    | Found Feb/75     |
| 20137 | Maneroo        | 32 km SE  | Moree     | SH55/08 | 29 37 | 149 56 | May/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Feb/75     |
| 20137 | Maneroo        | 32 km SE  | Moree     | SH55/08 | 29 37 | 149 56 | May/74 | 360  | <i>Euoniticellus africanus</i>   |    | Found Feb/75     |
| 20256 | Avondale       | km        | Moree     | SH55/8  | 29 30 | 149 53 | Oct/69 | 500  | <i>Hister nomas</i>              |    | Found Feb/75     |
| 20384 | Recovery Area  | 10 km S   | Moree     | SH55/8  | 29 34 | 149 50 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 20385 | Recovery Area  | 50 km NNW | Moree     | SH55/8  | 29 10 | 149 40 |        |      | <i>Onthophagus gazella</i>       | C  | Found Dec/78     |
| 20385 | Recovery Area  | 50 km NNW | Moree     | SH55/8  | 29 10 | 149 40 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 20394 | Recovery Area  | 64 km NNE | Moree     | SH55/8  | 29 0  | 149 51 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/76     |
| 20520 | Recovery Area  | 27 km S   | Moree     | SH55/8  | 29 42 | 149 51 |        |      | <i>Onthophagus gazella</i>       | C  | Found Jan/82     |
| 20520 | Recovery Area  | 27 km S   | Moree     | SH55/8  | 29 42 | 149 51 |        |      | <i>Onitis alexis</i>             | C  | Found Jan/82     |
| 20520 | Recovery Area  | 27 km S   | Moree     | SH55/8  | 29 42 | 149 51 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/78     |
| 20554 | Recovery Area  | 5 km N    | Moree     | SH55/8  | 29 26 | 149 51 |        |      | <i>Onthophagus gazella</i>       | C  | Found Jun/79     |
| 20554 | Recovery Area  | 5 km N    | Moree     | SH55/8  | 29 26 | 149 51 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jun/79     |
| 20608 | Jones Stud     | km NE     | Moree     | SH56/05 | 29 13 | 150 02 | Nov/75 | 1000 | <i>Euoniticellus intermedius</i> |    | Found Jun/79     |
| 20608 | Jones Stud     | km NE     | Moree     | SH56/05 | 29 13 | 150 02 | Nov/75 | 500  | <i>Euoniticellus africanus</i>   |    | Found Jun/79     |
| 20709 | Recovery Area  | 30 km W   | Moree     | SH55/8  | 29 33 | 149 36 |        |      | <i>Onthophagus gazella</i>       | C  | Found Jan/82     |
| 20709 | Recovery Area  | 30 km W   | Moree     | SH55/8  | 29 33 | 149 36 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jan/82     |
| 20710 | Recovery Area  | 5 km E    | Moree     | SH55/8  | 29 30 | 149 54 |        |      | <i>Onthophagus gazella</i>       | C  | Found Jan/82     |
| 20710 | Recovery Area  | 5 km E    | Moree     | SH55/8  | 29 30 | 149 54 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jan/82     |
| 20552 | Recovery Area  | 10 km SE  | Morrisett | SI56/5  | 33 00 | 151 27 |        |      | <i>Hister nomas</i>              |    | Found Jan/78     |
| 20519 | Rosewood       | 4 km W    | Morrland  | SH56/14 | 31 48 | 152 35 | Dec/78 | 3400 | <i>Onthophagus nigriventris</i>  |    | Found Mar/81     |
| 20141 | Glenduart      | 3 km NW   | Moruya    | SI56/13 | 35 53 | 150 7  | Mar/74 | 500  | <i>Onthophagus gazella</i>       | C  | Found Mar/81     |
| 20141 | Glenduart      | 3 km NW   | Moruya    | SI56/13 | 35 53 | 150 7  | Mar/69 | 520  | <i>Hister nomas</i>              |    | Found Feb/78     |
| 20141 | Glenduart      | 3 km NW   | Moruya    | SI56/13 | 35 53 | 150 7  | Dec/80 | 1000 | <i>Onitis alexis</i>             | C  | Found Apr/82     |

| Index | Property          | Location   | Town                   | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|-------------------|------------|------------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20507 | High View         | 4 km NNW   | Moruya                 | SI56/13 | 35 53 | 150 3  | Apr/80 | 270  | <i>Onitis caffer</i>             |    | Found Apr/82     |
| 20507 | High View         | 4 km NNW   | Moruya                 | SI56/13 | 35 53 | 150 3  | Jun/80 | 240  | <i>Onitis caffer</i>             |    | Found Apr/82     |
| 20507 | High View         | 4 km NNW   | Moruya                 | SI56/13 | 35 53 | 150 3  | Jan/80 | 3500 | <i>Onthophagus binodis</i>       | WR | Found Mar/81     |
| 20507 | High View         | 4 km NNW   | Moruya                 | SI56/13 | 35 53 | 150 3  | Mar/80 | 480  | <i>Onitis caffer</i>             |    | Found Apr/82     |
| 20507 | High View         | 4 km NNW   | Moruya                 | SI56/13 | 35 53 | 150 3  | Jan/78 | 550  | <i>Onitis pecuarius</i>          | ER | Found Feb/80     |
| 20507 | High View         | 4 km NNW   | Moruya                 | SI56/13 | 35 53 | 150 3  | Feb/80 | 705  | <i>Onitis caffer</i>             |    | Found Apr/82     |
| 20507 | High View         | 4 km NNW   | Moruya                 | SI56/13 | 35 53 | 150 3  | Jan/79 | 270  | <i>Onitis pecuarius</i>          | ER | Found Feb/80     |
| 20507 | High View         | 4 km NNW   | Moruya                 | SI56/13 | 35 53 | 150 3  | Feb/80 | 375  | <i>Onitis caffer</i>             |    | Found Apr/82     |
| 20507 | High View         | 4 km NNW   | Moruya                 | SI56/13 | 35 53 | 150 3  | Oct/79 | 115  | <i>Onitis caffer</i>             |    | Found Apr/82     |
| 20507 | High View         | 4 km NNW   | Moruya                 | SI56/13 | 35 53 | 150 3  | Dec/77 | 1000 | <i>Onthophagus gazella</i>       | ER | Found Mar/81     |
| 20507 | High View         | 4 km NNW   | Moruya                 | SI56/13 | 35 53 | 150 3  |        |      | <i>Hister nomas</i>              |    | Found Mar/81     |
| 20507 | High View         | 4 km NNW   | Moruya                 | SI56/13 | 35 53 | 150 3  | Apr/80 | 800  | <i>Onitis alexis</i>             | C  | Found Mar/81     |
| 20507 | High View         | 4 km NNW   | Moruya                 | SI56/13 | 35 53 | 150 3  | Dec/80 | 1500 | <i>Onitis alexis</i>             | C  | Found Apr/82     |
| 20508 | River View        | 3 km W     | Moruya                 | SI56/13 | 35 55 | 150 2  | Dec/77 | 1000 | <i>Onthophagus gazella</i>       | ER | Not found Apr/82 |
| 20508 | River View        | 3 km W     | Moruya                 | SI56/13 | 35 55 | 150 2  |        |      | <i>Onitis pecuarius</i>          | ER | Found Apr/82     |
| 20508 | River View        | 3 km W     | Moruya                 | SI56/13 | 35 55 | 150 2  | Dec/80 | 1500 | <i>Onitis alexis</i>             | C  | Found Apr/82     |
| 20799 | Mogendoura Val.   | 10 km NW   | Moruya                 | SI56/13 | 35 51 | 150 02 | Dec-80 | 4500 | <i>Hister nomas</i>              | C  | Found Apr/82     |
| 20800 | Roadside          | 1 km S     | Moruya                 | SI56/13 | 35 54 | 150 04 | Dec/80 | 1500 | <i>Onitis alexis</i>             | C  | Found Apr/82     |
| 20801 | Noggarula Creek   | 7 km S     | Moruya                 | SI56/13 | 35 57 | 150 04 | Dec/80 | 1500 | <i>Onitis alexis</i>             | C  | Found Apr/82     |
| 20802 | Coila             | 10 km S    | Moruya                 | SI56/13 | 35 58 | 150 04 | Dec/80 | 1500 | <i>Onitis alexis</i>             | C  | Found Apr/82     |
| 20853 | Noggarula Stud    | 6 km S     | Moruya                 | SI55/04 | 35 56 | 150 04 | Jan/81 | 1000 | <i>Onitis alexis</i>             | C  | Found Mar/82     |
| 40339 | Recovery Area     | 30 km E    | Morven                 | SG55/11 | 26 25 | 147 16 |        |      | <i>Onitis alexis</i>             | T  | Found Mar/82     |
| 40339 | Recovery Area     | 30 km E    | Morven                 | SG55/11 | 26 25 | 147 16 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Aug/74     |
| 40675 | Recovery Area     | 21 km E    | Morven                 | SG55/11 | 26 25 | 147 18 |        |      | <i>Onitis alexis</i>             | T  | Found Mar/82     |
| 20051 | Sceggs Farm       | 3 km NE    | Moss Vale              | SI56/9  | 34 32 | 150 25 | Dec/72 | 500  | <i>Onthophagus bubalus</i>       |    | Not found        |
| 20095 | Hawkshill         | 25 km WNW  | Moss Vale              | SI56/9  | 34 30 | 150 06 | Nov/75 | 500  | <i>Onthophagus taurus</i>        | 1  | Not found Feb/78 |
| 20095 | Hawkshill         | 25 km WNW  | Moss Vale              | SI56/9  | 34 30 | 150 06 | Dec/73 | 550  | <i>Onthophagus gazella</i>       | C  | Not found Feb/78 |
| 20095 | Hawkshill         | 25 km WNW  | Moss Vale              | SI56/9  | 34 30 | 150 06 | Oct/73 | 300  | <i>Sisypus rubrus</i>            | C  | Not found Feb/78 |
| 20346 | Wattle Hill       | 2 km Se    | Moss Vale              | SI56/9  | 34 30 | 150 06 | Dec/73 | 136  | <i>Onitis alexis</i>             | C  | Not found Feb/78 |
| 20346 | Wattle Hill       | 2 km SE    | Moss Vale              | SI56/9  | 34 34 | 150 25 | Dec/76 | 1200 | <i>Onthophagus taurus</i>        | 1  | Not found Feb/78 |
| 20685 | Ivy Hall          | 8 km SW    | Moss Vale              | SI56/9  | 34 36 | 150 20 | Oct/76 | 900  | <i>Onthophagus taurus</i>        | 1  | Not found Feb/78 |
| 20785 | Dunvegan Park     | 1 km N     | Moss Vale              | SI56/9  | 34 32 | 150 20 | Dec/81 | 1100 | <i>Onthophagus taurus</i>        | 4  | Not found Feb/78 |
| 20102 | Baker (L.J. & E.) | 24 km SE   | Moss Vale (Fitzroy FS) | SI56/9  | 34 38 | 150 30 | Jul/82 | 1000 | <i>Onthophagus taurus</i>        | 4  | Not found Apr/79 |
| 20102 | Baker (L.J. & E.) | 24 km SE   | Moss Vale (Fitzroy FS) | SI56/9  | 34 38 | 150 30 | Dec/73 | 500  | <i>Onthophagus binodis</i>       | SR | Not found Apr/79 |
| 20102 | Baker (L.J. & E.) | 24 km SE   | Moss Vale (Fitzroy FS) | SI56/9  | 34 38 | 150 30 | Dec/73 | 500  | <i>Onthophagus gazella</i>       | C  | Not found Apr/79 |
| 40095 | Wrotham Park      | 150 km WSW | Mossman                | SE54/4  | 16 40 | 144 00 | Dec/73 | 500  | <i>Euoniticellus africanus</i>   | T  | Not found Apr/79 |
| 40095 | Wrotham Park      | 150 km WSE | Mossman                | SE54/4  | 16 40 | 144 00 | Feb/69 | 3013 | <i>Onitis alexis</i>             | T  | Found May/72     |
| 40095 | Wrotham Park      | 150 km WSW | Mossman                | SE54/4  | 16 40 | 144 00 | Dec/73 | 500  | <i>Onthophagus gazella</i>       | T  | Found May/72     |



|       |                  |            |                |         |       |        |        |      |                                  |                  |
|-------|------------------|------------|----------------|---------|-------|--------|--------|------|----------------------------------|------------------|
| 40095 | Wrotham Park     | 150 km WSW | Mossman        | SE54/4  | 16 40 | 144 00 | Dec/73 | 500  | <i>Euoniticellus africanus</i>   | Found Oct/76     |
| 40095 | Wrotham Park     | 150 km WSW | Mossman        | SE54/4  | 16 40 | 144 00 | Feb/69 | 1668 | <i>Liatongus militaris</i>       |                  |
| 40095 | Wrotham Park     | 150 km WSW | Mossman        | SE54/4  | 16 40 | 144 00 | Dec/73 | 500  | <i>Euoniticellus intermedius</i> | T                |
| 40218 | Mt Carbine Town  | 28 km WSW  | Mossman        | SE55/1  | 16 32 | 145 9  | Apr/70 | 850  | <i>Onthophagus gazella</i>       | Found Feb/75     |
| 40252 | Glenray          | 25 km NNW  | Mossman        | SE55/1  | 16 14 | 145 19 |        |      | <i>Onthophagus gazella</i>       | Found Apr/80     |
| 40252 | Glenray          | 25 km NNW  | Mossman        | SE55/1  | 16 14 | 145 19 | Oct/76 | 1000 | <i>Onthophagus obliquus</i>      | Not found Apr/80 |
| 40252 | Glenray          | 25 km NNW  | Mossman        | SE55/1  | 16 14 | 145 19 | Apr/67 | 1000 | <i>Hister chinensis</i>          | Found Dec/69     |
| 40252 | Glenray          | 25 km NNW  | Mossman        | SE55/1  | 16 14 | 145 19 | Oct/76 | 2000 | <i>Coprus diversus</i>           | Not found Apr/82 |
| 40252 | Glenray          | 25 km NNW  | Mossman        | SE55/1  | 16 14 | 145 19 |        |      | <i>Euoniticellus intermedius</i> | Found Apr/80     |
| 40498 | Highbury         | 235 km W   | Mossman        | SE54/4  | 16 25 | 143 7  |        |      | <i>Hister nomas</i>              | Found May/81     |
| 40500 | McLeod Crossing  | 40 km W    | Mossman        | SE55/1  | 16 30 | 145 0  |        |      | <i>Onthophagus gazella</i>       | Found Oct/76     |
| 40500 | McLeod Crossing  | 40 km W    | Mossman        | SE55/1  | 16 30 | 145 0  |        |      | <i>Onthophagus sagittarius</i>   | Found Jun/75     |
| 20341 | Canary           | 32 km ESE  | Moulamein      | SI55/13 | 35 10 | 144 23 | Feb/76 | 550  | <i>Onthophagus gazella</i>       | Found Jul/74     |
| 60115 | Recovery Area    | 60 km ESE  | Mount Augustus | SG50/2  | 24 27 | 117 15 |        |      | <i>Onthophagus taurus</i>        | 1                |
| 60177 | Recovery Area    | 5 km E     | Mount Barker   | SI50/11 | 34 38 | 117 42 |        |      | <i>Euoniticellus intermedius</i> | Found Nov/76     |
| 60178 | Recovery Area    | 20 km E    | Mount Barker   | SI50/11 | 34 39 | 117 53 |        |      | <i>Onthophagus binodis</i>       | WR               |
| 60179 | Recovery Area    | 30 km E    | Mount Barker   | SI50/11 | 34 39 | 117 59 |        |      | <i>Onthophagus binodis</i>       | WR               |
| 60252 | Mt Barker R. Stn | 15 km W    | Mount Barker   | SI50/11 | 34 39 | 117 32 | Oct/79 | 900  | <i>Onthophagus binodis</i>       | WR               |
| 60252 | Mt Barker R. Stn | 15 km W    | Mount Barker   | SI50/11 | 34 39 | 117 32 |        |      | <i>Onthophagus taurus</i>        | 3                |
| 60252 | Mt Barker R. Stn | 15 km W    | Mount Barker   | SI50/11 | 34 39 | 117 32 | Jan/80 | 1050 | <i>Onthophagus binodis</i>       | WR               |
| 60253 | Recovery Area    | 5 km W     | Mount Barker   | SI50/11 | 34 39 | 117 36 |        |      | <i>Onthophagus taurus</i>        | 3                |
| 60255 | Recovery Area    | 17 km N    | Mount Barker   | SI50/11 | 34 29 | 117 40 |        |      | <i>Onthophagus binodis</i>       | WR               |
| 80131 | Recovery Area    | 8 km E     | Mount Cahill   | SD53/1  | 12 50 | 132 43 |        |      | <i>Onthophagus binodis</i>       | WR               |
| 80133 | Recovery Area    | 8 km N     | Mount Cahill   | SD53/1  | 12 50 | 132 39 |        |      | <i>Onthophagus gazella</i>       | T                |
| 80134 | Recovery Area    | 19 km WSW  | Mount Cahill   | SD53/1  | 13 00 | 132 23 |        |      | <i>Onthophagus gazella</i>       | T                |
| 80135 | Recovery Area    | 15 km E    | Mount Cahill   | SD53/1  | 12 46 | 132 45 |        |      | <i>Onthophagus gazella</i>       | T                |
| 40526 | Recovery Area    | 17 km SE   | Mount Carbine  | SE55/1  | 16 38 | 145 14 |        |      | <i>Onthophagus gazella</i>       | T                |
| 40526 | Recovery Area    | 17 km SE   | Mount Carbine  | SE55/1  | 16 38 | 145 14 |        |      | <i>Onthophagus sagittarius</i>   | GP               |
| 40526 | Recovery Area    | 17 km SE   | Mount Carbine  | SE55/1  | 16 38 | 145 14 |        |      | <i>Onthophagus gazella</i>       | GP               |
| 40526 | Recovery Area    | 17 km SE   | Mount Carbine  | SE55/1  | 16 38 | 145 14 |        |      | <i>Hister calidus</i>            |                  |
| 40526 | Recovery Area    | 17 km SE   | Mount Carbine  | SE55/1  | 16 38 | 145 14 |        |      | <i>Euoniticellus intermedius</i> |                  |
| 40600 | Recovery Area    | 45 km N    | Mount Carbine  | SE55/01 | 16 09 | 145 08 |        |      | <i>Onthophagus gazella</i>       | T                |
| 40600 | Recovery Area    | 45 km N    | Mount Carbine  | SE55/01 | 16 09 | 145 08 |        |      | <i>Euoniticellus intermedius</i> |                  |
| 50023 | The Brook        | 11 km SE   | Mount Compass  | SI54/13 | 35 25 | 138 40 | Jan/75 | 500  | <i>Euoniticellus intermedius</i> | Not found Oct/80 |
| 50068 | Goonamurra       | 8 km SE    | Mount Compass  | SI54/13 | 35 22 | 138 39 | Jan/81 | 600  | <i>Euoniticellus intermedius</i> |                  |
| 40138 | (Road Release)   | 95 km WNW  | Mount Coolon   | SF55/6  | 21 8  | 146 26 | Apr/74 | 500  | <i>Euoniticellus fulvus</i>      | 1                |
| 40139 | (Road Release)   | 75 km W    | Mount Coolon   | SF55/6  | 21 25 | 146 36 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |                  |
| 40140 | (Road Release)   | 55 km WSW  | Mount Coolon   | SF55/6  | 21 31 | 146 52 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |                  |
| 40141 | (Road Release)   | 62 km SW   | Mount Coolon   | SF55/7  | 21 50 | 147 0  | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |                  |
| 40142 | (Road Release)   | 82 km SSW  | Mount Coolon   | SF55/11 | 22 7  | 147 11 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |                  |
| 40214 | Gunnadoo         | 66 km NW   | Mount Coolon   | SF55/2  | 20 54 | 146 58 | Mar/78 | 1000 | <i>Euoniticellus intermedius</i> | T                |
| 40228 | Mt Coolon Stn    |            | Mount Coolon   | SF55/7  | 21 23 | 147 20 | Jan/71 | 2000 | <i>Onthophagus gazella</i>       | T                |

| Index | Property         | Location   | Town          | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status       |
|-------|------------------|------------|---------------|---------|-------|--------|--------|------|----------------------------------|----|--------------|
| 40245 | Bulliallah       | 80 km WSW  | Mount Coolon  | SF55/6  | 21 37 | 146 38 | Feb/71 | 1000 | <i>Onthophagus gazella</i>       | T  | Found Feb/75 |
| 40465 | Suttor Creek     | 65 km E    | Mount Coolon  | SF55/7  | 21 20 | 147 59 |        |      | <i>Onthophagus gazella</i>       | T  | Found Mar/72 |
| 40643 | Recovery Area    | 66 km NE   | Mount Coolon  | SF55/07 | 21 05 | 147 47 |        |      | <i>Onthophagus gazella</i>       | T  | Found Feb/82 |
| 40643 | Recovery Area    | 66 km NE   | Mount Coolon  | SF55/07 | 21 05 | 147 47 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Feb/82 |
| 40644 | Recovery Area    | 19 km NE   | Mount Coolon  | SF55/07 | 21 19 | 147 28 |        |      | <i>Onthophagus gazella</i>       | T  | Found Feb/82 |
| 40644 | Recovery Area    | 19 km NE   | Mount Coolon  | SF55/07 | 21 19 | 147 28 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Feb/82 |
| 40645 | Recovery Area    | 34 km SW   | Mount Coolon  | SF55/07 | 21 24 | 147 05 |        |      | <i>Liatongus militaris</i>       | T  | Found Feb/82 |
| 40463 | Recovery Area    | 90 km WNW  | Mount Douglas | SF55/6  | 21 17 | 146 21 |        |      | <i>Onthophagus gazella</i>       | T  | Found Dec/71 |
| 40467 | Elgin Downs      | 55 km S    | Mount Douglas | SF55/10 | 22 0  | 146 55 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jun/73 |
| 40475 | Recovery Area    | 80 km WNW  | Mount Douglas | SF55/6  | 21 17 | 146 24 |        |      | <i>Onthophagus gazella</i>       | T  | Found Dec/71 |
| 40646 | Recovery Area    | 7 km SE    | Mount Douglas | SF55/06 | 21 35 | 146 54 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Feb/82 |
| 40647 | Recovery Area    | 22 km NW   | Mount Douglas | SF55/06 | 21 29 | 146 45 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Feb/82 |
| 40648 | Recovery Area    | 51 km NW   | Mount Douglas | SF55/06 | 21 22 | 146 32 |        |      | <i>Onthophagus gazella</i>       | T  | Found Feb/82 |
| 40648 | Recovery Area    | 51 km NW   | Mount Douglas | SF55/06 | 21 22 | 146 32 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Feb/82 |
| 40649 | Recovery Area    | 67 km SSE  | Mount Douglas | SF55/11 | 22 03 | 147 07 |        |      | <i>Onthophagus gazella</i>       | T  | Found Feb/82 |
| 40649 | Recovery Area    | 67 km SSE  | Mount Douglas | SF55/11 | 22 03 | 147 07 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Feb/82 |
| 50083 | Greenbanks       | 20km NNE   | Mount Gambier | SJ54/6  | 37 41 | 140 57 | Aug/82 | 1000 | <i>Onthophagus taurus</i>        | 3  | Found Feb/82 |
| 50084 | Clayfield (D.M.) | 10 km NE   | Mount Gambier | SJ54/6  | 37 46 | 140 53 | Sep/82 | 750  | <i>Onthophagus taurus</i>        | 3  | Found Feb/82 |
| 50084 | Clayfield (DM)   | 10 km NE   | Mount Gambier | SJ54/6  | 37 46 | 140 53 | Sep/82 | 900  | <i>Euoniticellus pallipes</i>    | 3  | Found Feb/82 |
| 20091 | Stanifords etc.  | 40 km NNW  | Mount Hope    | SE55/2  | 32 37 | 145 45 | May/73 | 500  | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 40011 | Hazelvale Stn.   | 16 km NW   | Mount Isa     | SF54/1  | 20 38 | 139 23 | Apr/72 | 508  | <i>Euoniticellus intermedius</i> |    | Found Apr/82 |
| 40208 | Yelvertoft Stn   | 85 km NW   | Mount Isa     | SF54/1  | 20 13 | 138 53 | Feb/70 | 1000 | <i>Onthophagus gazella</i>       | T  | Found Feb/75 |
| 40210 | Kamileroi        | 160 km NNE | Mount Isa     | SE54/14 | 19 22 | 140 2  | Mar/70 | 1000 | <i>Onthophagus gazella</i>       | T  | Found Feb/75 |
| 40210 | Kamileroi        | 160 km NNE | Mount Isa     | SE54/14 | 19 22 | 140 2  | Mar/73 | 500  | <i>Euoniticellus intermedius</i> |    | Found Feb/75 |
| 40215 | D.P.I. Mt Isa    | km         | Mount Isa     | SF54/1  | 20 43 | 139 29 | Apr/70 | 103  | <i>Onthophagus sagittarius</i>   | T  | Found Feb/75 |
| 40215 | D.P.I. Mt Isa    | km         | Mount Isa     | SF54/1  | 20 43 | 139 29 | Mar/70 | 1000 | <i>Onthophagus gazella</i>       |    | Found Feb/75 |
| 40215 | D.P.I. Mt Isa    | km         | Mount Isa     | SF54/1  | 20 43 | 139 29 | Apr/70 | 131  | <i>Liatongus militaris</i>       |    | Found Feb/75 |
| 40215 | D.P.I. Mt Isa    | km         | Mount Isa     | SF54/1  | 20 43 | 139 29 | Apr/78 | 108  | <i>Copris incertus</i>           |    | Found Feb/75 |
| 40215 | D.P.I. Mt Isa    | km         | Mount Isa     | SF54/1  | 20 43 | 139 29 | Apr/70 | 107  | <i>Hister caffer</i>             |    | Found Feb/75 |
| 40432 | Recovery Area    | 82 km NW   | Mount Isa     | SF54/1  | 20 17 | 139 3  |        |      | <i>Onthophagus gazella</i>       | GP | Found Aug/76 |
| 40432 | Recovery Area    | 82 km NW   | Mount Isa     | SF54/1  | 20 17 | 139 3  |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/76 |
| 40462 | Recovery Area    | km         | Mount Isa     | SF54/1  | 20 44 | 139 29 |        |      | <i>Onthophagus gazella</i>       | T  | Found Dec/71 |
| 40483 | Recovery Area    | 66 km NW   | Mount Isa     | SF54/1  | 20 23 | 139 15 |        |      | <i>Onthophagus gazella</i>       | GP | Found Apr/76 |
| 40705 | Recovery Area    | 33 km S    | Mount Isa     | SF54/01 | 20 57 | 139 26 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82 |
| 40705 | Recovery Area    | 33 km S    | Mount Isa     | SF54/01 | 20 57 | 139 26 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82 |
| 40706 | Recovery Area    | 64 km S    | Mount Isa     | SF54/05 | 21 18 | 139 07 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82 |
| 40706 | Recovery Area    | 84 km S    | Mount Isa     | SF4/05  | 21 18 | 139 07 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82 |
| 40707 | Dajarra          | 165 km SSE | Mount Isa     | SF54/06 | 21 42 | 139 30 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82 |
| 40707 | Dajarra          | 165 km SSE | Mount Isa     | SF54/06 | 21 42 | 139 30 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82 |
| 40496 | Station Creek    | 17 km N    | Mount Molloy  | SE55/1  | 16 35 | 145 22 |        |      | <i>Onthophagus sagittarius</i>   |    | Found Jan/73 |

|       |                 |           |                     |         |       |        |                                  |    |              |
|-------|-----------------|-----------|---------------------|---------|-------|--------|----------------------------------|----|--------------|
| 40496 | Station Creek   | 17 km N   | Mount Molloy        | SE55/1  | 16 35 | 145 22 | <i>Onthophagus gazella</i>       | GP | Found Jun/74 |
| 40393 | Dululu          | 30 km SW  | Mount Morgan        | SF56/13 | 23 50 | 150 16 | <i>Onthophagus gazella</i>       | GP | Found Jun/75 |
| 40393 | Dululu          | 30 km SW  | Mount Morgan        | SF56/13 | 23 50 | 150 16 | <i>Euoniticellus intermedius</i> |    | Found Jun/75 |
| 40481 | Recovery Area   | 20 km S   | Mount Morgan        | SF56/13 | 23 45 | 150 22 | <i>Euoniticellus intermedius</i> |    | Found Mar/76 |
| 40529 | Recovery Area   |           | Mount Morgan        | SF56/13 | 23 38 | 150 24 | <i>Euoniticellus intermedius</i> |    | Found Mar/76 |
| 40533 | Bouldercombe    | 20 km NNE | Mount Morgan        | SF56/13 | 23 34 | 150 28 | <i>Euoniticellus intermedius</i> | GP | Found Mar/76 |
| 40651 | Recovery Area   | 17 m SW   | Mount Morgan        | SF56/13 | 23 46 | 150 21 | <i>Onthophagus gazella</i>       |    | Found Feb/82 |
| 40651 | Recovery Area   | 17 km SW  | Mount Morgan        | SF56/13 | 23 46 | 150 21 | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 40063 | (Road Release)  | 15 km S   | Mount Perry         | SG56/6  | 25 15 | 151 41 | <i>Onthophagus binodis</i>       | SR | Not found    |
| 40063 | (Road Release)  | 16 km S   | Mount Perry         | SG56/6  | 25 15 | 151 41 | <i>Onthophagus gazella</i>       | C  | Found Nov/76 |
| 40063 | (Road Release)  | 16 km S   | Mount Perry         | SG56/6  | 25 15 | 151 41 | <i>Euoniticellus intermedius</i> |    | Found Nov/76 |
| 40262 | Rangatira       | 1 km NW   | Mount Perry         | SG56/6  | 25 9  | 151 37 | <i>Sisyphus spinipes</i>         |    | Found Nov/79 |
| 40262 | Rangatira       | 1 km NW   | Mount Perry         | SG56/6  | 25 9  | 151 37 | <i>Onthophagus gazella</i>       | T  | Found Nov/79 |
| 40262 | Rangatira       | 1 km NW   | Mount Perry         | SG56/6  | 25 9  | 151 37 | <i>Euoniticellus intermedius</i> |    | Found Jun/75 |
| 40403 | Recovery Area   | 21 km SW  | Mount Perry         | SG56/6  | 25 14 | 151 31 | <i>Onthophagus gazella</i>       | GP | Found Jun/75 |
| 40403 | Recovery Area   | 21 km SW  | Mount Perry         | SG56/6  | 25 14 | 151 31 | <i>Euoniticellus intermedius</i> |    | Found Jun/75 |
| 40404 | Recovery Area   | 26 km SW  | Mount Perry         | SG56/5  | 25 16 | 151 29 | <i>Onthophagus gazella</i>       | GP | Found Jun/75 |
| 40404 | Recovery Area   | 26 km SW  | Mount Perry         | SG56/5  | 25 16 | 151 29 | <i>Euoniticellus intermedius</i> |    | Found Jun/75 |
| 60119 | Recovery Area   | 30 km ESE | Mount Vernon        | SG50/3  | 24 18 | 118 31 | <i>Euoniticellus intermedius</i> |    | Found Nov/76 |
| 50046 | Joyce Well      | 15 km N   | Mount Willoughby    | SG53/14 | 27 49 | 134 6  | <i>Euoniticellus intermedius</i> |    | Found Nov/77 |
| 50047 | Recovery Area   | 5 km S    | Mount Willoughby    | SG53/14 | 28 0  | 134 8  | <i>Euoniticellus intermedius</i> |    | Found Nov/77 |
| 80272 | Homestead Yards | km        | Mountain Vallen Stn | SD53/10 | 14 05 | 133 49 | <i>Euoniticellus intermedius</i> |    | Found Nov/77 |
| 80272 | Homestead Yards | km        | Mountain Vallen Stn | SD53/10 | 14 05 | 133 49 | <i>Onthophagus gazella</i>       | T  | Found Apr/80 |
| 40243 | Shenandoah      | 8 km SW   | Moura               | SG55/4  | 24 54 | 149 33 | <i>Onthophagus gazella</i>       | T  | Found Apr/80 |
| 40296 | Recovery Area   | 20 km SE  | Moura               | SG56/1  | 24 37 | 150 8  | <i>Euoniticellus intermedius</i> |    | Found Feb/75 |
| 40298 | Recovery Area   | 17 km E   | Moura               | SG56/1  | 24 32 | 150 9  | <i>Euoniticellus intermedius</i> |    | Found Mar/76 |
| 40299 | Recovery Area   | 30 km NE  | Moura               | SG56/1  | 24 26 | 150 14 | <i>Euoniticellus intermedius</i> |    | Found Mar/76 |
| 40381 | Banana          | 20 km NE  | Moura               | SF56/6  | 24 28 | 150 8  | <i>Onthophagus gazella</i>       | GP | Found Jun/75 |
| 40381 | Banana          | 20 km NE  | Moura               | SF 56/6 | 24 28 | 150 8  | <i>Euoniticellus intermedius</i> |    | Found Jun/75 |
| 40382 | Bauhinia Downs  | 80 km W   | Moura               | SG55/4  | 24 34 | 149 17 | <i>Onthophagus gazella</i>       | GP | Found Jun/75 |
| 40382 | Bauhinia Downs  | 80 km W   | Moura               | SG55/4  | 24 34 | 149 17 | <i>Euoniticellus intermedius</i> |    | Found Jun/75 |
| 40388 | Recovery Area   | 27 km SSE | Moura               | SG56/1  | 24 43 | 150 9  | <i>Euoniticellus intermedius</i> |    | Found Jun/75 |
| 40579 | Bears Lagoon    | 16 km WSW | Moura               | SG55/36 | 24 36 | 149 52 | <i>Onitis deceptor</i>           | B  | Found Feb/82 |
| 40579 | Bears Lagoon    | 16 km WSW | Moura               | SG55/04 | 24 36 | 149 52 | <i>Onitis deceptor</i>           |    | Found Feb/82 |
| 40579 | Bears Lagoon    | 16 km WSW | Moura               | SG55/36 | 24 36 | 149 52 | <i>Onitis deceptor</i>           |    | Found Feb/82 |
| 40579 | Bears Lagoon    | 16 km WSW | Moura               | SG55/36 | 24 36 | 149 52 | <i>Onitis deceptor</i>           |    | Found Feb/82 |
| 40654 | Recovery Area   | 3 km SW   | Moura               | SG55/04 | 24 36 | 149 57 | <i>Onthophagus gazella</i>       | GP | Found Feb/82 |
| 40654 | Recovery Area   | 3 km SW   | Moura               | SG55/04 | 24 36 | 149 57 | <i>Euoniticellus intermedius</i> | T  | Found Feb/82 |
| 40654 | Recovery Area   | 3 km SW   | Moura               | SG55/04 | 24 36 | 149 57 | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 40655 | Recovery Area   | 61 km WSW | Moura               | SG55/04 | 24 38 | 149 30 | <i>Euoniticellus intermedius</i> |    | Found Jul/83 |
| 80353 | Peppimenarti    |           | Moyle River Plains  | SD52/11 | 1408  | 129 40 | <i>Onthophagus gazella</i>       |    | Found Jul/83 |
| 80353 | Peppimenarti    |           | Moyle River Plains  | SD52/11 | 14 08 | 129 40 | <i>Euoniticellus intermedius</i> |    | Found Jul/83 |

| Index | Property         | Location  | Town                | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status       |
|-------|------------------|-----------|---------------------|---------|-------|--------|--------|------|----------------------------------|----|--------------|
| 80257 | 1,2+Laddibah Br. | km        | Muckaty Station     | SE53/10 | 18 38 | 133 39 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/80 |
| 80257 | 1,2+Laddibah Br. | km        | Muckaty Station     | SE53/10 | 18 38 | 133 39 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/80 |
| 20031 | Dewhurst         | 2 km S    | Mudgee              | SI55/4  | 32 35 | 149 33 | Oct/72 | 300  | <i>Onitis alexis</i>             | C  |              |
| 20031 | Dewhurst         | 2 km S    | Mudgee              | SI55/4  | 32 35 | 149 33 | May/74 | 1000 | <i>Euoniticellus intermedius</i> |    |              |
| 20031 | Dewhurst         | 2 km S    | Mudgee              | SI55/4  | 32 35 | 149 33 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |              |
| 80130 | Recovery Area    | km        | Mudgeinbarry Road   | SD53/1  | 12 40 | 132 55 |        |      | <i>Onthophagus gazella</i>       | GP | Found Dec/76 |
| 40020 | Wilgunya         | 52 km WNW | Mungindi (NSW)      | SH55/3  | 28 57 | 148 28 | Oct/72 | 500  | <i>Euoniticellus intermedius</i> |    |              |
| 60117 | Recovery Area    | km        | Mulgul              | SG50/3  | 24 50 | 118 28 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76 |
| 60118 | Recovery Area    | 35 km N   | Mulgul              | SG50/3  | 24 40 | 118 32 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76 |
| 60122 | Recovery Area    | 15 km ESE | Mulgul              | SG50/3  | 24 53 | 118 36 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76 |
| 20533 | Recovery Area    | 1 km E    | Mullaley            | SH55/16 | 31 06 | 149 54 |        |      | <i>Onthophagus gazella</i>       | C  | Found Nov/78 |
| 20533 | Recovery Area    | 1 km E    | Mullaley            | SH55/16 | 31 06 | 149 54 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/78 |
| 20533 | Recovery Area    | 1 km E    | Mullaley            | SH55/16 | 31 06 | 149 54 |        |      | <i>Hister nomas</i>              |    | Found Nov/78 |
| 20533 | Recovery Area    | 1 km E    | Mullaley            | SH55/16 | 31 06 | 149 54 |        |      | <i>Euoniticellus africanus</i>   |    | Found Nov/78 |
| 40267 | Narayan Res. St. | 48 km WSW | Mundubbera          | SG56/5  | 25 40 | 150 50 | Feb/72 | 1346 | <i>Onthophagus gazella</i>       | T  | Found Nov/78 |
| 40267 | Narayan Res. St. | 48 km WSW | Mundubbera          | SG56/5  | 25 40 | 150 50 | Dec/75 | 500  | <i>Onitis alexis</i>             | T  | Found Feb/75 |
| 40665 | Recovery Area    | 23 km ENE | Mundubbera          | SG56/05 | 25 31 | 151 28 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 40666 | Recovery Area    | 18 km NW  | Mundubbera          | SG56/05 | 25 29 | 151 13 |        |      | <i>Onitis alexis</i>             | T  | Found Feb/82 |
| 40666 | Recovery Area    | 18 km NW  | Mundubbera          | SG56/05 | 25 29 | 151 13 |        |      | <i>Onthophagus gazella</i>       | T  | Found Feb/82 |
| 40666 | Recovery Area    | 18 km NW  | Mundubbera          | SG56/05 | 25 29 | 151 13 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 50069 | Yarrabee         | 8 km SW   | Mundulla            | SI54/02 | 36 24 | 140 38 | Feb/81 | 2500 | <i>Onthophagus binodis</i>       | WR | Found Feb/84 |
| 80265 | Recovery Area    | 6 km SW   | Mungabroom S/m Hmsd | SE53/06 | 17 53 | 134 30 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/80 |
| 80265 | Recovery Area    | 6 km SW   | Mungabroom S/m Hmsd | SE53/06 | 17 53 | 134 30 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/80 |
| 20005 | Welbondongah     | 25 km SE  | Mungindi            | SH55/4  | 29 6  | 149 13 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/80 |
| 20386 | Recovery Area    | 10 km SE  | Mungindi            | SH55/4  | 29 3  | 149 3  |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74 |
| 40411 | Recovery Area    | km        | Mungindi            | SH55/4  | 28 59 | 149 0  |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/75 |
| 40020 | Wilgunya         | 52 km WNW | Mungindi (NSW)      | SH55/4  | 28 59 | 149 0  |        |      | <i>Euoniticellus intermedius</i> |    |              |
| 40181 | Wilgunya Stn     | 7 km NE   | Mungindi (NSW)      | SH55/3  | 28 57 | 148 28 | Oct/72 | 500  | <i>Euoniticellus intermedius</i> |    | Found Feb/75 |
| 40333 | Recovery Area    | 50 km NNW | Mungindi (NSW)      | SH55/4  | 28 59 | 148 55 | Feb/75 | 500  | <i>Euoniticellus intermedius</i> | GP | Found Aug/74 |
| 40333 | Recovery Area    | 50 km NNW | Mungindi (NSW)      | SH55/4  | 28 32 | 148 51 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74 |
| 40334 | Thallon          | 40 km NNW | Mungindi (NSW)      | SH55/4  | 28 38 | 148 52 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74 |
| 40412 | Recovery Area    | 31 km NNE | Mungindi (NSW)      | SH55/4  | 28 42 | 148 53 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/75 |
| 40412 | Recovery Area    | 31 km NNE | Mungindi (NSW)      | SH55/4  | 28 42 | 148 53 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/75 |
| 40413 | Recovery Area    | 45 km NNE | Mungindi (NSW)      | SH55/4  | 28 27 | 148 53 |        |      | <i>Onitis alexis</i>             | C  | Found Dec/75 |
| 40413 | Recovery Area    | 45 km NNE | Mungindi (NSW)      | SH55/4  | 28 27 | 148 53 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/75 |
| 40046 | Cloyne           | 34 km N   | Murgon              | SG56/6  | 25 57 | 151 58 | May/73 | 450  | <i>Onitis alexis</i>             | C  | Found Nov/76 |
| 40046 | Cloyne           | 34 km N   | Murgon              | SG56/6  | 25 57 | 151 58 |        |      | <i>Onthophagus gazella</i>       | C  | Found Nov/76 |
| 40407 | Goomeri          | 18 km NE  | Murgon              | SG56/10 | 26 11 | 152 4  |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76 |
| 40408 | Recovery Area    | 17 km ESE | Murgon              | SG56/10 | 26 15 | 152 4  |        |      | <i>Euoniticellus intermedius</i> |    | Found Jun/75 |
| 40408 | Recovery Area    | 17 km ESE | Murgon              | SG56/10 | 26 15 | 152 4  |        |      | <i>Onitis alexis</i>             | C  | Found Mar/82 |
| 40408 | Recovery Area    | 17 km ESE | Murgon              | SG56/10 | 26 15 | 152 4  |        |      | <i>Euoniticellus intermedius</i> |    | Found Jun/75 |

|       |                     |           |                  |         |       |        |        |                                  |    |                  |
|-------|---------------------|-----------|------------------|---------|-------|--------|--------|----------------------------------|----|------------------|
| 40445 | Wondai              | 15 km SW  | Murgon           | SG56/10 | 26 19 | 151 53 |        | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 40585 | Kilkivan            | 40 km NE  | Murgon           | SG56/10 | 26 05 | 152 15 |        | <i>Onthophagus gazella</i>       | GP | Found Nov/79     |
| 40585 | Kilkivan            | 40 km NE  | Murgon           | SG56/10 | 26 05 | 152 15 |        | <i>Euoniticellus intermedius</i> |    | Found Nov/79     |
| 40613 | Gympie Road         | 8 km ENE  | Murgon           | SG56/10 | 26 13 | 152 01 |        | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 40613 | Gympie Road         | 8 km ENE  | Murgon           | SG56/10 | 26 13 | 152 01 |        | <i>Onitis alexis</i>             | C  | Found Feb/82     |
| 40613 | Gympie Road         | 8 km ENE  | Murgon           | SG56/10 | 26 13 | 152 01 |        | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 40664 | Recovery Area       | 70 km N   | Murgon           | SG56/09 | 26 22 | 151 15 |        | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 80270 | Hmsd Mudtank        | km        | Murrnaji Station | SE53/01 | 16 53 | 132 49 |        | <i>Onthophagus gazella</i>       | T  | Found Apr/80     |
| 80270 | Hmsd Mudtank Br     | km        | Murrnaji Station | SE53/01 | 16 53 | 132 49 |        | <i>Euoniticellus intermedius</i> |    | Found Apr/80     |
| 50053 | Carter (G.D. & Sns) | 5 km SE   | Murray Bridge    | SI54/13 | 35 12 | 139 18 | Feb/79 | <i>Onthophagus binodis</i>       | WR | Not found        |
| 20077 | Carmody Farm        | 8 km ESE  | Murrumbateman    | SI55/16 | 35 0  | 149 7  | Feb/73 | <i>Onthophagus gazella</i>       | C  | Not found        |
| 20083 | Mountain Vale       | 8 km E    | Murrumbateman    | SI55/12 | 34 58 | 149 6  | Mar/73 | <i>Euoniticellus africanus</i>   |    | Not found        |
| 20529 | Ravensworth         | 6 km W    | Murrumbateman    | SI55/12 | 34 59 | 148 59 | Apr/79 | <i>Geotrupes spiniger</i>        | I  | Not found        |
| 20649 | Recovery Area       |           | Murrurundi       | SH56/13 | 31 46 | 150 50 |        | <i>Euoniticellus africanus</i>   |    | Found Mar/81     |
| 20649 | Recovery Area       |           | Murrurundi       | SH56/13 | 31 46 | 150 50 |        | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20754 | Recovery Area       | 15 km ESE | Murrurundi       | SH56/13 | 31 48 | 150 56 |        | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20754 | Recovery Area       | 15 km ESE | Murrurundi       | SH56/13 | 31 48 | 150 56 |        | <i>Euoniticellus africanus</i>   |    | Found Feb/82     |
| 20755 | Recovery Area       | 32 km E   | Murrurundi       | SH56/13 | 31 46 | 151 03 |        | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20755 | Recovery Area       | 32 km E   | Murrurundi       | SH56/13 | 31 46 | 151 03 |        | <i>Euoniticellus africanus</i>   |    | Found Feb/82     |
| 20248 | Camelot             | 6 km SSE  | Murwillumbah     | SH56/3  | 28 23 | 153 27 | May/75 | <i>Onthophagus gazella</i>       | C  | Found Mar/81     |
| 20248 | Camelot             | 6 km SSE  | Murwillumbah     | SH56/3  | 28 23 | 153 27 |        | <i>Onitis alexis</i>             | C  | Not found Mar/81 |
| 20248 | Camelot             | 6 km SSE  | Murwillumbah     | SH56/3  | 28 23 | 153 27 |        | <i>Hister nomas</i>              |    | Found Sep/76     |
| 20248 | Camelot             | 6 km SSE  | Murwillumbah     | SH56/3  | 28 23 | 153 27 |        | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20268 | Sunnymeadows        | 2 km S    | Murwillumbah     | SH56/3  | 28 21 | 153 24 |        | <i>Onthophagus gazella</i>       | C  | Found Mar/82     |
| 20268 | Sunnymeadows        | 2 km S    | Murwillumbah     | SH56/3  | 28 21 | 153 24 |        | <i>Hister nomas</i>              |    | Found Mar/82     |
| 20522 | Burringbar          | 20 km SSE | Murwillumbah     | SH56/3  | 28 26 | 153 28 | Nov/70 | <i>Hister nomas</i>              |    | Found Dec/78     |
| 20525 | Recovery Area       |           | Murwillumbah     | SH56/3  | 28 18 | 153 24 |        | <i>Hister nomas</i>              |    | Found Dec/78     |
| 20632 | Recovery Area       | 17 km NE  | Murwillumbah     | SH56/03 | 28 50 | 153 31 |        | <i>Onthophagus gazella</i>       | C  | Found Feb/81     |
| 20632 | Recovery Area       | 17 km NE  | Murwillumbah     | SH56/03 | 28 50 | 153 31 |        | <i>Euoniticellus intermedius</i> |    | Found Feb/81     |
| 20177 | Elgin Past. Com.    | 6 km N    | Muswellbrook     | SI56/1  | 32 13 | 150 52 | Nov/75 | <i>Onthophagus taurus</i>        | I  | Not found Mar/81 |
| 20177 | Elgin Past. Com.    | 6 km N    | Muswellbrook     | SI56/1  | 32 13 | 150 52 | Feb/75 | <i>Onitis alexis</i>             | C  | Found Mar/81     |
| 20177 | Elgin Past. Com.    | 6 km N    | Muswellbrook     | SI56/1  | 32 13 | 150 52 | Feb/75 | <i>Euoniticellus intermedius</i> |    | Found Jan/78     |
| 20236 | (Road Release)      | 19 km SE  | Muswellbrook     | SI56/1  | 32 22 | 150 59 | Feb/75 | <i>Euoniticellus intermedius</i> |    | Not found Oct/77 |
| 20236 | (Road Release)      | 19 km SE  | Muswellbrook     | SI56/1  | 32 22 | 150 59 | Feb/75 | <i>Euoniticellus africanus</i>   |    | Not found Oct/77 |
| 20237 | (Road Release)      | 31 km SE  | Muswellbrook     | SI56/1  | 32 25 | 151 3  | Feb/75 | <i>Euoniticellus africanus</i>   |    | Not found Oct/77 |
| 20237 | (Road Release)      | 31 km SE  | Muswellbrook     | SI56/1  | 32 25 | 151 3  | Feb/75 | <i>Euoniticellus intermedius</i> |    | Not found Oct/77 |
| 20742 | Recovery Area       | 9 km SE   | Muswellbrook     | SI56/1  | 32 19 | 150 57 |        | <i>Euoniticellus intermedius</i> | C  | Found Feb/82     |
| 20742 | Recovery Area       | 9 km SE   | Muswellbrook     | SI56/1  | 32 19 | 150 57 |        | <i>Onthophagus gazella</i>       |    | Found Feb/82     |
| 20742 | Recovery Area       | 9 km SE   | Muswellbrook     | SI56/1  | 32 19 | 150 57 |        | <i>Euoniticellus africanus</i>   |    | Found Feb/82     |
| 20742 | Recovery Area       | 9 km SE   | Muswellbrook     | SI56/1  | 32 19 | 150 57 |        | <i>Hister nomas</i>              |    | Found Feb/82     |
| 20743 | Recovery Area       | 9 km SE   | Muswellbrook     | SI56/1  | 32 19 | 150 57 |        | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20743 | Recovery Area       | 6 km W    | Muswellbrook     | SI56/1  | 32 18 | 150 49 |        | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20744 | Recovery Area       | 24 km W   | Muswellbrook     | SI56/1  | 32 21 | 150 45 |        | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |

| Index | Property           | Location   | Town       | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|--------------------|------------|------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 40041 | Kensington Dwns    | 40 km W    | Muttaborra | SF55/9  | 22 36 | 144 7  | May/73 | 500  | <i>Euoniticeilus intermedius</i> |    |                  |
| 40555 | Bowen Downs        | 50 km ENE  | Muttaborra | SF55/9  | 22 29 | 145 00 |        |      | <i>Onthophagus gazella</i>       | GP | Found Feb/78     |
| 40555 | Bowen Downs        | 50 km ENE  | Muttaborra | SF55/9  | 22 29 | 145 00 |        |      | <i>Onitis alexis</i>             | T  | Not found Feb/78 |
| 40555 | Bowen Downs        | 50 km ENE  | Muttaborra | SF55/9  | 22 29 | 145 00 |        |      | <i>Euoniticeilus intermedius</i> |    | Found Feb/78     |
| 40556 | Bannockburn        | 107 km NNE | Muttaborra | SF55/5  | 21 47 | 145 05 |        |      | <i>Onthophagus gazella</i>       | GP | Found Feb/78     |
| 40556 | Muttaborra         | 107 km NNE | Muttaborra | SF55/5  | 21 47 | 145 05 |        |      | <i>Onitis alexis</i>             | T  | Not found Feb/78 |
| 40556 | Bannockburn        | 107 km NNE | Muttaborra | SF55/5  | 21 47 | 145 05 |        |      | <i>Euoniticeilus intermedius</i> |    | Found Feb/78     |
| 40569 | Ohio               | 101 km NNE | Muttaborra | SF55/5  | 21 47 | 145 05 |        |      | <i>Onthophagus gazella</i>       | GP | Found Feb/78     |
| 40569 | Ohio               | 101 km NNE | Muttaborra | SF55/5  | 21 47 | 145 05 |        |      | <i>Onitis alexis</i>             | T  | Not found Feb/78 |
| 40569 | Ohio               | 101 km NNE | Muttaborra | SF55/5  | 21 47 | 145 05 |        |      | <i>Euoniticeilus intermedius</i> |    | Found Feb/78     |
| 50054 | Kelley (M.H. & J.) | 11 km NW   | Myppolonga | SI54/13 | 35 00 | 139 20 | Feb/79 | 1000 | <i>Onthophagus binodis</i>       | WR | Found Oct/80     |
| 50055 | Waradene Stud F    | 3 km NE    | Myppolonga | SI54/9  | 34 59 | 139 20 | Feb/80 | 1500 | <i>Euoniticeilus pallipes</i>    | 3  | Not found Mar/81 |
| 50055 | Waradene Stud F    | 3 km NE    | Myppolonga | SI54/9  | 34 59 | 139 20 | Feb/80 | 1300 | <i>Euoniticeilus pallipes</i>    | 3  | Not found Mar/81 |
| 50066 | Uganda Freisian    | 10 km E    | Myppolonga | SI54/13 | 35 23 | 138 30 | May/80 | 1550 | <i>Onthophagus taurus</i>        | 3  | Found Jan/84     |
| 50054 | Kelley (M.H. & J.) | 11 km NW   | Myppolonga | SI54/13 | 35 00 | 139 20 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR | Found Oct/80     |
| 50061 | Dell Roy           | 4 km W     | Myppolonga | SI54/13 | 35 23 | 138 27 | Apr/80 | 2000 | <i>Euoniticeilus pallipes</i>    | 3  | Not found Mar/81 |
| 50062 | Corby (Mr P.J.)    | 3 km S     | Myppolonga | SI54/13 | 35 24 | 138 28 | Apr/80 | 2000 | <i>Euoniticeilus pallipes</i>    | 3  | Not found Oct/80 |
| 50063 | Roslyn Vale Std    | 4 km SW    | Myppolonga | SI54/13 | 35 24 | 138 27 | May/80 | 1000 | <i>Euoniticeilus pallipes</i>    | 3  | Not found Oct/80 |
| 50063 | Roslyn Vale Std    | 4 km SW    | Myppolonga | SI54/13 | 35 24 | 138 27 | Apr/80 | 800  | <i>Euoniticeilus pallipes</i>    | 3  | Not found Oct/80 |
| 50064 | Maslin & Sons      | 13 km E    | Myppolonga | SI54/13 | 35 23 | 138 35 | May/80 | 1100 | <i>Onthophagus taurus</i>        | 3  | Not found Oct/80 |
| 50064 | Maslin & Sons      | 13 km E    | Myppolonga | SI54/13 | 35 23 | 138 35 | May/80 | 1100 | <i>Onthophagus taurus</i>        | 3  | Found Jan/84     |
| 50065 | Fairdale           | 11 km E    | Myppolonga | SI54/13 | 35 24 | 138 36 | May/80 | 1650 | <i>Onthophagus taurus</i>        | 3  | Found Jan/84     |
| 50065 | Fairdale           | 11 km E    | Myppolonga | SI54/13 | 35 24 | 138 36 | May/80 | 1650 | <i>Onthophagus taurus</i>        | 3  | Not found Oct/80 |
| 50066 | Uganda Freisian    | 10 km E    | Myppolonga | SI54/13 | 35 23 | 138 30 | May/80 | 1550 | <i>Onthophagus taurus</i>        | 3  | Not found Mar/81 |
| 50067 | Brixton            | 5 km E     | Myppolonga | SI54/13 | 35 23 | 138 31 | Jun/82 | 850  | <i>Onthophagus taurus</i>        | 3  |                  |
| 50067 | Brixton            | 5 km E     | Myppolonga | SI54/13 | 35 23 | 138 31 | Feb/82 | 1000 | <i>Onthophagus taurus</i>        | 3  |                  |
| 50067 | Brixton            | 5 km E     | Myppolonga | SI54/13 | 35 23 | 138 31 | Jan/81 | 500  | <i>Onthophagus taurus</i>        | 3  |                  |
| 20017 | Bundacree          | 6 km SE    | Nabiac     | SH56/14 | 32 8  | 152 24 | Jan/74 | 500  | <i>Onthophagus gazella</i>       | C  | Not found Mar/81 |
| 20017 | Bundacree          | 6 km SE    | Nabiac     | SH56/14 | 32 8  | 152 24 | Aug/72 | 531  | <i>Onthophagus gazella</i>       | C  | Not found Mar/81 |
| 20017 | Bundacree          | 6 km SE    | Nabiac     | SH56/14 | 32 8  | 152 24 |        |      | <i>Hister nomas</i>              |    | Found Dec/76     |
| 20017 | Bundacree          | 6 km SE    | Nabiac     | SH56/14 | 32 8  | 152 24 |        |      | <i>Euoniticeilus intermedius</i> |    | Found Mar/81     |
| 20017 | Bundacree          | 6 km SE    | Nabiac     | SH56/14 | 32 8  | 152 24 | Jan/74 | 500  | <i>Onitis alexis</i>             | C  | Not found Mar/81 |
| 20429 | Recovery Area      | 2 km ENE   | Nabiac     | SH56/14 | 32 6  | 152 33 |        |      | <i>Hister nomas</i>              |    | Found Dec/76     |
| 20734 | Recovery Area      | 21 km S    | Nabiac     | SI56/2  | 32 15 | 152 19 |        |      | <i>Euoniticeilus intermedius</i> |    | Found Mar/81     |
| 20735 | Recovery Area      | 13 km WNW  | Nabiac     | SI56/2  | 32 01 | 152 11 |        |      | <i>Euoniticeilus intermedius</i> |    | Found Dec/76     |
| 20735 | Recovery Area      | 13 km WNW  | Nabiac     | SI56/2  | 32 05 | 152 17 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 40047 | Alkira Stud        | 24 km SW   | Nambour    | SG56/10 | 26 37 | 152 55 | May/73 | 450  | <i>Euoniticeilus intermedius</i> | C  | Found Feb/82     |
| 40192 | Eerwah Vale        | 5 km N     | Nambour    | SG56/10 | 26 34 | 152 57 | Apr/75 | 500  | <i>Onitis alexis</i>             | C  | Found Feb/82     |
| 40280 | McPherson (Mr)     | 20 km N    | Nambour    | SG56/10 | 26 27 | 152 57 | Feb/76 | 500  | <i>Onitis vanderkelleni</i>      | C  | Found Feb/82     |
| 40044 | Rathburnie         | 25 km ESE  | Nanango    | SG56/10 | 26 45 | 152 13 | May/73 | 450  | <i>Onthophagus gazella</i>       | C  | Found Nov/76     |

|       |                |           |            |         |       |        |        |      |                                  |    |                  |
|-------|----------------|-----------|------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 40044 | Rathburnie     | 25 km ESE | Nanango    | SG56/10 | 26 45 | 152 13 | May/73 | 450  | <i>Euoniticellus intermedius</i> | C  | Found Nov/76     |
| 40045 | Kildale        | 40 km SW  | Nanango    | SH56/10 | 26 50 | 151 50 |        |      | <i>Onthophagus gazella</i>       |    | Found Nov/76     |
| 40045 | Kildale        | 40 km SE  | Nanango    | SG56/10 | 26 50 | 151 50 |        |      | <i>Euoniticellus intermedius</i> |    |                  |
| 40286 | Addresses Farm | 7 km N    | Nanango    | SG56/10 | 26 37 | 152 1  | Nov/76 | 360  | <i>Onitis crenatus</i>           | GP | Found Nov/79     |
| 40286 | Addresses Farm | 7 km N    | Nanango    | SG56/10 | 26 37 | 152 1  |        |      | <i>Onthophagus gazella</i>       | C  | Found Nov/79     |
| 40286 | Addresses Farm | 7 km N    | Nanango    | SG56/10 | 26 37 | 152 1  |        |      | <i>Onitis alexis</i>             |    | Found Nov/79     |
| 40286 | Addresses Farm | 7 km N    | Nanango    | SG56/10 | 26 37 | 152 1  |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/79     |
| 40409 | Recovery Area  | 11 km SSW | Nanango    | SG56/10 | 26 46 | 151 58 |        |      | <i>Euoniticellus intermedius</i> | GP | Found Jun/75     |
| 40444 | Recovery Area  | km        | Nanango    | SG56/10 | 26 40 | 152 0  |        |      | <i>Onthophagus gazella</i>       |    | Found Jan/82     |
| 40444 | Recovery Area  | km        | Nanango    | SG56/10 | 26 40 | 152 0  |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 40444 | Recovery Area  | km        | Nanango    | SG56/10 | 26 40 | 152 0  |        |      | <i>Hister nomas</i>              |    | Found Jan/82     |
| 40469 | MtStanley      | 20 km E   | Nanango    | SG56/10 | 26 41 | 152 12 |        |      | <i>Onthophagus gazella</i>       | T  | Found May/71     |
| 40688 | Recovery Area  | 30 km SW  | Nanango    | SG56/10 | 26 53 | 151 57 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/82     |
| 40688 | Recovery Area  | 30 km WSW | Nanango    | SG56/10 | 26 53 | 151 57 |        |      | <i>Onitis alexis</i>             | C  | Found Mar/82     |
| 40689 | Recovery Area  | 23 km NNE | Nanango    | SG56/10 | 26 30 | 152 3  |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/82     |
| 40689 | Recovery Area  | 23 km NNE | Nanango    | SG56/10 | 26 30 | 152 3  |        |      | <i>Onitis alexis</i>             | C  | Found Mar/82     |
| 40689 | Recovery Area  | 23 km NNE | Nanango    | SG56/10 | 26 38 | 152 3  |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82     |
| 60182 | Recovery Area  | 3 km NW   | Nanarup    | SI50/11 | 34 58 | 118 02 |        |      | <i>Onthophagus binodis</i>       | WR | Found Feb/79     |
| 60215 | Beirebellup    | 40 km S   | Nannup     | SI50/10 | 34 15 | 115 44 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR | Not found Oct/80 |
| 50009 | Paringa        | 11 km SE  | Naracoorte | SJ54/6  | 37 2  | 140 50 | Oct/72 | 500  | <i>Onthophagus gazella</i>       | C  | Not found Oct/80 |
| 50010 | Cherookee      | 40 km NNW | Naracoorte | SI54/2  | 36 36 | 140 35 | Dec/72 | 500  | <i>Onthophagus binodis</i>       | WR | Not found Oct/80 |
| 20259 | Henkley        | 14 km S   | Narooma    | SJ56/4  | 36 18 | 150 3  | Jan/70 | 400  | <i>Hister nomas</i>              |    |                  |
| 20259 | Henkley        | 14 km S   | Narooma    | SJ56/4  | 36 18 | 150 3  | Jan/70 | 50   | <i>Hister nomas</i>              |    |                  |
| 20849 | Tilba Tilba    | 20 km SSW | Narooma    | SJ55/04 | 36 19 | 149 03 | Jan/81 | 1000 | <i>Onitis alexis</i>             | C  |                  |
| 20850 | Corunna Lake   | 15 km SSW | Narooma    | SJ56/04 | 36 18 | 150 04 | Jan/81 | 1000 | <i>Onitis alexis</i>             | C  |                  |
| 20851 | Roadside       | 1 km S    | Narooma    | SJ56/04 | 36 11 | 150 03 | Jan/81 | 2000 | <i>Onitis alexis</i>             | C  |                  |
| 20852 | Kianga T.O.    | 5 km N    | Narooma    | SJ56/04 | 36 15 | 150 06 | Jan/81 | 1000 | <i>Onitis alexis</i>             | C  |                  |
| 20001 | Wattle View    | 8 km SE   | Narrabri   | SH55/12 | 30 23 | 149 47 | Mar/74 | 500  | <i>Onitis alexis</i>             | C  | Found Feb/76     |
| 20001 | Wattle View    | 8 km SE   | Narrabri   | SH55/12 | 30 23 | 149 47 | Oct/71 | 506  | <i>Onthophagus binodis</i>       | SR | Found Dec/72     |
| 20001 | Wattle View    | 8 km SE   | Narrabri   | SH55/12 | 30 23 | 149 47 | Dec/73 | 300  | <i>Sisyphus rubrus</i>           |    | Found Feb/76     |
| 20001 | Wattle View    | 8 km SE   | Narrabri   | SH55/12 | 30 23 | 149 47 | Dec/75 | 500  | <i>Onthophagus taurus</i>        | 1  | Not found Jan/82 |
| 20001 | Wattle View    | 8 km SE   | Narrabri   | SH55/12 | 30 23 | 149 47 | Oct/71 | 732  | <i>Euoniticellus africanus</i>   |    | Found Feb/75     |
| 20001 | Wattle View    | 8 km SE   | Narrabri   | SH55/12 | 30 23 | 149 47 | Jan/78 | 500  | <i>Copris fallaciosus</i>        |    | Not found Jan/82 |
| 20001 | Wattle View    | 8 km SE   | Narrabri   | SH55/12 | 30 23 | 149 47 | Apr/78 | 478  | <i>Copris fallaciosus</i>        |    | Not found Jan/82 |
| 20001 | Wattle View    | 8 km SE   | Narrabri   | SH55/12 | 30 23 | 149 47 | Dec/73 | 500  | <i>Onitis alexis</i>             | C  | Found Mar/74     |
| 20001 | Wattle View    | 8 km SE   | Narrabri   | SH55/12 | 30 23 | 149 47 | Dec/71 | 512  | <i>Euoniticellus intermedius</i> |    | Found Feb/75     |
| 20001 | Wattle View    | 8 km SE   | Narrabri   | SH55/12 | 30 23 | 149 47 | Dec/78 | 1000 | <i>Copris fallaciosus</i>        |    | Not found Jan/82 |
| 20001 | Wattle View    | 8 km SE   | Narrabri   | SH55/12 | 30 23 | 149 47 | Oct/75 | 100  | <i>Hister nomas</i>              |    | Not found Jan/82 |
| 20380 | Recovery Area  | 45 km SE  | Narrabri   | SH55/16 | 30 36 | 149 58 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 20381 | Recovery Area  | 30 km SE  | Narrabri   | SH55/12 | 30 31 | 149 56 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 20382 | Recovery Area  | 30 km N   | Narrabri   | SH55/12 | 30 4  | 149 47 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 20383 | Bellata        | 45 km N   | Narrabri   | SH55/12 | 29 56 | 149 47 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |

| Index | Property       | Location  | Town       | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|----------------|-----------|------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20456 | Recovery Area  | 12 km W   | Narrabri   | SH55/12 | 30 18 | 149 43 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/77     |
| 20456 | Recovery Area  | 12 km W   | Narrabri   | SH55/12 | 30 18 | 148 43 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Feb/77     |
| 20456 | Recovery Area  | 12 km W   | Narrabri   | SH55/12 | 30 18 | 149 43 |        |      | <i>Onitis alexis</i>             | C  | Found Feb/77     |
| 20456 | Recovery Area  | 12 km W   | Narrabri   | SH55/12 | 30 18 | 149 36 |        |      | <i>Euoniticellus africanus</i>   | C  | Found Feb/77     |
| 20457 | Myall Vale     | 30 km NW  | Narrabri   | SH55/12 | 30 14 | 149 33 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/77     |
| 20457 | Myall Vale     | 30 km NW  | Narrabri   | SH55/12 | 30 14 | 149 33 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Feb/77     |
| 20457 | Myall Vale     | 30 km NW  | Narrabri   | SH55/12 | 30 14 | 149 33 |        |      | <i>Onitis alexis</i>             | C  | Found Feb/77     |
| 20490 | Recovery Area  | 30 km NE  | Narrabri   | SH56/9  | 30 11 | 150 0  |        |      | <i>Euoniticellus intermedius</i> | C  | Found Jan/77     |
| 20491 | Recovery Area  | 60 km NE  | Narrabri   | SH56/9  | 30 3  | 150 15 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Jan/77     |
| 20524 | Recovery Area  | 10 km SW  | Narrabri   | SH55/12 | 30 18 | 149 36 |        |      | <i>Onthophagus gazella</i>       | C  | Found Dec/78     |
| 20524 | Recovery Area  | 10 km SW  | Narrabri   | SH55/12 | 30 18 | 149 36 |        |      | <i>Euoniticellus africanus</i>   | C  | Found Dec/78     |
| 20524 | Recovery Area  | 10 km SW  | Narrabri   | SH55/12 | 30 18 | 149 36 |        |      | <i>Onitis alexis</i>             | C  | Found Dec/78     |
| 20524 | Recovery Area  | 10 km SW  | Narrabri   | SH55/12 | 30 18 | 149 36 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Dec/78     |
| 20548 | Recovery Area  | 43 km NE  | Narrabri   | SH56/9  | 30 07 | 150 09 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Jan/78     |
| 20548 | Recovery Area  | 43 km NE  | Narrabri   | SH56/9  | 30 07 | 150 09 |        |      | <i>Onitis alexis</i>             | C  | Found Jan/78     |
| 20548 | Recovery Area  | 43 km NE  | Narrabri   | SH56/9  | 30 07 | 150 09 |        |      | <i>Euoniticellus africanus</i>   | C  | Found Jan/78     |
| 20707 | Tralee         | km        | Narrabri   | SH55/12 | 30 20 | 149 46 |        |      | <i>Onthophagus gazella</i>       | C  | Found Jan/82     |
| 20707 | Tralee         | km        | Narrabri   | SH55/12 | 30 20 | 149 46 |        |      | <i>Onitis alexis</i>             | C  | Found Jan/82     |
| 20707 | Tralee         | km        | Narrabri   | SH55/12 | 30 20 | 149 46 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Jan/82     |
| 20708 | Recovery Area  | 10 km N   | Narrabri   | SH55/12 | 30 16 | 149 48 |        |      | <i>Onthophagus gazella</i>       | C  | Found Jan/82     |
| 20708 | Recovery Area  | 10 km N   | Narrabri   | SH55/12 | 30 16 | 149 48 |        |      | <i>Onitis alexis</i>             | C  | Found Jan/82     |
| 20661 | Recovery Area  | 1 km NW   | Narrandera | SI55/10 | 34 45 | 146 32 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Jan/82     |
| 60062 | Mareeba        | 50 km SSW | Narrogin   | SI50/7  | 33 20 | 117 0  | May/74 | 500  | <i>Euoniticellus intermedius</i> | 1  | Not found        |
| 60096 | Froomes Farm   | km        | Narrogin   | SI50/3  | 32 56 | 117 10 | Oct/75 | 500  | <i>Onthophagus taurus</i>        | WR | Found Oct/80     |
| 60290 | Strathisla     | 20 km NW  | Narrogin   | SI50/03 | 32 49 | 117 0  | Apr/81 | 230  | <i>Onitis aygulus</i>            | WR | Found Apr/82     |
| 60290 | Strathisla     | 20 km NW  | Narrogin   | SI50/03 | 32 49 | 117 0  | Sep/81 | 133  | <i>Onitis aygulus</i>            | WR | Found Apr/82     |
| 60290 | Strathisla     | 20 km NW  | Narrogin   | SI50/03 | 32 49 | 117 0  | Mar/81 | 362  | <i>Onitis aygulus</i>            | WR | Found Apr/82     |
| 60290 | Strathisla     | 20 km NW  | Narrogin   | SI50/03 | 32 49 | 117 0  | Mar/81 | 320  | <i>Onitis aygulus</i>            | WR | Found Apr/82     |
| 60340 | Williams Road  | 15 km W   | Narrogin   | SI50/03 | 32 59 | 117 04 |        |      | <i>Euoniticellus pallipes</i>    | 2  | Found Apr/82     |
| 60341 | Brookton Road  | 2 km N    | Narrogin   | SI50/03 | 32 54 | 117 11 |        |      | <i>Euoniticellus pallipes</i>    | 2  | Found Apr/82     |
| 20153 | Doonside       | 48 km W   | Narramine  | SI55/3  | 32 15 | 147 49 | Dec/74 | 500  | <i>Euoniticellus intermedius</i> | C  | Found Feb/82     |
| 20215 | (Road Release) | 9 km E    | Narramine  | SI55/3  | 32 16 | 148 21 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20215 | (Road Release) | 9 km E    | Narramine  | SI55/3  | 32 16 | 148 21 | Feb/75 | 260  | <i>Onitis alexis</i>             | C  | Found Feb/82     |
| 20215 | (Road Release) | 9 km E    | Narramine  | SI55/3  | 32 16 | 148 21 | Feb/75 | 740  | <i>Euoniticellus africanus</i>   | C  | Not found Feb/82 |
| 20215 | (Road Release) | 9 km E    | Narramine  | SI55/3  | 32 16 | 148 21 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> | C  | Found Feb/82     |
| 20216 | (Road Release) | 26 km E   | Narramine  | SI55/4  | 32 13 | 148 30 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20216 | (Road Release) | 26 km E   | Narramine  | SI55/4  | 32 13 | 148 30 |        |      | <i>Onitis alexis</i>             | C  | Found Feb/82     |
| 20216 | (Road Release) | 26 km E   | Narramine  | SI55/4  | 32 13 | 148 30 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   | C  | Not found Feb/82 |
| 20216 | (Road Release) | 26 km E   | Narramine  | SI55/4  | 32 13 | 148 30 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> | C  | Found Feb/82     |
| 20216 | (Road Release) | 26 km E   | Narramine  | SI55/4  | 32 13 | 148 30 | Feb/75 | 740  | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20748 | Recovery Area  | 8 km NW   | Narramine  | SI55/3  | 32 12 | 148 11 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |



|       |                |           |                       |         |       |        |        |      |                                  |    |                  |
|-------|----------------|-----------|-----------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20748 | Recovery Area  | 8 km NW   | Narramine             | SI55/3  | 32 12 | 148 11 | Jan/75 | 500  | <i>Onitis alexis</i>             | C  | Found Feb/82     |
| 50025 | Swanlake       | 21 km SSE | Narrung               | SI54/13 | 35 40 | 139 10 | Apr/80 | 2400 | <i>Euoniticellus intermedius</i> | 3  | Not found Mar/81 |
| 50025 | Swanlake       | 21 km SSE | Narrung               | SI54/13 | 35 40 | 139 10 | Mar/80 | 2000 | <i>Euoniticellus pallipes</i>    | 3  | Not found Oct/80 |
| 50058 | Harvest Lodge  | 1 km SE   | Narrung               | SI54/13 | 35 31 | 139 11 | Mar/80 | 1400 | <i>Euoniticellus pallipes</i>    | 3  | Not found Mar/81 |
| 50059 | Jolrae         | 6 km SE   | Narrung               | SI54/13 | 35 32 | 139 13 | Mar/80 | 1000 | <i>Euoniticellus pallipes</i>    | 3  | Not found Mar/81 |
| 50059 | Jolrae         | 6 km SE   | Narrung               | SI54/13 | 35 32 | 139 13 | Apr/80 | 2400 | <i>Euoniticellus pallipes</i>    | 3  | Not found Mar/81 |
| 50060 | Yalkuri        | 10 km SW  | Narrung               | SI54/13 | 35 36 | 139 6  | Oct/73 | 500  | <i>Onthophagus gazella</i>       | GP | Found Apr/75     |
| 40069 | (Road Release) | 50 km SSE | Nebo                  | SF55/12 | 22 3  | 148 58 | Feb/80 | 2000 | <i>Sisyphus rubrus</i>           | GP | Found Apr/75     |
| 40150 | (Road Release) | 3 km S    | Nebo                  | SF55/8  | 21 43 | 148 42 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> | GP | Found Apr/75     |
| 40150 | (Road Release) | 3 km S    | Nebo                  | SF55/8  | 21 43 | 148 42 | Apr/74 | 500  | <i>Onthophagus gazella</i>       | GP | Not found        |
| 40150 | (Road Release) | 3 km S    | Nebo                  | SF55/7  | 21 32 | 148 16 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> | GP | Found Feb/75     |
| 40151 | (Road Release) | 60 km WNW | Nebo                  | SF55/7  | 21 32 | 148 16 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> | GP | Found Feb/75     |
| 40151 | (Road Release) | 60 km WNW | Nebo                  | SF55/7  | 21 32 | 148 16 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> | GP | Found Feb/75     |
| 40157 | (Road Release) | 30 km ESE | Nebo                  | SF55/8  | 21 48 | 148 57 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> | GP | Found Feb/82     |
| 40158 | (Road Release) | 55 km SSE | Nebo                  | SF55/8  | 21 48 | 148 57 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> | GP | Found Feb/82     |
| 40235 | Hamilton Park  | 25 km SSE | Nebo                  | SF55/12 | 22 6  | 149 0  | Jan/71 | 1000 | <i>Onthophagus gazella</i>       | T  | Not found        |
| 40633 | Recovery Area  | 19 km SW  | Nebo                  | SF55/8  | 21 53 | 148 56 | May/73 | 500  | <i>Onthophagus gazella</i>       | C  | Not found        |
| 40633 | Recovery Area  | 19 km SW  | Nebo                  | SF55/8  | 21 51 | 148 38 | May/73 | 500  | <i>Euoniticellus intermedius</i> | C  | Not found        |
| 60027 | Myra           | 11 km SSW | Needilup              | SI50/12 | 34 03 | 118 44 | May/73 | 500  | <i>Hister nomas</i>              | C  | Found Apr/80     |
| 60027 | Myra           | 11 km SSW | Needilup              | SI50/12 | 34 03 | 118 44 | May/73 | 500  | <i>Oritis alexis</i>             | C  | Found Apr/80     |
| 20595 | Recovery Area  | 5 km SE   | Nelligen              | SI56/13 | 35 40 | 150 07 |        |      | <i>Hister nomas</i>              | C  | Found Apr/80     |
| 20595 | Recovery Area  | 5 km SE   | Nelligen              | SI56/13 | 35 40 | 150 07 |        |      | <i>Oritis alexis</i>             | C  | Found Apr/80     |
| 20596 | Recovery Area  | 5 km WSW  | Nelligen              | SI56/13 | 35 39 | 150 06 |        |      | <i>Hister nomas</i>              | C  | Found Apr/80     |
| 20596 | Recovery Area  | 5 km WSW  | Nelligen              | SI56/13 | 35 39 | 150 06 |        |      | <i>Oritis alexis</i>             | C  | Found Apr/80     |
| 20597 | Recovery Area  | 7 km SSW  | Nelligen              | SI56/13 | 35 41 | 150 07 |        |      | <i>Oritis alexis</i>             | C  | Found Apr/80     |
| 20597 | Recovery Area  | 7 km SSW  | Nelligen              | SI56/13 | 35 41 | 150 07 |        |      | <i>Hister nomas</i>              | WR | Found Apr/80     |
| 20700 | Sassafras      | 21 km E   | Nerriga               | SI56/13 | 35 06 | 150 16 |        |      | <i>Onthophagus binodis</i>       | WR | Found Mar/82     |
| 20700 | Sassafras      | 21 km E   | Nerriga               | SI56/13 | 35 06 | 150 16 |        |      | <i>Hister nomas</i>              | WR | Found Mar/82     |
| 20701 | Recovery Area  | 9 km SSW  | Nerriga               | SI56/13 | 35 11 | 150 03 | Feb/76 | 500  | <i>Onthophagus binodis</i>       | WR | Found Mar/82     |
| 20203 | (Road Release) | 5 km NW   | Nevertire             | SH55/15 | 31 48 | 147 40 | Feb/75 | 740  | <i>Oritis alexis</i>             | C  | Found Feb/76     |
| 20203 | (Road Release) | 5 km NW   | Nevertire             | SH55/15 | 31 48 | 147 48 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> | C  | Found Feb/76     |
| 20203 | (Road Release) | 5 km NW   | Nevertire             | SH55/15 | 31 48 | 147 40 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   | C  | Found Feb/76     |
| 20204 | (Road Release) | 20 km NW  | Nevertire             | SH55/15 | 31 44 | 147 31 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   | C  | Found Feb/76     |
| 20204 | (Road Release) | 20 km NW  | Nevertire             | SH55/15 | 31 44 | 147 31 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> | C  | Found Jan/82     |
| 20481 | Recovery Area  | 8 km NW   | Nevertire (Nyngan Rd) | SH55/15 | 31 46 | 147 38 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Jan/82     |
| 20482 | Recovery Area  | 12 km NW  | Nevertire (Nyngan Rd) | SH55/15 | 31 45 | 147 37 |        |      | <i>Euoniticellus intermedius</i> | C  | Found May/82     |
| 20483 | Recovery Area  | 24 km NW  | Nevertire (Nyngan Rd) | SH55/15 | 31 38 | 147 26 |        |      | <i>Euoniticellus intermedius</i> | C  | Found May/82     |
| 20484 | Recovery Area  | 52 km NW  | Nevertire (Nyngan Rd) | SH55/15 | 31 26 | 147 20 |        |      | <i>Euoniticellus intermedius</i> | C  | Found May/82     |
| 60318 | Recovery Area  | 11 km N   | New Norcia            | SH50/10 | 30 52 | 116 15 |        |      | <i>Euoniticellus intermedius</i> | WR | Found May/82     |
| 60319 | Recovery Area  | 6 km S    | New Norcia            | SH50/14 | 31 01 | 116 12 |        |      | <i>Euoniticellus intermedius</i> | WR | Found May/82     |
| 60348 | Calingiri Road | 37 km S   | New Norcia            | SH56/14 | 31 10 | 116 12 | Feb/81 | 1000 | <i>Euoniticellus intermedius</i> | WR | Found May/82     |
| 70016 | Whitehall      | km        | New Norfolk           | SK55/08 | 42 46 | 147 03 | Feb/81 | 1000 | <i>Onthophagus binodis</i>       | WR | Found May/82     |

| Index | Property           | Location   | Town                 | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|--------------------|------------|----------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20021 | Durness            | 48 km NE   | Newcastle            | SI56/2  | 32 40 | 152 09 | Sep/72 | 500  | <i>Onthophagus gazella</i>       | C  | Found Mar/76     |
| 20021 | Durness            | 48 km NE   | Newcastle            | SI56/2  | 32 40 | 152 09 | Dec/75 | 80   | <i>Onitis alexis</i>             | T  | Not found Mar/81 |
| 20021 | Durness            | 48 km NE   | Newcastle            | SI56/2  | 32 40 | 152 09 | Dec/75 | 1200 | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20021 | Durness            | 48 km NE   | Newcastle            | SI56/2  | 32 40 | 152 09 | Apr/74 | 430  | <i>Onitis alexis</i>             | C  | Not found Mar/81 |
| 20021 | Durness            | 48 km NE   | Newcastle            | SI56/2  | 32 40 | 152 09 |        |      | <i>Hister nomas</i>              |    | Found Mar/76     |
| 80013 | Wave Hill Stn      | 235 km W   | Newcastle Waters     | SE52/8  | 17 29 | 130 57 | Feb/71 | 1000 | <i>Onthophagus gazella</i>       | T  |                  |
| 80013 | Wave Hill Stn      | 245 km W   | Newcastle Waters     | SE52/8  | 17 29 | 130 57 | May/73 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 80056 | Cattle Creek OS    | 200 km WSW | Newcastle Waters     | SE52/8  | 17 35 | 131 34 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 80160 | Newcastle Creek    | 13 km N    | Newcastle Waters     | SE53/5  | 17 20 | 133 25 |        |      | <i>Onthophagus gazella</i>       | GP | Found Apr/77     |
| 80160 | Newcastle Creek    | 13 km N    | Newcastle Waters     | SE53/5  | 17 20 | 133 25 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/77     |
| 80266 | Tandyidgee W.H.    | km         | Newcastle Waters Stn | SE53/06 | 17 47 | 133 50 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/80     |
| 80266 | Tandyidgee W.H.    | km         | Newcastle Waters Stn | SE53/06 | 17 47 | 133 50 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/80     |
| 80267 | No. 7 Stock Rt. B. | km         | Newcastle Waters Stn | SE53/06 | 17 39 | 133 42 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/80     |
| 80268 | Spell P. + Tent P  | km         | Newcastle Waters Stn | SE53/06 | 17 20 | 133 31 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/80     |
| 80268 | Spell P. + Tent P  | km         | Newcastle Waters Stn | SE53/06 | 17 20 | 133 31 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/80     |
| 80269 | Causeway D. etc.   | km         | Newcastle Waters Stn | SE53/05 | 17 14 | 133 25 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/80     |
| 80269 | Causeway D. etc.   | km         | Newcastle Waters Stn | SE53/05 | 17 14 | 133 25 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/80     |
| 60047 | Mt Augustus Stn    | 215 km SW  | Newman               | SG50/2  | 24 18 | 116 55 | Apr/71 | 1000 | <i>Onthophagus gazella</i>       | T  |                  |
| 60047 | Mt Augustus Stn    | 215 km SW  | Newman               | SG50/2  | 24 18 | 116 55 | Nov/73 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 60048 | Woodlands Stn      | 173 km SSW | Newman               | SG50/3  | 24 49 | 118 6  | Nov/73 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 60064 | Mt Vernon 1        | 95 km SSW  | Newman               | SG60/4  | 24 13 | 118 39 | Dec/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 60065 | Mt Vernon 2        | 110 km SE  | Newman               | SG50/3  | 24 2  | 117 57 | Dec/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 60087 | Ethel Creek        | 70 km NE   | Newman               | SF51/9  | 22 54 | 120 10 | Feb/71 | 2000 | <i>Onthophagus gazella</i>       | T  |                  |
| 60087 | Ethel Creek        | 70 km NE   | Newman               | SF51/9  | 22 54 | 120 10 |        |      | <i>Euoniticellus intermedius</i> |    | Found Sep/78     |
| 60144 | Bonney Downs       | 135 NNE    | Newman               | SF50/1  | 22 11 | 119 56 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jul/77     |
| 60145 | Roy Hill           | 85 km NNE  | Newman               | SF50/12 | 22 37 | 119 57 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jul/77     |
| 20108 | Dalmorton          | 3 km N     | Newton Boyd          | SH56/6  | 29 45 | 152 15 | Jan/74 | 500  | <i>Euoniticellus intermedius</i> | C  |                  |
| 80033 | Yirrkala (Gove)    | 17 km SE   | Nhulunbuy            | SD53/4  | 12 15 | 136 53 | Oct/73 | 100  | <i>Onthophagus gazella</i>       | GP |                  |
| 80034 | Elcho Island       | 130 km WNW | Nhulunbuy            | SD53/3  | 12 2  | 135 34 | Oct/73 | 100  | <i>Onthophagus gazella</i>       | GP |                  |
| 80034 | Elcho Island       | 130 km WNW | Nhulunbuy            | SD53/3  | 12 2  | 135 34 | May/73 | 200  | <i>Onthophagus gazella</i>       | T  |                  |
| 80035 | Millingimbi Is.    | 205 km W   | Nhulunbuy            | SD53/2  | 12 7  | 134 55 | Oct/73 | 100  | <i>Onthophagus gazella</i>       | GP |                  |
| 80035 | Millingimbi Island | 205 km W   | Nhulunbuy            | SD53/2  | 12 7  | 134 55 | May/73 | 200  | <i>Onthophagus gazella</i>       | T  |                  |
| 80036 | Millingimbi L.     | 210 km W   | Nhulunbuy            | SD53/2  | 12 10 | 134 53 | Oct/73 | 100  | <i>Onthophagus gazella</i>       | GP |                  |
| 80036 | Millingimbi L.     | 210 km W   | Nhulunbuy            | SD53/2  | 12 10 | 134 53 | May/73 | 200  | <i>Onthophagus gazella</i>       | T  |                  |
| 80223 | (Road Release)     | km         | Nhulunbuy            | SD53/4  | 12 11 | 136 47 | Oct/73 | 100  | <i>Onthophagus gazella</i>       | GP |                  |
| 80223 | (Road Release)     | km         | Nhulunbuy            | SD53/4  | 12 11 | 136 47 | May/73 | 200  | <i>Onthophagus gazella</i>       | T  |                  |
| 20149 | Linden Vale        | 6 km N     | Nimbin               | SH56/3  | 28 34 | 153 10 | Dec/74 | 500  | <i>Onthophagus gazella</i>       | C  |                  |
| 20560 | Nandawar           | 22 km NNE  | Nimmitabel           | SJ55/4  | 36 20 | 149 22 | Oct/79 | 1000 | <i>Onthophagus gazella</i>       | I  | Found May/83     |
| 20573 | Yandra             | 7 km W     | Nimmitabel           | SI56/13 | 36 31 | 149 12 | Jan/80 | 1000 | <i>Georupes spiniger</i>         | I  |                  |
| 20185 | (Road Release)     | 35 km NE   | Noonan Flat          | SH56/14 | 31 43 | 151 26 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    |                  |

|       |                   |            |                |         |       |        |        |      |                                  |    |                  |
|-------|-------------------|------------|----------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20186 | (Road Release)    | 16 km NE   | Noonan Flat    | SH56/13 | 31 48 | 151 21 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   | WR | Found Dec/78     |
| 20187 | (Road Release)    | 3 km W     | Noonan Flat    | SH56/13 | 31 55 | 151 12 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   | SR | Found Dec/78     |
| 20188 | (Road Release)    | 21 km W    | Noonan Flat    | Sh56/13 | 31 59 | 151 7  | Feb/75 | 260  | <i>Euoniticellus africanus</i>   | C  | Found Dec/78     |
| 4     | Overseas Series   |            | Norfolk Island |         |       |        | Sep/72 | 500  | <i>Onthophagus binodis</i>       |    | Found Feb/77     |
| 4     | Overseas Series   |            | Norfolk Island |         |       |        | Jul/75 | 747  | <i>Onthophagus binodis</i>       |    | Found Dec/78     |
| 4     | Overseas Series   |            | Norfolk Island |         |       |        | Sep/72 | 500  | <i>Onthophagus gazella</i>       |    | Found Dec/78     |
| 4     | Overseas Series   |            | Norfolk Island |         |       |        | Jul/75 | 560  | <i>Onthophagus nigrivertris</i>  |    | Found Dec/78     |
| 4     | Overseas Series   |            | Norfolk Island |         |       |        | Nov/77 | 500  | <i>Onitis vanderkelleni</i>      |    | Found Dec/78     |
| 4     | Overseas Series   |            | Norfolk Island |         |       |        | May/74 | 400  | <i>Euoniticellus africanus</i>   |    | Found Dec/78     |
| 4     | Overseas Series   |            | Norfolk Island |         |       |        | May/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Dec/78     |
| 4     | Overseas Series   |            | Norfolk Island |         |       |        | May/74 | 400  | <i>Onitis alexis</i>             | C  | Found Dec/78     |
| 4     | Overseas Series   |            | Norfolk Island |         |       |        | May-74 | 110  | <i>Onthophagus binodis</i>       | WR | Found Dec/78     |
| 40024 | Magowra           | 27 km SSW  | Normanton      | SE54/6  | 17 47 | 140 53 | Jan/70 | 976  | <i>Onthophagus gazella</i>       | T  | Found Feb/75     |
| 40024 | Magowra           | 27 km SSW  | Normanton      | SE54/6  | 17 47 | 140 53 | Jan/73 | 300  | <i>Sisyphus spinipes</i>         | T  | Found Feb/75     |
| 40024 | Magowra           | 27 km SSW  | Normanton      | SE54/6  | 17 47 | 140 53 | Nov/75 | 500  | <i>Onitis alexis</i>             | T  | Found Feb/75     |
| 40024 | Magowra           | 27 km SSW  | Normanton      | SE54/6  | 17 47 | 140 53 | Dec/72 | 300  | <i>Hister calidus</i>            | T  | Found Feb/75     |
| 40163 | Mitchell R. Mis.  | 255 km NNE | Normanton      | SD54/15 | 15 30 | 141 45 | Apr/69 | 2414 | <i>Onthophagus gazella</i>       | T  | Found Feb/75     |
| 40163 | Mitchell R. Mis.  | 255 km NNE | Normanton      | SD54/15 | 15 30 | 141 45 | Apr/69 | 384  | <i>Onthophagus sagittarius</i>   | T  | Found Oct/76     |
| 40163 | Mitchell R. Mis.  | 255 km NNE | Normanton      | SD54/15 | 15 30 | 141 45 | Apr/69 | 1146 | <i>Euoniticellus intermedius</i> | T  | Found Oct/76     |
| 40163 | Mitchell R. Mis.  | 255 km NNE | Normanton      | SD54/15 | 15 30 | 141 45 | Apr/69 | 280  | <i>Liatongus militaris</i>       | GP | Found Oct/76     |
| 40199 | Delta Downs       | 80 km NNE  | Normanton      | SE54/3  | 17 0  | 141 19 | Feb/70 | 1000 | <i>Onthophagus gazella</i>       | T  | Found Oct/76     |
| 40199 | Delta Downs       | 80 km NNE  | Normanton      | SE54/3  | 17 0  | 141 19 | Feb/70 | 120  | <i>Onthophagus gazella</i>       | T  | Found Oct/76     |
| 40204 | Iffley            | 135 km S   | Normanton      | SE54/11 | 18 52 | 141 12 | Feb/70 | 1000 | <i>Onthophagus sagittarius</i>   | T  | Found Oct/76     |
| 40204 | Iffley            | 135 km S   | Normanton      | SE54/11 | 18 52 | 141 12 | Feb/70 | 100  | <i>Liatongus militaris</i>       | T  | Found Oct/76     |
| 40204 | Iffley            | 135 km S   | Normanton      | SE54/11 | 18 52 | 141 12 | Feb/70 | 110  | <i>Onthophagus sagittarius</i>   | T  | Found Oct/76     |
| 40211 | Dunbar            | 235 km NNE | Normanton      | SE54/3  | 16 3  | 142 23 | Mar/70 | 1000 | <i>Liatongus militaris</i>       | T  | Found Oct/76     |
| 40212 | Inkerman          | 170 km NNE | Normanton      | SE54/3  | 16 14 | 141 25 | Mar/70 | 1000 | <i>Onthophagus gazella</i>       | T  | Found Oct/76     |
| 40324 | Recovery Area     | 76 km SE   | Normanton      | SE54/7  | 17 59 | 141 35 | Mar/70 | 1000 | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 40325 | Recovery Area     | 26 km SSE  | Normanton      | SE54/7  | 17 53 | 141 9  | Mar/70 | 1000 | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 40326 | Recovery Area     | 16 km SSW  | Normanton      | SE54/7  | 17 48 | 141 1  | Mar/70 | 1000 | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 40327 | Recovery Area     | 48 km SSW  | Normanton      | SE54/10 | 18 1  | 140 53 | Mar/70 | 1000 | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 40328 | Recovery Area     | 64 km SSW  | Normanton      | SE54/10 | 18 10 | 140 52 | Mar/70 | 1000 | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 40329 | Inverleigh        | 65 km SW   | Normanton      | SE54/10 | 18 0  | 140 34 | Mar/70 | 1000 | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 40484 | Recovery Area     | km         | Normanton      | SE54/7  | 17 40 | 141 4  | Mar/70 | 1000 | <i>Onthophagus gazella</i>       | GP | Found May/76     |
| 60014 | Yalanbee Exp. St. | 20 km WSW  | Northam        | SH50/14 | 31 45 | 116 27 | Sep/76 | 900  | <i>Onthophagus taurus</i>        | 1  | Not found Feb/82 |
| 60014 | Yalanbee Exp. St  | 20 km WSW  | Northam        | SH50/14 | 31 45 | 116 27 | Sep/76 | 900  | <i>Euoniticellus pallipes</i>    | 2  | Found Feb/82     |
| 60014 | Yalanbee Exp. St  | 20 km WSW  | Northam        | SH50/14 | 31 45 | 116 27 | Dec/72 | 500  | <i>Euoniticellus intermedius</i> | 1  | Not found Feb/82 |
| 60097 | (Road Release)    | 11 km NW   | Northam        | SH50/14 | 31 37 | 116 33 | Sep/76 | 900  | <i>Onthophagus taurus</i>        | 1  | Not found Feb/82 |
| 60097 | (Road Release)    | 11 km NW   | Northam        | SH50/14 | 31 37 | 116 35 | Sep/76 | 900  | <i>Euoniticellus intermedius</i> | 1  | Found Feb/82     |
| 60146 | Dep. Ag. Res. Stn | 9 km SW    | Northam        | SH50/14 | 31 43 | 116 44 | Nov/77 | 800  | <i>Onthophagus taurus</i>        | 2  | Found Jan/79     |
| 60146 | Dep. Ag. Res. Stn | 9 km SW    | Northam        | SH50/14 | 31 43 | 116 44 | Nov/77 | 700  | <i>Onthophagus taurus</i>        | 2  | Found Jan/79     |

| Index | Property          | Location  | Town            | Map          | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|-------------------|-----------|-----------------|--------------|-------|--------|--------|------|----------------------------------|----|------------------|
| 60146 | Dep. Ag. Res. Stn | 9 km SW   | Northam         | SH50/14      | 31 42 | 116 44 | Nov/77 | 1050 | <i>Onthophagus taurus</i>        | 2  | Found Jan/79     |
| 60146 | Dep. Ag. Res. Stn | 9 km SW   | Northam         | SH50/14      | 31 43 | 116 44 | Nov/78 | 645  | <i>Onitis alexis</i>             | C  | Found Feb/81     |
| 60284 | Recovery Area     | 18 km S   | Northam         | SH50/14      | 31 47 | 116 45 |        |      | <i>Onitis alexis</i>             | C  | Found Feb/81     |
| 60328 | Muresk Ag. Coll.  | 4 km SW   | Northam         | SH50/14      | 31 43 | 116 40 |        |      | <i>Onitis alexis</i>             | 2  | Found Mar/82     |
| 60328 | Muresk Ag. Coll.  | 4 km SW   | Northam         | SH50/14      | 31 43 | 116 40 |        |      | <i>Euoniticellus pallipes</i>    | 2  | Found Mar/82     |
| 60353 | Nundah            | 11 km NW  | Northam         | SH50/14      | 31 38 | 116 38 | Jul/83 | 292  | <i>Onitis caffer</i>             | WR | Found Mar/82     |
| 60353 | Nundah            | 11 km NW  | Northam         | SH50/14      | 31 38 | 116 38 | Jun/83 | 292  | <i>Onitis caffer</i>             | WR |                  |
| 60353 | Nundah            | 11 km NW  | Northam         | SH50/14      | 31 38 | 116 38 | May/83 | 250  | <i>Onitis caffer</i>             | WR |                  |
| 60160 | Coolooloo         | 8 km NW   | Northampton     | SH50/1       | 28 20 | 114 34 | Nov/78 | 800  | <i>Euoniticellus pallipes</i>    | 2  |                  |
| 60160 | Coolooloo         | 8 km NW   | Northampton     | SH50/1       | 28 20 | 114 34 | Dec/78 | 550  | <i>Euoniticellus pallipes</i>    | 2  |                  |
| 60160 | Coolooloo         | 8 km NW   | Northampton     | SH50/1       | 28 20 | 114 34 | Oct/78 | 530  | <i>Euoniticellus pallipes</i>    | 2  |                  |
| 60168 | Recovery Area     | 4 km N    | Northampton     | SH50/1       | 28 18 | 114 38 |        |      | <i>Onitis alexis</i>             | C  | Found Dec/78     |
| 60210 | Spring Valley     | 9 km N    | Northcliffe     | SI50/9       | 34 34 | 116 09 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR |                  |
| 60211 | Jay (Mr R.)       | 7 km W    | Northcliffe     | SI50/10      | 34 38 | 116 02 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR |                  |
| 60212 | Maccagodenae      | 3 km E    | Northcliffe     | SI50/10      | 34 40 | 116 08 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR |                  |
| 60273 | Howell S.         | 3 km E    | Northcliffe     | SI50/10      | 34 38 | 116 11 | Dec/82 | 1000 | <i>Euoniticellus fuvus</i>       | 1  |                  |
| 60273 | Howell S.         | 3 km E    | Northcliffe     | SI50/10      | 34 36 | 116 11 | Dec/82 | 1000 | <i>Euoniticellus fuvus</i>       | 1  |                  |
| 60169 | Recovery Area     | 2 km N    | Northern Gully  | SH50/1       | 28 41 | 114 56 |        |      | <i>Onitis alexis</i>             | C  | Found Dec/78     |
| 8     | Overseas Series   |           | Noumea          |              |       |        | Dec/78 | 200  | <i>Sisyphus spinipes</i>         |    |                  |
| 8     | Overseas Series   |           | Noumea          | N. Caledonia |       |        | Dec/78 | 2000 | <i>Onthophagus gazella</i>       | T  |                  |
| 8     | Overseas Series   |           | Noumea N. Caled | N. Caledonia |       |        | Dec/78 | 1000 | <i>Liatongus militaris</i>       |    |                  |
| 20262 | Pomona            | 6 km N    | Nowra           | SI56/9       | 34 50 | 150 37 | Mar/70 | 620  | <i>Hister nomas</i>              |    | Found Mar/77     |
| 20474 | Berry             | 15 km NNE | Nowra           | SI56/9       | 34 47 | 150 42 |        |      | <i>Hister nomas</i>              |    | Found Mar/77     |
| 20485 | Five Oaks         | 8 km E    | Nowra           | SI56/9       | 34 52 | 150 40 | Oct/77 | 500  | <i>Onitis pecuarius</i>          | ER | Not found Mar/82 |
| 20485 | Five Oaks         | 8 km E    | Nowra           | SI56/9       | 34 52 | 150 40 | Oct/78 | 500  | <i>Onitis pecuarius</i>          | ER | Not found Mar/82 |
| 20485 | Five Oaks         | 8 km E    | Nowra           | SI56/9       | 34 52 | 150 40 | Apr/82 | 600  | <i>Onthophagus nigriventris</i>  |    |                  |
| 20485 | Five Oaks         | 8 km E    | Nowra           | SI56/9       | 34 52 | 150 40 | May/82 | 500  | <i>Onthophagus nigriventris</i>  |    |                  |
| 20485 | Five Oaks         | 8 km E    | Nowra           | SI56/9       | 34 52 | 150 40 |        |      | <i>Hister nomas</i>              |    | Found Feb/82     |
| 20504 | Recovery Area     | 44 km S   | Nowra           | SI56/13      | 35 0  | 150 40 |        |      | <i>Hister nomas</i>              |    | Found Oct/77     |
| 20830 | Greenwell Pt Rd   | 2 km E    | Nowra           | SI56/09      | 34 51 | 150 36 | Dec/80 | 1000 | <i>Onitis alexis</i>             | C  |                  |
| 20831 | Greenwell Pt Rd   | 8 km E    | Nowra           | SI56/09      | 34 51 | 150 40 | Dec/80 | 1000 | <i>Onitis alexis</i>             | C  |                  |
| 20832 | HIMAS Albatross   | 7 km S    | Nowra           | SI56/09      | 34 54 | 150 37 | Dec/80 | 1000 | <i>Onitis alexis</i>             | C  |                  |
| 20833 | Tomerong          | 19 km S   | Nowra           | SI56/13      | 35 00 | 150 37 | Dec/80 | 1000 | <i>Onitis alexis</i>             | C  |                  |
| 20036 | Benoni            | 8 km NW   | Nundle          | SH56/13      | 31 25 | 151 6  | Dec/76 | 780  | <i>Onitis pecuarius</i>          | SR | Not found Feb/82 |
| 20036 | Benoni            | 8 km NW   | Nundle          | SH56/13      | 31 25 | 151 6  |        |      | <i>Euoniticellus africanus</i>   |    | Found Mar/81     |
| 20036 | Benoni            | 8 km NW   | Nundle          | SH56/13      | 31 25 | 151 6  | Oct/72 | 300  | <i>Onitis alexis</i>             | C  | Found Mar/81     |
| 20036 | Benoni            | 8 km NW   | Nundle          | SH56/13      | 31 25 | 151 6  |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20181 | (Road Release)    | 20 km W   | Nundle          | SH56/13      | 31 30 | 151 00 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    | Found Mar/81     |
| 20181 | (Road Release)    | 20 km W   | Nundle          | SH56/13      | 31 30 | 151 00 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20182 | (Road Release)    | 2 km SE   | Nundle          | SH56/13      | 31 28 | 151 8  | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    | Found Mar/81     |

|       |                |           |         |         |       |        |        |     |                                  |    |                  |
|-------|----------------|-----------|---------|---------|-------|--------|--------|-----|----------------------------------|----|------------------|
| 20182 | (Road Release) | 2 km SE   | Nundle  | SH56/13 | 31 28 | 151 8  | Feb/75 | 740 | <i>Euoniticellus intermedius</i> |    |                  |
| 20183 | (Road Release) | 17 km SE  | Nundle  | SH56/13 | 31 33 | 151 14 | Feb/75 | 260 | <i>Euoniticellus africanus</i>   |    | Found Feb/82     |
| 20183 | (Road Release) | 17 km SE  | Nundle  | SH56/13 | 31 33 | 151 14 | Feb/75 | 740 | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20184 | (Road Release) | 37 km SE  | Nundle  | SH56/13 | 31 38 | 151 19 | Feb/75 | 740 | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20184 | (Road Release) | 37 km SE  | Nundle  | SH56/13 | 31 38 | 151 19 | Feb/75 | 260 | <i>Euoniticellus africanus</i>   |    | Found Feb/82     |
| 20756 | Glen Dhu       | 30 km SSW | Nundle  | SH56/13 | 31 38 | 151 04 |        |     | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20756 | Glen Dhu       | 30 km SSW | Nundle  | SH56/13 | 31 38 | 151 04 |        |     | <i>Hister nomas</i>              |    | Found Feb/82     |
| 20757 | Recovery Area  | 4 km SW   | Nundle  | SH56/13 | 31 30 | 151 06 |        |     | <i>Euoniticellus africanus</i>   |    | Found Feb/82     |
| 20757 | Recovery Area  | 4 km SW   | Nundle  | SH56/13 | 31 30 | 151 06 |        |     | <i>Hister nomas</i>              |    | Found Feb/82     |
| 20757 | Recovery Area  | 4 km SW   | Nundle  | SH56/13 | 31 30 | 151 06 |        |     | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20757 | Recovery Area  | 4 km SW   | Nundle  | SH56/13 | 31 25 | 151 09 |        |     | <i>Hister nomas</i>              |    | Found Feb/82     |
| 20758 | Recovery Area  | 12 km NW  | Nundle  | SH56/13 | 31 25 | 151 09 |        |     | <i>Euoniticellus intermedius</i> | C  | Found Feb/82     |
| 20758 | Recovery Area  | 12 km NW  | Nundle  | SH56/13 | 31 18 | 151 10 |        |     | <i>Onthophagus gazella</i>       |    | Found Feb/82     |
| 20759 | Woolomin       | 30 km N   | Nundle  | SH56/13 | 31 18 | 151 10 |        |     | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20759 | Woolomin       | 30 km N   | Nundle  | SH56/13 | 31 18 | 151 10 |        |     | <i>Euoniticellus africanus</i>   |    | Found Feb/82     |
| 20759 | Woolomin       | 30 km N   | Nundle  | SH56/13 | 31 18 | 151 10 |        |     | <i>Hister nomas</i>              |    | Found Feb/82     |
| 20415 | Recovery Area  | 15 km W   | Nymagee | SI55/2  | 32 4  | 146 8  |        |     | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 20416 | Recovery Area  | 5 km SE   | Nymagee | SI55/2  | 32 6  | 146 21 |        |     | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 20417 | Recovery Area  | 15 km SE  | Nymagee | SI55/2  | 32 10 | 146 24 |        |     | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 20418 | Recovery Area  | 100 km SE | Nymagee | SI55/3  | 32 42 | 146 58 |        |     | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 20008 | Bogan Villa Dy | 2 km S    | Nyngan  | SH55/15 | 31 35 | 147 11 | Dec/74 | 500 | <i>Onthophagus gazella</i>       | GP | Found Nov/74     |
| 20008 | Bogan Villa Dy | 2 km S    | Nyngan  | SH55/15 | 31 35 | 147 11 | Nov/74 | 500 | <i>Onthophagus binodis</i>       | SR | Found Nov/76     |
| 20008 | Bogan Villa Dy | 2 km S    | Nyngan  | SH55/15 | 31 35 | 147 11 | Nov/74 | 500 | <i>Onthophagus gazella</i>       | C  | Found Nov/76     |
| 20008 | Bogan Villa Dy | 2 km S    | Nyngan  | SH55/15 | 31 35 | 147 11 | Jan/72 | 500 | <i>Euoniticellus intermedius</i> |    | Found Nov/74     |
| 20008 | Bogan Villa Dy | 2 km S    | Nyngan  | SH55/15 | 31 35 | 147 11 | Nov/74 | 500 | <i>Onitis alexis</i>             | C  | Found Mar/81     |
| 20008 | Bogan Villa Dy | 2 km S    | Nyngan  | SH55/15 | 31 35 | 147 11 | Nov/74 | 436 | <i>Euoniticellus africanus</i>   |    | Not found Mar/81 |
| 20205 | (Road Release) | 17 km S   | Nyngan  | SH55/15 | 31 35 | 147 11 | Jan/77 | 550 | <i>Onitis alexis</i>             | C  | Found Mar/81     |
| 20205 | (Road Release) | 17 km S   | Nyngan  | SH55/15 | 31 42 | 147 11 | Feb/75 | 740 | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20206 | (Road Release) | 43 km S   | Nyngan  | SH55/15 | 31 55 | 147 11 | Feb/75 | 260 | <i>Euoniticellus africanus</i>   |    | Found Mar/81     |
| 20206 | (Road Release) | 43 km S   | Nyngan  | SH55/15 | 31 55 | 147 11 | Feb/75 | 740 | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20207 | (Road Release) | 58 km S   | Nyngan  | SI55/03 | 32 03 | 147 16 | Feb/75 | 260 | <i>Euoniticellus africanus</i>   |    | Found Mar/81     |
| 20207 | (Road Release) | 58 km S   | Nyngan  | SI55/03 | 32 03 | 147 16 | Feb/75 | 740 | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20208 | (Road Release) | 74 km S   | Nyngan  | SI55/3  | 32 10 | 147 19 | Feb/75 | 260 | <i>Euoniticellus africanus</i>   |    | Found Mar/81     |
| 20208 | (Road Release) | 74 km S   | Nyngan  | SI55/3  | 32 10 | 147 19 | Feb/75 | 740 | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20209 | (Road Release) | 97 km S   | Nyngan  | SI55/3  | 32 20 | 147 25 | Feb/75 | 740 | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20209 | (Road Release) | 97 km S   | Nyngan  | SI55/3  | 32 20 | 147 25 | Feb/75 | 260 | <i>Euoniticellus africanus</i>   |    | Found Mar/81     |
| 20286 | (Road Release) | 44 km W   | Nyngan  | SH55/14 | 31 34 | 146 42 | Feb/76 | 500 | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20286 | (Road Release) | 44 km W   | Nyngan  | SH55/14 | 31 34 | 146 42 | Feb/76 | 50  | <i>Euoniticellus africanus</i>   |    | Found Mar/81     |
| 20287 | (Road Release) | 71 km W   | Nyngan  | SH55/14 | 31 35 | 146 26 | Feb/76 | 500 | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20287 | (Road Release) | 71 km W   | Nyngan  | SH55/14 | 31 35 | 146 26 | Feb/76 | 500 | <i>Euoniticellus africanus</i>   |    | Found Mar/81     |
| 20288 | (Road Release) | 89 km W   | Nyngan  | SH55/14 | 31 33 | 146 16 | Feb/76 | 500 | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |

| Index | Property         | Location   | Town                 | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|------------------|------------|----------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20288 | (Road Release)   | 89 km W    | Nyngan               | SH55/14 | 31 33 | 146 16 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    | Found Nov/76     |
| 20398 | Coolabah         | 76 KM NW   | Nyngan               | SH55/14 | 31 1  | 146 43 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20664 | Recovery Area    | 37km S     | Nyngan               | SI55/15 | 31 53 | 147 09 |        |      | <i>Euoniticellus intermedius</i> | C  | Not found Mar/80 |
| 70007 | Leamington       | 13 km E    | Oatlands             | SK55/06 | 42 18 | 147 28 | Mar/73 | 500  | <i>Onthophagus gazella</i>       | GP | Found Dec/76     |
| 80128 | Obiri Rock       | 100 km SSW | Oenpelli             | SD53/1  | 12 27 | 133 00 |        |      | <i>Onthophagus gazella</i>       | GO | Found Nov/72     |
| 80129 | Cannon Hill      | 20 km SW   | Oenpelli             | SD53/5  | 12 50 | 132 43 |        |      | <i>Onthophagus gazella</i>       | T  | Found Nov/72     |
| 80140 | Magela Creek     | 40 km SSW  | Oenpelli             | SD53/1  | 12 40 | 132 54 |        |      | <i>Onthophagus gazella</i>       | T  | Found Nov/72     |
| 80142 | Cooper Creek     | 35 km NW   | Oenpelli             | SD53/1  | 12 6  | 133 4  |        |      | <i>Euoniticellus intermedius</i> | T  | Found May/78     |
| 50049 | Edward's Creek   | 110 km SSE | Oodnadatta           | SH53/3  | 28 20 | 135 51 |        |      | <i>Euoniticellus intermedius</i> |    | Found May/78     |
| 50050 | Town Common      | 1 km W     | Oodnadatta           | SG53/15 | 27 32 | 135 25 |        |      | <i>Euoniticellus intermedius</i> |    | Found May/78     |
| 50051 | Warrungadinnack  | 153 km NW  | Oodnadatta           | SG53/10 | 26 57 | 134 10 |        |      | <i>Euoniticellus intermedius</i> |    | Found May/78     |
| 20052 | Mt Shorter       | 9 km N     | Orange               | SI55/8  | 33 19 | 149 5  | Dec/72 | 500  | <i>Onthophagus gazella</i>       | C  |                  |
| 20270 | Kenso Orange Co. | 8 km S     | Orange               | SI55/8  | 33 24 | 149 3  | Feb/76 | 500  | <i>Onthophagus taurus</i>        | 1  |                  |
| 20270 | Kenso Orange Co. | 8 km S     | Orange               | SI55/8  | 33 24 | 149 3  | Sep/78 | 1100 | <i>Onthophagus taurus</i>        | 4  |                  |
| 20270 | Kenso Orange Co. | 8 km S     | Orange               | SI55/8  | 33 24 | 149 3  | Dec/70 | 280  | <i>Hister nomas</i>              |    |                  |
| 20270 | Kenso Orange Co. | 8 km S     | Orange               | SI55/8  | 33 24 | 149 3  | Feb/76 | 500  | <i>Euoniticellus africanus</i>   |    |                  |
| 20512 | Nandillyan Pnds  | 18 km NW   | Orange (Mitch. Hway) | SI55/8  | 33 8  | 148 58 | Oct/78 | 750  | <i>Onthophagus taurus</i>        | 4  |                  |
| 20512 | Nandillyan Pnds  | 18 km NW   | Orange (Mitch. Hway) | SI55/8  | 33 8  | 148 58 | Sep/78 | 1300 | <i>Onthophagus taurus</i>        | 4  |                  |
| 30021 | Rolling Downs    | 10 km E    | Orbost               | SJ55/8  | 37 42 | 148 34 | Mar/74 | 500  | <i>Onthophagus gazella</i>       | C  |                  |
| 30021 | Rolling Downs    | 10 km E    | Orbost               | SJ55/8  | 37 42 | 148 34 | Mar/74 | 600  | <i>Hister nomas</i>              |    |                  |
| 30023 | Smooker (Mrs G.) | 8 km S     | Orbost               | SJ55/8  | 37 46 | 149 32 | Mar/70 | 612  | <i>Hister nomas</i>              |    |                  |
| 80354 | Palumpa Station  | 2 km SW    | Palumpa Stn Hmstd    | SD52/11 | 14 15 | 129 12 |        |      | <i>Onthophagus gazella</i>       |    | Found Jul/83     |
| 80358 | Palumpa Station  | 8 km E     | Palumpa Stn Hmstd    | SD52/11 | 14 14 | 129 14 |        |      | <i>Onthophagus gazella</i>       |    | Found Jul/83     |
| 80358 | Palumpa Stn      | 8 km E     | Palumpa Stn Hmstd    | SD52/11 | 14 14 | 129 14 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jul/83     |
| 20140 | Oakleigh         | 2 km S     | Pambula              | SJ55/4  | 36 55 | 149 53 | Mar/74 | 570  | <i>Onthophagus gazella</i>       | C  |                  |
| 20140 | Oakleigh         | 2 km S     | Pambula              | SJ55/4  | 36 55 | 149 53 | Jan/71 | 471  | <i>Hister nomas</i>              |    |                  |
| 80352 | Peppimenarti     |            | Pandella Area        | SD52/07 | 13 58 | 130 23 |        |      | <i>Onthophagus gazella</i>       |    | Found Jul/83     |
| 80352 | Peppimenarti     |            | Pandella Area        | SD52/07 | 13 58 | 130 23 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jul/83     |
| 5     | Overseas Series  |            | Papua New Guinea     |         |       |        | Sep/73 | 100  | <i>Onitis alexis</i>             | T  |                  |
| 5     | Overseas Series  |            | Papua New Guinea     |         |       |        | Aug/73 | 200  | <i>Onthophagus binodis</i>       | WR |                  |
| 5     | Overseas Series  |            | Papua New Guinea     |         |       |        | Aug/76 | 200  | <i>Onthophagus obliquus</i>      |    | Found Oct/78     |
| 5     | Overseas Series  |            | Papua New Guinea     |         |       |        | Oct/77 | 350  | <i>Onthophagus obliquus</i>      |    | Found Oct/78     |
| 5     | Overseas Series  |            | Papua New Guinea     |         |       |        | May/73 | 100  | <i>Onthophagus gazella</i>       | C  | Found Nov/75     |
| 5     | Overseas Series  |            | Papua New Guinea     |         |       |        | Nov/75 | 500  | <i>Onitis alexis</i>             | T  |                  |
| 5     | Overseas Series  |            | Papua New Guinea     |         |       |        | Feb/76 | 525  | <i>Onitis vanderkelleni</i>      |    |                  |
| 5     | Overseas Series  |            | Papua New Guinea     |         |       |        | Sep/73 | 100  | <i>Sisyphus spinipes</i>         |    |                  |
| 20175 | (Road Release)   | 7 km W     | Parkes               | SI55/7  | 33 6  | 148 8  | Jan/75 | 500  | <i>Onthophagus gazella</i>       | C  | Not found Jan/78 |
| 20242 | (Road Release)   | 3 km N     | Parkes               | SI55/7  | 33 6  | 148 12 | Feb/77 | 4000 | <i>Onthophagus gazella</i>       | C  | Not found Jan/78 |
| 20242 | (Road Release)   | 3 km N     | Parkes               | SI55/7  | 33 6  | 148 12 | Feb/77 | 500  | <i>Euoniticellus africanus</i>   |    | Not found Jan/78 |
| 20242 | (Road Release)   | 3 km N     | Parkes               | SI55/7  | 33 6  | 148 12 | Feb/77 | 2000 | <i>Euoniticellus intermedius</i> |    | Found Jan/78     |

|       |                  |           |                       |         |       |        |        |      |                                  |    |                                  |
|-------|------------------|-----------|-----------------------|---------|-------|--------|--------|------|----------------------------------|----|----------------------------------|
| 20242 | (Road Release)   | 3 km N    | Parke                 | SI55/7  | 33 6  | 148 12 | Mar/75 | 500  | <i>Onitis alexis</i>             | C  | Not found Jan/78<br>Found Feb/77 |
| 20455 | Recovery Area    | 19 km W   | Parke                 | SI55/7  | 33 7  | 148 2  |        |      | <i>Euoniticellus intermedius</i> |    |                                  |
| 20553 | (Road Release)   | 16 km N   | Parke                 | SI55/7  | 33 00 | 148 13 | Jul/79 | 360  | <i>Onitis aygulus</i>            | SR |                                  |
| 20553 | (Road Release)   | 16 km N   | Parke                 | SI55/7  | 33 00 | 148 13 | Nov/79 | 700  | <i>Onitis aygulus</i>            | SR | Found Nov/79                     |
| 20553 | (Road Release)   | 16 km N   | Parke                 | SI55/7  | 33 00 | 148 13 |        |      | <i>Euoniticellus intermedius</i> |    |                                  |
| 20571 | Kirkup           | 18 km W   | Parke                 | SI55/07 | 33 06 | 148 02 | Dec/79 | 470  | <i>Onitis aygulus</i>            | SR |                                  |
| 20143 | Boongala         | 26 km SW  | Peak Hill             | SI55/3  | 32 51 | 148 04 | Dec/74 | 500  | <i>Onthophagus gazella</i>       | C  |                                  |
| 20143 | Boongala         | 26 km SW  | Peak Hill             | SI55/3  | 32 51 | 148 04 | Nov/74 | 1300 | <i>Euoniticellus intermedius</i> |    |                                  |
| 20143 | Boongala         | 26 km SW  | Peak Hill             | SI55/3  | 32 51 | 148 04 | Dec/74 | 500  | <i>Euoniticellus intermedius</i> |    |                                  |
| 60091 | Two Rivers       | 8 km S    | Pemberton             | SI50/10 | 34 30 | 116 0  | Mar/71 | 700  | <i>Hister nomas</i>              | WR | Not found                        |
| 60209 | Rockford Rarm    | 11 km W   | Pemberton             | SI50/9  | 34 24 | 115 55 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR |                                  |
| 60213 | Tarawind         | 7 km N    | Pemberton             | SI50/10 | 34 24 | 116 05 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR |                                  |
| 70009 | Hiscutt (Mr H.)  | 5 km E    | Penguin               | SK55/03 | 41 6  | 146 2  | Mar/78 | 1600 | <i>Onthophagus taurus</i>        | 6  | Found Jan/82                     |
| 50007 | Old Penola       | 3 km S    | Penola                | SI54/6  | 37 27 | 140 50 | Sep/72 | 516  | <i>Onthophagus binodis</i>       | WR | Found Feb/84                     |
| 50088 | Boolara          | 19 km NE  | Penola                | SI54/06 | 37 24 | 140 48 | Jan/84 | 2000 | <i>Onthophagus taurus</i>        | 1  |                                  |
| 20696 | Castlereagh Upp. | 5 km NW   | Penrith               | SI56/5  | 33 42 | 150 39 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/82                     |
| 20696 | Castlereagh Upp. | 5 km NW   | Penrith               | SI56/5  | 33 42 | 150 39 |        |      | <i>Onthophagus binodis</i>       | WR | Found Mar/82                     |
| 20696 | Castlereagh Upp. | 5 km NW   | Penrith               | SI56/5  | 33 42 | 150 39 |        |      | <i>Onthophagus binodis</i>       |    | Found Mar/82                     |
| 20696 | Castlereagh Upp. | 5 km NW   | Penrith               | SI56/5  | 33 42 | 150 39 |        |      | <i>Hister nomas</i>              | C  | Found Mar/82                     |
| 20696 | Castlereagh Upp. | 5 km NW   | Penrith               | SI56/5  | 33 42 | 150 39 |        |      | <i>Onitis alexis</i>             |    | Found Mar/82                     |
| 20783 | Nepean Park      | 7 km NNW  | Penrith               | SI56/06 | 33 39 | 150 38 | Jun/82 | 600  | <i>Euoniticellus intermedius</i> |    |                                  |
| 20783 | Nepean Park      | 7 km NNW  | Penrith               | SI56/06 | 33 39 | 150 38 | Apr/82 | 600  | <i>Onthophagus nigriventris</i>  |    |                                  |
| 20339 | CSIRO McMaster   | 25 km SE  | Penrith (Badgerys Ck) | SI56/5  | 33 55 | 150 48 | Feb/76 | 500  | <i>Onthophagus taurus</i>        | 1  | Not found Mar/82                 |
| 20339 | CSIRO McMaster   | 25 km SE  | Penrith (Badgerys Ck) | SI56/5  | 33 55 | 150 48 |        |      | <i>Onitis alexis</i>             | C  | Found Mar/82                     |
| 20339 | CSIRO McMaster   | 25 km SE  | Penrith (Badgerys Ck) | SI56/5  | 33 55 | 150 48 |        |      | <i>Hister nomas</i>              |    | Found Mar/82                     |
| 20339 | CSIRO McMaster   | 25 km SE  | Penrith (Badgerys Ck) | SI56/5  | 33 55 | 150 48 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82                     |
| 20696 | Castlereagh Upp  | 5 km NW   | Penrith               | SI56/5  | 33 42 | 150 39 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82                     |
| 40127 | (Road Release)   | 4 km SW   | Pentick               | SF55/1  | 20 33 | 145 21 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    |                                  |
| 40203 | Yarrowmere Sin   | 115 km SE | Pentland              | SF55/6  | 21 27 | 145 52 | Feb/70 | 1000 | <i>Onthophagus gazella</i>       | T  | Found Feb/75                     |
| 40207 | Lolworth         | 57 km NW  | Pentland              | SF55/1  | 20 11 | 145 1  | Feb/70 | 1000 | <i>Onthophagus gazella</i>       | T  | Found Feb/75                     |
| 40259 | Milray Station   | 40 km SSE | Pentland              | SF55/2  | 20 41 | 145 42 | Feb/69 | 2603 | <i>Onthophagus gazella</i>       | T  | Found Feb/75                     |
| 40259 | Milray Station   | 40 km SSE | Pentland              | SF55/2  | 20 41 | 145 42 | Jan/69 | 2515 | <i>Liatongus militaris</i>       |    |                                  |
| 40259 | Milray Station   | 40 km SSE | Pentland              | SF55/2  | 20 41 | 145 42 | Jan/69 | 161  | <i>Hister caffer</i>             |    | Not found                        |
| 40477 | Recovery Area    | 50 km SE  | Pentland              | SF55/2  | 20 45 | 145 47 |        |      | <i>Onthophagus gazella</i>       | T  | Found Dec/71                     |
| 60309 | Roadside         | 20 km N   | Pentland              | SH50/14 | 31 43 | 116 02 |        |      | <i>Onthophagus binodis</i>       | WR | Found Dec/81                     |
| 60345 | Kelmscott Ag. HS | 25 km SE  | Perth                 | SI50/02 | 32 07 | 116 01 |        |      | <i>Onthophagus binodis</i>       | WR | Found Apr/82                     |
| 60345 | Kelmscott Ag. HS | 25 km SE  | Perth                 | SI50/02 | 32 07 | 116 01 |        |      | <i>Onitis alexis</i>             | C  | Found Apr/82                     |
| 60345 | Kelmscott Ag. HS | 25 km SE  | Perth                 | SI50/02 | 32 07 | 116 01 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82                     |
| 60349 | Keaney College   | 90 km N   | Perth                 | SH50/14 | 31 20 | 116 05 | Mar/83 | 283  | <i>Onitis caffer</i>             | WR | Found Apr/82                     |
| 60349 | Keaney College   | 90 km N   | Perth                 | SH50/14 | 31 20 | 116 05 | Apr/83 | 402  | <i>Onitis caffer</i>             | WR |                                  |
| 60352 | Lee (Mr R.)      | 30 km N   | Perth                 | SH50/7  | 29 20 | 117 20 | May/83 | 267  | <i>Onitis caffer</i>             | WR |                                  |
| 60352 | Lee (Mr R.)      | 30 km N   | Perth                 | SH50/7  | 29 20 | 117 20 | May/83 | 482  | <i>Onitis caffer</i>             | WR |                                  |

| Index | Property            | Location   | Town            | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|---------------------|------------|-----------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 60305 | Richards (Mr K.)    | 11 km SE   | Perth (Kenwick) | SI50/2  | 32 01 | 115 54 |        |      | <i>Onthophagus binodis</i>       | WR | Found Jan/81     |
| 60305 | Richards (Mr K.)    | 11 km SE   | Perth (Kenwick) | SI50/2  | 32 01 | 115 54 |        |      | <i>Onitis alexis</i>             | C  | Found Jan/81     |
| 20698 | Razorback Top       | 8 km NE    | Picton          | SI56/9  | 34 10 | 150 40 |        |      | <i>Hister nomas</i>              |    | Found Mar/82     |
| 20698 | Razorback Top       | 8 km NE    | Picton          | SI56/9  | 34 10 | 150 40 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Mar/82     |
| 20366 | (Road Release)      | 1 km E     | Pilliga         | SH55/12 | 30 21 | 148 55 | Jan/77 | 500  | <i>Onthophagus gazella</i>       |    |                  |
| 20366 | (Road Release)      | 1 km E     | Pilliga         | SH55/12 | 30 21 | 148 55 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jan/77     |
| 80019 | Douglas Station     | 50 km NW   | Pine Creek      | SD52/8  | 13 38 | 131 27 | Dec/69 | 2626 | <i>Onthophagus gazella</i>       | T  | Found Sep/80     |
| 80019 | Douglas Station     | 50 km NW   | Pine Creek      | SD52/8  | 13 38 | 131 27 | Dec/69 | 481  | <i>Euoniticellus intermedius</i> |    | Found Sep/80     |
| 80019 | Douglas Station     | 50 km NW   | Pine Creek      | SD52/8  | 13 38 | 131 27 | Dec/69 | 130  | <i>Hister caffer</i>             |    | Found Sep/80     |
| 80019 | Douglas Station     | 50 km NW   | Pine Creek      | SD52/8  | 13 38 | 131 27 | Dec/69 | 1419 | <i>Liatangus militaris</i>       |    | Found Sep/80     |
| 80019 | Douglas Station     | 50 km NW   | Pine Creek      | SD52/8  | 13 38 | 131 27 | Dec/69 | 157  | <i>Copris incertus</i>           |    | Found Sep/80     |
| 80024 | Oenpelli Miss.      | 215 km NNE | Pine Creek      | SD53/1  | 12 19 | 133 3  | Sep/73 | 100  | <i>Euoniticellus intermedius</i> | GP | Found Jun/81     |
| 80024 | Oenpelli Miss.      | 215 km NNE | Pine Creek      | SD53/1  | 12 19 | 133 3  |        |      | <i>Euoniticellus intermedius</i> |    | Found Jun/81     |
| 80025 | Mudginberri Stn     | 180 km NNE | Pine Creek      | SD53/1  | 12 36 | 132 52 | Oct/73 | 500  | <i>Onthophagus binodis</i>       | SR | Not found Apr/82 |
| 80025 | Mudginberri Stn     | 180 km NNE | Pine Creek      | SD53/1  | 12 36 | 132 52 | Nov/75 | 500  | <i>Onitis alexis</i>             | T  | Not found Apr/82 |
| 80025 | Mudginberri Stn     | 180 km NNE | Pine Creek      | SD53/1  | 12 36 | 132 52 | Oct/70 | 210  | <i>Onthophagus gazella</i>       | T  | Found Apr/82     |
| 80025 | Mudginberri Stn     | 180 km NNE | Pine Creek      | SD53/1  | 12 36 | 132 52 | Sep/73 | 100  | <i>Onthophagus gazella</i>       | GP | Found Dec/76     |
| 80042 | Bonrook             | 10 km SE   | Pine Creek      | SD52/8  | 13 52 | 132 52 | Nov/73 | 200  | <i>Euoniticellus intermedius</i> | GP | Found Apr/82     |
| 80042 | Bonrook             | 10 km SE   | Pine Creek      | SD52/8  | 13 52 | 131 53 | Nov/70 | 220  | <i>Onthophagus gazella</i>       | T  | Found Sep/80     |
| 80086 | Douglas/Daly Ex     | 70 km W    | Pine Creek      | SD52/8  | 13 51 | 131 10 |        |      | <i>Onthophagus sagittarius</i>   |    |                  |
| 80086 | Douglas/Daly Ex     | 70 km W    | Pine Creek      | SD52/8  | 13 51 | 131 10 | Oct/75 | 500  | <i>Onitis alexis</i>             | T  | Found Sep/80     |
| 80086 | Douglas/Daly Ex     | 0 km W     | Pine Creek      | SD52/8  | 13 51 | 131 10 | Sep/73 | 200  | <i>Euoniticellus intermedius</i> | T  | Found Sep/80     |
| 80086 | Douglas/Daly Ex     | 70 km W    | Pine Creek      | SD52/8  | 13 51 | 131 10 |        |      | <i>Onthophagus gazella</i>       |    |                  |
| 80208 | Goodparla           | 62 km NE   | Pine Creek      | SD53/5  | 13 28 | 132 17 | Feb/71 | 220  | <i>Onthophagus gazella</i>       | T  | Found Apr/82     |
| 80215 | Dorisvale           | 94 km SW   | Pine Creek      | SD52/12 | 14 30 | 131 20 | Jan/72 | 250  | <i>Onthophagus gazella</i>       | T  | Found Apr/82     |
| 80215 | Dorisvale           | 94 km SW   | Pine Creek      | SD52/12 | 14 30 | 131 20 | Dec/72 | 200  | <i>Onthophagus gazella</i>       | T  | Found Apr/82     |
| 80311 | Hayes Creek         | 60 km NW   | Pine Creek      | SD52/8  | 13 35 | 131 29 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82     |
| 80311 | Hayes Creek         | 60 km NW   | Pine Creek      | SD52/8  | 13 35 | 131 29 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82     |
| 80312 | Jabiru Road         | 12 km NE   | Pine Creek      | SD52/8  | 13 45 | 131 54 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82     |
| 80312 | Jabiru Road         | 12 km NE   | Pine Creek      | SD52/8  | 13 45 | 131 54 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82     |
| 80313 | Sth Alligator River | 96 km NE   | Pine Creek      | SD53/5  | 13 18 | 132 18 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82     |
| 80313 | Sth Alligator R.    | 96 km NE   | Pine Creek      | SD53/5  | 13 18 | 132 18 |        |      | <i>Onthophagus sagittarius</i>   | T  | Found Apr/82     |
| 80313 | Sth Alligator River | 96 km NE   | Pine Creek      | SD53/5  | 13 18 | 132 18 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82     |
| 80359 | D. Daly Res. Farm   | 70 km W    | Pine Creek      | SD52/08 | 13 50 | 131 10 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82     |
| 40560 | Rocklea             | 14 km NE   | Pinehill        | SF55/15 | 23 35 | 147 05 |        |      | <i>Onitis alexis</i>             | GP | Found Nov/83     |
| 40560 | Rocklea             | 14 km NE   | Pinehill        | SF55/15 | 23 35 | 147 05 |        |      | <i>Onthophagus gazella</i>       | T  | Found Mar/78     |
| 40560 | Rocklea             | 14 km NE   | Pinehill        | SF55/15 | 23 35 | 147 05 |        |      | <i>Onitis alexis</i>             | T  | Not found Mar/78 |
| 60150 | Hollinwood          | 48 km SW   | Pingelly        | SI50/2  | 32 45 | 116 38 | Feb/78 | 760  | <i>Euoniticellus intermedius</i> | 3  | Found Mar/78     |



|       |                  |            |                |             |       |        |        |      |                                  |    |                  |
|-------|------------------|------------|----------------|-------------|-------|--------|--------|------|----------------------------------|----|------------------|
| 60150 | Hollinwood       | 48 km SW   | Pingelly       | SI50/2      | 32 45 | 116 38 | Dec/77 | 600  | <i>Onthophagus taurus</i>        | 3  | Found Apr/82     |
| 60342 | Town Centre      | km         | Pingelly       | SI50/03     | 32 32 | 117 06 | Jul/72 | 524  | <i>Euoniticellus pallipes</i>    | 2  | Not found        |
| 60004 | Lonmere Graz. Co | 6 km SE    | Pinjarra       | SI50/2      | 32 40 | 115 56 | Dec/79 | 1655 | <i>Onthophagus binodis</i>       | WR | Found May/82     |
| 60197 | Sth. Park Field  | 7 km N     | Pinjarra       | SI50/2      | 32 35 | 115 55 | Dec/79 | 386  | <i>Onthophagus binodis</i>       | C  | Found May/82     |
| 60197 | Sth Park Field   | 7 km N     | Pinjarra       | SI50/2      | 32 35 | 115 55 | Feb/79 | 500  | <i>Onitis alexis</i>             | WR | Found Mar/82     |
| 60197 | Sth. Park Field  | 7 km N     | Pinjarra       | SI50/2      | 32 35 | 115 55 | Feb/79 | 500  | <i>Onthophagus binodis</i>       | WR | Found May/82     |
| 60198 | Forest Glen      | 5 km W     | Pinjarra       | SI50/2      | 32 39 | 115 50 | Dec/79 | 1400 | <i>Onthophagus taurus</i>        | 3  | Found May/82     |
| 60257 | Black Velvet St  | 6 km S     | Pinjarra       | SI50/02     | 32 41 | 115 52 | Apr/83 | 395  | <i>Onthophagus binodis</i>       | WR | Found May/82     |
| 60257 | Black Velvet St  | 6 km S     | Pinjarra       | SI50/02     | 32 41 | 115 52 | Apr/83 | 328  | <i>Onitis caffer</i>             | WR | Found Mar/81     |
| 60350 | Pinjarra Park    | 3 km E     | Pinjarra       | SI50/2      | 32 35 | 115 50 | Mar/77 | 1000 | <i>Euoniticellus intermedius</i> | WR | Found Feb/79     |
| 60350 | Pinjarra Park    | 3 km E     | Pinjarra       | SI50/2      | 32 35 | 115 50 | Mar/77 | 1000 | <i>Onthophagus binodis</i>       | 1  | Found Feb/79     |
| 20653 | Recovery Area    | 3 km E     | Pinjarra       | SI54/08     | 33 17 | 143 10 | Feb/78 | 860  | <i>Euoniticellus pallipes</i>    | 3  | Found Jul/77     |
| 60101 | Woodburn         | 68 km ENE  | Pooncarrie     | SI50/11     | 34 44 | 117 50 | Feb/78 | 610  | <i>Euoniticellus pallipes</i>    | 3  | Found Jul/77     |
| 60101 | Woodburn         | 5 km SE    | Porongorup     | SI50/11     | 34 44 | 117 50 | Feb/78 | 500  | <i>Onthophagus taurus</i>        | 3  | Found Jul/77     |
| 60152 | Glen Owen        | 5 km SE    | Porongorup     | SI50/11     | 34 40 | 118 1  | Apr/78 | 650  | <i>Onthophagus taurus</i>        | 3  | Found Jul/77     |
| 60152 | Glen Owen        | 19 km E    | Porongorup     | SI50/11     | 34 40 | 118 1  | May/73 | 500  | <i>Onthophagus gazella</i>       | GP | Found Jul/77     |
| 60152 | Glen Owen        | 19 km NE   | Porongorup     | SI50/11     | 34 40 | 118 1  | May/73 | 500  | <i>Euoniticellus intermedius</i> | GP | Found Jul/77     |
| 60152 | Glen Owen        | 19 km NE   | Porongorup     | SI50/11     | 34 40 | 118 1  | Oct/73 | 5000 | <i>Onthophagus binodis</i>       | WR | Found Dec/76     |
| 60152 | Glen Owen        | 19 km NE   | Porongorup     | SI50/11     | 34 40 | 118 1  | Oct/73 | 500  | <i>Onthophagus binodis</i>       | WR | Not found Oct/80 |
| 60152 | Glen Owen        | 19 km NE   | Porongorup     | SI50/11     | 34 40 | 118 1  | Oct/73 | 500  | <i>Onitis alexis</i>             | C  | Not found Oct/80 |
| 60142 | Yarrie Station   | 170 km ESE | Port Hedland   | SF51/1      | 20 41 | 120 12 | Feb/75 | 415  | <i>Euoniticellus intermedius</i> | SR | Found Dec/76     |
| 60142 | Yarrie Station   | 170 km ESE | Port Hedland   | SF51/1      | 20 41 | 120 12 | Feb/75 | 415  | <i>Euoniticellus intermedius</i> | SR | Not found Oct/80 |
| 60142 | Yarrie Station   | 170 km ESE | Port Hedland   | SF51/1      | 20 41 | 120 12 | Feb/75 | 415  | <i>Euoniticellus intermedius</i> | SR | Not found Oct/80 |
| 60143 | Warrawagine Stn  | 225 km ESE | Port Hedland   | SF51/1      | 20 51 | 120 42 | Jan/75 | 500  | <i>Onthophagus binodis</i>       | C  | Not found Oct/80 |
| 60143 | Warrawagine Stn  | 225 km ESE | Port Hedland   | SF51/1      | 20 51 | 120 42 | Jan/75 | 500  | <i>Onthophagus binodis</i>       | C  | Not found Oct/80 |
| 50013 | Glen Forest      | 16 km NW   | Port Lincoln   | SI53/11     | 34 39 | 135 40 | Dec/78 | 2000 | <i>Sisypus spinipes</i>          | T  | Found Dec/76     |
| 50014 | Gum Hill         | 64 km NW   | Port Lincoln   | SI53/11     | 34 6  | 135 32 | Dec/78 | 1300 | <i>Onthophagus gazella</i>       | T  | Found Feb/80     |
| 50016 | Wanilla          | 26 km NW   | Port Lincoln   | SI53/11     | 34 35 | 135 31 | Dec/78 | 2000 | <i>Onthophagus gazella</i>       | T  | Found Nov/77     |
| 50017 | Moody            | 17 km NNE  | Port Lincoln   | SI53/11     | 34 10 | 135 58 | Dec/78 | 2000 | <i>Sisypus spinipes</i>          | T  | Found Dec/76     |
| 50018 | Murchison (Mr)   | 40 km NW   | Port Lincoln   | SI53/11     | 34 28 | 135 42 | Dec/78 | 2000 | <i>Onthophagus gazella</i>       | T  | Found Dec/76     |
| 50027 | Collina          | 28 km NW   | Port Lincoln   | SI53/11     | 34 35 | 135 37 | Dec/78 | 2000 | <i>Onthophagus gazella</i>       | T  | Found Dec/76     |
| 50028 | The Lakes        | 53 km NNW  | Port Lincoln   | SI53/11     | 34 10 | 135 32 | Dec/78 | 2000 | <i>Onthophagus gazella</i>       | T  | Found Dec/76     |
| 50029 | Warrata          | 55 km NNE  | Port Lincoln   | SI53/11     | 34 13 | 136 6  | Dec/78 | 2000 | <i>Onthophagus gazella</i>       | T  | Found Dec/76     |
| 50030 | H. Y. Springs    | 44 km NNE  | Port Lincoln   | SI53/11     | 34 20 | 136 5  | Dec/78 | 2000 | <i>Onthophagus gazella</i>       | T  | Found Dec/76     |
| 20170 | Cooperabung Fm   | 18 km NNW  | Port Macquarie | SH56/14     | 31 20 | 152 49 | Apr/74 | 500  | <i>Liatongus militaris</i>       | T  | Found Feb/80     |
| 20170 | Cooperabung Fm   | 18 km NNW  | Port Macquarie | SH56/14     | 31 20 | 152 49 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> | T  | Found Feb/80     |
| 20589 | Kew-Kendall      | 24 km S    | Port Macquarie | SH56/14     | 31 38 | 152 44 | Apr/70 | 1200 | <i>Euoniticellus intermedius</i> | T  | Found Feb/75     |
| 12    | Kaioki           | 19 km W    | Port Moresby   | PNG         |       |        |        |      |                                  |    |                  |
| 9     | Overseas Series  |            | Port Vila      | N. Hebrides |       |        |        |      |                                  |    |                  |
| 9     | Overseas Series  |            | Port Vila      | N. Hebrides |       |        |        |      |                                  |    |                  |
| 9     | Overseas Series  |            | Port Vila      | N. Hebrides |       |        |        |      |                                  |    |                  |
| 40129 | (Road Release)   | km         | Prairie        | SF 55/1     | 20 52 | 144 35 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> | T  | Found Feb/75     |
| 40130 | (Road Release)   | 43 km S    | Prairie        | SF55/5      | 21 10 | 144 36 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> | T  | Found Feb/75     |
| 40220 | Blantyre         | 20 km NE   | Prairie        | SF55/1      | 20 43 | 144 32 | Apr/70 | 1200 | <i>Onthophagus gazella</i>       | T  | Found Feb/75     |

| Index | Property       | Location  | Town                   | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|----------------|-----------|------------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 40193 | Cox (Mr E.E.)  | km        | Prince of Wales Is.    | SC54/11 | 10 40 | 142 10 | Jun/77 | 600  | <i>Onthophagus obliquus</i>      |    | Found Jul/76     |
| 40193 | Cox (Mr E.E.)  | kmk       | Prince of Wales Is.    | SC54/11 | 10 40 | 142 10 |        |      | <i>Onthophagus gazella</i>       | GP | Found Oct/76     |
| 40193 | Cox (Mr E.E.)  | km        | Prince of Wales Is.    | SC54/11 | 10 40 | 142 10 | Jun/75 | 750  | <i>Onitis alexis</i>             | T  | Found Mar/78     |
| 40577 | Booby Island   | W         | Prince of Wales Island | SC54/11 | 10 36 | 141 55 |        |      | <i>Onthophagus gazella</i>       | T  |                  |
| 40071 | (Road Release) | 25 km NW  | Proserpine             | SF55/4  | 20 15 | 148 55 | Oct/73 | 500  | <i>Onthophagus gazella</i>       | GP | Found Feb/75     |
| 40229 | Earlando       | 21 km NE  | Proserpine             | SF55/4  | 20 16 | 148 43 | Jan/71 | 1000 | <i>Onthophagus gazella</i>       | T  | Found Dec/76     |
| 40523 | Recovery Area  | km        | Proserpine             | SF55/4  | 20 24 | 148 34 |        |      | <i>Euoniticellus intermedius</i> | GP | Found Dec/76     |
| 40523 | Recovery Area  | km        | Proserpine             | SF55/4  | 20 24 | 148 34 |        |      | <i>Liatongus militaris</i>       |    | Found Feb/82     |
| 40523 | Recovery Area  | km        | Proserpine             | SF55/4  | 20 24 | 148 34 |        |      | <i>Onitis alexis</i>             | T  | Found Feb/82     |
| 40637 | Recovery Area  | 31 km NW  | Proserpine             | SF55/03 | 20 13 | 148 25 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 40637 | Recovery Area  | 31 km NW  | Proserpine             | SF55/03 | 20 13 | 148 25 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/81     |
| 20132 | Carpenter (Mr) | km        | Putty                  | SI56/1  | 32 56 | 150 40 | May/74 | 450  | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20132 | Carpenter (Mr) | km        | Putty                  | SI56/1  | 32 56 | 150 40 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/81     |
| 20689 | Abbatoirs      | km        | Queanbeyan             | SI55/16 | 35 20 | 149 14 |        |      | <i>Euoniticellus fulvus</i>      | 1  | Found Nov/81     |
| 20689 | Abbatoirs      | km        | Queanbeyan             | SI55/16 | 35 20 | 149 14 |        |      | <i>Euoniticellus africanus</i>   |    | Found Nov/81     |
| 20690 | Pialligo       | km        | Queanbeyan             | SI55/16 | 35 19 | 149 10 |        |      | <i>Euoniticellus africanus</i>   |    | Found Nov/81     |
| 40100 | Canaway Downs  | 77 km NNW | Quilpie                | SG54/12 | 26 0  | 143 54 | Feb/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Nov/81     |
| 40358 | Recovery Area  | 120 km NW | Quilpie                | SG54/12 | 26 10 | 143 29 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 40359 | Recovery Area  | 90 km WNW | Quilpie                | SG54/12 | 26 24 | 143 41 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 40360 | Recovery Area  | km        | Quilpie                | SG55/9  | 26 37 | 144 16 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 40361 | Recovery Area  | 100 km E  | Quilpie                | SG55/9  | 26 38 | 145 05 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 40474 | Coolbinga      | km        | Quilpie                | SG55/9  | 26 36 | 144 15 |        |      | <i>Euoniticellus intermedius</i> |    | Found May/74     |
| 20179 | (Road Release) | 3 km N    | Quirindi               | SH56/13 | 31 31 | 150 51 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    | Found Jan/77     |
| 20179 | (Road Release) | 3 km N    | Quirindi               | SH56/13 | 31 31 | 150 30 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    |                  |
| 20488 | Recovery Area  | 12 km NW  | Quirindi               | SH56/13 | 31 26 | 150 35 |        |      | <i>Euoniticellus intermedius</i> |    |                  |
| 20326 | Weethalle      | 34 km E   | Rankins Springs        | SI55/2  | 33 53 | 146 38 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20324 | (Road Release) | 26 km SW  | Rankins Springs        | SI55/2  | 33 54 | 146 1  | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20324 | (Road Release) | 26 km SW  | Rankins Springs        | SI55/2  | 33 54 | 146 1  | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |                  |
| 20325 | (Road Release) | km        | Rankins Springs        | SI55/2  | 33 52 | 146 17 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |                  |
| 20325 | (Road Release) | km        | Rankins Springs        | SI55/2  | 33 52 | 146 17 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20326 | Weethalle      | 34 km E   | Rankins Springs        | SI55/2  | 33 53 | 146 38 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |                  |
| 20327 | (Road Release) | 60 km E   | Rankins Springs        | SI55/2  | 33 50 | 146 52 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20327 | (Road Release) | 60 km E   | Rankins Springs        | SI55/2  | 33 50 | 146 52 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |                  |
| 20568 | Recovery Area  | 30 km S   | Rankins Springs        | SI55/10 | 34 06 | 146 16 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |                  |
| 40077 | (Road Release) | 70 km WSW | Ravenshoe              | SE55/5  | 17 50 | 144 58 | Oct/73 | 500  | <i>Euoniticellus intermedius</i> | GP | Found Nov/79     |
| 40078 | (Road Release) | km        | Ravenshoe              | SE55/5  | 17 36 | 145 29 | Oct/73 | 500  | <i>Onthophagus gazella</i>       | GP |                  |
| 40175 | Yakkamore      | 15 km SE  | Ravenshoe              | SE55/6  | 17 40 | 145 36 | Dec/74 | 500  | <i>Onitis vanderkelleni</i>      |    | Not found Apr/80 |
| 40175 | Yakkamore      | 15 km SE  | Ravenshoe              | SE55/6  | 17 40 | 145 36 | Dec/74 | 500  | <i>Onthophagus foliaceus</i>     |    | Not found Apr/80 |
| 40175 | Yakkamore      | 15 km SE  | Ravenshoe              | SE55/6  | 17 40 | 145 36 | Dec/75 | 500  | <i>Onthophagus gazella</i>       | GP | Found Apr/76     |
| 40175 | Yakkamore      | 15 km SE  | Ravenshoe              | SE55/6  | 17 40 | 145 36 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/76     |

|       |                   |           |                 |         |       |        |        |      |                                  |    |                  |
|-------|-------------------|-----------|-----------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 40175 | Yakkamore         | 15 km SE  | Ravenshoe       | SE55/6  | 17 40 | 145 36 | Feb/70 | 1000 | <i>Hister nomas</i>              | T  | Found Apr/80     |
| 40202 | Wooroora          | 28 km S   | Ravenshoe       | SE55/6  | 17 49 | 144 32 | Mar/68 | 1591 | <i>Onthophagus gazella</i>       | T  | Found Feb/75     |
| 40256 | Rankines Farm     | 3 km SW   | Ravenshoe       | SE55/5  | 17 38 | 145 27 | Mar/68 | 168  | <i>Onthophagus gazella</i>       | T  | Not found        |
| 40256 | Rankines Farm     | 3 km SW   | Ravenshoe       | SE55/5  | 17 38 | 145 27 | Mar/68 | 205  | <i>Onthophagus sagittarius</i>   |    | Not found        |
| 40256 | Rankines Farm     | 3 km SW   | Ravenshoe       | SE55/5  | 17 38 | 145 27 | Apr/68 | 510  | <i>Onthophagus sagittarius</i>   |    | Not found        |
| 40256 | Rankines Farm     | 3 km SW   | Ravenshoe       | SE55/5  | 17 38 | 145 27 | Mar/68 | 873  | <i>Hister nomas</i>              |    | Found Feb/75     |
| 40256 | Rankines Farm     | 3 km SW   | Ravenshoe       | SE55/5  | 17 38 | 145 27 | Apr/68 | 166  | <i>Hister nomas</i>              |    | Found Feb/75     |
| 40260 | Millaaadale Stud  | 18 km ENE | Ravenshoe       | SE55/5  | 17 34 | 145 34 | Mar/68 | 500  | <i>Liatongus militaris</i>       |    | Not found        |
| 20636 | Recovery Area     | 2 km S    | Raymond Terrace | SI56/02 | 32 48 | 151 44 | Jan/70 |      | <i>Onthophagus gazella</i>       | C  | Found Mar/81     |
| 20636 | Recovery Area     | 2 km S    | Raymond Terrace | SI56/02 | 32 48 | 151 44 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20636 | Recovery Area     | 2 km S    | Raymond Terrace | SI56/02 | 32 48 | 151 44 |        |      | <i>Hister nomas</i>              |    | Found Mar/81     |
| 80298 | Recovery Area     | 23 km NE  | Renner Springs  | SE53/10 | 18 15 | 134 00 |        |      | <i>Onthophagus gazella</i>       | GP | Found May/81     |
| 80298 | Recovery Area     | 23 km NE  | Renner Springs  | SE53/10 | 18 15 | 134 00 |        |      | <i>Euoniticellus intermedius</i> |    | Found May/81     |
| 20695 | Kurrajong Hts     | 10 km NW  | Richmond        | SI56/5  | 33 33 | 150 40 |        |      | <i>Onthophagus binodis</i>       | WR | Found Mar/82     |
| 20695 | Kurrajong Hts     | 10 km NW  | Richmond        | SI56/5  | 33 33 | 150 40 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/82     |
| 20695 | Kurrajong Hts     | 10 km NW  | Richmond        | SI56/5  | 33 33 | 150 40 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82     |
| 20695 | Kurrajong Hts     | 10 km NW  | Richmond        | SI56/5  | 33 33 | 150 40 |        |      | <i>Hister nomas</i>              | C  | Found Mar/82     |
| 20002 | Tennyson Park     | 9 km NW   | Richmond (NSW)  | SI56/5  | 33 34 | 150 43 | Nov/71 | 426  | <i>Onthophagus gazella</i>       | C  | Found Nov/82     |
| 20002 | Tennyson Park     | 9 km NW   | Richmond (NSW)  | SI56/5  | 33 34 | 150 43 | Feb/75 | 500  | <i>Onthophagus binodis</i>       | SR | Found Mar/75     |
| 20002 | Tennyson Park     | 9 km NW   | Richmond (NSW)  | SI56/5  | 33 34 | 150 43 | Feb/75 | 500  | <i>Onitis alexis</i>             | C  | Found Feb/80     |
| 20002 | Tennyson Park     | 9 km NW   | Richmond (NSW)  | SI56/5  | 33 34 | 150 43 | Nov/71 | 500  | <i>Hister nomas</i>              |    | Found Mar/75     |
| 20002 | Tennyson Park     | 9 km NW   | Richmond (NSW)  | SI56/5  | 33 34 | 150 43 | Nov/71 | 620  | <i>Euoniticellus intermedius</i> |    | Found Feb/80     |
| 20264 | Tyreel            | km        | Richmond (NSW)  | SI56/5  | 33 37 | 150 42 | Apr/70 | 600  | <i>Euoniticellus africanus</i>   |    | Not found Feb/80 |
| 40033 | Burleigh          | 55 km N   | Richmond (Qld)  | SF54/4  | 20 16 | 143 6  | Mar/73 | 500  | <i>Hister nomas</i>              |    | Found Feb/75     |
| 40186 | Somerville        | 78 km NW  | Richmond (Qld)  | SF54/4  | 20 10 | 142 42 | Feb/75 | 500  | <i>Euoniticellus intermedius</i> | T  | Found Feb/75     |
| 40186 | Somerville        | 78 km NW  | Richmond (Qld)  | SF54/4  | 20 10 | 142 42 | Feb/75 | 500  | <i>Onitis alexis</i>             |    | Found Feb/80     |
| 40187 | Gladevale         | 90 km NW  | Richmond (Qld)  | SF54/4  | 20 15 | 142 28 | Feb/75 | 500  | <i>Euoniticellus intermedius</i> |    | Not found Feb/80 |
| 40240 | Yan Yean Stn      | 28 km NW  | Richmond (Qld)  | SF54/4  | 20 32 | 142 59 | Feb/71 | 2000 | <i>Euoniticellus intermedius</i> |    | Found Feb/75     |
| 50003 | Goodearth         | 19 km N   | Robe            | SJ54/6  | 37 0  | 139 50 | Aug/72 | 500  | <i>Onthophagus gazella</i>       | T  | Found Feb/75     |
| 20348 | Rose Hill         | 3 km E    | Robertson       | SI56/9  | 34 35 | 150 40 | Nov/76 | 2000 | <i>Onthophagus gazella</i>       | C  | Not found Oct/80 |
| 30022 | Somerville (MR.R) | 10 km E   | Rochester       | SJ55/1  | 36 20 | 144 48 | Mar/74 | 500  | <i>Onthophagus taurus</i>        | I  | Not found Mar/82 |
| 40010 | Craighoyle        | 27 km NW  | Rockhampton     | SF56/13 | 23 14 | 150 23 | Nov/77 | 350  | <i>Euoniticellus intermedius</i> |    | Not found Jun/79 |
| 40010 | Craighoyle        | 27 km NW  | Rockhampton     | SF56/13 | 23 14 | 150 23 | Dec/68 | 2811 | <i>Onthophagus obliquus</i>      | T  | Found May/76     |
| 40010 | Craighoyle        | 27 km NW  | Rockhampton     | SF56/13 | 23 14 | 150 23 | Dec/75 | 700  | <i>Onitis alexis</i>             | T  | Not found Jun/79 |
| 40010 | Craighoyle        | 27 km NW  | Rockhampton     | SF56/13 | 23 14 | 150 23 | Oct/77 | 500  | <i>Onthophagus obliquus</i>      | T  | Not found Jun/79 |
| 40010 | Craighoyle        | 27 km NW  | Rockhampton     | SF56/13 | 23 14 | 150 23 | Dec/76 | 9    | <i>Sisypus fortuitus</i>         |    | Found May/76     |
| 40010 | Craighoyle        | 27 km NW  | Rockhampton     | SF56/13 | 23 14 | 150 23 | Dec/68 | 4759 | <i>Onthophagus gazella</i>       | T  | Found May/76     |
| 40010 | Craighoyle        | 27 km NW  | Rockhampton     | SF56/13 | 23 14 | 150 23 | Nov/75 | 500  | <i>Onitis alexis</i>             | T  | Found May/76     |
| 40010 | Craighoyle        | 27 km NW  | Rockhampton     | SF56/13 | 23 14 | 150 23 | Dec/76 | 500  | <i>Onthophagus obliquus</i>      |    | Found May/76     |
| 40010 | Craighoyle        | 27 km NW  | Rockhampton     | SF56/13 | 23 14 | 150 23 | Mar/72 | 204  | <i>Sisypus spinipes</i>          |    | Found Apr/74     |

| Index | Property         | Location  | Town              | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status       |
|-------|------------------|-----------|-------------------|---------|-------|--------|--------|------|----------------------------------|----|--------------|
| 40010 | Craighoyle       | 27 km NW  | Rockhampton       | SF56/13 | 23 14 | 150 23 | Jan/77 | 514  | <i>Onitis viridulus</i>          |    | Found Mar/79 |
| 40010 | Craighoyle       | 27 km NW  | Rockhampton       | SF56/13 | 23 14 | 150 23 | Feb/69 | 423  | <i>Onthophagus sagittarius</i>   |    | Found May/76 |
| 40010 | Craighoyle       | 27 km NW  | Rockhampton       | SF56/13 | 23 14 | 150 23 | Dec/76 | 81   | <i>Sisyphus fortuitus</i>        | B  |              |
| 40010 | Craighoyle       | 27 km NW  | Rockhampton       | SF56/13 | 23 14 | 150 23 | Dec/68 | 256  | <i>Hister caffer</i>             |    | Not found    |
| 40010 | Craighoyle       | 27 km NW  | Rockhampton       | SF56/13 | 23 14 | 150 23 | Dec/68 | 119  | <i>Hister caffer</i>             |    | Not found    |
| 40010 | Craighoyle       | 27 km NW  | Rockhampton       | SF56/13 | 23 14 | 150 23 |        |      | <i>Euoniticellus intermedius</i> |    | Found May/76 |
| 40010 | Craighoyle       | 27 km NW  | Rockhampton       | SF56/13 | 23 24 | 150 23 | Apr/81 | 17   | <i>A. thalassinus</i>            | 1  |              |
| 40010 | Craighoyle       | 27 km NW  | Rockhampton       | SF56/13 | 23 14 | 150 23 | Feb/77 | 485  | <i>Coprus diversus</i>           |    |              |
| 40010 | Craighoyle       | 27 km NW  | Rockhampton       | SF56/13 | 23 24 | 150 23 | Apr/81 | 86   | <i>A. thalassinus</i>            | 1  |              |
| 40010 | Craighoyle       | 27 km NW  | Rockhampton       | SF56/13 | 23 24 | 150 23 | Mar/79 | 277  | <i>A. thalassinus</i>            | 1  |              |
| 40010 | Craighoyle       | 27 km NW  | Rockhampton       | SF56/13 | 23 14 | 150 23 | Nov/75 | 500  | <i>Euoniticellus africanus</i>   |    |              |
| 40010 | Craighoyle       | 27 km NW  | Rockhampton       | SF56/13 | 23 14 | 140 23 | Jan/69 | 2000 | <i>Liatongus militaris</i>       |    | Found May/76 |
| 40010 | Craighoyle       | 27 km NW  | Rockhampton       | SF56/13 | 23 14 | 150 23 | Jan/79 | 800  | <i>Coprus diversus</i>           |    |              |
| 40010 | Craighoyle       | 27 km NW  | Rockhampton       | SF56/13 | 23 24 | 150 23 | Mar/81 | 38   | <i>A. thalassinus</i>            | 1  |              |
| 40010 | Craighoyle       | 27 km NW  | Rockhampton       | SF56/13 | 23 14 | 150 23 | Dec/68 | 420  | <i>Liatongus militaris</i>       |    | Found May/76 |
| 40010 | Craighoyle       | 27 km NW  | Rockhampton       | SF56/13 | 23 24 | 150 23 | Feb/81 | 22   | <i>A. thalassinus</i>            | 1  |              |
| 40010 | Craighoyle       | 27 km NW  | Rockhampton       | SF56/13 | 23 24 | 150 23 | Jan/81 | 21   | <i>A. thalassinus</i>            | 1  |              |
| 40010 | Craighoyle       | 27 km NW  | Rockhampton       | SF56/13 | 23 14 | 150 23 | Nov/78 | 137  | <i>Coprus incertus</i>           |    | Not found    |
| 40010 | Craighoyle       | 27 km NW  | Rockhampton       | SF56/13 | 23 14 | 150 23 | Nov/72 | 300  | <i>Hister calidus</i>            |    | Not found    |
| 40067 | (Road Release)   | km        | Rockhampton       | SF55/13 | 23 24 | 150 38 |        |      | <i>Onthophagus gazella</i>       | T  | Found Oct/73 |
| 40067 | (Road Release)   | km        | Rockhampton       | SF56/13 | 23 24 | 150 30 |        |      | <i>Onthophagus gazella</i>       | GP | Found Jun/75 |
| 40424 | Recovery Area    | 10 km S   | Rockhampton       | SF56/13 | 23 29 | 140 30 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/76 |
| 40586 | Wowan Township   | 65 km SW  | Rockhampton       | SF56/13 | 23 55 | 150 12 | Nov/79 | 1500 | <i>Liatongus militaris</i>       |    |              |
| 40624 | Recovery Area    | 48 km SSE | Rockhampton       | SF56/13 | 23 42 | 150 43 |        |      | <i>Onthophagus gazella</i>       | T  | Found Feb/82 |
| 40624 | Recovery Area    | 48 km SSE | Rockhampton       | SF56/13 | 23 42 | 150 43 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 40624 | Recovery Area    | 48 km SSE | Rockhampton       | SF56/13 | 23 42 | 150 43 |        |      | <i>Liatongus militaris</i>       | T  | Found Feb/82 |
| 80259 | No. 6 + 29 Bores | km        | Rockhampton Downs | SE53/15 | 19 20 | 135 22 |        |      | <i>Onthophagus militaris</i>     | T  | Found Apr/80 |
| 80259 | No. 6+29 Bores   | km        | Rockhampton Downs | SE53/15 | 19 20 | 135 22 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Apr/80 |
| 80260 | No. 4 Bore       | km        | Rockhampton Downs | SE53/15 | 19 03 | 135 20 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/80 |
| 80260 | No. 4 Bore       | km        | Rockhampton Downs | SE53/15 | 19 03 | 135 20 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/80 |
| 80339 | No. 8 Bore       | km        | Rockhampton Downs | SE53/15 | 19 15 | 135 14 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/82 |
| 60269 | Powell's         | 20 km E   | Rockingham        | SI50/02 | 32 30 | 115 55 | Apr/81 | 230  | <i>Onitis aygulus</i>            | WR |              |
| 60269 | Powell's         | 20 km E   | Rockingham        | SI50/02 | 32 20 | 115 55 | Jun/80 | 320  | <i>Onitis aygulus</i>            | WR |              |
| 60269 | Powell's         | 20 km E   | Rockingham        | SI50/02 | 32 20 | 115 55 | Jul/80 | 300  | <i>Onitis aygulus</i>            | WR |              |
| 60269 | Powell's         | 20 km E   | Rockingham        | SI50/02 | 32 20 | 115 55 | Mar/81 | 327  | <i>Onitis aygulus</i>            | WR |              |
| 60269 | Powell's         | 20 km E   | Rockingham        | SI50/02 | 32 20 | 115 55 | Feb/81 | 355  | <i>Onitis aygulus</i>            | WR |              |
| 60272 | Moore (F&N&SN)   | 10 km WSW | Rockingham        | SI50/2  | 32 19 | 115 52 | Nov/80 | 1100 | <i>Onthophagus taurus</i>        | 3  |              |
| 60272 | Moore (F&N&SN)   | 10 km WSW | Rockingham        | SI50/2  | 32 19 | 115 52 | Nov/80 | 1200 | <i>Onthophagus taurus</i>        | 3  |              |
| 80338 | Bore & Cattle Yd |           | Rocklands Station | SE53/16 | 19 58 | 137 55 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/82 |
| 60249 | Elderslie        | 6 km SW   | Rocky Gully       | SI50/10 | 34 30 | 116 58 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR |              |

|       |                   |          |                     |         |       |        |        |      |                                  |    |                  |
|-------|-------------------|----------|---------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 60207 | Aylmore (J. & K.) | 9 km E   | Roelands            | SI50/6  | 33 16 | 115 54 | Feb/79 | 900  | <i>Onthophagus binodis</i>       | WR | Not found May/78 |
| 40122 | Barkala           | 30 km SE | Rolleston           | SG55/4  | 24 34 | 148 54 | Mar/76 | 650  | <i>Sisyphus infuscatus</i>       |    | Not found May/78 |
| 40122 | Barkala           | 30 km SE | Rolleston           | SH55/4  | 24 34 | 148 54 | Apr/76 | 240  | <i>Sisyphus infuscatus</i>       | T  | Not found May/78 |
| 40122 | Barkala           | 30 km SE | Rolleston           | SG55/4  | 24 34 | 148 54 | Apr/74 | 371  | <i>Onitis alexis</i>             | GP | Found Mar/76     |
| 40122 | Barkala           | 30 km SE | Rolleston           | SG55/4  | 24 34 | 148 54 | Apr/74 | 500  | <i>Onthophagus gazella</i>       |    | Found Mar/76     |
| 40122 | Barkala           | 30 km SE | Rolleston           | SG55/4  | 24 34 | 148 54 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> | GP | Found Jun/75     |
| 40383 | Recovery Area     | km       | Rolleston           | SG55/4  | 24 28 | 148 37 |        |      | <i>Onthophagus gazella</i>       | GP | Found Jun/75     |
| 40383 | Recovery Area     | km       | Rolleston           | SG55/4  | 24 28 | 148 37 |        |      | <i>Euoniticellus intermedius</i> | GP | Found Jun/75     |
| 40384 | Recovery Area     | 35 km NW | Rolleston           | SG55/3  | 24 19 | 148 23 |        |      | <i>Onthophagus gazella</i>       | GP | Found Jun/75     |
| 40384 | Recovery Area     | 35 km NW | Rolleston           | SG55/3  | 24 19 | 148 23 |        |      | <i>Euoniticellus intermedius</i> | GP | Found Jun/75     |
| 40494 | Kooyong           | 20 km E  | Rolleston           | SG55/4  | 24 26 | 148 49 | Feb/77 | 800  | <i>Sisyphus spinipes</i>         | T  | Not found May/78 |
| 40494 | Kooyong           | 20 km E  | Rolleston           | SG55/4  | 24 26 | 148 49 |        |      | <i>Onthophagus gazella</i>       |    | Found May/78     |
| 40494 | Kooyong           | 20 km E  | Rolleston           | SG55/4  | 24 26 | 148 49 |        |      | <i>Euoniticellus intermedius</i> |    | Found May/78     |
| 40494 | Kooyong           | 20 km E  | Rolleston           | SG55/4  | 24 26 | 148 49 |        |      | <i>Liatongus militaris</i>       |    | Not found May/78 |
| 40656 | Recovery Area     | 62 km SE | Rolleston           | SG55/04 | 24 38 | 149 06 | Feb/77 | 900  | <i>Onthophagus gazella</i>       | GP | Found Feb/82     |
| 40656 | Recovery Area     | 62 km SE | Rolleston           | SG55/04 | 24 38 | 149 06 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 40002 | Dalmally          | 35 km SW | Roma                | SG55/12 | 26 48 | 148 33 | Nov/69 | 500  | <i>Hister nomas</i>              | C  | Not found        |
| 40002 | Dalmally          | 35 km SW | Roma                | SG55/12 | 26 48 | 148 33 | Aug/72 | 286  | <i>Onitis alexis</i>             |    | Not found        |
| 40002 | Dalmally          | 35 km SW | Roma                | SG55/12 | 26 48 | 148 33 | Sep/72 | 300  | <i>Hister calidus</i>            |    | Not found        |
| 40002 | Dalmally          | 35 km SW | Roma                | SG55/12 | 26 48 | 148 33 | Dec/71 | 506  | <i>Euoniticellus intermedius</i> |    | Found Feb/75     |
| 40051 | Croydon           | 70 km N  | Roma                | SG55/12 | 26 2  | 148 35 | Aug/73 | 300  | <i>Sisyphus rubrus</i>           |    | Not found        |
| 40051 | Croydon           | 70 km N  | Roma                | SG55/12 | 26 2  | 148 35 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/76     |
| 40288 | Coonardoo         | 20 km SE | Roma                | SG55/12 | 26 42 | 148 58 |        |      | <i>Onthophagus gazella</i>       | T  | Found May/78     |
| 40289 | Coonardoo         | 20 km SE | Roma                | SG55/12 | 26 42 | 148 58 | Feb/80 | 4000 | <i>Sisyphus rubrus</i>           |    | Not found Mar/82 |
| 40289 | Coonardoo         | 20 km SE | Roma                | SG55/12 | 26 42 | 148 58 |        |      | <i>Onitis alexis</i>             | T  | Found Mar/82     |
| 40289 | Coonardoo         | 20 km SE | Roma                | SG55/12 | 26 42 | 148 58 | Oct/77 | 29   | <i>Onitis westermanni</i>        |    | Not found Mar/82 |
| 40289 | Coonardoo         | 20 km SE | Roma                | SG55/12 | 26 42 | 148 58 | Jan/77 | 202  | <i>Onitis westermanni</i>        |    | Not found Mar/82 |
| 40289 | Coonardoo         | 20 km SW | Roma                | SG55/12 | 26 42 | 148 58 | Oct/77 | 256  | <i>Onitis westermanni</i>        | B  | Not found Mar/82 |
| 40289 | Coonardoo         | 20 km SE | Roma                | SG55/12 | 26 42 | 148 58 | Jan/77 | 182  | <i>Copris elphnor</i>            | I  | Not found Mar/82 |
| 40289 | Coonardoo         | 20 km SE | Roma                | SG55/12 | 26 42 | 148 58 |        |      | <i>Euoniticellus intermedius</i> |    | Found May/78     |
| 40417 | Recovery Area     | 34 km SE | Roma                | SG55/12 | 26 48 | 148 56 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Dec/75     |
| 40536 | Roma Downs        | 10 km SE | Roma                | SG55/12 | 26 37 | 148 52 |        |      | <i>Onthophagus gazella</i>       |    | Found May/78     |
| 40573 | Recovery Area     |          | Roma                | SG55/12 | 26 35 | 148 47 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jun/79     |
| 40677 | Recovery Area     | 12 km W  | Roma                | SG55/12 | 26 35 | 148 42 |        |      | <i>Onitis alexis</i>             | T  | Found Mar/82     |
| 40677 | Recovery Area     | 12 km W  | Roma                | SG55/12 | 26 35 | 148 42 |        |      | <i>Onthophagus gazella</i>       | T  | Found Mar/82     |
| 40677 | Recovery Area     | 12 km W  | Roma                | SG55/12 | 26 35 | 148 42 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Mar/82     |
| 40678 | Recovery Area     | 33 km E  | Roma                | SG55/12 | 26 34 | 149 8  |        |      | <i>Onthophagus gazella</i>       | T  | Found Mar/82     |
| 40678 | Recovery Area     | 33 km E  | Roma                | SG55/12 | 26 34 | 149 8  |        |      | <i>Onitis alexis</i>             | T  | Found Mar/82     |
| 40678 | Recovery Area     | 33 km E  | Roma                | SG55/12 | 26 34 | 149 8  |        |      | <i>Euoniticellus intermedius</i> | T  | Found Mar/82     |
| 40679 | Yuleba            | 58 km E  | Roma                | SG55/12 | 26 36 | 149 23 |        |      | <i>Onthophagus gazella</i>       | T  | Found Mar/82     |
| 40679 | Yuleba            | 58 km E  | Roma                | SG55/12 | 26 36 | 149 23 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Mar/82     |
| 80108 | Recovery Area     | 48 km W  | Roper River Mission | SD53/10 | 14 41 | 134 18 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |

| Index | Property       | Location  | Town                | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status       |
|-------|----------------|-----------|---------------------|---------|-------|--------|--------|------|----------------------------------|----|--------------|
| 80109 | Recovery Area  | 32 km W   | Roper River Mission | SD53/10 | 14 42 | 134 27 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73 |
| 80110 | Recovery Area  | 16 km W   | Roper River Mission | SD53/10 | 14 42 | 134 34 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73 |
| 30044 | Moonah Downs   | 7 km S    | Rosebud             | SJ55/9  | 38 26 | 144 51 | Oct/81 | 1000 | <i>Onthophagus taurus</i>        | 3  |              |
| 30044 | Moonah Downs   | 7 km S    | Rosebud             | SJ55/9  | 38 26 | 144 51 | Dec/81 | 1300 | <i>Onthophagus taurus</i>        | 3  |              |
| 30026 | Lakeside       | 6 km W    | Rutherglen          | SJ55/2  | 36 3  | 146 26 | Jan/77 | 2650 | <i>Onthophagus taurus</i>        | WR | Found Mar/78 |
| 20096 | Huntingdale    | 40 km E   | Rylstone            | SI56/1  | 32 05 | 150 19 | Nov/73 | 500  | <i>Onthophagus gazella</i>       | C  |              |
| 20244 | Wongara        | 32 km ESE | Rylstone            | SI56/1  | 32 2  | 150 8  | Mar/75 | 500  | <i>Onitis atlexis</i>            | C  |              |
| 20244 | Wongara        | 32 km ESE | Rylstone            | SI56/1  | 32 2  | 150 8  | Mar/75 | 500  | <i>Euoniticellus intermedius</i> |    |              |
| 50037 | Recovery Area  | 1 km S    | SA/NT Border        | SG53/9  | 26 1  | 133 12 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/77 |
| 50038 | Recovery Area  | 24 km S   | SA/NT Border        | SG53/9  | 26 12 | 133 13 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/77 |
| 50039 | Recovery Area  | 43 km S   | SA/NT Border        | SG53/9  | 26 19 | 133 12 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/77 |
| 50040 | Recovery Area  | 70 km S   | SA/NT Border        | SG53/9  | 26 30 | 133 14 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/77 |
| 50041 | Recovery Area  | 100 km S  | SA/NT Border        | SG53/9  | 26 41 | 133 19 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/77 |
| 50042 | Recovery Area  | 132 km S  | SA/NT Border        | SG53/13 | 26 59 | 133 22 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/77 |
| 50043 | Recovery Area  | 149 km S  | SA/NT Border        | SG53/14 | 27 5  | 133 26 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/77 |
| 50044 | Recovery Area  | 169 km S  | SA/NT Border        | SG53/14 | 27 16 | 133 31 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/77 |
| 40584 | Recovery Area  | km        | Salby               | SG56/13 | 27 11 | 151 15 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Nov/79 |
| 20278 | Barrington Hse | 13 km NNW | Salisbury           | SI56/1  | 32 8  | 151 31 | Dec/75 | 500  | <i>Onitis atlexis</i>            | T  |              |
| 20537 | Recovery Area  | 26 km W   | Sandy Hollow        | SI56/1  | 32 24 | 150 26 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82 |
| 20537 | Recovery Area  | 26 km W   | Sandy Hollow        | SI56/1  | 32 24 | 150 26 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/78 |
| 20537 | Recovery Area  | 26 km W   | Sandy Hollow        | SI56/1  | 32 24 | 150 26 |        |      | <i>Euoniticellus africanus</i>   |    | Found Nov/78 |
| 20745 | Recovery Area  | 1 km W    | Sandy Hollow        | SI56/1  | 32 19 | 150 32 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 20745 | Recovery Area  | 1 km W    | Sandy Hollow        | SI56/1  | 32 19 | 150 32 |        |      | <i>Euoniticellus africanus</i>   |    | Found Feb/82 |
| 40155 | (Road Release) | 30 km S   | Sarina              | SF55/8  | 32 8  | 149 15 |        |      | <i>Onthophagus gazella</i>       | GP | Found Apr/75 |
| 40155 | (Road Release) | 30 km S   | Sarina              | SF55/8  | 21 8  | 149 15 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    | Not found    |
| 40156 | (Road Release) | 6 km S    | Sarina              | SF55/8  | 21 28 | 149 14 |        |      | <i>Onthophagus gazella</i>       | GP | Found Apr/75 |
| 40156 | (Road Release) | 6 km S    | Sarina              | SF55/8  | 21 28 | 149 14 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    | Not found    |
| 40249 | Tedlands       | 8 km S    | Sarina              | SF55/8  | 21 35 | 149 13 | Feb/71 | 1000 | <i>Onthophagus gazella</i>       | T  |              |
| 40249 | Tedlands       | 18 km S   | Sarina              | SF55/8  | 21 35 | 149 13 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/76 |
| 40634 | Recovery Area  | 50 km WSW | Sarina              | SF55/08 | 21 40 | 149 00 |        |      | <i>Onthophagus gazella</i>       | T  | Found Feb/82 |
| 40634 | Recovery Area  | 50 km WSW | Sarina              | SF55/08 | 21 40 | 149 00 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 40635 | Recovery Area  | 16 km NNW | Sarina              | SF55/08 | 21 18 | 149 11 |        |      | <i>Onthophagus sagittarius</i>   |    | Found Feb/82 |
| 40635 | Recovery Area  | 16 km NNW | Sarina              | SF55/08 | 21 18 | 149 11 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 20054 | Oratora Etc.   | 29 km E   | Scone               | SH56/1  | 32 1  | 151 5  | Dec/72 | 500  | <i>Onthophagus gazella</i>       | C  |              |
| 20054 | Oratora Etc.   | 29 km E   | Scone               | SH56/1  | 32 1  | 151 5  | Dec/72 | 300  | <i>Hister criuentus</i>          |    |              |
| 20189 | (Road Release) | 10 km E   | Scone               | SI56/1  | 32 2  | 150 57 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    |              |
| 20189 | (Road Release) | 10 km E   | Scone               | SI56/1  | 32 2  | 150 57 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |              |
| 20190 | (Road Release) | 10 km W   | Scone               | SI56/2  | 32 0  | 150 47 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    |              |
| 20190 | (Road Release) | 10 km W   | Scone               | SI56/2  | 32 0  | 150 47 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |              |
| 20191 | (Road Release) | 31 km W   | Scone               | SI56/1  | 32 3  | 150 37 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    |              |

|       |                  |           |                       |         |       |        |        |      |                                  |    |                  |
|-------|------------------|-----------|-----------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20191 | (Road Release)   | 31 km W   | Score                 | SI56/1  | 32.3  | 150.37 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> | WR | Not found Jan/82 |
| 70020 | Dawndale P. Com. | 12 km E   | Scottsdale            | SK55/04 | 41.13 | 147.09 | Feb/81 | 1000 | <i>Onthophagus binodis</i>       | 3  | Found Jan/82     |
| 60280 | Dirk Brook       | 6 km S    | Sepentine             | SI50/02 | 32.35 | 115.59 | Feb/81 | 1000 | <i>Euoniticellus pallipes</i>    | WR |                  |
| 60196 | Spagnolo & Son   | km        | Serpentine            | SI50/6  | 33.22 | 116.00 | Feb/79 | 1000 | <i>Onthophagus binodis</i>       | WR |                  |
| 60280 | Dirk Brook       | 6 km S    | Serpentine            | SI50/02 | 32.25 | 115.59 | May/82 | 500  | <i>Onitis caffer</i>             | WR |                  |
| 60280 | Dirk Brook       | 6 km S    | Serpentine            | SI50/02 | 32.25 | 115.59 | Jun/82 | 400  | <i>Onitis caffer</i>             | WR |                  |
| 60280 | Dirk Brook       | 6 km S    | Serpentine            | SI50/02 | 32.25 | 115.59 | Aug/83 | 195  | <i>Onitis caffer</i>             | WR | Found Dec/81     |
| 60280 | Dirk Brook       | 6 km S    | Serpentine            | SI50/02 | 32.25 | 115.59 |        |      | <i>Onthophagus binodis</i>       | WR |                  |
| 30042 | Bungle Boori     | 28 km ENE | Seymour               | SI55/1  | 36.59 | 145.22 | Sep/81 | 800  | <i>Onthophagus taurus</i>        | 3  |                  |
| 30042 | Bungle Boori     | 28 km ENE | Seymour               | SI55/1  | 36.59 | 145.22 | Aug/81 | 1400 | <i>Onthophagus taurus</i>        | 3  |                  |
| 20092 | Marilla Park     | 35 km NE  | Singleton             | SI56/1  | 32.14 | 151.29 | Sep/73 | 500  | <i>Onthophagus binodis</i>       | SR |                  |
| 20092 | Marilla Park     | 35 km NE  | Singleton             | SI56/1  | 32.14 | 151.29 | Sep/73 | 300  | <i>Onitis alexis</i>             | C  |                  |
| 20121 | (Road Release)   | 9 km SE   | Singleton             | SI56/1  | 32.38 | 151.12 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/81     |
| 20121 | (Road Release)   | 9 km SE   | Singleton             | SI56/1  | 32.38 | 151.12 |        |      | <i>Onitis alexis</i>             | C  | Found Mar/81     |
| 20121 | (Road Release)   | 9 km SE   | Singleton             | SI56/1  | 32.38 | 151.12 | Feb/74 | 550  | <i>Euoniticellus africanus</i>   | C  | Not found Feb/82 |
| 20121 | (Road Release)   | 9 km SE   | Singleton             | SI56/1  | 32.38 | 151.12 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Mar/81     |
| 20131 | Glenview         | 4 km S    | Singleton             | SI56/1  | 32.35 | 151.08 | Apr/74 | 450  | <i>Onthophagus gazella</i>       | C  | Not found Dec/78 |
| 20131 | Glenview         | 4 km S    | Singleton             | SI56/1  | 32.35 | 151.08 | Feb/75 | 500  | <i>Euoniticellus intermedius</i> | C  | Found Dec/78     |
| 20131 | Glenview         | 4 km S    | Singleton             | SI56/1  | 32.35 | 151.08 | Feb/75 | 500  | <i>Onitis alexis</i>             | C  | Found Jan/78     |
| 20131 | Glenview         | 4 km S    | Singleton             | SI56/1  | 32.35 | 151.08 |        |      | <i>Hister nomas</i>              | C  | Found Dec/78     |
| 20238 | (Road Release)   | 7 km NW   | Singleton             | SI56/1  | 32.31 | 151.9  |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20238 | (Road Release)   | 7 km NW   | Singleton             | SI56/1  | 32.31 | 151.9  |        |      | <i>Hister nomas</i>              | C  | Found Dec/78     |
| 20238 | (Road Release)   | 7 km NW   | Singleton             | SI56/1  | 32.31 | 151.9  | Feb/75 | 740  | <i>Euoniticellus intermedius</i> | C  | Found Dec/78     |
| 20238 | (Road Release)   | 7 km NW   | Singleton             | SI56/1  | 32.31 | 151.9  | Feb/75 | 260  | <i>Euoniticellus africanus</i>   | C  | Not found Feb/82 |
| 20238 | (Road Release)   | 7 km NW   | Singleton             | SI56/1  | 32.31 | 151.9  |        |      | <i>Onitis alexis</i>             | C  | Found Dec/78     |
| 20239 | (Road Release)   | 20 km SW  | Singleton             | SI56/1  | 32.39 | 151.4  | Feb/77 | 260  | <i>Euoniticellus africanus</i>   | C  |                  |
| 20239 | (Road Release)   | 20 km SW  | Singleton             | SI56/1  | 32.39 | 151.4  | Feb/75 | 740  | <i>Euoniticellus intermedius</i> | C  |                  |
| 20617 | Recovery Area    | 13 km SE  | Singleton             | SI56/01 | 32.36 | 151.12 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Feb/81     |
| 20650 | Howe's Valley    | 53 km SW  | Singleton             | SI56/01 | 32.50 | 150.51 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Mar/81     |
| 20741 | Recovery Area    | 18 km NE  | Singleton             | SI56/1  | 32.30 | 151.22 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20741 | Recovery Area    | 18 km NE  | Singleton             | SI56/1  | 32.30 | 151.22 |        |      | <i>Onitis alexis</i>             | C  | Found Feb/82     |
| 20741 | Recovery Area    | 18 km NE  | Singleton             | SI56/1  | 32.30 | 151.22 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Feb/82     |
| 20763 | Recovery Area    | 36 km ENE | Singleton             | SI56/2  | 32.27 | 151.33 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20763 | Recovery Area    | 36 km ENE | Singleton             | SI56/2  | 32.27 | 151.33 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Feb/82     |
| 70019 | Willas Park      | km        | Soreil                | SK55/06 | 42.47 | 147.35 | Feb/81 | 1000 | <i>Onthophagus binodis</i>       | WR |                  |
| 80236 | Arnhem Hwy       |           | South Alligator River | SD53/5  | 13.03 | 132.19 |        |      | <i>Onthophagus gazella</i>       | GP | Found May/79     |
| 80236 | Arnhem Hwy       |           | South Alligator River | SD53/5  | 13.03 | 132.19 |        |      | <i>Euoniticellus intermedius</i> | GP | Found May/79     |
| 20129 | Sunnyside        | 35 km WNW | South Grafton         | SH56/6  | 29.39 | 152.36 | Apr/74 | 500  | <i>Onthophagus gazella</i>       | C  |                  |
| 20359 | (Road Release)   | 3 km NE   | South Grafton         | SH56/6  | 29.41 | 152.58 |        |      | <i>Onthophagus gazella</i>       | GP | Found Feb/77     |
| 20359 | (Road Release)   | 3 km NE   | South Grafton         | SH56/6  | 29.41 | 152.58 | Feb/77 | 5000 | <i>Euoniticellus intermedius</i> | GP | Found Mar/81     |
| 20359 | (Road Release)   | 3 km NE   | South Grafton         | SH56/6  | 29.41 | 152.58 |        |      | <i>Hister nomas</i>              | C  | Found Feb/77     |
| 20359 | (Road Release)   | 3 km NE   | South Grafton         | SH56/6  | 29.41 | 152.58 | Feb/77 | 2000 | <i>Euoniticellus africanus</i>   | C  | Not found Mar/81 |

| Index | Property          | Location  | Town             | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                   | St | Status       |
|-------|-------------------|-----------|------------------|---------|-------|--------|--------|------|--------------------------------|----|--------------|
| 40246 | Barton Downs      | 30 km ENE | Springsure       | SG55/3  | 24 4  | 148 23 | Feb/71 | 1000 | <i>Onthophagus gazella</i>     | T  | Found May/76 |
| 40246 | Barton Downs      | 30 km ENE | Springsure       | SG55/3  | 24 4  | 148 23 |        |      | <i>Euonitellus intermedius</i> |    | Found May/76 |
| 40385 | Recovery Area     | 6 km NNE  | Springsure       | SG55/3  | 24 2  | 148 6  |        |      | <i>Onthophagus gazella</i>     | GP | Found Jun/75 |
| 40385 | Recovery Area     | 6 km NNE  | Springsure       | SG55/3  | 24 2  | 148 6  | Feb/80 | 2000 | <i>Sisyphus rubrus</i>         |    |              |
| 40385 | Recovery Area     | 6 km NNE  | Springsure       | SG55/3  | 24 2  | 148 6  |        |      | <i>Euonitellus intermedius</i> |    | Found Jun/75 |
| 50076 | Starick (KJ & JF) | 2 km W    | Springton        | SI54/9  | 34 42 | 139 03 | Dec/81 | 1100 | <i>Onitis aygulus</i>          | WR |              |
| 50078 | Yamba             | 1 km NW   | Springton        | SI54/9  | 34 42 | 139 04 | Jan/82 | 100  | <i>Onitis aygulus</i>          | WR |              |
| 50078 | Yamba             | 1 km NW   | Springton        | SI54/9  | 34 42 | 139 04 | Dec/81 | 400  | <i>Onitis aygulus</i>          | WR |              |
| 40008 | Bundoran          | 10 km SE  | St George        | SH55/4  | 28 8  | 148 39 |        |      | <i>Onthophagus gazella</i>     | GP | Found Jan/77 |
| 40008 | Bundoran          | 10 km SE  | St George        | SH55/4  | 28 8  | 148 39 | Oct/69 | 500  | <i>Hister nomas</i>            |    | Not found    |
| 40008 | Bundoran          | 10 km SE  | St George        | SH55/4  | 28 8  | 148 39 | Aug/72 | 324  | <i>Onitis alexis</i>           | C  | Found Dec/75 |
| 40008 | Bundoran          | 10 km SE  | St George        | SH55/4  | 28 8  | 148 39 | Feb/72 | 500  | <i>Euonitellus intermedius</i> |    | Found Dec/75 |
| 40008 | Bundoran          | 10 km SE  | St George        | SH55/4  | 28 08 | 148 39 | Oct/69 | 200  | <i>Copris incertus</i>         |    | Not found    |
| 40089 | Wyenna            | 80 km ESE | St George        | SH55/4  | 28 13 | 149 24 | Nov/73 | 500  | <i>Onthophagus gazella</i>     | C  | Found Feb/75 |
| 40089 | Wyenna            | 80 km ESE | St George        | SH55/4  | 28 13 | 149 24 | Nov/73 | 500  | <i>Onitis alexis</i>           | C  | Found Nov/77 |
| 40089 | Wyenna            | 80 km ESE | St George        | SH55/4  | 28 13 | 149 24 | Nov/73 | 500  | <i>Euonitellus intermedius</i> |    | Found Feb/75 |
| 40177 | Boombah           | 8 km SE   | St George        | SH55/4  | 28 05 | 148 37 | Jan/75 | 500  | <i>Onthophagus binodis</i>     | SR |              |
| 40378 | Recovery Area     | 4 km NE   | St George        | SH55/2  | 28 2  | 148 36 |        |      | <i>Onthophagus gazella</i>     | GP | Found Nov/74 |
| 40378 | Recovery Area     | 4 km NE   | St George        | SH55/2  | 28 2  | 148 36 |        |      | <i>Euonitellus intermedius</i> |    | Found Nov/74 |
| 40378 | Recovery Area     | 4 km NE   | St George        | SH55/2  | 28 2  | 148 36 |        |      | <i>Onitis alexis</i>           | C  | Found Nov/74 |
| 40379 | Recovery Area     | 40 km SE  | St George        | SH55/2  | 28 21 | 148 47 |        |      | <i>Onthophagus gazella</i>     | GP | Found Nov/74 |
| 40379 | Recovery Area     | 40 km SE  | St George        | SH55/2  | 28 21 | 148 47 |        |      | <i>Onitis alexis</i>           | C  | Found Nov/74 |
| 40379 | Recovery Area     | 40 km SE  | St George        | SH55/2  | 28 21 | 148 47 |        |      | <i>Euonitellus intermedius</i> |    | Found Nov/74 |
| 40414 | Recovery Area     | 45 km SE  | St George        | SH55/4  | 28 17 | 148 51 |        |      | <i>Onitis alexis</i>           | C  | Found Dec/75 |
| 40414 | Recovery Area     | 45 km SE  | St George        | SH55/4  | 28 17 | 148 51 |        |      | <i>Euonitellus intermedius</i> |    | Found Dec/75 |
| 40415 | Recovery Area     | 51 km NNE | St George        | SG55/16 | 27 43 | 148 46 |        |      | <i>Onitis alexis</i>           | C  | Found Dec/75 |
| 40415 | Recovery Area     | 51 km NNE | St George        | SG55/16 | 27 43 | 148 46 |        |      | <i>Euonitellus intermedius</i> |    | Found Dec/75 |
| 40459 | Recovery Area     | km        | St George        | SH55/4  | 28 3  | 148 35 |        |      | <i>Onthophagus gazella</i>     | GP | Found Jan/77 |
| 40459 | Recovery Area     | km        | St George        | SH55/4  | 28 3  | 148 35 |        |      | <i>Onitis alexis</i>           | C  | Found Jan/77 |
| 40459 | Recovery Area     | km        | St George        | SH55/4  | 28 3  | 148 35 |        |      | <i>Euonitellus intermedius</i> |    | Found Jan/77 |
| 40460 | Recovery Area     | 45 km NNW | St George        | SG55/15 | 27 46 | 148 28 |        |      | <i>Onthophagus gazella</i>     | GP | Found Jan/77 |
| 40460 | Recovery Area     | 45 km NNW | St George        | SG55/15 | 27 46 | 148 28 |        |      | <i>Euonitellus intermedius</i> |    | Found Jan/77 |
| 40460 | Recovery Area     | 45 km NNW | St George        | SG55/15 | 27 46 | 148 28 |        |      | <i>Onitis alexis</i>           | C  | Found Jan/77 |
| 40461 | Waterloo          | 70 km NNW | St George        | SG55/15 | 27 36 | 148 24 |        |      | <i>Onitis alexis</i>           | C  | Found Jan/77 |
| 40461 | Waterloo          | 70 km NNW | St George        | SG55/15 | 27 36 | 148 24 |        |      | <i>Euonitellus intermedius</i> |    | Found Jan/77 |
| 40588 | Engalby           | 30 km N   | St George        | SG55/16 | 27 48 | 148 35 | Feb/80 | 4000 | <i>Sisyphus rubrus</i>         |    |              |
| 40671 | Recovery Area     | 47 km W   | St George        | SG55/15 | 27 58 | 148 12 |        |      | <i>Onthophagus gazella</i>     | C  | Found Mar/82 |
| 20834 | Roadside          | 5 km E    | St Georges Basin | SI56/13 | 35 07 | 150 40 | Dec/80 | 1000 | <i>Onitis alexis</i>           | C  |              |
| 20835 | Roadside          | 4 km W    | St Georges Basin | SI56/13 | 35 07 | 150 36 | Dec/80 | 1000 | <i>Onitis alexis</i>           | C  |              |
| 7     | Overseas Series   |           | St Helena Island |         |       |        | Nov/73 | 500  | <i>Onthophagus gazella</i>     | C  |              |



|       |                 |                   |        |        |                                  |    |                  |
|-------|-----------------|-------------------|--------|--------|----------------------------------|----|------------------|
| 7     | Overseas Series | St Helena Island  | Oct/74 | 500    | <i>Onthophagus gazella</i>       | C  | Found Apr/75     |
| 7     | Overseas Series | St Helena Island  | Nov/73 | 300    | <i>Sisyphus rubrus</i>           |    | Found Apr/75     |
| 7     | Overseas Series | St Helena Island  | Nov/73 | 400    | <i>Onthophagus binodis</i>       | WR | Found Apr/75     |
| 7     | Overseas Series | St Helena Island  | Oct/74 | 500    | <i>Onitis alexis</i>             | C  |                  |
| 7     | Overseas Series | St Helena Island  | Oct/74 | 500    | <i>Onthophagus binodis</i>       | SR |                  |
| 7     | Overseas Series | St Helena Island  | Nov/73 | 410    | <i>Onitis alexis</i>             | C  |                  |
| 7     | Overseas Series | St Helena Island  | Oct/74 | 500    | <i>Euoniticellus intermedius</i> |    |                  |
| 70022 | Orana           | 8 km NNW          | Feb/83 | 112    | <i>Hister nomas</i>              |    |                  |
| 40159 | (Road Release)  | 42 km WSW         |        | 148 10 | <i>Onthophagus gazella</i>       | GP | Found Apr/75     |
| 40159 | (Road Release)  | 42 km WSW         | Apr/74 | 500    | <i>Euoniticellus intermedius</i> | GP | Found Apr/75     |
| 40160 | (Road Release)  | 40 km SSW         |        | 149 7  | <i>Onthophagus gazella</i>       |    | Found Apr/75     |
| 40160 | (Road Release)  | 48 km SSW         | Apr/74 | 500    | <i>Onthophagus gazella</i>       |    |                  |
| 40221 | Waverley        | 5 km WSW          | Jan/71 | 1000   | <i>Euoniticellus intermedius</i> | T  | Found Feb/75     |
| 40221 | Waverley        | 5 km WSW          | Jan/71 | 112    | <i>Onthophagus gazella</i>       | T  | Found Feb/75     |
| 40227 | Couti Outi      | 60 km E           | Jan/71 | 1000   | <i>Copris incertus</i>           | T  | Found Feb/75     |
| 40241 | Cardowan        | 54 km NW          | Jan/71 | 1000   | <i>Onthophagus gazella</i>       | T  | Found Feb/75     |
| 40521 | Barmount        | 50 km SW          | Feb/71 | 1000   | <i>Onthophagus gazella</i>       | T  | Found Feb/75     |
| 40521 | Barmount        | 50 km SW          | Feb/80 | 4000   | <i>Sisyphus rubrus</i>           |    |                  |
| 40521 | Barmount        | 50 km SW          |        | 149 06 | <i>Onthophagus gazella</i>       | GP | Found Dec/76     |
| 40521 | Barmount        | 50 km SW          |        | 149 06 | <i>Onthophagus gazella</i>       | C  | Found Feb/80     |
| 40027 | Cressy          | 60 km S           |        | 149 06 | <i>Euoniticellus intermedius</i> |    | Found Dec/76     |
| 70010 | Green Hills     |                   | Jan/73 | 500    | <i>Euoniticellus intermedius</i> |    |                  |
| 70010 | Green Hills     | Stanley (Seaside) | Jan/79 | 1000   | <i>Onthophagus taurus</i>        | 6  | Not found Jan/82 |
| 70010 | Green Hills     | Stanley (Seaside) | Feb/79 | 500    | <i>Onthophagus taurus</i>        | 6  | Not found Jan/82 |
| 40284 | Hannigans       | 8 km SSW          | Nov/78 | 700    | <i>Onthophagus taurus</i>        | 6  | Not found Jan/82 |
| 40284 | Hannigans       | 8 km SSW          |        | 151 54 | <i>Onthophagus gazella</i>       | C  | Found Mar/81     |
| 40284 | Hannigans       | 8 km SSW          |        | 151 54 | <i>Hister pecuarius</i>          | SR | Found Mar/81     |
| 40284 | Hannigans       | 8 km SSW          |        | 151 54 | <i>Onitis alexis</i>             | C  | Found Dec/78     |
| 40284 | Hannigans       | 8 km SSW          |        | 151 54 | <i>Onitis alexis</i>             | C  | Found Dec/78     |
| 40610 | Recovery Area   | 30 km N           | Nov/76 | 1100   | <i>Euoniticellus intermedius</i> | C  | Found Mar/81     |
| 40610 | Recovery Area   | 30 km N           |        | 151 54 | <i>Onthophagus gazella</i>       | C  | Found Mar/81     |
| 40610 | Recovery Area   | 30 km N           |        | 151 57 | <i>Hister nomas</i>              | C  | Found Mar/81     |
| 40610 | Recovery Area   | 30 km N           |        | 151 57 | <i>Onitis alexis</i>             | C  | Found Mar/81     |
| 40696 | Recovery Area   | 22 km SE          |        | 151 57 | <i>Euoniticellus intermedius</i> | C  | Found Mar/81     |
| 40696 | Recovery Area   | 22 km SE          |        | 151 50 | <i>Onthophagus gazella</i>       | C  | Found Mar/82     |
| 40696 | Recovery Area   | 22 km SE          |        | 151 50 | <i>Hister nomas</i>              | C  | Found Mar/82     |
| 40697 | Recovery Area   | 27 km N           |        | 151 50 | <i>Euoniticellus intermedius</i> |    | Found Mar/82     |
| 30030 | Stewart Park    | 8 km E            | Dec/78 | 800    | <i>Euoniticellus intermedius</i> | 5  | Found Oct/80     |
| 30030 | Stewart Park    | 8 km E            | Dec/78 | 1000   | <i>Euoniticellus intermedius</i> | 5  | Found Oct/80     |
| 30030 | Stewart Park    | 8 km E            | Jan/79 | 1100   | <i>Onthophagus taurus</i>        | 5  | Found Oct/80     |
| 80350 | Elizabeth Downs | 3 km E            |        | 142 38 | <i>Onthophagus taurus</i>        |    | Found Oct/80     |
| 80350 | Elizabeth Downs | 3 km E            |        | 142 38 | <i>Onthophagus gazella</i>       |    | Found Jul/83     |
|       |                 |                   |        | 130 29 | <i>Euoniticellus intermedius</i> |    | Found Jul/83     |

| Index | Property       | Location  | Town                | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|----------------|-----------|---------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 80307 | Amhem Highway  | 20 km E   | Sth Alligator River | SD53/1  | 12 53 | 132 40 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82     |
| 20669 | Recovery Area  | 1 km N    | Stockingbinal       | SI55/11 | 34 30 | 147 53 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 50031 | Blackwood Park | 5 km NW   | Strathalbyn         | SI54/13 | 35 14 | 138 51 | Nov/75 | 500  | <i>Onthophagus taurus</i>        | 1  | Found Oct/80     |
| 50034 | Ben Butter     | 15 km E   | Streaky Bay         | SI53/2  | 32 48 | 134 22 | Jun/77 | 620  | <i>Onitis aygulus</i>            | WR | Not found Oct/80 |
| 50035 | The Granites   | 58 km SE  | Streaky Bay         | SI53/6  | 33 4  | 134 34 | Aug/77 | 500  | <i>Onitis aygulus</i>            | WR | Found Oct/80     |
| 20050 | Gorton         | 13 km N   | Stroud              | SI56/2  | 32 17 | 151 57 | Dec/72 | 500  | <i>Onthophagus gazella</i>       | C  | Found Feb/75     |
| 20050 | Gorton         | 13 km N   | Stroud              | SI56/2  | 32 17 | 151 57 |        |      | <i>Hister nomas</i>              |    | Found Mar/75     |
| 20431 | Recovery Area  | 8 km N    | Stroud              | SI56/1  | 32 20 | 151 56 |        |      | <i>Hister nomas</i>              |    | Found Dec/76     |
| 20738 | Recovery Area  | km        | Stroud              | SI56/2  | 32 26 | 151 58 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20738 | Recovery Area  | km        | Stroud              | SI56/2  | 32 26 | 151 58 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Feb/82     |
| 80100 | Recovery Area  | 16 km E   | Stuart Highway T.O. | SD53/13 | 15 1  | 133 13 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jan/73     |
| 30038 | Rupertswood    | km        | Sunbury             | SI55/05 | 37 34 | 144 44 | Feb/80 | 2000 | <i>Onthophagus binodis</i>       | WR | Not found Oct/80 |
| 30038 | Rupertswood    | km        | Sunbury             | SI55/05 | 37 34 | 144 44 | Mar/80 | 433  | <i>Euoniticellus fulvus</i>      | 2  | Not found Oct/80 |
| 30038 | Rupertswood    | km        | Sunbury             | SI55/05 | 37 34 | 144 44 | Feb/80 | 700  | <i>Euoniticellus fulvus</i>      | 2  | Not found Oct/80 |
| 40335 | Recovery Area  | 13 km SW  | Surat               | SG55/16 | 27 13 | 149 00 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 40416 | Recovery Area  | 12 km N   | Surat               | SG55/16 | 27 4  | 149 5  |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/75     |
| 40587 | (Road Release) | 1 km W    | Surat               | SG55/16 | 27 09 | 149 03 | Feb/80 | 4000 | <i>Sisypus rubrus</i>            | C  | Found Feb/80     |
| 40587 | (Road Release) | 1 km W    | Surat               | SG55/16 | 27 09 | 149 04 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/80     |
| 20003 | Bywong         | 10 km N   | Sutton              | SI55/16 | 35 6  | 149 15 | Dec/71 | 456  | <i>Onthophagus binodis</i>       | SR | Not found        |
| 20003 | Bywong         | 10 km N   | Sutton              | SI55/16 | 35 6  | 149 15 | Sep/72 | 500  | <i>Onthophagus gazella</i>       | C  | Not found        |
| 20003 | Bywong         | 10 km N   | Sutton              | SI55/16 | 35 6  | 149 15 | Mar/72 | 300  | <i>Hister cruentus</i>           | C  | Not found        |
| 20003 | Bywong         | 10 km N   | Sutton              | SI55/16 | 35 6  | 149 15 | Oct/72 | 318  | <i>Onitis alexis</i>             | C  | Not found        |
| 20003 | Bywong         | 10 km N   | Sutton              | SI55/16 | 35 6  | 149 15 | Nov/71 | 510  | <i>Euoniticellus africanus</i>   | C  | Not found        |
| 20116 | Newbury Farm   | km        | Sutton Forest       | SI56/9  | 34 33 | 150 19 | Jan/74 | 500  | <i>Onthophagus gazella</i>       | C  | Found Mar/81     |
| 20660 | Recovery Area  | 15 km NE  | Swan Hill           | SI54/16 | 35 15 | 143 38 |        |      | <i>Onitis alexis</i>             | C  | Found Mar/81     |
| 30020 | Bideford       | 6 km W    | Swan Hill           | SI54/16 | 35 21 | 143 33 | Dec/73 | 550  | <i>Onthophagus gazella</i>       | C  | Not found Oct/80 |
| 30020 | Bideford       | 6 km W    | Swan Hill           | SI54/16 | 35 21 | 143 33 | Nov/73 | 500  | <i>Onthophagus binodis</i>       | WR | Not found Oct/80 |
| 30020 | Bideford       | 6 km W    | Swan Hill           | SI54/16 | 35 21 | 143 33 | Nov/73 | 300  | <i>Onitis alexis</i>             | C  | Not found Oct/80 |
| 30020 | Bideford       | 6 km W    | Swan Hill           | SI54/16 | 35 21 | 143 33 | Dec/73 | 350  | <i>Euoniticellus intermedius</i> |    | Not found Oct/80 |
| 30020 | Bideford       | 6 km W    | Swan Hill           | SI54/16 | 35 21 | 143 33 | Dec/73 | 50   | <i>Euoniticellus africanus</i>   |    | Not found Oct/80 |
| 20861 | Merck Sharpe   | km        | Sydney              | SI56/05 | 33 50 | 151 10 | Feb/84 | 200  | <i>Onthophagus gazella</i>       |    | Not found Oct/80 |
| 50011 | Linley Stud    | 3 km W    | Taillem Bend        | SI54/13 | 35 13 | 139 25 | Feb/79 | 700  | <i>Onthophagus binodis</i>       | WR | Found Oct/80     |
| 50011 | Linley Stud    | 3 km W    | Taillem Bend        | SI54/13 | 35 13 | 139 25 | Feb/79 | 1000 | <i>Onthophagus binodis</i>       | WR | Found Oct/80     |
| 50011 | Linley Stud    | 3 km W    | Taillem Bend        | SI54/13 | 35 13 | 139 25 | Apr/73 | 500  | <i>Onthophagus gazella</i>       | C  | Not found Mar/81 |
| 50057 | Craig Bank     | 2 km E    | Taillem Bend        | SI54/13 | 35 17 | 139 25 | Feb/80 | 1100 | <i>Onthophagus taurus</i>        | 3  | Not found Mar/81 |
| 20142 | Mt. Mitchell   | 17 km WNW | Tambar Springs      | SH55/16 | 31 18 | 149 40 |        |      | <i>Hister nomas</i>              |    | Found Nov/78     |
| 20142 | Mt. Mitchell   | 17 km WNW | Tambar Springs      | AH55/16 | 31 18 | 149 40 | Nov/78 | 500  | <i>Euoniticellus intermedius</i> |    | Not found Nov/78 |
| 20142 | Mt. Mitchell   | 17 km WNW | Tambar Springs      | SH55/16 | 31 18 | 149 40 | Nov/74 | 500  | <i>Euoniticellus africanus</i>   |    | Not found Nov/78 |
| 20542 | Recovery Area  | 7 km W    | Tambar Springs      | SH55/16 | 31 19 | 149 47 |        |      | <i>Euoniticellus africanus</i>   |    | Found Feb/78     |
| 20542 | Recovery Area  | 7 km W    | Tambar Springs      | SH55/16 | 31 19 | 149 47 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/78     |

|       |                   |            |          |         |       |        |        |      |                                  |    |                  |
|-------|-------------------|------------|----------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 40007 | Lansdowne         | 20 km S    | Tambo    | SG55/6  | 25 3  | 146 16 | Jan/72 | 519  | <i>Euoniticellus intermedius</i> |    | Found Feb/75     |
| 40109 | Manning Stn       | 38 km SE   | Tambo    | SG55/6  | 25 5  | 146 32 | Feb/74 | 473  | <i>Onthophagus gazella</i>       | GP | Found Aug/74     |
| 40341 | Nive Downs        | 110 km SSE | Tambo    | SG55/6  | 25 30 | 146 31 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 40342 | Chatham           | 50 km SSE  | Tambo    | SG55/6  | 25 9  | 146 28 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 40343 | Recovery Area     | 30 km NW   | Tambo    | SG55/2  | 24 44 | 146 5  |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/74     |
| 40472 | Minnie Downs      | 45 km SW   | Tambo    | SG55/6  | 25 2  | 145 52 |        |      | <i>Euoniticellus intermedius</i> | GP | Found Feb/78     |
| 40554 | Tambo Dairy       |            | Tambo    | SG55/2  | 24 53 | 146 14 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82     |
| 40554 | Tambo Dairy       |            | Tambo    | SG55/2  | 24 53 | 146 14 |        |      | <i>Onitis alexis</i>             | T  | Found Feb/78     |
| 40554 | Tambo Dairy       |            | Tambo    | SG55/2  | 24 53 | 146 14 |        |      | <i>Euoniticellus intermedius</i> | T  | Found May/78     |
| 40565 | Isoroy            | 16 km SW   | Tambo    | SG55/2  | 24 57 | 146 07 |        |      | <i>Onitis alexis</i>             | GP | Not found May/78 |
| 40565 | Isoroy            | 16 km SW   | Tambo    | SG55/2  | 24 57 | 146 07 |        |      | <i>Euoniticellus intermedius</i> |    | Found May/78     |
| 40565 | Isoroy            | 16 km SW   | Tambo    | SG55/2  | 24 57 | 146 07 |        |      | <i>Onitis alexis</i>             | T  | Found May/78     |
| 40567 | Acton             | 105 km SW  | Tambo    | SG55/5  | 25 27 | 145 26 |        |      | <i>Onthophagus gazella</i>       | GP | Found May/78     |
| 40567 | Acton             | 105 km SW  | Tambo    | SG55/5  | 25 27 | 145 26 |        |      | <i>Euoniticellus intermedius</i> |    | Found May/78     |
| 40567 | Acton             | 105 km SW  | Tambo    | SG55/5  | 25 27 | 145 26 |        |      | <i>Onitis alexis</i>             | T  | Found May/78     |
| 40568 | Recovery Area     | 11 km ESE  | Tambo    | SG55/2  | 24 55 | 146 19 |        |      | <i>Onthophagus gazella</i>       | C  | Not found Jan/82 |
| 20063 | Bective West      | 30 km NW   | Tamworth | SH56/09 | 30 58 | 150 38 | Jan/73 | 500  | <i>Onthophagus gazella</i>       | SR | Found Mar/81     |
| 20349 | Keira             | 10 km S    | Tamworth | SH56/13 | 31 12 | 150 56 | Dec/76 | 1600 | <i>Onitis pecuarius</i>          | C  | Found Mar/81     |
| 20349 | Keira             | 10 km S    | Tamworth | SH56/13 | 31 12 | 150 56 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/76     |
| 20349 | Keira             | 10 km S    | Tamworth | SH56/13 | 31 12 | 150 56 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/76     |
| 20432 | Goonoo Goonoo     | 25 km S    | Tamworth | SH56/13 | 31 20 | 150 52 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/78     |
| 20433 | Kootingal         | 18 km ENE  | Tamworth | SH56/13 | 31 5  | 151 3  |        |      | <i>Onthophagus gazella</i>       | C  | Found Jan/82     |
| 20536 | Recovery Area     | 15 km W    | Tamworth | SH56/9  | 30 59 | 150 46 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/76     |
| 20536 | Recovery Area     | 15 km W    | Tamworth | SH56/9  | 30 59 | 150 46 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/78     |
| 20547 | Recovery Area     | 24 km N    | Tamworth | SH56/9  | 30 57 | 150 53 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jan/82     |
| 20579 | Ag. & Rural Coll. | 10 km E    | Tamworth | SH56/13 | 31 05 | 151 00 |        |      | <i>Onthophagus gazella</i>       | C  | Found Dec/76     |
| 20702 | Bendemeer         | 40 km NE   | Tamworth | SH56/9  | 30 53 | 151 8  |        |      | <i>Onthophagus gazella</i>       | C  | Found Jan/82     |
| 20702 | Bendemeer         | 40 km NE   | Tamworth | SH56/9  | 30 53 | 151 8  |        |      | <i>Euoniticellus intermedius</i> |    | Found Jan/82     |
| 20702 | Bendemeer         | 40 km NE   | Tamworth | SH56/9  | 30 53 | 151 8  |        |      | <i>Euoniticellus africanus</i>   |    | Found Jan/82     |
| 20703 | Moonbi            | 16 km NE   | Tamworth | SH56/13 | 31 01 | 151 04 |        |      | <i>Onthophagus gazella</i>       | C  | Found Jan/82     |
| 20703 | Moonbi            | 16 km NE   | Tamworth | SH56/13 | 31 01 | 151 04 |        |      | <i>Euoniticellus africanus</i>   |    | Found Jan/82     |
| 20703 | Moonbi            | 16 km NE   | Tamworth | SH56/13 | 31 01 | 151 04 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jan/82     |
| 20760 | Recovery Area     | 31 km SE   | Tamworth | SH56/13 | 31 15 | 151 11 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20760 | Recovery Area     | 31 km SE   | Tamworth | SH56/13 | 31 15 | 151 11 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20760 | Recovery Area     | 31 km SE   | Tamworth | SH56/13 | 31 15 | 151 11 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 20760 | Recovery Area     | 31 km SE   | Tamworth | SH56/13 | 31 15 | 151 11 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 40594 | (Road Release)    | km         | Tara     | SH56/13 | 31 15 | 151 11 | Feb/80 | 4000 | <i>Hister nomas</i>              |    | Found Feb/82     |
| 40594 | (Road Release)    | km         | Tara     | SH56/13 | 27 17 | 150 28 |        |      | <i>Euoniticellus africanus</i>   |    | Found Feb/80     |
| 40594 | (Road Release)    | km         | Tara     | SH56/13 | 27 17 | 150 28 |        |      | <i>Sisyphus rubrus</i>           |    | Found Feb/80     |
| 40594 | (Road Release)    | km         | Tara     | SH56/13 | 27 17 | 150 28 |        |      | <i>Euoniticellus africanus</i>   | C  | Found Feb/80     |
| 20276 | Koorngaroo        | 21 km NE   | Tarago   | SI55/12 | 34 58 | 149 49 | Oct/75 | 500  | <i>Euoniticellus intermedius</i> |    | Found Feb/80     |
| 20070 | Tandara           | 21 km N    | Taralga  | SI55/12 | 34 14 | 149 47 | Feb/73 | 500  | <i>Onthophagus taurus</i>        | I  |                  |
| 20354 | Belvedere         | 7 km E     | Tarcutta | SI55/15 | 35 16 | 147 47 | Feb/77 | 1500 | <i>Onthophagus gazella</i>       | C  |                  |
|       |                   |            |          |         |       |        |        |      | <i>Onthophagus binodis</i>       | WR |                  |

| Index | Property        | Location   | Town          | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|-----------------|------------|---------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20138 | Bulby Brush     | 40 km SW   | Taree         | SI56/2  | 32 3  | 152 17 | Dec/73 | 500  | <i>Onthophagus gazella</i>       | C  |                  |
| 20138 | Bulby Brush     | 40 km SW   | Taree         | SI56/2  | 32 3  | 152 17 | Dec/73 | 500  | <i>Euoniticellus africanus</i>   |    |                  |
| 20255 | Peiken Stud     | 3 km NW    | Taree         | SH56/14 | 31 52 | 152 26 | Sep/69 | 1204 | <i>Hister nomas</i>              |    | Found Mar/81     |
| 20362 | (Road Release)  | 11 km S    | Taree         | SI56/2  | 32 02 | 152 29 | Feb/77 | 4000 | <i>Onthophagus gazella</i>       | C  | Found Feb/77     |
| 20362 | (Road Release)  | 11 km S    | Taree         | SI56/2  | 32 02 | 152 29 |        |      | <i>Hister nomas</i>              |    | Found Mar/81     |
| 20362 | (Road Release)  | 11 km S    | Taree         | SI56/2  | 32 02 | 152 29 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/76     |
| 20428 | Recovery Area   | 3 km S     | Taree         | SH56/14 | 31 57 | 152 26 |        |      | <i>Hister nomas</i>              |    | Found Feb/81     |
| 20620 | Recovery Area   | 31 km W    | Taree         | SH56/14 | 31 58 | 152 16 |        |      | <i>Hister nomas</i>              |    | Found Feb/81     |
| 20620 | Recovery Area   | 31 km W    | Taree         | SH56/14 | 31 58 | 152 16 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/81     |
| 20679 | Waverley        | 14 km WSW  | Taree         | SH56/14 | 31 58 | 152 20 | Oct/81 | 321  | <i>Onitis crenatus</i>           |    | Not found Feb/82 |
| 20679 | Waverley        | 14 km WSW  | Taree         | SH56/14 | 31 58 | 152 20 |        |      | <i>Hister nomas</i>              |    | Found Feb/82     |
| 20858 | Kolodong        | 10 km NW   | Taree         | SH56/14 | 31 55 | 152 27 | Mar/83 | 500  | <i>Onthophagus nigriventris</i>  |    |                  |
| 20859 | Forest Lodge    | 18 km W    | Taree         | SH56/14 | 31 55 | 152 18 | Mar/83 | 500  | <i>Onthophagus nigriventris</i>  |    |                  |
| 40288 | Lilyvale        | 8 km SE    | Taroom        | SG55/8  | 25 42 | 149 50 | Dec/79 | 382  | <i>Onitis uncinatus</i>          |    |                  |
| 40288 | Lilyvale        | 8 km SE    | Taroom        | SG55/8  | 25 42 | 149 50 | Dec/79 | 344  | <i>Onitis uncinatus</i>          |    |                  |
| 40288 | Lilyvale        | 8 km SE    | Taroom        | SG55/8  | 25 42 | 149 50 | Jan/80 | 229  | <i>Onitis uncinatus</i>          |    |                  |
| 40288 | Lilyvale        | 8 km SE    | Taroom        | SG55/8  | 25 42 | 149 50 | Mar/80 | 291  | <i>Onitis uncinatus</i>          |    | Not found May/78 |
| 40288 | Lilyvale        | 8 km SE    | Taroom        | SG55/8  | 25 42 | 149 50 | Jan/77 | 160  | <i>Onthophagus sagittarius</i>   |    | Not found May/78 |
| 40288 | Lilyvale        | 8 km SE    | Taroom        | SG55/8  | 25 42 | 149 50 | Jan/77 | 242  | <i>Onitis crenatus</i>           |    | Not found May/78 |
| 40288 | Lilyvale        | 8 km SE    | Taroom        | SG55/8  | 25 42 | 149 50 | Jan/77 | 1200 | <i>Sisyphus spinipes</i>         |    |                  |
| 40288 | Lilyvale        | 8 km SE    | Taroom        | SG55/8  | 25 42 | 149 50 | Jan/77 | 1300 | <i>Euoniticellus intermedius</i> |    | Found May/78     |
| 40659 | Recovery Area   | 5 km N     | Taroom        | SG55/8  | 25 42 | 149 50 | Jan/77 |      | <i>Liatongus militaris</i>       | T  | Not found May/78 |
| 40659 | Recovery Area   | 5 km N     | Taroom        | SG55/08 | 25 36 | 149 45 |        |      | <i>Onthophagus gazella</i>       | T  | Found May/78     |
| 40659 | Recovery Area   | 5 km N     | Taroom        | SG55/08 | 25 36 | 149 45 |        |      | <i>Onthophagus gazella</i>       | T  | Found Feb/82     |
| 30027 | Boggabri        | 17 km S    | Tarwin Lower  | SG55/08 | 25 36 | 149 45 |        |      | <i>Sisyphus rubrus</i>           |    | Found Feb/82     |
| 30027 | Boggabri        | 17 km S    | Tarwin Lower  | SG55/08 | 25 36 | 149 45 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 30027 | Boggabri        | 17 km S    | Tarwin Lower  | SG55/08 | 25 36 | 149 45 |        |      | <i>Euoniticellus intermedius</i> | 6  | Found Mar/80     |
| 30027 | Boggabri        | 17 km S    | Tarwin Lower  | SG55/08 | 25 36 | 149 45 |        |      | <i>Onthophagus taurus</i>        | 6  | Found Mar/80     |
| 20161 | Marnoo          | 22 km SW   | Temora        | SI55/11 | 34 35 | 147 25 | Dec/74 | 500  | <i>Onthophagus gazella</i>       | C  | Not found Oct/80 |
| 80006 | Brunette Downs  | 215 km NE  | Tennant Creek | SE53/11 | 18 39 | 135 57 | Mar/70 | 1000 | <i>Onthophagus gazella</i>       | T  | Found Jun/75     |
| 80006 | Brunette Downs  | 215 km NE  | Tennant Creek | SE53/11 | 18 39 | 135 57 | Mar/73 | 500  | <i>Euoniticellus intermedius</i> |    | Found Oct/80     |
| 80016 | Neutral Jctn    | 210 km S   | Tennant Creek | SF53/6  | 21 31 | 133 59 |        |      | <i>Onthophagus gazella</i>       | T  | Found Nov/83     |
| 80050 | Phillip Creek   | 38 km N    | Tennant Creek | SE53/14 | 19 17 | 134 7  |        |      | <i>Onthophagus gazella</i>       |    | Found Apr/80     |
| 80050 | Phillip Creek   | 38 km N    | Tennant Creek | SE53/14 | 19 17 | 134 7  | Mar/74 | 500  | <i>Euoniticellus intermedius</i> | T  | Found Jun/75     |
| 80052 | Rockhampton Dns | 130 km NE  | Tennant Creek | SE53/11 | 18 57 | 135 12 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/80     |
| 80052 | Rockhampton Dns | 130 km NE  | Tennant Creek | SE53/11 | 18 57 | 135 12 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Apr/80     |
| 80053 | Alroy Downs     | 200 km ENE | Tennant Creek | SE53/15 | 19 18 | 136 4  | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Apr/80     |
| 80059 | Tennant C. Stn  | 10 km N    | Tennant Creek | SE53/14 | 19 35 | 134 11 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/80     |

|       |                   |           |               |         |       |        |        |      |                                  |   |                  |
|-------|-------------------|-----------|---------------|---------|-------|--------|--------|------|----------------------------------|---|------------------|
| 80059 | Tennant C. Stn    | 10 km N   | Tennant Creek | SE53/14 | 19 35 | 134 11 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> | T | Found Apr/80     |
| 80061 | McLaren Creek     | 80 km S   | Tennant Creek | SF53/2  | 20 20 | 134 12 |        |      | <i>Onthophagus gazella</i>       |   | Found Apr/80     |
| 80061 | McLaren Creek     | 80 km S   | Tennant Creek | SF54/2  | 20 20 | 134 12 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |   | Found Feb/75     |
| 80061 | McLaren Creek     | 80 km S   | Tennant Creek | SF53/2  | 20 20 | 134 12 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |   | Found Feb/75     |
| 80072 | Epenarra Stn      | 146 km SE | Tennant Creek | SF53/3  | 20 26 | 135 16 | May/74 | 500  | <i>Euoniticellus intermedius</i> | T | Found Apr/80     |
| 80076 | Banka Banka       | 90 km N   | Tennant Creek | SE53/10 | 18 48 | 134 2  |        | 500  | <i>Onthophagus gazella</i>       |   | Found Apr/80     |
| 80076 | Banka Banka       | 90 km N   | Tennant Creek | SE53/10 | 18 48 | 134 2  | Jun/74 | 500  | <i>Euoniticellus intermedius</i> |   | Found Apr/80     |
| 80077 | Muchaty           | 110 km N  | Tennant Creek | SE53/10 | 18 38 | 133 52 |        | 500  | <i>Onthophagus gazella</i>       | T | Found Apr/80     |
| 80077 | Muckaty           | 110 km N  | Tennant Creek | SE53/10 | 18 38 | 133 52 | Jun/74 | 500  | <i>Euoniticellus intermedius</i> |   | Found Apr/80     |
| 80080 | Elkedra           | 210 km SE | Tennant Creek | SF53/7  | 21 10 | 135 27 | Dec/74 | 500  | <i>Euoniticellus intermedius</i> |   | Found May/81     |
| 80115 | Gilbert Creek     | 70 km S   | Tennant Creek | SF53/2  | 20 11 | 134 13 |        |      | <i>Onthophagus gazella</i>       | T | Found Apr/80     |
| 80115 | Gilbert Creek     | 70 km S   | Tennant Creek | SF53/2  | 20 11 | 134 13 |        |      | <i>Euoniticellus intermedius</i> |   | Found Jun/75     |
| 80116 | Neutral Junction  | 210 km S  | Tennant Creek | SF53/6  | 21 31 | 133 59 |        |      | <i>Euoniticellus intermedius</i> |   | Found Jun/75     |
| 80364 | Singleton Station | 140 km S  | Tennant Creek | SF53/02 | 20 41 | 134 11 |        |      | <i>Onthophagus gazella</i>       |   | Found Nov/83     |
| 80364 | Singleton Stn     | 140 km S  | Tennant Creek | SF53/02 | 20 41 | 134 11 |        |      | <i>Euoniticellus intermedius</i> |   | Found Nov/83     |
| 20040 | Riversdale        | 64 km W   | Tenterfield   | SH56/5  | 29 0  | 151 22 | Oct/72 | 500  | <i>Onthophagus gazella</i>       | C | Not found Mar/82 |
| 20040 | Riversdale        | 64 km W   | Tenterfield   | SH56/5  | 29 0  | 151 22 |        | 300  | <i>Euoniticellus intermedius</i> |   | Found Mar/82     |
| 20040 | Riversdale        | 64 km W   | Tenterfield   | SH56/5  | 29 0  | 151 22 | Oct/72 |      | <i>Hister cruentus</i>           |   | Not found Mar/82 |
| 20040 | Riversdale        | 64 km W   | Tenterfield   | SH56/5  | 29 0  | 151 22 |        |      | <i>Onitis alexis</i>             | C | Found Mar/82     |
| 20055 | Ballandree        | 16 km ENE | Tenterfield   | SH56/5  | 29 0  | 152 8  | Jan/73 | 500  | <i>Onthophagus gazella</i>       | C |                  |
| 20060 | Mayon Mount etc.  | 13 km ESE | Tenterfield   | SH56/6  | 29 5  | 152 7  | Jan/73 | 300  | <i>Onitis alexis</i>             | C |                  |
| 20561 | Coldawinda        | 5 km ESE  | Tenterfield   | SH56/06 | 29 05 | 152 02 | Nov/79 | 265  | <i>Onthophagus gazella</i>       | C | Found Mar/81     |
| 20561 | Coldawinda        | 5 km ESE  | Tenterfield   | SH56/06 | 29 05 | 152 02 |        |      | <i>Onitis crenatus</i>           |   | Not found Mar/82 |
| 20561 | Coldawinda        | 5 km ESE  | Tenterfield   | SH56/06 | 29 05 | 152 02 |        |      | <i>Euoniticellus intermedius</i> |   | Found Mar/81     |
| 20561 | Coldawinda        | 5 km ESE  | Tenterfield   | SH56/06 | 29 05 | 152 02 |        |      | <i>Hister nomas</i>              |   | Found Mar/81     |
| 20633 | Recovery Area     | 20 km W   | Tenterfield   | SH56/06 | 29 02 | 151 50 |        |      | <i>Onthophagus gazella</i>       | C | Found Feb/81     |
| 20633 | Recovery Area     | 20 km W   | Tenterfield   | SH56/06 | 29 02 | 151 50 |        |      | <i>Euoniticellus intermedius</i> |   | Found Feb/81     |
| 20633 | Recovery Area     | 20 km W   | Tenterfield   | SH56/06 | 29 02 | 151 50 |        |      | <i>Hister nomas</i>              |   | Found Feb/81     |
| 20648 | Bolivia           | 30 km S   | Tenterfield   | SH56/06 | 29 18 | 151 57 |        |      | <i>Onthophagus gazella</i>       | C | Found Mar/81     |
| 20648 | Bolivia           | 30 km S   | Tenterfield   | SH56/06 | 29 18 | 151 57 |        |      | <i>Euoniticellus intermedius</i> |   | Found Mar/81     |
| 20764 | Recovery Area     | 10 km W   | Tenterfield   | SH56/06 | 29 00 | 151 56 |        |      | <i>Onthophagus gazella</i>       | C | Found Mar/82     |
| 20764 | Recovery Area     | 10 km W   | Tenterfield   | SH56/06 | 29 00 | 151 56 |        |      | <i>Euoniticellus africanus</i>   |   | Found Mar/82     |
| 20764 | Recovery Area     | 10 km W   | Tenterfield   | SH56/06 | 29 00 | 151 56 |        |      | <i>Euoniticellus intermedius</i> |   | Found Mar/82     |
| 20772 | Recovery Area     | 6 km S    | Tenterfield   | S56/6   | 29 8  | 152 00 |        |      | <i>Euoniticellus intermedius</i> |   | Found Mar/82     |
| 20772 | Recovery Area     | 6 km S    | Tenterfield   | SH56/6  | 29 8  | 152 00 |        |      | <i>Hister nomas</i>              |   | Found Mar/82     |
| 20781 | Sandy Flat        | 25 km S   | Tenterfield   | SH56/6  | 29 14 | 152 00 |        |      | <i>Euoniticellus intermedius</i> |   | Found Mar/82     |
| 20781 | Sandy Flat        | 25 km S   | Tenterfield   | SH56/6  | 29 14 | 152 00 |        |      | <i>Euoniticellus africanus</i>   |   | Found Mar/82     |
| 20794 | Lake Tabourie     | 10 km NE  | Termeil       | SI56/13 | 35 27 | 150 25 | Dec/80 | 1500 | <i>Onitis alexis</i>             | C |                  |
| 20795 | Dermal Creek      | 4 km NE   | Termeil       | SI56/13 | 35 28 | 150 24 | Dec/80 | 1500 | <i>Onitis alexis</i>             | C |                  |
| 20796 | Township          | 5 km S    | Termeil       | SI56/13 | 35 27 | 150 22 | Dec/80 | 1500 | <i>Onitis alexis</i>             | C |                  |
| 20797 | Higgins Creek     | 5 km S    | Termeil       | SI56/13 | 35 32 | 150 20 | Dec/80 | 1500 | <i>Onitis alexis</i>             | C |                  |
| 20765 | Recovery Area     | 54 km SSE | Texas (Qld)   | SH56/5  | 29 11 | 151 18 |        |      | <i>Onthophagus gazella</i>       | C | Found Mar/82     |

| Index | Property         | Location   | Town              | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status       |
|-------|------------------|------------|-------------------|---------|-------|--------|--------|------|----------------------------------|----|--------------|
| 20766 | Recovery Area    | 9 km SSE   | Texas (Qld)       | SH56/1  | 28 54 | 151 11 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/82 |
| 20766 | Recovery Area    | 9 km SSE   | Texas (Qld)       | SH56/1  | 28 54 | 151 11 |        |      | <i>Onitis alexis</i>             | C  | Found Mar/82 |
| 20766 | Recovery Area    | 9 km SSE   | Texas (Qld)       | SH56/1  | 28 54 | 151 11 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82 |
| 20767 | Recovery Area    | 42 km W    | Texas (Qld)       | SH56/1  | 28 53 | 150 46 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/82 |
| 20767 | Recovery Area    | 42 km W    | Texas (Qld)       | SH56/1  | 28 53 | 150 46 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82 |
| 20767 | Recovery Area    | 42 km W    | Texas (Qld)       | SH56/1  | 28 53 | 150 46 |        |      | <i>Onitis alexis</i>             | C  | Found Mar/82 |
| 40606 | Recovery Area    | 9 km SE    | Texas (Qld)       | SH56/01 | 28 52 | 151 12 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/81 |
| 2     | Overseas Series  |            | Texas USA         |         |       |        | Apr/70 | 200  | <i>Liatopagus militaris</i>      |    |              |
| 2     | Overseas Series  |            | Texas USA         |         |       |        | Apr/70 | 200  | <i>Hister cruentus</i>           |    |              |
| 2     | Overseas series  |            | Texas USA         |         |       |        | Jul/72 | 220  | <i>Onthophagus gazella</i>       | C  | Found Jul/73 |
| 40107 | Nockatunga       | 110 km WNW | Thargomindah      | SG54/16 | 27 43 | 142 43 | Feb/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Nov/76 |
| 40438 | Recovery Area    | 5 km W     | Thargomindah      | SH54/4  | 28 0  | 143 42 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/76 |
| 40292 | Recovery Area    | 10 m NNE   | Theodore          | SG56/1  | 24 52 | 150 7  |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/76 |
| 40295 | Recovery Area    | 20 km NNE  | Theodore          | SG56/1  | 24 49 | 150 10 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/76 |
| 40423 | Recovery Area    | km         | Theodore          | SG56/01 | 24 57 | 150 04 |        |      | <i>Euoniticellus intermedius</i> | GP | Found Mar/76 |
| 40657 | Recovery Area    |            | Theodore          | SG56/1  | 24 57 | 150 05 |        |      | <i>Onthophagus gazella</i>       | GP | Found Feb/82 |
| 40658 | Recovery Area    | 42 km SW   | Theodore          | SG55/08 | 25 14 | 149 58 |        |      | <i>Onthophagus gazella</i>       | GP | Found Feb/82 |
| 40658 | Recovery Area    | 42 km SW   | Theodore          | SG55/08 | 25 14 | 149 58 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 60124 | Recovery Area    | 25 km W    | Three Rivers      | SG50/8  | 25 13 | 118 57 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76 |
| 20252 | Köebel (Mr Phil) | 6 km N     | Tia               | SH56/14 | 31 10 | 151 45 | Feb/69 | 510  | <i>Hister nomas</i>              |    |              |
| 40440 | Recovery Area    | 125 km NNE | Tibbooburra (NSW) | SH54/3  | 28 22 | 142 1  |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76 |
| 40441 | Naryilco         | 110 km NNW | Tibbooburra (NSW) | SH54/3  | 28 33 | 141 53 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76 |
| 40442 | Orientos         | 180 km NNE | Tibbooburra (NSW) | SH54/3  | 28 6  | 141 32 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76 |
| 40443 | Recovery Area    | 75 km N    | Tibbooburra (NSW) | SH54/3  | 28 49 | 141 56 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76 |
| 20111 | Moorabie         | 177 km SW  | Tibbooburra       | SH54/11 | 30 10 | 141 2  | Feb/74 | 500  | <i>Euoniticellus intermedius</i> |    |              |
| 20112 | Pindera Downs    | 51 km E    | Tibbooburra       | SH54/7  | 29 26 | 142 27 | Feb/74 | 500  | <i>Euoniticellus intermedius</i> |    |              |
| 20113 | Millring         | 56 km S    | Tibbooburra       | SH54/7  | 29 50 | 141 57 | Feb/74 | 500  | <i>Euoniticellus intermedius</i> |    |              |
| 20114 | Brindiwilpa      | 80 km SE   | Tibbooburra       | SH54/06 | 29 52 | 142 26 | Feb/74 | 500  | <i>Euoniticellus intermedius</i> |    |              |
| 20115 | Lake Wallace     | 129 km SW  | Tibbooburra       | SH54/11 | 30 07 | 141 27 | Feb/74 | 500  | <i>Euoniticellus intermedius</i> |    |              |
| 20374 | (Road Release)   | 22 km S    | Tibbooburra       | SH54/7  | 29 34 | 141 56 | Jan/77 | 500  | <i>Onitis alexis</i>             | C  |              |
| 20374 | (Road Release)   | 22 km S    | Tibbooburra       | SH54/7  | 29 34 | 141 56 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/77 |
| 20399 | Recovery Area    | 20 km N    | Tibbooburra       | SH54/7  | 29 18 | 142 2  |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76 |
| 20400 | Recovery Area    | 80 km ESE  | Tibbooburra       | SH54/8  | 29 34 | 142 38 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76 |
| 20469 | Recovery Area    | km         | Tibbooburra       | SH54/7  | 29 35 | 142 1  |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/77 |
| 20470 | Glenmore Bore    | 77 km S    | Tibbooburra       | SH54/7  | 29 58 | 142 3  |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/77 |
| 20471 | Recovery Area    | 160 km S   | Tibbooburra       | SH54/11 | 30 42 | 141 55 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/77 |
| 20405 | Recovery Area    | 15 km ENE  | Tilpa             | SH55/9  | 30 55 | 144 34 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76 |
| 80317 | Recovery Area    | 110 km E   | Timber Creek      | SD52/16 | 15 35 | 131 02 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82 |
| 80317 | Recovery Area    | 110 km E   | Timber Creek      | SD52/16 | 15 35 | 131 02 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82 |
| 80318 | Recovery Area    | 7 km W     | Timber Creek      | SD52/15 | 15 37 | 130 25 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82 |

|       |                  |           |              |         |       |        |        |                                  |    |                  |
|-------|------------------|-----------|--------------|---------|-------|--------|--------|----------------------------------|----|------------------|
| 80319 | Recovery Area    | 63 km SW  | Timber Creek | SD52/15 | 15 45 | 130 02 |        | <i>Onthophagus gazella</i>       | T  | Found Apr/82     |
| 80322 | Recovery Area    | 70 km SE  | Timber Creek | SD52/15 | 15 54 | 130 25 |        | <i>Onthophagus gazella</i>       | T  | Found Apr/82     |
| 80322 | Recovery Area    | 70 km SE  | Timber Creek | SD52/15 | 15 54 | 130 25 |        | <i>Euoniticellus intermedius</i> | T  | Found Apr/82     |
| 80323 | Recovery Area    | 116 km SE | Timber Creek | SE52/04 | 16 02 | 130 48 |        | <i>Onthophagus gazella</i>       | T  | Found Apr/82     |
| 60026 | Acadia           | 4 km N    | Tincurrin    | SI50/3  | 32 56 | 117 45 | 500    | <i>Onthophagus gazella</i>       | C  | Not found        |
| 60026 | Acadia           | 4 km N    | Tincurrin    | SI50/3  | 32 56 | 117 45 | 500    | <i>Euoniticellus intermedius</i> | C  | Not found        |
| 60026 | Acadia           | 4 km N    | Tincurrin    | SI50/3  | 32 56 | 117 45 | 500    | <i>Euoniticellus intermedius</i> | C  | Not found        |
| 20496 | Recovery Area    | 15 km E   | Tingha       | SH56/5  | 29 58 | 151 20 |        | <i>Euoniticellus intermedius</i> |    | Found Jan/77     |
| 60088 | Hammersley       | 45 km NNW | Tom Price    | SF50/11 | 22 18 | 117 40 | 1000   | <i>Onthophagus gazella</i>       | T  |                  |
| 60095 | Wyloo Station    | 160 km W  | Tom Price    | SF50/10 | 21 41 | 116 14 | 1260   | <i>Onthophagus gazella</i>       | T  |                  |
| 60251 | Culham Graz. Co. | 20 km N   | Toodyay      | SH50/14 | 31 23 | 116 28 | 850    | <i>Onthophagus taurus</i>        | 3  |                  |
| 60251 | Culham Graz. Co. | 20 km N   | Toodyay      | SH50/14 | 31 23 | 116 28 | 1600   | <i>Onthophagus taurus</i>        | 3  |                  |
| 60325 | Recovery Area    | 6 km S    | Toodyay      | SH50/14 | 31 36 | 116 31 | 116 31 | <i>Onitis alexis</i>             | C  | Found Mar/82     |
| 60325 | Recovery Area    | 6 km S    | Toodyay      | SH50/14 | 31 36 | 116 31 | 116 31 | <i>Euoniticellus intermedius</i> |    | Found Mar/82     |
| 60325 | Recovery Area    | 6 km S    | Toodyay      | SH50/14 | 31 36 | 116 31 | 116 31 | <i>Euoniticellus pallipes</i>    | 2  | Found Mar/82     |
| 60327 | Recovery Area    | 3 km N    | Toodyay      | SH50/14 | 31 31 | 116 28 | 116 28 | <i>Euoniticellus intermedius</i> |    | Found Mar/82     |
| 60354 | White Lakes      | 2 km S    | Toodyay      | SH50/14 | 31 35 | 116 25 | 319    | <i>Onthophagus vacca</i>         | 5  |                  |
| 40058 | (Road Release)   | 40 km S   | Toowoomba    | SG56/14 | 27 52 | 151 59 | 500    | <i>Onthophagus gazella</i>       | C  | Found Nov/76     |
| 40058 | (Road Release)   | 40 km S   | Toowoomba    | SG56/14 | 27 52 | 151 59 | 500    | <i>Euoniticellus intermedius</i> | C  | Found Mar/82     |
| 40059 | Crows Nest       | 40 km N   | Toowoomba    | SG56/14 | 27 15 | 152 3  | 500    | <i>Onthophagus gazella</i>       | C  | Found Mar/82     |
| 40059 | Crows Nest       | 40 km N   | Toowoomba    | SG56/14 | 27 15 | 152 3  | 500    | <i>Hister nomas</i>              |    | Found Mar/82     |
| 40059 | Crows Nest       | 40 km N   | Toowoomba    | SG56/14 | 27 15 | 152 3  | 500    | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 40059 | Crows Nest       | 40 km N   | Toowoomba    | SG56/14 | 27 15 | 152 3  | 500    | <i>Onitis alexis</i>             | C  | Found Mar/82     |
| 40060 | Cooyar           | 60 km N   | Toowoomba    | SG56/10 | 26 59 | 151 50 | 500    | <i>Onthophagus binodis</i>       | SR | Not found        |
| 40060 | Cooyar           | 60 km N   | Toowoomba    | SG56/10 | 26 59 | 151 50 | 500    | <i>Onthophagus gazella</i>       | C  | Found Nov/76     |
| 40060 | Cooyar           | 60 km N   | Toowoomba    | SG56/10 | 26 59 | 151 50 | 300    | <i>Onitis alexis</i>             | C  | Found Nov/76     |
| 40060 | Cooyar           | 60 km N   | Toowoomba    | SG56/10 | 26 59 | 151 50 | 500    | <i>Euoniticellus intermedius</i> |    | Found Jun/75     |
| 40169 | Boxmoor          | 23 km NE  | Toowoomba    | SG56/14 | 27 32 | 152 12 | 522    | <i>Onthophagus binodis</i>       | SR | Found Nov/76     |
| 40169 | Boxmoor          | 23 km NE  | Toowoomba    | SG56/14 | 27 32 | 152 12 | 522    | <i>Onthophagus gazella</i>       | GP | Found Nov/76     |
| 40169 | Boxmoor          | 23 km NE  | Toowoomba    | SG56/14 | 27 32 | 152 12 | 522    | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 40169 | Boxmoor          | 23 km NE  | Toowoomba    | SG56/14 | 27 32 | 152 12 | 522    | <i>Onitis alexis</i>             | C  | Found Nov/76     |
| 40285 | Petua Heights    | 12 km N   | Toowoomba    | SG56/14 | 27 27 | 151 58 | 452    | <i>Onitis crenatus</i>           |    | Not found Mar/82 |
| 40285 | Petua Heights    | 12 km N   | Toowoomba    | SG56/14 | 27 27 | 151 58 | 1320   | <i>Onitis crenatus</i>           |    | Not found Mar/82 |
| 40285 | Petua Heights    | 12 km N   | Toowoomba    | SG56/14 | 27 27 | 151 58 | 450    | <i>Onitis vanderkelleni</i>      |    | Not found Mar/82 |
| 40285 | Petua Heights    | 12 km N   | Toowoomba    | SG56/14 | 27 27 | 151 58 | 700    | <i>Onitis crenatus</i>           |    | Not found Mar/82 |
| 40285 | Petua Heights    | 12 km N   | Toowoomba    | SG56/14 | 27 27 | 151 58 | 2000   | <i>Onitis pecuarius</i>          | SR | Found Mar/82     |
| 40285 | Petua Heights    | 12 km N   | Toowoomba    | SG56/14 | 27 27 | 151 58 | 300    | <i>Onthophagus gazella</i>       | C  | Found Dec/78     |
| 40285 | Petua Heights    | 12 km N   | Toowoomba    | SG56/14 | 27 27 | 151 58 | 300    | <i>Onthophagus nigriventris</i>  |    | Not found Mar/82 |
| 40285 | Petua Heights    | 12 km N   | Toowoomba    | SG56/14 | 27 27 | 151 58 | 300    | <i>Onitis alexis</i>             | C  | Found Dec/78     |
| 40285 | Petua Heights    | 12 km N   | Toowoomba    | SG56/14 | 27 27 | 151 58 | 300    | <i>Euoniticellus intermedius</i> |    | Found Dec/78     |
| 40285 | Petua Heights    | 12 km N   | Toowoomba    | SG56/14 | 27 27 | 151 58 | 300    | <i>Euoniticellus intermedius</i> |    | Found Dec/78     |
| 40285 | Petua Heights    | 12 km N   | Toowoomba    | SG56/14 | 27 27 | 151 58 | 300    | <i>Hister nomas</i>              |    | Found Dec/78     |
| 40455 | Recovery Area    | 40 km SSW | Toowoomba    | SG56/14 | 27 51 | 151 45 | 27 51  | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 40456 | Recovery Area    | 60 km SSW | Toowoomba    | SG56/14 | 27 58 | 151 39 | 27 58  | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |

| Index | Property         | Location  | Town                 | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|------------------|-----------|----------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 40686 | Recovery Area    | 28 km NW  | Toowoomba            | SG56/14 | 27 27 | 151 44 |        |      | <i>Euoniticeilus intermedius</i> |    | Found Mar/82     |
| 40687 | Recovery Area    | 68 km NNW | Toowoomba            | SG56/14 | 27 18 | 151 57 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/82     |
| 40687 | Recovery Area    | 68 km NNW | Toowoomba            | SG56/14 | 27 18 | 151 57 |        |      | <i>Euoniticeilus intermedius</i> |    | Found Mar/82     |
| 40718 | Kalimna          | 10 km N   | Toowoomba            | SG56/14 | 27 33 | 152 00 | Jun/83 | 480  | <i>Onitis caffer</i>             | SR |                  |
| 40718 | Kalimna          | 10 km N   | Toowoomba            | SG56/14 | 27 33 | 152 00 | Jun/83 | 155  | <i>Onitis caffer</i>             | SR |                  |
| 40718 | Kalimna          | 10 km N   | Toowoomba            | SG56/14 | 27 33 | 152 00 | Jun/83 | 480  | <i>Onitis caffer</i>             | SR |                  |
| 40718 | Kalimna          | 10 km N   | Toowoomba            | SG56/14 | 27 33 | 152 00 | Apr/84 | 500  | <i>Onitis caffer</i>             | SR |                  |
| 40718 | Kalimna          | 10 km N   | Toowoomba            | SG56/14 | 27 33 | 152 00 | Jul/83 | 258  | <i>Onitis caffer</i>             | SR |                  |
| 40718 | Kalimna          | 10 km N   | Toowoomba            | SG56/14 | 27 33 | 152 00 | Jun/83 | 297  | <i>Onitis caffer</i>             | SR |                  |
| 40718 | Kalimna          | 10 km N   | Toowoomba            | SG56/14 | 27 33 | 152 00 | Aug/83 | 42   | <i>Onitis caffer</i>             | SR |                  |
| 40718 | Kalimna          | 10 km N   | Toowoomba            | SG56/14 | 27 33 | 152 00 | May/83 | 255  | <i>Onitis caffer</i>             | SR |                  |
| 40056 | (Road Release)   | 32 km E   | Toowoomba (Gatton)   | SG56/14 | 27 35 | 152 13 | Oct/73 | 500  | <i>Onthophagus gazella</i>       | C  | Found Jun/75     |
| 40057 | (Road Release)   | 5 km E    | Toowoomba (Withcott) | SG56/14 | 27 52 | 152 2  | Oct/73 | 500  | <i>Onthophagus gazella</i>       | C  | Not found        |
| 40057 | (Road Release)   | 5 km E    | Toowoomba (Withcott) | SG56/14 | 27 33 | 152 2  | Oct/73 | 500  | <i>Onthophagus binodis</i>       | SR | Found Jun/75     |
| 40057 | (Road Release)   | 5 km E    | Toowoomba (Withcott) | SG56/14 | 27 33 | 152 2  | Oct/73 | 300  | <i>Euoniticeilus intermedius</i> | C  | Found Jun/75     |
| 80343 | Recovery Area    | 18 km NW  | Top Springs          | SE52/4  | 16 28 | 131 43 |        |      | <i>Onitis alexis</i>             | T  | Found Jun/75     |
| 80343 | Recovery Area    | 18 km NW  | Top Springs          | SE52 4  | 16 28 | 131 43 |        |      | <i>Onthophagus gazella</i>       |    | Found Aug/82     |
| 40039 | Lansdown (CSIRO) | 48 km S   | Townsville           | SE55/14 | 19 35 | 146 50 | Apr/73 | 300  | <i>Euoniticeilus intermedius</i> |    | Found Aug/82     |
| 40039 | Lansdown (CSIRO) | 48 km S   | Townsville           | SE55/14 | 19 35 | 146 50 | Jan/69 | 125  | <i>Sisyphus spinipes</i>         | T  | Found Jan/69     |
| 40039 | Lansdown (CSIRO) | 48 km S   | Townsville           | SE55/14 | 19 35 | 146 50 |        |      | <i>Onthophagus gazella</i>       |    | Found Jun/69     |
| 40039 | Lansdown (CSIRO) | 48 km S   | Townsville           | SE55/14 | 19 35 | 146 50 | Jan/74 | 500  | <i>Onthophagus sagittarius</i>   | T  |                  |
| 40039 | Lansdown (CSIRO) | 48 km S   | Townsville           | SE55/14 | 19 35 | 146 50 | Jan/69 | 1115 | <i>Onitis alexis</i>             | T  | Found Jan/69     |
| 40039 | Lansdown (CSIRO) | 48 km S   | Townsville           | SE55/14 | 19 35 | 146 50 | Dec/71 | 220  | <i>Onthophagus gazella</i>       | T  |                  |
| 40039 | Lansdown (CSIRO) | 48 km S   | Townsville           | SE55/14 | 19 35 | 146 50 | Feb/69 | 1457 | <i>Hister calidus</i>            |    | Found Apr/75     |
| 40039 | Lansdown (CSIRO) | 48 km S   | Townsville           | SE55/14 | 19 35 | 146 50 |        |      | <i>Euoniticeilus intermedius</i> |    | Found Apr/75     |
| 40073 | (Road Release)   | 47 km S   | Townsville           | SE55/14 | 19 49 | 146 50 | Feb/68 | 612  | <i>Hister nomas</i>              |    | Not found Apr/75 |
| 40090 | (Road Release)   | 32 km S   | Townsville           | SE55/14 | 19 40 | 146 50 | Oct/73 | 500  | <i>Onthophagus gazella</i>       | GP |                  |
| 40091 | (Road Release)   | 39 km S   | Townsville           | SE55/14 | 19 44 | 146 51 | Dec/73 | 1000 | <i>Euoniticeilus intermedius</i> |    | Found Apr/75     |
| 40092 | (Road Release)   | 18 km S   | Townsville           | SE55/14 | 19 30 | 146 52 | Dec/73 | 1000 | <i>Euoniticeilus intermedius</i> |    | Not found        |
| 40092 | (Road Release)   | 18 km S   | Townsville           | SE55/14 | 19 30 | 146 52 | Dec/73 | 1000 | <i>Onthophagus sagittarius</i>   | GP | Found Apr/75     |
| 40092 | (Road Release)   | 18 km S   | Townsville           | SE55/14 | 19 30 | 146 52 |        |      | <i>Euoniticeilus intermedius</i> |    | Found Apr/75     |
| 40092 | (Road Release)   | 18 km S   | Townsville           | SE55/14 | 19 30 | 146 52 | Dec/73 | 1000 | <i>Liatongus militaris</i>       |    | Not found        |
| 40093 | (Road Release)   | 29 km SE  | Townsville           | SE55/15 | 19 30 | 147 02 | Dec/73 | 1000 | <i>Euoniticeilus intermedius</i> |    | Found Apr/75     |
| 40096 | Wongaloo         | 40 km SE  | Townsville           | SE55/15 | 19 31 | 147 1  | Jan/74 | 500  | <i>Euoniticeilus intermedius</i> | T  | Not found        |
| 40123 | (Road Release)   | 69 km SSW | Townsville           | SE55/14 | 19 50 | 146 42 |        |      | <i>Onitis alexis</i>             | GP | Found Apr/75     |
| 40123 | (Road Release)   | 69 km SSW | Townsville           | SE55/14 | 19 50 | 146 42 | Apr/74 | 500  | <i>Onthophagus gazella</i>       |    | Found Apr/75     |
| 40213 | Town Common      | km        | Townsville           | SE55/14 | 19 17 | 146 46 | Mar/68 | 177  | <i>Euoniticeilus intermedius</i> | T  | Found Apr/75     |
| 40213 | Town Common      | km        | Townsville           | SE55/14 | 19 17 | 146 46 | Mar/70 | 75   | <i>Onthophagus gazella</i>       |    | Found Apr/75     |
| 40213 | Town Common      | km        | Townsville           | SE55/14 | 19 17 | 146 46 |        |      | <i>Onthophagus sagittarius</i>   |    | Found Apr/75     |



|       |                 |            |              |         |       |        |        |      |                                  |    |                  |
|-------|-----------------|------------|--------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 40213 | Town Common     | km         | Townsville   | SE55/14 | 19 17 | 146 46 | Dec/68 | 2023 | <i>Onthophagus gazella</i>       | T  | Found Apr/75     |
| 40213 | Town Common     | km         | Townsville   | SE55/14 | 19 17 | 146 46 | Aug/69 | 960  | <i>Onthophagus gazella</i>       | T  | Found Apr/75     |
| 40213 | Town Common     | km         | Townsville   | SE55/14 | 19 17 | 146 46 | Apr/68 | 428  | <i>Onthophagus gazella</i>       | T  | Found Apr/75     |
| 40213 | Town Common     | km         | Townsville   | SE55/14 | 19 17 | 146 46 | Apr/69 | 116  | <i>Hister caffer</i>             |    | Not found Apr/80 |
| 40213 | Town Common     | km         | Townsville   | SE55/14 | 19 17 | 146 46 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/76     |
| 40213 | Town Common     | km         | Townsville   | SE55/14 | 19 17 | 146 46 | Dec/69 | 159  | <i>Copris incertus</i>           |    | Not found Apr/80 |
| 40213 | Town Common     | km         | Townsville   | SE55/14 | 19 17 | 146 46 | Jun/69 | 2240 | <i>Liatongus militaris</i>       |    | Found Apr/75     |
| 40213 | Town Common     | km         | Townsville   | SE55/14 | 19 17 | 146 46 | Aug/69 | 2489 | <i>Liatongus militaris</i>       |    | Found Apr/75     |
| 40213 | Town Common     | km         | Townsville   | SE55/14 | 19 17 | 146 46 | Apr/69 | 500  | <i>Liatongus militaris</i>       |    | Found Apr/75     |
| 20004 | Somerlea Park   | 16 km SE   | Trangie      | SI55/3  | 32 7  | 148 7  | Nov/71 | 540  | <i>Euoniticellus intermedius</i> |    | Found Feb/75     |
| 20119 | Trangie Station | 3 km E     | Trangie      | SI55/3  | 32 1  | 148 2  | Feb/74 | 550  | <i>Euoniticellus intermedius</i> |    | Found Feb/75     |
| 20151 | Corambie        | 23 km S    | Trangie      | SI55/3  | 32 13 | 147 50 | Dec/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Feb/75     |
| 20158 | Arlie           | 27 km S    | Trangie      | SI55/3  | 32 11 | 147 57 | Dec/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Feb/75     |
| 20214 | (Road Release)  | 23 km SE   | Trangie      | SI55/3  | 32 4  | 147 55 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    | Found Feb/75     |
| 20214 | (Road Release)  | 23 km SE   | Trangie      | SI55/3  | 32 4  | 147 55 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    | Found Feb/75     |
| 20253 | (Road Release)  | km         | Trangie      | SI55/3  | 32 1  | 147 59 | Apr/69 | 500  | <i>Hister nomas</i>              |    | Found Feb/75     |
| 20590 | Recovery Area   | 5 km NW    | Trangie      | SI55/03 | 32 01 | 147 58 |        |      | <i>Onitii alexis</i>             | C  | Found Mar/80     |
| 20665 | Recovery Area   | 29 km N    | Tullamore    | SI55/03 | 32 24 | 147 30 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 20666 | Recovery Area   | 15 km SW   | Tullamore    | SI55/03 | 32 44 | 147 28 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 40253 | Tully River St. | 15 km SW   | Tully        | SE55/10 | 18 0  | 145 41 | Oct/67 | 1008 | <i>Hister chinensis</i>          |    | Not found        |
| 40253 | Tully River St. | 15 km SW   | Tully        | SE55/10 | 18 0  | 145 41 | Dec/67 | 232  | <i>Hister chinensis</i>          |    | Not found        |
| 40253 | Tully River St. | 15 km SW   | Tully        | SE55/10 | 18 8  | 145 55 |        |      | <i>Euoniticellus intermedius</i> | GP | Found Dec/76     |
| 40427 | Bilyana         | 36 km SSW  | Tully        | SE55/10 | 18 8  | 145 55 |        |      | <i>Onthophagus gazella</i>       |    | Found Apr/76     |
| 40427 | Bilyana         | 36 km SSW  | Tully        | SE55/10 | 18 8  | 145 55 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/76     |
| 40535 | Recovery Area   | 23 km SW   | Tully        | SE55/10 | 18 4  | 145 55 |        |      | <i>Euoniticellus intermedius</i> |    | Found Dec/76     |
| 20043 | Blethley Park   | 4 km N     | Tumut        | SI55/15 | 35 17 | 148 15 | Nov/72 | 327  | <i>Onitii alexis</i>             | C  | Found Dec/76     |
| 60040 | Dunham R. Stn   | 80 km N    | Turkey Creek | SE52/2  | 16 19 | 128 15 | Nov/73 | 200  | <i>Onthophagus gazella</i>       | GP | Found Jun/73     |
| 60041 | Lissadell Stn   | 55 km NNE  | Turkey Creek | SE52/2  | 16 41 | 128 33 | Nov/73 | 200  | <i>Onthophagus gazella</i>       | GP | Found Jun/73     |
| 60044 | Ord River Stn   | 85 km ESE  | Turkey Creek | SE52/6  | 17 24 | 128 52 | Nov/73 | 200  | <i>Onthophagus gazella</i>       | GP | Found May/77     |
| 60078 | Mabel Downs     | 20 km SSE  | Turkey Creek | SE52/6  | 17 11 | 128 7  | Feb/70 | 452  | <i>Onthophagus gazella</i>       | T  | Found May/77     |
| 60078 | Mabel Downs     | 20 km SSE  | Turkey Creek | SE52/6  | 17 11 | 128 7  | Feb/70 | 250  | <i>Liatongus militaris</i>       |    | Found May/77     |
| 60104 | Karungie        | 135 km NE  | Turkey Creek | SE52/6  | 17 11 | 128 7  |        |      | <i>Onthophagus gazella</i>       | T  | Found Jun/73     |
| 60105 | Gibb River      | 200 km NE  | Turkey Creek | SE52/1  | 16 17 | 127 12 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jun/73     |
| 60147 | Bow River Stn   | 25 km ENE  | Turkey Creek | SE52/1  | 16 25 | 126 26 |        |      | <i>Onthophagus gazella</i>       | T  | Found Jun/73     |
| 60147 | Bow River Stn   | 25 km ENE  | Turkey Creek | SE52/2  | 16 52 | 128 11 |        |      | <i>Onthophagus gazella</i>       | T  | Found May/77     |
| 60147 | Bow River Stn   | 25 km ENE  | Turkey Creek | SE52/2  | 16 52 | 128 11 |        |      | <i>Onthophagus gazella</i>       | GP | Found May/77     |
| 60336 | Recovery Area   | 49 km NNW  | Turkey Creek | SE52/2  | 16 52 | 128 11 |        |      | <i>Euoniticellus intermedius</i> |    | Found May/77     |
| 60337 | Recovery Area   | km         | Turkey Creek | SE52/02 | 16 27 | 128 12 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82     |
| 60337 | Recovery Area   | 25 km NNW  | Turkey Creek | SE52/06 | 17 02 | 128 13 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Apr/82     |
| 60338 | Recovery Area   | km         | Turkey Creek | SE52/02 | 16 27 | 128 12 |        |      | <i>Onthophagus gazella</i>       |    | Found Apr/82     |
| 60338 | Recovery Area   | km         | Turkey Creek | SE52/06 | 17 02 | 128 13 |        |      | <i>Euoniticellus intermedius</i> | T  | Found Apr/82     |
| 60338 | Recovery Area   | km         | Turkey Creek | SE52/06 | 17 02 | 128 13 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/82     |
| 80048 | Waterloo Stn    | 168 km ESE | Turkey Creek | SE52/06 | 17 02 | 128 13 | Mar/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Apr/82     |
| 80062 | Mt Sandford OS  | 245 km W   | Turkey Creek | SE52/3  | 16 38 | 129 19 | Apr/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Apr/82     |
|       |                 |            | Turkey Creek | SE52/4  | 16 59 | 130 34 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/82     |

| Index | Property          | Location   | Town                  | Map          | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|-------------------|------------|-----------------------|--------------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20792 | Roadside          | 1 km N     | Ulladulla             | SI56/13      | 35 22 | 150 22 | Dec/80 | 1500 | <i>Onitis alexis</i>             | C  | Found Jan/82     |
| 20691 | Recovery Area     | 8 km S     | Uralla                | SH56/9       | 30 42 | 151 28 |        |      | <i>Euoniticellus africanus</i>   | C  | Found Jan/82     |
| 20719 | Kingston          | 47 km W    | Uralla                | SH56/9       | 30 30 | 151 6  |        |      | <i>Onthophagus gazella</i>       | C  | Found Jan/82     |
| 20719 | Kingston          | 47 km W    | Uralla                | SH56/9       | 30 30 | 151 6  |        |      | <i>Euoniticellus africanus</i>   | C  | Found Jan/82     |
| 20719 | Kingston          | 47 km W    | Uralla                | SH56/9       | 30 30 | 151 6  |        |      | <i>Euoniticellus intermedius</i> | C  | Found Jan/82     |
| 20720 | Recovery Area     | 26 km W    | Uralla                | SH56/9       | 30 37 | 151 19 |        |      | <i>Onthophagus gazella</i>       | C  | Found Jan/82     |
| 20720 | Recovery Area     | 26 km W    | Uralla                | SH56/9       | 30 37 | 151 19 |        |      | <i>Euoniticellus africanus</i>   | C  | Found Jan/82     |
| 20720 | Recovery Area     | 26 km W    | Uralla                | SH56/9       | 30 37 | 151 19 |        |      | <i>Euoniticellus intermedius</i> | C  | Found Jan/82     |
| 20721 | Recovery Area     | 10 km W    | Uralla                | SH 56/9      | 30 39 | 151 26 |        |      | <i>Euoniticellus africanus</i>   | C  | Found Jan/82     |
| 20722 | Recovery Area     | 38 km W    | Uralla                | SH56/9       | 30 33 | 151 11 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20722 | Recovery Area     | 38 km W    | Uralla                | SH56/9       | 30 33 | 151 11 |        |      | <i>Euoniticellus africanus</i>   | C  | Found Feb/82     |
| 20761 | Recovery Area     | 19 km SE   | Uralla                | SH56/10      | 30 52 | 151 33 |        |      | <i>Euoniticellus africanus</i>   | C  | Found Feb/82     |
| 40550 | Recovery Area     | 98 km S    | Urundangi             | SF54/9       | 22 17 | 138 21 |        |      | <i>Onthophagus gazella</i>       | GP | Found Oct/78     |
| 40550 | Recovery Area     | 98 km S    | Urundangi             | SF54/9       | 22 17 | 138 21 |        |      | <i>Euoniticellus intermedius</i> | GP | Found Oct/78     |
| 80230 | Recovery Area     | 181 km WSW | Urundangi (Qld)       | SF53/12      | 22 36 | 136 55 |        |      | <i>Onthophagus gazella</i>       | GP | Found Oct/78     |
| 80230 | Recovery Area     | 181 km WSW | Urundangi (Qld)       | SF53/12      | 22 36 | 136 55 |        |      | <i>Euoniticellus intermedius</i> | GP | Found Oct/78     |
| 20072 | Uriarra Stn.      | km         | Uriarra Forest        | SI55/16      | 35 17 | 148 53 | Dec/81 | 200  | <i>Onthophagus taurus</i>        | MX | Found Oct/78     |
| 20072 | Uriarra Stn.      | km         | Uriarra Forest        | SI55/16      | 35 17 | 148 53 | Sep/80 | 95   | <i>Onthophagus vacca</i>         | 4  | Found Oct/78     |
| 20072 | Uriarra Stn.      | km         | Uriarra Forest        | SI55/16      | 35 17 | 148 53 | Sep/80 | 180  | <i>Onthophagus vacca</i>         | 4  | Found Oct/78     |
| 20072 | Uriarra Stn.      | km         | Uriarra Forest        | SI55/16      | 35 17 | 148 53 | Jan/74 | 1027 | <i>Onthophagus gazella</i>       | C  | Not found        |
| 20072 | Uriarra Stn.      | km         | Uriarra Forest        | SI55/16      | 35 17 | 148 53 | Feb/75 | 400  | <i>Onthophagus taurus</i>        | 1  | Not found        |
| 20072 | Uriarra Stn.      | km         | Uriarra Forest        | SI55/16      | 35 17 | 148 53 | Feb/73 | 500  | <i>Onthophagus gazella</i>       | C  | Not found        |
| 20072 | Uriarra Stn.      | km         | Uriarra Forest        | SI55/16      | 35 17 | 148 53 | May/80 | 400  | <i>Geotrupes spiniger</i>        | 1  | Found Mar/82     |
| 20072 | Uriarra Stn.      | km         | Uriarra Forest        | SI55/16      | 35 17 | 148 53 | Feb/73 | 300  | <i>Onitis alexis</i>             | C  | Not found        |
| 20072 | Uriarra Stn.      | km         | Uriarra Forest        | SI55/16      | 35 17 | 148 53 | May/80 | 420  | <i>Euoniticellus fulvus</i>      | 1  | Found Jan/82     |
| 20072 | Uriarra Stn.      | km         | Uriarra Forest        | SI55/16      | 35 17 | 148 53 | Dec/82 | 400  | <i>Geotrupes spiniger</i>        | 1  | Found Mar/82     |
| 20072 | Uriarra Stn.      | km         | Uriarra Forest        | SI55/16      | 35 17 | 148 53 | Jan/84 | 4    | <i>Geotrupes spiniger</i>        | 1  | Found Mar/82     |
| 20072 | Uriarra Stn.      | km         | Uriarra Forest        | SI55/16      | 35 17 | 148 53 | Jun/80 | 229  | <i>Copris lunaris</i>            | 1  | Found Mar/82     |
| 20072 | Uriarra Stn.      | km         | Uriarra Forest        | SI55/16      | 35 17 | 148 53 | Feb/73 | 500  | <i>Euoniticellus africanus</i>   | 1  | Not found        |
| 20072 | Uriarra Stn.      | km         | Uriarra Forest        | SI55/16      | 35 17 | 148 53 | Dec/83 | 92   | <i>Copris lunaris</i>            | 4  | Not found        |
| 20072 | Uriarra Stn.      | km         | Uriarra Forest        | SI55/16      | 35 17 | 148 53 | Oct/80 | 116  | <i>Onthophagus vacca</i>         | 4  | Not found Oct/80 |
| 30011 | Oaklands          | km         | Ventnor (Phillip Is.) | SI55/9       | 38 29 | 145 11 | Nov/72 | 500  | <i>Onthophagus gazella</i>       | C  | Not found Oct/80 |
| 30010 | Wavelea           | km         | Ventnor (Phillip Is.) | SG55/9       | 38 31 | 145 12 | Nov/72 | 500  | <i>Onthophagus binodis</i>       | SR | Not found Oct/80 |
| 50001 | Curraghmore       | 16 km W    | Victor Harbour        | SI54/13      | 35 29 | 138 29 | Jan/76 | 500  | <i>Onthophagus taurus</i>        | 1  | Found Oct/80     |
| 50001 | Curraghmore       | 16 km W    | Victor Harbour        | SI54/13      | 35 29 | 138 29 | Aug/72 | 595  | <i>Onthophagus taurus</i>        | WR | Found Oct/80     |
| 80344 | Recovery Area     | 15 km NE   | Victoria River Downs  | SE52/4       | 16 21 | 131 6  |        |      | <i>Onthophagus gazella</i>       | T  | Found Aug/82     |
| 80344 | Recovery Area     | 15 km NE   | Victoria River Downs  | SE52/4       | 16 21 | 131 6  |        |      | <i>Euoniticellus intermedius</i> | T  | Found Aug/82     |
| 10    | Goo-Gizo (O-seas) |            | W. Solomon            | Sol. Islands |       |        | Jan/79 | 1400 | <i>Sisyphus spinipes</i>         |    | Not found Nov/80 |
| 20078 | Carswatha         | 29 km NW   | Wagga Wagga           | SI55/11      | 34 52 | 147 16 | Dec/73 | 550  | <i>Euoniticellus intermedius</i> |    | Not found Nov/80 |

|       |                 |           |             |         |       |        |        |      |                                  |    |                  |
|-------|-----------------|-----------|-------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20078 | Carswatha       | 29 km NW  | Wagga Wagga | SI55/11 | 34-52 | 147 16 | Mar/73 | 500  | <i>Euoniticellus intermedius</i> | C  | Not found Nov/80 |
| 20117 | Riverina C.A.E. | 10 km N   | Wagga Wagga | SI55/15 | 35 05 | 147 22 | Feb/74 | 422  | <i>Onthophagus gazella</i>       | C  | Not found Nov/80 |
| 20117 | Riverina C.A.E. | 10 km N   | Wagga Wagga | SI55/15 | 35 05 | 147 22 | Jan/77 | 2000 | <i>Onthophagus binodis</i>       | WR | Found Mar/78     |
| 20117 | Riverina C.A.E. | 10 km N   | Wagga Wagga | SI55/15 | 35 05 | 147 22 | Feb/74 | 550  | <i>Euoniticellus africanus</i>   |    | Not found Nov/90 |
| 20117 | Riverina C.A.E. | 10 km N   | Wagga Wagga | SI55/15 | 35 05 | 147 22 | Feb/74 | 231  | <i>Euoniticellus intermedius</i> |    | Not found Nov/80 |
| 20273 | Osterley        | 14 km ESE | Wagga Wagga | SI55/15 | 35 11 | 147 31 | Jan/71 | 485  | <i>Hister nomas</i>              |    |                  |
| 20531 | Broughton Brook | 23 km E   | Wagga Wagga | SI55/15 | 35 06 | 147 36 | May/79 | 1260 | <i>Geotrupes spiniger</i>        | 2  |                  |
| 20531 | Broughton Brook | 23 km E   | Wagga Wagga | SI55/15 | 35 06 | 147 36 | Jun/79 | 113  | <i>Geotrupes spiniger</i>        | 2  |                  |
| 20109 | Glen Eagle      | 39 km S   | Walcha      | SH56/13 | 31 10 | 151 35 | Jan/74 | 500  | <i>Onthophagus gazella</i>       | C  |                  |
| 20012 | Deenderrah      | 48 km W   | Walgett     | SH55/7  | 30 2  | 147 38 | Feb/72 | 496  | <i>Euoniticellus intermedius</i> |    |                  |
| 20371 | (Road Release)  | 32 km E   | Walgett     | SH55/11 | 30 1  | 148 26 | Jan/77 | 4000 | <i>Onthophagus gazella</i>       | C  |                  |
| 20371 | (Road Release)  | 32 km E   | Walgett     | SH55/11 | 30 1  | 148 26 | Jan/77 | 800  | <i>Onitis alexis</i>             | C  |                  |
| 20464 | Recovery Area   | 56 km W   | Walgett     | SH55/11 | 30 4  | 147 40 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/77     |
| 20502 | Recovery Area   | 13 km E   | Walgett     | SH55/11 | 30 0  | 148 15 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/77     |
| 20180 | (Road Release)  | 2 km N    | Wallabadah  | SH56/13 | 31 31 | 150 51 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    |                  |
| 20180 | (Road Release)  | 2 km N    | Wallabadah  | SH56/13 | 31 31 | 150 51 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    |                  |
| 20373 | (Road Release)  | 12 km S   | Wanaaring   | SH55/5  | 29 46 | 144 8  | Jan/77 | 500  | <i>Onitis alexis</i>             | C  |                  |
| 20373 | (Road Release)  | 12 km S   | Wanaaring   | SH55/5  | 29 46 | 144 8  |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/77     |
| 20401 | Recovery Area   | 15 km E   | Wanaaring   | SH55/5  | 29 43 | 144 16 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 20402 | Recovery Area   | 70 km ESE | Wanaaring   | SH55/5  | 29 42 | 144 50 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 20467 | Urisino         | 47 km W   | Wanaaring   | SH54/8  | 29 48 | 143 48 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/77     |
| 20468 | Recovery Area   | 113 km W  | Wanaaring   | SH54/8  | 29 43 | 143 7  |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/77     |
| 20836 | Roadside        | 2 km S    | Wandandian  | SI56/13 | 35 08 | 150 31 | Dec/80 | 1000 | <i>Onitis alexis</i>             | C  |                  |
| 60028 | Yarandoo        | 23 km SW  | Wandering   | SI50/2  | 32 47 | 116 28 | Jun/82 | 500  | <i>Onthophagus opacicollis</i>   | C  | Not found        |
| 60028 | Yarandoo        | 23 km SW  | Wandering   | SI50/2  | 32 47 | 116 28 | May/73 | 300  | <i>Onitis alexis</i>             | C  | Not found        |
| 60028 | Yarandoo        | 23 km SW  | Wandering   | SI50/2  | 32 47 | 116 28 | May/73 | 500  | <i>Onthophagus gazella</i>       | C  | Found Han/82     |
| 60322 | Recovery Area   | 16 km W   | Wandering   | SI50/2  | 32 39 | 116 30 |        |      | <i>Euoniticellus pallipes</i>    | 3  |                  |
| 40053 | Sylvan Hill     | 26 km NNW | Wandoan     | SG55/12 | 26 1  | 149 51 | Mar/76 | 1500 | <i>Sisypus spinipes</i>          |    |                  |
| 40053 | Sylvan Hill     | 26 km NNW | Wandoan     | SG55/12 | 26 1  | 149 51 | Mar/76 | 250  | <i>Onthophagus sagittarius</i>   |    |                  |
| 40053 | Sylvan Hill     | 26 km NNW | Wandoan     | SG55/12 | 26 1  | 149 51 | Mar/76 | 750  | <i>Onthophagus gazella</i>       | T  | Found Dec/75     |
| 40053 | Sylvan Hill     | 26 km NNW | Wandoan     | SG55/12 | 26 1  | 149 51 | Sep/73 | 500  | <i>Onthophagus binodis</i>       | SR |                  |
| 40053 | Sylvan Hill     | 26 km NNW | Wandoan     | SG55/12 | 26 1  | 149 51 | Sep/73 | 300  | <i>Sisypus rubrus</i>            |    | Found Dec/75     |
| 40053 | Sylvan Hill     | 26 km NNW | Wandoan     | SG55/12 | 26 1  | 149 51 | Mar/76 | 2000 | <i>Liatongus militaris</i>       |    |                  |
| 40053 | Sylvan Hill     | 26 km NNW | Wandoan     | SG55/12 | 26 1  | 149 51 | Mar/76 | 2000 | <i>Euoniticellus intermedius</i> |    | Found Dec/75     |
| 40261 | Vine Veil       | 20 km SE  | Wandoan     | SG56/9  | 26 12 | 150 7  | Mar/71 | 1000 | <i>Onthophagus gazella</i>       | T  |                  |
| 40660 | Recovery Area   | 16 km NNW | Wandoan     | SG55/12 | 26 00 | 149 54 |        |      | <i>Onthophagus gazella</i>       | T  | Found Feb/82     |
| 40660 | Recovery Area   | 16 km NNW | Wandoan     | SG55/12 | 26 00 | 149 54 |        |      | <i>Onitis alexis</i>             | T  | Found Feb/82     |
| 40660 | Recovery Area   | 16 km NNW | Wandoan     | SG55/12 | 26 00 | 149 54 |        |      | <i>Sisypus rubrus</i>            |    | Found Feb/82     |
| 40660 | Recovery Area   | 16 km NNW | Wandoan     | SG55/12 | 26 00 | 149 54 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 40661 | Recovery Area   | 4 km SE   | Wandoan     | SG55/12 | 26 09 | 149 59 |        |      | <i>Onitis alexis</i>             | T  | Found Feb/82     |
| 40661 | Recovery Area   | 4 km SE   | Wandoan     | SG55/12 | 26 09 | 149 59 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 60051 | Dress Circle Pm | 5 km NNE  | Wanneroo    | SH50/14 | 31 43 | 115 45 | Feb/74 | 500  | <i>Onthophagus binodis</i>       | WR | Found Oct/75     |

| Index | Property       | Location  | Town                 | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|----------------|-----------|----------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 60063 | Menengai       | 20 km NE  | Wanneroo             | SH50/14 | 31 39 | 116 0  | May/74 | 500  | <i>Euoniticellus intermedius</i> |    | Not found        |
| 60321 | Recovery Area  | 28 km NE  | Wanneroo             | SH50/14 | 31 34 | 115 58 |        |      | <i>Onthophagus binodis</i>       | WR | Found Jan/82     |
| 60321 | Recovery Area  | 28 km NE  | Wanneroo             | SH50/14 | 31 34 | 115 58 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jan/82     |
| 60356 | Release Area   |           | Warburton Ranges     | SG52/09 | 26 10 | 126 50 | Feb/84 | 80   | <i>Onitis alexis</i>             |    |                  |
| 60356 | Release Area   |           | Warburton Ranges     | SG52/09 | 26 10 | 126 50 | Feb/84 | 2100 | <i>Onthophagus gazella</i>       |    |                  |
| 60356 | Release Area   |           | Warburton Ranges     | SG52/09 | 26 10 | 126 50 | Feb/84 | 160  | <i>Euoniticellus africanus</i>   |    |                  |
| 60356 | Release Area   |           | Warburton Ranges     | SG52/09 | 26 10 | 126 50 | Feb/84 | 640  | <i>Euoniticellus intermedius</i> |    |                  |
| 20493 | Recovery Area  | km        | Warialda             | SH56/5  | 29 32 | 150 35 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jan/77     |
| 20494 | Cooltai        | 45 km NNE | Warialda             | SH56/5  | 29 15 | 150 45 |        |      | <i>Onthophagus gazella</i>       | GP | Found Jan/77     |
| 20494 | Cooltai        | 45 km NNE | Warialda             | SH56/5  | 29 15 | 150 45 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jan/77     |
| 20495 | Graman         | 50 km ENE | Warialda             | SH56/5  | 29 28 | 150 56 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jan/77     |
| 20711 | Yagobie        | 46 km W   | Warialda             | SH56/5  | 29 32 | 150 14 |        |      | <i>Onthophagus gazella</i>       | C  | Found Jan/82     |
| 20711 | Yagobie        | 46 km W   | Warialda             | SH56/5  | 29 32 | 150 14 |        |      | <i>Onitis alexis</i>             | C  | Found Jan/82     |
| 20711 | Yagobie        | 46 km W   | Warialda             | SH56/5  | 29 32 | 150 14 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jan/82     |
| 20712 | Recovery Area  | 20 km W   | Warialda             | SH56/5  | 29 35 | 150 25 |        |      | <i>Onthophagus gazella</i>       | C  | Found Jan/82     |
| 20712 | Recovery Area  | 20 km W   | Warialda             | SH56/5  | 29 35 | 150 25 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jan/82     |
| 20712 | Recovery Area  | 20 km W   | Warialda             | SH56/5  | 29 35 | 150 25 |        |      | <i>Onitis alexis</i>             | C  | Found Jan/82     |
| 20713 | Recovery Area  | 13 km ESE | Warialda             | SH56/5  | 29 36 | 150 41 |        |      | <i>Onthophagus gazella</i>       | C  | Found Jan/82     |
| 60193 | Pitter (Mr V.) | 3 km S    | Warroona             | SI50.2  | 32 53 | 115 55 | May/80 | 300  | <i>Onitis aygulus</i>            | WR | Not found Mar/81 |
| 60193 | Pitter (Mr V.) | 3 km S    | Warroona             | SI50/2  | 32 53 | 115 55 | May/79 | 286  | <i>Onitis aygulus</i>            | WR | Not found Mar/81 |
| 60193 | Pitter (Mr V.) | 3 km S    | Warroona             | SI50/2  | 32 53 | 115 55 | May/80 | 250  | <i>Onitis aygulus</i>            | WR | Not found Mar/81 |
| 60193 | Pitter (Mr V.) | 3 km S    | Warroona             | SI50/2  | 32 53 | 115 55 | Apr/80 | 310  | <i>Onitis aygulus</i>            | WR | Not found Mar/81 |
| 60193 | Pitter (Mr V.) | 3 km S    | Warroona             | SI50/2  | 32 53 | 115 55 |        |      | <i>Onthophagus binodis</i>       | WR | Found Mar/81     |
| 60200 | Oakford Farm   | 3 km W    | Warroona             | SI50/2  | 32 50 | 115 54 | Feb/79 | 1000 | <i>Onthophagus binodis</i>       | WR |                  |
| 60206 | Fouracres      | 27 km W   | Warroona             | SI50/2  | 32 50 | 115 54 | Feb/79 | 900  | <i>Onthophagus binodis</i>       | WR |                  |
| 20202 | (Road Release) | 8 km SW   | Warren               | SH55/15 | 31 44 | 147 48 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20202 | (Road Release) | 8 km SW   | Warren               | SH55/15 | 31 44 | 147 48 | Feb/75 | 740  | <i>Euoniticellus intermedius</i> |    | Not found Feb/82 |
| 20202 | (Road Release) | 8 km Sw   | Warren               | SH55/15 | 31 44 | 147 48 |        |      | <i>Onitis alexis</i>             | C  | Found Feb/82     |
| 20202 | (Road Release) | 8 km SW   | Warren               | SH55/15 | 31 44 | 147 48 | Feb/75 | 260  | <i>Euoniticellus africanus</i>   |    | Not found Feb/82 |
| 20284 | Normandoon Stn | 12 km E   | Warren               | SH55/15 | 31 40 | 147 56 | Feb/76 | 500  | <i>Onitis alexis</i>             | C  | Found Feb/82     |
| 20370 | (Road Release) | 27 km NE  | Warren               | SH55/15 | 31 29 | 148 0  | Jan/77 | 500  | <i>Onthophagus gazella</i>       | C  |                  |
| 20370 | (Road Release) | 27 km NE  | Warren               | SH55/15 | 31 29 | 148 0  |        |      | <i>Euoniticellus intermedius</i> |    | Found Jan/77     |
| 30034 | Tara           | 10 km E   | Warrnambool          | SJ54/12 | 38 23 | 142 34 | Dec/79 | 1712 | <i>Euoniticellus fulvus</i>      | 2  | Not found Mar/81 |
| 30034 | Tara           | 10 km E   | Warrnambool          | SJ54/12 | 38 23 | 142 34 | Nov/79 | 880  | <i>Euoniticellus fulvus</i>      | 2  | Not found Mar/81 |
| 30025 | Staywood Park  | 6 km NE   | Warrnambool (Purnim) | SJ54/12 | 38 19 | 142 31 | Mar/76 | 500  | <i>Onthophagus taurus</i>        | 1  | Not found Mar/81 |
| 40054 | Sale Yards     | km        | Warwick              | SH56/2  | 28 15 | 152 5  | Oct/73 | 500  | <i>Onthophagus binodis</i>       | SR |                  |
| 40054 | Sale Yards     | km        | Warwick              | SH56/2  | 28 15 | 152 5  | Oct/73 | 500  | <i>Onthophagus gazella</i>       | C  | Found Nov/76     |
| 40054 | Sale yards     | km        | Warwick              | SH56/2  | 28 15 | 152 5  | Oct/73 | 300  | <i>Onitis alexis</i>             | C  | Found Nov/76     |
| 40054 | Sale Yards     | km        | Warwick              | SH56/2  | 28 15 | 152 5  |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 40182 | Glenroy        | 16 km NW  | Warwick              | SH56/2  | 28 5  | 151 58 | Feb/75 | 500  | <i>Euoniticellus intermedius</i> |    |                  |

|       |                   |           |                   |         |       |        |     |                                  |    |              |
|-------|-------------------|-----------|-------------------|---------|-------|--------|-----|----------------------------------|----|--------------|
| 40422 | Recovery Area     | 20 km W   | Warwick           | SH56/2  | 28 10 | 151 52 |     | <i>Euoniticellus intermedius</i> |    | Found Mar/76 |
| 40457 | Recovery Area     | km        | Warwick           | SH56/2  | 28 13 | 152 2  |     | <i>Onitis alexis</i>             | C  | Found Nov/76 |
| 40603 | Recovery Area     | 10 km N   | Warwick           | SH56/02 | 28 07 | 152 03 |     | <i>Onthophagus gazella</i>       | C  | Found Feb/81 |
| 40603 | Recovery Area     | 10 km N   | Warwick           | SH56/02 | 28 07 | 152 03 |     | <i>Hister nomas</i>              |    | Found Feb/81 |
| 40603 | Recovery Area     | 10 km N   | Warwick           | SH56/02 | 28 07 | 152 03 |     | <i>Euoniticellus intermedius</i> |    | Found Feb/81 |
| 40604 | Recovery Area     | 54 km W   | Warwick           | SH56/02 | 28 14 | 151 31 |     | <i>Euoniticellus intermedius</i> |    | Found Feb/81 |
| 40604 | Recovery Area     | 54 km W   | Warwick           | SH56/02 | 28 14 | 151 32 |     | <i>Onitis alexis</i>             | C  | Found Feb/81 |
| 40609 | Maryvale          | 30 km NE  | Warwick           | SH56/02 | 28 04 | 152 13 |     | <i>Onthophagus gazella</i>       | C  | Found Mar/81 |
| 40609 | Maryvale          | 30 km NE  | Warwick           | SH56/02 | 28 04 | 152 13 |     | <i>Euoniticellus intermedius</i> |    | Found Mar/81 |
| 40609 | Maryvale          | 30 km NE  | Warwick           | SH56/02 | 28 04 | 152 13 |     | <i>Hister nomas</i>              |    | Found Mar/81 |
| 40698 | Recovery Area     | 10 km SW  | Warwick           | SH56/2  | 28 17 | 151 59 |     | <i>Euoniticellus intermedius</i> |    | Found Mar/82 |
| 40699 | Recovery Area     | 21 km NE  | Warwick           | SH56/2  | 28 6  | 152 6  |     | <i>Onthophagus gazella</i>       | C  | Found Mar/82 |
| 40699 | Recovery Area     | 21 km NE  | Warwick           | SH56/2  | 28 6  | 152 6  |     | <i>Onitis alexis</i>             | C  | Found Mar/82 |
| 20057 | Hillview          | 35 km NW  | Wauchope          | SH56/14 | 30 23 | 152 31 | 500 | <i>Onthophagus gazella</i>       | C  | Found Feb/75 |
| 20134 | Pappinbarra       | 30 km WNW | Wauchope          | SH56/14 | 31 23 | 152 30 |     | <i>Onthophagus gazella</i>       | C  | Found Nov/73 |
| 20425 | Recovery Area     | 19 km W   | Wauchope          | SH56/14 | 31 27 | 152 32 |     | <i>Onthophagus gazella</i>       | C  | Found Feb/82 |
| 20425 | Recovery Area     | 19 km W   | Wauchope          | SH56/14 | 31 27 | 152 32 |     | <i>Hister nomas</i>              |    | Found Dec/76 |
| 20623 | Yarras            | 44 km W   | Wauchope          | SH56/14 | 31 25 | 152 20 |     | <i>Onthophagus gazella</i>       | C  | Found Feb/81 |
| 20639 | Long Flat         | 30 km W   | Wauchope          | SH56/14 | 31 27 | 152 29 |     | <i>Onthophagus gazella</i>       | C  | Found Mar/81 |
| 20639 | Long Flat         | 30 km W   | Wauchope          | SH56/14 | 31 27 | 152 29 |     | <i>Euoniticellus intermedius</i> |    | Found Mar/81 |
| 20639 | Long Flat         | 30 km W   | Wauchope          | SH56/14 | 31 27 | 152 29 |     | <i>Hister nomas</i>              |    | Found Mar/81 |
| 20762 | Recovery Area     | 8 km W    | Wauchope          | SH56/14 | 31 30 | 152 38 |     | <i>Onthophagus gazella</i>       | C  | Found Feb/82 |
| 20762 | Recovery Area     | 8 km W    | Wauchope          | SH56/14 | 31 30 | 152 38 |     | <i>Hister nomas</i>              |    | Found Feb/82 |
| 20762 | Recovery Area     | 8 km W    | Wauchope          | SH56/14 | 31 30 | 152 38 |     | <i>Euoniticellus intermedius</i> |    | Found Feb/82 |
| 20857 | River Bend        | 10 km NE  | Wauchope          | SH56/14 | 31 23 | 152 47 | 500 | <i>Onthophagus nigriventris</i>  |    | Found Feb/82 |
| 80240 | Midge Bore        |           | Wave Hill Station | SE52/08 | 17 25 | 131 09 |     | <i>Onthophagus gazella</i>       | GP | Found Dec/79 |
| 80240 | Midge Bore        |           | Wave Hill Station | SE52/08 | 17 25 | 131 09 |     | <i>Onthophagus gazella</i>       | T  | Found Dec/79 |
| 80241 | No. 14 Bore       |           | Wave Hill Station | SE52/08 | 17 21 | 131 01 |     | <i>Onthophagus gazella</i>       | GP | Found Feb/80 |
| 80241 | No. 14 Bore       |           | Wave Hill Station | SE52/08 | 17 21 | 131 01 |     | <i>Onthophagus gazella</i>       | T  | Found Feb/80 |
| 80242 | Spring Bore       |           | Wave Hill Station | SE52/08 | 17 30 | 130 45 |     | <i>Onthophagus gazella</i>       | T  | Found Feb/80 |
| 80242 | Spring Bore       |           | Wave Hill Station | SE52/08 | 17 30 | 130 45 |     | <i>Onthophagus gazella</i>       | GP | Found Feb/80 |
| 80243 | Spring Creek      |           | Wave Hill Station | SE52/08 | 17 32 | 130 47 |     | <i>Onthophagus gazella</i>       | T  | Found Feb/80 |
| 80243 | Spring Creek      |           | Wave Hill Station | SE52/08 | 17 32 | 130 47 |     | <i>Onthophagus gazella</i>       | GP | Found Feb/80 |
| 80244 | Gordy Spring Bore |           | Wave Hill Station | SE52/00 | 17 45 | 130 53 |     | <i>Onthophagus gazella</i>       | T  | Found Feb/80 |
| 80244 | Gordy Spr. Bore   |           | Wave Hill Station | SE52/08 | 17 45 | 130 53 |     | <i>Onthophagus gazella</i>       | GP | Found Feb/80 |
| 80245 | Mistake Bore      |           | Wave Hill Station | SE52/00 | 17 19 | 131 02 |     | <i>Onthophagus gazella</i>       | T  | Found Feb/80 |
| 80245 | Mistake Bore      |           | Wave Hill Station | SE52/08 | 17 19 | 131 02 |     | <i>Onthophagus gazella</i>       | GP | Found Feb/80 |
| 80246 | Barry Creek       |           | Wave Hill Station | SE52/08 | 17 43 | 131 09 |     | <i>Onthophagus gazella</i>       | GP | Found Feb/80 |
| 80246 | Barry Creek       |           | Wave Hill Station | SE52/08 | 17 43 | 131 09 |     | <i>Onthophagus gazella</i>       | T  | Found Feb/80 |
| 80247 | No. 3 Bore        |           | Wave Hill Station | SE52/08 | 17 32 | 131 12 |     | <i>Onthophagus gazella</i>       | T  | Found Feb/80 |
| 80247 | No. 3 Bore        |           | Wave Hill Station | SE52/08 | 17 32 | 131 12 |     | <i>Onthophagus gazella</i>       | GP | Found Feb/80 |
| 80248 | Mdl. Midge Bore   |           | Wave Hill Station | SE52/08 | 17 28 | 131 11 |     | <i>Onthophagus gazella</i>       | GP | Found Feb/80 |

| Index | Property        | Location   | Town              | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status       |
|-------|-----------------|------------|-------------------|---------|-------|--------|--------|------|----------------------------------|----|--------------|
| 80248 | Mdl. Midge Bore |            | Wave Hill Station | SE52/08 | 17 28 | 131 11 |        |      | <i>Onthophagus gazella</i>       | T  | Found Feb/80 |
| 20365 | (Road Release)  | 1 km W     | Wee Waa           | SH55/12 | 30 16 | 149 26 | Jan/77 | 500  | <i>Onthophagus gazella</i>       | C  | Found Jan/78 |
| 20365 | (Road Release)  | 1 km W     | Wee Waa           | SH55/12 | 30 16 | 149 26 |        |      | <i>Onitis alexis</i>             | C  | Found Jan/78 |
| 20365 | (Road Release)  | 1 km W     | Wee Waa           | SH55/12 | 30 16 | 149 26 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jan/77 |
| 20458 | Recovery Area   | 9 km WNW   | Wee Waa           | SH55/12 | 30 13 | 149 22 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/77 |
| 20459 | Recovery Area   | 18 km WNW  | Wee Waa           | SH55/12 | 30 12 | 149 18 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/77 |
| 40040 | Merluna         | 80 km SE   | Weipa             | SD54/7  | 13 4  | 142 27 | Dec/73 | 500  | <i>Onthophagus gazella</i>       | GP | Found Oct/76 |
| 40040 | Merluna         | 80 km SE   | Weipa             | SD54/7  | 13 4  | 142 27 | May/69 | 3869 | <i>Onthophagus gazella</i>       | T  | Found Oct/76 |
| 40040 | Merluna         | 80 km SE   | Weipa             | SD54/7  | 13 4  | 142 27 | May/73 | 300  | <i>Sisyphus spinipes</i>         |    |              |
| 40040 | Merluna         | 80 km SE   | Weipa             | SD54/7  | 13 4  | 142 27 | Jun/69 | 2400 | <i>Onthophagus gazella</i>       | T  | Found Oct/76 |
| 40040 | Merluna         | 80 km SE   | Weipa             | SD54/7  | 13 4  | 142 27 | May/69 | 5153 | <i>Onthophagus gazella</i>       | T  | Found Oct/76 |
| 40040 | Merluna         | 80 km SE   | Weipa             | SD54/7  | 13 4  | 142 27 | Dec/73 | 500  | <i>Euoniticellus intermedius</i> |    |              |
| 40040 | Merluna         | 80 km SE   | Weipa             | SD54/7  | 13 4  | 142 27 | Jun/69 | 4500 | <i>Liatongus militaris</i>       |    |              |
| 40040 | Merluna         | 80 km SE   | Weipa             | SD54/7  | 13 4  | 142 27 | May/69 | 221  | <i>Hister caffer</i>             |    | Not found    |
| 40486 | Recovery Area   | km         | Weipa             | SD54/3  | 12 38 | 141 53 |        |      | <i>Onthophagus gazella</i>       | GP | Found Oct/76 |
| 40487 | Edward River    | 225 km S   | Weipa             | SD54/11 | 14 54 | 141 37 |        |      | <i>Onthophagus gazella</i>       | GP | Found Oct/76 |
| 40504 | Evans Landing   | 6 km S     | Weipa             | SD54/3  | 12 44 | 141 52 |        |      | <i>Onthophagus gazella</i>       | GP | Found Feb/75 |
| 40510 | Weipa           | 145 km ENE | Weipa             | SD54/4  | 12 28 | 142 37 |        |      | <i>Onthophagus gazella</i>       | GP | Found Jul/75 |
| 40511 | Road Junction   | 125 km E   | Weipa             | SD54/4  | 12 40 | 142 41 |        |      | <i>Onthophagus gazella</i>       | GP | Found Jul/75 |
| 50045 | Hawkes Nest Wl. | 21 km SW   | Weibourne Hill    | SG53/14 | 27 30 | 134 13 |        |      | <i>Onthophagus gazella</i>       | GP | Found Jul/75 |
| 20545 | Recovery Area   | 7 km NE    | Wellington        | SI55/4  | 32 32 | 148 58 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/77 |
| 20303 | (Road Release)  | 26 km N    | Wentworth         | SI54/7  | 33 54 | 141 50 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    | Found Feb/78 |
| 20303 | (Road Release)  | 26 km N    | Wentworth         | SI54/7  | 33 54 | 141 50 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |              |
| 20304 | (Road Release)  | 17 km N    | Wentworth         | SI54/11 | 34 0  | 141 52 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |              |
| 20304 | (Road Release)  | 17 km N    | Wentworth         | SI54/11 | 34 0  | 141 52 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    |              |
| 20305 | (Road Release)  | 2 km N     | Wentworth         | SI54/11 | 34 5  | 141 54 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |              |
| 20305 | (Road Release)  | 2 km N     | Wentworth         | SI54/11 | 34 5  | 141 54 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    |              |
| 20306 | (Road Release)  | 11 km E    | Wentworth         | SI54/11 | 34 4  | 142 2  | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    | Not found    |
| 20306 | (Road Release)  | 11 km E    | Wentworth         | SI54/11 | 34 4  | 142 2  | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    | Not found    |
| 20127 | Spy Hill        | 5 km N     | Wentworth         | SI55/7  | 33 55 | 147 12 | Mar/74 | 500  | <i>Onthophagus gazella</i>       | C  | Not found    |
| 20127 | Spy Hill        | 5 km N     | Wentworth         | SI55/7  | 33 55 | 147 12 | Mar/74 | 500  | <i>Euoniticellus intermedius</i> |    | Not found    |
| 20328 | (Road Release)  | 7 km W     | Wentworth         | SI55/7  | 33 54 | 147 8  | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    | Not found    |
| 20328 | (Road Release)  | 7 km W     | Wentworth         | SI55/7  | 33 54 | 147 8  | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |              |
| 20329 | (Road Release)  | 4 km E     | Wentworth         | SI55/7  | 33 54 | 147 15 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    |              |
| 20329 | (Road Release)  | 4 km E     | Wentworth         | SI55/7  | 33 54 | 147 15 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |              |
| 20330 | (Road Release)  | 33 km E    | Wentworth         | SI55/7  | 33 50 | 147 30 | Feb/76 | 500  | <i>Euoniticellus africanus</i>   |    |              |
| 20330 | (Road Release)  | 33 km E    | Wentworth         | SI55/7  | 33 50 | 147 30 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    |              |
| 20331 | Caragabal       | 55 km E    | Wentworth         | SI55/7  | 33 52 | 147 44 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |              |
| 20331 | Caragabal       | 55 km E    | Wentworth         | SI55/7  | 33 52 | 147 44 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    |              |
| 40086 | (Road Release)  | km         | Westwood          | SF56/13 | 23 39 | 150 9  | Oct/73 | 500  | <i>Onthophagus gazella</i>       | GP |              |

|       |                  |           |                       |         |       |        |        |      |                                  |    |                  |
|-------|------------------|-----------|-----------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 40263 | Evergreen        | 10 km SW  | Westwood              | SF56/13 | 23 39 | 150 3  | Mar/71 | 1000 | <i>Onthophagus gazella</i>       | T  | Found Apr/75     |
| 40263 | Evergreen        | 10 km SW  | Westwood              | SF56/13 | 23 39 | 150 3  |        |      | <i>Sisyphus spinipes</i>         |    | Found Feb/80     |
| 40263 | Evergreen        | 10 km SW  | Westwood              | SF56/13 | 23 39 | 150 3  |        |      | <i>Copris fallaciosus</i>        |    | Not found Feb/80 |
| 40263 | Evergreen        | 10 km SW  | Westwood              | SF56/13 | 23 39 | 150 3  | Jan/77 | 152  | <i>Copris fallaciosus</i>        |    | Found Oct/78     |
| 40263 | Evergreen        | 10 km SW  | Westwood              | SF56/13 | 23 39 | 150 3  | Nov/77 | 1000 | <i>Copris fallaciosus</i>        |    | Found Oct/78     |
| 40263 | Evergreen        | 10 km SW  | Westwood              | SF56/13 | 23 39 | 150 3  | Mar/78 | 460  | <i>Copris fallaciosus</i>        |    | Found Oct/78     |
| 40263 | Evergreen        | 10 km SW  | Westwood              | SF56/13 | 23 39 | 150 3  |        |      | <i>Euoniticellus intermedius</i> |    | Found Jun/75     |
| 40263 | Evergreen        | 10 km SW  | Westwood              | SF56/13 | 23 39 | 150 3  | Nov/77 | 500  | <i>Copris fallaciosus</i>        |    | Found Oct/78     |
| 40263 | Evergreen        | 10 km SW  | Westwood              | SF56/13 | 23 39 | 150 03 | Jan/77 | 126  | <i>Copris bornemissza</i>        |    |                  |
| 40263 | Evergreen        | 10 km SW  | Westwood              | SF56/13 | 23 39 | 150 03 | Jan/77 | 12   | <i>Copris bornemissza</i>        |    |                  |
| 40263 | Evergreen        | 10 km SW  | Westwood              | SF56/13 | 23 39 | 150 03 | Mar/77 | 59   | <i>Copris bornemissza</i>        |    |                  |
| 40266 | Reno             | 5 km SW   | Westwood              | SF56/13 | 23 38 | 150 6  | Dec/71 | 220  | <i>Hister calidus</i>            |    |                  |
| 40542 | Ohio             | 33 km NW  | Westwood              | SF55/16 | 23 31 | 149 52 | Dec/78 | 5000 | <i>Sisyphus spinipes</i>         |    |                  |
| 40542 | Ohio             | 33 km NW  | Westwood              | SF55/16 | 23 31 | 149 52 | Dec/78 | 1000 | <i>Liatongus militaris</i>       |    |                  |
| 20406 | Tonga            | 75 km NE  | White Cliffs          | SH54/12 | 30 30 | 143 45 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 20407 | Recovery Area    | 50 km ENE | White Cliffs          | SH54/12 | 30 42 | 143 31 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 20408 | Recovery Area    | 10 km E   | White Cliffs          | SH54/12 | 30 51 | 143 12 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 20409 | Recovery Area    | 15 km WNW | White Cliffs          | SH54/12 | 30 50 | 142 55 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 20410 | Recovery Area    | 60 km W   | White Cliffs          | SH54/11 | 30 49 | 142 29 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 20411 | Recovery Area    | 90 km WSW | White Cliffs          | SH54/15 | 31 1  | 142 16 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 20337 | H aris (Mr C.)   | km        | Wilberforce           | SI56/5  | 33 33 | 150 48 | Jan/76 | 500  | <i>Onthophagus taurus</i>        | 1  |                  |
| 20290 | (Road Release)   | 30 km E   | Wilcannia             | SH54/16 | 31 45 | 143 35 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20290 | (Road Release)   | 30 km E   | Wilcannia             | SH54/16 | 31 45 | 143 35 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |                  |
| 20291 | (Road Release)   | km        | Wilcannia             | SH54/16 | 31 34 | 143 22 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |                  |
| 20291 | (Road Release)   | km        | Wilcannia             | SH54/16 | 31 34 | 143 22 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20292 | Dolo Tank        | 55 km W   | Wilcannia             | SH54/16 | 31 39 | 142 51 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    | Found Feb/77     |
| 20292 | Dolo Tank        | 55 km W   | Wilcannia             | SH54/16 | 31 39 | 142 51 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |                  |
| 20293 | Worungil Tank    | 85 km W   | Wilcannia             | SH54/16 | 31 44 | 142 35 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |                  |
| 20293 | Worungil Tank    | 85 km W   | Wilcannia             | SH54/16 | 31 44 | 142 35 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20294 | Little Topar     | 118 km W  | Wilcannia             | SH54/15 | 31 47 | 142 15 | Feb/76 | 50   | <i>Euoniticellus africanus</i>   |    |                  |
| 20294 | Little Topar     | 118 km W  | Wilcannia             | SH54/15 | 31 47 | 142 15 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20412 | Recovery Area    | 50 km WSW | Wilcannia             | SH54/16 | 31 37 | 142 54 | Feb/76 | 500  | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 20413 | Recovery Area    | 40 km ENE | Wilcannia             | SH54/16 | 31 28 | 143 42 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 80237 | Arnhem Hwy       |           | Wildman R. (East Br.) | SD53/1  | 12 57 | 132 00 |        |      | <i>Euoniticellus intermedius</i> | GP | Found May/79     |
| 60339 | Boddington T.O.  | 52 km NW  | Williams              | SI50/02 | 32 42 | 116 31 |        |      | <i>Onthophagus gazella</i>       | 3  | Found Apr/82     |
| 20640 | Recovery Area    | 3 km NW   | Willawarrin           | SH56/10 | 30 25 | 152 36 |        |      | <i>Euoniticellus pallipes</i>    | C  | Found Mar/81     |
| 20640 | Recovery Area    | 3 km NW   | Willawarrin           | SH56/10 | 30 25 | 152 36 |        |      | <i>Onthophagus gazella</i>       |    | Found Mar/81     |
| 20640 | Recovery Area    | 3 km NW   | Willawarrin           | SH56/10 | 30 25 | 152 36 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/81     |
| 80252 | Mathieson Ck Br. |           | Willeroo Station      | SD52/16 | 15 04 | 131 44 |        |      | <i>Onitis alexis</i>             | C  | Found Mar/81     |
| 80252 | Mathieson Ck Br  |           | Willeroo Station      | SD52/16 | 15 04 | 131 44 |        |      | <i>Onthophagus gazella</i>       | T  | Found Feb/80     |
| 80345 | Recovery Area    | 20 km SW  | Willeroo Station      | SD52/16 | 15 25 | 131 31 |        |      | <i>Onthophagus gazella</i>       | GP | Found Feb/80     |
| 80345 | Recovery Area    | 20 km SW  | Willeroo Station      | SD52/16 | 15 25 | 131 31 |        |      | <i>Onthophagus gazella</i>       | T  | Found Aug/82     |
|       |                  |           | Willeroo Station      | SD52/16 | 15 25 | 131 31 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/82     |

| Index | Property          | Location   | Town                | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|-------------------|------------|---------------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 60159 | Quandering        | 18 km NW   | Williams            | SI50/2  | 32 57 | 116 47 | Nov/78 | 500  | <i>Onthophagus taurus</i>        | 3  | Found Dec/79     |
| 60159 | Quandering        | 18 km NW   | Williams            | SI50/2  | 32 57 | 116 47 | Nov/78 | 500  | <i>Onthophagus taurus</i>        | 3  | Found Dec/79     |
| 60159 | Quandering        | 18 km NW   | Williams            | SI50/2  | 32 57 | 116 47 | Dec/78 | 500  | <i>Onthophagus taurus</i>        | 3  | Found Dec/79     |
| 60159 | Quandering        | 10 km NW   | Williams            | SI50/2  | 32 57 | 116 47 | Oct/78 | 1000 | <i>Euoniticellus pallipes</i>    | 3  | Found Dec/79     |
| 60339 | Boddington T.O.   | 52 km NW   | Williams            | SI50/02 | 32 42 | 116 31 |        |      | <i>Euoniticellus pallipes</i>    | 3  | Found Apr/82     |
| 60355 | Glenfield         | 10 km SE   | Williams            | SI50/06 | 33 10 | 116 55 | Nov/83 | 164  | <i>Copris hispanus</i>           |    |                  |
| 60355 | Glenfield         | 10 km SE   | Williams            | SI50/06 | 33 10 | 116 55 | Oct/83 | 100  | <i>Copris hispanus</i>           |    |                  |
| 20487 | Recovery Area     | 20 km SW   | Willow Tree         | SH56/13 | 31 43 | 150 35 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20487 | Recovery Area     | 20 km SW   | Willow Tree         | SH56/13 | 31 43 | 150 35 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jan/77     |
| 20753 | Recovery Area     | 33 km SW   | Willow Tree         | SH56/13 | 31 48 | 150 31 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/82     |
| 20753 | Recovery Area     | 33 km SW   | Willow Tree         | SH56/13 | 31 48 | 150 31 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/82     |
| 50080 | Sanity            | 5 km S     | Willunga            | SI54/13 | 35 21 | 148 32 | Jul/82 | 800  | <i>Onthophagus taurus</i>        | 3  |                  |
| 50080 | Sanity            | 5 km S     | Willunga            | SI54/13 | 35 21 | 148 32 | Jun/82 | 600  | <i>Onthophagus taurus</i>        | 3  |                  |
| 50075 | Holly (D.V.&E.M.) | 8 km SE    | Willunga (Yundi Rd) | SI54/13 | 35 19 | 138 36 | Jun/81 | 700  | <i>Euoniticellus fulvus</i>      | 1  | Found Feb/84     |
| 60016 | Cunyu Stn         | 65 km NNW  | Wiluna              | SG51/9  | 26 1  | 120 7  | Feb/73 | 500  | <i>Euoniticellus intermedius</i> |    | Found Feb/75     |
| 60017 | Carnegie 1        | 315 km ENE | Wiluna              | SG51/7  | 25 45 | 123 15 | Feb/73 | 500  | <i>Euoniticellus intermedius</i> |    | Not found        |
| 60018 | Carnegie 2        | 350 km ENE | Wiluna              | SG51/7  | 25 43 | 123 35 | Feb/73 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 60019 | Yelma             | 146 km E   | Wiluna              | SG51/10 | 26 32 | 121 41 | Feb/73 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 60031 | Glenayle          | 235 km NE  | Wiluna              | SG51/6  | 25 16 | 122 2  | May/73 | 500  | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 60109 | Wongawol Stn      | km E       | Wiluna              | SG51/10 | 26 7  | 121 56 |        |      | <i>Euoniticellus intermedius</i> |    | Found Jun/75     |
| 60125 | Thaduna Mine      | 135 km NNW | Wiluna              | SG50/8  | 25 31 | 119 42 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 60127 | Granite Peak      | 155 km NE  | Wiluna              | SG51/5  | 25 37 | 121 21 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 60136 | Windidda          | 180 km E   | Wiluna              | SG51/10 | 26 27 | 122 3  |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 60138 | Wonganoo          | 125 km SE  | Wiluna              | SG51/14 | 27 8  | 121 21 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 40595 | (Road Release)    | km         | Windera             | SG56/10 | 26 03 | 151 50 | Feb/80 | 2000 | <i>Sisyphus rubrus</i>           |    | Not found Jan/82 |
| 40595 | (Road Release)    | km         | Windera             | SG56/10 | 26 03 | 151 50 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/80     |
| 40595 | (Road Release)    | km         | Windera             | SG56/10 | 26 03 | 151 50 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/80     |
| 40595 | (Road Release)    | km         | Windera             | SG56/10 | 26 03 | 151 50 |        |      | <i>Onitis atexis</i>             | C  | Found Jan/82     |
| 40031 | Ourdel            | 6 km NW    | Windorah            | SG54/8  | 25 25 | 142 37 | Feb/73 | 500  | <i>Euoniticellus intermedius</i> |    | Found Feb/75     |
| 40104 | Cuddapan          | 120 km WSW | Windorah            | SG54/7  | 25 39 | 141 30 | Feb/74 | 1000 | <i>Euoniticellus intermedius</i> |    |                  |
| 40272 | Mayfield          | 6 km NE    | Windorah            | SG54/8  | 25 22 | 142 43 | Jun/69 | 720  | <i>Hister nomas</i>              |    |                  |
| 40355 | Recovery Area     | 60 km N    | Windorah            | SG54/8  | 25 2  | 142 37 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 40356 | Recovery Area     | 60 km SE   | Windorah            | SG54/8  | 25 40 | 143 6  |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 40357 | Batchelors Hut    | 110 km SE  | Windorah            | SG54/8  | 25 55 | 143 26 |        |      | <i>Euoniticellus intermedius</i> |    | Found Aug/74     |
| 20694 | Cattai            | 18 km NE   | Windsor             | SI56/5  | 33 33 | 150 55 |        |      | <i>Onthophagus gazella</i>       | C  | Found Mar/82     |
| 20694 | Cattai            | 18 km NE   | Windsor             | SI56/5  | 33 33 | 150 55 |        |      | <i>Onthophagus binodis</i>       | WR | Found Mar/82     |
| 20694 | Cattai            | 18 km NE   | Windsor             | SI56/5  | 33 33 | 150 55 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82     |
| 20694 | Cattai            | 18 km NE   | Windsor             | SI56/5  | 33 33 | 150 55 |        |      | <i>Hister nomas</i>              |    | Found Mar/82     |
| 20621 | Recovery Area     | 2 km N     | Wingham             | SH56/14 | 31 51 | 152 23 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/81     |
| 20622 | Recovery Area     | 30 km N    | Wingham             | SH56/14 | 31 39 | 152 25 |        |      | <i>Onthophagus gazella</i>       | C  | Found Feb/81     |



|       |                   |            |                    |         |       |        |        |      |                                  |                       |
|-------|-------------------|------------|--------------------|---------|-------|--------|--------|------|----------------------------------|-----------------------|
| 20622 | Recovery Area     | 30 km N    | Wingham            | SH56/14 | 31 39 | 152 25 | Mar/83 | 500  | <i>Hister nomas</i>              | Found Feb/81          |
| 20856 | Doyles River      | 50 km NNW  | Wingham            | SH56/14 | 31 35 | 152 15 | Mar/83 | 500  | <i>Onthophagus nigriventris</i>  | Not found Jan/82      |
| 20860 | Glenyarra         | 5 km S     | Wingham            | SH56/14 | 31 50 | 152 20 | Mar/83 | 500  | <i>Onthophagus nigriventris</i>  |                       |
| 70021 | Rengaw P. Co.     | 5 km SW    | Winnaleah          | SK55/04 | 41 09 | 147 17 | Feb/81 | 1000 | <i>Onthophagus binodis</i>       | WR                    |
| 40029 | Coolinda          | 55 km NNW  | Winton             | SF54/8  | 21 55 | 142 51 | Feb/73 | 500  | <i>Euoniticellus intermedius</i> |                       |
| 40048 | Cronulla          | 90 km E    | Winton             | SF54/12 | 22 28 | 143 57 | May/73 | 500  | <i>Euoniticellus intermedius</i> |                       |
| 40710 | Recovery Area     | 187 km W   | Winton             | SF54/10 | 22 16 | 141 45 |        |      | <i>Onthophagus gazella</i>       | T<br>Found Apr/82     |
| 20693 | Recovery Area     | 3 km SW    | Wisemans Ferry     | SI56/5  | 33 22 | 150 58 |        |      | <i>Onthophagus binodis</i>       | WR<br>Found Mar/82    |
| 20693 | Recovery Area     | 3 km SW    | Wisemans Ferry     | SI56/5  | 33 22 | 150 58 |        |      | <i>Euoniticellus intermedius</i> | Found Mar/82          |
| 20693 | Recovery Area     | 3 km SW    | Wisemans Ferry     | SI56/5  | 33 22 | 150 58 |        |      | <i>Hister nomas</i>              | Found Mar/82          |
| 20784 | St Albans         | 20 km N    | Wisemans Ferry     | SI56/05 | 33 18 | 10 59  |        |      | <i>Euoniticellus intermedius</i> | Found Feb/82          |
| 20784 | St Albans         | 20 km N    | Wisemans Ferry     | SI56/05 | 33 18 | 150 59 |        |      | <i>Onitis alexis</i>             | C<br>Found Feb/82     |
| 30033 | Rocky Point       | 12 km W    | Wodonga            | SJ55/2  | 36 3  | 146 38 | Nov/79 | 1250 | <i>Euoniticellus fulvus</i>      | 2<br>Not found Nov/80 |
| 30033 | Rocky Point       | 12 km W    | Wodonga            | SJ55/2  | 36 3  | 146 38 | Nov/79 | 1134 | <i>Euoniticellus fulvus</i>      | 2<br>Not found Nov/80 |
| 30036 | The Hermitage     | 42 km SSE  | Wodonga (Dederang) | SJ55/03 | 36 28 | 147 04 | Jan/80 | 2200 | <i>Euoniticellus fulvus</i>      | 2<br>Not found Nov/80 |
| 60151 | D. Ag. Dairy R.S. | km         | Wokalup            | SI50/6  | 33 6  | 115 55 | Dec/77 | 1500 | <i>Onthophagus binodis</i>       | WR<br>Found Nov/76    |
| 60135 | Recovery Area     | 10 km NNE  | Wongawol           | SG51/10 | 26 0  | 121 58 |        |      | <i>Euoniticellus intermedius</i> |                       |
| 60245 | Dunkley (Mr D.)   | 3 km S     | Wonnerup           | SI50/5  | 33 39 | 115 27 | Feb/79 | 900  | <i>Onthophagus binodis</i>       | WR<br>Found Nov/76    |
| 30045 | Hitchings (Mr R.) | 7 km W     | Wonthaggi          | SJ55/9  | 38 05 | 145 03 | Dec/81 | 700  | <i>Onthophagus taurus</i>        | 3                     |
| 30045 | Hitchings (Mr R.) | 7 km W     | Wonthaggi          | SJ55/9  | 38 05 | 145 03 | Nov/81 | 1000 | <i>Onthophagus taurus</i>        | 3                     |
| 60116 | Recovery Area     | 48 km WNW  | Woodlands          | SG50/3  | 24 36 | 117 13 |        |      | <i>Euoniticellus intermedius</i> | Found Nov/76          |
| 50077 | Redhill           | 1 km S     | Woodside           | SI54/9  | 34 58 | 138 51 | Dec/81 | 700  | <i>Euoniticellus fulvus</i>      | 1<br>Found Nov/76     |
| 20475 | Albion Park       | 10 km W    | Woolongong         | SI56/9  | 34 34 | 150 46 |        |      | <i>Hister nomas</i>              | Found Mar/77          |
| 20475 | Albion Park       | 10 km W    | Woolongong         | SI56/9  | 34 34 | 150 46 | Dec/80 | 1000 | <i>Onitis alexis</i>             | C                     |
| 20699 | Recovery Area     | 16 km NW   | Woolongong         | SI56/9  | 34 34 | 150 43 |        |      | <i>Hister nomas</i>              | Found Mar/82          |
| 40276 | Weemilah          | 10 km ENE  | Wowan              | SF56/13 | 23 53 | 150 18 | Dec/76 | 500  | <i>Sisyphus rubrus</i>           | B                     |
| 40276 | Weemilah          | 10 km ENE  | Wowan              | SF56/13 | 23 53 | 150 18 | Dec/76 | 49   | <i>Sisyphus rubrus</i>           |                       |
| 40276 | Weemilah          | 10 km ENE  | Wowan              | SF56/13 | 23 53 | 150 18 | Apr/76 | 304  | <i>Sisyphus rubrus</i>           |                       |
| 40276 | Weemilah          | 10 km ENE  | Wowan              | SF56/13 | 23 53 | 150 18 | Oct/76 | 250  | <i>Sisyphus rubrus</i>           |                       |
| 40276 | Weemilah          | 10 km ENE  | Wowan              | SF56/13 | 23 53 | 150 18 | Feb/80 | 2000 | <i>Sisyphus rubrus</i>           |                       |
| 40276 | Weemilah          | 10 km ENE  | Wowan              | SF56/13 | 23 53 | 150 18 | Nov/75 | 500  | <i>Onitis alexis</i>             | T                     |
| 40446 | Recovery Area     | 35 km SSE  | Wowan              | SG56/1  | 24 6  | 150 26 |        |      | <i>Euoniticellus intermedius</i> | Found Mar/76          |
| 40448 | Recovery Area     | 25 km SSE  | Wowan              | SG56/1  | 24 3  | 150 19 |        |      | <i>Euoniticellus intermedius</i> | Found Mar/76          |
| 40464 | Recovery Area     | 15 km SSE  | Wowan              | SF56/13 | 23 59 | 150 16 |        |      | <i>Euoniticellus intermedius</i> | Found Mar/76          |
| 60077 | Kalumburu Miss.   | 210 km NW  | Wyndham            | SD52/9  | 14 18 | 126 38 | Feb/70 | 1088 | <i>Onthophagus gazella</i>       | T                     |
| 60077 | Kalumburu Miss.   | 210 km NW  | Wyndham            | SD52/9  | 14 18 | 126 38 | Feb/70 | 177  | <i>Copris incertus</i>           |                       |
| 60077 | Kalumburu Miss.   | 210 km NW  | Wyndham            | SD52/9  | 14 18 | 126 38 | Feb/70 | 308  | <i>Onthophagus gazella</i>       | T                     |
| 60114 | Recovery Area     | km         | Wyndham            | SD52/14 | 15 28 | 128 6  |        |      | <i>Liatongus militaris</i>       | GP<br>Found Apr/76    |
| 60265 | The Groto         | 50 km SE   | Wyndham            | SD52/14 | 15 51 | 128 23 |        |      | <i>Onthophagus gazella</i>       | T<br>Found May/73     |
| 60267 | Carlton Hill Cr   | km E       | Wyndham            | SD52/14 | 15 36 | 128 29 |        |      | <i>Onthophagus gazella</i>       | T<br>Found May/73     |
| 60335 | Recovery Area     | 108 km SSE | Wyndham            | SE52/02 | 16 04 | 128 25 |        |      | <i>Onthophagus gazella</i>       | T<br>Found Apr/82     |
| 60335 | Recovery Area     | 108 km SSE | Wyndham            | SE52/02 | 16 04 | 128 25 |        |      | <i>Euoniticellus intermedius</i> | Found Apr/82          |

| Index | Property        | Location   | Town       | Map     | Lat.  | Long.  | Rel.   | Q'ty | Species name                     | St | Status           |
|-------|-----------------|------------|------------|---------|-------|--------|--------|------|----------------------------------|----|------------------|
| 20025 | Richmond        | 10 km WNW  | Wyong      | SI56/5  | 33 16 | 151 18 | Jan/74 | 500  | <i>Onthophagus gazella</i>       | C  | Not found Oct/77 |
| 20025 | Richmond        | 10 km WNW  | Wyong      | SI56/5  | 33 16 | 151 18 | Sep/72 | 250  | <i>Sisyphus spinipes</i>         |    | Not found Mar/75 |
| 20025 | Richmond        | 10 km WNW  | Wyong      | SI56/5  | 33 16 | 151 18 | Sep/72 | 310  | <i>Hister calius</i>             |    | Not found Mar/75 |
| 20025 | Richmond        | 10 km WNW  | Wyong      | SI56/5  | 33 16 | 151 18 | Mar/69 | 703  | <i>Hister nomas</i>              |    | Found Mar/75     |
| 20080 | Yanco Ag. Coll. | 1 km SSE   | Yanco      | SI55/10 | 34 37 | 146 26 | Mar/73 | 500  | <i>Euoniticellus intermedius</i> |    | Not found        |
| 60201 | Watson          | 3 km W     | Yarloop    | SI50/2  | 32 58 | 115 51 | Feb/79 | 500  | <i>Onthophagus binodis</i>       | WR | Found May/82     |
| 30001 | Highmoor        | 6 km N     | Yarra Glen | SI55/5  | 37 38 | 145 23 | Oct/71 | 475  | <i>Onthophagus binodis</i>       | WR | Not found Oct/80 |
| 30008 | Ziegler (Mr P.) | 32 km W    | Yarram     | SI55/10 | 38 35 | 146 27 | Oct/72 | 500  | <i>Onthophagus gazella</i>       | C  |                  |
| 30043 | Enfield         | 15 km NE   | Yea        | SI55/6  | 37 06 | 145 30 | Sep/81 | 1000 | <i>Onthophagus taurus</i>        | 3  |                  |
| 30043 | Enfield         | 14 km NE   | Yea        | SI55/6  | 37 06 | 145 30 | Sep/81 | 800  | <i>Onthophagus taurus</i>        | 3  |                  |
| 60137 | Recovery Area   | 30 km SW   | Yelma      | SG51/10 | 26 34 | 121 56 |        |      | <i>Euoniticellus intermedius</i> |    | Found Nov/76     |
| 20084 | Dudley Vale     | 5 km NE    | Yeoval     | SI55/04 | 32 43 | 148 41 | Mar/73 | 500  | <i>Onthophagus gazella</i>       | C  |                  |
| 40180 | Ocean View      | 8 km NW    | Yeppoon    | SF56/13 | 23 4  | 150 41 | Feb/75 | 500  | <i>Onitis alexis</i>             | T  |                  |
| 60153 | Sandgate Past.  | 16 km S    | York       | SH50/14 | 31 57 | 116 47 | Feb/78 | 700  | <i>Euoniticellus pallipes</i>    | 2  | Found Jan/79     |
| 60153 | Sandgate Past.  | 16 km S    | York       | SH50/14 | 31 57 | 116 47 | Feb/78 | 1200 | <i>Euoniticellus pallipes</i>    | 2  | Found Jan/79     |
| 60329 | Recovery Area   | 12 km W    | York       | SH50/14 | 31 55 | 116 39 |        |      | <i>Euoniticellus pallipes</i>    | 2  | Found Mar/82     |
| 60330 | Recovery Area   | 20 km W    | York       | SH50/14 | 31 54 | 116 33 |        |      | <i>Euoniticellus pallipes</i>    | 2  | Found Mar/82     |
| 60330 | Recovery Area   | 20 km W    | York       | SH50/14 | 31 54 | 116 33 |        |      | <i>Euoniticellus intermedius</i> |    | Found Mar/82     |
| 60224 | Balgore         | 1 km E     | Yornup     | SI50/10 | 34 03 | 116 11 | Feb/79 | 900  | <i>Onthophagus binodis</i>       | WR |                  |
| 20053 | Coolibah        | 24 km W    | Young      | SI55/11 | 34 21 | 148 07 | Dec/72 | 500  | <i>Onthophagus gazella</i>       | C  | Not found        |
| 20053 | Coolibah        | 24 km W    | Young      | SI55/11 | 34 21 | 148 07 | Dec/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 20053 | Coolibah        | 24 km W    | Young      | SI55/11 | 34 21 | 148 07 | Dec/74 | 500  | <i>Euoniticellus africanus</i>   |    |                  |
| 20257 | Barwang         | 15 km SSE  | Young      | SI55/11 | 34 23 | 148 20 | Dec/69 | 600  | <i>Hister nomas</i>              |    |                  |
| 20275 | Wonga           | 6 km NE    | Young      | SI55/11 | 34 16 | 148 23 | Oct/75 | 500  | <i>Onthophagus taurus</i>        | 1  |                  |
| 20582 | Recovery Area   | 36 km N    | Young      | SI55/11 | 34 03 | 148 18 |        |      | <i>Euoniticellus intermedius</i> |    | Found Feb/80     |
| 80001 | Mt Allan        | 42 km E    | Yuendumu   | SF53/9  | 22 16 | 132 12 | Oct/72 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 80074 | Mt Doreen       | 55 km NW   | Yuendumu   | SF52/12 | 22 2  | 131 20 | May/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 80078 | Napperby        | 105 km ESE | Yuendumu   | SF53/9  | 22 31 | 132 45 | Dec/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 80078 | Napperby        | 105 km ESE | Yuendumu   | SF53/9  | 22 31 | 132 45 | Dec/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 80079 | Anningie        | 145 km ENE | Yuendumu   | SF53/5  | 21 51 | 133 7  | Dec/74 | 500  | <i>Euoniticellus intermedius</i> |    |                  |
| 80085 | Mt Denison      | 30 km ENE  | Yuendumu   | SF53/9  | 22 8  | 132 5  | Dec/74 | 500  | <i>Euoniticellus intermedius</i> |    | Found Jun/75     |
| 40601 | Recovery Area   | 3 km E     | Yungaburra | SE55/06 | 17 16 | 145 36 |        |      | <i>Onthophagus gazella</i>       | T  | Found Apr/80     |
| 40601 | Recovery Area   | 3 km E     | Yungaburra | SE55/06 | 17 16 | 145 36 |        |      | <i>Onthophagus nigriventris</i>  |    | Found Apr/80     |
| 40601 | Recovery Area   | 3 km E     | Yungaburra | SE55/06 | 17 16 | 145 36 |        |      | <i>Euoniticellus intermedius</i> |    | Found Apr/80     |

## Redistributions of dung beetles

The following is the list of exotic dung beetles which were cropped from an established site in Australia, and released at other, climatically suitable, sites. This list is not comprehensive, as many redistributions have been made by farmers themselves, and also by CSIRO personnel, where records were not kept. However, all redistributions financed by the Dairy Research and Development Corporation in southern Australia are included here.

The sites are listed in alphabetical order of towns within each state.

### Meanings of columns and headings

|              |  |
|--------------|--|
| Index        | The chronological number of each release, from November 1989, to March 1994, financed by the Dairy Research and Development Corporation. |
| Property     | The name of the farmer, or farm, on which the release was made   |
| Location     | Kilometres and direction from the nearest major town   |
| Town         | Nearest major town   |
| Date         | Date of release (day/month/year)   |
| Q'ty         | Number of beetles released   |
| Species name | Name of species released   |

## Dung beetle releases – New South Wales

| Index | Property           | Location  | Town         | Date   | Q'ty | Species name                |
|-------|--------------------|-----------|--------------|--------|------|-----------------------------|
| 95    | P.Lawson           | 4km W     | Adelong      | 160291 | 750  | <i>Geotrupes spiniger</i>   |
| 185   | L.O'Donnell        |           | Adelong      | 150193 | 1037 | <i>Onthophagus taurus</i>   |
| 185   | L.O'Donnell        |           | Adelong      | 150193 | 512  | <i>Euoniticellus fulvus</i> |
| 123   | R.Rodd             | 20km NW   | Albury       | 250391 | 700  | <i>Geotrupes spiniger</i>   |
| 76a   | D.Wright           |           | Armidale     | 220191 | 4600 | <i>Geotrupes spiniger</i>   |
| 100   | D.Wright           |           | Armidale     | 180291 | 1400 | <i>Geotrupes spiniger</i>   |
|       | Chiswick           |           | Armidale     | 140389 | 27   | <i>Geotrupes spiniger</i>   |
|       | Chiswick           |           | Armidale     | 140389 | 1000 | <i>Onthophagus taurus</i>   |
|       | Chiswick           |           | Armidale     | 140389 | 1000 | <i>Euoniticellus fulvus</i> |
|       | Wallamumbi         | 50km E    | Armidale     | 150389 | 1250 | <i>Onthophagus taurus</i>   |
|       | Wallamumbi         | 50km E    | Armidale     | 150389 | 1250 | <i>Euoniticellus fulvus</i> |
| 59    |                    | 2km SE    | Bega         | 101290 | 195  | <i>Onitis alexis</i>        |
| 61    |                    | 2km SE    | Bega         | 181290 | 825  | <i>Onitis pecuarius</i>     |
| 61    |                    | 5km SE    | Bega         | 181290 | 825  | <i>Onitis pecuarius</i>     |
| 61    |                    | 5km N     | Bega         | 181290 | 1650 | <i>Onitis pecuarius</i>     |
| 66    |                    | 24km N    | Bega         | 70191  | 406  | <i>Onitis pecuarius</i>     |
| 66    |                    | 24km N    | Bega         | 70191  | 1084 | <i>Onitis alexis</i>        |
| 66    |                    | 24km N    | Bega         | 70191  | 250  | <i>Euoniticellus fulvus</i> |
| 66    |                    | 24km N    | Bega         | 70191  | 45   | <i>Onthophagus binodis</i>  |
| 66    |                    | 24km N    | Bega         | 70191  | 90   | <i>Onthophagus taurus</i>   |
| 162   |                    |           | Bega         | 292    | 1000 | <i>Onthophagus binodis</i>  |
| 90    | O'Keefe            | 5km S     | Berry        | 60291  | 1600 | <i>Geotrupes spiniger</i>   |
| 90    | O'Keefe            | 5km S     | Berry        | 60291  | 1000 | <i>Euoniticellus fulvus</i> |
| 90    | O'Keefe            | 5km S     | Berry        | 60291  | 500  | <i>Onthophagus binodis</i>  |
| 90    | R.Carolin          |           | Berry        | 60291  | 600  | <i>Geotrupes spiniger</i>   |
| 90    | Freisian Stud      | 0.5km E   | Berry        | 60291  | 1300 | <i>Geotrupes spiniger</i>   |
|       | Dunstaffnage       | 20km WSW  | Blayney      | 280187 | 2500 | <i>Euoniticellus fulvus</i> |
| 134   | Big Jack Rd        | 22km      | Bombala      | 251091 | 4295 | <i>Euoniticellus fulvus</i> |
| 134   | Big Jack Rd        | 22km      | Bombala      | 251091 | 856  | <i>Onthophagus taurus</i>   |
| 135   | A&P.Gimbert        | Nungatta  | Bombala-Eden | 141191 | 7273 | <i>Euoniticellus fulvus</i> |
| 135   | A&P.Gimbert        | Nungatta  | Bombala-Eden | 141191 | 1129 | <i>Onthophagus taurus</i>   |
|       | Clover Farm        | Burradoo  | Bowral       | 160289 | 1000 | <i>Onthophagus taurus</i>   |
|       | Clover Farm        | Burradoo  | Bowral       | 160289 | 1000 | <i>Euoniticellus fulvus</i> |
|       | Shepherd's Cottage | 12km E    | Bowral       | 160289 | 1500 | <i>Onthophagus taurus</i>   |
|       | Shepherd's Cottage | 12km E    | Bowral       | 160289 | 1500 | <i>Euoniticellus fulvus</i> |
| 17    | T.Hancock          | 13km ESE  | Braidwood    | 170190 | 273  | <i>Onitis aygulus</i>       |
| 140   | Krawarree          |           | Braidwood    | 170192 | 3880 | <i>Euoniticellus fulvus</i> |
| 140   | Krawarree          |           | Braidwood    | 170192 | 1139 | <i>Onthophagus taurus</i>   |
| 76c   | Bendoura           | 17km SW   | Braidwood    | 160191 | 1400 | <i>Geotrupes spiniger</i>   |
| 76b   | Charleston Stud    | 17km SW   | Braidwood    | 160191 | 2900 | <i>Geotrupes spiniger</i>   |
|       | R.Gardner          | 20km S    | Braidwood    | 281190 | 6000 | <i>Euoniticellus fulvus</i> |
|       | R.Gardner          | 20km S    | Braidwood    | 281190 | 4000 | <i>Onthophagus taurus</i>   |
|       | B.Ellis            | Ballalaba | Braidwood    | 40291  | 750  | <i>Geotrupes spiniger</i>   |
|       | Charlton Stud      |           | Braidwood    | 40291  | 750  | <i>Geotrupes spiniger</i>   |
|       | G.Taylor           | 4km E     | Bungendore   | 281190 | 2000 | <i>Euoniticellus fulvus</i> |
|       | G.Taylor           | 4km E     | Bungendore   | 281190 | 1500 | <i>Onthophagus taurus</i>   |
|       | G.Darmody          |           | Bungendore   | 160291 | 800  | <i>Geotrupes spiniger</i>   |
|       | G.Taylor           | 4km E     | Bungendore   | 130191 | 700  | <i>Geotrupes spiniger</i>   |
| 82    | Uriarra Stn.       | 20km W    | Canberra     | 220191 | 1000 | <i>Geotrupes spiniger</i>   |
|       | Duntroon           | 5km S     | Canberra     | 50489  | 186  | <i>Geotrupes spiniger</i>   |
|       | Road Release       | Gungahlin | Canberra     | 20291  | 750  | <i>Geotrupes spiniger</i>   |
|       | J.Kueter           | Womboyne  | Canberra     | 100391 | 1000 | <i>Geotrupes spiniger</i>   |
|       | P.Jupp             | Cambah    | Canberra     | 201290 | 750  | <i>Geotrupes spiniger</i>   |
|       | Majura House Farm  | Airport   | Canberra     | 201290 | 750  | <i>Geotrupes spiniger</i>   |
|       | Road Release       | Gungahlin | Canberra     | 100391 | 1000 | <i>Geotrupes spiniger</i>   |
|       | Wendover           | 5km S     | Canberra     | 20391  | 750  | <i>Geotrupes spiniger</i>   |
|       | P.Jupp             | Cambah    | Canberra     | 130191 | 700  | <i>Geotrupes spiniger</i>   |
|       | Duntroon           |           | Canberra     | 130191 | 700  | <i>Geotrupes spiniger</i>   |
|       | Duntroon Horse Pdk |           | Canberra     | 160489 | 524  | <i>Geotrupes spiniger</i>   |
|       | Lord Ben Farm      | 15km N    | Cobbity      | 160289 | 500  | <i>Onthophagus taurus</i>   |
|       | Lord Ben Farm      | 15km N    | Cobbity      | 160289 | 500  | <i>Euoniticellus fulvus</i> |
|       | Moorlands          | 5km E     | Coolamon     | 240485 | 500  | <i>Onitis alexis</i>        |
|       | A.Axelsson         |           | Cooma        | 20291  | 750  | <i>Geotrupes spiniger</i>   |

|     |                   |             |                 |        |       |                                |
|-----|-------------------|-------------|-----------------|--------|-------|--------------------------------|
| 110 | Gundowringa       | 16km SSE    | Crookwell       | 110391 | 650   | <i>Geotrupes spiniger</i>      |
| 120 | G.Munsie          | 22km S      | Glen Innes      | 130391 | 900   | <i>Geotrupes spiniger</i>      |
| 198 | Tulkeroo          | 7km E       | Goulburn        | 150293 | 1097  | <i>Onthophagus binodis</i>     |
| 133 | The Gables        |             | Gunning         | 221091 | 3200  | <i>Euoniticellus fulvus</i>    |
| 133 | The Gables        |             | Gunning         | 221091 | 800   | <i>Onthophagus taurus</i>      |
| 133 | Patonga           |             | Gunning         | 221091 | 3200  | <i>Euoniticellus fulvus</i>    |
| 133 | Patonga           |             | Gunning         | 221091 | 800   | <i>Onthophagus taurus</i>      |
| 169 | Alambi            | 10km SW     | Gunning         | 31192  | 2981  | <i>Euoniticellus fulvus</i>    |
| 169 | Alambi            | 10km SW     | Gunning         | 31192  | 1507  | <i>Onthophagus taurus</i>      |
|     | J.Clancy          |             | Gunning         | 160291 | 800   | <i>Geotrupes spiniger</i>      |
| 101 | A.Lascelles       |             | Hunter Valley   | 190291 | 5300  | <i>Onthophagus binodis</i>     |
| 101 | A.Lascelles       |             | Hunter Valley   | 190291 | 20000 | <i>Euoniticellus fulvus</i>    |
| 7   | Roadside          | 5km E       | Kangaroo Valley | 61289  | 300   | <i>Onitis alexis</i>           |
| 157 |                   |             | Kangaroo Valley | 190292 | 5000  | <i>Euoniticellus fulvus</i>    |
| 157 |                   |             | Kangaroo Valley | 190292 | 3000  | <i>Onthophagus taurus</i>      |
| 166 |                   |             | Lake George     | 231092 | 2894  | <i>Euoniticellus fulvus</i>    |
| 166 |                   |             | Lake George     | 231092 | 1173  | <i>Onthophagus taurus</i>      |
| 102 | B.Musgrove        | W           | Michelago       | 220291 | 700   | <i>Geotrupes spiniger</i>      |
| 137 | W.Cline           | 8km E       | Mittagong       | 20192  | 4500  | <i>Euoniticellus fulvus</i>    |
| 137 | W.Cline           | 8km E       | Mittagong       | 20192  | 770   | <i>Onthophagus taurus</i>      |
|     | Eastview          | 10km NE     | Mittagong       | 120489 | 1000  | <i>Euoniticellus fulvus</i>    |
|     | Eastview          | 10km NE     | Mittagong       | 120489 | 1000  | <i>Onthophagus taurus</i>      |
|     | Yaarabal          | 6km S       | Mongarlowe      | 270287 | 2000  | <i>Euoniticellus fulvus</i>    |
|     | Yaarabal          | 6km S       | Mongarlowe      | 270287 | 2000  | <i>Onthophagus taurus</i>      |
|     | Yaarabal          | 6km S       | Mongarlowe      | 270287 | 100   | <i>Euoniticellus africanus</i> |
| 80  | C.Heffernan       |             | Moruya          | 210191 | 800   | <i>Geotrupes spiniger</i>      |
| 80  | Mogendoura        |             | Moruya          | 210191 | 700   | <i>Geotrupes spiniger</i>      |
| 80  | Clout's Dairy     |             | Moruya          | 210191 | 700   | <i>Geotrupes spiniger</i>      |
| 87  | G.Webb            | 15km SE     | Moss Vale       | 230191 | 1000  | <i>Geotrupes spiniger</i>      |
| 87  | D.Millar          | 14km SE     | Moss Vale       | 230191 | 2000  | <i>Onthophagus binodis</i>     |
| 87  | D.Millar          | 14km SE     | Moss Vale       | 230191 | 13500 | <i>Euoniticellus fulvus</i>    |
| 87  | D.Millar          | 14km SE     | Moss Vale       | 230191 | 4400  | <i>Onthophagus taurus</i>      |
| 87  | D.Millar          | 14km SE     | Moss Vale       | 230191 | 6000  | <i>Geotrupes spiniger</i>      |
| 87  | R.Reanes          | 12km SE     | Moss Vale       | 230191 | 1000  | <i>Geotrupes spiniger</i>      |
| 87  | B.Airley          | 16km ESE    | Moss Vale       | 230191 | 1000  | <i>Geotrupes spiniger</i>      |
| 87  | J.Curcuruto       | 6km E       | Moss Vale       | 230191 | 1000  | <i>Geotrupes spiniger</i>      |
| 87  | M.Sowter          | 3km E       | Moss Vale       | 230191 | 1000  | <i>Geotrupes spiniger</i>      |
| 87  | S.Airley          | 15km E      | Moss Vale       | 230191 | 1000  | <i>Geotrupes spiniger</i>      |
|     | Newbury Farm      | 5km S       | MossVale        | 280187 | 2500  | <i>Euoniticellus fulvus</i>    |
| 202 |                   |             | Murrumbateman   | 230293 | 2000  | <i>Onthophagus binodis</i>     |
| 202 |                   |             | Murrumbateman   | 230293 | 1200  | <i>Euoniticellus fulvus</i>    |
|     | Euroka Park       | Gundaroo Rd | Murrumbateman   | 20291  | 750   | <i>Geotrupes spiniger</i>      |
|     | R.Delves          |             | Murrumbateman   | 100391 | 1000  | <i>Geotrupes spiniger</i>      |
| 145 |                   |             | Nowra           | 280192 | 32419 | <i>Euoniticellus fulvus</i>    |
| 145 |                   |             | Nowra           | 280192 | 14360 | <i>Onthophagus taurus</i>      |
|     | R.Hambrook        | Sutton Rd   | Queanbeyan      | 281190 | 2000  | <i>Euoniticellus fulvus</i>    |
|     | R.Hambrook        | Sutton Rd   | Queanbeyan      | 281190 | 1500  | <i>Onthophagus taurus</i>      |
|     | R.Hambrook        | Sutton Rd   | Queanbeyan      | 130191 | 700   | <i>Geotrupes spiniger</i>      |
|     | Brookside         | 50km S      | Rylston         | 120389 | 460   | <i>Onthophagus binodis</i>     |
|     | Brookside         | 50km S      | Rylston         | 120389 | 3000  | <i>Onthophagus taurus</i>      |
|     | Brookside         | 50km S      | Rylston         | 120389 | 600   | <i>Euoniticellus fulvus</i>    |
|     | Ellerston Station | 72km NE     | Scone           | 70388  | 40000 | <i>Onthophagus taurus</i>      |
|     | Ellerston Station | 72km NE     | Scone           | 70388  | 40000 | <i>Euoniticellus fulvus</i>    |
|     | Ellerston Station | 72km NE     | Scone           | 70388  | 8000  | <i>Onthophagus binodis</i>     |
|     | Ellerston Station | 72km NE     | Scone           | 70388  | 300   | <i>Onitis alexis</i>           |
| 21  | The Meadows       |             | Talmalmo        | 290190 | 53300 | <i>Euoniticellus fulvus</i>    |
| 21  | The Meadows       |             | Talmalmo        | 290190 | 10000 | <i>Onthophagus taurus</i>      |
|     | P.Lawson          |             | Tumut           | 100391 | 1000  | <i>Geotrupes spiniger</i>      |
|     | P.Lawson          |             | Tumut           | 20391  | 750   | <i>Geotrupes spiniger</i>      |
| 159 | Hardwick Stud     |             | Yass            | 260292 | 1953  | <i>Euoniticellus fulvus</i>    |
| 159 | Hardwick Stud     |             | Yass            | 260292 | 7759  | <i>Onthophagus taurus</i>      |
|     | Ravensworth       | 15km S      | Yass            | 270389 | 5000  | <i>Onthophagus taurus</i>      |
|     | Ravensworth       | 15km S      | Yass            | 270389 | 11000 | <i>Euoniticellus fulvus</i>    |
|     | Hardwick Stud     |             | Yass            | 60491  | 924   | <i>Geotrupes spiniger</i>      |
|     | Ravensworth       | 15km S      | Yass            | 30389  | 5000  | <i>Onthophagus taurus</i>      |
|     | Ravensworth       | 15km S      | Yass            | 30389  | 11000 | <i>Euoniticellus fulvus</i>    |

## Dung beetle releases – Victoria

| Index | Property       | Location  | Town           | Date   | Q'ty  | Species name                |
|-------|----------------|-----------|----------------|--------|-------|-----------------------------|
| 125   | N.Kemp         | 1km N     | Arcadia        | 20491  | 700   | <i>Geotrupes spiniger</i>   |
| 85a   | B.Jeffrey      | 5km NE    | Bairnsdale     | 240191 | 1650  | <i>Geotrupes spiniger</i>   |
| 130   | D.McPham       | 3km W     | Bairnsdale     | 80491  | 3700  | <i>Euoniticellus fulvus</i> |
| 130   | D.McPham       | 3km W     | Bairnsdale     | 80491  | 6050  | <i>Onthophagus binodis</i>  |
| 130   | R.Berting      | 10km W    | Bairnsdale     | 80491  | 6050  | <i>Onthophagus binodis</i>  |
| 130   | R.Berting      | 10km W    | Bairnsdale     | 80491  | 3700  | <i>Euoniticellus fulvus</i> |
| 130   | P.Martin       | 25km W    | Bairnsdale     | 80491  | 3700  | <i>Euoniticellus fulvus</i> |
| 130   | P.Martin       | 25km W    | Bairnsdale     | 80491  | 6050  | <i>Onthophagus binodis</i>  |
| 49    |                | 15km SE   | Ballarat       | 270390 | 922   | <i>Geotrupes spiniger</i>   |
| 49    |                | 15km NW   | Ballarat       | 270390 | 923   | <i>Geotrupes spiniger</i>   |
|       | Apparal Lodge  | 10km from | Ballarat       | 200489 | 280   | <i>Geotrupes spiniger</i>   |
| 26    | A.Murnane      | 5km S     | Barongarook    | 120290 | 38000 | <i>Onthophagus taurus</i>   |
| 26    | A.Murnane      | 5km S     | Barongarook    | 120290 | 41500 | <i>Euoniticellus fulvus</i> |
| 131   | P.Moor         |           | Barwo ?        | 150491 | 2050  | <i>Euoniticellus fulvus</i> |
| 60    |                |           | Bayles         | 171290 | 2783  | <i>Onitis pecuarius</i>     |
| 60    |                |           | Bayles         | 171290 | 580   | <i>Onitis alexis</i>        |
| 60    |                |           | Bayles         | 171290 | 280   | <i>Onthophagus binodis</i>  |
| 130   | A.Neale        |           | Bruthem        | 80491  | 6050  | <i>Onthophagus binodis</i>  |
| 130   | A.Neale        |           | Bruthem        | 80491  | 3700  | <i>Euoniticellus fulvus</i> |
| 8     | V.Biasi        | Sth edge  | Bunyip         | 111289 | 984   | <i>Onthophagus taurus</i>   |
| 8     | V.Biasi        | Sth edge  | Bunyip         | 111289 | 1124  | <i>Euoniticellus fulvus</i> |
| 3     | Weerite        | 7km E     | Camperdown     | 201189 | 2800  | <i>Onthophagus taurus</i>   |
| 3     | Weerite        | 7km E     | Camperdown     | 201189 | 1700  | <i>Euoniticellus fulvus</i> |
| 107   | Narochid       | 5km       | Camperdown     | 40391  | 1400  | <i>Geotrupes spiniger</i>   |
| 107   | P.Mariott      | 9km N     | Camperdown     | 40391  | 1400  | <i>Geotrupes spiniger</i>   |
| 11    |                | 5km W     | Carlisle River | 181289 | 927   | <i>Onitis pecuarius</i>     |
| 73    | T.Harris       | 5km S     | Carlisle River | 140191 | 1406  | <i>Geotrupes spiniger</i>   |
| 40    | J.Currell      | 2km N     | Cobden         | 50390  | 720   | <i>Geotrupes spiniger</i>   |
| 88    | Glenfyne       | 8km SW    | Cobden         | 50291  | 700   | <i>Geotrupes spiniger</i>   |
| 50    | G.Bell         |           | Cobram         | 270390 | 100   | <i>Onthophagus binodis</i>  |
| 50    | G.Bell         |           | Cobram         | 270390 | 308   | <i>Geotrupes spiniger</i>   |
| 50    | N.Buzza        |           | Cobram         | 280390 | 308   | <i>Geotrupes spiniger</i>   |
| 54    | C.Foster       |           | Cobram         | 261190 | 4927  | <i>Onthophagus taurus</i>   |
| 54    | C.Foster       |           | Cobram         | 261190 | 3720  | <i>Euoniticellus fulvus</i> |
| 54    | C.Foster       |           | Cobram         | 261190 | 963   | <i>Onthophagus binodis</i>  |
| 86    | Yarroweyah     | 5km E     | Cobram         | 290191 | 14132 | <i>Onthophagus binodis</i>  |
| 86    | Yarroweyah     | 5km E     | Cobram         | 290191 | 1866  | <i>Geotrupes spiniger</i>   |
| 86    | E.Cox          | 6km S     | Cobram         | 290191 | 10599 | <i>Onthophagus binodis</i>  |
| 86    | E.Cox          | 6km S     | Cobram         | 290191 | 1400  | <i>Geotrupes spiniger</i>   |
| 86    | Koonoomoo      | 4km W     | Cobram         | 290191 | 14132 | <i>Onthophagus binodis</i>  |
| 86    | Koonoomoo      | 4km W     | Cobram         | 290191 | 1866  | <i>Geotrupes spiniger</i>   |
| 86    |                | 1km N     | Cobram         | 290191 | 7066  | <i>Onthophagus binodis</i>  |
| 86    |                | 1km N     | Cobram         | 290191 | 933   | <i>Geotrupes spiniger</i>   |
| 86    | R.Ritchie      |           | Cobram         | 290191 | 3533  | <i>Onthophagus binodis</i>  |
| 86    | R.Ritchie      |           | Cobram         | 290191 | 467   | <i>Geotrupes spiniger</i>   |
| 86    |                | 2km NE    | Cobram         | 290191 | 3533  | <i>Onthophagus binodis</i>  |
| 86    |                | 2km NE    | Cobram         | 290191 | 467   | <i>Geotrupes spiniger</i>   |
| 98    | Central Boosey | 15km SE   | Cobram         | 180291 | 700   | <i>Geotrupes spiniger</i>   |
| 98    | Bungartha      | 30km SW   | Cobram         | 180291 | 700   | <i>Geotrupes spiniger</i>   |
| 98    | Katunga        | 20km W    | Cobram         | 180291 | 700   | <i>Geotrupes spiniger</i>   |
| 98    | Mywee          | 15km NW   | Cobram         | 180291 | 700   | <i>Geotrupes spiniger</i>   |
| 98    | Yarroweyah     | 5km W     | Cobram         | 180291 | 700   | <i>Geotrupes spiniger</i>   |
| 109   | Yarroweyah     | 10km SW   | Cobram         | 40391  | 700   | <i>Geotrupes spiniger</i>   |
| 109   | Yalca          | 30km W    | Cobram         | 40391  | 700   | <i>Geotrupes spiniger</i>   |
| 109   | Tielumo        | 40km W    | Cobram         | 40391  | 700   | <i>Geotrupes spiniger</i>   |
| 109   | Mywee          | 20km W    | Cobram         | 40391  | 700   | <i>Geotrupes spiniger</i>   |
| 165   |                |           | Cobram         | 210192 | 6598  | <i>Euoniticellus fulvus</i> |
| 165   |                |           | Cobram         | 210192 | 4149  | <i>Onthophagus taurus</i>   |
| 126   |                |           | Cobram West    | 20491  | 775   | <i>Geotrupes spiniger</i>   |
| 15    |                | 5km S     | Colac          | 80190  | 1500  | <i>Onitis pecuarius</i>     |
| 15    |                | 5km S     | Colac          | 80190  | 15000 | <i>Onthophagus taurus</i>   |

|     |                       |          |               |        |       |                               |
|-----|-----------------------|----------|---------------|--------|-------|-------------------------------|
| 15  |                       | 5km S    | Colac         | 80190  | 20500 | <i>Euoniticellus fulvus</i>   |
| 36  | G.Mahood              | 12km N   | Colac         | 50390  | 800   | <i>Onthophagus binodis</i>    |
| 36  | G.Mahood              | 12km N   | Colac         | 50390  | 1200  | <i>Euoniticellus fulvus</i>   |
| 40  | G.Box                 | 8km NE   | Colac         | 50390  | 720   | <i>Geotrupes spiniger</i>     |
| 47  | J.Miller              | 18km N   | Colac         | 130390 | 1800  | <i>Onthophagus binodis</i>    |
| 47  | J.Miller              | 18km N   | Colac         | 130390 | 300   | <i>Onthophagus taurus</i>     |
| 47  | J.Miller              | 18km N   | Colac         | 130390 | 600   | <i>Euoniticellus fulvus</i>   |
| 56a | P.Cobbledick          | 7km N    | Colac         | 31290  | 1084  | <i>Onthophagus binodis</i>    |
| 56a | P.Cobbledick          | 7km N    | Colac         | 31290  | 3316  | <i>Onthophagus taurus</i>     |
| 56b |                       | 18km     | Colac         | 31290  | 1282  | <i>Onthophagus binodis</i>    |
| 56b |                       | 18km     | Colac         | 31290  | 420   | <i>Onthophagus taurus</i>     |
| 63  | D.Bentley             | 31km NE  | Colac         | 181290 | 2070  | <i>Onthophagus binodis</i>    |
| 63  | D.Bentley             | 31km NE  | Colac         | 181290 | 4138  | <i>Onthophagus taurus</i>     |
| 63  | D.Bentley             | 31km NE  | Colac         | 181290 | 7427  | <i>Euoniticellus fulvus</i>   |
| 128 |                       | 10km W   | Colac         | 80491  | 620   | <i>Geotrupes spiniger</i>     |
|     | K.Wilson, Irrewillipe | 15km SW  | Colac         | ?      | ?     | ?                             |
| 56a | P.Cobbledick          | 7km N    | Colac         | 31290  | 306   | <i>Euoniticellus pallipes</i> |
| 88  | J.Kenny               | 7km NNE  | Colac         | 50291  | 1400  | <i>Geotrupes spiniger</i>     |
| 125 | G.Rathien             | 4km NE   | Colbinabbin   | 20491  | 4200  | <i>Onthophagus binodis</i>    |
| 125 | G.Rathien             | 4km NE   | Colbinabbin   | 20491  | 8000  | <i>Euoniticellus fulvus</i>   |
| 125 | G.Rathien             | 4km NE   | Colbinabbin   | 20491  | 1000  | <i>Onthophagus taurus</i>     |
| 125 | G.Rathjen             | 4km NE   | Colbinabbin   | 20491  | 700   | <i>Geotrupes spiniger</i>     |
| 48  | Pine Lodge Nth        | 8km E    | Congupna      | 200390 | 700   | <i>Geotrupes spiniger</i>     |
| 85b | D.Greenslade          | 4km S    | Cooma, Vic    | 300191 | 7600  | <i>Onthophagus binodis</i>    |
| 111 | D.&J. Bell            | 1km W    | Cudgee        | 120391 | 1400  | <i>Geotrupes spiniger</i>     |
| 111 | C.&M. Curtis          | 3km SW   | Cudgee        | 120391 | 7400  | <i>Euoniticellus fulvus</i>   |
| 111 | C.&M.Curtis           | 3km SW   | Cudgee        | 120391 | 700   | <i>Onthophagus taurus</i>     |
| 111 | C.&M.Curtis           | 3km SW   | Cudgee        | 120391 | 4100  | <i>Onthophagus binodis</i>    |
| 127 | K.Haberfield          | 3km W    | Dennington    | 20491  | 800   | <i>Geotrupes spiniger</i>     |
| 24  | Laemmle Prop.         |          | Devon Meadows | 50290  | 34000 | <i>Onthophagus taurus</i>     |
| 24  | Laemmle Prop.         |          | Devon Meadows | 50290  | 41000 | <i>Euoniticellus fulvus</i>   |
| 72  | B.McGregor            |          | Dingee        | 140191 | 3083  | <i>Onthophagus binodis</i>    |
| 72  | B.McGregor            |          | Dingee        | 140191 | 9446  | <i>Euoniticellus fulvus</i>   |
| 72  | A.Doolan              |          | Dingee        | 140191 | 3084  | <i>Onthophagus binodis</i>    |
| 72  | A.Doolan              |          | Dingee        | 140191 | 9446  | <i>Euoniticellus fulvus</i>   |
| 99  | G.Bird                |          | Dingee        | 180291 | 700   | <i>Geotrupes spiniger</i>     |
| 99  | C.Bird                |          | Dingee        | 180291 | 700   | <i>Geotrupes spiniger</i>     |
| 99  | K.Loury               |          | Dingee        | 180291 | 700   | <i>Geotrupes spiniger</i>     |
| 108 | Nalinga               | 8km S    | Dookie        | 40391  | 1650  | <i>Onthophagus taurus</i>     |
| 108 | Nalinga               | 8km S    | Dookie        | 40391  | 5600  | <i>Euoniticellus fulvus</i>   |
| 108 | Nalinga               | 8km S    | Dookie        | 40391  | 2600  | <i>Onthophagus binodis</i>    |
| 42  | J.Herrick             |          | Drouin        | 120390 | 3540  | <i>Geotrupes spiniger</i>     |
| 112 |                       | 8km S    | Drouin        | 210391 | 3500  | <i>Geotrupes spiniger</i>     |
| 85b | K.Hart                | 10km SE  | Echuca        | 300191 | 11250 | <i>Euoniticellus fulvus</i>   |
| 85b | K.Hart                | 10km SE  | Echuca        | 300191 | 2000  | <i>Onthophagus taurus</i>     |
| 117 | G.Riordan             | 15km SW  | Echuca        | 190391 | 700   | <i>Geotrupes spiniger</i>     |
| 117 | L.Bonazza             | 10km SW  | Echuca        | 190391 | 700   | <i>Geotrupes spiniger</i>     |
| 75  | I.Woods               | 10km NNE | Emerald       | 140190 | 5174  | <i>Onthophagus taurus</i>     |
| 75  | I.Woods               | 10km NNE | Emerald       | 140190 | 24000 | <i>Euoniticellus fulvus</i>   |
| 99  | V.Brewen              | 7km S    | Euroa         | 180291 | 700   | <i>Geotrupes spiniger</i>     |
|     | Springfield           | 33km SE  | Euroa         | 120589 | 180   | <i>Geotrupes spiniger</i>     |
| 43  | Kenberry Park         | 5km S    | Fish Crk      | 120390 | 600   | <i>Geotrupes spiniger</i>     |
| 27  | M.Davies              | 30km S   | Foster        | 120290 | 15200 | <i>Onthophagus taurus</i>     |
| 27  | M.Davies              | 30km S   | Foster        | 120290 | 16600 | <i>Euoniticellus fulvus</i>   |
| 104 | I.Eddy                | 3km W    | Foster        | 250291 | 1400  | <i>Geotrupes spiniger</i>     |
| 65  | Moriac Park           |          | Geelong       | 20191  | 411   | <i>Onthophagus binodis</i>    |
| 65  | Moriac Park           |          | Geelong       | 20191  | 9343  | <i>Euoniticellus fulvus</i>   |
| 65  | Moriac Park           |          | Geelong       | 20191  | 3939  | <i>Onthophagus taurus</i>     |
| 68  | Moriac Park           |          | Geelong       | 70191  | 14280 | <i>Euoniticellus fulvus</i>   |
| 68  | Moriac Park           |          | Geelong       | 70191  | 1000  | <i>Onthophagus taurus</i>     |
| 97  |                       | 2km E    | Geelong       | 180291 | 700   | <i>Geotrupes spiniger</i>     |
| 85b | I.Meneghetti          | 5km W    | Girgarre      | 300191 | 700   | <i>Geotrupes spiniger</i>     |
| 117 | S.Linford             | 3km E    | Girgarre      | 190391 | 2680  | <i>Onthophagus binodis</i>    |
| 117 | S.Linford             | 3km E    | Girgarre      | 190391 | 6100  | <i>Euoniticellus fulvus</i>   |
| 117 | S.Linford             | 3km E    | Girgarre      | 190391 | 450   | <i>Onthophagus taurus</i>     |

|      |                    |          |               |        |       |                             |
|------|--------------------|----------|---------------|--------|-------|-----------------------------|
| 125  | Timmering          | 13km W   | Girgarre      | 20491  | 700   | <i>Geotrupes spiniger</i>   |
|      | J.&H.Briggs        | 2km from | Glenrowan     | Mar-88 | 4000  | <i>Onthophagus taurus</i>   |
|      | J.&H.Briggs        | 2km from | Glenrowan     | Mar-88 | 4000  | <i>Euoniticellus fulvus</i> |
|      | Rosebank           |          | Glenhompson   | 300389 | 400   | <i>Onthophagus binodis</i>  |
| 174a | M.Cantor           | 6.5km E  | Hampton       | 101292 | 1630  | <i>Euoniticellus fulvus</i> |
| 174a | M.Cantor           | 6.5km E  | Hampton       | 101292 | 2607  | <i>Onthophagus taurus</i>   |
| 4    | Haining Farm       |          | Healsville    | 271189 | 3280  | <i>Onthophagus taurus</i>   |
| 4    | Haining Farm       |          | Healsville    | 271189 | 4000  | <i>Euoniticellus fulvus</i> |
| 41   | Haining Farm       |          | Healsville    | 120390 | 1200  | <i>Geotrupes spiniger</i>   |
| 40   | I. Argo            | 8km W    | Heywood       | 50390  | 720   | <i>Geotrupes spiniger</i>   |
| 14   | Jacksons Tk.       | 2km E    | Jindivik      | 80190  | 1500  | <i>Onitis pecuarius</i>     |
| 14   | Jacksons Tk.       | 2km E    | Jindivik      | 80190  | 300   | <i>Onthophagus binodis</i>  |
| 14   | Jacksons Tk.       | 2km E    | Jindivik      | 80190  | 15000 | <i>Onthophagus taurus</i>   |
| 14   | Jacksons Tk.       | 2km E    | Jindivik      | 80190  | 20500 | <i>Euoniticellus fulvus</i> |
| 50   | R.Gibson           |          | Katamatite    | 270390 | 308   | <i>Geotrupes spiniger</i>   |
| 125  | B.Slatte           | 4km E    | Katandra West | 20491  | 700   | <i>Geotrupes spiniger</i>   |
| 2    | M.McNeil           | 24km E   | Kerang        | 201189 | 600   | <i>Onthophagus taurus</i>   |
| 2    | M.McNeil           | 24km E   | Kerang        | 201189 | 3860  | <i>Onthophagus binodis</i>  |
| 85b  | H.Safe             | 8km SW   | Koondrook     | 300191 | 2800  | <i>Geotrupes spiniger</i>   |
| 127  | R.Dumsney          | 8km W    | Koroit        | 20491  | 800   | <i>Geotrupes spiniger</i>   |
| 116  | A.Westblade        |          | Korooop       | 190391 | 875   | <i>Geotrupes spiniger</i>   |
| 132  | C.Spencer          |          | Kotupna       | 220491 | 547   | <i>Geotrupes spiniger</i>   |
| 35   | Wyuna              | 7km N    | Kyabram       | 260290 | 300   | <i>Geotrupes spiniger</i>   |
| 35   | Lancaster Rd       |          | Kyabram       | 260290 | 300   | <i>Geotrupes spiniger</i>   |
| 108  | A&IPRI             | 2km S    | Kyabram       | 40391  | 700   | <i>Geotrupes spiniger</i>   |
| 108  | Cooma              | 8km S    | Kyabram       | 40391  | 700   | <i>Geotrupes spiniger</i>   |
| 108  | Ky Valley          | 5km W    | Kyabram       | 40391  | 700   | <i>Geotrupes spiniger</i>   |
| 60   |                    |          | Lance Creek   | 171290 | 2782  | <i>Onitis pecuarius</i>     |
| 60   |                    |          | Lance Creek   | 171290 | 580   | <i>Onitis alexis</i>        |
| 60   |                    |          | Lance Creek   | 171290 | 280   | <i>Onyophagus binodis</i>   |
| 31   | J.Rogers           |          | Lang Lang     | 190290 | 660   | <i>Geotrupes spiniger</i>   |
| 164  |                    |          | Leongatha     | 300392 | 7623  | <i>Euoniticellus fulvus</i> |
| 164  |                    |          | Leongatha     | 300392 | 3612  | <i>Onthophagus taurus</i>   |
| 13   | Riverlea Dairy     | 9km N    | Melb. Airport | 201289 | 900   | <i>Onitis pecuarius</i>     |
| 55   | Glendara           | 40km ENE | Melbourne     | 261190 | 5171  | <i>Onthophagus taurus</i>   |
| 55   | Glendara           | 40km ENE | Melbourne     | 261190 | 5908  | <i>Euoniticellus fulvus</i> |
| 55   | Glendara           | 40km ENE | Melbourne     | 261190 | 195   | <i>Onitis pecuarius</i>     |
| 85b  | W.Trotter          | 7km NW   | Mooroopna     | 300191 | 700   | <i>Geotrupes spiniger</i>   |
| 83   | J.Bennett          | 8km SW   | Morwell       | 220191 | 1381  | <i>Geotrupes spiniger</i>   |
| 32   | A.Buykx            |          | Muckatah      | 190290 | 6600  | <i>Onthophagus taurus</i>   |
| 32   | A.Buykx            |          | Muckatah      | 190290 | 10000 | <i>Euoniticellus fulvus</i> |
| 108  | D.Tuhan            |          | Murcheson     | 60391  | 1650  | <i>Onthophagus taurus</i>   |
| 108  | D.Tuhan            |          | Murcheson     | 60391  | 5600  | <i>Euoniticellus fulvus</i> |
| 108  | D.Tuhan            |          | Murcheson     | 60391  | 2600  | <i>Onthophagus binodis</i>  |
| 108  | Baileston          | 7km S    | Murchison     | 40391  | 700   | <i>Geotrupes spiniger</i>   |
| 173  | D.Klyn             | 6km W    | Murchison     | 301192 | 2395  | <i>Euoniticellus fulvus</i> |
| 173  | D.Klyn             | 6km W    | Murchison     | 301192 | 871   | <i>Onthophagus taurus</i>   |
| 32   | M.Hodgson          |          | Mywee         | 190290 | 13200 | <i>Onthophagus taurus</i>   |
| 32   | M.Hodgson          |          | Mywee         | 190290 | 20000 | <i>Euoniticellus fulvus</i> |
| 48   | McMiekens Rd       |          | Nalinga       | 200390 | 600   | <i>Geotrupes spiniger</i>   |
| 126  |                    |          | Nathalia      | 20491  | 775   | <i>Geotrupes spiniger</i>   |
| 111  |                    | 5km NW   | Panmure       | 120391 | 1400  | <i>Geotrupes spiniger</i>   |
| 116  | Torrumbarry Wr Rd  |          | Patho         | 190391 | 2680  | <i>Onthophagus binodis</i>  |
| 116  | Torrumbarry Wr Rd  |          | Patho         | 190391 | 6100  | <i>Euoniticellus fulvus</i> |
| 116  | Torrumbarry Wr Rd  |          | Patho         | 190391 | 430   | <i>Onthophagus taurus</i>   |
| 116  | Cowerty Rd         |          | Patho         | 190391 | 875   | <i>Geotrupes spiniger</i>   |
| 116  | Torrumbarry Wr Rd  |          | Patho         | 190391 | 875   | <i>Geotrupes spiniger</i>   |
| 127  | G.Couch            | 3km NW   | Peterborough  | 20491  | 800   | <i>Geotrupes spiniger</i>   |
| 126  |                    |          | Picola        | 20491  | 775   | <i>Geotrupes spiniger</i>   |
| 131  | C.Crane            |          | Picola        | 150491 | 1400  | <i>Geotrupes spiniger</i>   |
| 26   | R.Howlett          | 8km W    | Port Fairy    | 120290 | 38000 | <i>Onthophagus taurus</i>   |
| 26   | R.Howlett          | 8km W    | Port Fairy    | 120290 | 41500 | <i>Euoniticellus fulvus</i> |
| 63   | J.Todd, Latrobe Rd |          | Princetown    | 181290 | 7427  | <i>Euoniticellus fulvus</i> |
| 63   | J.Todd, Latrobe Rd |          | Princetown    | 181290 | 4138  | <i>Onthophagus taurus</i>   |
| 63   | J.Todd, Latrobe Rd |          | Princetown    | 181290 | 2070  | <i>Onthophagus binodis</i>  |



|     |                   |              |               |        |       |                               |
|-----|-------------------|--------------|---------------|--------|-------|-------------------------------|
| 73  | T.Gardiner        | Currell's Rd | Pt. Campbell  | 140191 | 700   | <i>Geotrupes spiniger</i>     |
| 88  | J.Tregea          | 5km N        | Pt. Campbell  | 50291  | 700   | <i>Geotrupes spiniger</i>     |
| 132 | H.Hoppe           | 5km NE       | Rochester     | 220491 | 547   | <i>Geotrupes spiniger</i>     |
| 132 | A.Russell         | 4km S        | Rochester     | 220491 | 11650 | <i>Onthophagus binodis</i>    |
| 132 | A.Russell         | 4km S        | Rochester     | 220491 | 2000  | <i>Euoniticellus fulvus</i>   |
| 191 | M. Pitt           | 4km W        | Romsey        | 270193 | 2649  | <i>Euoniticellus fulvus</i>   |
| 191 | M.Pitt            | 4km W        | Romsey        | 270193 | 912   | <i>Onthophagus taurus</i>     |
| 19  | L.Clarke          | 20km S       | Shepparton    | 210190 | 3125  | <i>Onthophagus taurus</i>     |
| 19  | L.Clarke          | 20km S       | Shepparton    | 210190 | 10000 | <i>Euoniticellus fulvus</i>   |
| 19  | N.Trevalyan       | 16km E       | Shepparton    | 210190 | 3125  | <i>Onthophagus taurus</i>     |
| 19  | N.Trevalyan       | 16km E       | Shepparton    | 210190 | 10000 | <i>Euoniticellus fulvus</i>   |
| 19  | G.Flanigan        | 10km E       | Shepparton    | 210190 | 3125  | <i>Onthophagus taurus</i>     |
| 19  | G.Flanigan        | 10km E       | Shepparton    | 210190 | 10000 | <i>Euoniticellus fulvus</i>   |
| 19  | W.McPherson       | 20km N       | Shepparton    | 210190 | 1636  | <i>Onitis pecuarius</i>       |
| 5   | Bunbartha         | 14km N       | Shepparton    | 271189 | 128   | <i>Onthophagus taurus</i>     |
| 5   | Bunbartha         | 14km N       | Shepparton    | 271189 | 1742  | <i>Onthophagus binodis</i>    |
| 17  | K.Ford            | 5km SE       | Shepparton    | 160190 | 2800  | <i>Onthophagus taurus</i>     |
| 17  | K.Ford            | 5km SE       | Shepparton    | 160190 | 7800  | <i>Euoniticellus fulvus</i>   |
| 19  | A.Lambrecht       | 7km N        | Shepparton    | 210190 | 3125  | <i>Onthophagus taurus</i>     |
| 19  | A.Lambrecht       | 7km N        | Shepparton    | 210190 | 10000 | <i>Euoniticellus fulvus</i>   |
| 34  | B.Read            | 25km SE      | Shepparton    | 260290 | 300   | <i>Geotrupes spiniger</i>     |
| 34  | B.Read            | 25km SE      | Shepparton    | 260290 | 2100  | <i>Onthophagus binodis</i>    |
| 35  | Congupna          | 8km NE       | Shepparton    | 260290 | 300   | <i>Geotrupes spiniger</i>     |
| 35  | Kialla            | 3km S        | Shepparton    | 260290 | 300   | <i>Geotrupes spiniger</i>     |
| 53  | M.Evans           |              | Shepparton    | 191190 | 7526  | <i>Onthophagus taurus</i>     |
| 53  | M.Evans           |              | Shepparton    | 191190 | 10251 | <i>Euoniticellus fulvus</i>   |
| 139 | Bunbartha         |              | Shepparton    | 160192 | 5000  | <i>Euoniticellus fulvus</i>   |
| 139 | Bunbartha         |              | Shepparton    | 160192 | 1600  | <i>Onthophagus taurus</i>     |
| 63  | M.Stevenson       | 15km W       | Simpson       | 181290 | 2070  | <i>Onthophagus binodis</i>    |
| 63  | M.Stevenson       | 15km W       | Simpson       | 181290 | 4138  | <i>Onthophagus taurus</i>     |
| 63  | M.Stevenson       | 15km W       | Simpson       | 181290 | 7427  | <i>Euoniticellus fulvus</i>   |
| 107 |                   | 15km SE      | Simpson       | 40391  | 1400  | <i>Geotrupes spiniger</i>     |
| 128 |                   | 20km SE      | Simpson       | 80491  | 620   | <i>Geotrupes spiniger</i>     |
| 128 |                   | 15km N       | Simpson       | 80491  | 620   | <i>Geotrupes spiniger</i>     |
| 128 |                   | 20km SW      | Simpson       | 80491  | 620   | <i>Geotrupes spiniger</i>     |
| 73  |                   | 20km S       | Simpson       | 140191 | 703   | <i>Geotrupes spiniger</i>     |
| 17  | W.Exton           | 3km W        | Stanhope      | 160190 | 7800  | <i>Euoniticellus fulvus</i>   |
| 17  | W.Exton           | 3km W        | Stanhope      | 160190 | 2800  | <i>Onthophagus taurus</i>     |
| 17  | J.Hodgins         | 2km SE       | Stanhope      | 160190 | 8000  | <i>Euoniticellus fulvus</i>   |
| 17  | J.Hodgins         | 2km SE       | Stanhope      | 160190 | 4000  | <i>Onthophagus taurus</i>     |
| 57  | Salesian RC Col   |              | Sunbury       | 31290  | 347   | <i>Onitis pecuarius</i>       |
| 96  | 335 Settlement Rd |              | Sunbury       | 180291 | 1400  | <i>Geotrupes spiniger</i>     |
| 72  | G.Montgomery      | 4km N        | Tallygaroopna | 140191 | 3083  | <i>Onthophagus binodis</i>    |
| 72  | G.Montgomery      | 4km N        | Tallygaroopna | 140191 | 9446  | <i>Euoniticellus fulvus</i>   |
| 85b | G.Thompson        | 5km E        | Tallygaroopna | 300191 | 11250 | <i>Euoniticellus fulvus</i>   |
| 85b | G.Thompson        | 5km E        | Tallygaroopna | 300191 | 2000  | <i>Onthophagus taurus</i>     |
| 83  | S.Haywood         | 5km N        | Tarragon      | 220191 | 1381  | <i>Geotrupes spiniger</i>     |
| 72  | Bymeside          | 5km W        | Tatura        | 140191 | 3083  | <i>Onthophagus binodis</i>    |
| 72  | Bymeside          | 5km W        | Tatura        | 140191 | 9446  | <i>Euoniticellus fulvus</i>   |
| 132 | W.Heale           | 11km W       | Tatura        | 220491 | 547   | <i>Geotrupes spiniger</i>     |
| 25  | G.Weller          | via Prairie  | Tennyson      | 270190 | 1000  | <i>Onthophagus binodis</i>    |
| 56  | P.Bourke          | 8km NW       | Terang        | 31290  | 1084  | <i>Onthophagus binodis</i>    |
| 56  | P.Bourke          | 8km NW       | Terang        | 31290  | 3316  | <i>Euoniticellus fulvus</i>   |
| 56  | P.Bourke          | 8km NW       | Terang        | 31290  | 306   | <i>Euoniticellus pallipes</i> |
| 121 | C.Baxter          | 14km N       | Terang        | 250391 | 3750  | <i>Geotrupes spiniger</i>     |
| 121 | C.Baxter          | 14km N       | Terang        | 250391 | 5400  | <i>Onthophagus binodis</i>    |
| 121 | I.Woodhouse       | 12km NE      | Terang        | 250391 | 1200  | <i>Onthophagus taurus</i>     |
| 121 | I.Woodhouse       | 12km NE      | Terang        | 250391 | 5500  | <i>Euoniticellus fulvus</i>   |
| 40  | W.Wines           | 10km S       | Terang        | 50390  | 720   | <i>Geotrupes spiniger</i>     |
| 154 | Ashwood           | 22km S       | Terang        | 170292 | 4370  | <i>Euoniticellus fulvus</i>   |
| 154 | Ashwood           | 22km S       | Terang        | 170292 | 7144  | <i>Onthophagus taurus</i>     |
|     | K.Clarke          | 3km E        | Terang        | ?      | ?     | ?                             |
| 40  | C.Schultz         | 6km S        | Timboon       | 50390  | 720   | <i>Geotrupes spiniger</i>     |
| 117 | F.Northausen      | 8km N        | Tongala       | 190391 | 2680  | <i>Onthophagus binodis</i>    |
| 117 | F.Northausen      | 8km N        | Tongala       | 190391 | 6100  | <i>Euoniticellus fulvus</i>   |

|     |                 |         |             |        |        |                               |
|-----|-----------------|---------|-------------|--------|--------|-------------------------------|
| 117 | F.Northausen    | 8km N   | Tongala     | 190391 | 450    | <i>Onthophagus taurus</i>     |
| 117 | K.Harvie        | 6km W   | Tongala     | 190391 | 700    | <i>Geotrupes spiniger</i>     |
| 17  | H.Stephens      | 2km N   | Toolamba    | 160190 | 8000   | <i>Euoniticellus fulvus</i>   |
| 17  | H.Stephens      | 2km N   | Toolamba    | 160190 | 4000   | <i>Onthophagus taurus</i>     |
| 104 | M.Green         | 4km W   | Toora       | 250291 | 8000   | <i>Euoniticellus fulvus</i>   |
| 104 | M.Green         | 4km W   | Toora       | 250291 | 3400   | <i>Onthophagus taurus</i>     |
| 104 | M.Green         | 4km W   | Toora       | 250291 | 700    | <i>Geotrupes spiniger</i>     |
| 83  | J.Murphett      | 22km SE | Traralgon   | 220191 | 1381   | <i>Geotrupes spiniger</i>     |
| 19  | K.Anderson      | 4km N   | Undera      | 210190 | 3125   | <i>Onthophagus taurus</i>     |
| 19  | K.Anderson      | 4km N   | Undera      | 210190 | 10000  | <i>Euoniticellus fulvus</i>   |
| 117 | D.Sleeth        | 5km W   | Undera      | 190391 | 700    | <i>Geotrupes spiniger</i>     |
| 131 | C.Brooks        |         | Waaia       | 150491 | 2230   | <i>Onthophagus binodis</i>    |
| 116 | G.Murphy        |         | Wandella    | 190391 | 875    | <i>Geotrupes spiniger</i>     |
| 176 | S.Lew           |         | Warburton   | 151292 | 964    | <i>Euoniticellus fulvus</i>   |
| 176 | S.Lew           |         | Warburton   | 151292 | 1929   | <i>Onthophagus taurus</i>     |
|     | Haining Farm    |         | Warburton   | 271189 | 3200   | <i>Onthophagus taurus</i>     |
|     | Haining Farm    |         | Warburton   | 271189 | 4000   | <i>Euoniticellus fulvus</i>   |
| 41  | Haining Farm    |         | Warburton   | 120390 | 1200   | <i>Geotrupes spiniger</i>     |
| 69  | J.Parsons       | 46km SE | Warnambool  | 70191  | 47120  | <i>Euoniticellus fulvus</i>   |
| 69  | J.Parsons       | 46km SE | Warnambool  | 70191  | 4000   | <i>Onthophagus taurus</i>     |
| 74  | C.Curtis        | 23km N  | Warnambool  | 140191 | 2109   | <i>Geotrupes spiniger</i>     |
|     | W.Couch         | 45km SE | Warnambool  | ?      | ?      | ?                             |
| 1   | D.Dolphin       | 10km SE | Warragul    | 131189 | 1850   | <i>Onthophagus taurus</i>     |
| 1   | D.Dolphin       | 10km SE | Warragul    | 131189 | 700    | <i>Euoniticellus fulvus</i>   |
| 20  | Ferndale        | 15km S  | Warragul    | 290190 | 38200  | <i>Onthophagus taurus</i>     |
| 20  | Ferndale        | 15km S  | Warragul    | 290190 | 100900 | <i>Euoniticellus fulvus</i>   |
| 30  | Ellinbank       | 4km S   | Warragul    | 190290 | 990    | <i>Geotrupes spiniger</i>     |
| 83  | R.Young         | 2km S   | Warragul    | 220191 | 1381   | <i>Geotrupes spiniger</i>     |
| 83  | P.McNamara      | 20km SW | Warragul    | 220191 | 1381   | <i>Geotrupes spiniger</i>     |
| 89  | Brandy Crk      | 6km N   | Warragul    | 50291  | 4200   | <i>Geotrupes spiniger</i>     |
| 89  | Drouin West     | 12km NW | Warragul    | 50291  | 1200   | <i>Onthophagus binodis</i>    |
| 89  | Brandy Crk      | 6km N   | Warragul    | 50291  | 8400   | <i>Onthophagus taurus</i>     |
| 89  | Drouin West     | 12km NW | Warragul    | 50291  | 17200  | <i>Euoniticellus fulvus</i>   |
| 122 | Garfield        | 30km SW | Warragul    | 250391 | 2100   | <i>Geotrupes spiniger</i>     |
| 122 | Tanjil Sth      | 40km NE | Warragul    | 250391 | 2100   | <i>Geotrupes spiniger</i>     |
| 197 | J. Urie         | 10km NW | Warragul    | 100293 | 6584   | <i>Euoniticellus fulvus</i>   |
| 197 | J. Urie         | 10km NW | Warragul    | 100293 | 759    | <i>Onthophagus taurus</i>     |
| 58  | C.Adkins        | 1km N   | Warragul PO | 101290 | 2675   | <i>Onthophagus binodis</i>    |
| 58  | C.Adkins        | 1km N   | Warragul PO | 101290 | 841    | <i>Onthophagus taurus</i>     |
| 58  | C.Adkins        | 1km N   | Warragul PO | 101290 | 6156   | <i>Euoniticellus fulvus</i>   |
| 58  | C.Adkins        | 1km N   | Warragul PO | 101290 | 415    | <i>Euoniticellus pallipes</i> |
| 58  | C.Adkins        | 1km N   | Warragul PO | 101290 | 193    | <i>Onitis aygulus</i>         |
| 58  | C.Adkins        | 1km N   | Warragul PO | 101290 | 766    | <i>Onitis pecuarius</i>       |
| 52  | Lance Creek     | 10km NE | Wonthaggi   | 121190 | 1320   | <i>Onthophagus taurus</i>     |
| 52  | Lance Creek     | 10km NE | Wonthaggi   | 121190 | 1130   | <i>Euoniticellus fulvus</i>   |
| 199 | S.Morgan        |         | Woodend     | 150293 | 1097   | <i>Onthophagus binodis</i>    |
| 50  | C.Noetilhausen  |         | Wyuna       | 270390 | 307    | <i>Geotrupes spiniger</i>     |
| 104 | D.Morgan        | 4km W   | Yanckie Sth | 250291 | 1400   | <i>Geotrupes spiniger</i>     |
| 32  | R.Jones         |         | Yarroweyah  | 190290 | 3190   | <i>Onthophagus binodis</i>    |
| 10  | Killingworth Rd |         | Yea         | 181289 | 800    | <i>Onthophagus taurus</i>     |
| 10  | Killingworth Rd |         | Yea         | 181289 | 1600   | <i>Euoniticellus fulvus</i>   |
| 10  | Killingworth Rd |         | Yea         | 181289 | 760    | <i>Onthophagus binodis</i>    |
| 10  | Killingworth Rd |         | Yea         | 181289 | 600    | <i>Onitis pecuarius</i>       |
| 126 |                 |         | Yolec ?     | 20491  | 775    | <i>Geotrupes spiniger</i>     |

## Dung beetle releases – South Australia

| Index | Property         | Location | Town          | Date   | Q'ty  | Species name                |
|-------|------------------|----------|---------------|--------|-------|-----------------------------|
| 114   | Hackham          | 18km SE  | Adelaide      | 120391 | 700   | <i>Geotrupes spiniger</i>   |
| 160   |                  | 10km NE  | Beachport     | 20392  | 6180  | <i>Euoniticellus fulvus</i> |
| 160   |                  | 10km NE  | Beachport     | 20392  | 1400  | <i>Onthophagus taurus</i>   |
| 160   |                  | 20km N   | Beachport     | 20392  | 6180  | <i>Euoniticellus fulvus</i> |
| 160   |                  | 30km NE  | Beachport     | 20392  | 6180  | <i>Euoniticellus fulvus</i> |
| 156   |                  |          | Bordertown    | 170292 | 25000 | <i>Euoniticellus fulvus</i> |
| 156   |                  |          | Bordertown    | 170292 | 1500  | <i>Onthophagus taurus</i>   |
| 160   |                  | 10km NE  | Bray PO       | 20392  | 6180  | <i>Euoniticellus fulvus</i> |
| 180   |                  | 9km S    | Clare         | 40193  | 667   | <i>Onitis pecuarius</i>     |
| 160   |                  | 2&10km E | Conmurra      | 20392  | 6180  | <i>Euoniticellus fulvus</i> |
|       | P.Wooding        | 3km NE   | Coonawarra    | 260184 | 2000  | <i>Onthophagus taurus</i>   |
|       | Watts Gully      | 7km E    | Kersbrook     | 170287 | 400   | <i>Onthophagus taurus</i>   |
|       | Watts Gully      | 7km E    | Kersbrook     | 170287 | 600   | <i>Euoniticellus fulvus</i> |
| 148   |                  |          | Kongorong     | 30292  | 25740 | <i>Euoniticellus fulvus</i> |
| 150   | Loxton Nth Dairy | 8km NE   | Loxton        | 100292 | 12000 | <i>Euoniticellus fulvus</i> |
| 150   | Loxton Nth Dairy | 8km NE   | Loxton        | 100292 | 6000  | <i>Onthophagus taurus</i>   |
| 142a  | D.Foster         | 5km SE   | Meadows       | 210192 | 612   | <i>Onitis pecuarius</i>     |
| 182   | I.Newman         | 4km S    | Meadows       | 110193 | 725   | <i>Onitis pecuarius</i>     |
| 148   |                  |          | Millicent     | 30292  | 25740 | <i>Euoniticellus fulvus</i> |
| 136   |                  |          | Mount Gambier | 271191 | 24900 | <i>Euoniticellus fulvus</i> |
| 136   |                  |          | Mount Gambier | 271191 | 3000  | <i>Onthophagus taurus</i>   |
| 138   | Airport          |          | Mount Gambier | 130192 | 525   | <i>Onitis pecuarius</i>     |
| 138   | Bonney           | 5km NE   | Mount Gambier | 130192 | 6000  | <i>Euoniticellus fulvus</i> |
| 138   | Bonney           | 5km NE   | Mount Gambier | 130192 | 1250  | <i>Onthophagus taurus</i>   |
| 138   | Jones            | 8km SSW  | Mount Gambier | 130192 | 6000  | <i>Euoniticellus fulvus</i> |
| 138   | Jones            | 8km SSW  | Mount Gambier | 130192 | 1250  | <i>Onthophagus taurus</i>   |
| 143   |                  |          | Mount Gambier | 280192 | 70000 | <i>Euoniticellus fulvus</i> |
| 143   |                  |          | Mount Gambier | 280192 | 500   | <i>Onthophagus taurus</i>   |
| 148   |                  |          | Mount Gambier | 30292  | 25740 | <i>Euoniticellus fulvus</i> |
| 158a  |                  |          | Mount Gambier | 240292 | 20000 | <i>Euoniticellus fulvus</i> |
| 158a  |                  |          | Mount Gambier | 240292 | 1500  | <i>Onthophagus taurus</i>   |
| 163   |                  |          | Mount Gambier | 230392 | 7467  | <i>Euoniticellus fulvus</i> |
| 163   |                  |          | Mount Gambier | 230392 | 5634  | <i>Onthophagus taurus</i>   |
| 196   |                  |          | Mount Gambier | 80293  | 465   | <i>Onitis pecuarius</i>     |
| 141   |                  |          | Mount Gambier | 200192 | 98000 | <i>Euoniticellus fulvus</i> |
| 141   |                  |          | Mount Gambier | 200192 | 2823  | <i>Onthophagus taurus</i>   |
| 183   | A.Sargent        | 7km NE   | Mt.Barker     | 120193 | 570   | <i>Onitis pecuarius</i>     |
| 189   |                  |          | Mt.Barker     | 250193 | 1776  | <i>Onitis pecuarius</i>     |
| 158a  |                  | NNE      | Mt.Burr       | 240292 | 20000 | <i>Euoniticellus fulvus</i> |
| 158a  |                  | NNE      | Mt.Burr       | 240292 | 1500  | <i>Onthophagus taurus</i>   |
| 163   |                  | 6km NE   | Mt.Burr       | 230392 | 7467  | <i>Euoniticellus fulvus</i> |
| 163   |                  | 6km NE   | Mt.Burr       | 230392 | 5634  | <i>Onthophagus taurus</i>   |
| 188   | K.Kowald         |          | Mt.Torrens    | 180193 | 1038  | <i>Onitis pecuarius</i>     |
| 158a  |                  | West     | Narracoorte   | 240292 | 20000 | <i>Euoniticellus fulvus</i> |
| 158a  |                  | West     | Narracoorte   | 240292 | 1500  | <i>Onthophagus taurus</i>   |
| 195   | S.Kemp           |          | Oakbank       | 80293  | 409   | <i>Onitis pecuarius</i>     |
| 103   | L.Daly           | 35km W   | Penola        | 250291 | 700   | <i>Geotrupes spiniger</i>   |
| 143   |                  |          | Penola        | 280192 | 35000 | <i>Euoniticellus fulvus</i> |
| 143   |                  |          | Penola        | 280192 | 500   | <i>Onthophagus taurus</i>   |
| 158a  |                  |          | Penola        | 240292 | 20000 | <i>Euoniticellus fulvus</i> |
| 158a  |                  |          | Penola        | 240292 | 1500  | <i>Onthophagus taurus</i>   |
| 158a  |                  |          | Rendelsham    | 240292 | 20000 | <i>Euoniticellus fulvus</i> |
| 158a  |                  |          | Rendelsham    | 240292 | 1500  | <i>Onthophagus taurus</i>   |
| 149   | J.Triese         | 7km SW   | Renmark       | 100292 | 12000 | <i>Euoniticellus fulvus</i> |
| 149   | J.Triese         | 7km SW   | Renmark       | 100292 | 6000  | <i>Onthophagus taurus</i>   |
|       | Goodwood         | 5km S    | Rhynie        | 170287 | 400   | <i>Onthophagus taurus</i>   |
|       | Goodwood         | 5km S    | Rhynie        | 170287 | 600   | <i>Euoniticellus fulvus</i> |
|       | Goodwood         | 5km S    | Rhynie        | 170287 | 5000  | <i>Onthophagus binodis</i>  |
|       | Goodwood         | 5km S    | Rhynie        | 170287 | 260   | <i>Onitis alexis</i>        |
| 148   |                  |          | Tantaloona    | 30292  | 25740 | <i>Euoniticellus fulvus</i> |
| 148   |                  |          | Tarpeena      | 30292  | 25740 | <i>Euoniticellus fulvus</i> |
| 148   |                  |          | Tarpeena      | 30292  | 1050  | <i>Onthophagus taurus</i>   |
| 33    | Black Valley     |          | Victor Harbor | 260190 | 7600  | <i>Euoniticellus fulvus</i> |
| 33    | Black Valley     |          | Victor Harbor | 260190 | 5600  | <i>Onthophagus taurus</i>   |
| 156   |                  |          | Willalooka    | 170292 | 25000 | <i>Euoniticellus fulvus</i> |
| 156   |                  |          | Willalooka    | 170292 | 1500  | <i>Onthophagus taurus</i>   |
| 194   | Btw. Naime &     |          | Woodside      | 20293  | 522   | <i>Onitis pecuarius</i>     |

## Dung beetle releases – Western Australia

| Index | Property               | Location | Town        | Date   | Q'ty | Species name              |
|-------|------------------------|----------|-------------|--------|------|---------------------------|
| 142b  |                        |          |             | 200192 | 152  | <i>Hister nomas</i>       |
| 208   | D.Wetherell,           | 4km NE   | Boyanup     | 40294  | 1891 | <i>Geotrupes spiniger</i> |
| 178   |                        | 2km E    | Bullsbrook  | 211292 | 673  | <i>Onitis pecuarius</i>   |
| 178   |                        | 2km E    | Bullsbrook  | 211202 | 45   | <i>Hister nomas</i>       |
| 190   |                        | 2km W    | Bullsbrook  | 260193 | 592  | <i>Onitis pecuarius</i>   |
| 190   |                        | 2km W    | Bullsbrook  | 260193 | 74   | <i>Hister nomas</i>       |
| 193   | P.Coates               | 12km SW  | Busselton   | 10293  | 522  | <i>Onitis pecuarius</i>   |
| 205   | P.Coates, Rocky Ridge  | 12km SW  | Busselton   | 170194 | 1036 | <i>Geotrupes spiniger</i> |
| 205   | H. Lindberg, Wiring Rd |          | Cowaramup   | 170194 | 1036 | <i>Geotrupes spiniger</i> |
| 207   | Denmark Ag. College    | 1km E    | Denmark     | 310194 | 2664 | <i>Geotrupes spiniger</i> |
| 205   | M. Fry, Upper Capel Rd |          | Donnybrook  | 170194 | 1036 | <i>Geotrupes spiniger</i> |
| 177   | Lakelands              | 20km SW  | Eneabba     | 171292 | 58   | <i>Hister nomas</i>       |
| 181   | N.Mostert              | 5km W    | Keysbrook   | 110193 | 500  | <i>Onitis pecuarius</i>   |
| 181   |                        |          |             | 110193 | 226  | <i>Onitis pacuarius</i>   |
|       | Koojan Hills           | 15km SW  | Kojinup     | 260885 | 266  | <i>Bubas bison</i>        |
|       | Koojan Hills           | 15km SW  | Kojinup     | 21085  | 100  | <i>Bubas bison</i>        |
|       | Koojan Hills           | 15km SW  | Kojinup     | 70586  | 220  | <i>Bubas bison</i>        |
| 206   | P.Walsh, Broomehill Rd | 2km E    | Kopjonup    | 230194 | 1460 | <i>Geotrupes spiniger</i> |
| 201   | J.Muir                 | 13km W   | Manjimup    | 220293 | 75   | <i>Geotrupes spiniger</i> |
| 203   | J.Muir, Doaks Rd       | 13km W   | Manjimup    | 60194  | 1000 | <i>Geotrupes spiniger</i> |
| 209   | G.Gibson               | 8km ESE  | Nannup      | 10394  | 1500 | <i>Geotrupes spiniger</i> |
| 186   | G.Ravenhill            | 5km SE   | Narrakup    | 180193 | 43   | <i>Hister nomas</i>       |
| 186   | G.Ravenhill            | 5km SE   | Narrakup    | 180193 | 519  | <i>Onitis pecuarius</i>   |
| 184   | T.Love, Duckpond Rd    |          | Peel Estate | 120193 | 331  | <i>Onitis pecuarius</i>   |
| 200   | T.Love, Duckpond Rd    |          | Peel Estate | 150293 | 351  | <i>Onitis pecuarius</i>   |
| 204   | T. Love, Duckpond Rd   |          | Peel Estate | 100194 | 556  | <i>Geotrupes spiniger</i> |
| 206   | T. Love, Duckpond Rd   |          | Peel Estate | 230194 | 733  | <i>Geotrupes spiniger</i> |
| 209   | G.Manning, Lowlands Rd | 5km W    | Serpentine  | 10394  | 2000 | <i>Geotrupes spiniger</i> |
| 177   | D.J.Birch              | 10km W   | Waroona     | 171292 | 636  | <i>Onitis pecuarius</i>   |
| 204   | A.J. White, Norkett Rd |          | Wattleup    | 100194 | 556  | <i>Geotrupes spiniger</i> |
| 206   | A.J.White, Norkett Rd  |          | Wattleup    | 230194 | 733  | <i>Geotrupes spiniger</i> |
| 208   | L. Brennan             | 4km S    | Witchcliffe | 40294  | 1210 | <i>Geotrupes spiniger</i> |
| 205   | B.Oates, Wonnerup Rd   |          | Wonnerup    | 170194 | 1036 | <i>Geotrupes spiniger</i> |
| 181   |                        |          |             | 110193 | 63   | <i>Hister nomas</i>       |
| 193   |                        |          |             | 10293  | 49   | <i>Hister nomas</i>       |
| 200   |                        |          |             | 10293  | 120  | <i>Hister nomas</i>       |
| 201   |                        |          |             | 150293 | 40   | <i>Hister nomas</i>       |
| 201   |                        |          |             | 220293 | 392  | <i>Onitis pecuarius</i>   |
| 204   |                        |          |             | 100194 | 556  | <i>Geotrupes spiniger</i> |
| 205   |                        |          |             | 170194 | 1040 | <i>Geotrupes spiniger</i> |
| 206   |                        |          |             | 230194 | 739  | <i>Geotrupes spiniger</i> |
| 207   |                        |          |             | 310194 | 450  | <i>Geotrupes spiniger</i> |
| 207   |                        |          |             | 310194 | 249  | <i>Onitis pecuarius</i>   |
| 207   |                        |          |             | 310194 | 249  | <i>Onitis alexis</i>      |
| 208   |                        |          |             | 40294  | 111  | <i>Geotrupes spiniger</i> |
| 209   |                        |          |             | 10394  | 132  | <i>Geotrupes spiniger</i> |
| 184   |                        |          |             | 120193 | 239  | <i>Geotrupes spiniger</i> |
| 203   |                        |          |             | 40194  | 1018 | <i>Geotrupes spiniger</i> |

## Dung beetle releases - Tasmania

\*new release for State

| Index | Property          | Location          | Town         | Date   | Q'ty  | Species name                   |
|-------|-------------------|-------------------|--------------|--------|-------|--------------------------------|
| 71    | R.Bowden          |                   | Bothwell     | 140191 | 12000 | <i>Euoniticellus fulvus</i>    |
| 71    | R.Bowden          |                   | Bothwell     | 140191 | 2537  | <i>Onthophagus taurus</i>      |
| 71    | H.Edgell          |                   | Bothwell     | 140191 | 12000 | <i>Euoniticellus fulvus</i>    |
| 71    | H.Edgell          |                   | Bothwell     | 140191 | 2537  | <i>Onthophagus taurus</i>      |
| 71    | C.Ellis           |                   | Bothwell     | 140191 | 12000 | <i>Euoniticellus fulvus</i>    |
| 71    | C.Ellis           |                   | Bothwell     | 140191 | 2537  | <i>Onthophagus taurus</i>      |
| 62    | Waterhouse        | 25km E            | Bridport     | 171290 | 337   | <i>Onthophagus binodis</i>     |
| 62    | Waterhouse        | 25km E            | Bridport     | 171290 | 643   | <i>Onthophagus taurus</i>      |
| 62    | Waterhouse        | 25km E            | Bridport     | 171290 | 1569  | <i>Onitis pecuarius</i>        |
| 62    | Waterhouse        | 25km E            | Bridport     | 171290 | 654   | <i>Onitis alexis</i>           |
| 51    | East Ridgely      | 20km S            | Burnie       | 30490  | 350   | <i>Geotrupes spiniger</i>      |
| 79    | Elliott Res. Stn. |                   | Burnie       | 220191 | 2800  | <i>Geotrupes spiniger</i>      |
| 94    | Elliott Res. Stn. |                   | Burnie       | 110291 | 10000 | <i>Euoniticellus fulvus</i>    |
| 94    | Elliott Res. Stn. |                   | Burnie       | 110291 | 11600 | <i>Onthophagus binodis</i>     |
| 129   |                   |                   | Burnie       | 80491  | 1860  | <i>Geotrupes spiniger</i>      |
| 144   | Elliott Res. Stn. |                   | Burnie       | 280192 | 60000 | <i>Euoniticellus fulvus</i>    |
| 144   | Elliott Res. Stn. |                   | Burnie       | 280192 | 1000  | <i>Onthophagus taurus</i>      |
| 152   | Elliott Res. Stn. |                   | Burnie       | 100292 | 60000 | <i>Euoniticellus fulvus</i>    |
| 152   | Elliott Res. Stn. |                   | Burnie       | 100292 | 1200  | <i>Onthophagus taurus</i>      |
| 155   | Elliott Res. Stn. |                   | Burnie       | 170292 | 32500 | <i>Euoniticellus fulvus</i>    |
| 155   | Elliott Res. Stn. |                   | Burnie       | 170292 | 21500 | <i>Onthophagus taurus</i>      |
| 158b  | Elliott Res. Stn. |                   | Burnie       | 240292 | 49000 | <i>Euoniticellus fulvus</i>    |
| 158b  | Elliott Res. Stn. |                   | Burnie       | 240292 | 11000 | <i>Onthophagus taurus</i>      |
| 161   | Elliott Res. Stn. |                   | Burnie       | 20392  | 30900 | <i>Euoniticellus fulvus</i>    |
| 161   | Elliott Res. Stn. |                   | Burnie       | 20392  | 1400  | <i>Onthophagus taurus</i>      |
| 168   | Elliott Res. Stn. |                   | Burnie       | 281092 | 15026 | <i>Euoniticellus fulvus</i>    |
| 168   | Elliott Res. Stn. |                   | Burnie       | 281092 | 2983  | <i>Onthophagus taurus</i>      |
| 172   | Elliott Res. Stn. |                   | Burnie       | 301192 | 879   | <i>Euoniticellus pallipes*</i> |
| 172   | Elliott Res. Stn. |                   | Burnie       | 301192 | 6018  | <i>Euoniticellus fulvus</i>    |
| 174   | Elliott Res. Stn. |                   | Burnie       | 71292  | 3795  | <i>Euoniticellus fulvus</i>    |
| 174   | Elliott Res. Stn. |                   | Burnie       | 71292  | 865   | <i>Onthophagus taurus</i>      |
| 163a  | Elliott Res. Stn. |                   | Burnie       | 30392  | 15246 | <i>Euoniticellus fulvus</i>    |
| 163a  | Elliott Res. Stn. |                   | Burnie       | 30392  | 7224  | <i>Onthophagus taurus</i>      |
| 119   | R.Anderson        | 13km off Bass Hwy | Calder       | 190391 | 1260  | <i>Geotrupes spiniger</i>      |
| 16    | S.Harvey          | 15km W            | Deloraine    | 160190 | 31600 | <i>Euoniticellus fulvus</i>    |
| 16    | S.Harvey          | 15km W            | Deloraine    | 160190 | 13600 | <i>Onthophagus taurus</i>      |
| 92    | Weegen            | 20km NW           | Deloraine    | 110291 | 2100  | <i>Geotrupes spiniger</i>      |
| 92    | Weegen            | 20km NW           | Deloraine    | 110291 | 5000  | <i>Euoniticellus fulvus</i>    |
| 92    | Weegen            | 20km NW           | Deloraine    | 110291 | 5800  | <i>Onthophagus binodis</i>     |
| 124   |                   |                   | Deloraine    | 250391 | 2800  | <i>Geotrupes spiniger</i>      |
| 62    | Kindred           | 18km SW           | Devonport    | 171290 | 654   | <i>Onitis alexis</i>           |
| 62    | Kindred           | 18km SW           | Devonport    | 171290 | 1569  | <i>Onitis pecuarius</i>        |
| 70    | Lady Barron Rd    |                   | Flinders Is. | 90191  | 2444  | <i>Onthophagus taurus</i>      |
| 70    | Lady Barron Rd    |                   | Flinders Is. | 90191  | 23688 | <i>Euoniticellus fulvus</i>    |
| 84    | Blue Rocks        |                   | Flinders Is. | 290191 | 700   | <i>Geotrupes spiniger</i>      |
| 84    | Sawyers Bay       |                   | Flinders Is. | 290191 | 700   | <i>Geotrupes spiniger</i>      |
| 79    | P.Ewington        |                   | Flinders Is. | 220191 | 2800  | <i>Geotrupes spiniger</i>      |
| 22    | T.Downie          |                   | Gretna       | 50290  | 4533  | <i>Onthophagus taurus</i>      |
| 22    | T.Downie          |                   | Gretna       | 50290  | 5467  | <i>Euoniticellus fulvus</i>    |
| 37    | D.Burnes          | Upper             | Irishtown    | 50390  | 600   | <i>Geotrupes spiniger</i>      |
| 93    | G.Davis           |                   | Irishtown    | 110291 | 2500  | <i>Euoniticellus fulvus</i>    |
| 93    | G.Davis           |                   | Irishtown    | 110291 | 2900  | <i>Onthophagus binodis</i>     |
| 93    | G.Davis           |                   | Irishtown    | 110291 | 700   | <i>Geotrupes spiniger</i>      |
| 175   | I.Lester          |                   | Irishtown    | 141292 | 5744  | <i>Euoniticellus fulvus</i>    |
| 175   | I.Lester          |                   | Irishtown    | 141292 | 5934  | <i>Onthophagus taurus</i>      |
| 16    |                   |                   | Irishtown    | 160190 | 1400  | <i>Onthophagus taurus</i>      |
| 16    |                   |                   | Irishtown    | 160190 | 3900  | <i>Euoniticellus fulvus</i>    |
| 64    | D.Murfett         |                   | Karoola      | 20191  | 1332  | <i>Onitis pecuarius</i>        |
| 105   | J.Charleston      |                   | Kindred      | 250291 | 2100  | <i>Geotrupes spiniger</i>      |
| 23    |                   |                   | King Is.     | 60290  | 6800  | <i>Onthophagus taurus</i>      |

|     |                  |          |              |        |       |                             |
|-----|------------------|----------|--------------|--------|-------|-----------------------------|
| 23  |                  |          | King Is.     | 60290  | 8200  | <i>Euoniticellus fulvus</i> |
| 29  | B.Crockett       | Currie   | King Is.     | 190290 | 330   | <i>Geotrupes spiniger</i>   |
| 91  |                  |          | King Is.     | 110291 | 700   | <i>Geotrupes spiniger</i>   |
| 91  |                  |          | King Is.     | 110291 | 5000  | <i>Euoniticellus fulvus</i> |
| 91  |                  |          | King Is.     | 110291 | 5800  | <i>Onthophagus binodis</i>  |
| 81  | J.Hudson         | Lymwood  | King Is.     | 210191 | 700   | <i>Geotrupes spiniger</i>   |
| 81  | Blackwood Park   | Lymwood  | King Is.     | 210191 | 700   | <i>Geotrupes spiniger</i>   |
|     | High School Farm |          | King Is.     | 310388 | 2700  | <i>Onthophagus binodis</i>  |
|     |                  |          | King Is.     | 110489 | 193   | <i>Geotrupes spiniger</i>   |
| 62  | Karoola          | 20km N   | Launceston   | 171290 | 1569  | <i>Onitis pecuarius</i>     |
| 62  | Karoola          | 20km N   | Launceston   | 171290 | 654   | <i>Onitis alexis</i>        |
| 44  | C.Lockhart       |          | Lebrina      | 120390 | 600   | <i>Geotrupes spiniger</i>   |
| 44  | K.Herris         |          | Marrawah     | 120390 | 900   | <i>Geotrupes spiniger</i>   |
| 16  |                  |          | Marrawah     | 160190 | 1400  | <i>Onthophagus taurus</i>   |
| 16  |                  |          | Marrawah     | 160190 | 3900  | <i>Euoniticellus fulvus</i> |
| 37  | G.Wiggs          |          | Marrawah     | 50390  | 600   | <i>Geotrupes spiniger</i>   |
| 93  | G.Garcie         | 6km N    | Mawbanna     | 110291 | 700   | <i>Geotrupes spiniger</i>   |
| 93  | L.Hofing         | 3km S    | Mawbanna     | 110291 | 700   | <i>Geotrupes spiniger</i>   |
| 179 | G.Freeman        |          | Milabeena    | 211292 | 1685  | <i>Euoniticellus fulvus</i> |
| 179 | G.Freeman        |          | Milabeena    | 211292 | 4304  | <i>Onthophagus taurus</i>   |
| 78  |                  |          | New Norfolk  | 210191 | 2800  | <i>Geotrupes spiniger</i>   |
| 22  | R.Ashbolt        |          | New Norfolk  | 50290  | 4533  | <i>Euoniticellus fulvus</i> |
| 22  | R.Ashbolt        |          | New Norfolk  | 50290  | 5467  | <i>Onthophagus taurus</i>   |
| 146 |                  |          | New Norfolk  | 30292  | 15000 | <i>Euoniticellus fulvus</i> |
| 146 |                  |          | New Norfolk  | 30292  | 150   | <i>Onthophagus taurus</i>   |
| 147 |                  |          | Oatlands     | 30292  | 45000 | <i>Euoniticellus fulvus</i> |
| 147 |                  |          | Oatlands     | 30292  | 1350  | <i>Onthophagus taurus</i>   |
| 151 |                  |          | Oatlands     | 100292 | 60000 | <i>Euoniticellus fulvus</i> |
| 151 |                  |          | Oatlands     | 100292 | 1200  | <i>Onthophagus taurus</i>   |
| 106 | Cleveland        | 5km W    | Ouse         | 250291 | 3200  | <i>Onthophagus binodis</i>  |
| 106 | Cleveland        | 5km W    | Ouse         | 250291 | 20500 | <i>Euoniticellus fulvus</i> |
| 71  | L.Chopping       |          | Ouse         | 140191 | 5074  | <i>Onthophagus taurus</i>   |
| 71  | L.Chopping       |          | Ouse         | 140191 | 24000 | <i>Euoniticellus fulvus</i> |
| 71  | C.Johnston       |          | Ouse         | 140191 | 2537  | <i>Onthophagus taurus</i>   |
| 71  | C.Johnston       |          | Ouse         | 140191 | 12000 | <i>Euoniticellus fulvus</i> |
| 16  | South Riana      | South of | Penguin      | 160190 | 7800  | <i>Euoniticellus fulvus</i> |
| 16  | South Riana      | South of | Penguin      | 160190 | 2800  | <i>Onthophagus taurus</i>   |
| 64  | Naacoopa         |          | Pipers River | 20191  | 1332  | <i>Onitis pecuarius</i>     |
| 44  | W.Ratray         |          | Pyengana     | 120390 | 600   | <i>Geotrupes spiniger</i>   |
| 44  | B.Poortenaar     | East     | Ridgeley     | 120390 | 900   | <i>Geotrupes spiniger</i>   |
| 79  | B.Poortenaar     | East     | Ridgeley     | 220191 | 2800  | <i>Geotrupes spiniger</i>   |
| 67  | J.Carins         |          | Ringarooma   | 70191  | 10947 | <i>Euoniticellus fulvus</i> |
| 67  | J.Carins         |          | Ringarooma   | 70191  | 1000  | <i>Onthophagus taurus</i>   |
| 22  | J.Millhouse      |          | Sandfly      | 50290  | 4533  | <i>Onthophagus taurus</i>   |
| 22  | J.Millhouse      |          | Sandfly      | 50290  | 4567  | <i>Euoniticellus fulvus</i> |
| 170 | W.Stubbings      |          | Sandfly      | 181192 | 4394  | <i>Euoniticellus fulvus</i> |
| 170 | W.Stubbings      |          | Sandfly      | 181192 | 1774  | <i>Onthophagus taurus</i>   |
| 171 | Millhouse Bros   |          | Sandfly      | 231192 | 9974  | <i>Euoniticellus fulvus</i> |
| 171 | Millhouse Bros   |          | Sandfly      | 231192 | 1056  | <i>Onthophagus taurus</i>   |
| 77  | Lebrina          | 20km W   | Scottsdale   | 210191 | 1960  | <i>Geotrupes spiniger</i>   |
| 77  | Manuka Park      | 23km NW  | Scottsdale   | 210191 | 1960  | <i>Geotrupes spiniger</i>   |
| 77  | Springfield      | 10km W   | Scottsdale   | 210191 | 1960  | <i>Geotrupes spiniger</i>   |
| 77  | D.Rockcliff      | 15km E   | Scottsdale   | 210191 | 1960  | <i>Geotrupes spiniger</i>   |
| 77  | Pyengana         | 60km SE  | Scottsdale   | 210191 | 1960  | <i>Geotrupes spiniger</i>   |
| 192 |                  |          | Scottsdale   | 10293  | 1145  | <i>Onitis pecuarius</i>     |
|     | Bordesley        | 25km SE  | Scottsdale   | 270289 | 7000  | <i>Euoniticellus fulvus</i> |
|     | Bordesley        | 25km SE  | Scottsdale   | 270289 | 3000  | <i>Onthophagus taurus</i>   |
| 6   | School Farm      | 1km S    | Sheffield    | 51289  | 321   | <i>Onitis aygulus</i>       |
| 16  | School Farm      |          | Sheffield    | 160190 | 7800  | <i>Euoniticellus fulvus</i> |
| 16  | School Farm      |          | Sheffield    | 160190 | 2800  | <i>Onthophagus taurus</i>   |
| 62  | A.Ford, Paradise | 5km S    | Sheffield    | 171290 | 654   | <i>Onitis alexis</i>        |
| 62  | A.Ford, Paradise | 5km S    | Sheffield    | 171290 | 1569  | <i>Onitis pecuarius</i>     |
| 51  | Montagu          | 30km NW  | Smithton     | 30490  | 350   | <i>Geotrupes spiniger</i>   |
| 93  | A.Clingieffer    | 5km W    | Smithton     | 110291 | 2500  | <i>Euoniticellus fulvus</i> |
| 93  | A.Clingieffer    | 5km W    | Smithton     | 110291 | 2900  | <i>Onthophagus binodis</i>  |

|     |                    |        |             |        |       |                             |
|-----|--------------------|--------|-------------|--------|-------|-----------------------------|
| 39  | Home Vale Estate   |        | Springfield | 50390  | 1200  | <i>Geotrupes spiniger</i>   |
| 37  | Northern           |        | Tasmania    | 50390  | 1200  | <i>Geotrupes spiniger</i>   |
| 45  | Northern           |        | Tasmania    | 120390 | 1800  | <i>Geotrupes spiniger</i>   |
| 46  | Northern           |        | Tasmania    | 120390 | 1800  | <i>Geotrupes spiniger</i>   |
| 78  | Southern           |        | Tasmania    | 210191 | 2800  | <i>Geotrupes spiniger</i>   |
| 113 | G.R.Maywald        |        | Togari      | 120391 | 1400  | <i>Geotrupes spiniger</i>   |
| 118 | P.Brown            |        | Togari      | 190391 | 1260  | <i>Geotrupes spiniger</i>   |
| 9   | Dorndale Past.Co.  | 12km E | Tullendeena | 111289 | 605   | <i>Onitis pecuarius</i>     |
| 12  | Dorndale Past. Co. |        | Tullendeena | 201289 | 300   | <i>Onitis pecuarius</i>     |
| 28  | Willow Bend        |        | Tullendeena | 120290 | 780   | <i>Geotrupes spiniger</i>   |
| 28  | Dorndale Past. Co. |        | Tullendeena | 120290 | 220   | <i>Onitis pecuarius</i>     |
| 67  | Willow Bend        |        | Tullendeena | 70191  | 10947 | <i>Euoniticellus fulvus</i> |
| 67  | Willow Bend        |        | Tullendeena | 70191  | 1000  | <i>Onthophagus taurus</i>   |
| 187 |                    |        | Tullendeena | 180193 | 519   | <i>Onitis pecuarius</i>     |
|     | D.Rockcliffe       |        | Tullendeena | 250589 | 228   | <i>Geotrupes spiniger</i>   |
| 44  | Manuka Park        |        | Waterhouse  | 120390 | 600   | <i>Geotrupes spiniger</i>   |
| 64  | Berridale Farm     |        | Waterhouse  | 20191  | 1332  | <i>Onitis pecuarius</i>     |
| 67  | Marula Park        |        | Waterhouse  | 70191  | 406   | <i>Onitis pecuarius</i>     |
| 67  | Marula Park        |        | Waterhouse  | 70191  | 1084  | <i>Onitis alexis</i>        |
| 67  | Marula Park        |        | Waterhouse  | 70191  | 10947 | <i>Euoniticellus fulvus</i> |
| 67  | Marula Park        |        | Waterhouse  | 70191  | 1000  | <i>Onthophagus taurus</i>   |
| 79  | R.Mason            |        | West Pine   | 220191 | 3800  | <i>Geotrupes spiniger</i>   |
| 45  | B.Murray           |        | Westbury    | 120390 | 1800  | <i>Geotrupes spiniger</i>   |
| 38  | L.Plunket          | 2km S  | Westbury    | 50390  | 1300  | <i>Geotrupes spiniger</i>   |
| 171 | G.Rae              |        | Woodbridge  | 231192 | 9974  | <i>Euoniticellus fulvus</i> |
| 171 | G.Rae              |        | Woodbridge  | 231192 | 1056  | <i>Onthophagus taurus</i>   |
| 167 | I.Burbury          |        | Woodbury    | 261092 | 9784  | <i>Euoniticellus fulvus</i> |
| 167 | I.Burbury          |        | Woodbury    | 261092 | 3520  | <i>Onthophagus taurus</i>   |
| 115 | K.McArthur         | 7km S  | Wynyard     | 120391 | 1400  | <i>Geotrupes spiniger</i>   |
| 94  | Bass View          |        | Yolla       | 110291 | 1400  | <i>Geotrupes spiniger</i>   |

## The dung beetle crusade

In 1994–96, the CSIRO Double Helix Science Club organised an Australia-wide project on introduced dung beetles. The aim was to help with the redistribution of exotic beetles and to inform and educate the club members about Australia's dung beetle fauna, especially the exotic species. Nearly 700 people participated, collecting during the summer and autumn of 1994–95 whatever species they found in cow and horse manure in their districts. The beetles were sent to the Division of Entomology for identification, and the list of beetles with their localities, and the numbers in which they were found, is given opposite. This is by no means a complete record of current distributions, but it is the most up to date list and must be used in conjunction with other known distribution data.

### Legend to specific names

|                |                                  |
|----------------|----------------------------------|
| <i>O. alex</i> | <i>Onitis alexis</i>             |
| <i>O. pec</i>  | <i>Onitis pecuarius</i>          |
| <i>O. ayg</i>  | <i>Onitis aygulus</i>            |
| <i>O. vir</i>  | <i>Onitis viridulus</i>          |
| <i>O. caf</i>  | <i>Onitis caffer</i>             |
| <i>E. int</i>  | <i>Euoniticellus intermedius</i> |
| <i>E. af</i>   | <i>Euoniticellus africanus</i>   |
| <i>E. ful</i>  | <i>Euoniticellus fulvus</i>      |
| <i>E. pall</i> | <i>Euoniticellus pallipes</i>    |
| <i>L. mil</i>  | <i>Liatongus militaris</i>       |
| <i>O. tau.</i> | <i>Onthophagus taurus</i>        |
| <i>O. bin</i>  | <i>Onthophagus binodis</i>       |
| <i>O. gaz</i>  | <i>Onthophagus gazella</i>       |
| <i>O. nig</i>  | <i>Onthophagus nigriventris</i>  |
| <i>O. sag</i>  | <i>Onthophagus sagittarius</i>   |
| <i>S. sp</i>   | <i>Sisyphus spinipes</i>         |
| <i>G. spin</i> | <i>Geotrupes spiniger</i>        |
| <i>H. nom</i>  | <i>Hister nomas</i>              |



### Dung beetle crusade

| Locality            | State | Lat   | Long   | <i>O. alex</i> | <i>O. pec</i> | <i>O. ayg</i> | <i>O. vir</i> | <i>O. caf</i> | <i>E. int</i> | <i>E. cf</i> | <i>E. ful</i> | <i>E. pall</i> | <i>L. mil</i> | <i>O. tau</i> | <i>O. bin</i> | <i>O. gaz</i> | <i>O. nig</i> | <i>O. sag</i> | <i>S. sp</i> | <i>G. spin</i> | <i>H. nom</i> |    |
|---------------------|-------|-------|--------|----------------|---------------|---------------|---------------|---------------|---------------|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|----------------|---------------|----|
| Aberdeen            | NSW   | 32.10 | 150.53 | 63             |               |               |               |               | 13            |              |               |                |               |               | 8             | 27            |               |               |              |                | 11            |    |
| Aberdeen            | NSW   | 32.10 | 150.53 | 24             |               |               |               |               | 5             |              | 369           |                |               | 1             |               | 24            |               |               |              |                |               |    |
| Adamnaby            | NSW   | 36.00 | 148.47 |                |               |               |               |               | 198           |              |               |                | 42            |               | 8             |               |               |               |              |                |               | 43 |
| Agnes Water         | Qld   | 25.22 | 152.17 |                |               |               |               |               |               |              | 30            |                |               | 22            | 64            | 18            |               |               |              |                |               | 6  |
| Albany              | WA    | 35.00 | 117.52 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |    |
| Albion Park         | NSW   | 34.34 | 150.46 |                |               |               |               |               |               |              | 265           |                |               | 276           |               |               |               |               |              |                |               |    |
| Albion Park         | NSW   | 34.34 | 150.46 |                |               |               |               |               |               |              | 675           |                |               | 1             |               |               |               |               |              |                |               | 3  |
| Albury              | NSW   | 36.05 | 146.56 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |    |
| Allansford          | Vic   | 38.23 | 142.36 |                |               |               |               |               | 4             |              |               |                | 4             |               |               |               | 10            |               |              |                |               |    |
| Alstonville         | NSW   | 28.50 | 153.26 | 3              |               |               |               |               | 4             |              |               |                |               |               |               |               |               |               |              |                |               |    |
| Amamoor             | Qld   | 26.21 | 152.41 |                |               |               |               |               | 4             |              |               |                |               |               | 80            | 11            |               |               |              |                |               |    |
| Annandale           | Qld   | 21.56 | 148.17 |                |               |               |               |               |               |              | 10            |                |               |               |               |               |               |               |              |                |               |    |
| Aratuen Valley      | NSW   | 35.39 | 149.49 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |    |
| Aramac              | Qld   | 22.58 | 145.14 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |    |
| Ardlethan           | NSW   | 34.22 | 146.54 | 1              |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |    |
| Armidale            | NSW   | 30.31 | 151.40 | 30             |               |               |               |               | 24            |              |               |                |               |               |               |               |               |               |              |                |               |    |
| Armidale            | NSW   | 30.31 | 151.40 | 2              |               |               |               |               | 1             |              |               |                |               |               |               |               |               |               |              |                |               |    |
| Armidale            | NSW   | 30.31 | 151.40 | 3              |               |               |               |               | 8             |              |               |                |               |               |               |               |               |               |              |                |               | 3  |
| Attunga             | NSW   | 30.56 | 150.50 |                |               |               |               |               | 35            |              |               |                |               |               |               | 15            |               |               |              |                |               |    |
| Augathella          | Qld   | 25.48 | 146.35 |                |               |               |               |               | 1             |              |               |                |               |               |               | 15            |               |               |              |                |               |    |
| Avenel              | Vic   | 36.54 | 145.14 |                |               |               |               |               | 10            |              | 30+           |                |               |               |               |               |               |               |              |                |               |    |
| Avondale Res. Stat. | WA    | 24.44 | 152.09 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |    |
| Bakers Hill         | WA    | 31.44 | 116.29 | 1              |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |    |
| Balingup            | WA    | 33.47 | 115.59 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |    |
| Ballandean          | Qld   | 28.48 | 151.50 | 49             |               |               |               |               | 94            | 1            | 36            |                |               |               |               | 8             |               |               |              |                |               | 27 |
| Ballarat            | Vic   | 37.34 | 143.51 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |    |
| Baliang             | Vic   | 37.50 | 144.21 |                |               |               |               |               |               |              | 1             |                |               |               |               |               |               |               |              |                |               |    |
| Banana              | Qld   | 24.28 | 150.08 |                |               |               |               |               | 5             |              |               |                |               |               |               |               |               |               | 1            |                |               | 2  |
| Barcaldine          | Qld   | 23.33 | 145.17 |                |               |               |               |               | 1             |              |               |                |               |               |               |               |               |               |              |                |               |    |
| Barcaldine          | Qld   | 23.33 | 145.17 | 1              |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |    |
| Barcaldine          | Qld   | 23.33 | 145.17 | 1              |               |               |               |               | 250           |              |               |                | 30            |               |               | 300           |               |               |              |                |               | 3  |
| Bargara             | Qld   | 24.49 | 152.28 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |    |
| Barnoya, via        | Qld   | 23.09 | 150.33 |                |               |               |               |               | 14            |              |               |                | 7             |               |               | 13            |               | 1             | 174          |                |               |    |
| Rockhampton         | Qld   | 23.09 | 150.33 |                |               |               |               |               |               |              |               |                |               | 5             |               |               |               |               |              |                |               |    |
| Barnawartha         | Vic   | 36.06 | 146.41 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |    |
| Barraba             | NSW   | 30.23 | 150.37 | 2              |               |               |               |               | 32            |              |               | 4              |               |               |               |               |               |               |              |                |               |    |
| Bathurst            | NSW   | 33.25 | 149.35 |                |               |               |               |               |               |              | lots          |                |               |               |               |               |               |               |              |                |               |    |
| Bathurst            | NSW   | 33.25 | 149.35 |                |               |               |               |               |               |              | 100           |                |               |               | 1             |               |               |               |              |                |               |    |
| Bathurst            | NSW   | 33.25 | 149.35 |                |               |               |               |               |               |              | 62            |                |               |               | 1             |               |               |               |              |                |               |    |
| Bathurst            | NSW   | 33.25 | 149.35 | 1              |               |               |               |               |               |              | 3             |                |               |               | 1             |               |               |               |              |                |               |    |
| Bathurst            | NSW   | 33.25 | 149.35 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |    |
| Bathurst            | NSW   | 33.25 | 149.35 | 3              |               |               |               |               |               |              |               |                |               |               | 10            |               |               |               |              |                |               |    |
| Bathurst            | NSW   | 33.25 | 149.35 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |    |

| Locality           | State | Lat   | Long   | <i>O. alex</i> | <i>O. pec</i> | <i>O. ayg</i> | <i>O. vir</i> | <i>O. caf</i> | <i>E. int</i> | <i>E. af</i> | <i>E. ful</i> | <i>E. pall</i> | <i>L. mil</i> | <i>O. tau</i> | <i>O. bin</i> | <i>O. gaz</i> | <i>O. nig</i> | <i>O. sag</i> | <i>S. sp</i> | <i>G. spin</i> | <i>H. nom</i> |
|--------------------|-------|-------|--------|----------------|---------------|---------------|---------------|---------------|---------------|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|----------------|---------------|
| Bathurst           | NSW   | 33.25 | 149.35 | None           |               |               |               |               | 288           |              |               |                |               |               |               |               |               |               |              |                |               |
| Bathurst           | NSW   | 33.25 | 149.35 |                |               |               |               | 35            | 600           |              |               |                |               |               |               |               |               |               |              |                |               |
| Beaudesert         | Qld   | 27.59 | 153.00 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Beaumont,          |       |       |        |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Kangaroo Valley    | NSW   | 34.47 | 150.34 |                | 2             |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                | 9             |
| Beecroft, Sydney   | NSW   | 35.00 | 150.51 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Beenleigh,         | Qld   | 27.43 | 153.12 | 1              | 1             |               |               |               | 80            |              |               |                | 20            | 8             |               | 6             |               | 47            | 2            |                | 9             |
| Belair             | SA    | 35.02 | 138.36 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Belgrave Sth       | Vic   | 37.55 | 145.21 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Belgrave Sth       | Vic   | 37.55 | 145.21 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Bellata            | NSW   | 29.55 | 149.47 | 4              |               |               |               |               | 25            |              | 10            |                |               |               |               | 144           |               |               |              |                |               |
| Belmont            | Vic   | 38.11 | 144.20 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Ben Lomond         | NSW   | 30.01 | 151.40 |                |               |               |               |               |               |              |               | 6              |               | 10            |               |               |               |               |              |                |               |
| Berowra Heights    | NSW   | 33.38 | 151.09 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Berowra Heights    | NSW   | 33.38 | 151.09 |                |               |               |               |               |               |              |               |                |               |               | 1             |               |               |               |              |                |               |
| Berry              | NSW   | 34.47 | 150.42 |                | 10            |               |               |               |               |              |               |                |               |               | 7             |               |               |               |              |                | 6             |
| Berry              | NSW   | 34.47 | 150.42 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Beveridge          | Vic   | 34.47 | 150.42 |                |               |               |               |               |               | 67           |               |                |               |               |               |               |               |               |              |                |               |
| Beveridge          | Vic   | 37.28 | 144.59 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Bigga              | NSW   | 34.05 | 149.09 | 1              |               |               |               |               |               | 7            |               |                |               | 2             |               |               |               |               |              |                |               |
| Biggara *          | Vic   | 36.17 | 148.02 |                |               |               |               |               |               | 100          |               |                |               |               |               |               |               |               |              |                |               |
| Biggenden          | Qld   | 25.31 | 152.03 | 10             |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Biloela            | Qld   | 24.24 | 150.31 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               | 10           |                |               |
| Biloela            | Qld   | 24.24 | 150.31 | 23             | 1             |               |               |               | 42            |              |               |                | 10            |               |               |               |               |               |              |                |               |
| Biloela            | Qld   | 24.24 | 150.31 |                |               |               |               |               | 7             |              |               |                | 7             |               |               |               |               |               | 30           |                |               |
| Biloela            | Qld   | 24.24 | 150.31 |                |               |               |               |               | 300           |              |               |                | 2             |               |               |               |               |               | 50           |                |               |
| Bingara            | NSW   | 29.52 | 150.34 |                |               |               |               |               | 4             |              |               |                |               |               |               |               |               |               | 300          |                |               |
| Black River        | Qld   | 19.13 | 146.38 |                |               |               |               |               | 11            |              |               |                |               |               |               |               |               |               | 2            |                |               |
| Black Rock         | Vic   | 37.59 | 145.02 |                |               |               |               |               |               |              | 1             |                |               |               |               |               |               |               |              |                |               |
| Blewitt Springs    | SA    | 35.10 | 138.34 |                |               |               |               |               |               | 10           |               |                |               |               |               |               |               |               |              |                |               |
| Boggabri           | NSW   | 30.42 | 150.03 |                |               |               |               |               | 3             |              |               |                |               |               |               |               |               |               |              |                |               |
| Boggabri           | NSW   | 30.42 | 150.03 | 2              |               |               |               |               |               |              | 5             |                |               |               |               |               |               |               |              |                |               |
| Bogong High Plains | Vic   | 36.55 | 147.13 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Bonogin Valley     | Qld   | 28.09 | 153.20 |                |               |               |               |               | 1             |              |               |                |               |               |               |               |               |               |              |                |               |
| Bonville           | NSW   | 30.23 | 153.02 |                |               |               | 12            |               | 11            |              |               |                |               |               |               |               |               |               |              |                |               |
| Boorowa            | NSW   | 34.27 | 148.44 | 7              |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Bordertown         | SA    | 36.18 | 140.46 | 1              |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Bossley Park       | NSW   | 33.52 | 150.53 | 27             |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Bowraville         | NSW   | 30.39 | 152.51 | 3              |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Braidwood          | NSW   | 35.27 | 149.48 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Breadalbane        | NSW   | 34.48 | 149.30 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              | 2              |               |
| Bremer Bay         | WA    | 34.23 | 119.23 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Broke              | NSW   | 32.45 | 151.06 | 10             |               |               |               |               | 6             |              |               |                |               |               |               |               |               |               |              |                | 5             |
| Brookton           | WA    | 32.22 | 117.00 | 16             |               | 17            |               |               |               | 7            |               |                |               |               |               |               |               |               |              |                |               |

|                    |     |        |       |        |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|--------------------|-----|--------|-------|--------|------|----|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Buaraba            | Qld | 152.19 | 27.22 | 152.19 | 6    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Buchan             | Vic | 148.11 | 37.30 | 148.11 | None |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bullsbrook         | WA  | 115.59 | 31.40 | 115.59 | 1    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bullsbrook         | WA  | 115.59 | 31.40 | 115.59 | 5    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bundaberg          | Qld | 152.21 | 24.52 | 152.21 | 1    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bundaberg          | Qld | 152.21 | 24.52 | 152.21 | 12   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bundaberg          | Qld | 152.21 | 24.52 | 152.21 | 1    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bundanoon          | NSW | 150.18 | 34.39 | 150.18 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bungendore         | NSW | 149.27 | 35.15 | 149.27 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bungonia           | NSW | 149.57 | 34.52 | 149.57 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bungonia           | NSW | 149.57 | 34.52 | 149.57 | 10   |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Burgooney          | NSW | 146.34 | 33.23 | 146.34 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Burligh Heads      | Qld | 153.27 | 29.05 | 153.27 |      | 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Burnie             | Tas | 145.54 | 41.04 | 145.54 |      | 2  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Burnie             | Tas | 145.54 | 41.04 | 145.54 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Busselton          | WA  | 115.20 | 33.39 | 115.20 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Caboollure         | Qld | 152.57 | 27.05 | 152.57 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Camberwell*        | Vic | 145.04 | 37.50 | 145.04 | 5    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Camberwarra        | NSW | 150.34 | 34.49 | 150.34 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cambooya           | Qld | 151.52 | 27.43 | 151.52 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Camp Hill          | Qld | 148.07 | 21.39 | 148.07 | 1    |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canberra           | ACT | 149.13 | 35.17 | 149.13 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canberra           | ACT | 149.13 | 35.17 | 149.13 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canberra           | ACT | 149.13 | 35.17 | 149.13 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canberra           | ACT | 149.13 | 35.17 | 149.13 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canberra           | ACT | 149.13 | 35.17 | 149.13 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canberra           | ACT | 149.13 | 35.17 | 149.13 | None |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canberra           | ACT | 149.13 | 35.17 | 149.13 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canberra           | ACT | 149.13 | 35.17 | 149.13 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canberra           | ACT | 149.13 | 35.17 | 149.13 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canberra           | ACT | 149.13 | 35.17 | 149.13 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canberra           | ACT | 149.13 | 35.17 | 149.13 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canberra           | ACT | 149.13 | 35.17 | 149.13 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canberra           | ACT | 149.13 | 35.17 | 149.13 | None |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canberra           | ACT | 149.13 | 35.17 | 149.13 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canberra           | ACT | 149.13 | 35.17 | 149.13 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canberra           | ACT | 149.13 | 35.17 | 149.13 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canberra           | ACT | 149.13 | 35.17 | 149.13 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canberra           | ACT | 149.13 | 35.17 | 149.13 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canberra           | ACT | 149.13 | 35.17 | 149.13 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canberra           | ACT | 149.13 | 35.17 | 149.13 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canberra           | ACT | 149.13 | 35.17 | 149.13 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canberra           | ACT | 149.13 | 35.17 | 149.13 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canberra           | ACT | 149.13 | 35.17 | 149.13 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canberra           | ACT | 149.13 | 35.17 | 149.13 | None |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Canberra, Red Hill | ACT | 149.08 | 35.20 | 149.08 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Capel              | WA  | 115.33 | 33.33 | 115.33 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Captains Flat      | NSW | 149.27 | 35.35 | 149.27 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cardross           | Vic | 142.08 | 34.18 | 142.08 |      |    |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

| Locality        | State | Lat   | Long   | <i>O. alex</i> | <i>O. pec</i> | <i>O. ayg</i> | <i>O. vir</i> | <i>O. caf</i> | <i>E. int</i> | <i>E. af</i> | <i>E. ful</i> | <i>E. pall</i> | <i>L. mil</i> | <i>O. tau</i> | <i>O. bin</i> | <i>O. gaz</i> | <i>O. nig</i> | <i>O. sag</i> | <i>S. sp</i> | <i>G. spin</i> | <i>H. nom</i> |
|-----------------|-------|-------|--------|----------------|---------------|---------------|---------------|---------------|---------------|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|----------------|---------------|
| Cargo           | NSW   | 33.25 | 148.49 | 5              |               |               |               |               |               | 30           | 430           | 1              |               | 360           |               | 1             |               |               |              |                |               |
| Carina          | Qld   | 27.30 | 153.06 | None           |               |               |               |               | 138           |              |               |                |               |               |               | 13            |               |               | 1            |                | 10            |
| Casino          | NSW   | 28.52 | 153.03 | 10             |               |               | 5             |               | 2             |              |               |                |               |               |               | 10            |               |               |              |                |               |
| Casino          | Qld   | 28.52 | 153.03 | 7              |               |               | 10            |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Catterick       | WA    | 33.52 | 116.07 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Cecil Hill      | NSW   | 33.53 | 150.51 | 1              |               |               |               |               | 3             | 5            |               |                |               |               | 3             | 2             |               |               | 9            |                | 2             |
| Cecil Plains    | Qld   | 27.32 | 151.12 |                |               |               |               |               | 29            |              |               |                |               | 6             |               | 30            |               |               |              |                |               |
| Charleville     | Qld   | 26.24 | 146.15 | 1              |               |               |               |               | 2             |              |               |                | 70            |               | 70            |               |               |               |              |                |               |
| Charters Towers | Qld   | 20.05 | 146.16 |                |               |               |               |               | 4+            |              |               |                |               |               |               | 11+           |               |               |              |                |               |
| Chinchilla      | Qld   | 26.44 | 150.38 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Chimside Park   | Vic   | 37.45 | 145.19 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Churchill       | Vic   | 38.19 | 146.25 | None           |               |               |               |               |               |              |               |                |               | 17            |               |               |               |               |              |                |               |
| Clare           | SA    | 33.50 | 138.37 |                |               |               |               |               |               | 6            |               |                |               |               |               |               |               |               |              |                |               |
| Clermont        | Qld   | 22.50 | 147.38 |                |               |               |               |               |               |              |               |                |               |               |               | 100           |               |               |              |                |               |
| Clybucca        | NSW   | 30.57 | 152.58 | 19             | 1             |               |               |               | 3             | 2            |               |                |               |               |               |               |               |               |              |                | 9             |
| Cobrico         | Vic   | 38.18 | 143.01 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                | 5             |
| Coffs Harbour   | NSW   | 30.18 | 153.08 | 2              |               |               | 1             |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Colac           | Vic   | 38.21 | 143.35 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Colbinabbin     | Vic   | 36.35 | 144.48 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Coldstream      | Vic   | 37.43 | 145.22 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Collie          | NSW   | 31.40 | 148.18 |                |               |               |               |               | 6             |              |               |                |               |               |               |               |               |               |              |                |               |
| Collie          | WA    | 33.22 | 116.09 |                |               |               |               |               |               | 453          |               |                |               | 389           |               |               |               |               |              |                |               |
| Condoblin       | NSW   | 33.05 | 147.09 |                |               |               |               |               | 25            |              |               |                |               |               |               | 20            |               |               |              |                |               |
| Condoblin       | NSW   | 33.05 | 147.09 | None           |               |               |               |               | 2             |              |               |                |               |               |               |               |               |               |              |                |               |
| Cooladdi        | Qld   | 26.32 | 145.29 |                |               |               |               |               |               |              |               |                |               |               |               | 40            |               |               |              |                |               |
| Coolah          | NSW   | 31.50 | 149.43 | 5+             |               |               |               |               |               |              |               |                |               |               | 8+            |               |               |               |              |                |               |
| Cooma North     | NSW   | 36.14 | 149.08 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Coonabarabran   | NSW   | 31.16 | 149.17 | 79             |               |               |               |               | 1             | 10           | 9             |                |               |               |               | 5             |               |               |              |                |               |
| Coonabarabran   | NSW   | 31.16 | 149.17 | 5              |               |               |               |               | 9             | 1            |               |                |               |               |               | 15            |               |               |              |                | 1             |
| Coonalpyn       | SA    | 35.42 | 139.51 | 20             |               |               |               |               |               |              | 25            | 26             |               |               |               |               |               |               |              |                |               |
| Cooralbell      | NSW   | 28.37 | 153.28 |                |               |               |               |               |               |              |               |                |               | 371           |               |               |               |               |              |                |               |
| Cooralbell*     | NSW   | 28.37 | 153.28 |                | 4             |               | 2?            |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Cooroy          | Qld   | 26.25 | 152.55 |                |               |               |               |               | 1             |              |               |                |               |               |               |               |               |               |              |                |               |
| Copmanhurst     | NSW   | 29.35 | 152.46 | 1              |               |               |               |               | 73            |              |               |                |               |               |               |               |               |               |              |                |               |
| Coragulac       | Vic   | 38.16 | 143.31 |                |               |               |               |               |               |              | 155           |                | 16            |               |               |               |               |               | 18           |                |               |
| Coragulac       | Vic   | 38.16 | 143.31 |                |               |               |               |               |               |              | 127           |                |               |               |               |               |               |               |              |                |               |
| Coragulac       | Vic   | 38.16 | 143.31 |                |               |               |               |               |               |              | 31            |                |               |               |               |               |               |               |              |                |               |
| Coragulac       | Vic   | 38.16 | 143.31 |                |               |               |               |               |               |              | 233           |                |               |               |               |               |               |               |              |                |               |
| Coragulac       | Vic   | 38.16 | 143.31 |                |               |               |               |               |               |              | 115           |                |               |               |               |               |               |               |              |                |               |
| Coragulac       | Vic   | 38.16 | 143.31 |                |               |               |               |               |               |              | 327           |                |               |               |               |               |               |               |              |                |               |
| Coragulac       | Vic   | 38.16 | 143.31 |                |               |               |               |               |               |              | 373           |                |               |               |               |               |               |               |              |                |               |
| Coragulac       | Vic   | 38.16 | 143.31 |                |               |               |               |               |               |              | 130           |                |               |               |               |               |               |               |              |                |               |
| Corral          | NSW   | 34.23 | 150.55 |                |               |               |               |               |               |              |               |                |               |               | 14            |               |               |               |              |                | 17            |
| Corryong        | Vic   | 36.12 | 147.54 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |



| Locality             | State      | Lat   | Long   | O. alex | O. pec | O. ayg | O. vir | O. caf | E. int | E. af | E. ful | E. pall | L. mil | O. tau | O. bin | O. gaz | O. nig | O. sag | S. sp | G. spin | H. nom |
|----------------------|------------|-------|--------|---------|--------|--------|--------|--------|--------|-------|--------|---------|--------|--------|--------|--------|--------|--------|-------|---------|--------|
| Esperance            | WA         | 33.52 | 121.54 |         |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Federal              | NSW        | 28.39 | 153.27 | None    |        |        |        |        |        |       |        | 5       |        |        | 124    |        |        |        |       |         | 14     |
| Fentree              | Tas        | 42.55 | 147.16 | None    |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Foster               | Vic        | 38.40 | 146.13 | None    |        |        |        |        |        |       |        |         |        |        |        |        |        |        | 6     |         |        |
| Gargett              | Qld        | 21.10 | 148.45 |         |        |        |        |        | 300    |       |        |         | 10     |        |        | 70     |        |        |       |         |        |
| Gatton               | Qld        | 27.34 | 152.17 | 23      |        |        |        |        | 67     |       |        |         | 1      |        |        |        |        |        |       |         |        |
| Gatton               | Qld        | 27.34 | 152.17 |         |        |        |        |        | 78     |       |        |         | 39     |        |        |        |        |        | 18    |         |        |
| Gayndah              | Qld        | 25.37 | 151.37 |         |        |        |        |        |        |       |        |         |        | 34     |        |        |        |        |       |         |        |
| Gerogery             | NSW        | 35.50 | 147.00 |         |        |        |        |        |        |       | 31     |         |        |        |        |        |        |        |       |         |        |
| Gerringsong          | Berry area | NSW   | 23.34  | 150.50  | 1      |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         | 8      |
| Gilgandra            | NSW        | 31.43 | 148.39 | 20      |        |        |        |        | 39     | 4     |        |         |        |        | 13     | 1      |        |        |       |         |        |
| Gilgandra            | NSW        | 31.43 | 148.39 |         |        |        |        |        | 10     | 10    |        |         |        |        | 41     |        |        |        |       |         |        |
| Gin Gin              | Qld        | 25.00 | 151.57 | 2       |        |        |        |        | 130    |       |        |         | 1      |        | 24     |        |        |        |       |         |        |
| Gin Gin              | Qld        | 25.00 | 151.57 |         |        |        |        |        | 52     |       |        |         |        |        | 2      |        |        |        | 6     |         |        |
| Gipps Creek,         |            |       |        |         |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Rossarden            | Tas        | 41.41 | 147.39 |         |        |        |        |        |        |       | 492    |         |        |        |        |        |        |        |       |         |        |
| Gisborne             | Vic        | 37.30 | 144.35 |         |        |        |        |        |        |       | 2      | 1       |        |        | 1      |        |        |        |       |         |        |
| Glen Innes           | NSW        | 29.44 | 151.44 | 50      |        |        |        |        | 50     |       |        |         |        |        |        |        |        |        |       |         | 2      |
| Glen Innes           | NSW        | 29.44 | 151.44 | 1       |        |        |        |        | 2      |       |        |         |        |        |        |        |        |        |       |         | 1      |
| Glen Innes           | NSW        | 29.44 | 151.44 |         |        |        |        |        | 5      |       |        |         |        |        |        | 2      |        |        | 10    |         |        |
| Glenalta             | SA         | 35.02 | 138.36 |         |        |        |        |        |        |       | 100    |         |        |        |        |        |        |        |       |         |        |
| Glencoe              | SA         | 37.41 | 140.37 |         |        |        |        |        |        |       |        |         |        | 100    |        |        |        |        |       |         |        |
| Glencorie            | NSW        | 33.36 | 151.01 |         | 10     |        |        |        |        |       |        |         |        | 1      |        |        |        |        |       |         |        |
| Glencorie            | NSW        | 33.36 | 151.01 |         |        |        |        |        |        |       |        |         |        | 1      |        | 3      |        |        |       |         |        |
| Glencorie            | NSW        | 33.36 | 151.01 |         |        |        |        |        |        |       |        |         |        | 1      |        | 1      |        |        |       |         |        |
| Glenreagh            | NSW        | 30.03 | 152.59 | 2       |        |        | 8 or   |        | 189    |       |        |         | 154    |        |        | 4      |        |        | 31    |         |        |
| Glenthompson         | Vic        | 37.38 | 142.33 |         |        |        |        |        |        |       | 200    |         |        |        |        |        |        |        |       |         |        |
| Glenthompson         | Vic        | 37.38 | 142.33 |         |        |        |        |        |        |       | 22     |         |        |        |        |        |        |        |       |         |        |
| Gloucester           | NSW        | 32.01 | 151.58 | 1       |        |        |        |        | 20     | 20    |        |         |        |        |        | 6      |        |        |       |         | 7      |
| Gloucester           | NSW        | 32.01 | 151.58 |         |        |        |        |        | 1      |       |        |         |        |        |        | 10     |        |        |       |         |        |
| Gloucester River via |            |       |        |         |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Berrico              | NSW        | 32.03 | 151.50 |         |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Gnarwarre            | Vic        | 38.10 | 144.11 |         |        |        |        |        |        |       | 7      |         |        |        |        | 10     |        |        |       |         |        |
| Golconda             | Tas        | 41.10 | 147.18 | None    |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Goolmangar           | NSW        | 28.43 | 153.14 |         | 8      |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Goolmangar           | NSW        | 28.43 | 153.14 |         |        |        |        |        | 3      |       |        |         |        |        |        |        |        |        |       |         | 7      |
| Goolmangar           | NSW        | 28.43 | 153.14 |         |        |        |        |        | 43     |       |        |         |        |        |        |        |        |        |       |         | 7      |
| Goomboorian          | Qld        | 26.05 | 152.48 |         |        |        |        |        | 1      |       |        |         |        |        |        |        |        |        |       |         | 2      |
| Goomboorian          | Qld        | 26.05 | 152.48 |         |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Goomdiwindi          | Qld        | 28.33 | 150.18 |         |        |        |        |        | 1613   |       |        |         | 2      |        |        |        |        |        | 33    |         |        |
| Gordon               | NSW        | 28.54 | 149.34 | None    |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Gordonvale           | Qld        | 17.06 | 145.47 | None    |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Gowrie               | NSW        | 34.08 | 149.50 |         |        |        |        |        |        |       | 21     |         |        |        |        |        |        |        |       |         |        |
| Grafton              | NSW        | 29.41 | 152.56 |         |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Grafton              | NSW        | 29.41 | 152.56 |         |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Gravesend            | NSW        | 29.35 | 150.20 | None    |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Greenmount           | Qld        | 27.47 | 151.57 |         |        |        |        |        | 3      |       |        |         |        |        |        |        |        |        |       |         | 1      |



| Locality        | State | Lat   | Long   | <i>O. alex</i> | <i>O. pec</i> | <i>O. ayg</i> | <i>O. vir</i> | <i>O. caf</i> | <i>E. int</i> | <i>E. af</i> | <i>E. ful</i> | <i>E. pall</i> | <i>L. mil</i> | <i>O. tau</i> | <i>O. bin</i> | <i>O. gaz</i> | <i>O. nig</i> | <i>O. sag</i> | <i>S. sp</i> | <i>G. spin</i> | <i>H. nom</i> |
|-----------------|-------|-------|--------|----------------|---------------|---------------|---------------|---------------|---------------|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|----------------|---------------|
| Illawarra       | NSW   | 35.24 | 146.50 |                |               |               |               |               |               |              |               |                |               |               |               | 3             |               |               |              |                | 1             |
| Escarpment      | Vic   | 36.05 | 146.35 |                |               |               |               |               |               |              | 40            |                |               | 190           | 70            |               |               |               |              |                |               |
| Indigo          | Qld   | 17.32 | 146.01 |                |               |               |               |               |               |              |               |                |               |               |               | 3             |               | 1             |              |                |               |
| Innisfail       | NSW   | 29.46 | 151.07 |                |               |               |               |               | 10            |              |               |                |               |               |               |               |               |               |              |                |               |
| Inverell        | NSW   | 29.46 | 151.07 | 21             |               |               |               |               | 7             |              |               |                |               |               |               |               |               |               |              |                | 1             |
| Inverell        | NSW   | 29.46 | 151.07 |                |               |               |               |               | 16            |              |               |                |               |               |               | 36            |               |               |              |                | 6             |
| Inverell        | NSW   | 29.46 | 151.07 |                |               |               |               |               | 14            | 4            |               |                |               |               |               |               |               |               |              |                |               |
| Inverloch       | Vic   | 38.38 | 145.44 |                |               |               |               |               |               |              |               |                |               | 430           |               |               |               |               |              |                |               |
| Ipswich         | Qld   | 27.37 | 152.47 |                | 7             |               |               |               |               |              |               |                |               |               |               | 13            |               |               | 4            |                |               |
| Ipswich East    | Qld   | 27.37 | 152.43 | 2              | 7             |               |               |               | 15            |              | 54            |                | 35            |               | 3             | 26            |               |               | 1            |                |               |
| Irrewillipe     | Vic   | 38.25 | 143.25 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Jackadgery      | NSW   | 29.34 | 152.32 | 3              | 2             |               |               |               | 9             |              |               |                | 1             |               | 3             | 7             |               |               |              |                |               |
| Jetsonville     | Tas   | 41.08 | 147.29 |                |               |               |               |               |               |              | 10            |                |               |               | 3             |               |               |               |              |                |               |
| Juneec          | NSW   | 34.52 | 147.35 | 5              |               |               |               |               |               |              | 50            |                |               | 2             |               |               |               |               |              |                |               |
| Kadina          | SA    | 33.58 | 137.43 |                |               |               |               |               |               |              | 11            |                |               | 1             |               |               |               |               |              |                |               |
| Kallangur       | Qld   | 27.15 | 152.59 |                |               |               | 2             |               | 2             |              |               |                | 5             |               |               | 5             |               |               |              |                |               |
| Kangaroo ground | Vic   | 37.41 | 145.13 |                |               |               |               |               |               |              | 1             |                |               |               |               |               |               |               |              |                |               |
| Kangaroo Valley | NSW   | 34.44 | 150.32 |                | 6             |               |               |               |               |              |               |                |               |               | 8             |               |               |               |              |                | 31            |
| Karara          | Qld   | 28.06 | 151.27 |                |               |               |               |               | 60            | 1            |               |                |               |               |               |               |               |               | 1            |                |               |
| Karoola         | Tas   | 41.15 | 147.09 |                |               |               |               |               |               |              | 71            |                |               |               |               |               |               |               |              |                |               |
| Katherine       | NT    | 14.28 | 132.16 |                |               |               |               |               | 20            |              |               |                |               |               |               |               |               |               |              |                |               |
| Katherine       | NT    | 14.28 | 132.16 |                |               |               | 5             |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Katunga         | Vic   | 36.00 | 145.28 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Katunga         | Vic   | 36.00 | 145.28 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Keeth           | SA    | 36.06 | 140.21 |                |               |               |               |               |               |              | 120           |                |               | 14            |               |               |               |               |              |                |               |
| Kenthurst       | NSW   | 33.40 | 151.02 | 7              |               |               |               |               |               |              |               |                |               | 2             |               |               |               |               |              |                |               |
| Kettering       | Tas   | 43.08 | 147.15 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Kewarra Beach   | Qld   | 24.29 | 142.09 |                | 17            |               |               |               |               |              |               |                |               |               |               | 1             |               |               |              |                |               |
| Kilaben Bay     | NSW   | 33.01 | 151.35 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Kingaroy        | Qld   | 26.32 | 151.50 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Kinglake        | Vic   | 37.32 | 145.20 |                |               |               |               |               |               |              |               |                |               |               |               | 5             |               |               |              |                |               |
| Kingston        | Vic   | 37.23 | 143.58 |                |               |               |               |               |               |              | 13            |                |               |               |               |               |               |               |              |                |               |
| Kowanyama       | Qld   | 15.28 | 141.45 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Koyuga          | Vic   | 36.13 | 144.53 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Kyneton         | Vic   | 37.15 | 144.27 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Laguna          | NSW   | 33.00 | 151.08 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Lake Cargelligo | NSW   | 33.18 | 146.22 | 60             |               |               |               |               | 40            |              |               |                |               |               | 90            | 30            |               |               |              |                |               |
| Lake Charm      | Vic   | 35.37 | 143.48 |                | 1             |               |               |               |               |              |               |                |               |               |               | 1             |               |               |              |                |               |
| Lancefield      | Vic   | 37.17 | 144.44 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Lang Lang       | Vic   | 38.16 | 145.34 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Lara            | Vic   | 38.01 | 144.25 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Launceston      | Tas   | 41.27 | 147.10 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Lawrence        | NSW   | 29.30 | 153.06 |                |               |               |               |               | 30            |              |               |                |               |               |               | 6             |               |               | 3            |                |               |
| Leabrook        | SA    | 34.56 | 138.36 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Leabrook        | SA    | 34.56 | 138.36 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |





| Locality           | State | Lat   | Long   | <i>O. alex</i> | <i>O. pec</i> | <i>O. ayg</i> | <i>O. vir</i> | <i>O. caf</i> | <i>E. int</i> | <i>E. af</i> | <i>E. ful</i> | <i>E. pall</i> | <i>L. mil</i> | <i>O. tau</i> | <i>O. bin</i> | <i>O. gaz</i> | <i>O. nig</i> | <i>O. sag</i> | <i>S. sp</i> | <i>G. spin</i> | <i>H. nom</i> |
|--------------------|-------|-------|--------|----------------|---------------|---------------|---------------|---------------|---------------|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|----------------|---------------|
| Modanville         | NSW   | 28.44 | 153.18 |                |               |               |               |               | 1             |              |               |                |               | 110           |               | 1             | 38            |               |              |                | 2             |
| Mogumber           | WA    | 31.02 | 116.02 | 8              |               |               |               |               |               |              |               | 48             |               | 1             |               |               |               |               |              |                |               |
| Mogumber           | WA    | 31.02 | 116.02 |                |               |               |               |               |               |              |               | 4              |               |               |               |               |               |               |              |                | 30            |
| Mollymook          | NSW   | 35.20 | 150.29 | 6              | 9             |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Molong             | NSW   | 33.06 | 148.52 | None           | 1             |               |               |               |               |              | 20            |                |               |               |               |               |               |               |              |                |               |
| Mornington         | Vic   | 38.14 | 145.02 | 6              |               |               |               |               | 1             |              |               |                |               |               |               |               |               |               |              |                |               |
| Mortons Ck         | NSW   | 31.24 | 152.39 | None           |               |               |               |               |               |              |               |                |               |               |               | 7             |               |               |              |                |               |
| Morwell            | Vic   | 38.14 | 146.24 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Mossman            | Qld   | 16.28 | 145.23 | 1              |               |               |               |               | 9             |              |               |                |               |               |               |               |               |               |              |                |               |
| Mt Coolon          | Qld   | 21.23 | 147.20 | 2              |               |               |               |               | 1             |              |               |                |               |               |               |               |               |               |              |                | 1             |
| Mt Isa             | Qld   | 20.44 | 139.29 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Mt Isa             | Qld   | 20.44 | 139.29 |                |               |               |               |               |               |              |               |                |               | 75            |               |               |               |               |              |                |               |
| Mt Lawley          | WA    | 31.56 | 115.52 | 1              |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Mt Macedon         | Vic   | 37.23 | 144.35 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Mt Martha          | Vic   | 38.18 | 145.00 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Mt Russell,        |       |       |        |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| via Inverell       | NSW   | 29.41 | 150.56 |                |               |               |               |               | 8             | 14           |               |                |               |               |               |               |               |               |              |                | 3             |
| Mt Samson          | Qld   | 27.18 | 152.51 |                |               |               |               | 40            |               |              |               |                | 1             |               |               |               | 8             |               |              |                | 2             |
| Mt Vernon          | NSW   | 33.51 | 150.48 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Mudjee             | NSW   | 32.36 | 149.35 | 15             |               |               |               |               | 31            |              | 140           |                |               |               |               |               |               |               |              |                |               |
| Mudjee             | NSW   | 32.36 | 149.35 | 20             |               |               |               |               | 63            |              | 150           |                |               | 3             | 1?            |               |               |               |              |                | 2             |
| Mullaley           | NSW   | 31.06 | 149.55 |                |               |               |               | 400           | 400           |              |               |                |               |               |               |               |               |               |              |                |               |
| Mullaley           | NSW   | 31.06 | 149.55 |                |               |               |               | 4             |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Murchison          | Vic   | 36.37 | 145.13 |                |               |               |               |               |               |              | 18            |                |               |               |               |               |               |               |              |                |               |
| Murgon             | Qld   | 26.15 | 151.57 | 14             |               |               |               | 98            |               |              |               |                |               |               |               |               |               |               |              |                | 1             |
| Murwillumbah       | NSW   | 28.20 | 153.24 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               | 20           |                |               |
| Murwillumbah       | NSW   | 28.20 | 153.24 |                |               |               |               | 5             |               |              |               |                |               |               |               |               |               |               |              |                | 2             |
| Myrthee            | Vic   | 36.44 | 146.19 |                |               |               |               |               |               |              |               |                |               | 6             |               |               |               |               |              |                |               |
| Myrtle Bank        | SA    | 34.56 | 138.36 |                |               |               |               |               |               |              | 100           | 2              |               | 64            |               |               |               |               |              |                |               |
| Myrtleford         | Vic   | 36.34 | 146.44 |                |               |               |               |               |               |              | 8             |                |               | 190           |               |               |               |               |              |                |               |
| Nambour            | Qld   | 26.38 | 152.58 |                |               |               |               |               |               |              | 260           |                |               |               |               |               |               |               |              |                |               |
| Nambour            | Qld   | 26.38 | 152.58 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Nanango            | Qld   | 26.40 | 152.00 | 5              |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Nanango            | Qld   | 26.40 | 152.00 | 3              |               |               |               |               | 20            |              |               |                |               |               |               |               |               |               |              |                |               |
| Nanango            | Qld   | 26.40 | 152.00 |                |               |               |               |               | 7             |              |               |                |               |               |               |               |               |               | 0.1          |                |               |
| Naracoorte         | SA    | 36.58 | 140.45 |                |               |               |               |               | 164           |              |               |                |               |               |               |               |               |               |              |                |               |
| Naracoorte         | SA    | 36.58 | 140.45 |                |               |               |               |               |               |              | 1             |                |               | 24            |               |               |               |               |              |                |               |
| Naracoorte         | SA    | 36.58 | 140.45 |                |               |               |               |               |               |              |               |                |               | 12            |               |               |               |               |              |                |               |
| Narrabri           | NSW   | 30.20 | 149.47 | 1              |               |               |               |               | 12            |              |               |                |               |               |               |               |               |               |              |                |               |
| Narrabri           | NSW   | 30.20 | 149.47 |                |               |               |               |               | 12            |              |               |                |               |               |               |               |               |               |              |                |               |
| Narrabri           | NSW   | 30.20 | 149.47 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Narrabri           | NSW   | 30.20 | 149.47 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Narrabri nr Temora | NSW   | 34.25 | 147.38 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Narromine          | NSW   | 32.14 | 148.15 | None           |               |               |               |               | 1             |              | 2             |                |               |               |               |               |               |               |              |                |               |
| Narrabri           | NSW   | 31.07 | 150.59 | 9              |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| New Norfolk        | Tas   | 42.47 | 147.04 |                | 1             |               |               |               |               | 12           |               |                |               |               |               |               |               |               |              |                | 4             |
| Newbridge          | Vic   | 36.44 | 143.54 |                |               |               |               |               | 7             |              |               |                |               |               |               |               |               |               |              |                |               |



| Locality              | State | Lat   | Long   | O. alex | O. pec | O. ayg | O. vir | O. caf | E. int | E. af | E. ful | E. pall | L. mil | O. tau | O. bin | O. gaz | O. nig | O. sag | S. sp | G. spin | H. nom |
|-----------------------|-------|-------|--------|---------|--------|--------|--------|--------|--------|-------|--------|---------|--------|--------|--------|--------|--------|--------|-------|---------|--------|
| Pt Augusta West       | SA    | 32.30 | 137.46 | None    |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Queenscliff           | Vic   | 38.16 | 144.40 | 3       |        |        |        |        | 6      |       | 2      |         |        | 2      |        | 18     |        |        |       |         | 2      |
| Quipolly              | NSW   | 31.26 | 150.40 | 1       |        |        |        |        | 7      | 5     |        |         |        |        |        | 10     |        |        |       |         | 3      |
| Quirindi              | NSW   | 31.30 | 150.41 | 8       |        |        |        |        | 116    | 3     |        |         |        | 2      | 25     | 6      |        |        |       |         | 3      |
| Quorobolong           | NSW   | 32.56 | 151.24 | 2       |        |        |        |        |        |       |        |         |        |        | 9      | 1      |        |        |       |         | 1      |
| Randwick              | NSW   | 33.55 | 151.15 | None    |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Red Hill              | Vic   | 38.21 | 145.01 |         |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Redesdale             | Vic   | 37.01 | 144.32 |         |        |        | 3      |        | 100    |       | 10     |         |        |        |        |        |        |        |       |         | 7      |
| Redland Bay           | Qld   | 27.37 | 153.18 |         |        |        |        |        |        |       | 50     |         | 20     |        |        | 27     |        |        |       |         |        |
| Reedy Flat, via Ensay | Vic   | 37.24 | 147.54 |         |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Riana                 | Tas   | 41.12 | 146.01 |         |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Ringarooma            | Tas   | 41.15 | 147.44 |         |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Riverstone            | NSW   | 33.41 | 150.52 | 1       |        |        |        |        | 5      |       |        |         |        |        | 18     | 3      |        |        |       |         |        |
| Robertson             | NSW   | 30.41 | 150.03 |         |        |        |        |        |        | 1     |        |         |        |        | 1      |        |        |        |       |         |        |
| Robertson             | NSW   | 30.41 | 150.03 |         |        |        |        |        |        |       |        |         |        |        | 26     |        |        |        |       |         |        |
| Robertson             | NSW   | 30.41 | 150.03 |         |        |        |        |        |        |       |        |         |        |        | 1      |        |        |        |       |         |        |
| Rockhampton           | Qld   | 23.22 | 150.32 |         |        |        |        |        | 13     |       |        |         |        |        |        | 1      |        |        |       |         |        |
| Rockhampton North     | Qld   | 23.22 | 150.32 |         |        |        |        |        | 10     |       |        |         | 1      |        |        | 13     |        |        | 27    |         | 10     |
| Rollands Plains       | NSW   | 31.18 | 152.42 | 2       |        |        |        |        |        |       | 15     |         |        |        |        | 10     |        |        |       |         | 8      |
| Rosetta               | Tas   | 41.08 | 147.57 |         |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Rossmore*             | NSW   | 33.57 | 150.46 | None    |        |        |        |        | 35     | 37    |        |         |        |        |        | 8      |        |        |       |         | 7      |
| Rylstone              | NSW   | 32.48 | 149.59 | None    |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Sale                  | Vic   | 38.07 | 147.04 | None    |        |        |        |        | 46     |       |        |         |        |        |        |        |        |        |       |         |        |
| Samford               | Qld   | 27.22 | 152.53 | 4       |        |        |        |        | 39     |       |        |         | 34     |        |        | 3      |        |        |       | 2       | 3      |
| Samford Valley        | Qld   | 27.23 | 152.53 |         |        |        |        |        | 4      | 5     |        |         | 7      |        |        | 4      |        |        |       |         | 3      |
| Scone                 | NSW   | 32.03 | 150.52 | 1       |        |        |        |        |        |       |        |         |        |        |        | 5      |        |        |       |         |        |
| Scottsdale            | Tas   | 41.10 | 147.31 |         |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Seaforth              | NSW   | 28.55 | 150.57 | 1       |        |        |        |        | 10     |       |        |         |        |        |        | 3      |        |        |       |         |        |
| Second Valley         | SA    | 35.32 | 138.14 |         | 1      |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Sheffield             | Tas   | 41.23 | 146.20 | None    |        |        |        |        |        |       | 16     |         |        |        |        |        |        |        |       |         |        |
| Shepparton            | Vic   | 36.23 | 145.24 |         |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Shepparton            | Vic   | 36.23 | 145.24 |         |        |        |        |        |        |       |        |         |        | 1      |        |        |        |        |       |         |        |
| Silvan                | Vic   | 37.49 | 145.25 | None    |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Singleton             | NSW   | 32.34 | 151.10 | 10      |        |        |        |        | 15     | 1     |        |         |        |        |        | 13     |        |        |       |         | 3      |
| Singleton             | NSW   | 32.34 | 151.10 | 2       |        |        |        |        | 15     | 1     |        |         |        |        |        | 10     |        |        |       |         |        |
| Somerton              | NSW   | 30.56 | 150.39 | 6       |        |        |        |        |        |       |        |         |        |        |        | 10     |        |        |       |         |        |
| Sorell*               | Tas   | 42.47 | 147.35 |         |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| South Gundurimba      | NSW   | 28.53 | 153.16 |         |        |        | 36     |        | 146    |       |        |         |        | 15     | 10     | 70     | 119    |        |       |         | 15     |
| Springbrook           | Qld   | 28.14 | 153.16 |         |        |        |        |        |        |       |        |         |        |        |        |        | 17     |        |       |         |        |
| Springhurst           | Qld   | 24.07 | 148.05 | 1       |        |        |        |        |        |       |        |         | 3      |        |        |        |        |        |       |         |        |
| St Arnaud             | Vic   | 36.37 | 143.16 | 2       |        |        |        |        | 3      |       | 20     |         | 1      |        |        |        |        |        |       |         |        |
| St George             | Qld   | 28.03 | 148.35 |         |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| St Helens             | Tas   | 41.20 | 148.15 |         |        |        |        |        |        |       |        |         |        |        |        |        |        |        |       |         |        |
| Stanthorpe            | Qld   | 28.40 | 151.56 |         |        |        |        |        |        | 2     |        |         |        |        |        |        |        |        |       |         |        |



| Locality            | State | Lat   | Long   | <i>O. alex</i> | <i>O. pec</i> | <i>O. ayg</i> | <i>O. vir</i> | <i>O. caf</i> | <i>E. int</i> | <i>E. af</i> | <i>E. ful</i> | <i>E. pall</i> | <i>L. mil</i> | <i>O. tau</i> | <i>O. bin</i> | <i>O. gaz</i> | <i>O. nig</i> | <i>O. sag</i> | <i>S. sp</i> | <i>G. spin</i> | <i>H. nom</i> |
|---------------------|-------|-------|--------|----------------|---------------|---------------|---------------|---------------|---------------|--------------|---------------|----------------|---------------|---------------|---------------|---------------|---------------|---------------|--------------|----------------|---------------|
| Townsville          | Qld   | 19.16 | 146.49 | None           |               |               |               |               | 5             |              |               |                | 1             |               |               | 14            |               |               |              |                |               |
| Traralgon           | Vic   | 38.12 | 146.32 | 1              |               |               | 30            |               |               |              |               |                |               |               |               | 2             | 5             | 1             |              |                | 15            |
| Tucki               | NSW   | 28.56 | 153.19 |                | 8             |               |               |               | 1             |              |               |                |               |               |               | 1             |               |               |              |                |               |
| Tullera via Lismore | NSW   | 28.44 | 153.17 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Tully               | Qld   | 17.56 | 145.56 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Tully               | Qld   | 17.56 | 145.56 |                |               |               |               |               |               |              | 270           |                | 1             |               |               | 7             |               |               |              |                |               |
| Tumbarumba          | NSW   | 35.46 | 148.01 |                |               |               |               |               |               |              |               |                |               | 3             | 1             |               |               |               |              |                |               |
| Tumbarumba          | NSW   | 35.46 | 148.01 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Tumbarumba          | NSW   | 35.46 | 148.01 |                |               |               |               |               |               |              | 10            |                |               |               |               |               |               |               |              |                |               |
| High School         | NSW   | 35.46 | 148.01 |                |               |               |               |               |               |              | 2143          |                |               |               | 14            |               |               |               |              |                |               |
| High School         | NSW   | 35.46 | 148.01 |                |               |               |               |               |               |              | 100           |                |               | 1             |               |               |               |               |              |                |               |
| High School         | NSW   | 35.46 | 148.01 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Turrumurra*         | NSW   | 31.20 | 150.59 |                | 4             |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Uki                 | NSW   | 28.25 | 153.20 |                |               |               |               |               |               |              |               |                |               |               |               | 12            |               |               |              |                | 5             |
| Uki                 | NSW   | 28.25 | 153.20 | None           |               |               |               |               |               |              |               |                |               |               |               | 27            |               |               |              |                |               |
| Uki                 | NSW   | 28.25 | 153.20 | 1              |               |               |               |               |               |              | 9             |                |               |               | 169           | 8             |               |               |              |                | 1             |
| Ulladulla           | NSW   | 35.21 | 150.29 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Ulverstone          | Tas   | 41.10 | 146.11 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Upper Corindi       | NSW   | 30.02 | 153.08 | 1              |               |               | 2             |               |               |              | 11            |                | 6             |               | 25            | 10            |               |               |              |                |               |
| Upper Esk           | Tas   | 41.26 | 147.44 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Upwey               | Vic   | 37.54 | 145.20 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Uralla              | NSW   | 30.38 | 151.30 | 3              |               |               |               |               |               |              |               | 2              |               |               |               |               |               |               |              |                |               |
| Uralla              | NSW   | 30.38 | 151.30 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Urangan             | Qld   | 25.17 | 152.54 |                |               |               |               |               | 8             |              |               |                | 3             |               |               | 7             |               |               |              |                |               |
| Valley Heights      | NSW   | 33.42 | 150.35 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Vermont             | Vic   | 37.50 | 145.12 |                |               |               |               |               |               |              | 5             |                |               |               | 70            | 14            | 7             |               |              |                |               |
| Wagga               | NSW   | 35.07 | 147.22 |                |               |               |               |               |               |              | 344           |                |               |               |               | 5             |               |               |              |                |               |
| Waitfield           | Qld   | 30.59 | 151.35 | 6              |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Walcha              | NSW   | 30.59 | 151.35 |                |               |               |               |               | 1             |              |               |                |               |               |               |               |               |               |              |                |               |
| Walcha              | NSW   | 30.59 | 151.35 |                |               |               |               |               | 36            |              |               |                |               |               |               | 51            |               |               |              |                |               |
| Walcha              | NSW   | 30.59 | 151.35 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Walcha              | NSW   | 30.59 | 151.35 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Wallacia            | Qld   | 33.52 | 150.39 | None           |               |               |               |               | 3             |              |               |                |               |               | 1             | 8             |               |               |              |                |               |
| Wamboin             | ACT   | 30.39 | 147.23 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Wamboin             | ACT   | 30.39 | 147.23 | None           |               |               |               |               |               |              | 18            |                |               | 13            |               |               |               |               |              |                |               |
| Wamboin             | ACT   | 30.39 | 147.23 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Wamuran             | Qld   | 27.02 | 152.52 | None           |               |               | 3             |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Wangaratta          | Vic   | 36.21 | 146.19 |                |               |               |               |               |               |              | 8             |                |               |               |               | 10            |               |               |              |                |               |
| Wangaratta          | Vic   | 36.21 | 146.19 |                |               |               |               |               |               |              | 18            |                |               |               |               |               |               |               |              |                |               |
| Wangaratta          | Vic   | 36.21 | 146.19 |                |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Warners Bay*        | NSW   | 32.58 | 151.39 |                |               |               |               |               | 1             |              |               |                |               |               |               |               |               |               |              |                |               |
| Warracknabeal       | Vic   | 36.15 | 142.24 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Warracknabeal       | Vic   | 36.15 | 142.24 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |
| Warragul South      | Vic   | 38.10 | 145.56 | None           |               |               |               |               |               |              |               |                |               |               |               |               |               |               |              |                |               |

|                 |     |       |        |      |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
|-----------------|-----|-------|--------|------|----|--|----|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Warrie Wood     | NSW | 31.20 | 148.22 | None | 4  |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Warrimoo        | NSW | 33.43 | 150.36 | 1    |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Warwick         | Qld | 28.13 | 152.02 | 2    |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Warwick         | Qld | 28.13 | 152.02 | 8    | 1  |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Warwick         | Qld | 28.13 | 152.02 |      |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Weipa           | Qld | 12.41 | 141.53 |      |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wentworth       | NSW | 34.06 | 141.55 | 1    |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Werombi         | NSW | 33.59 | 150.35 | 2    | 10 |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Werris Creek    | NSW | 31.21 | 150.39 | None |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| West Wallsend   | NSW | 32.55 | 151.35 |      |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Whitebridge     | NSW | 32.59 | 151.43 | 2    |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wilberforce     | NSW | 33.34 | 150.51 | 5    |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Willowmavin,    |     |       |        |      |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Killmore        | Vic | 37.16 | 144.55 |      |    |  | 52 |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Winton          | Qld | 22.23 | 143.02 | None |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wollomombi      | NSW | 30.31 | 152.03 | 5    |    |  |    | 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wollomombi      |     |       |        |      |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| via Armidale    |     |       |        |      |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wonga Park      | NSW | 30.31 | 152.03 | 1    |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wonga Park      | Vic | 37.44 | 145.16 |      |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wongavale       | NSW | 28.42 | 153.08 |      |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wongavale       | NSW | 28.42 | 153.08 |      |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Woodsdale       | SA  | 34.57 | 138.53 |      |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Woodsdale       | Qld | 23.55 | 150.12 | 1    |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wowan           | NSW | 36.56 | 149.39 | 11   |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wyndham         | NSW | 36.56 | 149.39 | 1    |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wyndham         | NSW | 36.56 | 149.39 | 1    |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wyndham         | Tas | 41.00 | 145.44 | None |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wynyard         | NSW | 29.26 | 153.22 |      |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Yamba           | Vic | 38.49 | 146.13 | None |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Yanakie         | Vic | 38.49 | 146.13 | None |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Yandina         | Qld | 26.34 | 152.57 |      |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Yarra Junction* | Vic | 37.47 | 145.37 | None |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Yarraman        | Qld | 26.51 | 151.59 | 1    |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Yarraman        | Qld | 26.51 | 151.59 | 3    |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Yarramundi      | NSW | 29.22 | 151.54 |      |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Yarrawonga      | Vic | 36.01 | 146.00 |      |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Yass            | NSW | 34.51 | 148.55 |      |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Yengarie        | Qld | 25.33 | 152.37 | 4    |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Yeppoon         | Qld | 23.08 | 150.44 |      |    |  |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |

