

October 2009



ACT and Region Community Frogwatch Census Report



ACT & Region Frogwatch Program Community Frogwatch Census Report October 2009

Prepared by Emma Keightley, ACT Frogwatch Coordinator.

Frogwatch Technical Advisors: Dr Will Osborne (University of Canberra) Dr Murray Evans (ACT Government)

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For further information contact: ACT Frogwatch Coordinator Ginninderra Catchment Group P: 02 6278 3309 E: <u>frogwatch@ginninderralandcare.org.au</u> F: 02 6278 3926 PO Box 446, Holt, ACT, 2615 <u>www.ginninderralandcare.org.au</u>

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Front cover photographs: Elmslea Estate Pond, Bungendore – BUN200 (Samuel Radoll & Jenni Bird), *Litoria peronii* and *Limnodynastes tasmaniensis* egg mass (Rebecca Gee), & *Litoria aurea* (David Wong).

Table of Contents

| Acknowledgments | 2 |
|--|----|
| About Frogwatch | 3 |
| Information objectives Community capacity building objectives | |
| Methods | 5 |
| Quality assurance and quality control | 7 |
| Frogwatch sites | 8 |
| Summary of results | 9 |
| Species detected | |
| Species diversity and abundance | 10 |
| Species results | 15 |
| References | 25 |
| Appendix 1 | 26 |
| Frogwatch volunteers 2009 | 26 |
| Appendix 2 | 27 |
| Site location details – October 2009 | 27 |
| Appendix 3 | 32 |
| Monitoring summary | 32 |

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Thank you to Dr Will Osborne for his contribution to the program including his ever-popular presentations at the introductory training seminars and the Tidbinbilla Nature Reserve field trip. All events were oversubscribed and received great feedback. Technical advice and assistance with species identification was gratefully received from Dr Will Osborne and Dr Murray Evans.

To Mr Ederic Slater, thank you for allowing the use of the "Frog Calls of the ACT and South-East NSW" CD. It is an essential part of the Frogwatch Kit and is highly valued by each participant.

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To the Ginninderra Catchment Group and the ACT NRM Council, thank you for initiating and administering the Frogwatch program.

About Frogwatch

The ACT & Region Frogwatch program is a community frog-monitoring program that conducts a frog census in spring each year. The major aim of the program is to engage community volunteers in monitoring frogs in the region in order to generate significant information about the presence and abundance of frog populations. This report presents the results of the 2009 Frogwatch spring census.

Frogs are widely recognised as indicators of environmental health because adult frogs, their eggs and tadpoles may be susceptible to a range of aquatic pollutants (Duellman and Trueb, 1994; Tyler, 1994). There are two main ways in which frogs can behave as indicators: 1) measures of frog presence/absence and/or species richness, and 2) evidence of developmental abnormalities.

The presence of amphibians can indicate good water quality and the availability of high quality habitat, whereas the absence or decline of frog populations can indicate unhealthy or degraded catchments. A number of studies have used frogs as environmental indicators (see Beebee and Griffiths, 2005; Boyer and Grue, 1995; DeGarady and Halbrook, 2006; Kavanagh and Stanton, 2005; Lauck, 2006; Lofvenhaft et al., 2004; Price et al., 2007; Weygoldt, 1989). For example, Jansen & Healey (2003) measured frog species richness, abundance and reproductive success to determine the effect of grazing on wetland condition (as measured by parameters such as vegetation and bank structure and complexity, and water quality).



Figure 1. Deformed Limnodynastes tasmaniensis

Frogs are known to develop tissue and skeletal abnormalities, such as extra digits or limbs, in response to the presence of aquatic pollutants. However, it can be difficult to determine the exact cause of such developmental abnormalities, particularly as amphibian populations naturally display relatively high rates of developmental abnormalities (approximately 3% in any given population) (Tyler, 1994).

Evidence of one such abnormality was found in one *Limnodynastes tasmaniensis* at the FAD300 site in 2009, as can be seen in Figure 1.

The Ginninderra Catchment Group initiated the Frogwatch program in 2002 when approximately 40 volunteers monitored frog populations at 29 sites. Since then, the program has expanded dramatically to provide an annual snapshot of frog species richness and abundance in the ACT and surrounding NSW. In 2009, approximately 212 volunteers participated in the census, monitoring at 161 sites. An total of 351 field data sheets were completed and submitted in 2009.

The information gathered by the Frogwatch census is used to identify future community monitoring and action priorities, particularly in relation to the creation and protection of frog-friendly habitats in the ACT and surrounding region.

Information objectives

- Increase understanding of the distribution and abundance of frogs in the ACT & region;
- Increase knowledge and understanding about the health of our wetlands and waterways;
- Monitor the impacts of bushfires and drought on our local ecosystems and catchments;
- Monitor the impacts of bushfires on local wildlife and track recovery rates;
- Provide supplementary information to the ACT Government's professional frog monitoring program; and
- Continue the collection of important frog monitoring data to enhance previous studies.

Community capacity building objectives

- Provide an exciting, hands-on opportunity for community members to engage in natural resource management (NRM);
- Provide opportunities for community involvement in wildlife monitoring;
- Provide CAMPFIRE (Community Assessment Monitoring Program for Fire Impacted River Ecology) and Waterwatch groups with the opportunity to broaden their monitoring activities;
- Increase community capacity to understand a range of important environmental issues such as biodiversity, introduced species, water quality, habitat loss and other impacts on natural ecosystems;
- Facilitate community monitoring and evaluation of NRM on-ground works, e.g. wetland development, willow removal and revegetation projects;
- Increase awareness of frog populations and their habitat requirements, and provide support for the creation and protection of high quality habitat; and
- Ensure that Frogwatch participants do not contribute to the spread of frog pathogens.

Methods

Frogwatch participants attended an introductory training seminar in the lead up to the Frogwatch spring census (23 September & 7 October 2009). Seminar participants learned from Dr Will Osborne of the Institute of Applied Ecology, University of Canberra, about:

- why and how frogs call;
- frog species from the region and their mating calls;
- frog identification techniques; and how to estimate frog abundance; and
- the importance of monitoring.

The ACT Frogwatch Coordinator outlined procedures for undertaking and recording Frogwatch observations including:

- basic safety guidelines
- site selection information;
- how to fill in datasheets and take audio recordings; and
- procedures for preventing the spread of potential frog pathogens.

Experienced Frogwatch participants attended a field trip to Tidbinbilla Nature Reserve where they gained extra experience in identification techniques, estimating abundance and identifying important habitat components (30 September 2009). Dr Will Osborne led the field trip and provided valuable advice about amphibian ecology, behaviour, and monitoring strategies.

All participants received a copy of the Frogwatch Kit (Figure 2), which contains:

- The Frogwatch monitoring plan;
- Information about frog species of the ACT and surrounding Region, including habitat information and identification tips;
- Pathogen control guidelines;
- Procedures for monitoring frog calls;
- A list of available frog resources;
- Frogwatch field data sheets and other forms;
- "Glove-box Guide to Frogs of the ACT Region";
- Audio CD "Frog Calls of the ACT and South East NSW" by Ederic Slater; and
- Frogwatch thermometer.



Figure 2. Cover image of the 2009 Community Frogwatch Census Kit.

Each participant or group registered their Frogwatch site(s) with the Frogwatch coordinator. Participants were encouraged to monitor at one of thirty 'Key Frogwatch sites' that are selected as to take priority for annual monitoring. Prioritising these sites ensures that they are consistently and comprehensively monitored from year to year, and that the Frogwatch data will be statistically robust to permit in-depth analysis over the longer term. Monitoring at other sites was also encouraged to allow for the inclusion of sites of particular interest to Frogwatch participants.

Frog calls and other details were observed and recorded at 161 sites across the ACT and region during the Frogwatch monitoring period in October 2009. During the Frogwatch census week (18 - 24 October) Frogwatch sites were monitored on at least one occasion. To increase the statistical reliability of the data, participants were encouraged to monitor on more than one evening during census week, while Key sites were monitored on at least three evenings during the week. See Appendix 1 for a complete list of all Frogwatch 2009 volunteers and Appendix 2 for a summary of monitoring occasions for each site.

At each site Frogwatchers recorded details about:

- site location;
- habitat;
- vegetation;
- weather conditions; and
- frog species heard/observed.

This data was recorded onto official field data sheets (Figure 3). Participants took site photographs and audio recordings of frog vocalisations (if present) at their site during the early evening. The data sheets, audio recordings and site photographs were sent to the Frogwatch coordinator for processing.

All audio recordings and subsequent frog identifications were checked for accuracy by the Frogwatch coordinator, while staff from the ACT Government and the University of Canberra confirmed unusual species or calls that were difficult to identify.

| Frogwatch I | Field Data Sheet – 2009 | | LAN - DRAWING |
|--|---|---|--|
| | et for each frog monitoring site each time you monitor ** | Please draw a simple plan of the site, detailing where arrow, access roads and major features: | e observations were taken from, permanent landmarks, a north |
| | lures for Frogwatch Monitoring" in your Census Kit ** | | |
| SAMPLING DET | AILS AND SITE DESCRIPTION | | |
| Site Code: Date: Observers: Site Name: | Time: Group Name: | | |
| Site Location Details : Easting: (6 digits) Grid Reference: (optional) | Northing: (7 digits) Akiruda: (optional) | | |
| | HABITAT | INVENI | TORY OF SPECIES |
| Type of Upland River D Upland Creek | Please tick one: less than 30 cm more than 30 cm Montane Seepage Loviand Ever Loviand Creek Lake | The number of frogs calling can be estimated and gr | 1 - 5 5 - 20 ouped as follows: 20 - 100 20 - 100 auces dum 100 |
| breeding habitate U Wetland or Backwater I Farm I Other (please specify) | Dam 🗆 Stommater Drain 🔲 Vegetated Drainage Channel | Species Detected | Number Comment |
| | civate backyard 🗆 Ruzal property 🔲 National Park 🔲 Other (please specify) | | |
| Seasonality of Water Body: Permanent open w | ater 🗆 Damp all year 🗆 Flows only after heavy rain | | |
| Water Flows | | | |
| How long have you known about this site? | | | |
| Have you noticed any changes in frog numbers or activity over this period? | | | |
| Has the natural environment of the site changed | | | |
| over this period? | | | |
| | | | |
| GENERAL DESCRI | PTION OF VEGETATION AT SITE | | |
| Aquatic Vegetation Overhead Canopy Bank Vegetation Surrounding Landscape Vegetation | | ADDITIONAL COMMENTS: | |
| | WEATHER | | |
| Please place a tick next to the box that best descri | bes the Sky Condition and Wind: | | nd your tape recording to the ACT Frogwatch Coordinator. |
| (1) Clear or a few clouds | (1) Still - smoke rises vertically | | CLUDED IN THE FROGWATCH REPORT, PLEASE |
| (2) Partly cloudy or variable | (2) Light breeze - wind direction shown by smoke drift | | ET BY FRIDAY 13TH NOVEMBER 2009 |
| (3) Cloudy (broken) or overcast (4) Fog | (3) Light wind - wind felt on face, leaves costle (4) Windy - leaves and branches in constant motion | | e information, please contact: |
| (5) Dúzzle | | Emma Keightley ACT Progratch Coordinator | P. 6278 3309 E: waterwatch@zinnindercalandcare.org.av |
| (6) Showers | °C Water °C | Ginninderra Catchment Group | PO Box 446, Holt, ACT 2615 |
| Temperature | Temperature | F: 6278 3926 | www.ginnindersalandease.org.au |

Figure 3. Field data sheet for the 2009 Frogwatch census

Quality assurance and quality control

The accuracy and precision of the collected data was assured by strict quality control processes, including:

- Monitoring of calls at all sites on at least one evening in October 2009, during the first two hours after dark;
- Taking audio recordings at all monitoring sites to confirm the identity of each species and the number of frogs calling. Figure 4 shows the audio recordings received on physical media, a proportion of recordings were received via email in digital format;
- Verification of data by the Frogwatch Ccordinator, with assistance from ACT Government and University of Canberra staff. Any data that was unable to be confirmed was not included in this report; and
- Detailed information about Frogwatch procedures and guidelines were provided to all participants at Frogwatch training events, and in the Frogwatch kit. A copy of the Frogwatch kit can be provided by contacting the Frogwatch coordinator.



Figure 4. Audio recordings from 2009 Frogwatch census

Frogwatch sites

A total of 161 Frogwatch sites were monitored during October 2009. Of these, 117 were located within the ACT border, while the remaining 44 sites were situated in the surrounding NSW region (Figure 5). Frogwatch site codes, names and locations are detailed in Appendix 2.

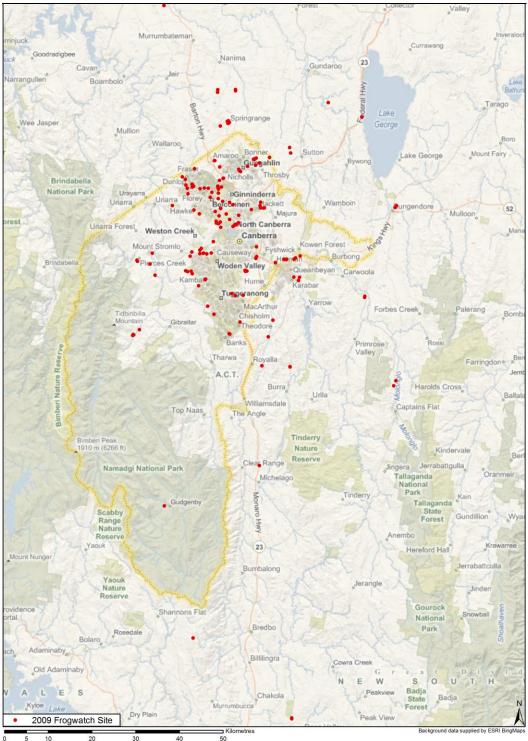


Figure 5. Site locations for the 2009 Frogwatch census.

Summary of results

The prolonged drought that had been affecting the ACT and surrounding NSW Region for the past several years had abated somewhat prior to the 2009 census. Close to average rainfall was experienced in the region for the winter and spring periods (BOM, 2009). During the month of October (monitoring period) the ACT received 42.4mm of rain, while the historical average is 62.1mm (BOM, 2009). October was however a relatively cloudy month, with higher than average humidity and three thunderstorm events (BOM, 2009).

The general trend in 2009 was a positive one. More species were detected overall and the average number of species found per site increased. Each species was found at a greater percentage of sites in 2009 than in 2008 except *Litora vereauxii vereauxii* which remained stable.

Species detected

A total of 10 species were detected throughout the ACT and region during the 2009 census (Table 1). The three most commonly-detected species were the **Spotted grass frog** (*Limnodynastes tasmaniensis*), **Plains froglet** (*Crinia parinsignifera*) and **Common eastern froglet** (*Crinia signifera*). These species were present in at least 50% of the monitored sites in 2009 (Table 1).

| Species | Detection Frequency 2009 (no. sites) | % of Sites 2009 |
|--|--|--------------------|
| Limnodynastes tasmaniensis (Spotted grass frog) | 121 | 75 |
| Crinia parinsignifera (Plains froglet) | 98 | 61 |
| Crinia signifera (Common eastern froglet) | 111 | 69 |
| <i>Limnodynastes dumerilii</i> (Eastern banjo frog) | 57 | 35 |
| <i>Litoria verreauxii</i> (Whistling treefrog) | 33 | 20 |
| <i>Litoria peroni</i> (Peron's treefrog) | 57 | 35 |
| <i>Uperoleia laevigata</i> (Smooth toadlet) | 47 | 29 |
| <i>Limnodynastes peronii</i> (Brown-striped frog) | 27 | 17 |
| Nebatrachus sudelli (Spotted burrowing frog) | 4 | 2 |
| Litoria aurea (Green and golden bell frog) | 1 | 1 |
| No calls recorded | 9 | 6 |

Table 1. Frog species detected during the 2009 Frogwatch Census, and each species' overall abundance.

Of note was the **Green and golden bell frog** (*Litoria aurea*) which was detected at one Frogwatch site in 2009. This is the first census record of this species since 2006. This species is nationally threatened and has vanished from much of its former range, including in the ACT. The site where this species was recorded has been monitored in previous years however this is the first time the Green and Golden bell frog has been observed.

Also of interest is the **Spotted burrowing frog** (*Neobatrachus sudelli*) that was detected at four Frogwatch sites in 2009, whereas during 2008 only it was only recorded at one site and prior to that not since 2005. This species undergoes aestivation, which is a type of hibernation, in response to relatively warm and dry conditions. Aestivating frogs create an underground burrow and secrete a watertight cocoon from sloughed skin in order to inhibit evaporative water loss during dormancy. These frogs require significant rain events in order to arouse from aestivation and escape from the underground burrow, therefore it is not unusual for these animals to remain underground for many years at a time during protracted drought conditions. It is encouraging that the census was able to detect this species at four sites in 2009.

Species diversity and abundance

An abundance of frogs at a particular site can indicate the availability of good quality habitat that fulfills the requirements of a number of different species. On-going observations of frog species diversity at Frogwatch sites can highlight sites of significant environmental value, and can assist with decision-making, priority setting and management of an area.

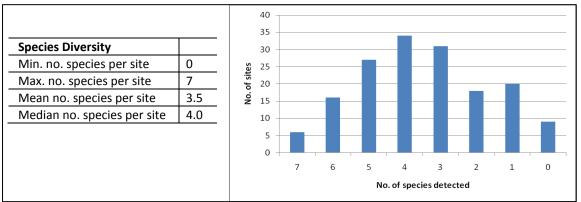


Figure 6. Relative abundance of species at sites surveyed during the 2009 Frogwatch census.

The average number of species per site in 2009 was 3.5, up from 2.6 in 2008. This increase could be related to the increase in rainfall in the months prior to the census period in comparison to previous years.

The greatest number of species found at any one site during the 2009 Frogwatch census was seven species, one more than in 2008.

Six sites reported the presence of seven frog species. These were:

- End Dam at Sanctuary, Tidbinbilla Nature Reserve FTD165;
- Little Whiskers Rd, Molonglo River, Carwoola LWR100;
- Mulligans Flat Site 2, Mulligans Flat Nature Reserve MFL002;
- Mulligans Flat Site 7, Mulligans Flat Nature Reserve MFL007 (Figure 8);
- Dam 2 McFarlene Property Spring Range Road via Hall 0SR002; and
- Rose Cottage horse paddock dam RCD001 (Figure 7).



These sites illustrate the significance of the rural fringes in our region. Sites both inside and outside the reserve system feature in this list. All but one of these sites are dams indicating the high habitat value of dams for frogs in the region.

Figure 7. Rose Cottage dam RCD001 – a site where seven species were identified, including *Neobatrachus sudelli*



Figure 8. Mulligans Flat site 2 – a site where seven species were identified.



Figure 9. Species abundance at Frogwatch sites located in the Ginninderra Catchment.

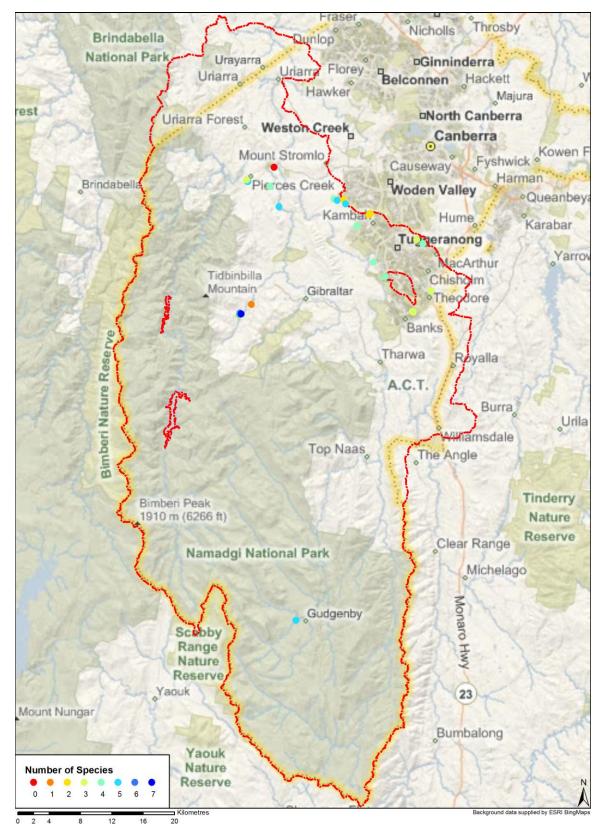


Figure 10. Species abundance at Frogwatch sites located in the Southern ACT Catchment.

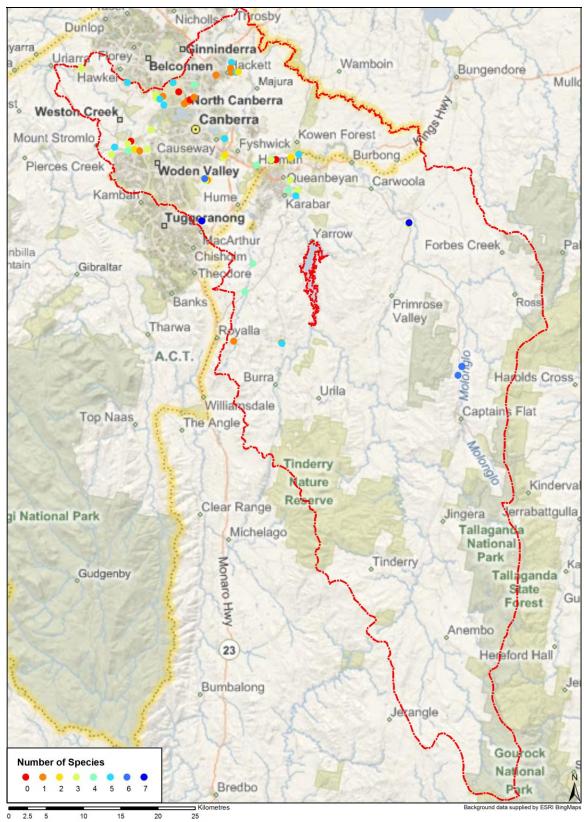


Figure 11. Species abundance at Frogwatch sites located in the Molonglo Catchment.

Species results

Limnodynastes tasmaniensis¹

Spotted Grass Frog

- Blotched appearance with dark & light markings.
- Red or orange stripe along spine.
- Length = 50mm.
- Call = "uck, uck, uck".



| Census Year | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
|------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| No. of sites where detected | 9 | 64 | 91 | 102 | 55 | 95 | 79 | 121 |
| % of total sites surveyed | 31 | 53 | 67 | 71 | 33 | 59 | 58 | 75 |
| Median no. of individuals observed | 1 to 5 |

Г

| Site Code | Abundance | Site Code | Abundance | nju | JCK | A San | ass R | | leilmount | Collector | Currawang | Rd |
|-----------|-----------|-----------|-----------|---------|---|-------------------------|--------------------|----------------|-----------------------------|-----------------|--|----------|
| ANU023 | 1 to 5 | FMW010 | 5 to 20 | 19 | A RAL | Boambolo | Hank | Ner | relimount orest deal, pe | K En | Currawang | 3 |
| ARA100 | 1 to 5 | FTB010 | 1 to 5 | | | Yass Va | lley | 202 | 1 pa | | aid | |
| ARA200 | 1 to 5 | FTD010 | 1 to 5 | | - | 33.791 | Nar | hima | - Maria | Q | 1 | 1 |
| BON100 | 5 to 20 | FTD015 | 1 to 5 | | Narrangullen | Cavan | Rd | | Gundaroo | | lactor Q | 1 aka |
| BUN100 | 5 to 20 | FTD120 | 5 to 20 | c | 2 | Springra | inge elli | | eder | | | athur |
| BUN200 | 5 to 20 | FTD165 | 1 to 5 | - | spec | and . | Na | | Bun | ake George | Ro | ago |
| BUR300 | 5 to 20 | GIN007 | 5 to 20 | ere | | | Jeir | | endo | Lake | done | X |
| BUR350 | 20 to 50 | GIN008 | 5 to 20 | 2 | astal to | Mullion | Wallaroo | | Pag | George | SS N | lount |
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| CBR001 | 1 to 5 | GUN200 | 5 to 20 | 1 | The Goald | Dur | lop | | Macs Reel Rd | ng | 1 Frank | Boro |
| CBR003 | 1 to 5 | GUN300 | 20 to 50 | | | Charm | do Spence Giral | Gungahlin | Stan Brad | Kerago F | td | |
| CBR004 | 5 to 20 | GUN400 | 5 to 20 | ALC: NO | 100 152 | Uriarra | Elor o | Mitchell | Ra | Taro | Mulloon | |
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| CEQ200 | 5 to 20 | HAL001 | 1 to 5 | | odra | Unan | 2 | City | Contraction of the owner | ting | | 1 |
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| CMC150 | 5 to 20 | JER010 | 1 to 5 | 8 | 10 200 | and the | Oxie | Gilmore | Yarrow H | skinstown | orbes Creek | |
| CMC600 | 1 to 5 | JER100 | 20 to 50 | 1.5 | R A. | Tidbinbilla Mountain | | Chisholm | Pager (| Primrose Valley | ardes Creek | |
| CMC700 | 5 to 20 | JER101 | 1 to 5 | 1 | 4.1.1. | | Cond | ler Googo | 1 | 12 | A Partie | |
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| DUF200 | 1 to 5 | MFL004 | 5 to 20 | | Rive | 1843 | A Par | Tinderry | Rd | Anembo He | reford Hall | arree |
| DUF300 | 5 to 20 | MFL005 | 20 to 50 | 1 | MKG | EN DE | S AL | 60 H | | Hat | L | lyanb |
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| FBM400 | 1 to 5 | MOL150 | 5 to 20 | | K Rd | Killer 5 | Run | Colinton | A Have | Jera P | State | Par - |
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| FGC009 | 1 to 5 | MUR010 | 5 to 20 | | | | NA PA | Strik | Jerangie | Form | Bart - Mark | 121 |
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| FGD040 | 5 to 20 | OSR002 | 5 to 20 | | Abundance | Bee P | solo Ro | 8 | Great NE | WS | d i n g R O U T H | 25 |
| FGD045 | 1 to 5 | OSR003 | 5 to 20 | | 1 to 5 5 to 20 | and the | B | Chakola | | Peak View | D EP | N |
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| FGW200 | 1 to 5 | OSR006 | 5 to 20 | 0 | 5 10 | 20 30 | 40 | 50 | | DACKG | | |
| FLO200 | 1 to 5 | PCF001 | 1 to 5 | | | | | | | | | |
| FMC040 | 5 to 20 | PIN010 | 1 to 5 | PNG200 | 0 20 to 50 | QBN011 | 1 to 5 | SFF100 | 20 to 50 | TRA100 | 1 to 5 | |
| FMC200 | 5 to 20 | PIN100 | 5 to 20 | PNG300 | | QBN011 | 5 to 20 | SUT100 | 5 to 20 | TSP100 | 1 to 5 | |
| FMC210 | 1 to 5 | PLM300 | 5 to 20 | QBN00 | | QBN200 | 1 to 5 | SUT101 | 1 to 5 | UCP100 | 1 to 5 | |
| FMC220 | 1 to 5 | PNG100 | 20 to 50 | QBN010 | | RCD001 | 20 to 50 | TAL001 | 1 to 5 | | | |
| | | | | | | | | | | | | |

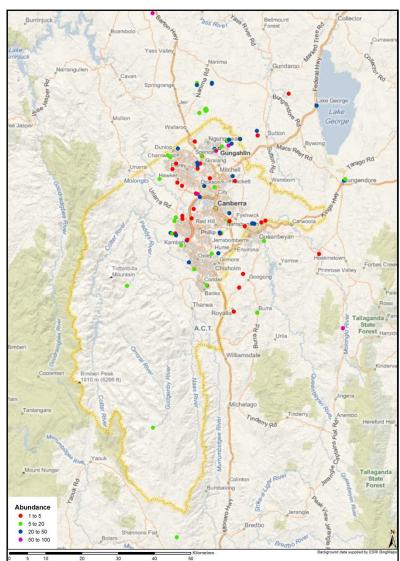
Crinia parinsignifera¹ Plains Froglet



- Highly variable species ranging from plain-coloured to strongly-marked individuals with raised ridges & bumps.
- Length = 30mm.
- Call = drawn-out "wwrreeeek" repeated regularly.

| Census Year | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
|------------------------------------|--------|---------|---------|---------|---------|---------|--------|---------|
| No. of sites where detected | 11 | 57 | 84 | 87 | 56 | 85 | 78 | 98 |
| % of total sites surveyed | 38 | 48 | 62 | 60 | 34 | 53 | 57 | 61 |
| Median no. of individuals observed | 1 to 5 | 5 to 20 | 1 to 5 | 5 to 20 |

| Site code | Abundance | Site code | Abundance |
|-----------|-----------|-----------|-----------|
| ARA100 | 1 to 5 | JER101 | 1 to 5 |
| BON100 | 5 to 20 | JER300 | 1 to 5 |
| BUN100 | 20 to 50 | JER310 | 5 to 20 |
| BUN200 | 5 to 20 | JER320 | 1 to 5 |
| BUR350 | 5 to 20 | JER500 | 20 to 50 |
| CBR001 | 5 to 20 | LAW100 | 1 to 5 |
| CBR002 | 5 to 20 | LDM100 | 5 to 20 |
| CBR003 | 1 to 5 | LGC001 | 20 to 50 |
| CBR004 | 20 to 50 | LWR100 | 1 to 5 |
| CEQ100 | 20 to 50 | MCW001 | 20 to 50 |
| CEQ200 | 5 to 20 | MCW002 | 20 to 50 |
| CFR200 | 50 to 100 | MFL001 | 20 to 50 |
| CMC100 | 1 to 5 | MFL002 | 20 to 50 |
| CMC150 | 20 to 50 | MFL003 | 20 to 50 |
| CMC600 | 5 to 20 | MFL004 | 5 to 20 |
| CMC700 | 20 to 50 | MFL005 | 20 to 50 |
| CMC750 | 1 to 5 | MFL007 | 20 to 50 |
| CON100 | 1 to 5 | MFL011 | 50 to 100 |
| CON110 | 5 to 20 | MFL013 | 20 to 50 |
| DGP001 | 20 to 50 | MOL150 | 1 to 5 |
| DUF200 | 5 to 20 | MOL600 | 1 to 5 |
| DUF300 | 5 to 20 | MOL605 | 20 to 50 |
| FAD100 | 5 to 20 | MOL608 | 1 to 5 |
| FBM400 | 20 to 50 | MUR010 | 5 to 20 |
| FER200 | 1 to 5 | MYA050 | 1 to 5 |
| FGC009 | 5 to 20 | MYR100 | 5 to 20 |
| FGC010 | 1 to 5 | MYR300 | 20 to 50 |
| FGC030 | 5 to 20 | OSR001 | 5 to 20 |
| FGD020 | 1 to 5 | OSR002 | 5 to 20 |
| FGD040 | 50 to 100 | OSR003 | 5 to 20 |
| FGD045 | 20 to 50 | OSR004 | 5 to 20 |
| FGG010 | 1 to 5 | OSR005 | 5 to 20 |
| FMC200 | 1 to 5 | OSR006 | 5 to 20 |
| FMC220 | 20 to 50 | PIN010 | 1 to 5 |
| FMW010 | 5 to 20 | PIN100 | 1 to 5 |
| FTB010 | 5 to 20 | PLM300 | 20 to 50 |
| FTD015 | 5 to 20 | PLM400 | 50 to 100 |
| GIN007 | 1 to 5 | PNG100 | 20 to 50 |
| GIN008 | 5 to 20 | PNG200 | 5 to 20 |
| GIN024 | 1 to 5 | PNG300 | 20 to 50 |
| GUN100 | 20 to 50 | QBN010 | 5 to 20 |
| GUN200 | 5 to 20 | QBN012 | 20 to 50 |
| GUN300 | 50 to 100 | RCD001 | 20 to 50 |
| GUN400 | 5 to 20 | SFF100 | 1 to 5 |
| HAL002 | 1 to 5 | SUT100 | 20 to 50 |
| HOL100 | 1 to 5 | SUT101 | 1 to 5 |
| ICH003 | 1 to 5 | TRA100 | 1 to 5 |
| JER010 | 1 to 5 | TSP100 | 20 to 50 |
| JER100 | 5 to 20 | WEE100 | 5 to 20 |



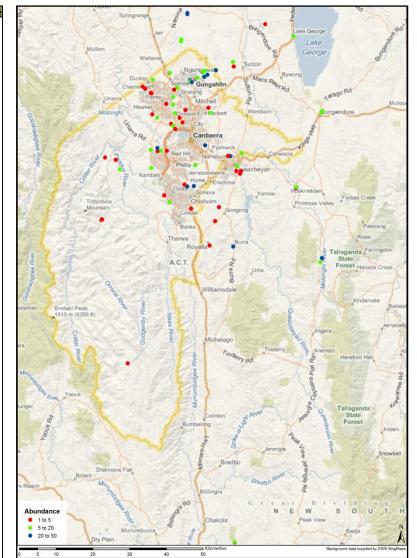
Crinia signifera¹ Common Eastern Froglet

- Variable colouration from grey-brown to reddish, and can be smooth or covered in ridges.
- Underside granular with black & white blotches.
- Length = 25-30mm.
- Call = repeated clicking "crick, crick, crick".



| Census Year | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
|------------------------------------|--------|---------|---------|---------|---------|---------|--------|---------|
| No. of sites where detected | 11 | 57 | 84 | 87 | 56 | 85 | 78 | 111 |
| % of total sites surveyed | 38 | 48 | 62 | 60 | 34 | 53 | 57 | 69 |
| Median no. of individuals observed | 1 to 5 | 5 to 20 | 1 to 5 | 5 to 20 |

| Site code | Abundance | Site code | Abundance |
|------------------|---------------------|------------------|------------------|
| ARA017 | 1 to 5 | HAL001 | 5 to 20 |
| ARA200 | 5 to 20 | HAL002 | 5 to 20 |
| ARA300 | 5 to 20 | HOL100 | 1 to 5 |
| BON100 | 5 to 20 | ICH003 | 5 to 20 |
| BUN100 | 5 to 20 | JER010 | 5 to 20 |
| BUN200 | 5 to 20 | JER100 | 20 to 50 |
| BUR350 | 5 to 20 | JER101 | 5 to 20 |
| CAV100 | 5 to 20 | JER300 | 5 to 20 |
| CBR004 | 5 to 20 | JER310 | 5 to 20 |
| CFR200 | 20 to 50 | JER320 | 5 to 20 |
| CFR300 | 5 to 20 | JER500 | 20 to 50 |
| CHC101 | 20 to 50 | KIP001 | 1 to 5 |
| CHC102 | 20 to 50 | LDM100 | 1 to 5 |
| CMC150 | 5 to 20 | LGC001 | 1 to 5 |
| CMW550 | 5 to 20 | LWP100 | 1 to 5 |
| COO001 | 1 to 5 | LWR100 | 5 to 20 |
| COO002 | 1 to 5 | MCW001 | 5 to 20 |
| CTP450 | 20 to 50 | MFL001 | 1 to 5 |
| CTT300 | 5 to 20 | MFL002 | 1 to 5 |
| DGP001 | 5 to 20 | MFL003 | 1 to 5 |
| DUF300 | 5 to 20 | MFL004 | 1 to 5 |
| FAD100 | 20 to 50 | MFL005 | 1 to 5 |
| FAD300 | 1 to 5 | MFL007 | 5 to 20 |
| FBM200 | 5 to 20 | MFL011 | 20 to 50 |
| FBM400 | 1 to 5 | MFL013 | 20 to 50 |
| FER100 | 5 to 20 | MOL150 | 5 to 20 |
| FER200 | 1 to 5 | MOL600 | 5 to 20 |
| FGC009 | 5 to 20 | MOL605 | 20 to 50 |
| FGC010 | 1 to 5 | MOL608 | 1 to 5 |
| FGC030 | 5 to 20 | MOL609 | 1 to 5 |
| FGC050 | 5 to 20 | MYA050 | 1 to 5 |
| FGC091 | 1 to 5 | ORA001 | 1 to 5 |
| FGD010 | 5 to 20 | OSR002 | 1 to 5 |
| FGD020 | 1 to 5 | OSR004 | 1 to 5 |
| FGD030 | 5 to 20 | OSR006 | 1 to 5 |
| FGD040 | 20 to 50 | PCF001 | 5 to 20 |
| FGD045 | 5 to 20 | PCF002 | 1 to 5 |
| FGW100 | 1 to 5 | PIN010 | 1 to 5 |
| FGW200 | 1 to 5 | PIN100 | 5 to 20 |
| FMC040 | 5 to 20 | PLM400 | 5 to 20 |
| FMC120 | 1 to 5 | PNG100 | 5 to 20 |
| FMC200 | 1 to 5 | PNG200 | 1 to 5 |
| FMC220 | 1 to 5 | QBN002 | 1 to 5 |
| FTB010 | 20 to 50 | QBN010 | 5 to 20 |
| FTD010 | 20 to 50 | QBN011 | 1 to 5 |
| FTD015 | 20 to 50 | QBN012 | 20 to 50 |
| FTD120 | 20 to 50 | QBN200 | 5 to 20 |
| FTD160 | 20 to 50 | RCD001 | 5 to 20 |
| FTD165 | 5 to 20 | SFF100 | 5 to 20 |
| GIN007 GIN008 | 1 to 5 | SUT100 | 5 to 20 |
| | 5 to 20 20 to 50 | SUT101 | 1 to 5 |
| GIN024 GUN100 | 20 to 50 5 to 20 | SWA100 TRA100 | 1 to 5 1 to 5 |
| | | | |
| GUN200 GUN300 | 5 to 20 5 to 20 | TSP100 UCP100 | 1 to 5 1 to 5 |
| GUN300 GUN400 | 5 to 20 1 to 5 | 000100 | 103 |
| 001400 | 1 10 5 | l | |
| | | | |

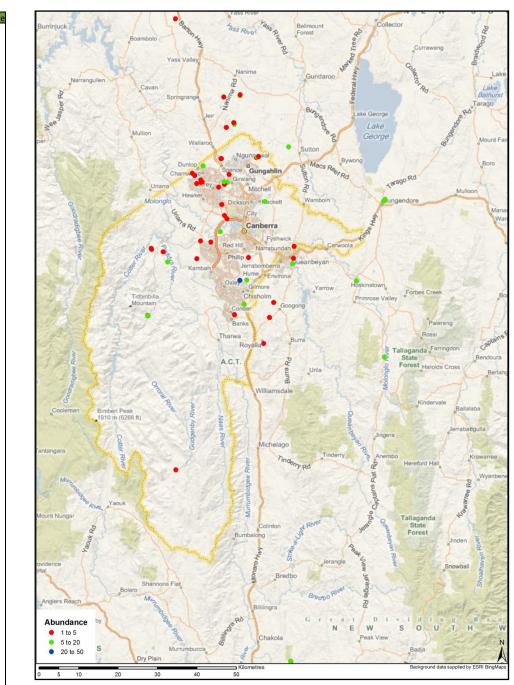




Limnodynastes dumerili¹ Eastern Banjo Frog or Pobblebonk

- Grey-brown in colour with a large glandular strip running from the top of the shoulder to the mouth.
- Sides of body with blotched markings.
- Length = up to 85mm.
- Call = repeated "bonk" or "thunk" from the water.

| Census Year | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
|------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| No. of sites where detected | 17 | 43 | 26 | 60 | 27 | 47 | 40 | 57 |
| % of total sites surveyed | 59 | 36 | 19 | 42 | 16 | 29 | 29 | 35 |
| Median no. of individuals observed | 1 to 5 |



| Med | ian no. of |
|------------------|-------------------|
| | |
| | Abundanc |
| BUN100 | 5 to 20 |
| BUN200 | 5 to 20 |
| CAV100 | 1 to 5 |
| CBR004 | 1 to 5 |
| CEQ200 | 1 to 5 |
| CFR300 CMW500 | 5 to 20 1 to 5 |
| CON100 | 5 to 20 |
| CON100 CON110 | 1 to 5 |
| COO001 | 1 to 5 |
| COO001 COO002 | 5 to 20 |
| CTP450 | 5 to 20 |
| CTT300 | 5 to 20 |
| DGP001 | 5 to 20 |
| DUF300 | 1 to 5 |
| FAD100 | 20 to 50 |
| FER200 | 1 to 5 |
| FGC009 | 1 to 5 |
| FGC030 | 1 to 5 |
| FGC040 | 1 to 5 |
| FGD040 | 1 to 5 |
| FGD045 | 1 to 5 |
| FGG010 | 5 to 20 |
| FGW200 | 1 to 5 |
| FMC040 | 1 to 5 |
| FMC200 | 5 to 20 |
| FTB010 | 1 to 5 |
| FTD015 | 1 to 5 |
| FTD120 | 5 to 20 |
| FTD165 | 5 to 20 |
| GIN007 | 1 to 5 |
| GIN024 | 1 to 5 |
| HAL001 | 1 to 5 |
| HAL002 | 1 to 5 |
| JER010 | 1 to 5 |
| JER100 | 1 to 5 |
| KIP001 | 1 to 5 |
| LWR100 | 5 to 20 |
| MCW001 | 1 to 5 |
| MCW002 | 5 to 20 |
| MFL002 | 1 to 5 |
| MFL003 | 5 to 20 |
| MFL007 | 1 to 5 |
| MOL609 | 1 to 5 |
| MYA050 | 5 to 20 |
| MYA100 | 1 to 5 |
| MYR300 | 1 to 5 |
| OSR001 | 5 to 20 |
| OSR002 | 1 to 5 |
| PCF001 | 1 to 5 |
| PCF002 | 1 to 5 |
| PLM300 | 1 to 5 |
| PNG100 | 5 to 20 |
| PNG300 | 1 to 5 |
| QBN200 | 5 to 20 |
| RCD001 | 5 to 20 |
| SUT100 | 5 to 20 |
| SWA100 | 1 to 5 |
| WEE100 | 1 to 5 |

Litoria verreauxii¹ Whistling Tree Frog

- Dark brown or black stripe in front of the eye to the base of the forelimb.
- Broad brownish mid-dorsal marking. .
- ٠ Length = 30mm.

• Call = repeated whistling "cree..., cree..., cree...".



| Census Year | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
|------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| No. of sites where detected | 5 | 14 | 32 | 11 | 30 | 33 | 32 | 34 |
| % of total sites surveyed | 17 | 12 | 24 | 8 | 18 | 21 | 23 | 21 |
| Median no. of individuals observed | 1 to 5 |

| Site code | Abundance | Ž B |
|-----------|-----------|--|
| BUN100 | 1 to 5 | Jeir Lake George |
| BUN200 | 1 to 5 | |
| BUR350 | 1 to 5 | Lake |
| CFR200 | 1 to 5 | Mullion |
| CFR300 | 5 to 20 | Mullion 2 George |
| CTP450 | 1 to 5 | Wallaroo |
| FGC009 | 1 to 5 | Sutton |
| FGC030 | 1 to 5 | Naunnawal |
| | | Buwana |
| FGG010 | 1 to 5 | Dunlop O Macs Ro |
| FGW200 | 1 to 5 | Charnwood Spence Gungahlin |
| FMC210 | 1 to 5 | Dunlop Charmwood Spence Gungahlin Giralang Uriarra Florey Mitchell |
| FTB010 | 1 to 5 | Uriarra Florey Giralang Mitchell |
| FTD015 | 1 to 5 | Mitchell |
| FTD120 | 1 to 5 | nawker |
| FTD165 | 5 to 20 | Molonglo Dickson + Ackett Wamboin Sunger |
| GIN007 | 5 to 20 | |
| | | City Canberra |
| GIN008 | 5 to 20 | |
| GIN024 | 1 to 5 | Stra Rd Canberra |
| GUN100 | 1 to 5 | O S S S S S S S S S S S S S S S S S S S |
| GUN200 | 1 to 5 | Fyshwick |
| HOL100 | 1 to 5 | Red Hill Carwoola |
| JER100 | 1 to 5 | Red Hill, Narrabundah Carwoola |
| JER100 | 1 to 5 | Red Hills Narrabundah Canwoola Phillip Kambah Jerrabomberra Queanbeyan Hume Environa |
| LGC001 | 1 to 5 | Queanbeyan |
| | | A Kambah Jerrabomberra Gueanbeyan |
| LWR100 | 5 to 20 | Hume |
| MFL001 | 1 to 5 | Hume Environa |
| MFL002 | 1 to 5 | OXIAV 3 |
| MFL007 | 1 to 5 | a out tailow of a |
| MFL011 | 5 to 20 | |
| MFL013 | 1 to 5 | May interim a second |
| MOL150 | 1 to 5 | Conder Googong |
| OSR002 | 1 to 5 | |
| SUT100 | | |
| | 1 to 5 | Banks |
| SWA100 | 1 to 5 | |
| | | Tharwa |
| | | Royalla |
| | | Royalla S Tall |
| | | |
| | | A.C.T. Pr Unita Unita |
| | | A.C.I. |
| | | e Unita of |
| | | |
| | | Q |
| | | Williamsdale |
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| | | off) Januar Agues Ri Jingera |
| | | Sft) Ingera |
| | | Aqui ass |
| | | |
| | | Tinderry & Anembo |
| | | Tinderry & Anembo |
| | | Abundance |
| | | |
| | | Abundance • 1 to 5 • 5 to 20 Kilometres Kilometres Background data supplied by ESR BringMap |
| | | Abundance 1 to 5 5 to 20 Tinderry Anembo |

Litoria peroni¹ Peron's Tree Frog



- Broad round toe discs, yellow & black mottling behind the back legs, & tiny emerald flecks on the dorsal surface.
- Length = 50mm.
- Call = loud, descending rattle or cackle.

| Census Year | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
|------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| No. of sites where detected | 3 | 27 | 36 | 44 | 28 | 52 | 31 | 57 |
| % of total sites surveyed | 10 | 23 | 26 | 31 | 17 | 33 | 23 | 35 |
| Median no. of individuals observed | 1 to 5 |

| Abundance | Boambolo Bearton Hu Collector |
|--------------------|--|
| 1 to 5 | Boambolo Banon + Bass River ass Pier Bellmount Forest Collector |
| 1 to 5 | To ass River p Forest of |
| 1 to 5 | Boambolo |
| 1 to 5 | NWW ARE AND |
| 1 to 5 | 6 |
| 1 to 5 | Yass Valley |
| 5 to 20 | |
| 1 to 5 | Nanima Gundaroo |
| 5 to 20 | n Cavan Springrange |
| 5 to 20 | Cavan |
| 5 to 20 | Springrange |
| 1 to 5 | |
| 1 to 5 | Jeir Z Bunge Lake George |
| 1 to 5 | Jeir Lake George |
| 5 to 20 | Lake |
| 1 to 5 | |
| 1 to 5 | e Ceorge |
| 5 to 20 | Wallaroo Sutton |
| 5 to 20 5 to 20 | Naunoawala |
| 5 to 20 1 to 5 | |
| 1 to 5 1 to 5 | Dunlop Charnwood® Spence Gungahlin Giralang |
| 1 to 5 1 to 5 | Charmwoode Opence Charmwoode |
| 1 to 5 1 to 5 | Elorey Port Contraction Contra |
| | Uriarra Florey, Mitchell |
| 1 to 5 | nawker |
| 5 to 20 1 to 5 | |
| 5 to 20 | City Canberra |
| 1 to 5 | |
| 5 to 20 | a Ra Canberra |
| 1 to 5 | |
| 1 to 5 | Pyshwick C |
| 5 to 20 | Red Hill Narrabundah Phillip Durabomberra Oueanbeyan Hume Environa |
| 20 to 50 | phillip • Phillip • |
| 5 to 20 | Jerrabomberra Queanbeyan |
| 5 to 20 | Ambah Jerrabomberra |
| 5 to 20 | Hume Environa |
| 5 to 20 | Oxley Gilmore Yarrow Hoskinstown |
| 20 to 50 | |
| 20 to 50 | Mountain |
| 5 to 20 | Conder Googong |
| 1 to 5 | |
| 1 to 5 | Banks |
| 1 to 5 | |
| 1 to 5 | Tharwa |
| 1 to 5 | Rovalla |
| 1 to 5 | S Talla |
| 5 to 20 | A.C.T. P& Ering Origo |
| 5 to 20 | A.C.T. Py eum Urila Urila |
| 5 to 20 | E our B |
| 1 to 5 | ā |
| 1 to 5 | Williamsdale |
| 1 to 5 | |
| 5 to 20 | AW IN CONTRACTOR |
| 1 to 5 | Abundance |
| 1 to 5 | |
| 1 to 5 | 5 to 20 20 to 50 |
| 1 to 5 | |
| | Comparison of the second data supplied by ESRI BingMaps D 2.5 5 10 15 20 25 |
| | Land Contraction of the second s |

| ivied | lian no. |
|------------------|----------------|
| Site code | Abunda |
| ARA100 | Abunda 1 to |
| ARA100 ARA200 | 1 to |
| BUN100 | 1 to |
| BUR350 | 1 to |
| CAV100 | 1 to |
| CBR003 | 1 to |
| CBR004 | 5 to 2 |
| CEQ100 | 1 to |
| CEQ200 | 5 to 2 |
| CFR200 | 5 to 2 |
| CMC150 | 5 to 2 |
| CMC600 | 1 to |
| CMW500 | 1 to |
| CTP450 | 1 to |
| DGP001 | 5 to 2 |
| DUF200 | 1 to |
| FBM200 | 1 to |
| FBM400 | 5 to 2 |
| FGD040 | 5 to 2 |
| FGD045 | 1 to |
| FMC200 | 1 to |
| FMC220 | 1 to |
| FMW010 | 1 to |
| FTD165 | 1 to |
| GUN300 | 5 to 2 |
| JER102 | 1 to |
| JER500 | 5 to 2 |
| LAW100 | 1 to |
| LDM100 | 5 to 2 |
| LWR100 | 1 to |
| MCW002 | 1 to |
| MFL001 | 5 to 2 |
| MFL002 | 20 to |
| MFL003 | 5 to 2 |
| MFL004 | 5 to 2 |
| MFL005 | 5 to 2 |
| MFL007 | 5 to 2 |
| MFL011 | 20 to |
| MFL013 | 20 to |
| MYR300 | 5 to 2 |
| OSR002 | 1 to |
| OSR003 | 1 to |
| OSR005 | 1 to |
| PCF001 | 1 to |
| PIN010 | 1 to |
| PIN100 | 1 to |
| PLM300 | 5 to 2 |
| PLM400 | 5 to 2 |
| PNG100 | 5 to 2 |
| QBN010 | 1 to |
| QBN012 | 1 to |
| QBN200 | 1 to |
| RCD001 | 5 to 2 |
| SUT100 | 1 to |
| TAL001 | 1 to |
| TRA100 | 1 to |
| WEE100 | 1 to |
| | - |

Uperoleia laevigata¹ Smooth Toadlet

- Warty appearance with an orange patch behind & in front of each thigh.
- Pale triangular patch between the eyes.
- Length = 25mm.

Site code

BON100

BUN200

CBR004

CEQ100 CEQ200

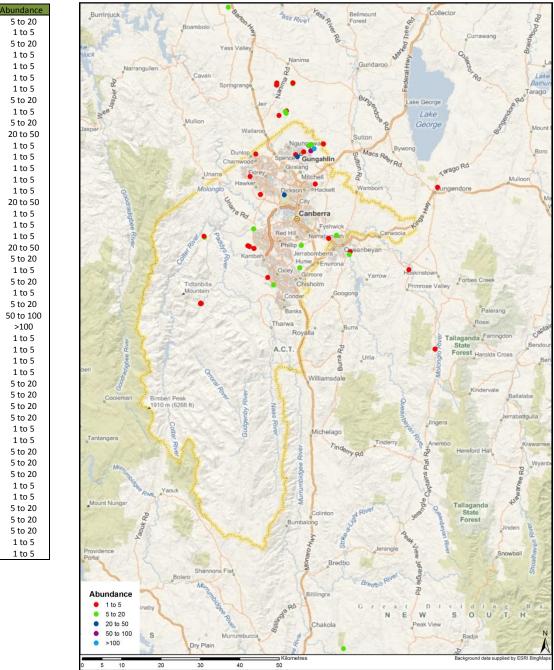
CFR200

CMC150

• Call = low pitched, drawn out "wwhhrrkkkkk".



| Census Year | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
|------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| No. of sites where detected | 3 | 27 | 36 | 44 | 28 | 52 | 31 | 47 |
| % of total sites surveyed | 10 | 23 | 26 | 31 | 17 | 33 | 23 | 29 |
| Median no. of individuals observed | 1 to 5 |



| CIVICIDO | 110 5 |
|----------|----------|
| COO001 | 5 to 20 |
| DGP001 | 1 to 5 |
| DUF300 | 5 to 20 |
| FBM400 | 20 to 5 |
| FMC220 | 1 to 5 |
| FTD015 | 1 to 5 |
| FTD120 | 1 to 5 |
| FTD165 | 1 to 5 |
| GUN100 | 1 to 5 |
| GUN300 | 20 to 5 |
| GUN400 | 1 to 5 |
| LAW100 | 1 to 5 |
| LWP100 | 1 to 5 |
| MFL001 | 20 to 5 |
| MFL002 | 5 to 20 |
| MFL003 | 1 to 5 |
| MFL004 | 5 to 20 |
| MFL005 | 1 to 5 |
| MFL007 | 5 to 20 |
| MFL011 | 50 to 10 |
| MFL013 | >100 |
| MOL600 | 1 to 5 |
| MYR100 | 1 to 5 |
| MYR300 | 1 to 5 |
| OSR002 | 1 to 5 |
| OSR003 | 5 to 20 |
| OSR005 | 5 to 20 |
| OSR006 | 5 to 20 |
| PCF001 | 5 to 20 |
| PCF002 | 1 to 5 |
| PIN100 | 1 to 5 |
| PLM400 | 5 to 20 |
| PNG100 | 5 to 20 |
| PNG200 | 5 to 20 |
| PNG300 | 1 to 5 |
| QBN002 | 1 to 5 |
| QBN010 | 5 to 20 |
| QBN012 | 5 to 20 |
| RCD001 | 5 to 20 |
| TSP100 | 1 to 5 |
| WEE100 | 1 to 5 |
| | |



Limnodynastes peronii¹ Brown Striped Frog

- Distinctive light and dark brown stripes on the dorsal surface.
- Slightly raised glandular stripe along the mouth and behind the eye.
- Length = 70mm.
- Call = single "tock" repeated.

| Census Year | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
|------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| No. of sites where detected | 3 | 8 | 8 | 19 | 14 | 33 | 10 | 27 |
| % of total sites surveyed | 10 | 7 | 6 | 13 | 8 | 21 | 7 | 17 |
| Median no. of individuals observed | 1 to 5 |

| the lite | | Gungahlin | Sutton / | ywong |
|------------------------------------|------------------|--|----------------|---|
| Uriarra | Florey | Giralang | Rd | torago Rd |
| Molonglo | Hawker | Dickson • • Hackett | Wamboin | Bungendore |
| | Hana Rd | City | and the second | - |
| 9 Sharang | TaRd | Canberra | 1 | H Start |
| D | | Red Hill | k Carwo | ola |
| -Bautys Miner | | Phillip | Queanbeyan | |
| Sunday Sunday | Kambah | Jerrabomberra Hume • Environa | | 22.1 21 |
| STREE LAST | | Oxley Gilmore Chisholm | Yarrow | Hoskinstown |
| Tidbinbilla | | Chisholm | | Primrose Valley |
| Mournain | mg cr | Conder Go | ogong | The second |
| I And St | me (| Banks | Sec. | P |
| 144 2 2 1 | L'II | narwa Pavalla | Burra | Ros |
| VIE / | 418 | Royalla | 17 | Tallaganda F |
| 42 5 3 | A | .C.T. | Urila | Tallaganda State |
| | Salari S. | Burn | 1 P | tolon |
| the second | 1 pm | Williamsdal | e | S IN S |
| 1 Bimberi Peak | iver | 2121 | The A | Kinde |
| 1910 m (6266 ft) | A Ydi | 1212 | Station . | luea |
| 8 | Sudgenby River | 5010 | | Queen the Jingera |
| Cotter River | Gu | | Tinderry | Anembo |
| Sive | 1 13 | Tinc Tinc | Tinderry Rd | Anembo Hereford H |
| CALL AND AND A | | 60 R | Call and | Plat |
| | 1 21 | Murrumbidgee River | | Anembo Hereford H Hereford H Hereford H Tallagandi State Forest |
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| | | and the second sec | nivel | Tallaganda |
| Vaouk Ra | 51 5 1 | Colinton | Just River | Jetar B Forest |
| noe | and the | | Jerangle | Re |
| T | and and a second | Amy oueuoli Bred | Jerangle | RIVE |
| 12 Mind | | Bred | 9 | Iver Stangle |
| Bolaro Shannons F | at | 20 | | Sang and |
| h May | 1 | 1125 | Breato River | le Ra |
| h Bolaro Mummbridge | | Billilingra | | |
| 7 | X. | neto Rd | Grea N | t Dividi E W S O |
| Abundance • 1 to 5 | B | Chakola | | Peak View |
| 5 to 20 20 to 50 Dry Plain | urrumbucca | Bue | 11/20 | Badja |
| To to oo | March and | 0 | | 2 |

| Site code | Abundance |
|-----------|-----------|
| ANU018 | 1 to 5 |
| ANU019 | 1 to 5 |
| ANU020 | 1 to 5 |
| CFR300 | 5 to 20 |
| CHC100 | 1 to 5 |
| CMW500 | 1 to 5 |
| COO002 | 1 to 5 |
| FGC010 | 1 to 5 |
| FGD030 | 1 to 5 |
| FGW100 | 1 to 5 |
| FGW200 | 1 to 5 |
| FMW010 | 5 to 20 |
| FTD165 | 1 to 5 |
| GIN007 | 5 to 20 |
| GIN008 | 5 to 20 |
| GIN024 | 5 to 20 |
| GUN100 | 5 to 20 |
| GUN200 | 1 to 5 |
| GUN300 | 1 to 5 |
| JER300 | 5 to 20 |
| JER310 | 1 to 5 |
| JER500 | 20 to 50 |
| LWR100 | 1 to 5 |
| MOL150 | 1 to 5 |
| MOL600 | 1 to 5 |
| QBN011 | 1 to 5 |
| TAL001 | 1 to 5 |

Neobatrachus sudelli¹

Spotted Burrowing Frog

- Squat, short-legged frog with numerous wart-like bumps that give a sand-paper appearance.
- Broad pattern of greenish-brown & darker blotches on the back.
- Length = 50mm.

ite cod

CMC600

FAD300

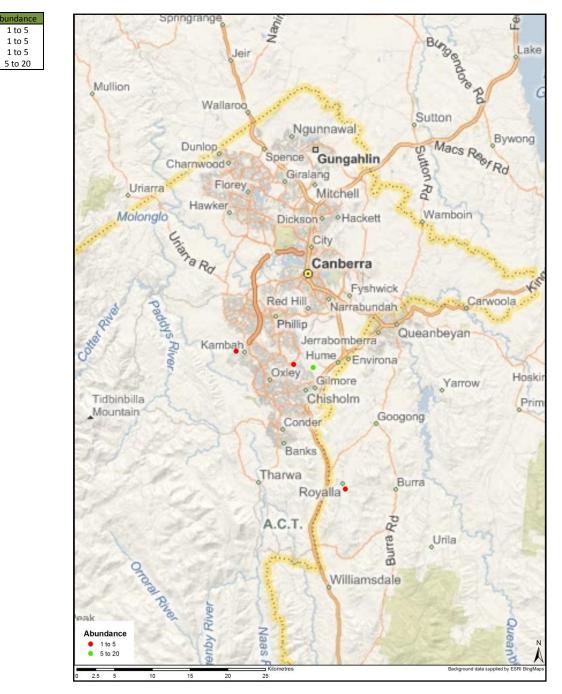
JER101

RCD001

• Call = soft, rapidly repeated clucking sounds.



| Census Year | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
|------------------------------------|------|------|--------|--------|------|------|--------|--------|
| No. of sites where detected | 0 | 0 | 2 | 2 | 0 | 0 | 1 | 4 |
| % of total sites surveyed | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 2 |
| Median no. of individuals observed | - | - | 1 to 5 | 1 to 5 | - | - | 1 to 5 | 1 to 5 |



Litoria aurea¹

Green and Golden Bell Frog

- Large green or green and brown/gold in colour.
- Smooth back and bright blue or purple on hind side of thighs.
- Length = 80mm 120mm.
- Call = soft, distinctive drawn out deep 'wrrraaaaagh wrrraaaaagh wrrrkk, wrrkkk wrrk'.

| Census Year | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 |
|------------------------------------|------|------|------|------|--------|------|------|---------|
| No. of sites where detected | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| % of total sites surveyed | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| Median no. of individuals observed | - | - | - | - | 1 to 5 | - | - | 5 to 20 |

For the second time in the eight years of the Frogwatch Census, a record of *Litoria aurea* was detected. This species was detected at one site during the 2009 census period and more than five individuals were calling. The location of the site is not publically available.

Dr Will Osborne of the University of Canberra and Dr David Hunter, Threatened Species Officer at NSW Dept of Environment and Climate Change and Water visited the site and were able to undertake an initial survey during a daytime visit. A number of individual frogs were spotted sunning themselves on the reeds (the photo above taken by David Wong at the site visit). Further survey work at the site is to be undertaken in the future.

Habitat requirements

Litoria aurea is a semi-aquatic species preferring marshes, dams and stream sides, particularly those containing bulrushes or spikerushes. According to a study by White and Pyke (1996), their optimum habitat includes water bodies which are un-shaded, free of predatory fish *Gambusia holbrooki*, have a grassy area nearby and diurnal sheltering sites available such as vegetation and/or rocks. More recently however, this species has frequently been found in disturbed sites such as disused industrial sites, brick pits, mines, recently cleared bushland or council tips.

Status and distributions

Litoria aurea is listed as Vulnerable on the ICUN (International Union for the Conservation of Nature and Natural Resources) Red list; nationally vulnerable under the EPBC (Environment Protection and Biodiversity Conservation) Act; and is listed as an Endangered Species under the NSW Threatened Species Conservation Act.

In the 1960s the species was considered to be widespread, and was distributed from the NSW north coast to eastern Victoria, including the Hunter Valley, southern highlands and Monaro districts of NSW and the ACT. From 1978 to 1981, this species virtually disappeared from the ACT and Southern Highlands region and until a few years ago was thought to be extinct in the region. In coastal areas, their distribution is patchy. Researchers believe that the declines were most likely due to the amphibian *chytrid* fungus, but that the spread of exotic fish, combined with habitat loss and climate change are also likely to be contributing.

Refereneces:

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¹ Species information taken from Lintermans, M. and Osborne, W. (2002). Wet & Wild: A Field Guide to the Freshwater Animals of the Southern Tablelands and High Country of the ACT and NSW. Canberra: Environment ACT.

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Appendix 1

Frogwatch volunteers 2009

| N. AitkenElysiaA. LaverH. RowlandsC. AllenF. FawkeE. LaverJ. RuxtonJ. ArnoldP. FawkeL. LaverJ. SantenB. AsquithF. FitzGibbonM. LaverG. SargentP. AtkinsonP. FountainP. LaverK. SchwarzL. BarnsleyD. FrenchI. LawrenceD. ShawM. BarnsleyA. GazeR. LazzariM. SimL. BarrettR. GazeI. LeeSitaG. BeaumontT. GazeC. LemannS. SkinnerN. BeaumontC. GeeN. LewisA. SmithJ. BeggR. GeeP. LilleyR. SmithJ. BirdN. GibbM. Lind & FamilyF. SpierR. BlackwellJ. GibsonC. MalamC. SuttonC. BluntK. GouldG. ManningT. SwainP. BluntK. GouldG. ManningT. SwainP. BluntK. GouldG. MarksR. TaitS. BourkeW. HallP. McClarenB. TaloniB. BrockleyS. HeimanR. McFarlaneJ. TaloniG. BuffingtonK. HendersonM. McGregorP. TaloniG. BuffingtonK. HendersonM. McGraeJ. TaloniG. BudifigtonK. HeigginsP. MedlinJ. TomkinsE. CallawayK. HigginsP. MedlinJ. TomkinsK. CallawayK. HatiukA. MorrisonC. TurtonR. CallawayK. HodgmanJ. OrzeaA. WetschM. ClarkF. HoranT. NoakesA. Wetsch </th <th>Filogwatch volunte</th> <th>613 2009</th> <th></th> <th></th> | Filogwatch volunte | 613 2009 | | |
|---|--------------------|---------------|------------------|---------------|
| J. ArnoldP. FawkeL. LaverJ. SantenB. AsquithF. FitZGibbonM. LaverG. SargentP. AtkinsonP. FountainP. LaverK. SchwarzL. BarnsleyD. FrenchI. LawrenceD. ShawM. BarnsleyA. GazeR. LazzariM. SinL. BarrettR. GazeI. LeeSitaG. BeaumontT. GazeC. LemannS. SkinnerN. BeaumontC. GeeN. LewisA. SmithJ. BirdN. GibbM. Lind & FamilyF. SpierR. BlackwellJ. GibsonC. MalamG. StephensonM. BlumeK. GillespieM. MalamC. SuttonC. BluntK. GouldG. MarksS. SydnychL. BourkeR. HallG. MarksS. SydnychL. BourkeR. HallG. MarksR. TaitS. BourkeW. HallP. McClarenB. TaloniB. BuckleyS. HeimanJ. McEwanE. TaloniB. BuckleyS. HeimanR. McFarlaneJ. TaloniG. BuffingtonK. HedersonM. McGregorP. TaloniP. BurrellJ. HibberdG. MedlinJ. TomkinsE. CallawayK. HigginsP. MedlinJ. TomkinsK. CallawayS. HodgmanF. MorisonC. TurtonR. CallawayS. HodgmanG. MosesA. WelshM. ClarkF. HoranT. NoakesL. WelshJ. ClarkeA. HorgenF. NoakesL. WelshJ. ClarkeA. HorgenF. O'LaighinT. Widdowson | N. Aitken | Elysia | A. Laver | H. Rowlands |
| B. Asquith F. FitzGibbon M. Laver G. Sargent P. Atkinson P. Fountain P. Laver K. Schwarz L. Barnsley D. French I. Lawrence D. Shaw M. Barnsley A. Gaze R. Lazzari M. Sim L. Barrett R. Gaze R. Lazzari M. Sim D. Beaumont T. Gaze C. Lemann S. Skinner N. Beaumont C. Gee N. Lewis A. Smith J. Begg R. Gee P. Lilley R. Smith J. Bird N. Gibb M. Lind & Family F. Spier R. Blackwell J. Gibson C. Malam G. Stephenson M. Blume K. Gould G. Marning T. Swain P. Blunt K. Gould G. Marks S. Sydnych L. Bourke R. Hall G. Marks R. Tait S. Bourke W. Hall P. McClaren B. Taloni B. Buckley S. Heiman J. McEwan E. Taloni B. Burckley S. Heiman P. McGragon P. Taloni B. Burckley S. Heiman P. McGragon N. Tavica < | C. Allen | F. Fawke | E. Laver | J. Ruxton |
| P. AtkinsonP. FountainP. LaverK. SchwarzL. BarnsleyD. FrenchI. LawrenceD. ShawM. BarnsleyA. GazeR. LazzariM. SimL. BarrettR. GazeI. LeeSitaG. BeaumontT. GazeC. LemannS. SkinnerN. BeaumontC. GeeN. LewisA. SmithJ. BeggR. GeeP. LilleyR. SmithJ. BirdN. GibbM. Lind & FamilyF. SpierR. BlackwellJ. GibsonC. MalamG. StephensonM. BlumeK. GillespieM. MalamC. SuttonC. BluntK. GouldG. ManningT. SwainP. BluntK. GouldG. MarksS. SydnychL. BourkeR. HallG. MarksS. SydnychL. BourkeK. HeimanJ. McEwanE. TaloniM. BrooksK. HeimanJ. McEwanE. TaloniB. BuckleyS. HeimanM. McGregorP. TaloniP. BurrellJ. HibberdJ. McRaeJ. ThompsonR. GalawayK. HigginsP. MedlinJ. ThompsonR. CallawayK. HadgmanG. MoseleyA. van KleeffY. CallawayS. HodgmanJ. MosesA. van KleeffY. CallawayS. HodgmanJ. MosesA. WastcatM. CallawayS. HodgmanJ. MosesA. WelshW. ClarkF. HoranT. NoakesA. WelshW. ClarkF. HoranT. NoakesL. WelshM. CallawayS. HodgmanJ. OrbeaA. Westcott </td <td>J. Arnold</td> <td>P. Fawke</td> <td>L. Laver</td> <td>J. Santen</td> | J. Arnold | P. Fawke | L. Laver | J. Santen |
| L. BarnsleyD. FrenchI. LawrenceD. ShawM. BarnsleyA. GazeR. LazzariM. SimL. BarrettR. GazeI. LeeSitaG. BeaumontT. GazeC. LemannS. SkinnerN. BeaumontC. GeeN. LewisA. SmithJ. BeggR. GeeP. LilleyR. SmithJ. BirdN. GibbM. Lind & FamilyF. SpierR. BlackwellJ. GibsonC. MalamC. StephensonM. BlumeK. GillespieM. MalamC. SuttonC. BluntK. GowlandA. MarksS. SydnychL. BourkeR. HallG. MarningT. SwainP. BluntK. GowlandA. MarksS. SydnychL. BourkeR. HallP. McClarenB. TaloniM. BrooksK. HeimanJ. McClarenB. TaloniB. BuckleyS. HeimanR. McGregorP. TaloniP. BurrellJ. HibberdJ. McRaeJ. ThompsonR. BurrellS. HibberdG. MedlinJ. ThompsonR. CallawayK. HigginsP. MedlinJ. TromkinsK. CallawayS. HnatiukA. MorrisonN. TravicaM. ClarkC. HopeR. NoakesA. WelshJ. ClarkeA. HorsemanJ. MoseleyA. van KleeffY. CallawayS. HodgmanJ. MoseleyA. WelshJ. ClarkeA. HorsemanJ. O'DeaA. WelshJ. ClarkeA. HorsemanJ. O'DeaA. WelshJ. ClarkeA. HorsemanJ. O'DeaA. Welsh <td>B. Asquith</td> <td>F. FitzGibbon</td> <td>M. Laver</td> <td>G. Sargent</td> | B. Asquith | F. FitzGibbon | M. Laver | G. Sargent |
| M. BarnsleyA. GazeR. LazzariM. SimL. BarrettR. GazeI. LeeSitaG. BeaumontT. GazeC. LemannS. SkinnerN. BeaumontC. GeeN. LewisA. SmithJ. BeggR. GeeP. LilleyR. SmithJ. BirdN. GibbM. Lind & FamilyF. SpierR. BlackwellJ. GibsonC. MalamG. StephensonM. BlumeK. GillespieM. MalamC. SuttonC. BluntK. GouldG. ManningT. SwainP. BluntK. GouldG. MarksR. TaitS. BourkeW. HallP. McClarenB. TaloniM. BrooksK. HeimanJ. McEwanE. TaloniB. BuckleyS. HeimanR. McGrafaneJ. ThompsonB. BurtellJ. HibberdJ. McRaeJ. ThompsonR. BurrellS. HibberdG. MedlinJ. ThompsonR. CallawayK. HatitukS. MillsK. TomkinsE. CallawayK. HatitukS. MillsK. TomkinsK. CallawayK. HodgmanG. MoseleyA. van KleeffY. CallawayS. HodgmanJ. MoseleyA. van KleeffY. CallawayS. HodgmanJ. O'DeaA. WestcottM. ClarkC. HopeR. NaeksA. WestcottM. ClarkC. HopeR. NaeksA. WestcottM. CallawayS. HodgmanJ. O'DeaA. WestcottM. ClarkC. HopeR. NaeksA. WestcottM. ClarkC. HopeR. NaeksA. Westcott | P. Atkinson | P. Fountain | P. Laver | K. Schwarz |
| L. BarrettR. GazeI. LeeSitaG. BeaumontT. GazeC. LemannS. SkinnerN. BeaumontC. GeeN. LewisA. SmithJ. BeggR. GeeP. LilleyR. SmithJ. BirdN. GibbM. Lind & FamilyF. SpierR. BlackwellJ. GibsonC. MalamG. StephensonM. BlumeK. GillespieM. MalamC. SuttonC. BluntK. GouldG. ManningT. SwainP. BluntK. GowlandA. MarksS. SydnychL. BourkeR. HallG. MarksR. TaitS. BourkeW. HallP. McClarenB. TaloniM. BrooksK. HeimanJ. McEwanE. TaloniB. BuckleyS. HeimanR. McFarlaneJ. TaloniB. BurrellJ. HibberdJ. McRaeJ. ThompsonA. CallawayK. HeiginsP. MedlinJ. ThompsonA. CallawayK. HatiukS. MillsK. TomkinsK. CallawayK. HatiukS. MillsK. TomkinsK. CallawayS. HodgmanG. MoseleyA. van KleeffY. CallawayS. HodgmanJ. O'DeaA. WestcottM. ClarkC. HopeR. NaakesA. WelshM. ClarkeA. HorsemanJ. O'DeaA. WestcottM. ClarkeA. HorsemanJ. O'DeaA. WestcottM. ClarkeA. HorsemanJ. O'DeaA. WestcottM. ClarkeA. HorsemanJ. O'DeaA. WestcottM. ClarkeA. HorsemanJ. O'DeaA. Westcot | L. Barnsley | D. French | I. Lawrence | D. Shaw |
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| J. BirdN. GibbM. Lind & FamilyF. SpierR. BlackwellJ. GibsonC. MalamG. StephensonM. BlumeK. GolldG. ManningT. SwainP. BluntK. GouldG. ManningT. SwainP. BluntK. GouldA. MarksS. SydnychL. BourkeR. HallG. MarksR. TaitS. BourkeW. HallP. McClarenB. TaloniB. BuckleyS. HeimanJ. McEwanE. TaloniB. BuckleyS. HeimanR. McFarlaneJ. TaloniG. BuffingtonK. HendersonM. McGregorP. TaloniP. BurrellJ. HibberdJ. McRaeJ. ThompsonR. BurrellS. HibberdG. MedlinJ. TomkinsE. CallawayR. HnatiukS. MillsK. TomkinsK. CallawayS. HnatiukA. MorrisonN. TravicaM. CallawayS. HodgmanP. MorrisonC. TurtonR. CallawayS. HodgmanJ. MoseleyA. van KleeffY. CallawayS. HodgmanJ. MoseleyK. WaddellM. ClarkC. HopeR. NoakesA. WelshJ. ClarkeA. HorsemanJ. O'DeaA. WestcottM. CloughJ. IrelandK. O'DeaJ. WiddowsonC. ConstanceP. JalowenkoF. O'LaighinT. WiddowsonC. Craig-SmithL. JenkinsE. OlsonJ. WilkinsL. CrawleyH. JerigenE. OlsonJ. WilkinsN. CubbK. KefousS. OwenN. WilliamsS. Cuthbertson <td< td=""><td>N. Beaumont</td><td>C. Gee</td><td>N. Lewis</td><td>A. Smith</td></td<> | N. Beaumont | C. Gee | N. Lewis | A. Smith |
| R. BlackwellJ. GibsonC. MalamG. StephensonM. BlumeK. GillespieM. MalamC. SuttonC. BluntK. GouldG. ManningT. SwainP. BluntK. GowlandA. MarksS. SydnychL. BourkeR. HallG. MarksR. TaitS. BourkeW. HallP. McClarenB. TaloniM. BrooksK. HeimanJ. McEwanE. TaloniB. BuckleyS. HeimanR. McFarlaneJ. TaloniG. BuffingtonK. HendersonM. McGregorP. TaloniP. BurrellJ. HibberdJ. McRaeJ. ThompsonR. BurrellS. HibberdG. MedlinJ. TomkinsE. CallawayK. HigginsP. MedlinJ. TomkinsK. CallawayR. HnatiukS. MillsK. TomkinsK. CallawayK. HidgmanG. MoseleyA. van KleeffY. CallawayS. HodgmanJ. MoseleyK. WaddellM. ClarkC. HopeR. NoakesA. WelshW. ClarkF. HoranJ. O'DeaA. WestcottM. CloughJ. IrelandK. O'DeaJ. WiddowsonC. Craig-SmithL. JenkinsE. OliverB. WilkenH. CrawleyD. KayP. O'NeilC. WilliamsL. CrawleyD. KayP. O'NeilC. WilliamsS. CuthbertsonE. KeightleyF. PickW. WilliamsL. CrawleyD. KayP. O'NeilC. WilliamsS. CuthbertsonE. KeightleyF. PickW. WilliamsB. CuthbertsonE. K | J. Begg | R. Gee | P. Lilley | R. Smith |
| M. BlumeK. GillespieM. MalamC. SuttonC. BluntK. GouldG. ManningT. SwainP. BluntK. GowlandA. MarksS. SydnychL. BourkeR. HallG. MarksR. TaitS. BourkeW. HallP. McClarenB. TaloniM. BrooksK. HeimanJ. McEwanE. TaloniB. BuckleyS. HeimanR. McGragonP. TaloniB. BuckleyS. HeimanR. McGragonP. TaloniG. BuffingtonK. HendersonM. McGregorP. TaloniP. BurrellJ. HibberdJ. McRaeJ. ThompsonR. BurrellS. HibberdG. MedlinJ. ThompsonA. CallawayK. HigginsP. MedlinJ. TomkinsK. CallawayR. HnatiukS. MillsK. TomkinsK. CallawayK. HodgmanP. MorrisonC. TurtonR. CallawayM. HodgmanG. MoseleyA. van KleeffY. CallawayS. HodgmanJ. MoseleyK. WaddellM. ClarkC. HopeR. NoakesA. WelshJ. ClarkeA. HorsemanJ. O'DeaA. WestcottM. CloughJ. IrelandK. O'DeaJ. WiddowsonC. Craig-SmithL. JenkinsE. OlisonJ. WilkinsL. CrawleyD. KayP. O'NeilC. WilliamsN. CubbK. KefousS. OwenN. WilliamsS. CuthbertsonE. KeightleyF. PickW. WilliamsZ. CuthbertsonE. KeightleyF. PickD. WoollcombeB. DaviesS. | J. Bird | N. Gibb | M. Lind & Family | F. Spier |
| C. BluntK. GouldG. ManningT. SwainP. BluntK. GowlandA. MarksS. SydnychL. BourkeR. HallG. MarksR. TaitS. BourkeW. HallP. McClarenB. TaloniM. BrooksK. HeimanJ. McEwanE. TaloniB. BuckleyS. HeimanR. McFarlaneJ. TaloniG. BuffingtonK. HendersonM. McGregorP. TaloniP. BurrellJ. HibberdJ. McRaeJ. ThompsonR. BurrellS. HibberdG. MedlinJ. TomkinsE. CallawayK. HigginsP. MedlinJ. TomkinsK. CallawayR. HnatiukS. MillsK. TomkinsK. CallawayS. HnatiukS. MillsK. TomkinsK. CallawayL. HodgmanP. MorrisonC. TurtonR. CallawayS. HodgmanJ. MoseleyA. van KleeffY. CallawayS. HodgmanJ. O'DeaA. WetshW. ClarkF. HoranT. NoakesL. WelshJ. ClarkeA. HorsemanJ. O'DeaA. WestcottM. ClarkJ. JerlandK. O'DeaJ. WildowsonC. ConstanceP. JalowenkoF. O'LaighinT. WiddowsonC. CrawleyD. KayP. O'NeilC. WilliamsB. CuthbertsonE. KeightleyF. PickW. WilliamsB. CuthbertsonE. KeightleyF. PickD. WoilliamsB. CuthbertsonE. KeightleyF. PickD. WoilliamsB. CuthbertsonE. KeightleyF. PickD. WoilliamsB | R. Blackwell | J. Gibson | C. Malam | G. Stephenson |
| P. BluntK. GowlandA. MarksS. SydnychL. BourkeR. HallG. MarksR. TaitS. BourkeW. HallP. McClarenB. TaloniM. BrooksK. HeimanJ. McEwanE. TaloniB. BuckleyS. HeimanR. McFarlaneJ. TaloniG. BuffingtonK. HendersonM. McGregorP. TaloniP. BurrellJ. HibberdJ. McRaeJ. ThompsonR. CallawayK. HigginsP. MedlinJ. ThompsonA. CallawayR. HnatiukS. MillsK. TomkinsK. CallawayS. HnatiukA. MorrisonN. TravicaM. CallawayL. HodgmanP. MorrisonC. TurtonR. CallawayM. HodgmanG. MoseleyA. van KleeffY. CallawayS. HodgmanJ. O'DeaA. WestcottM. ClarkF. HoranT. NoakesL. WelshJ. ClarkeA. HorsemanJ. O'DeaA. WestcottM. CloughJ. IrelandK. O'DeaJ. WildowsonC. Craig-SmithL. JerkinsE. OliverB. WilkenH. CrawleyH. JerjenE. OlsonJ. WilkinsL. CrawleyD. KayP. O'NeilC. WilliamsS. CuthbertsonE. KeightleyF. PickW. WilliamsB. CuthbertsonE. KeightleyF. PickD. WoollcombeK. DaceT. KhanX. PickL. WoollcombeK. DaceT. KhanS. Radoll1st MurrumbatemanD. DriscollA. KoskinenS. Radoll1st MurrumbatemanJ. | M. Blume | K. Gillespie | M. Malam | C. Sutton |
| L. Bourke R. Hall G. Marks R. Tait S. Bourke W. Hall P. McClaren B. Taloni M. Brooks K. Heiman J. McEwan E. Taloni B. Buckley S. Heiman R. McFarlane J. Taloni G. Buffington K. Henderson M. McGregor P. Taloni P. Burrell J. Hibberd J. McRae J. Thompson R. Burrell S. Hibberd G. Medlin J. Thompson A. Callaway K. Higgins P. Medlin J. Tomkins E. Callaway R. Hnatiuk S. Mills K. Tomkins K. Callaway S. Hnatiuk A. Morrison N. Travica M. Callaway E. Hodgman P. Morrison C. Turton R. Callaway M. Hodgman P. Morrison C. Turton R. Callaway S. Hongman G. Moseley A. van Kleeff Y. Callaway S. Hodgman J. Moseley K. Waddell M. Clark C. Hope R. Noakes A. Welsh J. Clark F. Horan T. Noakes L. Welsh J. Clarke A. Horseman J. O'Dea A. Westcott M. Clough J. Ireland K. O'Dea J. Widdowson C. Constance P. Jalowenko F. O'Laighin T. Widdowson C. Craig-Smith L. Jenkins E. Oliver B. Wilken H. Crawley H. Jerjen E. Olson J. Wilkins S. Cuthbertson B. Kefous S. Owen N. Williams B. Cuthbertson B. Kefous S. Owen N. Williams J. Cubb K. Kefous S. Owen N. Williams J. Cubb K. Kefous S. Owen N. Williams J. Cuthbertson B. Kertesz R. Pick D. Woollcombe K. Dace T. Khan X. Pick L. Woollcombe K. Dace T. Khan X. Pick L. Woollcombe B. Davies S. Knight C. Raderschall S. Wright B. Driscoll A. Koskinen S. Radoll 1st Murrumbateman J. Dryzek A. Lashko T. Roan Scouts (12) | C. Blunt | K. Gould | G. Manning | T. Swain |
| S. BourkeW. HallP. McClarenB. TaloniM. BrooksK. HeimanJ. McEwanE. TaloniB. BuckleyS. HeimanR. McFarlaneJ. TaloniG. BuffingtonK. HendersonM. McGregorP. TaloniP. BurrellJ. HibberdJ. McRaeJ. ThompsonR. BurrellS. HibberdG. MedlinJ. ThompsonA. CallawayK. HigginsP. MedlinJ. TomkinsE. CallawayR. HnatiukS. MillsK. TomkinsK. CallawayS. HnatiukA. MorrisonN. TravicaM. CallawayL. HodgmanP. MorrisonC. TurtonR. CallawayM. HodgmanG. MoseleyA. van KleeffY. CallawayS. HodgmanJ. MoseleyK. WaddellM. ClarkC. HopeR. NoakesA. WelshW. ClarkF. HoranT. NoakesL. WelshJ. ClarkeA. HorsemanJ. O'DeaA. WestcottM. CloughJ. IrelandK. O'DeaJ. WiddowsonC. ConstanceP. JalowenkoF. O'LaighinT. WiddowsonC. Craig-SmithL. JenkinsE. OlisonJ. WilkinsL. CrawleyD. KayP. O'NeilC. WilliamsN. CubbK. KefousS. OwenN. WilliamsJ. CuthbertsonE. KeightleyF. PickW. WilliamsZ. CuthbertsonB. KerteszR. PickD. WoollcombeK. DaceT. KhanX. PickL. WoollcombeK. DaceT. KhanS. Radoll1st MurrumbatemanD | P. Blunt | K. Gowland | A. Marks | S. Sydnych |
| M. BrooksK. HeimanJ. McEwanE. TaloniB. BuckleyS. HeimanR. McFarlaneJ. TaloniG. BuffingtonK. HendersonM. McGregorP. TaloniP. BurrellJ. HibberdJ. McRaeJ. ThompsonR. BurrellS. HibberdG. MedlinJ. ThompsonA. CallawayK. HigginsP. MedlinJ. TomkinsE. CallawayR. HnatiukS. MillsK. TomkinsK. CallawayS. HnatiukA. MorrisonN. TravicaM. CallawayL. HodgmanP. MorrisonC. TurtonR. CallawayM. HodgmanG. MoseleyA. van KleeffY. CallawayS. HodgmanJ. O'DeaA. WelshM. ClarkC. HopeR. NoakesA. WelshJ. ClarkeA. HorsemanJ. O'DeaA. WestcottM. CloughJ. IrelandK. O'DeaJ. WiddowsonC. Craig-SmithL. JenkinsE. OliverB. WilkenH. CrawleyD. KayP. O'NeilC. WilliamsN. CubbK. KefousS. OwenN. WilliamsB. CuthbertsonE. KeightleyF. PickW. WilliamsZ. CuthbertsonB. KerteszR. PickD. WoollcombeK. DaceT. KhanX. PickL. WoollcombeB. DaviesS. KnightC. RaderschallS. WrightB. DaviesS. KnightC. RaderschallS. WrightB. DaviesS. KnightS. Radoll1st MurrumbatemanJ. DriscollJ. LansdowneS. Richard1st Murrumbateman | L. Bourke | R. Hall | G. Marks | R. Tait |
| B. BuckleyS. HeimanR. McFarlaneJ. TaloniG. BuffingtonK. HendersonM. McGregorP. TaloniP. BurrellJ. HibberdJ. McRaeJ. ThompsonR. BurrellS. HibberdG. MedlinJ. ThompsonA. CallawayK. HigginsP. MedlinJ. TomkinsE. CallawayR. HnatiukS. MillsK. TomkinsK. CallawayS. HnatiukA. MorrisonN. TravicaM. CallawayL. HodgmanP. MorrisonC. TurtonR. CallawayM. HodgmanG. MoseleyA. van KleeffY. CallawayS. HodgmanJ. MoseleyK. WaddellM. ClarkC. HopeR. NoakesA. WelshV. ClarkF. HoranT. NoakesL. WelshJ. ClarkeA. HorsemanJ. O'DeaA. WestcottM. CloughJ. IrelandK. O'DeaJ. WilkenH. CrawleyH. JerjenE. OliverB. WilkenH. CrawleyH. JerjenE. OlsonJ. WilkinsL. CrawleyD. KayP. O'NeilC. WilliamsS. CuthbertsonE. KeightleyF. PickW. WilliamsZ. CuthbertsonB. KerteszR. PickD. WoollcombeK. DaceT. KhanX. PickL. WoollcombeB. DaviesS. KnightC. RaderschallS. WrightB. DriscollA. KoskinenS. Radoll1st MurrumbatemanJ. DryzekA. LashkoT. RoanScouts (12) | S. Bourke | W. Hall | P. McClaren | B. Taloni |
| G. BuffingtonK. HendersonM. McGregorP. TaloniP. BurrellJ. HibberdJ. McRaeJ. ThompsonR. BurrellS. HibberdG. MedlinJ. ThompsonA. CallawayK. HigginsP. MedlinJ. TomkinsE. CallawayR. HnatiukS. MillsK. TomkinsK. CallawayS. HnatiukA. MorrisonN. TravicaM. CallawayL. HodgmanP. MorrisonC. TurtonR. CallawayM. HodgmanG. MoseleyA. van KleeffY. CallawayS. HodgmanJ. MoseleyK. WaddellM. ClarkC. HopeR. NoakesA. WelshW. ClarkF. HoranT. NoakesL. WelshJ. ClarkeA. HorsemanJ. O'DeaA. WestcottM. CloughJ. IrelandK. O'DeaJ. WiddowsonC. Craig-SmithL. JenkinsE. OliverB. WilkenH. CrawleyH. JerjenE. OlsonJ. WilkinsL. CrawleyD. KayP. O'NeilC. WilliamsN. CubbK. KefousS. OwenN. WilliamsB. CuthbertsonE. KeightleyF. PickW. WilliamsS. CuthbertsonB. KerteszR. PickD. WoollcombeK. DaceT. KhanX. PickL. WoollcombeB. DaviesS. KnightC. RaderschallS. WrightB. DriscollA. KoskinenS. Radoll1st MurrumbatemanJ. DriscollJ. LansdowneS. Richard1st MurrumbatemanJ. DryzekA. LashkoT. RoanScouts (12) <td>M. Brooks</td> <td>K. Heiman</td> <td>J. McEwan</td> <td>E. Taloni</td> | M. Brooks | K. Heiman | J. McEwan | E. Taloni |
| P. BurrellJ. HibberdJ. McRaeJ. ThompsonR. BurrellS. HibberdG. MedlinJ. ThompsonA. CallawayK. HigginsP. MedlinJ. TomkinsE. CallawayR. HnatiukS. MillsK. TomkinsK. CallawayS. HnatiukA. MorrisonN. TravicaM. CallawayL. HodgmanP. MorrisonC. TurtonR. CallawayL. HodgmanG. MoseleyA. van KleeffY. CallawayM. HodgmanG. MoseleyK. WaddellM. ClarkC. HopeR. NoakesA. WelshW. ClarkF. HoranT. NoakesL. WelshJ. ClarkeA. HorsemanJ. O'DeaA. WestcottM. CloughJ. IrelandK. O'DeaJ. WiddowsonC. ConstanceP. JalowenkoF. O'LaighinT. WiddowsonC. Craig-SmithL. JenkinsE. OliverB. WilkenH. CrawleyH. JerjenE. OlsonJ. WilkinsL. CrawleyD. KayP. O'NeilC. WilliamsN. CubbK. KefousS. OwenN. WilliamsB. CuthbertsonE. KeightleyF. PickW. WilliamsZ. CuthbertsonB. KerteszR. PickD. WoollcombeK. DaceT. KhanX. PickL. WoollcombeB. DaviesS. KnightC. RaderschallS. WrightB. DriscollA. KoskinenS. Radoll1st MurrumbatemanC. DriscollV. KurzS. RaeCubs (18)D. DryzekA. LashkoT. RoanScouts (12) <td>B. Buckley</td> <td>S. Heiman</td> <td>R. McFarlane</td> <td>J. Taloni</td> | B. Buckley | S. Heiman | R. McFarlane | J. Taloni |
| R. BurrellS. HibberdG. MedlinJ. ThompsonA. CallawayK. HigginsP. MedlinJ. TomkinsE. CallawayR. HnatiukS. MillsK. TomkinsK. CallawayS. HnatiukA. MorrisonN. TravicaM. CallawayL. HodgmanP. MorrisonC. TurtonR. CallawayM. HodgmanG. MoseleyA. van KleeffY. CallawayS. HodgmanJ. MoseleyK. WaddellM. ClarkC. HopeR. NoakesA. WelshW. ClarkF. HoranT. NoakesL. WelshJ. ClarkeA. HorsemanJ. O'DeaA. WestcottM. CloughJ. IrelandK. O'DeaJ. WiddowsonC. ConstanceP. JalowenkoF. O'LaighinT. WiddowsonC. Craig-SmithL. JenkinsE. OliverB. WilkenH. CrawleyH. JerjenE. OlsonJ. WilkinsL. CrawleyD. KayP. O'NeilC. WilliamsN. CubbK. KefousS. OwenN. WilliamsS. CuthbertsonE. KeightleyF. PickW. WilliamsZ. CuthbertsonB. KerteszR. PickL. WoollcombeK. DaceT. KhanX. PickL. WoollcombeB. DaviesS. KnightC. RaderschallS. WrightB. DriscollV. KurzS. RaeCubs (18)D. DriscollJ. LansdowneS. Richard1st MurrumbatemanJ. DryzekA. LashkoT. RoanScouts (12) | - | | M. McGregor | P. Taloni |
| A. CallawayK. HigginsP. MedlinJ. TomkinsE. CallawayR. HnatiukS. MillsK. TomkinsK. CallawayS. HnatiukA. MorrisonN. TravicaM. CallawayL. HodgmanP. MorrisonC. TurtonR. CallawayM. HodgmanG. MoseleyA. van KleeffY. CallawayS. HodgmanJ. MoseleyK. WaddellM. ClarkC. HopeR. NoakesA. WelshW. ClarkF. HoranT. NoakesL. WelshJ. ClarkeA. HorsemanJ. O'DeaA. WestcottM. CloughJ. IrelandK. O'DeaJ. WiddowsonC. ConstanceP. JalowenkoF. O'LaighinT. WiddowsonC. Craig-SmithL. JenkinsE. OliverB. WilkenH. CrawleyH. JerjenE. OlsonJ. WilliamsL. CrawleyD. KayP. O'NeilC. WilliamsN. CubbK. KefousS. OwenN. WilliamsB. CuthbertsonE. KeightleyF. PickW. WilliamsZ. CuthbertsonB. KerteszR. PickD. WoollcombeK. DaceT. KhanX. PickL. WoollcombeB. DaviesS. KnightC. RaderschallS. WrightB. DriscollV. KurzS. RaeCubs (18)D. DriscollJ. LansdowneS. Richard1st MurrumbatemanJ. DryzekA. LashkoT. RoanScouts (12) | P. Burrell | | | J. Thompson |
| E. CallawayR. HnatiukS. MillsK. TomkinsK. CallawayS. HnatiukA. MorrisonN. TravicaM. CallawayL. HodgmanP. MorrisonC. TurtonR. CallawayM. HodgmanG. MoseleyA. van KleeffY. CallawayS. HodgmanJ. MoseleyK. WaddellM. ClarkC. HopeR. NoakesA. WelshW. ClarkF. HoranT. NoakesL. WelshJ. ClarkeA. HorsemanJ. O'DeaA. WestcottM. CloughJ. IrelandK. O'DeaJ. WiddowsonC. ConstanceP. JalowenkoF. O'LaighinT. WiddowsonC. Craig-SmithL. JenkinsE. OliverB. WilkenH. CrawleyH. JerjenE. OlsonJ. WilkinsL. CrawleyD. KayP. O'NeilC. WilliamsN. CubbK. KefousS. OwenN. WilliamsB. CuthbertsonE. KeightleyF. PickW. WilliamsZ. CuthbertsonB. KerteszR. PickD. WoollcombeK. DaceT. KhanX. PickL. WoollcombeB. DaviesS. KnightC. RaderschallS. WrightB. DriscollA. KoskinenS. RaeCubs (18)D. DriscollJ. LansdowneS. Richard1st MurrumbatemanJ. DryzekA. LashkoT. RoanScouts (12) | R. Burrell | S. Hibberd | | • |
| K. CallawayS. HnatiukA. MorrisonN. TravicaM. CallawayL. HodgmanP. MorrisonC. TurtonR. CallawayM. HodgmanG. MoseleyA. van KleeffY. CallawayS. HodgmanJ. MoseleyK. WaddellM. ClarkC. HopeR. NoakesA. WelshW. ClarkF. HoranT. NoakesL. WelshJ. ClarkeA. HorsemanJ. O'DeaA. WestcottM. CloughJ. IrelandK. O'DeaJ. WiddowsonC. ConstanceP. JalowenkoF. O'LaighinT. WiddowsonC. Craig-SmithL. JenkinsE. OliverB. WilkenH. CrawleyH. JerjenE. OlsonJ. WilkinsL. CrawleyD. KayP. O'NeilC. WilliamsN. CubbK. KefousS. OwenN. WilliamsS. CuthbertsonE. KeightleyF. PickW. WilliamsZ. CuthbertsonB. KerteszR. PickD. WoollcombeK. DaceT. KhanX. PickL. WoollcombeB. DaviesS. KnightC. RaderschallS. WrightB. DriscollA. KoskinenS. RaeCubs (18)D. DriscollJ. LansdowneS. Richard1st MurrumbatemanJ. DryzekA. LashkoT. RoanScouts (12) | • | | | |
| M. CallawayL. HodgmanP. MorrisonC. TurtonR. CallawayM. HodgmanG. MoseleyA. van KleeffY. CallawayS. HodgmanJ. MoseleyK. WaddellM. ClarkC. HopeR. NoakesA. WelshW. ClarkF. HoranT. NoakesL. WelshJ. ClarkeA. HorsemanJ. O'DeaA. WestcottM. CloughJ. IrelandK. O'DeaJ. WiddowsonC. ConstanceP. JalowenkoF. O'LaighinT. WiddowsonC. Craig-SmithL. JenkinsE. OliverB. WilkenH. CrawleyH. JerjenE. OlsonJ. WilkinsL. CrawleyD. KayP. O'NeilC. WilliamsN. CubbK. KefousS. OwenN. WilliamsB. CuthbertsonE. KeightleyF. PickW. WilliamsZ. CuthbertsonB. KerteszR. PickD. WoollcombeK. DaceT. KhanX. PickL. WoollcombeB. DaviesS. KnightC. RaderschallS. WrightB. DriscollA. KoskinenS. RaeCubs (18)D. DriscollJ. LansdowneS. Richard1st MurrumbatemanJ. DryzekA. LashkoT. RoanScouts (12) | • | | S. Mills | K. Tomkins |
| R. CallawayM. HodgmanG. MoseleyA. van KleeffY. CallawayS. HodgmanJ. MoseleyK. WaddellM. ClarkC. HopeR. NoakesA. WelshW. ClarkF. HoranT. NoakesL. WelshJ. ClarkeA. HorsemanJ. O'DeaA. WestcottM. CloughJ. IrelandK. O'DeaJ. WiddowsonC. ConstanceP. JalowenkoF. O'LaighinT. WiddowsonC. Craig-SmithL. JenkinsE. OliverB. WilkenH. CrawleyH. JerjenE. OlsonJ. WilkinsL. CrawleyD. KayP. O'NeilC. WilliamsN. CubbK. KefousS. OwenN. WilliamsB. CuthbertsonE. KeightleyF. PickW. WilliamsZ. CuthbertsonB. KerteszR. PickD. WoollcombeB. DaviesS. KnightC. RaderschallS. WrightB. DriscollA. KoskinenS. RaeCubs (18)D. DriscollJ. LansdowneS. Richard1st MurrumbatemanJ. DryzekA. LashkoT. RoanScouts (12) | • | | A. Morrison | |
| Y. CallawayS. HodgmanJ. MoseleyK. WaddellM. ClarkC. HopeR. NoakesA. WelshW. ClarkF. HoranT. NoakesL. WelshJ. ClarkeA. HorsemanJ. O'DeaA. WestcottM. CloughJ. IrelandK. O'DeaJ. WiddowsonC. ConstanceP. JalowenkoF. O'LaighinT. WiddowsonC. Craig-SmithL. JenkinsE. OliverB. WilkenH. CrawleyH. JerjenE. OlsonJ. WilkinsL. CrawleyD. KayP. O'NeilC. WilliamsN. CubbK. KefousS. OwenN. WilliamsB. CuthbertsonE. KeightleyF. PickW. WilliamsZ. CuthbertsonB. KerteszR. PickD. WoollcombeK. DaceT. KhanX. PickL. WoollcombeB. DaviesS. KnightC. RaderschallS. WrightB. DriscollA. KoskinenS. RaeCubs (18)D. DriscollJ. LansdowneS. Richard1st MurrumbatemanJ. DryzekA. LashkoT. RoanScouts (12) | • | - | | |
| M. ClarkC. HopeR. NoakesA. WelshW. ClarkF. HoranT. NoakesL. WelshJ. ClarkeA. HorsemanJ. O'DeaA. WestcottM. CloughJ. IrelandK. O'DeaJ. WiddowsonC. ConstanceP. JalowenkoF. O'LaighinT. WiddowsonC. Craig-SmithL. JenkinsE. OliverB. WilkenH. CrawleyH. JerjenE. OlsonJ. WilkinsL. CrawleyD. KayP. O'NeilC. WilliamsN. CubbK. KefousS. OwenN. WilliamsB. CuthbertsonE. KeightleyF. PickW. WilliamsZ. CuthbertsonB. KerteszR. PickD. WoollcombeK. DaceT. KhanX. PickL. WoollcombeB. DaviesS. KnightC. RaderschallS. WrightB. DriscollA. KoskinenS. RaeCubs (18)D. DriscollJ. LansdowneS. Richard1st MurrumbatemanJ. DryzekA. LashkoT. RoanScouts (12) | • | _ | • | |
| W. ClarkF. HoranT. NoakesL. WelshJ. ClarkeA. HorsemanJ. O'DeaA. WestcottM. CloughJ. IrelandK. O'DeaJ. WiddowsonC. ConstanceP. JalowenkoF. O'LaighinT. WiddowsonC. Craig-SmithL. JenkinsE. OliverB. WilkenH. CrawleyH. JerjenE. OlsonJ. WilkinsL. CrawleyD. KayP. O'NeilC. WilliamsN. CubbK. KefousS. OwenN. WilliamsB. CuthbertsonE. KeightleyF. PickW. WilliamsZ. CuthbertsonB. KerteszR. PickD. WoollcombeK. DaceT. KhanX. PickL. WoollcombeB. DaviesS. KnightC. RaderschallS. WrightB. DriscollA. KoskinenS. RaeCubs (18)D. DriscollJ. LansdowneS. Richard1st MurrumbatemanJ. DryzekA. LashkoT. RoanScouts (12) | • | - | • | |
| J. ClarkeA. HorsemanJ. O'DeaA. WestcottM. CloughJ. IrelandK. O'DeaJ. WiddowsonC. ConstanceP. JalowenkoF. O'LaighinT. WiddowsonC. Craig-SmithL. JenkinsE. OliverB. WilkenH. CrawleyH. JerjenE. OlsonJ. WilkinsL. CrawleyD. KayP. O'NeilC. WilliamsN. CubbK. KefousS. OwenN. WilliamsB. CuthbertsonE. KeightleyF. PickW. WilliamsZ. CuthbertsonB. KerteszR. PickD. WoollcombeK. DaceT. KhanX. PickL. WoollcombeB. DaviesS. KnightC. RaderschallS. WrightB. DriscollV. KurzS. RaeCubs (18)D. DriscollJ. LansdowneS. Richard1st MurrumbatemanJ. DryzekA. LashkoT. RoanScouts (12) | | | | |
| M. CloughJ. IrelandK. O'DeaJ. WiddowsonC. ConstanceP. JalowenkoF. O'LaighinT. WiddowsonC. Craig-SmithL. JenkinsE. OliverB. WilkenH. CrawleyH. JerjenE. OlsonJ. WilkinsL. CrawleyD. KayP. O'NeilC. WilliamsN. CubbK. KefousS. OwenN. WilliamsB. CuthbertsonE. KeightleyF. PickW. WilliamsZ. CuthbertsonB. KerteszR. PickD. WoollcombeK. DaceT. KhanX. PickL. WoollcombeB. DaviesS. KnightC. RaderschallS. WrightB. DriscollA. KoskinenS. RaeCubs (18)D. DriscollJ. LansdowneS. Richard1st MurrumbatemanJ. DryzekA. LashkoT. RoanScouts (12) | | | | |
| C. ConstanceP. JalowenkoF. O'LaighinT. WiddowsonC. Craig-SmithL. JenkinsE. OliverB. WilkenH. CrawleyH. JerjenE. OlsonJ. WilkinsL. CrawleyD. KayP. O'NeilC. WilliamsN. CubbK. KefousS. OwenN. WilliamsB. CuthbertsonE. KeightleyF. PickW. WilliamsZ. CuthbertsonB. KerteszR. PickD. WoollcombeK. DaceT. KhanX. PickL. WoollcombeB. DaviesS. KnightC. RaderschallS. WrightB. DriscollA. KoskinenS. RaeCubs (18)D. DriscollJ. LansdowneS. Richard1st MurrumbatemanJ. DryzekA. LashkoT. RoanScouts (12) | | | | |
| C. Craig-SmithL. JenkinsE. OliverB. WilkenH. CrawleyH. JerjenE. OlsonJ. WilkinsL. CrawleyD. KayP. O'NeilC. WilliamsN. CubbK. KefousS. OwenN. WilliamsB. CuthbertsonE. KeightleyF. PickW. WilliamsZ. CuthbertsonB. KerteszR. PickD. WoollcombeK. DaceT. KhanX. PickL. WoollcombeB. DaviesS. KnightC. RaderschallS. WrightB. DriscollA. KoskinenS. Radoll1st MurrumbatemanC. DriscollJ. LansdowneS. Richard1st MurrumbatemanJ. DryzekA. LashkoT. RoanScouts (12) | | | | |
| H. CrawleyH. JerjenE. OlsonJ. WilkinsL. CrawleyD. KayP. O'NeilC. WilliamsN. CubbK. KefousS. OwenN. WilliamsB. CuthbertsonE. KeightleyF. PickW. WilliamsZ. CuthbertsonB. KerteszR. PickD. WoollcombeK. DaceT. KhanX. PickL. WoollcombeB. DaviesS. KnightC. RaderschallS. WrightB. DriscollA. KoskinenS. Radoll1st MurrumbatemanC. DriscollJ. LansdowneS. Richard1st MurrumbatemanJ. DryzekA. LashkoT. RoanScouts (12) | | | - | |
| L. CrawleyD. KayP. O'NeilC. WilliamsN. CubbK. KefousS. OwenN. WilliamsB. CuthbertsonE. KeightleyF. PickW. WilliamsZ. CuthbertsonB. KerteszR. PickD. WoollcombeK. DaceT. KhanX. PickL. WoollcombeB. DaviesS. KnightC. RaderschallS. WrightB. DriscollA. KoskinenS. Radoll1st MurrumbatemanC. DriscollJ. LansdowneS. Richard1st MurrumbatemanJ. DryzekA. LashkoT. RoanScouts (12) | - | | | |
| N. CubbK. KefousS. OwenN. WilliamsB. CuthbertsonE. KeightleyF. PickW. WilliamsZ. CuthbertsonB. KerteszR. PickD. WoollcombeK. DaceT. KhanX. PickL. WoollcombeB. DaviesS. KnightC. RaderschallS. WrightB. DriscollA. KoskinenS. Radoll1st MurrumbatemanC. DriscollV. KurzS. RaeCubs (18)D. DriscollJ. LansdowneS. Richard1st MurrumbatemanJ. DryzekA. LashkoT. RoanScouts (12) | • | • | | |
| B. CuthbertsonE. KeightleyF. PickW. WilliamsZ. CuthbertsonB. KerteszR. PickD. WoollcombeK. DaceT. KhanX. PickL. WoollcombeB. DaviesS. KnightC. RaderschallS. WrightB. DriscollA. KoskinenS. Radoll1st MurrumbatemanC. DriscollV. KurzS. RaeCubs (18)D. DriscollJ. LansdowneS. Richard1st MurrumbatemanJ. DryzekA. LashkoT. RoanScouts (12) | • | • | | |
| Z. CuthbertsonB. KerteszR. PickD. WoollcombeK. DaceT. KhanX. PickL. WoollcombeB. DaviesS. KnightC. RaderschallS. WrightB. DriscollA. KoskinenS. Radoll1st MurrumbatemanC. DriscollV. KurzS. RaeCubs (18)D. DriscollJ. LansdowneS. Richard1st MurrumbatemanJ. DryzekA. LashkoT. RoanScouts (12) | | | | |
| K. DaceT. KhanX. PickL. WoollcombeB. DaviesS. KnightC. RaderschallS. WrightB. DriscollA. KoskinenS. Radoll1st MurrumbatemanC. DriscollV. KurzS. RaeCubs (18)D. DriscollJ. LansdowneS. Richard1st MurrumbatemanJ. DryzekA. LashkoT. RoanScouts (12) | | | | |
| B. DaviesS. KnightC. RaderschallS. WrightB. DriscollA. KoskinenS. Radoll1st MurrumbatemanC. DriscollV. KurzS. RaeCubs (18)D. DriscollJ. LansdowneS. Richard1st MurrumbatemanJ. DryzekA. LashkoT. RoanScouts (12) | | | | |
| B. DriscollA. KoskinenS. Radoll1st MurrumbatemanC. DriscollV. KurzS. RaeCubs (18)D. DriscollJ. LansdowneS. Richard1st MurrumbatemanJ. DryzekA. LashkoT. RoanScouts (12) | | | | |
| C. DriscollV. KurzS. RaeCubs (18)D. DriscollJ. LansdowneS. Richard1st MurrumbatemanJ. DryzekA. LashkoT. RoanScouts (12) | | - | | - |
| D. DriscollJ. LansdowneS. Richard1st MurrumbatemanJ. DryzekA. LashkoT. RoanScouts (12) | | | | |
| J. Dryzek A. Lashko T. Roan Scouts (12) | | | | |
| | | | | |
| K. Dryzek D. Lassam S. Kobertson | | | | Scouts (12) |
| | к. Dryzek | D. Lassam | S. KODERTSON | |

Appendix 2

Site location details – October 2009

Note: sites listed in red are Key Frogwatch sites (see page 3 for more detail).

| Site Code | Site Name | State | Observers | Monitoring | Latitude | Longitude |
|-----------|---|-------|--|-------------------|----------|-----------|
| | | | | Occasions 2009 | | |
| ANU018 | Sullivan's Creek | ACT | R. Tait | 1 | -35.2819 | 149.1121 |
| ANU019 | Western Bank | ACT | R. Tait | 1 | -35.2797 | 149.1151 |
| ANU020 | Sullivan's Creek, western side of creek | ACT | E. Olson | 2 | -35.2796 | 149.1169 |
| ANU021 | Sullivan's Creek | ACT | E. Olson | 2 | -35.2779 | 149.1191 |
| ANU023 | Sullivan's Creek, downstream of Barry Drive | ACT | E. Olson | 1 | -35.2754 | 149.1235 |
| ARA017 | Backyard Pond, Araba St, Aranda | ACT | S. Robertson | 1 | -35.2643 | 149.0836 |
| ARA100 | Farm Dam | ACT | K. & J. O'Dea | 2 | -35.2764 | 149.0779 |
| ARA200 | Large Dam North of ARA100 | ACT | J. Arnold | 1 | -35.2730 | 149.0775 |
| ARA300 | Carne Creek Aranda | ACT | M. Clark, J. & R Dryzek | 1 | -35.2746 | 149.0862 |
| BON100 | Stranger Pond, Bonython | ACT | K. Dace, V. Kurz | 3 | -35.4291 | 149.0733 |
| BUN100 | Elmslea Water Quality Ponds, Bungendore | NSW | S. Radoll & J. Bird | 3 | -35.2502 | 149.4448 |
| BUN200 | Elmslea Estate Pond, Bungendore | NSW | S. Radoll & J. Bird | 3 | -35.2472 | 149.4476 |
| BUR300 | Private property Pond | NSW | J. Ireland | 9 | -35.5167 | 149.2292 |
| BUR350 | Private property Dam | NSW | J. Ireland | 9 | -35.5175 | 149.2294 |
| CAV100 | Caves Quarry Dam, Peirce's Creek Forest | ACT | S. & R. Hnatiuk | 1 | -35.3447 | 148.9420 |
| CBR001 | Callum Brae Site 1 | ACT | J. Begg | 1 | -35.3567 | 149.1409 |
| CBR002 | Callum Brae Site 2 | ACT | J. Begg | 1 | -35.3571 | 149.1395 |
| CBR003 | Callum Brae Site 3 | ACT | J. Begg | 1 | -35.3573 | 149.1376 |
| CBR004 | Callum Brae Site 4 | ACT | J. Begg | 1 | -35.3555 | 149.1367 |
| CEQ100 | Canberra Equestrian Centre | ACT | A. & L. Welsh, H. & L. Crawley | 3 | -35.3563 | 149.0150 |
| CEQ200 | Canberra Equestrian Centre | ACT | A. & L. Welsh, H. & L. Crawley | 3 | -35.3577 | 149.0188 |
| CFR200 | Hodgman property, large dam | NSW | L. & S. Hodgman | 2 | -35.5487 | 149.4420 |
| CFR300 | Molonglo River. Just off Captains Flat Rd | NSW | S., L. & M. Hodgman | 2 | -35.5401 | 149.4463 |
| CHC100 | Calvary Hopsital Drain at overflow adjacent to path | ACT | R. Tait & D. French | 1 | -35.2513 | 149.0872 |
| CHC101 | Calvary Hopsital Drain - approx 100m west of outflow | ACT | R. Tait & D. French | 1 | -35.2513 | 149.0865 |
| CHC102 | Calvary Hopsital Drain - adjacent to Goldsworthy place, 75m south of CMC101 | ACT | R. Tait & D. French | 1 | -35.2517 | 149.0864 |
| CMC100 | Cooleman Ridge, Old Dam | ACT | H. & L. Crawley | 3 | -35.3570 | 149.0263 |
| CMC150 | Cooleman Ridge, Tank Dam | ACT | H. & L. Crawley | 2 | -35.3610 | 149.0285 |
| CMC600 | Mt Neighbour Horse Paddock Dam | ACT | V. Kurz, H. & L. Crawley | 4 | -35.3813 | 149.0414 |
| CMC700 | Vikings BMX Park, Kambah | ACT | S. & K. Heiman | 3 | -35.3712 | 149.0549 |
| CMC750 | Fisher Dam, Fisher | ACT | S. & K. Heiman | 3 | -35.3699 | 149.0565 |
| CMW500 | Stromlo Gross pollutant trap | ACT | H. & L. Crawley, E. Keightley & G. Manning | 2 | -35.3268 | 149.0511 |
| CMW550 | Adjacent to Weston Creek Gross Pollutant Trap | ACT | H. & L. Crawley | 1 | -35.3267 | 149.0520 |
| CON100 | Condor Wetlands, pond A | ACT | P. & C. Blunt, N. & W. Williams, H. Rowlands | 1 | -35.4622 | 149.1057 |
| CON110 | Condor Wetlands, pond B | ACT | P. & C. Blunt, N. & W. Williams, H. Rowlands | 1 | -35.4615 | 149.1046 |
| | | | | | | |

| Site Code | Site Name | State | Observers | Monitoring Occasions | Latitude | Longitude |
|-----------|--|-------|--|-------------------------|----------|-----------|
| COO001 | Frog pond Koskinen Property Cooma | NSW | A. Koskinen | 2009 2 | -36.1033 | 149.2329 |
| COO002 | Dam at Koskinen Property Cooma | NSW | A. Koskinen | 1 | -36.1021 | 149.2326 |
| CTP450 | Murrays Corner | ACT | M. Blume & F. Horan, J. Begg | 2 | -35.3636 | 148.9521 |
| CTT300 | Upper Tuggeranong Creek Theodore | ACT | B. Wilken & C. Williams | 2 | -35.4423 | 149.1264 |
| DGP001 | Dunlop Grasslands Dam | ACT | C. Lemann, C. & M. Malam | 4 | -35.1850 | 149.0332 |
| DUF200 | Narrabundah Hill, North Dam | ACT | E. Keightley & G. Manning | 1 | -35.3320 | 149.0241 |
| DUF300 | Bushfire Memorial Dam | ACT | E. Keightley & G. Manning | 1 | -35.3246 | 149.0278 |
| FAD100 | Fadden Hills Silt Pond | ACT | J. Begg, A., K., R., E., Y. & M. Callaway | 2 | -35.3980 | 149.1170 |
| FAD300 | Wanniassa Hills Dam | ACT | J. Begg, B. Buckley, K. Higgins & J. Wilkins | 6 | -35.3942 | 149.1098 |
| FBM200 | Black Mountain Storage Yard Pool | ACT | S. Rae | 1 | -35.2703 | 149.1053 |
| FBM300 | Black Mountain Path Pool | ACT | S. Rae | 1 | -35.2703 | 149.1053 |
| FBM400 | Black Mountain Dam | ACT | D., C. & B. Driscoll | 2 | -35.2612 | 149.0982 |
| FER100 | Fernhill Tech Park, Bruce | ACT | J. Arnold | 1 | -35.2397 | 149.0908 |
| FER200 | Jerrabomberra Creek Bridge - Fernleigh Park | ACT | B. Davies, W. Hall, M. Brooks, B., E., J. & P. Taloni, T. Khan | 1 | -35.4390 | 149.1943 |
| FGC009 | Jarramlee Pond (Dunlop Pond 1) | ACT | D. Lassam, F. & P. Fawke | 4 | -35.2031 | 149.0140 |
| FGC010 | Lake Ginninderra & College Creek | ACT | С. Норе | 3 | -35.2258 | 149.0821 |
| FGC030 | Gooromon Ponds Creek, Dunlop | ACT | D. Lassam, D. Driscoll, F. & P. Fawke | 5 | -35.1988 | 149.0083 |
| FGC040 | Lake Ginninderra | ACT | C. Sutton | 2 | -35.2246 | 149.0689 |
| FGC050 | Pantowora Rd Creek | ACT | J. Arnold | 1 | -35.2351 | 149.0817 |
| FGC091 | Ginninderra Creek, at Macgregor, via Crago Place | ACT | L. Jenkins & D. Lassam | 3 | -35.2125 | 149.0154 |
| FGD010 | Lake Ginninderra West side | ACT | C. Sutton | 2 | -35.2331 | 149.0655 |
| FGD020 | Oconnor Ridge Dam | ACT | C. Allen | 1 | -35.2456 | 149.1123 |
| FGD030 | Australian Institute of Sport, Drain near bike path | ACT | D. & L. Woollcombe | 1 | -35.2415 | 149.1053 |
| FGD040 | Aranda Paddock Large Dam | ACT | P. Lilley & S. Robertson, S. Knight & N. Lewis | 4 | -35.2772 | 149.0823 |
| FGD045 | Aranda Bushland Dam | ACT | P. Fountain & I. Lee | 1 | -35.2833 | 149.0872 |
| FGG010 | Giralang Ponds | ACT | D. Kay | 3 | -35.2156 | 149.0883 |
| FGW100 | Board Walk Bog | ACT | R. Smith & P. O'Neil | 3 | -35.2122 | 149.0295 |
| FGW200 | Herron Creek | ACT | R. Smith & P. O'Neil | 3 | -35.2112 | 149.0280 |
| FLO200 | Stormwater drainage channel, cnr Ginninderra Drive and Kingsford Smith Drive, Florey | ACT | J. McEwan, Elysia & Sita | 3 | -35.2187 | 149.0447 |
| FMC040 | Buttles Creek | NSW | S. Skinner | 1 | -35.3569 | 148.8749 |
| FMC120 | Mt Majura Drainage Line, Downstream swamp near | ACT | K. Henderson & T. Swain | 1 | -35.2510 | 149.1688 |
| FMC200 | transact pole Mt Majura Dam, bottom, via McKenzie St. | ACT | L. & M. Barnsley, J. Gibson, J. Ruxton, M. Clough | 4 | -35.2510 | 149.1745 |
| FMC210 | Mt Majura Nature Reserve Top Dam | ACT | J. Gibson, J. Ruxton, M. Clough | 1 | -35.2506 | 149.1769 |
| FMC220 | Mt Majura Dam | ACT | Z. & B. Cuthbertson, A. & P. Morrison, J. Gibson, J. Ruxton, M. Clough, T. Roan & C. Raderschall | 3 | -35.2412 | 149.1688 |
| FMW010 | David St Wetlands, O'Connor | ACT | Z. & B. Cuthbertson, A. & P. Morrison, J. & S. Hibberd | 4 | -35.2633 | 149.1239 |
| FTB010 | Bogong Creek, Namadgi National Park | ACT | M. Lind & family | 2 | -35.7491 | 148.9713 |
| FTD010 | Rippers Pond, Tidbinbilla Nature Reserve | ACT | J. McRae | 1 | -35.4645 | 148.9063 |

| FTDD15 Vets Centre, TNR - changed from ACT F. Spier, G. Stephenson, J. & T. Widdowson, M. 1 -35.4630 148. Rippers Pond as no access since Sanctuary built 2007 Craig-Smith, J. Thompson & J. McRae - FTD120 Boardwalk Pond, Tidbinbilla ACT F. Spier, G. Stephenson, J. & T. Widdowson, M. 2 -35.4641 148. Mature Reserve Craig Smith, J. Thompson B. J. McRae - - - - - 35.4548 148. FTD160 Barbeque Swamp, Tidbinbilla ACT F. Spier, G. Stephenson, J. & T. Widdowson, M. 1 -35.4548 148. Reserve Craig-Smith, J. Thompson B. J. McRae - - - - - 35.4626 148. Reserve Craig-Smith, J. Thompson B. J. McRae - - - - - 35.4626 148. - - 35.2217 149. GW100 Fleetwood Smith St, Backyard ACT P. Burrell & N. Altken 2 - - 35.2011 149. GW1000 Ginniderra creek, footbridge ACT | Site Code | Site Name | State | Observers | Monitoring Occasions 2009 | Latitude | Longitude |
|---|-----------|--|-------|--|---------------------------------|----------|-----------|
| FTD120 Boardwalk Pond, Tidbinbilla ACT F. Spier, G. Stephenson, J. & T. Widdowson, M. 2 -35.4641 148. FTD160 Barbeque Swamp, Tidbinbilla ACT F. Spier, G. Stephenson, J. & T. Widdowson, M. 1 -35.4548 148. FTD165 Bottom Dam, Tidbinbilla Nature ACT F. Spier, G. Stephenson, J. & T. Widdowson, M. 1 -35.4548 148. FTD165 Bottom Dam, Tidbinbilla Nature ACT F. Spier, G. Stephenson, J. & T. Widdowson, M. 1 -35.4548 148. Reserve Sim, K., R. & E Callaway, K. Gould, S. Mills, C. Craig-Smith, J. Thompson & J. McRae -35.1821 149. GBV100 Fleetwood Smith St, Backyard ACT G. Medlin 2 -35.207 149. GBV100 Ginninderra Creek, dwnstream ACT A. R. & T. Gaze & B. Asquith 2 -35.2011 149. MU100 Ginngahlin Scout Hall Dam ACT A. R. & T. Gaze & B. Asquith 2 -35.2011 149. GUN200 Burghing School Pond ACT A. Smith 2 -35.1861 149. GUN200 | FTD015 | Rippers Pond as no access since | ACT | Sim, K., R. & E Callaway, K. Gould, S. Mills, C. | | -35.4630 | 148.9072 |
| FTD160 Barbeque Swamp, Tidbinbilla ACT F, Spier, G. Stephenson, J. & T. Widdowson, M. 1 -33.4548 148. FTD165 Bottom Dam, Tidbinbilla Nature ACT F, Spier, G. Stephenson, J. & T. Widdowson, M. 1 -35.4568 148. FTD165 Bottom Dam, Tidbinbilla Nature ACT F, Spier, G. Stephenson, J. & T. Widdowson, M. 1 -35.4636 148. GRV100 Fleetwood Smith St, Backyard ACT G. Medlin 2 -35.1821 149. GRV006 Fleetwood Smith St, Backyard ACT A. R. & T. Gaze & B. Asquith 2 -35.2177 149. GR0007 Ginninderra creek, odownstream ACT A. R. & T. Gaze & B. Asquith 2 -35.2011 149. GIN008 Ginninderra Creek outside ACT A. R. & T. Gaze & B. Asquith 2 -35.2158 149. GIN004 Gingping Stones Crossing, Ginninderra Creek outside ACT A. Smith 2 -35.1861 149. GUN200 Burgmann Anglican School Pond ACT A. Smith 3 -35.1900 149. | FTD120 | Boardwalk Pond, Tidbinbilla | ACT | F. Spier, G. Stephenson, J. & T. Widdowson, M. Sim, K., R. & E Callaway, K. Gould, S. Mills, C. | 2 | -35.4641 | 148.9069 |
| FTD165 Bottom Dam, Tidbinbilla Nature ACT F. Spier, G. Stephenson, J. & T. Widdowson, M. 1 -35.4636 148. GBY100 Fleetwood Smith St, Backyard ACT G. Medlin 2 -35.1821 149. GFW100 Fleetwood Smith St, Backyard ACT G. Medlin 2 -35.1821 149. GFW006 Ginninderra Creek, Footbridge ACT P. Burrell & N. Atken 2 -35.2077 149. of Barton Hwy FGC006. Ginninderra Creek, downstream ACT A. R. & T. Gaze & B. Asquith 2 -35.2007 149. GIN008 Ginninderra Creek outside ACT A. R. & T. Gaze & B. Asquith 2 -35.2011 149. GUN100 Gungahin Scout Hall Dam ACT A. Smith P. O'Neil, K. Gillespie & K. Schwarz 4 -35.1881 149. GUN200 Burgmann Anglican School. A. Smith 3 -35.1801 149. GUN400 Gundaroo / Horsepark Drive ACT A. Smith 3 -35.1801 149. GUN400 Gundaroo / Horsepark Dr | FTD160 | | ACT | F. Spier, G. Stephenson, J. & T. Widdowson, M. Sim, K., R. & E Callaway, K. Gould, S. Mills, C. | 1 | -35.4548 | 148.9203 |
| GBY100 Fleetwood Smith St, Backyard ACT G. Medlin 2 -35.1821 149. GFW006 Ginninderra Creek, Footbridge near Spain PI Exatt. Previously FGC006. ACT P. Burrell & N. Aitken 2 -35.2077 149. GIN007 Ginninderra Creek, downstream ACT A. R. & T. Gaze & B. Asquith 2 -35.2007 149. GIN008 Ginninderra Creek outside Nature Park ACT A. R. & T. Gaze & B. Asquith 2 -35.2011 149. GIN008 Ginninderra Creek outside Nature Park ACT A. Smith & P. O'Neil, K. Gillespie & K. Schwarz 4 -35.2158 149. GUN200 Burgmann Anglican School Pond ACT A. Smith 2 -35.1882 149. GUN300 Pond in the paddock south east ACT A. Smith 3 -35.1810 149. GUN400 Guaganan Anglican School G G -35.1810 149. GUN400 Guaganan Anglican School G ACT A. Smith 1 -35.1810 149. HAL001 Halkotekt (private pond) | FTD165 | | ACT | F. Spier, G. Stephenson, J. & T. Widdowson, M. Sim, K., R. & E Callaway, K. Gould, S. Mills, C. | 1 | -35.4636 | 148.9084 |
| GFW006 Ginninderra Creek, Footbridge near Spain PI Evatt. Previously FGC006. ACT P. Burrell & N. Aitken 2 -35.2177 149. GIN007 Ginninderra Creek, downstream of Barton Hwy ACT A. R. & T. Gaze & B. Asquith 2 -35.2007 149. GIN008 Ginninderra creek, downstream ACT A. R. & T. Gaze & B. Asquith 2 -35.2011 149. GIN008 Ginninderra Creek outside Nature Park ACT A. R. & T. Gaze & B. Asquith 2 -35.2158 149. GUN000 Gungahin Scout Hall Dam ACT A. Smith 2 -35.1861 149. GUN300 Pord in the paddock south east ACT A. Smith 3 -35.1822 149. GUN400 Gundaroo / Horsepark Drive Ponds ACT A. Smith 3 -35.1800 149. HAC100 Rivett St, Hackett (private pond) ACT K. Henderson & T. Swain 1 -35.1810 149. HAL001 Halls Creek Pong Club ACT G. & P. Medlin 3 -35.1713 149. HAL002 Halls Creek Pong Club ACT G. | GBY100 | | ACT | o · · · | 2 | -35.1821 | 149.0847 |
| of Barton Hwy GIN008 Ginninderra Creek outside ACT A., R. & T. Gaze & B. Asquith 2 -35.2011 149. GIN024 Stepping Stones Crossing, Ginninderra Creek ACT R. Smith & P. O'Neil, K. Gillespie & K. Schwarz 4 -35.2158 149. GUN100 Gungahlin Scout Hall Dam ACT A. Smith 2 -35.1861 149. GUN200 Burgmann Anglican School Pond ACT A. Smith 3 -35.1882 149. GUN400 Gundaroo / Horsepark Drive ACT A. Smith 3 -35.1810 149. GUN400 Rivett St, Hackett (private pond) ACT A. Smith 1 -35.1810 149. HAL001 Halls Creek Showground Bridge ACT K. Henderson & T. Swain 1 -35.2469 149. HAL002 Halls Creek Pong Club ACT G. & P. Medlin 3 -35.1713 149. HAL004 Halls Creek Pong Club ACT M. Clough 1 -35.2377 149. HAL002 Halls Creek Nong Club AC | GFW006 | Ginninderra Creek, Footbridge near Spain Pl Evatt. Previously | ACT | P. Burrell & N. Aitken | 2 | -35.2177 | 149.0613 |
| Nature Park GIN02 Stepping Stones Crossing, GUN100 ACT R. Smith & P. O'Neil, K. Gillespie & K. Schwarz 4 -35.2158 149. GUN100 Gungahlin Scout Hall Dam ACT A. Smith 2 -35.1861 149. GUN200 Burgmann Anglican School Pond ACT A. Smith 3 -35.1882 149. GUN300 Pond in the paddock south east of Burgmann Anglican School. ACT A. Smith 3 -35.1810 149. GUN400 Gundaroo / Horsepark Drive Ponds ACT A. Smith 1 -35.1810 149. HAC100 Rivett St, Hackett (private pond) ACT K. Henderson & T. Swain 1 -35.2469 149. HAL001 Halls Creek Showground Bridge ACT G. & P. Medlin 3 -35.1713 149. HAN100 Backyard pond Ainslie ACT M. Clough 1 -35.2679 149. HA1010 Holder drainage channel ACT F. Keightley & G. Manning 1 -35.2677 149. ICH003 Illoura Creek bel | GIN007 | | ACT | A. R. & T. Gaze & B. Asquith | 2 | -35.2007 | 149.0925 |
| Ginninderra CreekGUN100Gungahlin Scout Hall DamACTA. Smith2-35.1861149.GUN200Burgmann Anglican School PondACTA. Smith3-35.1882149.GUN300Pond in the paddock south eastACTA. Smith3-35.1800149.GUN400Gundaroo / Horsepark Drive PondsACTA. Smith1-35.1810149.GUN400Gundaroo / Horsepark Drive PondsACTA. Smith1-35.2469149.HAC100Rivett St, Hackett (private pond)ACTK. Henderson & T. Swain1-35.2469149.HAL001Halls Creek Showground BridgeACTG. & P. Medlin3-35.1715149.HAL002Halls Creek Pong ClubACTG. & P. Medlin3-35.1713149.HOL100Holder drainage channelACTK. Keiphtley & G. Manning1-35.2637149.HOL100Holder drainage channelACTF. Keightley & G. Manning1-35.3267149.IER001Ilerabomberra Creek ClidNSWD. Shaw1-35.2176149.JER100Jerrabomberra Creek OldNSWD. Shaw1-35.5151149.JER101Jerrabomberra Creek at Barrett'sNSWS. Owen, S. Richard, J. Santen, S. Sydnych3-35.5151149.JER101Jerrabomberra Creek at CreekNSWL. Barrett1-35.35151149.JER200Jerrabomberra Dairy Creek - Mill ACT CreekF. | GIN008 | | ACT | A., R. & T. Gaze & B. Asquith | 2 | -35.2011 | 149.0918 |
| GUN200Burgmann Anglican School PondACTA. Smith3-35.1882149.GUN300Pond in the paddock south eastACTA. Smith3-35.1900149.of Burgmann Anglican School.GUN400Gundaroo / Horsepark Drive PondsACTA. Smith1-35.1810149.HAC100Rivett St, Hackett (private pond)ACTK. Henderson & T. Swain1-35.2469149.HAL001Halls Creek Showground BridgeACTG. & P. Medlin3-35.1715149.HAL002Halls Creek Pong ClubACTG. & P. Medlin3-35.1713149.HAL003Halls Creek Pong ClubACTM. Clough1-35.2537149.HOL100Holder drainage channelACTK. Kefous1-35.3267149.ICH003Illoura Creek bolow bridgeACTK. Kefous1-35.468149.JER010Jerrabomberra Creek Old Barrett'sNSWD. Shaw1-35.4668149.JER100Jerrabomberra Creek at Barrett'sNSWS. Owen, S. Richard, J. Santen, S. Sydnych3-35.151149.JER101Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.35151149.JER300Jerrabomberra Dairy Creek - Mill ACTF. O'Laighin & R. Lazzari Creek2-35.3353149.CreekJerrabomberra Dairy Creek - Mill ACTF. O'Laighin & R. Lazzari Creek2-35.3351149.JER300Jerrabomberra Dairy Creek - | GIN024 | | ACT | R. Smith & P. O'Neil, K. Gillespie & K. Schwarz | 4 | -35.2158 | 149.0284 |
| GUN300Pond in the paddock south east of Burgmann Anglican School.ACTA. Smith3-35.1900149.GUN400Gundaroo / Horsepark Drive PondsACTA. Smith1-35.1810149.HAC100Rivett St, Hackett (private pond)ACTK. Henderson & T. Swain1-35.2469149.HAL001Halls Creek Showground BridgeACTG. & P. Medlin3-35.1715149.HAL002Halls Creek Pong ClubACTG. & P. Medlin3-35.1713149.HAL002Halls Creek Pong ClubACTG. & P. Medlin3-35.1713149.HAL003Backyard pond AinslieACTM. Clough1-35.2537149.HOL100Holder drainage channelACTK. Kefous1-35.3267149.ICH003Illoura Creek below bridgeACTK. Kefous1-35.3267149.JBR101Jerrabomberra Creek Old Cooma RdNSWD. Shaw1-35.4668149.JER100Jerrabomberra Creek at Barrett'sNSWS. Owen, S. Richard, J. Santen, S. Sydnych3-35.151149.JER100Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.35151149.JER300Jerrabomberra Dairy Creek - Mill ACTF. O'Laighin & R. Lazzari Creek2-35.3351149.JER300Jerrabomberra Dairy Creek - Mill ACTF. O'Laighin & R. Lazzari Creek2-35.3351149.JER300Jerrabomberra Dairy Creek - Mill | GUN100 | Gungahlin Scout Hall Dam | ACT | A. Smith | 2 | -35.1861 | 149.1238 |
| of Burgmann Anglican School. GUN400 Gundaroo / Horsepark Drive Ponds ACT A. Smith 1 -35.1810 149. HAC100 Rivett St, Hackett (private pond) ACT K. Henderson & T. Swain 1 -35.2469 149. HAL001 Halls Creek Showground Bridge ACT G. & P. Medlin 3 -35.1715 149. HAL002 Halls Creek Pong Club ACT G. & P. Medlin 3 -35.1713 149. HAL000 Backyard pond Ainslie ACT M. Clough 1 -35.237 149. HOL100 Holder drainage channel ACT K. Kefous 1 -35.3267 149. ICH003 Illoura Creek below bridge ACT K. Kefous 1 -35.3267 149. JBT001 Melba BMX track. Stormwater tributary ACT P. & R. Burrell & N. Aitken 2 -35.2176 149. JBR100 Jerrabomberra Creek at Motary NSW D. Shaw 1 -35.4668 149. JER100 Jerrabomberra Creek at Barrett's NSW | GUN200 | Burgmann Anglican School Pond | ACT | A. Smith | 3 | -35.1882 | 149.1251 |
| Ponds HAC100 Rivett St, Hackett (private pond) ACT K. Henderson & T. Swain 1 -35.2469 149. HAL001 Halls Creek Showground Bridge ACT G. & P. Medlin 3 -35.1715 149. HAL002 Halls Creek Pong Club ACT G. & P. Medlin 3 -35.1713 149. HAL000 Backyard pond Ainslie ACT G. & P. Medlin 3 -35.3277 149. HOL100 Holder drainage channel ACT K. Kefous 1 -35.3267 149. ICH003 Illoura Creek below bridge ACT K. Kefous 1 -35.3267 149. JBR001 Melba BMX track. Stormwater ACT P. & R. Burrell & N. Aitken 2 -35.2176 149. JER010 Jerrabomberra Creek Old NSW D. Shaw 1 -35.4668 149. JER104 Jerrabomberra Creek at Barrett's NSW S. Owen, S. Richard, J. Santen, S. Sydnych Barrett's 3 -35.5151 149. JER104 <thjerrabomberra at<br="" creek="">Barrett's N</thjerrabomberra> | GUN300 | • | ACT | A. Smith | 3 | -35.1900 | 149.1279 |
| HAL001Halls Creek Showground BridgeACTG. & P. Medlin3-35.1715149.HAL002Halls Creek Pong ClubACTG. & P. Medlin3-35.1713149.HAL002Halls Creek Pong ClubACTM. Clough1-35.2537149.HAL001Backyard pond AinslieACTM. Clough1-35.3277149.HOL100Holder drainage channelACTE. Keightley & G. Manning1-35.3277149.ICH003Illoura Creek below bridgeACTK. Kefous1-35.3267149.IBT001Melba BMX track. Stormwater tributaryACTP. & R. Burrell & N. Aitken2-35.2176149.JER010Jerrabomberra Creek Old Cooma RdNSWD. Shaw1-35.4668149.JER100Jerrabomberra Creek at Barrett'sNSWS. Owen, S. Richard, J. Santen, S. Sydnych Barrett's-35.5151149.JER101Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER102Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER300Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari Creek2-35.3353149.JER310Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari2-35.3351149.JER310Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari2-35.3160149.JER320Jerrab | GUN400 | | ACT | A. Smith | 1 | -35.1810 | 149.1422 |
| HAL002Halls Creek Pong ClubACTG. & P. Medlin3-35.1713149.HAN100Backyard pond AinslieACTM. Clough1-35.2537149.HOL100Holder drainage channelACTE. Keightley & G. Manning1-35.3277149.ICH003Illoura Creek below bridgeACTK. Kefous1-35.3267149.JBT001Melba BMX track. Stormwater tributaryACTP. & R. Burrell & N. Aitken2-35.2176149.JER010Jerrabomberra Creek Old Cooma RdNSWD. Shaw1-35.4668149.JER101Jerrabomberra Creek at Barrett'sNSWS. Owen, S. Richard, J. Santen, S. Sydnych Barrett's3-35.5151149.JER101Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER102Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER102Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER102Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari Creek2-35.3353149.JER310Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari Creek2-35.3353149.JER320Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari Creek2-35.3353149.JER320Jerrabomberra Wetlands, First Dird hide from Dairy Rd CarparkACTJ. Begg, J. | HAC100 | Rivett St, Hackett (private pond) | ACT | K. Henderson & T. Swain | 1 | -35.2469 | 149.1676 |
| HAN100Backyard pond AinslieACTM. Clough1-35.2537149.HOL100Holder drainage channelACTE. Keightley & G. Manning1-35.3277149.ICH003Illoura Creek below bridgeACTK. Kefous1-35.3267149.JBT001Melba BMX track. Stormwater tributaryACTP. & R. Burrell & N. Aitken2-35.2176149.JER010Jerrabomberra Creek Old Cooma RdNSWD. Shaw1-35.4668149.JER100Jerrabomberra Creek at Barrett'sNSWS. Owen, S. Richard, J. Santen, S. Sydnych3-35.5151149.JER101Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER102Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER103Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER300Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari Creek2-35.3351149.JER320Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari Creek2-35.3324149.JER300Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari Creek2-35.3324149.JER300Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari Creek2-35.3324149.JER300Jerrabomberra Wetlands. First bird hide from Dairy Rd CarparkACT | HAL001 | Halls Creek Showground Bridge | ACT | G. & P. Medlin | 3 | -35.1715 | 149.0739 |
| HOL100Holder drainage channelACTE. Keightley & G. Manning1-35.3277149.ICH003Illoura Creek below bridgeACTK. Kefous1-35.3267149.JBT001Melba BMX track. Stormwater tributaryACTP. & R. Burrell & N. Aitken2-35.2176149.JER010Jerrabomberra Creek Old Cooma RdNSWD. Shaw1-35.4668149.JER100Jerrabomberra Creek at Barrett'sNSWS. Owen, S. Richard, J. Santen, S. Sydnych3-35.5151149.JER101Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER102Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER102Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER102Jerrabomberra Dreek at CreekNSWL. Barrett1-35.5151149.JER300Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari Creek2-35.3353149.JER300Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari Creek2-35.3351149.JER300Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari Creek2-35.3351149.JER300Jerrabomberra Wetlands. First bird hide from Dairy Rd CarparkACTJ. Begg, J. & S. Hibberd, F. O'Laighin7-35.3160149. | HAL002 | Halls Creek Pong Club | ACT | G. & P. Medlin | 3 | -35.1713 | 149.0748 |
| ICH003Illoura Creek below bridgeACTK. Kefous1-35.3267149.JBT001Melba BMX track. Stormwater tributaryACTP. & R. Burrell & N. Aitken2-35.2176149.JER010Jerrabomberra Creek Old Cooma RdNSWD. Shaw1-35.4668149.JER101Jerrabomberra Creek at Barrett'sNSWS. Owen, S. Richard, J. Santen, S. Sydnych3-35.5151149.JER101Jerrabomberra Creek at Barrett'sNSWS. Owen, S. Richard, J. Santen, S. Sydnych3-35.5151149.JER102Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER102Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER102Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER300Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari2-35.3353149.JER300Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari2-35.3351149.JER300Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari2-35.3351149.JER300Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari2-35.3351149.JER300Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari2-35.3324149.JER500Jerrabomberra Wetlands. First bird hide from Dairy Rd | HAN100 | Backyard pond Ainslie | ACT | M. Clough | 1 | -35.2537 | 149.1499 |
| JBT001Melba BMX track. Stormwater tributaryACTP. & R. Burrell & N. Aitken2-35.2176149.JER010Jerrabomberra Creek Old Cooma RdNSWD. Shaw1-35.4668149.JER100Jerrabomberra Creek at Barrett'sNSWS. Owen, S. Richard, J. Santen, S. Sydnych Barrett's3-35.5151149.JER101Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER102Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER102Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER300Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari Creek2-35.3353149.JER320Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari Creek2-35.3324149.JER320Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari Creek2-35.3324149.JER320Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari Creek2-35.3324149.JER320Jerrabomberra Wetlands. First bird hide from Dairy Rd CarparkJ. Begg, J. & S. Hibberd, F. O'Laighin7-35.3160149. | HOL100 | Holder drainage channel | ACT | E. Keightley & G. Manning | 1 | -35.3277 | 149.0443 |
| tributaryJER010Jerrabomberra Creek Old Cooma RdNSWD. Shaw1-35.4668149.JER100Jerrabomberra Creek at Barrett'sNSWS. Owen, S. Richard, J. Santen, S. Sydnych3-35.5151149.JER101Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER102Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER102Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER300Jerrabomberra Dairy Creek - Mill CreekACTF. O'Laighin & R. Lazzari2-35.3353149.JER320Jerrabomberra Dairy Creek - Mill CreekACTF. O'Laighin & R. Lazzari2-35.3351149.JER320Jerrabomberra Dairy Creek - Mill CreekACTF. O'Laighin & R. Lazzari2-35.3324149.JER300Jerrabomberra Dairy Creek - Mill CreekACTJ. Begg, J. & S. Hibberd, F. O'Laighin7-35.3160149. | ICH003 | Illoura Creek below bridge | ACT | K. Kefous | 1 | -35.3267 | 149.0675 |
| JER010Jerrabomberra Creek Old Cooma RdNSWD. Shaw1-35.4668149.JER100Jerrabomberra Creek at Barrett'sNSWS. Owen, S. Richard, J. Santen, S. Sydnych3-35.5151149.JER101Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER102Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER102Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER300Jerrabomberra Dairy Creek - Mill CreekACTF. O'Laighin & R. Lazzari2-35.3353149.JER320Jerrabomberra Dairy Creek - Mill CreekACTF. O'Laighin & R. Lazzari2-35.3351149.JER320Jerrabomberra Dairy Creek - Mill CreekACTF. O'Laighin & R. Lazzari2-35.3324149.JER500Jerrabomberra Wetlands. First bird hide from Dairy Rd CarparkACTJ. Begg, J. & S. Hibberd, F. O'Laighin7-35.3160149. | JBT001 | | ACT | P. & R. Burrell & N. Aitken | 2 | -35.2176 | 149.0532 |
| JER100Jerrabomberra Creek at Barrett'sNSWS. Owen, S. Richard, J. Santen, S. Sydnych3-35.5151149.JER101Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER102Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER102Jerrabomberra Creek at Barrett'sNSWL. Barrett1-35.5151149.JER300Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari2-35.3353149.JER310Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari2-35.3351149.JER320Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari2-35.3324149.JER320Jerrabomberra Dairy Creek - Mill ACT CreekF. O'Laighin & R. Lazzari2-35.3324149.JER500Jerrabomberra Wetlands. First bird hide from Dairy Rd CarparkACTJ. Begg, J. & S. Hibberd, F. O'Laighin7-35.3160149. | JER010 | Jerrabomberra Creek Old | NSW | D. Shaw | 1 | -35.4668 | 149.1846 |
| JER101 Jerrabomberra Creek at Barrett's NSW L. Barrett 1 -35.5151 149. JER102 Jerrabomberra Creek at Barrett's NSW L. Barrett 1 -35.5151 149. JER300 Jerrabomberra Dairy Creek - Mill ACT F. O'Laighin & R. Lazzari 2 -35.3353 149. JER310 Jerrabomberra Dairy Creek - Mill ACT F. O'Laighin & R. Lazzari 2 -35.3351 149. JER320 Jerrabomberra Dairy Creek - Mill ACT F. O'Laighin & R. Lazzari 2 -35.3351 149. Creek JER320 Jerrabomberra Dairy Creek - Mill ACT F. O'Laighin & R. Lazzari 2 -35.3324 149. JER320 Jerrabomberra Dairy Creek - Mill ACT F. O'Laighin & R. Lazzari 2 -35.3324 149. JER500 Jerrabomberra Wetlands. First bird hide from Dairy Rd Carpark ACT J. Begg, J. & S. Hibberd, F. O'Laighin 7 -35.3160 149. | JER100 | Jerrabomberra Creek at | NSW | S. Owen, S. Richard, J. Santen, S. Sydnych | 3 | -35.5151 | 149.1715 |
| Barrett's JER300 Jerrabomberra Dairy Creek - Mill ACT F. O'Laighin & R. Lazzari 2 -35.3353 149. JER310 Jerrabomberra Dairy Creek - Mill ACT F. O'Laighin & R. Lazzari 2 -35.3351 149. JER310 Jerrabomberra Dairy Creek - Mill ACT F. O'Laighin & R. Lazzari 2 -35.3351 149. JER320 Jerrabomberra Dairy Creek - Mill ACT Creek F. O'Laighin & R. Lazzari 2 -35.3324 149. JER320 Jerrabomberra Dairy Creek - Mill ACT Creek F. O'Laighin & R. Lazzari 2 -35.3324 149. JER500 Jerrabomberra Wetlands. First ACT J. Begg, J. & S. Hibberd, F. O'Laighin 7 -35.3160 149. bird hide from Dairy Rd Carpark J. Begg, J. & S. Hibberd, F. O'Laighin 7 -35.3160 149. | JER101 | Jerrabomberra Creek at | NSW | L. Barrett | 1 | -35.5151 | 149.1715 |
| Creek JER310 Jerrabomberra Dairy Creek - Mill ACT F. O'Laighin & R. Lazzari 2 -35.3351 149. Creek JER320 Jerrabomberra Dairy Creek - Mill ACT F. O'Laighin & R. Lazzari 2 -35.3324 149. JER320 Jerrabomberra Dairy Creek - Mill ACT F. O'Laighin & R. Lazzari 2 -35.3324 149. JER500 Jerrabomberra Wetlands. First ACT J. Begg, J. & S. Hibberd, F. O'Laighin 7 -35.3160 149. bird hide from Dairy Rd Carpark ACT J. Begg, J. & S. Hibberd, F. O'Laighin 7 -35.3160 149. | JER102 | | NSW | L. Barrett | 1 | -35.5151 | 149.1715 |
| Creek JER320 Jerrabomberra Dairy Creek - Mill ACT F. O'Laighin & R. Lazzari 2 -35.3324 149. Creek JER500 Jerrabomberra Wetlands. First ACT J. Begg, J. & S. Hibberd, F. O'Laighin 7 -35.3160 149. bird hide from Dairy Rd Carpark 7 -35.3160 149. | JER300 | | ACT | F. O'Laighin & R. Lazzari | 2 | -35.3353 | 149.1591 |
| Creek JER500 Jerrabomberra Wetlands. First ACT J. Begg, J. & S. Hibberd, F. O'Laighin 7 -35.3160 149. bird hide from Dairy Rd Carpark 7 -35.3160 149. | JER310 | • | ACT | F. O'Laighin & R. Lazzari | 2 | -35.3351 | 149.1591 |
| JER500 Jerrabomberra Wetlands. First ACT J. Begg, J. & S. Hibberd, F. O'Laighin 7 -35.3160 149. bird hide from Dairy Rd Carpark | JER320 | • | ACT | F. O'Laighin & R. Lazzari | 2 | -35.3324 | 149.1609 |
| | JER500 | Jerrabomberra Wetlands. First | ACT | J. Begg, J. & S. Hibberd, F. O'Laighin | 7 | -35.3160 | 149.1605 |
| | KIP001 | | ACT | D. Lassam, L. Jenkins & P. Fawke | 2 | -35.2177 | 149.0184 |
| LAW100 Lawrence Pond, Higgins ACT I. Lawrence 3 -35.2270 149. | LAW100 | Lawrence Pond, Higgins | ACT | I. Lawrence | 3 | -35.2270 | 149.0200 |
| LDM100 Lookout Dam, Holt ACT J. Arnold 2 -35.2469 148. | LDM100 | Lookout Dam, Holt | ACT | J. Arnold | 2 | -35.2469 | 148.9877 |
| LGC001 Nerin Nerin Ck, Lake George NSW R. McFarlane, R., F. & X. Pick 1 -35.0983 149. | LGC001 | Nerin Nerin Ck, Lake George | NSW | R. McFarlane, R., F. & X. Pick | 1 | -35.0983 | 149.3768 |
| LWP100Little Whiskers Rd PondNSWF. FitzGibbon5-35.4007149. | LWP100 | Little Whiskers Rd Pond | NSW | F. FitzGibbon | 5 | -35.4007 | 149.3824 |
| LWR100Little Whiskers Rd RiverNSW F. FitzGibbon6-35.3989149. | LWR100 | Little Whiskers Rd River | NSW | F. FitzGibbon | 6 | -35.3989 | 149.3828 |
| MCW001 McKellar wetland, constructed ACT N. Gibb & P. Jalowenko 1 -35.2194 149. 2000 | MCW001 | | ACT | N. Gibb & P. Jalowenko | 1 | -35.2194 | 149.0823 |

| Site Code | Site Name | State | Observers | Monitoring Occasions | Latitude | Longitude |
|-----------|---|-------|--|-------------------------|----------|-----------|
| MCW002 | McKellar wetland, constructed 2004 | ACT | N. Gibb & P. Jalowenko | 2009 1 | -35.2143 | 149.0811 |
| MCW010 | Frog highway, drainage line between two McKellar wetlands | ACT | N. Gibb & P. Jalowenko | 1 | -35.2161 | 149.0812 |
| MFL001 | Mulligans Flat Site 1 | ACT | A. Lashko & E. Oliver, K. & J. Tomkins, M. McGregor, A. Horseman, R. Blackwell, C. Malam, K. Waddell, W. Clark, G. Buffington | 2 | -35.1694 | 149.1541 |
| MFL002 | Mulligans Flat Site 2 | ACT | A. Lashko & E. Oliver & K. Gowland | 2 | -35.1697 | 149.1549 |
| MFL003 | Mulligans Flat Site 3 | ACT | A. Lashko & E. Oliver & K. Gowland | 3 | -35.1689 | 149.1568 |
| MFL004 | Mulligans Flat Site 4 | ACT | K. & J. Tomkins, M. McGregor, A. Horseman, R. Blackwell, C. Malam, K. Waddell, W. Clark, G. Buffington | 1 | -35.1686 | 149.1553 |
| MFL005 | Mulligans Flat Site 5 | ACT | A. Lashko & E. Oliver | 3 | -35.1662 | 149.1871 |
| MFL007 | Mulligans Flat Site 7 | ACT | A. Lashko & E. Oliver, K. & J. Tomkins, M. McGregor, A. Horseman, R. Blackwell, C. Malam, K. Waddell, W. Clark, G. Buffington | 2 | -35.1673 | 149.1598 |
| MFL011 | Mulligans Flat Site 11 | ACT | A. Smith | 3 | -35.1793 | 149.1584 |
| MFL013 | Mulligans Flat Site 13 | ACT | A. Smith | 3 | -35.1753 | 149.1664 |
| MOL150 | Molonglo River Park | NSW | B. Kertesz | 3 | -35.3316 | 149.2500 |
| MOL300 | Southwells Crossing | ACT | J. Begg | 1 | -35.3188 | 149.0472 |
| MOL600 | Creek near Tannery Beard | NSW | S. Skinner & A. Westcott | 1 | -35.3424 | 149.1992 |
| MOL605 | Molonglo River at Oaks Estate Rd Causeway | NSW | J. Begg | 2 | -35.3374 | 149.2219 |
| MOL606 | Molonglo River at Oaks Estate Rd Causeway | | J. Begg | 2 | -35.3368 | 149.2222 |
| MOL608 | Molonglo River Bridge on Yass Rd Qbyn | | J. Begg | 2 | -35.3350 | 149.2401 |
| MOL609 | Molonglo River Bridge on Yass Rd Qbyn | NSW | J. Begg | 1 | -35.3346 | 149.2407 |
| MUR010 | Jones Park | NSW | 1 st Murrumbateman Cubs and Scouts – Leaders: L. Bourke, C. Constance, S. Wright, S. Bourke, P. McClaren, J. Landsdowne, and 18 cubs, 12 scouts. | 2 | -35.9692 | 149.0303 |
| MYA050 | Yarralumla Ck | ACT | J. Thompson | 3 | -35.3074 | 149.0720 |
| MYA100 | Yarralumla Ck, Curtin Oval | ACT | A. & G. Marks | 1 | -35.2567 | 149.0757 |
| MYR100 | Myrtle Rise. Shallow Valley Dam. Mcauliffe Lane, Nanima Rd, Hall | NSW | S. & R Hnatiuk | 1 | -35.0523 | 149.0808 |
| MYR300 | Myrtle Rise. Top dam. Mcauliffe Lane, Nanima Rd, Hall | NSW | S. & R. Hnatiuk | 1 | -35.0564 | 149.0804 |
| ORA001 | Orana School Drainage Gully | ACT | E. Keightley & G. Manning | 1 | -35.3281 | 149.0583 |
| OSR001 | Dam 1. Front gate | NSW | R. McFarlane & R. Pick | 1 | -35.1074 | 149.1047 |
| OSR002 | Dam 2. | NSW | R. McFarlane & F. Pick | 1 | -35.1045 | 149.1028 |
| OSR003 | Dam 3. Big back dam | NSW | R. McFarlane & F. Pick | 1 | -35.1055 | 149.1004 |
| OSR004 | Dam 4. Swim Dam | NSW | R. McFarlane, R. & F. Pick | 1 | -35.1062 | 149.1019 |
| OSR005 | Dam 5. Hidden Dam | NSW | R. McFarlane | 1 | -35.1091 | 149.1024 |
| OSR006 | Dam 6. | NSW | R. McFarlane & F. Pick | 1 | -35.1083 | 149.1016 |
| PCF001 | Dam near Pierces Creek, Pierces Creek Forest | ACT | S. & R. Hnatiuk | 1 | -35.3402 | 148.9160 |
| PCF002 | Pierces Creek | ACT | S. & R. Hnatiuk | 1 | -35.3385 | 148.9148 |
| PIN010 | Backyard pond, Ambalindum St, Hawker | | C. Turton | 11 | -35.2542 | 149.0318 |
| PIN100 | Pinnacle Dam, Hawker | ACT | S. Rae | 1 | -35.2608 | 149.0433 |
| PLM300 | Laver Farm, Gully Dam | NSW | P., M., A., L. & E. Laver | 1 | -34.9105 | 148.9703 |
| PLM400 | Laver Farm Big Dam | NSW | P., M., A., L. & E. Laver | 1 | -34.9105 | 148.9703 |
| PNG100 | Pinenut Grove House Dam | NSW | G. Sargent | 3 | -35.0539 | 149.1172 |
| | | | G. Sargent | 3 | -35.0518 | 149.1173 |

| Site Code | Site Name | State | Observers | Monitoring Occasions 2009 | Latitude | Longitude |
|-----------|---|-------|--------------------------------|---------------------------------|----------|-----------|
| PNG300 | Driveway Dam, Pinenut Grove | NSW | G. Sargent | 3 | -35.0523 | 149.1176 |
| QBN002 | Pond in Greenleigh | NSW | G. & N. Beaumont | 1 | -35.3672 | 149.2488 |
| QBN012 | Mountain Rd Dam | ACT | J. Begg | 1 | -35.3367 | 149.2170 |
| QBN011 | Mountain Rd Drainage Ditch | ACT | J. Begg | 1 | -35.3369 | 149.2166 |
| QBN010 | Private Pond, Lonergan Dr Queanbeyan | NSW | J. Clarke | 8 | -35.3724 | 149.2464 |
| QBN200 | Queanbeyan River | NSW | S. Skinner | 1 | -35.3670 | 149.2372 |
| RCD001 | Rose Cottage horse paddock 8 and Dam | ACT | R. & C. Gee & Aaron van Kleeff | 3 | -35.3972 | 149.1331 |
| SFF100 | Stromlo Forest Retention Dam | ACT | J. Begg | 3 | -35.3215 | 149.0440 |
| SRC100 | Cotter Campground | ACT | M. Blume & F. Horan | 1 | -35.3267 | 148.9465 |
| SUT100 | Dam 1, "Macrorrhyncha", Moseley Property, Sutton | NSW | J. & G. Moseley | 1 | -35.1496 | 149.2285 |
| SUT101 | Dam 2, "Macrorrhyncha", Moseley Property, Sutton | NSW | J. & G. Moseley | 1 | -35.1588 | 149.2306 |
| SWA100 | Ginninderra Creek, Fellows Ponds | ACT | R. Smith & P. O'Neil | 3 | -35.2148 | 149.0312 |
| TAL001 | Tallulah | NSW | T. & R. Noakes | 1 | -35.6820 | 149.1664 |
| TRA100 | Travica property, Gundaroo. Lower Dam | NSW | N. Travica | 8 | -35.0740 | 149.3076 |
| TSP100 | Tuggeranong Sporting Club Dam | ACT | H. Jerjen | 2 | -35.4155 | 149.0604 |
| UCP100 | UC, manmade pond near Early Childhood Centre | ACT | J. Arnold | 1 | -35.2048 | 149.0846 |
| WEE100 | Weemalla, Fairview Rd, Wallaroo | NSW | S. & R. Hnatiuk | 1 | -35.1131 | 149.0860 |

Appendix 3

Monitoring summary

| Not | e: s | ites liste | ed in <mark>rec</mark> | text ar | e Key Fi | rogwatcł | n sites (| see pag | ge 3 fo | r mor | e d | etai | il). | | | | |
|---|------------------------------|--------------------------|------------------------|----------------------------|--------------------------|-------------------------------|------------------------|--------------------|-----------------------|-------------------------|------------|---------------------------|-----------------------|------|--------------|------|------|
| Summary of results, October – November 2009 | | | | | | | | | | | | | | | tori tory | | |
| SITE CODE | Total number of species 2009 | Crinia parinsignifera | Crinia signifera | Limnodynastes dumerilii | Limnodynastes peronii | Limnodynastes tasmaniensis | Uperoleia laevigata | Litoria peronii | Litoria verreauxii | Neobatrachus sudelli | None heard | Monitoring occasions 2009 | 2003 2004 | 2005 | 2006 | 2007 | 2008 |
| ANU018 | 1 | - | - | - | 1 to 5 | - | - | - | - | - | - | 1 | | ✓ | ✓ | ✓ | |
| ANU019 | 1 | - | - | - | 1 to 5 | - | - | - | - | - | - | 1 | | ✓ | ✓ | ✓ | |
| ANU020 | 1 | - | - | - | 1 to 5 | - | - | - | - | - | - | 2 | | ✓ | ✓ | ✓ | |
| ANU021 | 0 | - | - | - | - | - | - | - | - | - | 1 | 2 | | ✓ | ✓ | ✓ | |
| ANU023 | 1 | - | - | - | - | 1 to 5 | - | - | - | - | - | 1 | | ✓ | ✓ | ✓ | ✓ |
| ARA017 | 1 | - | 1 to 5 | - | - | - | - | - | - | - | - | 1 | | | | ✓ | ✓ |
| ARA100 | 3 | 1 to 5 | - | - | - | 1 to 5 | - | 1 to 5 | - | - | - | 2 | | | ✓ | ✓ | |
| ARA200 | 3 | - | 5 to 20 | - | - | 1 to 5 | - | 1 to 5 | - | - | - | 1 | | | | | |
| ARA300 | 1 | - | 5 to 20 | - | - | - | - | - | - | - | - | 1 | | | | | ✓ |
| BON100 | 4 | 5 to 20 | 5 to 20 | - | - | 5 to 20 | 5 to 20 | - | - | - | - | 3 | ✓ | ✓ | | ✓ | ✓ |
| BUN100 | 6 | 20 to 50 | 5 to 20 | 5 to 20 | - | 5 to 20 | - | 1 to 5 | 1 to 5 | - | - | 3 | | | ✓ | ✓ | ✓ |
| BUN200 | 6 | 5 to 20 | 5 to 20 | 5 to 20 | - | 5 to 20 | 1 to 5 | - | 1 to 5 | - | - | 3 | | | | | |
| BUR300 | 1 | - | - | - | - | 5 to 20 | - | - | - | - | - | 9 | | | | | |
| BUR350 | 5 | 5 to 20 | 5 to 20 | - | - | 20 to 50 | - | 1 to 5 | 1 to 5 | - | - | 9 | | | | | ✓ |
| CAV100 | 4 | - | 5 to 20 | 1 to 5 | - | 1 to 5 | - | 1 to 5 | - | - | - | 1 | | | | ✓ | |
| CBR001 | 2 | 5 to 20 | - | - | - | 1 to 5 | - | - | - | - | - | 1 | | | | | |
| CBR002 | 1 | 5 to 20 | - | - | - | - | - | - | - | - | - | 1 | | | | | |
| CBR003 | 3 | 1 to 5 | - | - | - | 1 to 5 | - | 1 to 5 | - | - | - | 1 | | | | | |
| CBR004 | 6 | 20 to 50 | 5 to 20 | 1 to 5 | - | 5 to 20 | 5 to 20 | 5 to 20 | - | - | - | 1 | | | | | ✓ |
| CEQ100 | 4 | 20 to 50 | - | - | - | 20 to 50 | 1 to 5 | 1 to 5 | - | - | - | 3 | ~ | ✓ | ✓ | ✓ | √ |
| CEQ200 | 5 | 5 to 20 | - | 1 to 5 | - | 5 to 20 | 1 to 5 | 5 to 20 | - | - | - | 3 | ~ | ✓ | ✓ | ✓ | ✓ |
| CFR200 | 6 | 50 to 100 | 20 to 50 | - | - | 5 to 20 | 1 to 5 | 5 to 20 | 1 to 5 | - | - | 2 | | ✓ | ✓ | ✓ | ✓ |
| CFR300 | 5 | I | 5 to 20 | 5 to 20 | 5 to 20 | 20 to 50 | - | - | 5 to 20 | - | - | 2 | | | | ✓ | |
| CHC100 | 1 | I | - | - | 1 to 5 | - | - | - | - | - | - | 1 | | | | | |
| CHC101 | 1 | - | 20 to 50 | - | - | - | - | - | - | - | - | 1 | | | | | |
| CHC102 | 2 | I | 20 to 50 | - | - | 5 to 20 | - | - | - | - | - | 1 | | | | | |
| CMC100 | 2 | 1 to 5 | - | - | - | 1 to 5 | - | - | - | - | - | 3 | < < | ✓ | ✓ | ✓ | |
| CMC150 | 5 | 20 to 50 | 5 to 20 | - | - | 5 to 20 | 1 to 5 | 5 to 20 | - | - | - | 2 | | | | | ✓ |
| CMC600 | 4 | 5 to 20 | - | - | - | 1 to 5 | - | 1 to 5 | - | 1 to 5 | - | 4 | < < | ✓ | ✓ | ✓ | ✓ |
| CMC700 | 2 | 20 to 50 | - | - | - | 5 to 20 | - | - | - | - | - | 3 | ✓ | | | | ✓ |
| CMC750 | 2 | 1 to 5 | - | - | - | 1 to 5 | - | - | - | - | - | 3 | ✓ | ✓ | | | |
| CMW500 | 4 | - | - | 1 to 5 | 1 to 5 | 1 to 5 | - | 1 to 5 | - | - | - | 2 | ✓ | ✓ | ✓ | ~ | |
| CMW550 | 2 | - | 5 to 20 | - | - | 5 to 20 | - | - | - | - | - | 1 | | | | | ✓ |

| | Summary of results, October – November 2009 | | | | | | | | | | | | | | ito sto | ring ry | |
|------------------|---|--------------------------|---------------------|----------------------------|--------------------------|-------------------------------|------------------------|--------------------|-----------------------|-------------------------|------------|---------------------------|-----------------------|-----------------------|-----------------------|---------------------|---|
| SITE CODE | Total number of species 2009 | Crinia parinsignifera | Crinia signifera | Limnodynastes dumerilii | Limnodynastes peronii | Limnodynastes tasmaniensis | Uperoleia laevigata | Litoria peronii | Litoria verreauxii | Neobatrachus sudelli | None heard | Monitoring occasions 2009 | 2003 | 2005 | 2005 | 2007 | 2008 |
| CON100 | 3 | 1 to 5 | - | 5 to 20 | - | 5 to 20 | - | - | - | - | - | 1 | | V | · | | ~ |
| CON110 | 3 | 5 to 20 | - | 1 to 5 | - | 5 to 20 | - | - | - | - | - | 1 | | ~ | · | | |
| COO001 | 4 | - | 1 to 5 | 1 to 5 | - | 1 to 5 | 5 to 20 | - | - | - | - | 2 | | | | | |
| COO002 | 4 | - | 1 to 5 | 5 to 20 | 1 to 5 | 5 to 20 | - | - | - | - | - | 1 | | | | | ~ |
| CTP450 | 5 | - | 20 to 50 | 20 to 50 | - | 5 to 20 | - | 1 to 5 | 1 to 5 | - | - | 2 | • | ∕ √ | · | √ | ~ |
| CTT300 | 3 | - | 5 to 20 | 5 to 20 | - | 1 to 5 | - | - | - | - | - | 2 | ✓ v | | | | ~ |
| DGP001 | 6 | 20 to 50 | 5 to 20 | 5 to 20 | - | 5 to 20 | 1 to 5 | 5 to 20 | - | - | - | 4 | ✓ v | ✓ | ∕ √ | ✓ | |
| DUF200 | 3 | 5 to 20 | - | - | - | 1 to 5 | - | 1 to 5 | - | - | - | 1 | | | | | |
| DUF300 | 5 | 5 to 20 | 5 to 20 | 1 to 5 | - | 5 to 20 | 5 to 20 | - | - | - | - | 1 | | | | | ✓ |
| FAD100 | 4 | 5 to 20 | 20 to 50 | 20 to 50 | - | 20 to 50 | - | - | - | - | - | 2 | √ v | | | | |
| FAD300 | 3 | - | 1 to 5 | - | - | 1 to 5 | - | - | - | 1 to 5 | - | 6 | ✓ | ✓ | ✓ | ✓ | |
| FBM200 | 3 | - | 5 to 20 | - | - | 1 to 5 | - | 1 to 5 | - | - | - | 1 | | | | | |
| FBM300 | 0 | - | - | - | - | - | - | - | - | - | 1 | 1 | | | | | |
| FBM400 | 5 | 20 to 50 | 1 to 5 | - | - | 1 to 5 | 20 to 50 | 5 to 20 | - | - | - | 2 | | | | | ✓ |
| FER100 | 1 | - | 5 to 20 | - | - | - | - | - | - | - | - | 1 | • | / | | | ✓ |
| FER200 | 4 | 1 to 5 | 1 to 5 | 1 to 5 | - | 1 to 5 | - | - | - | - | - | 1 | | | ~ | √ | ✓ |
| FGC009 | 5 | 5 to 20 | 5 to 20 | 1 to 5 | - | 1 to 5 | - | - | 1 to 5 | - | - | 4 | ✓ • | ✓ | ✓ ∕ | v | ✓ |
| FGC010 | 3 | 1 to 5 | 1 to 5 | - | 1 to 5 | - | - | - | - | - | - | 3 | | · • | ~ | ~ | ~ |
| FGC030 | 5 | 5 to 20 | 5 to 20 | 1 to 5 | - | 1 to 5 | - | - | 1 to 5 | - | - | 5 | ✓ ∨ | | | | |
| FGC040 | 1 | - | - | 1 to 5 | - | - | - | - | - | - | - | 2 | • | | , | | |
| FGC050 | 2 | - | 5 to 20 | - | - | 5 to 20 | - | - | - | - | - | 1 | v √ v | | | | ~ |
| FGC091 | 1 | - | 1 to 5 | - | - | - | - | - | - | - | - | 3 | v v | • | • | • | |
| FGD010 | 2 | - 1 to 5 | 5 to 20 | - | - | 1 to 5 | - | - | - | | - | 2 | ✓ | | | | v ./ |
| FGD020 FGD030 | 2 | - | 1 to 5 5 to 20 | - | - 1 to 5 | 1 to 5 | - | - | - | - | - | 1 | • • • | <u> </u> | , | • √ | - |
| FGD030 | | - 50 to 100 | 20 to 50 | - 1 to 5 | 1 to 5 | - 5 to 20 | - | - 5 to 20 | - | - | - | 4 | · · · ✓ | | | • | |
| FGD040 FGD045 | 5 | 20 to 50 | 5 to 20 | 1 to 5 | - | 1 to 5 | - | 1 to 5 | - | - | - | 4 | • | • | • | | • • |
| FGG010 | 4 | 1 to 5 | - | 5 to 20 | - | 1 to 5 | - | - | - 1 to 5 | - | - | 3 | < v | | , | • | |
| FGW100 | 3 | - | 1 to 5 | - | 1 to 5 | 1 to 5 | _ | | - | _ | - | 3 | · · · | | | ✓ | |
| FGW200 | 5 | - | 1 to 5 | 1 to 5 | 1 to 5 | 1 to 5 | - | - | 1 to 5 | - | - | 3 | ✓ v | | | · • | |
| FLO200 | 1 | - | - | - | - | 1 to 5 | - | - | - | - | - | 3 | | ~ | | | ~ |
| FMC040 | 3 | _ | 5 to 20 | 1 to 5 | _ | 5 to 20 | _ | - | - | - | - | 1 | | | | ✓ | |
| FMC120 | 1 | - | 1 to 5 | - | - | - | - | - | - | - | - | 1 | | ~ | , | ✓ | ✓ |
| FMC200 | 5 | 1 to 5 | 1 to 5 | 5 to 20 | - | 5 to 20 | - | 1 to 5 | - | - | - | 4 | √ v | ✓ | ✓ | ✓ | ~ |
| FMC210 | 2 | - | - | - | - | 1 to 5 | - | - | 1 to 5 | - | - | 1 | ✓ v | ✓ | ✓ | √ | ~ |
| FMC220 | 5 | 20 to 50 | 1 to 5 | - | - | 1 to 5 | 1 to 5 | 1 to 5 | - | - | - | 3 | < • | ✓ | ∕ √ | ✓ | Image: A start of the start of |
| FMW010 | 4 | 5 to 20 | - | - | 5 to 20 | 5 to 20 | - | 1 to 5 | - | - | - | 4 | ✓ v | ✓ | ✓ | ✓ | ✓ |
| FTB010 | 5 | 5 to 20 | 20 to 50 | 1 to 5 | - | 1 to 5 | - | - | 1 to 5 | - | - | 2 | < • | ✓ | ∕ √ | ✓ | ✓ |
| FTD010 | 2 | - | 20 to 50 | - | - | 1 to 5 | - | - | - | - | - | 1 | < v | ✓ | <u> </u> | ✓ | |

| Summary of results, October – November 2009 | | | | | | | | | | | | | | | | tori tory | | |
|---|------------------------------|--------------------------|---------------------|----------------------------|--------------------------|-------------------------------|------------------------|--------------------|-----------------------|-------------------------|------------|---------------------------|-----------------------|------|------|--------------|------|--------------|
| SITE CODE | Total number of species 2009 | Crinia parinsignifera | Crinia signifera | Limnodynastes dumerilii | Linmodynastes peronii | Limnodynastes tasmaniensis | Uperoleia laevigata | Litoria peronii | Litoria verreauxii | Neobatrachus sudelli | None heard | Monitoring occasions 2009 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 |
| FTD015 | 6 | 5 to 20 | 20 to 50 | 1 to 5 | - | 1 to 5 | 1 to 5 | - | 1 to 5 | - | - | 1 | | | | | | ✓ |
| FTD120 | 5 | - | 20 to 50 | 5 to 20 | - | 5 to 20 | 1 to 5 | - | 1 to 5 | - | - | 2 | √ , | | ✓ | ✓ | ✓ | ✓ |
| FTD160 | 1 | - | 20 to 50 | - | - | - | - | - | - | - | - | 1 | √ , | / | ✓ | ✓ | ✓ | |
| FTD165 | 7 | - | 5 to 20 | 5 to 20 | 1 to 5 | 1 to 5 | 1 to 5 | 1 to 5 | 5 to 20 | - | - | 1 | | | | | | ✓ |
| GBY100 | 0 | - | - | - | - | - | - | - | - | - | 1 | 2 | | | ✓ | ✓ | ✓ | |
| GFW006 | 0 | - | - | - | - | - | - | - | - | - | 1 | 2 | | / | | | | |
| GIN007 | 6 | 1 to 5 | 1 to 5 | 1 to 5 | 5 to 20 | 5 to 20 | - | - | 5 to 20 | - | - | 2 | ✓ | | | ✓ | | |
| GIN008 | 5 | 5 to 20 | 5 to 20 | - | 5 to 20 | 5 to 20 | - | - | 5 to 20 | - | - | 2 | | | | | | |
| GIN024 | 5 | 1 to 5 | 20 to 50 | 1 to 5 | 5 to 20 | - | - | - | 1 to 5 | - | - | 4 | | | ✓ | ✓ | | |
| GUN100 | 6 | 20 to 50 | 5 to 20 | - | 5 to 20 | 20 to 50 | 1 to 5 | - | 1 to 5 | - | - | 2 | | | | | | |
| GUN200 | 5 | 5 to 20 | 5 to 20 | - | 1 to 5 | 5 to 20 | - | - | 1 to 5 | - | - | 3 | | | | | | |
| GUN300 | 6 | 50 to 100 | 5 to 20 | - | 1 to 5 | 20 to 50 | 20 to 50 | 5 to 20 | - | - | - | 3 | | | ✓ | | | |
| GUN400 | 4 | 5 to 20 | 1 to 5 | - | - | 5 to 20 | 1 to 5 | - | - | - | - | 1 | • | / | | | | |
| HAC100 | 1 | - | - | - | - | 1 to 5 | - | - | - | - | - | 1 | | | | | | ✓ |
| HAL001 | 3 | - | 5 to 20 | 1 to 5 | - | 1 to 5 | - | - | - | - | - | 3 | √ , | / | ✓ | ✓ | ✓ | |
| HAL002 | 4 | 1 to 5 | 5 to 20 | 1 to 5 | - | 5 to 20 | - | - | - | - | - | 3 | • | / | ✓ | | | ✓ |
| HAN100 | 1 | - | - | - | - | 5 to 20 | - | - | - | - | - | 1 | | | | ✓ | ✓ | |
| HOL100 | 4 | 1 to 5 | 1 to 5 | - | - | 1 to 5 | - | - | 1 to 5 | - | - | 1 | • | / | | | | |
| ICH003 | 3 | 1 to 5 | 5 to 20 | - | - | 1 to 5 | - | - | - | - | - | 1 | | | | | | |
| JBT001 | 0 | - | - | - | - | - | - | - | - | - | 1 | 2 | √ , | / | ✓ | ✓ | | |
| JER010 | 4 | 1 to 5 | 5 to 20 | 1 to 5 | - | 1 to 5 | - | - | - | - | - | 1 | | | | | | \checkmark |
| JER100 | 5 | 5 to 20 | 20 to 50 | 1 to 5 | - | 20 to 50 | - | - | 1 to 5 | - | - | 3 | √ , | 1 | ✓ | ✓ | ✓ | |
| JER101 | 5 | 1 to 5 | 5 to 20 | - | - | 1 to 5 | - | - | 1 to 5 | - | - | 1 | | | | | | |
| JER102 | 1 | - | - | - | - | - | - | 1 to 5 | - | - | - | 1 | | | | | | |
| JER300 | 3 | 1 to 5 | 5 to 20 | - | 5 to 20 | - | - | - | - | - | - | 2 | • | / | ✓ | ✓ | ✓ | |
| JER310 | 3 | 5 to 20 | 5 to 20 | - | 1 to 5 | - | - | - | - | - | - | 2 | • | / | ✓ | ✓ | ✓ | |
| JER320 | 2 | 1 to 5 | 5 to 20 | - | - | - | - | - | - | - | - | 2 | • | / | ✓ | ✓ | ✓ | ✓ |
| JER500 | 5 | 20 to 50 | 20 to 50 | - | 20 to 50 | 20 to 50 | - | 5 to 20 | - | - | - | 7 | √ , | 1 | ✓ | ✓ | ✓ | ✓ |
| KIP001 | 2 | - | 1 to 5 | 1 to 5 | - | - | - | - | - | - | - | 2 | √ , | / | ✓ | ✓ | ✓ | \checkmark |
| LAW100 | 4 | 1 to 5 | - | - | - | 1 to 5 | 1 to 5 | 1 to 5 | - | - | - | 3 | | | | | ✓ | ✓ |
| LDM100 | 3 | 5 to 20 | 1 to 5 | - | - | - | - | 5 to 20 | - | - | - | 2 | √ , | 1 | | ✓ | ✓ | |
| LGC001 | 4 | 20 to 50 | 1 to 5 | - | - | 5 to 20 | - | - | 1 to 5 | - | - | 1 | | | | | | ✓ |
| LWP100 | 3 | - | 1 to 5 | - | - | 1 to 5 | 1 to 5 | - | - | - | - | 5 | | | | ✓ | ✓ | ✓ |
| LWR100 | 7 | 1 to 5 | 5 to 20 | 5 to 20 | 1 to 5 | 5 to 20 | - | 1 to 5 | 5 to 20 | - | - | 6 | | | | ✓ | ✓ | ✓ |
| MCW001 | 4 | 20 to 50 | 5 to 20 | 1 to 5 | - | 5 to 20 | - | - | - | - | - | 1 | √ , | / | ✓ | ✓ | ✓ | \checkmark |
| MCW002 | 4 | 20 to 50 | - | 5 to 20 | - | 5 to 20 | - | 1 to 5 | - | - | - | 1 | v , | / | ✓ | ✓ | ✓ | \checkmark |
| MCW010 | 0 | - | - | - | - | - | - | - | - | - | 1 | 1 | | | ✓ | ✓ | ✓ | ✓ |
| MFL001 | 6 | 20 to 50 | 1 to 5 | - | - | 1 to 5 | 20 to 50 | 5 to 20 | 1 to 5 | - | - | 2 | ✓ | / | ✓ | ✓ | ✓ | ✓ |

| | Summary of results, October – November 2009 | | | | | | | | | | | | | | | tori tory | | |
|------------------|---|--------------------------|---------------------|----------------------------|--------------------------|-------------------------------|------------------------|--------------------|-----------------------|-------------------------|------------|---------------------------|------|------|------|--------------|--------|------|
| SITE CODE | Total number of species 2009 | Crinia parinsignifera | Crinia signifera | Limnodynastes dumerilii | Limnodynastes peronii | Limnodynastes tasmaniensis | Uperoleia laevigata | Litoria peronii | Litoria verreauxii | Neobatrachus sudelli | None heard | Monitoring occasions 2009 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 |
| MFL002 | 7 | 20 to 50 | 1 to 5 | 1 to 5 | - | 20 to 50 | 5 to 20 | 20 to 50 | 1 to 5 | - | - | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MFL003 | 6 | 20 to 50 | 1 to 5 | 5 to 20 | - | 5 to 20 | 1 to 5 | 5 to 20 | - | - | - | 3 | > | ✓ | ✓ | ✓ | ✓ | ✓ |
| MFL004 | 5 | 5 to 20 | 1 to 5 | - | - | 5 to 20 | 5 to 20 | 5 to 20 | - | - | - | 1 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MFL005 | 5 | 20 to 50 | 1 to 5 | - | - | 20 to 50 | 1 to 5 | 5 to 20 | - | - | - | 3 | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| MFL007 | 7 | 20 to 50 | 5 to 20 | 1 to 5 | - | 5 to 20 | 5 to 20 | 5 to 20 | 1 to 5 | - | - | 2 | ✓ | ✓ | ✓ | ✓ | ✓ | ~ |
| MFL011 | 6 | 50 to 100 | 20 to 50 | - | - | 20 to 50 | 50 to 100 | 20 to 50 | 5 to 20 | - | - | 3 | | ✓ | ✓ | ✓ | ✓ | ✓ |
| MFL013 | 6 | 20 to 50 | 20 to 50 | - | - | 20 to 50 | >100 | 20 to 50 | 1 to 5 | - | - | 3 | | ✓ | ✓ | ✓ | ✓ | ✓ |
| MOL150 | 5 | 1 to 5 | 5 to 20 | - | 1 to 5 | 5 to 20 | - | - | 1 to 5 | - | - | 3 | | | ✓ | ✓ | ✓ | |
| MOL300 | 0 | - | - | - | - | - | - | - | - | - | 1 | 1 | | | | | | |
| MOL600 | 4 | 1 to 5 | 5 to 20 | - | 1 to 5 | - | 1 to 5 | - | - | - | - | 1 | | | | | | |
| MOL605 | 3 | 20 to 50 | 20 to 50 | - | - | 20 to 50 | - | - | - | - | - | 2 | | | | | | |
| MOL606 | 0 | - | - | - | - | - | - | - | - | - | 1 | 2 | | | | | | |
| MOL608 | 2 | 1 to 5 | 1 to 5 | - | - | - | - | - | - | - | - | 2 | | | | | | |
| MOL609 | 2 | - | 1 to 5 | 1 to 5 | - | - | - | - | - | - | - | 1 | | | ✓ | | ✓ | • |
| MUR010 MYA050 | 2 | 5 to 20 | - | - | - | 5 to 20 | - | - | - | - | - | 2 | ✓ | ✓ | v | ✓ | ▼ ✓ | v |
| MYA100 | 3 2 | 1 to 5 | 1 to 5 | 5 to 20 1 to 5 | - | - 1 to 5 | - | - | - | - | - | 5 | • | • | | • | • | |
| MYR100 | 2 | - 5 to 20 | - | - | - | 1 to 5 | - 1 to 5 | - | - | - | - | 1 | | | | ✓ | ✓ | |
| MYR300 | 5 | 20 to 50 | | 1 to 5 | | 1 to 5 | 1 to 5 | 5 to 20 | | - | - | 1 | | | | - | | |
| ORA001 | 1 | - | 1 to 5 | - | | | - | - | | | _ | 1 | | | | | | |
| OSR001 | 3 | 5 to 20 | - | 5 to 20 | _ | 5 to 20 | - | | _ | - | - | 1 | | | | | | |
| OSR002 | 7 | 5 to 20 | 1 to 5 | 1 to 5 | - | 5 to 20 | 1 to 5 | 1 to 5 | 1 to 5 | - | - | 1 | | | | | | |
| OSR003 | 4 | 5 to 20 | - | - | - | 5 to 20 | 5 to 20 | 1 to 5 | - | - | - | 1 | | | | | | |
| OSR004 | 3 | 5 to 20 | 1 to 5 | - | - | 5 to 20 | - | - | - | - | - | 1 | | | | | | |
| OSR005 | 4 | 5 to 20 | - | - | - | 5 to 20 | 5 to 20 | 1 to 5 | - | - | - | 1 | | | | | | |
| OSR006 | 4 | 5 to 20 | 1 to 5 | - | - | 5 to 20 | 5 to 20 | - | - | - | - | 1 | | | | | | |
| PCF001 | 5 | - | 5 to 20 | 1 to 5 | - | 1 to 5 | 5 to 20 | 1 to 5 | - | - | - | 1 | | | | | | |
| PCF002 | 3 | - | 1 to 5 | 1 to 5 | - | - | 1 to 5 | - | - | - | - | 1 | | | | | | |
| PIN010 | 4 | 1 to 5 | 1 to 5 | - | - | 1 to 5 | - | 1 to 5 | - | - | - | 11 | | | | | | ✓ |
| PIN100 | 5 | 1 to 5 | 5 to 20 | - | - | 5 to 20 | 1 to 5 | 1 to 5 | - | - | - | 1 | | ✓ | ✓ | ✓ | ✓ | ✓ |
| PLM300 | 4 | 20 to 50 | - | 1 to 5 | - | 5 to 20 | - | 5 to 20 | - | - | - | 1 | | | | | ✓ | ✓ |
| PLM400 | 4 | 50 to 100 | 5 to 20 | - | - | - | 5 to 20 | 5 to 20 | - | - | - | 1 | | | | | ✓ | |
| PNG100 | 6 | 20 to 50 | 5 to 20 | 5 to 20 | - | 20 to 50 | 5 to 20 | 5 to 20 | - | - | - | 3 | | | | | | |
| PNG200 | 4 | 5 to 20 | 1 to 5 | - | - | 20 to 50 | 5 to 20 | - | - | - | - | 3 | | | | | | |
| PNG300 | 4 | 20 to 50 | - | 1 to 5 | - | 5 to 20 | 1 to 5 | - | - | - | 1 | 3 | | | | | | |
| QBN002 | 3 | - | 1 to 5 | - | - | 1 to 5 | 1 to 5 | - | - | - | - | 1 | | | | | | |
| QBN010 | 5 | 5 to 20 | 5 to 20 | - | - | 1 to 5 | 5 to 20 | 1 to 5 | - | - | - | 8 | | | | | | ✓ |
| QBN011 | 3 | - | 1 to 5 | - | 1 to 5 | 1 to 5 | - | - | - | - | - | 1 | | | | | | |
| QBN012 | 5 | 20 to 50 | 20 to 50 | - | - | 5 to 20 | 5 to 20 | 1 to 5 | - | - | - | 1 | | | | | | |

| | Summary of results, October – November 2009 | | | | | | | | | | | | | | | Monitoring History | | | | |
|--------------|---|--------------------------|---------------------|----------------------------|--------------------------|-------------------------------|------------------------|--------------------|-----------------------|-------------------------|------------|---------------------------|------|------|------|-----------------------|------|--------------|--|--|
| SITE CODE | Total number of species 2009 | Crinia parinsignifera | Crinia signifera | Limnodynastes dumerilii | Limmodynastes peronii | Limnodynastes tasmaniensis | Uperoleia laevigata | Litoria peronii | Litoria verreauxii | Neobatrachus sudelli | None heard | Monitoring occasions 2009 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | | |
| QBN200 | 4 | - | 5 to 20 | 5 to 20 | - | 1 to 5 | - | 1 to 5 | - | - | - | 1 | | ✓ | √ | √ | √ | ✓ | | |
| RCD001 | 7 | 20 to 50 | 5 to 20 | 5 to 20 | - | 20 to 50 | 5 to 20 | 5 to 20 | - | 5 to 20 | - | 3 | > | | ✓ | ✓ | ✓ | ✓ | | |
| SFF100 | 3 | 1 to 5 | 5 to 20 | - | - | 20 to 50 | - | - | - | - | - | 3 | | | ✓ | | | | | |
| SRC100 | 0 | - | - | - | - | - | - | - | - | - | 1 | 1 | | | | | | \checkmark | | |
| SUT100 | 6 | 20 to 50 | 5 to 20 | 5 to 20 | - | 5 to 20 | - | 1 to 5 | 1 to 5 | - | - | 1 | | ✓ | ✓ | ✓ | ✓ | \checkmark | | |
| SUT101 | 3 | 1 to 5 | 1 to 5 | - | - | 1 to 5 | - | - | - | - | - | 1 | | ✓ | ✓ | ✓ | ✓ | | | |
| SWA100 | 3 | - | 1 to 5 | 1 to 5 | - | - | - | - | 1 to 5 | - | - | 3 | | | | | | | | |
| TAL001 | 3 | - | - | - | 1 to 5 | 1 to 5 | - | 1 to 5 | - | - | - | 1 | | | | | | ✓ | | |
| TRA100 | 4 | 1 to 5 | 1 to 5 | - | - | 1 to 5 | - | 1 to 5 | - | - | - | 8 | | | | ✓ | ✓ | ✓ | | |
| TSP100 | 4 | 20 to 50 | 1 to 5 | - | - | 1 to 5 | 1 to 5 | - | - | - | - | 2 | | | | | | | | |
| UCP100 | 2 | - | 1 to 5 | - | - | 1 to 5 | - | - | - | - | - | 1 | | | | | | \checkmark | | |
| WEE100 | 4 | 5 to 20 | - | 1 to 5 | - | - | 1 to 5 | 1 to 5 | - | - | - | 1 | | | | ✓ | ✓ | | | |