
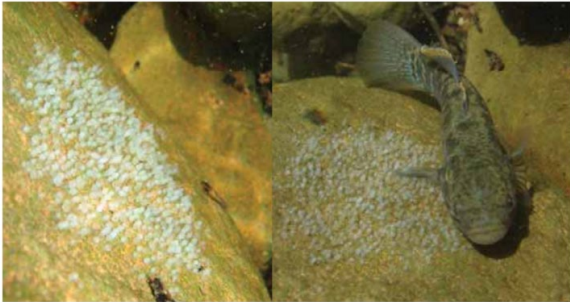


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|---|---|-------------------|------------------------|
|  | Flinders University College of Science and Engineering Standard Operating Procedure For Purple Spotted Gudgeon (<i>Mogurnda clivicola</i>) Presence- Absence and Egg Surveys 18/06/19 | | |
| |  | | Animal Facility |
| SOP Number | RA Number | AWC Approval Date | |
| SOP-BIOL-01 | RA_ | 18/06/2019 | |
| Contact Person | SOP prepared by | | Review Date |
| Leslie Morrison | Mark Lethbridge | | June 2021 |

Contents

The SOP **Purple Spotted Gudgeon (*Mogurnda clivicola*) Presence-Absence and Egg Surveys** contains the following sections:

- Legislation
 - University Policy
 - Local Policy
 - Permits
 - General
- Presence-Absence and Egg Surveys

Legislation

- *Australian Code for the Care and Use of Animals for Scientific Purposes 8th Ed.*
- *Animal Welfare Act 1985*
- *Animal Welfare Regulations 2012*
- [Gene Technology Act 2000](#) (the Act)
- [Gene Technology Regulations 2001](#)
- *Work Health and Safety Regulations 2012*
- *Fisheries Management Act 2007 (Section 115)*
- *South Australian National Parks and Wildlife Act 1972*

University Policy

- Work Health and Safety Policy 2013
- Responsible Conduct of Research Policy 2016
- NHMRC Guidelines

Local Policy

Use of the College of Science and Engineering Animal Facilities by all staff and students of the College of Science and Engineering, Flinders University, is subject to awareness of, and adherence to the following:

Research Involving Animals:

- The University holds a permit for the use of animals for teaching and research purposes. To satisfy the requirements of the permit, anyone wishing to undertake teaching and research using animals must submit a proposal to the Animal Welfare Sub-Committee (AWS-C). No work with animals may commence until written approval has been received from the Animal Welfare Committee. Standardised application forms for Laboratory, Teaching and Wildlife work with animals can be found on the Flinders University website listed below. It is your responsibility to regularly check this site for updates to guidelines, forms etc.

http://www.flinders.edu.au/research/researcher-support/ebi/animal-ethics/animal-ethics_home.cfm

- **All staff and students involved in animal research must complete Animal Ethics Online Training (AEOT) and must also regularly attend Animal Researcher Information Sessions (ARIS).**

Permits

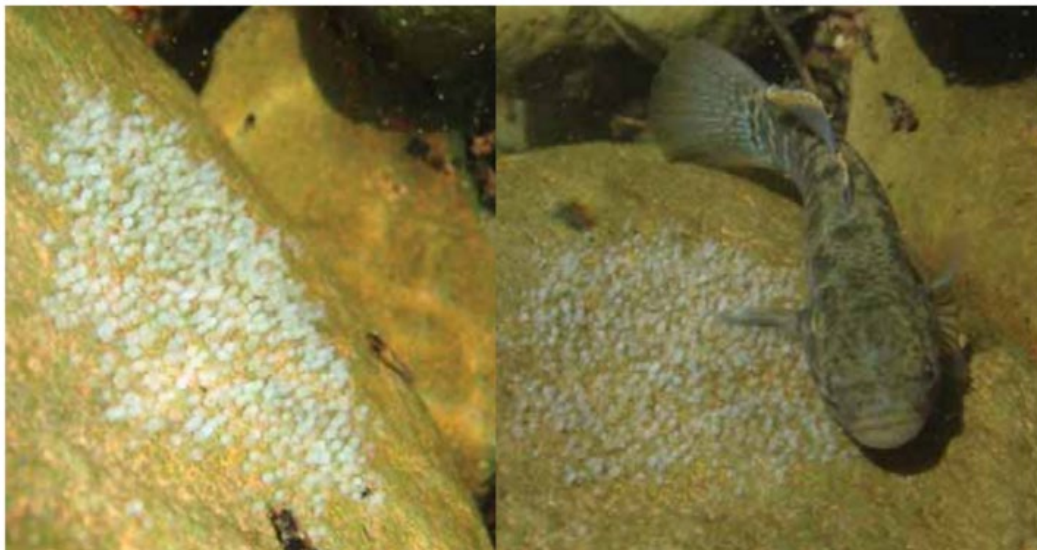
- Animal Ethics Approval from Flinders University Animal Welfare Committee.

General

- Refer to Risk Assessment for accident avoidance advice during night surveys.
- An Unexpected Adverse Event is an event that is not expected and was not foreshadowed in the application approved by the AWC.

Presence-Absence and Egg Surveys

- The following procedures apply:
 1. Do not enter the water.
 2. Do not move or disturb algae, dead material, soil, rocks, or plants.
 3. During searching, be only be present for intermittent periods of up to 1 hour (one person), but preferably 30 minutes (two persons), and provide a break well away from the water for more than 1 day between successive visits.
 4. Egg mass estimates (three categories e.g. none, some, many) are to be carried out observationally with no measuring devices to estimate the mass. This reduces biases associated with using metrics.
 5. Egg masses will be initially located by looking for males displaying abnormal behaviour, such as remaining in one area and displaying aggression to other fish, which may indicate guarding eggs. This area will then be more closely observed for egg masses (similar to those in the images below).
 6. A small water-proof camera on an umbilical cord may be used to assist with this, particularly when excessive float weed is present on the pond surface.



(Image from the 2011 McNeil Assessment Report for *Mogurnda clivicola*)

7. In any one week, there should be no more than 3 visits.
8. Consider other wildlife. Remaining at any one waterhole for an under 30 minutes is preferable to reduce the risk of disturbing other animals that use of these habitats or drink the water.
9. Remain relatively quiet.
10. Spotlights or flashes on cameras are not allowed.
11. Water testing may be carried out away from fish and eggs, if the samples are removed within 20 seconds.

SOP Review

This SOP currently applies to the animals housed in the College of Science and Engineering Animal Facility and field sites. This SOP will be reviewed 3 yearly, but also updated more frequently as policies, techniques and animal care requirements change.

Any questions regarding the above guidelines and any technical advice/ assistance required can be directed to Animal Facility Manager.

| Position | Name | Contact Details |
|-------------------------|-----------------|--|
| Animal Facility Manager | Leslie Morrison | X 12196 Office in Animal Facility Leslie.morrison@flinders.edu.au |
| Animal Welfare Officer | Lewis Vaughan | 0450 424 143 awo@flinders.edu.au |

Useful References:

- <http://www.nhmrc.gov.au>
- <http://www.adelaide.edu.au/ANZCCART/>
- <http://www.environment.sa.gov.au>
- http://www.flinders.edu.au/research/researcher-support/ebi/animal-ethics/animal-ethics_home.cfm

EMERGENCY PROCEDURES

Emergency Services 000

(0 - 000 from University internal phone)

University Security 12880

(8201 2880 from mobile phone)

| | |
|-------------------------------------|--|
| Medical Emergency | <p>1. Call an ambulance 000 (or 0 - 000 from University internal phone) State:</p> <ul style="list-style-type: none"> • Your contact number, • Location, • Nature of emergency, • Identify yourself. <p>2. Call University Security 12880 (or 8201 2880 from mobile phone) And give them the same information. University Security will meet the ambulance and guide them to the correct location on the grounds. Remain with the injured/ill person or contact your local First Aider to assist until help arrives.</p> |
| Fire | <p style="text-align: center;">If you discover a fire:</p> <ol style="list-style-type: none"> 1. Alert people nearby and request assistance 2. Ring the Fire Service 000 (or 0 - 000 if ringing from a University internal phone) or operate the nearest Break Glass Fire Alarm 3. Ring University Security 12880 (or 8201 2880 from mobile phone) 4. Exit the building to your Assembly Area, as directed by a Warden. 5. Do not use lifts |
| Bushfire | <p style="text-align: center;">If there is a bushfire on or near the campus:</p> <ul style="list-style-type: none"> • Close all windows and external doors • Remain, or go inside and await further instructions from Wardens, University Security or Emergency Services personnel • 3. Do not evacuate from the campus or drive vehicles until or unless directed to do so by Wardens, University Security or Emergency Services personnel |
| Hazardous Substances Spill | <ol style="list-style-type: none"> 1. Alert people nearby and request assistance 2. Ring the Fire Service 000 (or 0 - 000 if ringing from a University internal phone) <p>State: Your contact number Location Nature of Substance Identify yourself or operate the nearest Break Glass Fire Alarm</p> <ol style="list-style-type: none"> 3. Ring University Security 12880 (or 8201 2880 from mobile phone) 4. Keep people away from spill area if safe to do so (do not put yourself in danger) 5. Exit the building to your Assembly Area, as directed by a Warden. Do not use lifts 6. Remain in Assembly Area until advised to leave the area. |
| Personal Threat | <p style="text-align: center;">Ring University Security 12880 (or 8201 2880 from mobile phone) State:</p> <ul style="list-style-type: none"> • Your contact number • Location • Nature of threat • Your name • Description of person(s) involved |
| Emergency Warning Procedures | <p style="text-align: center;">When Alert signal sounds (Beep ...Beep...) Cease inter-floor movement Await further instructions via the PA or from the Warden</p> <p style="text-align: center;">When evacuation signal sounds (whoop...whoop...) Proceed via the safest route to the assembly area. Do not use lifts. Assist mobility impaired people as necessary Follow the directions of the Warden(s) Do not re-enter the building until instructed to do so by persons in authority.</p> <p style="text-align: center;">After Hours Outside of normal business hours, evacuate the building on hearing the alert or evacuation signal.</p> |