

# Zoë Beer

## Graduate Ecologist

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Aspiring conservation ecologist with a strong passion for biodiversity and hands-on experience in fauna surveying, data collection, analysis and GIS. Driven by a deep commitment to improving biodiversity outcomes. Experienced in working in remote and challenging environments, I am eager to further develop my skills and expertise in ecological research and conservation.

## Skills

- Bird surveying
- GIS
- Writing: professional and general
- Presentations and communication
- Reptile and mammal trapping
- Volunteer coordination
- Data management
- Remote field skills

## Experience

- **BioR - Contracting** 2022- ongoing
  - Shorebird and Waterbird surveys - from shoreline, walking, from boat
  - Mist netting and banding - bush birds
  - Pitfalling - small mammals, reptiles, invertebrates
  - Photographing Sea Birds for leg band identification
  - Riparian vegetation and freshwater invertebrate sampling
  - Revegetation of woodland landscapes for habitat creation
- **Murray River Landscapes Board - Contracting** 2023
  - Black-eared Miner surveys
  - Mist netting and banding
  - Blood sample collections from caught birds
  - Mallee Bird surveys - Gluepot, Calperum Station South Australia
  - Regent Parrot Nest surveys - locating and recording activity at nesting hollows, Riverlands
- **Adam Toomes: Postdoctoral Researcher - Contracting** 2022-ongoing
  - Data entry and management
  - Installation and use of pitfall and accordion traps for reptiles in remote northern South-Australia
- **Honours Project: Modelling Threatened Bird Occupancy, Wyperfeld National Park** 2024
  - Writing grant applications - successfully received funding from each of my grant applications
  - Ethics permit applications
  - Project management - timelines, budgets and coordination of volunteers
  - Remote field work - multiple remote camping and field work trips up to 12 days at a time extensive physical work, camp coordination, 4WD experience, including solo work
  - Bird surveys - Mallee bird surveys including rare and endangered species
  - Liaising with stakeholders including state government
  - Data management and analysis - use of R and GIS to process and analyse data
  - Occupancy Modelling - creation and validation of occupancy models for threatened species
  - Reports, science communication article and thesis writing
  - Seminars - presentation creation and public speaking
  - Coordinating volunteers from interstate and training surveyors

<ul style="list-style-type: none"> <li>● <b>Biology Society of South Australia - Committee Member</b> <ul style="list-style-type: none"> <li>• Responsible for communications facilitating volunteers with researchers and conservation organisations</li> <li>• Fundraising and event planning</li> <li>• Grant Marking</li> </ul> </li> </ul>	Ongoing
<ul style="list-style-type: none"> <li>● <b>Zoos SA &amp; Victoria - Volunteering</b> <ul style="list-style-type: none"> <li>• Finding, trapping and transport of Mallee Emu-wren from Victorian National Parks for captivity program</li> </ul> </li> </ul>	2023
<ul style="list-style-type: none"> <li>● <b>Honours Cohort - Volunteering</b> <ul style="list-style-type: none"> <li>• Trapping and fitting GPS trackers to Chestnut Teal, Coorong SA</li> <li>• Grasswren surveys and vegetation transects, Scotia NSW</li> </ul> </li> </ul>	2024
<ul style="list-style-type: none"> <li>● <b>Arid Recovery - University coursework</b> <ul style="list-style-type: none"> <li>• Pitfall trapping - small mammals and reptiles</li> <li>• Elliot trapping - small mammals</li> <li>• Bird Surveys and mist netting / banding</li> </ul> </li> </ul>	2022
<ul style="list-style-type: none"> <li>● <b>Calperum Station - University Coursework</b> <ul style="list-style-type: none"> <li>• Tree health scoring</li> <li>• Vegetation surveys</li> <li>• Freshwater sample collection</li> </ul> </li> </ul>	2022
<ul style="list-style-type: none"> <li>● <b>Batu Kapal - University Coursework</b> <ul style="list-style-type: none"> <li>• Camera trap monitoring</li> <li>• Primate Surveys</li> <li>• Data management</li> </ul> </li> </ul>	2022
<ul style="list-style-type: none"> <li>● <b>Planting Days - various</b> <ul style="list-style-type: none"> <li>• Various tree and vegetation planting days around South Australia including private and agricultural land</li> <li>• Leading volunteer groups</li> </ul> </li> </ul>	Ongoing
<ul style="list-style-type: none"> <li>● <b>Hospitality Industy</b> <ul style="list-style-type: none"> <li>• Extensive hospitality experience including fine dining</li> <li>• Fantastic customer-facing skills and strong work ethic</li> <li>• Training and leading small teams</li> <li>• Cellar door and wine sales experience</li> </ul> </li> </ul>	Ongoing

Education

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- **Faith Lutheran College**
- **University of Adelaide**
  - Bachelor of Science, Wildlife Conservation Biology
  - Outstanding Academic Achievement Award 2020/21/22
- **University of Adelaide**
  - Honours - Ecology & Evolution Lab
  - “Validating Species Distribution for Conservation and Fire Management”

References

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<ul style="list-style-type: none"> <li>● <b>Rebecca Boulton, Ecologist</b></li> </ul>	<b>David Paton, BioR</b>
<b>Adam Toomes, Biology Society</b>	<b>Darcy Whittaker, Ecologist</b>
<b>Steven Delean, University of Adelaide</b>	<b>Cynthia Loo, Alkina Wine Estate</b>