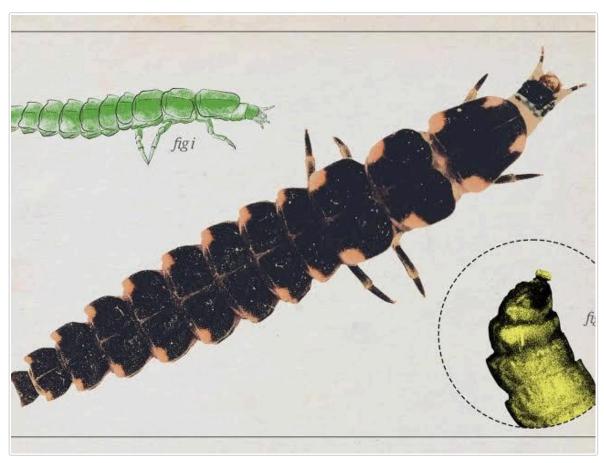
# **Glowworms**

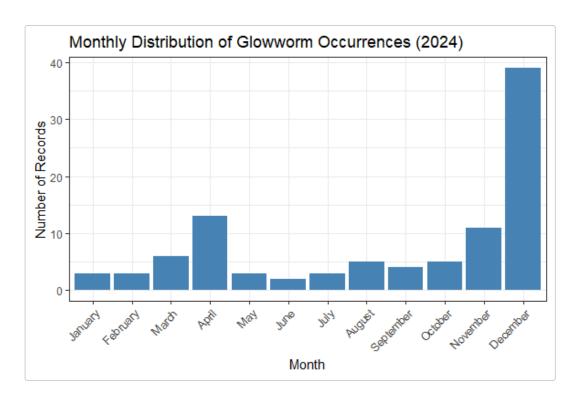


#### Glowworm

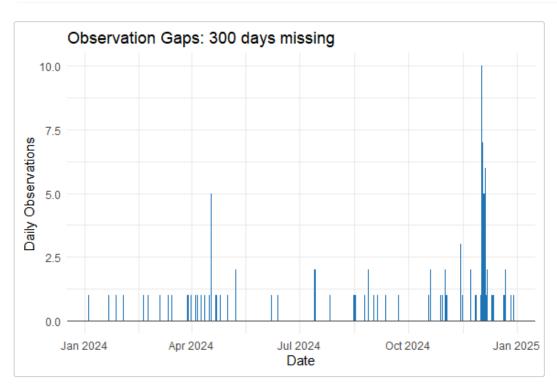
We are investigating occurrence data of <u>Glowworms</u> in Australia from the **Atlas of Living Australia**, and make a map showing the spatial locations of sightings for 2024.

the length of the records is 97

## Monthly Distribution of organism (2024)

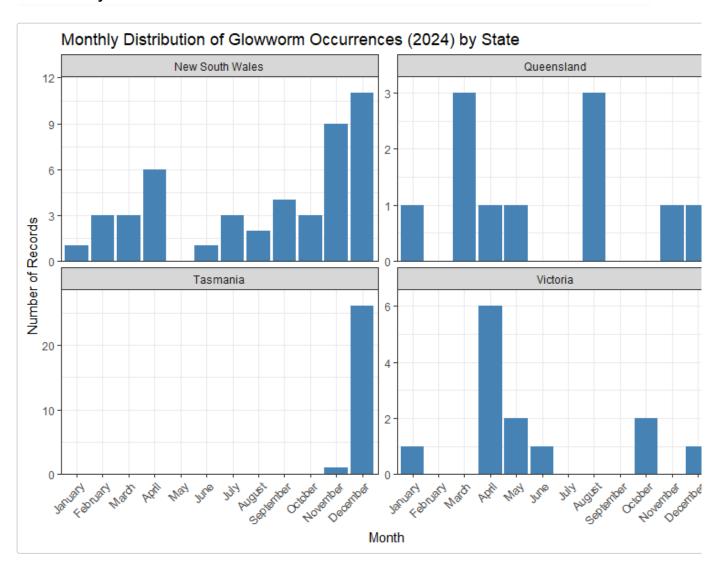


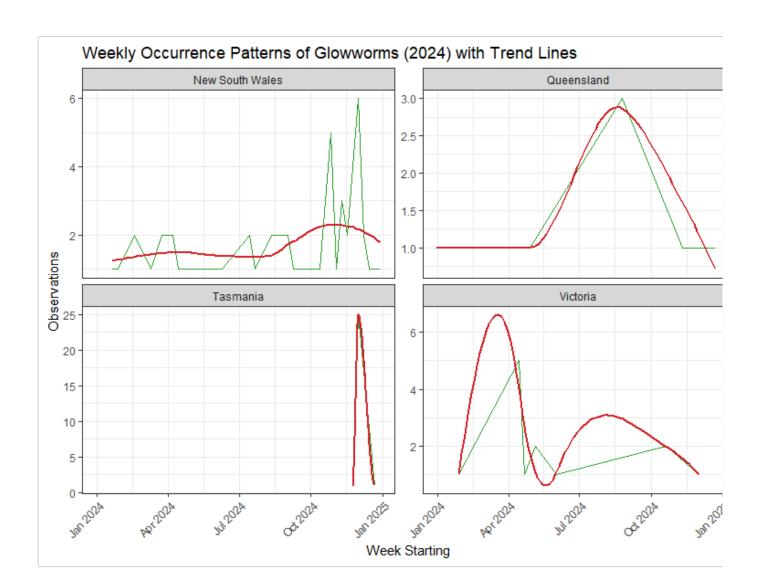
### **Data Regularity & Temporal Gaps**

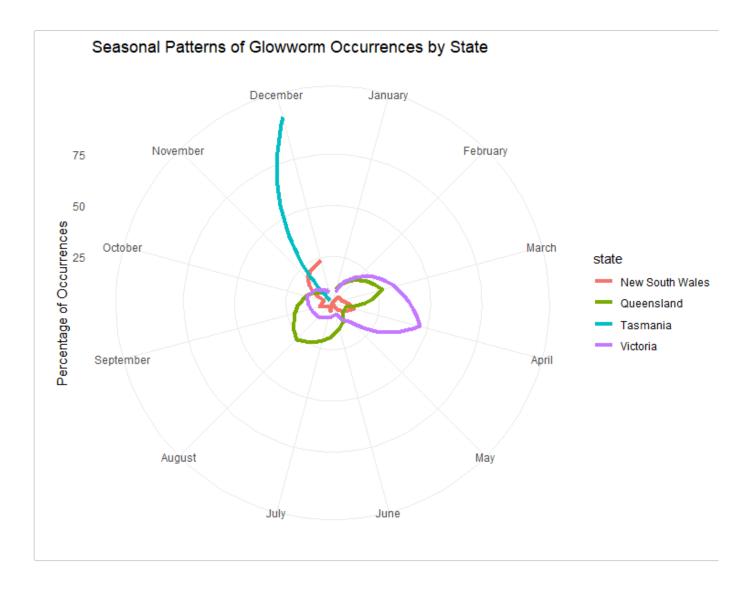


#### **Nearest Weather Station Mapping**

#### **Pattern Analysis**







#### **Datasets Overview**

We have organized the glowworm occurrence and weather station data into the following structured datasets, stored in the data/ directory:

- glowworms\_2024.rda
   Contains glowworm occurrence records across all states in Australia.
- glowworms\_2024\_ws.rda
   An enhanced version of the occurrence data, merged with the nearest weather station information, including:

```
--Station ID (weather_station_id)
--Station name (stname)
--Geographic details (lat.y, lon.y, address, city, state)
```

- glowworms\_top\_weather.rda
   Focuses on weather data from the top 3 most frequently recorded stations associated with glowworm occurrences.
- weather\_stations.rda
   A standalone dataset of all unique weather stations in Australia, providing reference metadata for cross-referencing.