

# Rock Pool National BioBlitz 2025

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The purpose of this report is to show an infographic of rocky shore species presence data collected by citizen scientists during The Rock Pool Project 2025 iNaturalist Bioblitz. The infographic displays the number of non-terrestrial records that were identified to species level, grouped into native and non-native species, across taxonomic ranks (Kingdom, Phylum and Class) using bar plots. This report also shows the code used to create the infographic.

## **Loading and preparing the data**

The following R code loads the data listed below:

- iNaturalist bioblitz 2025 data - accessed via API
- World Register of Marine Species (WoRMS) taxonomic data - accessed via API
- List of UK non-native marine species - locally stored ("Data/UK marine NNS.csv")

## **Loading iNaturalist bioblitz 2025 data**

```
## Last update: 2025-06-05 14:39:24.048
```

## **Loading and integrating WoRMS taxonomic data into the inaturalist dataframe**

## Linking to Non-native Species List

## Number of non-native species records found: 74

## Infographic

The following R code creates bar plots to show the number of non-terrestrial records that were identified to species level across three taxonomic ranks (Kingdom, Phylum and Class), split into native and non-native groups.

**Stacked bar plot of records** The infographic styling is based on the design of The Rock Pool Project website. The colours used in the plots were defined using the hex codes of colours from The Rock Pool Project website (obtained using a colour picker tool).

