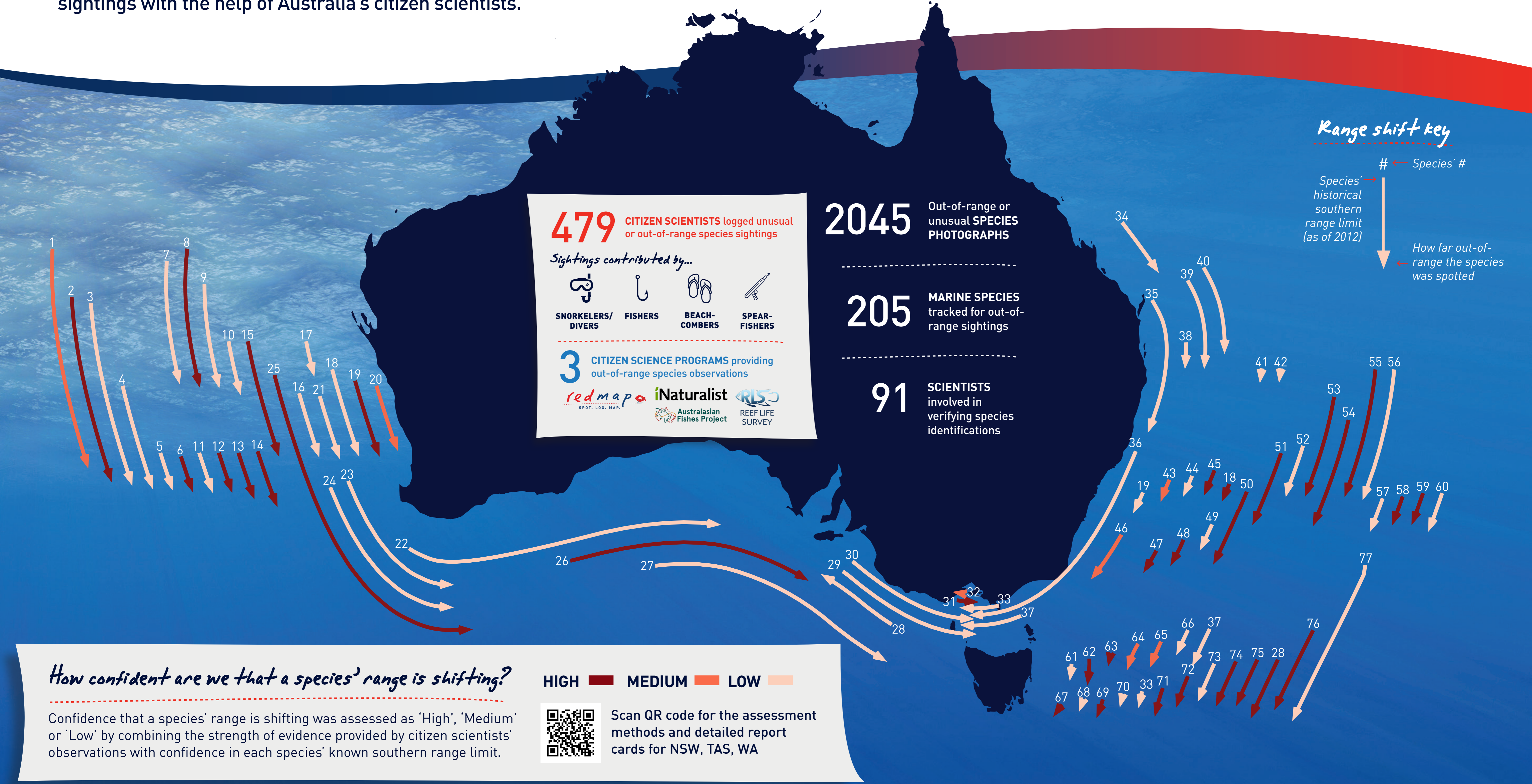


WHAT'S ON THE MOVE AROUND AUSTRALIA?



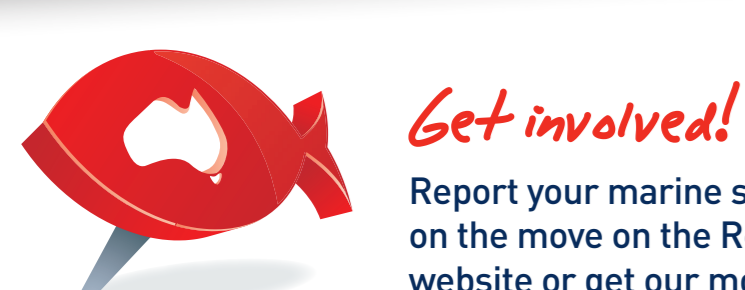
As waters warm with climate change, Australia's species are shifting in response. Redmap (Range Extension Database and Mapping Project) has documented over a decade (2012-2022) of out-of-range marine species sightings with the help of Australia's citizen scientists.



- | | | | | | | | | | | |
|--|---|--|--|--|---|---|---|--|---|---|
| 1 Giant Mud Crab
<i>Scylla serrata</i> | 2 Red Emperor
<i>Lutjanus sebae</i> | 3 Longnose Trevally
<i>Platycaranx chrysophrys</i> | 4 Rankin Cod
<i>Epinephelus multinotatus</i> | 5 Threadfin Butterflyfish
<i>Chaetodon auriga</i> | 6 Black Rabbitfish
<i>Siganus fuscescens</i> | 7 Pacific Bonefish
<i>Albula argentea</i> | 8 Green Jobfish
<i>Aprion virescens</i> | 9 Mangrove Jack
<i>Lutjanus argentimaculatus</i> | 10 Yellowedge Coronation Trout
<i>Variola louti</i> | 11 Redspot Wrasse
<i>Stethojulis bandanensis</i> |
| 12 Indo-Pacific Sergeant
<i>Abudefduf vaigiensis</i> | 13 Common Lionfish
<i>Pterois volitans</i> | 14 Redthroat Emperor
<i>Lethrinus miniatus</i> | 15 Moorish Idol
<i>Zanclus cornutus</i> | 16 Yellowtail Angelfish
<i>Chaetodontoplus personifer</i> | 17 Bluespotted Maskray
<i>Neotrygon australiae</i> | 18 Stout Moray
<i>Gymnothorax eurostus</i> | 19 Barred Soapfish
<i>Diploprion bifasciatum</i> | 20 Keyhole Angelfish
<i>Centropyge tibicen</i> | 21 Ocellate Butterflyfish
<i>Parachaetodon ocellatus</i> | 22 Blue Martin
<i>Makaira nigricans</i> |
| 23 Common Dart
<i>Trachinotus botta</i> | 24 Blacksaddle Goatfish
<i>Parupeneus spilurus</i> | 25 Shark Mackerel
<i>Grammatocyclus bicarinatus</i> | 26 Redband Wrasse
<i>Pseudolabrus biserialis</i> | 27 Wahoo
<i>Acanthocybium solandri</i> | 28 Eastern Rock Lobster
<i>Sagmariasus verreauxi</i> | 29 Banded Sweep
<i>Scorpius georgiana</i> | 30 Spotted Grubfish
<i>Paraperca ramsayi</i> | 31 Whitebarred Boxfish
<i>Anoplocapros lenticularis</i> | 32 White-ear
<i>Parma microlepis</i> | 33 Onespot Putter
<i>Chromis hypsilepis</i> |
| 34 Spine-cheek Clownfish
<i>Amphiprion bicaculeatus</i> | 35 Golden Snapper
<i>Lutjanus johnii</i> | 36 Bluespotted Coral Trout
<i>Plectropomus laevis</i> | 37 Rock Cale
<i>Aplodactylus lophodon</i> | 38 Potato Rockcod
<i>Epinephelus tukula</i> | 39 Oblique-banded Sweetlips
<i>Plectorhinchus lineatus</i> | 40 Barramundi
<i>Lates calcarifer</i> | 41 Lemon Shark
<i>Negaprion acridens</i> | 42 Whitetip Reef Shark
<i>Triaenodon obesus</i> | 43 Spiny Seahorse
<i>Hippocampus histrix</i> | 44 Brown Tang
<i>Zebriasoma scopas</i> |
| 45 Branching Coral
<i>Pocillopora aliciae</i> | 46 Striate Anglerfish
<i>Antennarius striatus</i> | 47 Banded Rockcod
<i>Hyporthodus ergastularius</i> | 48 Crested Hornshark
<i>Heterodontus galeatus</i> | 49 Fiveline Snapper
<i>Lutjanus quinquelineatus</i> | 50 Bluespine Unicornfish
<i>Naso unicornis</i> | 51 Green Moon Wrasse
<i>Thalassoma lutescens</i> | 52 Dick's Damsel
<i>Pteroglyphidodon dickii</i> | 53 Headband Humbug
<i>Dascyllus reticulatus</i> | 54 Paradise Threadfin Bream
<i>Pentapodus paradiseus</i> | 55 Dogtooth Tuna
<i>Gymnosarda unicolor</i> |
| 56 Common Coral Trout
<i>Plectropomus leopardus</i> | 57 Giant Trevally
<i>Caranx ignobilis</i> | 58 Spangled Emperor
<i>Lethrinus nebulosus</i> | 59 Bluebarred Parrotfish
<i>Scarus ghobban</i> | 60 Pearl Perch
<i>Glaucosoma scapulare</i> | 61 Sergeant Baker
<i>Latropis purpurissatus</i> | 62 Grey Morwong
<i>Nemadactylus douglasii</i> | 63 Tiger Shark
<i>Galeocerdo cuvier</i> | 64 Gloomy Octopus
<i>Octopus tetricus</i> | 65 Frigate Mackerel
<i>Axius thazard</i> | 66 Eastern Shoelnose Stingaree
<i>Trygonoptera imitata</i> |
| 67 Yellowtail Kingfish
<i>Seriola lalandi</i> | 68 Luderick
<i>Girella tricuspidata</i> | 69 Dusky Morwong
<i>Dactylophora nigricans</i> | 70 Old Wife
<i>Enoplosus armatus</i> | 71 Greater Argonaut
<i>Argonauta argo</i> | 72 Threadfin Leatherjacket
<i>Arotropis filicauda</i> | 73 Southern Fiddler Ray
<i>Trygonorrhina dumerilii</i> | 74 Rock Blackfish
<i>Girella elevata</i> | 75 Eastern King Prawn
<i>Melicertus plebejus</i> | 76 Mahi Mahi
<i>Coryphaena hippurus</i> | 77 Hairtail Blenny
<i>Xiphias setifer</i> |

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Report your marine species on the move on the Redmap website or get our mobile app

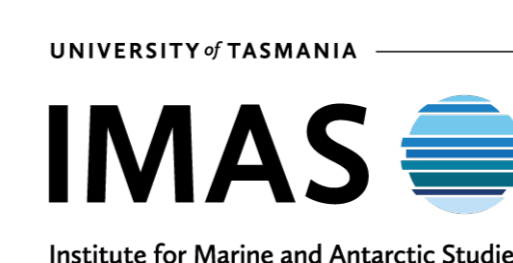


iNaturalist is an online social network where people can share, identify, and learn about species sightings (not just out-of-range or marine species), and help generate biodiversity data for scientists along the way. www.inaturalist.org

Reef Life Survey is a citizen science initiative in which trained volunteer SCUBA divers conduct standardised underwater surveys of biodiversity on rocky and coral reefs around Australia (and the world). www.reeflifesurvey.com

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