**Trends in the detection of aquatic non-indigenous species across global marine, estuarine and freshwater ecosystems: a 50-year perspective**

Bailey, S.A. et al. Diversity and Distributions

SUPPLEMENTARY MATERIAL

Table S1. Number of aquatic nonindigenous species (ANS) reported (as primary detections) across 49 coastal marine, estuarine and freshwater ecosystems between 1965-2015. The total number is broken down by population status as being established, extinct, failed or unknown, following definitions used by the National Exotic Marine and Estuarine Species Information System (<http://invasions.si.edu/nemesis/>).

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Recipient Ecosystem** | **Total ANS** | **Established ANS** | **Extinct ANS** | **Failed ANS** | **Unknown Status** |
| Mediterranean Sea | 507 | 378 | 4 | 2 | 123 |
| California Current | 167 | 142 | 2 | 8 | 15 |
| Insular Pacific-Hawaiian | 141 | 140 | 0 | 0 | 1 |
| Celtic-Biscay Shelf | 130 | 71 | 1 | 1 | 57 |
| New Zealand Shelf | 130 | 114 | 0 | 2 | 14 |
| Iberian Coast | 114 | 63 | 0 | 4 | 47 |
| South Brazil Shelf | 93 | 65 | 0 | 0 | 28 |
| Southeast U.S. Continental Shelf | 86 | 54 | 0 | 25 | 7 |
| Gulf of Alaska | 77 | 59 | 0 | 7 | 11 |
| North Sea | 69 | 41 | 2 | 5 | 21 |
| Laurentian Great Lakes | 63 | 34 | 0 | 24 | 5 |
| Northeast U.S. Continental Shelf | 62 | 48 | 1 | 3 | 10 |
| Southeast Australian Shelf | 61 | 60 | 0 | 0 | 1 |
| East Brazil Shelf | 59 | 46 | 0 | 0 | 13 |
| Patagonian Shelf | 55 | 42 | 0 | 0 | 13 |
| Baltic Sea | 52 | 24 | 0 | 16 | 12 |
| Yellow Sea | 43 | 24 | 0 | 0 | 19 |
| Madeira Archipelago | 41 | 33 | 0 | 0 | 8 |
| Black Sea | 39 | 29 | 0 | 3 | 7 |
| Benguela Current | 28 | 17 | 0 | 9 | 2 |
| Galápagos Islands | 27 | 27 | 0 | 0 | 0 |
| East Central Australian Shelf | 21 | 20 | 0 | 0 | 1 |
| Agulhas Current | 20 | 13 | 0 | 4 | 3 |
| Scotian Shelf | 19 | 19 | 0 | 0 | 0 |
| West-Central Australian Shelf | 17 | 16 | 0 | 0 | 1 |
| Southwest Australian Shelf | 12 | 11 | 0 | 0 | 1 |
| Newfoundland and Labrador Shelf | 11 | 11 | 0 | 0 | 0 |
| Northeast Australian Shelf | 10 | 10 | 0 | 0 | 0 |
| South China Sea | 10 | 6 | 0 | 0 | 4 |
| East China Sea | 9 | 3 | 0 | 0 | 6 |
| Iceland Shelf and Sea | 8 | 5 | 0 | 2 | 1 |
| Norwegian Sea | 7 | 4 | 0 | 3 | 0 |
| Barents Sea | 6 | 5 | 0 | 1 | 0 |
| Canadian Eastern Arctic - West Greenland | 4 | 0 | 0 | 0 | 4 |
| Hudson Bay Complex | 4 | 0 | 0 | 0 | 4 |
| Faroe Plateau | 3 | 2 | 0 | 0 | 1 |
| North Australian Shelf | 2 | 1 | 0 | 0 | 1 |
| Beaufort Sea | 1 | 1 | 0 | 0 | 0 |
| East Bering Sea | 1 | 1 | 0 | 0 | 0 |
| Aleutian Islands | 0 | 0 | 0 | 0 | 0 |
| Canadian High Arctic-North Greenland | 0 | 0 | 0 | 0 | 0 |
| Central Arctic Ocean | 0 | 0 | 0 | 0 | 0 |
| East Siberian Sea | 0 | 0 | 0 | 0 | 0 |
| Greenland Sea | 0 | 0 | 0 | 0 | 0 |
| Kara Sea | 0 | 0 | 0 | 0 | 0 |
| Laptev Sea | 0 | 0 | 0 | 0 | 0 |
| Northern Bering - Chukchi Seas | 0 | 0 | 0 | 0 | 0 |
| Northwest Australian Shelf | 0 | 0 | 0 | 0 | 0 |
| West Bering Sea | 0 | 0 | 0 | 0 | 0 |
| Cumulative Sum | 2209 | 1639 | 10 | 119 | 440 |

Table S2. Taxonomic composition of aquatic nonindigenous species reported (as primary detections) across 39 coastal marine, estuarine and freshwater ecosystems between 1965-2015. An additional ten regions were assessed but found to have zero confirmed records of nonindigenous species during the period of study (listed in Table S1).

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Recipient Ecosystem** | **Annelida** | **Arthropoda** | **Brachiopoda** | **Bryozoa** | **Charophyta** | **Chlorophyta** | **Chordata (Ascidians)** | **Chordata (Pisces)** | **Chordata (Other)** | **Cnidaria** | **Ctenophora** | **Echinodermata** | **Kamptozoa** | **Mollusca** | **Ochrophyta** | **Phoronida** | **Porifera** | **Rhodophyta** | **Tracheophyta** |
| Agulhas Current | 4 | 2 | 0 | 0 | 0 | 1 | 3 | 0 | 0 | 2 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 2 | 0 |
| Baltic Sea | 13 | 13 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 3 | 2 | 0 | 0 | 3 | 1 | 0 | 0 | 2 | 1 |
| Barents Sea | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Beaufort Sea | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Benguela Current | 4 | 8 | 1 | 1 | 0 | 0 | 3 | 0 | 0 | 1 | 0 | 2 | 0 | 5 | 0 | 0 | 1 | 2 | 0 |
| Black Sea | 6 | 11 | 0 | 0 | 0 | 0 | 1 | 4 | 0 | 1 | 3 | 0 | 0 | 11 | 2 | 0 | 0 | 0 | 0 |
| California Current | 20 | 46 | 0 | 6 | 0 | 4 | 16 | 11 | 0 | 15 | 1 | 0 | 0 | 23 | 8 | 0 | 1 | 14 | 2 |
| Canadian Eastern Arctic - West Greenland | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Celtic-Biscay Shelf | 16 | 39 | 0 | 6 | 0 | 4 | 7 | 2 | 0 | 3 | 1 | 0 | 0 | 22 | 3 | 0 | 0 | 27 | 0 |
| East Bering Sea | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| East Brazil Shelf | 4 | 19 | 0 | 7 | 0 | 0 | 9 | 2 | 0 | 6 | 0 | 2 | 0 | 5 | 0 | 0 | 0 | 5 | 0 |
| East Central Australian Shelf | 3 | 4 | 0 | 4 | 0 | 1 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 1 | 0 |
| East China Sea | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Faroe Plateau | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 |
| Galápagos Islands | 2 | 4 | 0 | 6 | 0 | 0 | 7 | 0 | 0 | 2 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 |
| Gulf of Alaska | 12 | 20 | 0 | 7 | 0 | 1 | 7 | 1 | 0 | 3 | 0 | 0 | 1 | 15 | 2 | 0 | 1 | 5 | 2 |
| Hudson Bay Complex | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Iberian Coast | 11 | 26 | 0 | 5 | 0 | 2 | 10 | 3 | 0 | 5 | 0 | 0 | 0 | 29 | 2 | 0 | 1 | 19 | 1 |
| Iceland Shelf and Sea | 0 | 3 | 0 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Insular Pacific-Hawaiian | 8 | 47 | 0 | 14 | 0 | 2 | 14 | 3 | 0 | 18 | 1 | 0 | 1 | 14 | 2 | 1 | 7 | 8 | 1 |
| Laurentian Great Lakes | 2 | 16 | 0 | 0 | 1 | 2 | 0 | 30 | 3 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 5 |
| Madeira Archipelago | 3 | 4 | 0 | 9 | 0 | 1 | 12 | 1 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 0 | 3 | 4 | 0 |
| Mediterranean Sea | 35 | 89 | 0 | 27 | 0 | 13 | 9 | 103 | 0 | 20 | 2 | 6 | 0 | 143 | 11 | 0 | 1 | 47 | 1 |
| New Zealand Shelf | 13 | 24 | 0 | 15 | 0 | 9 | 14 | 7 | 0 | 11 | 0 | 0 | 1 | 10 | 6 | 1 | 7 | 12 | 0 |
| Newfoundland and Labrador Shelf | 0 | 5 | 0 | 1 | 0 | 1 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| North Australian Shelf | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| North Sea | 7 | 21 | 0 | 5 | 0 | 1 | 4 | 6 | 0 | 3 | 1 | 0 | 0 | 7 | 0 | 0 | 0 | 14 | 0 |
| Northeast Australian Shelf | 1 | 3 | 0 | 3 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 |
| Northeast U.S. Continental Shelf | 4 | 14 | 0 | 5 | 0 | 0 | 6 | 3 | 0 | 3 | 0 | 0 | 2 | 10 | 2 | 0 | 0 | 13 | 0 |
| Norwegian Sea | 0 | 2 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 1 | 0 |
| Patagonian Shelf | 4 | 16 | 0 | 8 | 0 | 1 | 4 | 0 | 0 | 7 | 0 | 0 | 0 | 7 | 2 | 0 | 0 | 6 | 0 |
| Scotian Shelf | 0 | 5 | 0 | 1 | 0 | 2 | 6 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 | 0 |
| South Brazil Shelf | 12 | 31 | 0 | 3 | 0 | 1 | 13 | 8 | 0 | 10 | 0 | 1 | 0 | 8 | 0 | 0 | 0 | 6 | 0 |
| South China Sea | 0 | 2 | 0 | 1 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 1 |
| Southeast Australian Shelf | 7 | 7 | 0 | 8 | 0 | 1 | 4 | 4 | 0 | 7 | 0 | 1 | 0 | 7 | 4 | 0 | 4 | 7 | 0 |
| Southeast U.S. Continental Shelf | 5 | 15 | 0 | 4 | 0 | 2 | 2 | 35 | 1 | 7 | 0 | 0 | 0 | 7 | 1 | 0 | 0 | 6 | 1 |
| Southwest Australian Shelf | 2 | 1 | 0 | 2 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 2 | 0 |
| West-Central Australian Shelf | 1 | 7 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 0 | 0 | 0 |
| Yellow Sea | 0 | 5 | 0 | 0 | 0 | 0 | 2 | 20 | 0 | 0 | 0 | 1 | 0 | 11 | 2 | 0 | 0 | 1 | 1 |
| Cumulative Sum | 200 | 522 | 1 | 148 | 1 | 51 | 160 | 279 | 4 | 131 | 11 | 13 | 5 | 373 | 57 | 2 | 26 | 209 | 16 |

Table S3. Assigned pathways of introduction for aquatic nonindigenous species detected in 39 Large Marine Ecosystems and the Laurentian Great Lakes, from 1965-2015. An additional ten LMEs were assessed but found to have zero confirmed records of nonindigenous species during the period of study (listed in Table S1). Where multiple pathways are implicated in a single event, each pathway is tallied, resulting in 1887 pathway assignments corresponding to 1618 unique introduction events.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Recipient Ecosystem** | **Corridor (Interconnected Waterways/Basins/Seas)** | **Escape (Aquaculture/Mariculture)** | **Escape (Botanical garden/zoo/aquaria)** | **Escape (Horticulture)** | **Escape (Live food and live bait)** | **Escape (Ornamental)** | **Escape (Pet/Aquarium Species)** | **Escape (Research)** | **Release (Biological Control)** | **Release (Erosion Control)** | **Release (Fishery in the Wild)** | **Release (Other intentional release)** | **Transport - Contaminant (Contaminant on Animals)** | **Transport - Contaminant (Contaminant on Plants)** | **Transport - Contaminant (Contaminated Bait)** | **Transport - Contaminant (Parasites on Animals)** | **Transport - Stowaway (Angling/Fishing Gear)** | **Transport - Stowaway (Ballast Water)** | **Transport - Stowaway (Container/Bulk)** | **Transport - Stowaway (Hitchhikers on Plane)** | **Transport - Stowaway (Hitchhikers on Ship)** | **Transport - Stowaway (Organic packaging material)** | **Transport - Stowaway (Ship Fouling)** | **Unaided (Rafting on Anthropogenic Debris)** |
| Agulhas Current | 0 | 5 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 0 | 0 | 17 | 0 |
| Baltic Sea | 5 | 7 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 5 | 0 | 3 | 0 | 0 | 0 | 1 | 34 | 0 | 0 | 0 | 0 | 28 | 0 |
| Barents Sea | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 1 | 4 | 0 | 0 | 0 | 0 | 2 | 0 |
| Beaufort Sea | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 |
| Benguela Current | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 23 | 0 | 0 | 0 | 0 | 23 | 0 |
| Black Sea | 0 | 7 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 35 | 0 | 0 | 0 | 0 | 24 | 0 |
| California Current | 0 | 18 | 0 | 0 | 3 | 0 | 7 | 2 | 4 | 1 | 5 | 0 | 4 | 2 | 0 | 0 | 1 | 138 | 0 | 0 | 0 | 0 | 118 | 1 |
| Canadian Eastern Arctic - West Greenland | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 1 | 0 |
| Celtic-Biscay Shelf | 0 | 58 | 0 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 1 | 0 | 8 | 0 | 0 | 0 | 1 | 94 | 0 | 1 | 0 | 0 | 89 | 0 |
| East Bering Sea | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| East Brazil Shelf | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 56 | 0 | 0 | 0 | 0 | 56 | 0 |
| East Central Australian Shelf | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 | 0 | 0 | 0 | 0 | 17 | 0 |
| East China Sea | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 0 |
| Faroe Plateau | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 | 0 |
| Galápagos Islands | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 24 | 0 | 0 | 2 | 0 | 24 | 0 |
| Gulf of Alaska | 0 | 27 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 3 | 0 | 0 | 0 | 0 | 60 | 0 | 0 | 0 | 0 | 51 | 0 |
| Hudson Bay Complex | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 1 | 0 |
| Iberian Coast | 1 | 4 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 44 | 0 | 0 | 0 | 0 | 98 | 0 | 0 | 0 | 0 | 84 | 0 |
| Iceland Shelf and Sea | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 5 | 0 |
| Insular Pacific-Hawaiian | 0 | 5 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 0 | 115 | 4 | 1 | 9 | 0 | 109 | 0 |
| Laurentian Great Lakes | 6 | 1 | 0 | 3 | 4 | 2 | 19 | 1 | 1 | 0 | 5 | 0 | 2 | 1 | 0 | 2 | 0 | 27 | 0 | 0 | 0 | 0 | 12 | 0 |
| Madeira Archipelago | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 0 | 0 | 0 | 0 | 40 | 3 |
| Mediterranean Sea | 314 | 9 | 1 | 0 | 1 | 0 | 16 | 0 | 0 | 1 | 3 | 1 | 59 | 0 | 0 | 14 | 0 | 248 | 0 | 0 | 0 | 3 | 225 | 0 |
| New Zealand Shelf | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 120 | 0 | 0 | 0 | 0 | 124 | 0 |
| Newfoundland and Labrador Shelf | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 6 | 9 | 2 | 0 | 0 | 0 | 10 | 0 |
| North Australian Shelf | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 | 0 |
| North Sea | 2 | 24 | 0 | 0 | 3 | 0 | 3 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 55 | 0 | 0 | 0 | 0 | 46 | 0 |
| Northeast Australian Shelf | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 10 | 0 |
| Northeast U.S. Continental Shelf | 0 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 | 1 | 0 | 0 | 0 | 56 | 0 |
| Norwegian Sea | 0 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 4 | 0 |
| Patagonian Shelf | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 52 | 0 | 0 | 0 | 0 | 51 | 0 |
| Scotian Shelf | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 1 | 0 | 8 | 17 | 1 | 0 | 0 | 0 | 17 | 0 |
| South Brazil Shelf | 0 | 14 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 87 | 0 | 0 | 0 | 0 | 78 | 4 |
| South China Sea | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 4 | 0 |
| Southeast Australian Shelf | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 58 | 0 | 0 | 0 | 0 | 60 | 0 |
| Southeast U.S. Continental Shelf | 0 | 9 | 1 | 0 | 0 | 0 | 33 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 45 | 0 | 0 | 0 | 0 | 44 | 0 |
| Southwest Australian Shelf | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 0 | 0 | 0 | 12 | 0 |
| West-Central Australian Shelf | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 | 0 | 0 | 0 | 0 | 15 | 0 |
| Yellow Sea | 0 | 38 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 4 | 0 |
| Cumulative Sum | 329 | 260 | 2 | 3 | 21 | 2 | 91 | 4 | 8 | 4 | 26 | 1 | 141 | 7 | 2 | 16 | 24 | 1599 | 8 | 2 | 11 | 3 | 1468 | 8 |