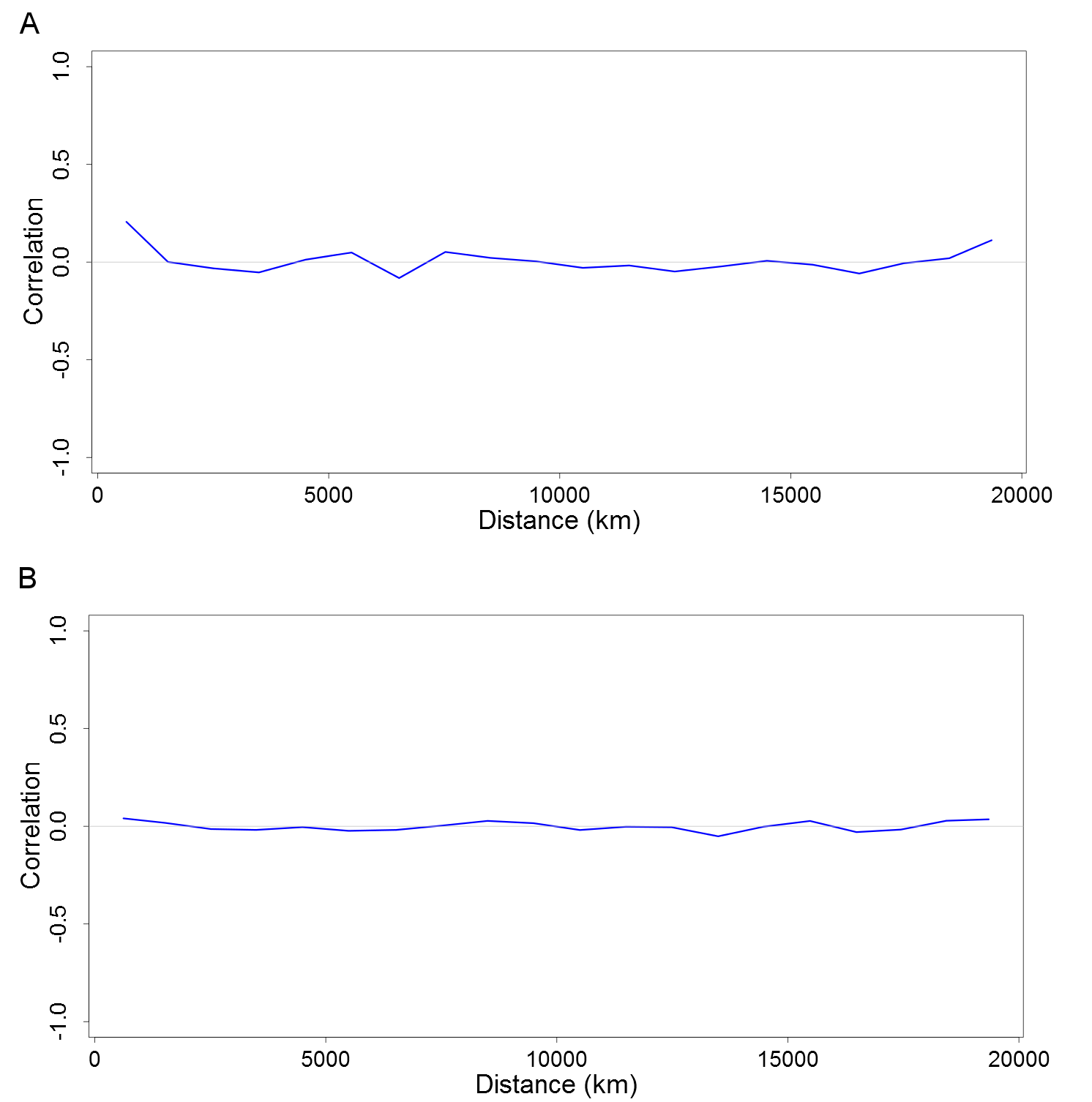
**SUPPORTING INFORMATION – APPENDIX 2**

# Supporting information of the manuscript 'Diversity, biogeography and the global flows of alien amphibians and reptiles' by César Capinha, Hanno Seebens, Phillip Cassey, Pablo García-Díaz, Bernd Lenzner, Thomas Mang, Dietmar Moser, Petr Pyšek, Riccardo Scalera, Dennis Rödder, Marten Winter, Stefan Dullinger and Franz Essl\*.

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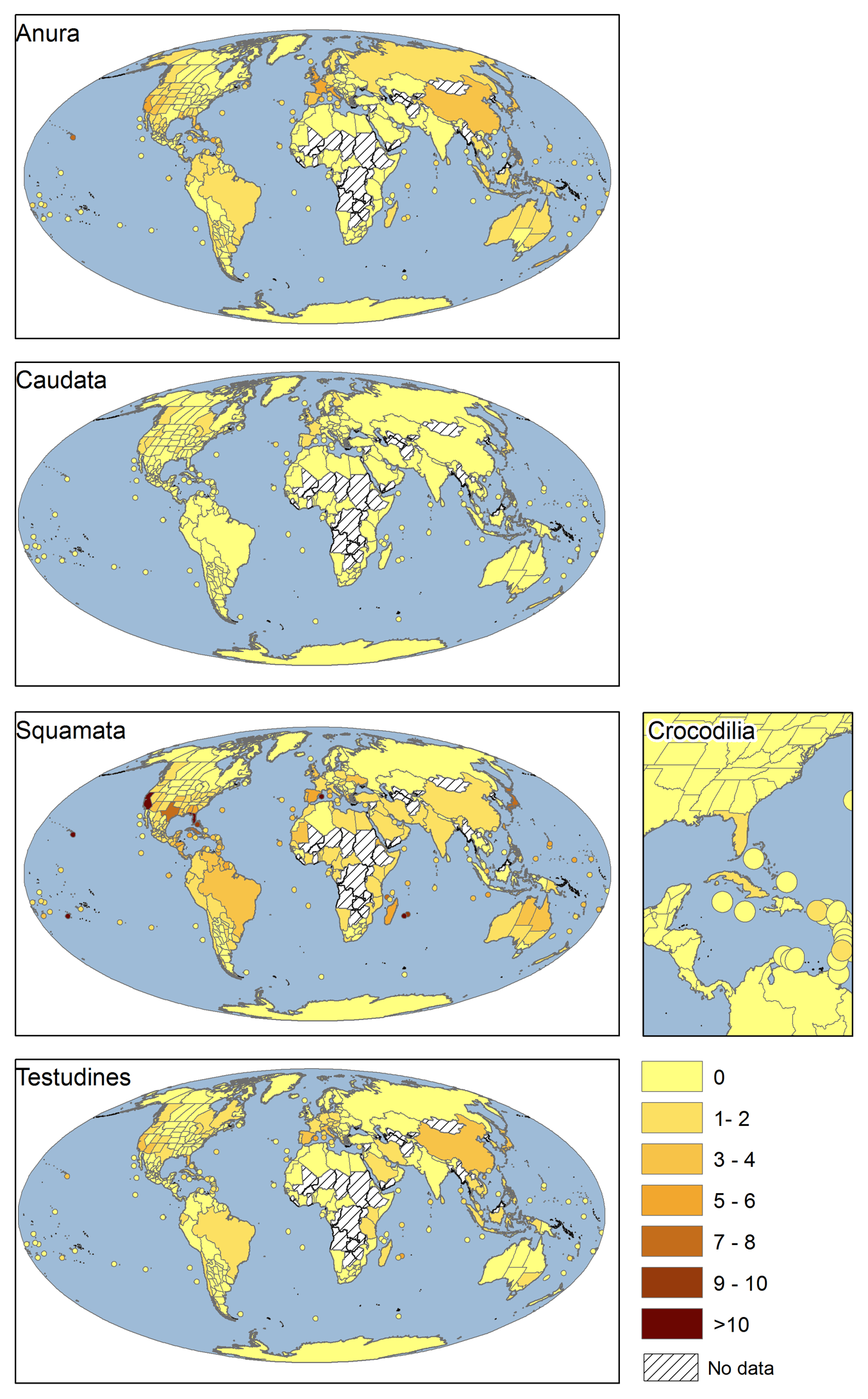
# Supporting Figures



**Fig. S1:** Correlograms testing for spatial autocorrelation of the GLMM’s residuals of established alien amphibians (A) and reptiles (B) species richness using equidistant lags of 1,000 km.



**Fig. S2:** Number of first records of established alien amphibian (A) and reptile (B) species per region of the Alien Species First Record Database. Colours indicate the number of first records of established alien species. Ellipses denote first records on small islands and archipelagos otherwise not visible.



**Fig. S3:** Number of established alien amphibian and reptile species per taxonomic order in the 359 regions of the Global Alien Herptile Database.

**Supporting Tables**

**Table S1**: The year of publication of the sources from which the establishment records of alien amphibians and alien reptiles were collected. Total numbers and percentages (in parenthesis) of records are given for major continental regions (TDWG continents) for two time periods: publications before 2009 and publications from 2009 onwards. Online sources are not dated and are given in a category of their own.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Amphibians** | | |  | **Reptiles** | | |
| **TDWG-continents** | **Publications <2009** | **Publications ≥2009** | **Online sources** |  | **Publications <2009** | **Publications ≥2009** | **Online sources** |
| Africa | 6 (2) | 6 (2) | 2 (1) |  | 45 (6) | 29 (4) | 30 (4) |
| Asia-Temperate | 5 (2) | 5 (2) | 6 (2) |  | 19 (3) | 15 (2) | 14 (2) |
| Asia-Tropical | 7 (3) | 6 (2) | 2 (1) |  | 9 (1) | 15 (2) | 16 (2) |
| Australasia | 0 (0) | 4 (2) | 6 (2) |  | 1 (0) | 7 (1) | 6 (1) |
| Europe | 32 (12) | 6 (2) | 11 (4) |  | 57 (8) | 25 (3) | 6 (1) |
| Northern America | 12 (4) | 4 (2) | 53 (19) |  | 44 (6) | 49 (6) | 109 (14) |
| Pacific | 9 (3) | 4 (2) | 8 (3) |  | 12 (2) | 31 (4) | 48 (6) |
| Southern America | 15 (6) | 22 (8) | 42 (15) |  | 33 (4) | 57 (7) | 88 (12) |
| **Total** | 86 (31) | 57 (21) | 130 (48) |  | 220 (29) | 222 (29) | 317 (42) |

**Table S2**: Regions (n = 331) included in the Generalized Linear Mixed Models with geographical, biological, climatic and socioeconomic explanatory variables, and their established alien amphibian and reptile species richness. Legend: *Reg.name*: TDWG level 4 or GADM region name; *Alien amphibians:* number of established amphibian species; *Alien reptiles*: number of established reptile species; *Insularity:* whether the region is an island (yes/no); *Area:* geographical extent of the region(km2)*; Dist.mainland*: distance to mainland (km); *Native.amphibians*: number of native amphibian species; *Temperature*: mean annual temperature (°C); *Precipitation:* mean annual precipitation (mm); *Tot.hum.pop*: total human population; *Pc.GDP*: per capita gross domestic product (GDP, in US Dollar). *Clim.diversity*: climatic diversity. These regions are a subset of regions included in the global database of established alien amphibians and reptiles (n=359) and for which information for all the predictors considered was available.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Reg.name** | **Alien Amphibians** | **Alien Reptiles** | **Insularity** | **Area** | **Dist.mainland** | **Native.amphibians** | **Temperature** | **Precipitation** | **Tot.hum.pop** | **Pc.GDP** | **Clim.diversity** |
| GADM-Brazil | 2 | 5 | N | 8473889.6 | 0.0 | 878 | 24.5 | 1754 | 187410000 | 8325 | 37 |
| GADM-Chile | 2 | 2 | N | 745864.4 | 0.0 | 58 | 8.7 | 1021 | 16780800 | 12527 | 47 |
| GADM-China | 3 | 5 | N | 9370125.2 | 0.0 | 357 | 6.4 | 562 | 1322900000 | 7746 | 97 |
| GADM-India | 0 | 1 | N | 3153190.0 | 0.0 | 273 | 23.9 | 1114 | 1185000000 | 3477 | 92 |
| GADM-Indonesia | 1 | 2 | Y | 1901074.8 | 0.0 | 365 | 25.1 | 2692 | 232888000 | 3137 | 34 |
| GADM-Japan | 5 | 12 | Y | 372816.6 | 0.0 | 56 | 10.6 | 1696 | 123489000 | 30094 | 27 |
| GADM-New Zeal. | 4 | 1 | Y | 269151.3 | 0.0 | 2 | 10.2 | 1651 | 4010920 | 33394 | 29 |
| Russia | 1 | 0 | N | 16944688.4 | 0.0 | 34 | -6.3 | 434 | 142858000 | 15062 | 63 |
| United Kingdom | 7 | 3 | Y | 244816.4 | 0.0 | 6 | 8.4 | 983 | 61303900 | 34267 | 13 |
| Alberta | 0 | 0 | N | 654935.7 | 0.0 | 12 | 0.3 | 454 | 3573350 | 49837 | 17 |
| Buenos Aires | 1 | 2 | N | 306185.5 | 0.0 | 32 | 15 | 811 | 15470900 | 8458 | 9 |
| Chaco | 0 | 1 | N | 99206.9 | 0.0 | 57 | 21.8 | 937 | 1077950 | 4259 | 5 |
| Corrientes | 0 | 0 | N | 88614.2 | 0.0 | 66 | 20.7 | 1292 | 989580 | 4467 | 5 |
| Córdoba | 1 | 0 | N | 167772.3 | 0.0 | 34 | 17.3 | 739 | 3310220 | 9314 | 16 |
| Argentina Distrito Federal | 1 | 2 | N | 179.9 | 0.0 | 22 | 16.7 | 1033 | 2527300 | 28358 | 3 |
| Entre Ríos | 0 | 0 | N | 78071.7 | 0.0 | 47 | 18.2 | 1059 | 1252700 | 6187 | 3 |
| Formosa | 0 | 0 | N | 76151.8 | 0.0 | 49 | 22.6 | 934 | 545628 | 3704 | 4 |
| La Pampa | 0 | 0 | N | 142702.9 | 0.0 | 12 | 15.2 | 448 | 320089 | 10875 | 5 |
| Misiones | 1 | 1 | N | 30127.8 | 0.0 | 66 | 19.8 | 1722 | 1111710 | 4370 | 4 |
| Chubut | 0 | 0 | N | 221716.7 | 0.0 | 17 | 9.9 | 251 | 505419 | 16100 | 18 |
| Neuquén | 0 | 0 | N | 93585.5 | 0.0 | 18 | 10.2 | 433 | 530201 | 19853 | 23 |
| Rio Negro | 0 | 0 | N | 202969.9 | 0.0 | 26 | 12.1 | 269 | 654920 | 8349 | 18 |
| Santa Cruz | 0 | 0 | N | 238779.1 | 0.0 | 3 | 7.8 | 248 | 272308 | 26257 | 23 |
| Catamarca | 0 | 0 | N | 99174.8 | 0.0 | 27 | 11 | 198 | 361862 | 14428 | 15 |
| Jujuy | 0 | 0 | N | 53038.9 | 0.0 | 39 | 10.1 | 297 | 669942 | 4709 | 18 |
| La Rioja | 0 | 0 | N | 91670.0 | 0.0 | 17 | 15.8 | 281 | 335345 | 5326 | 13 |
| Mendoza | 1 | 0 | N | 151222.5 | 0.0 | 9 | 11.8 | 312 | 1750900 | 9302 | 15 |
| Salta | 1 | 0 | N | 155914.4 | 0.0 | 54 | 16.5 | 513 | 1222560 | 5072 | 22 |
| Santiago del Estero | 0 | 0 | N | 135031.2 | 0.0 | 39 | 21 | 660 | 877181 | 3890 | 8 |
| San Juan | 1 | 0 | N | 86785.4 | 0.0 | 11 | 9.8 | 169 | 676285 | 4816 | 15 |
| San Luis | 0 | 0 | N | 77386.2 | 0.0 | 18 | 16.5 | 505 | 441687 | 9679 | 13 |
| Tucumán | 0 | 0 | N | 23080.7 | 0.0 | 22 | 17.5 | 665 | 1445490 | 4594 | 20 |
| Alabama | 1 | 5 | Y | 134428.5 | 0.0 | 70 | 17 | 1446 | 4790620 | 34711 | 7 |
| Albania | 0 | 1 | N | 28676.8 | 0.0 | 17 | 11.4 | 1146 | 2728510 | 4094 | 24 |
| Algeria | 0 | 1 | N | 2317476.8 | 0.0 | 10 | 23 | 80 | 34815700 | 5989 | 41 |
| Arizona | 3 | 6 | N | 294312.7 | 0.0 | 26 | 15 | 321 | 6375310 | 35783 | 32 |
| Arkansas | 1 | 1 | N | 137545.3 | 0.0 | 64 | 15.7 | 1263 | 2917630 | 33987 | 5 |
| Aruba | 2 | 7 | Y | 206.4 | 27075.0 | 1 | 27.3 | 420 | 100214 | 24289 | 2 |
| Alaska | 2 | 0 | N | 1302450.2 | 0.0 | 7 | -5.5 | 474 | 676039 | 45826 | 34 |
| Austria | 0 | 1 | N | 83956.9 | 0.0 | 20 | 5.8 | 1044 | 8375240 | 38586 | 22 |
| Liechtenstein | 1 | 1 | N | 175.3 | 0.0 | 9 | 6.5 | 1202 | 40787 | 140707 | 6 |
| Azores | 2 | 2 | Y | 2102.1 | 1370640.7 | 0 | 16 | 1113 | 210044 | 19786 | 12 |
| Bahamas | 4 | 11 | Y | 12813.0 | 104680.4 | 4 | 25.2 | 1039 | 252683 | 21941 | 4 |
| Baleares | 3 | 17 | Y | 5101.7 | 87935.7 | 2 | 16.3 | 584 | 1002130 | 28763 | 6 |
| Benin | 0 | 2 | N | 116173.1 | 0.0 | 42 | 27.2 | 1063 | 8974520 | 1164 | 7 |
| Bermuda | 2 | 5 | Y | 40.3 | 1057511.1 | 0 | 21.5 | 1476 | 26065 | 88207 | 1 |
| Belgium | 3 | 1 | N | 30640.7 | 0.0 | 17 | 9.4 | 859 | 10858200 | 35559 | 5 |
| Luxembourg | 0 | 1 | N | 2583.2 | 0.0 | 15 | 8.7 | 855 | 511525 | 73243 | 3 |
| Estonia | 0 | 0 | N | 45978.0 | 0.0 | 11 | 5.1 | 629 | 1228900 | 17017 | 3 |
| Latvia | 0 | 0 | N | 64631.0 | 0.0 | 13 | 5.6 | 660 | 1968450 | 12031 | 3 |
| Lithuania | 0 | 0 | N | 65047.5 | 0.0 | 13 | 6.2 | 663 | 3047810 | 14136 | 3 |
| Belize | 0 | 4 | N | 22141.8 | 0.0 | 39 | 24.8 | 2040 | 302686 | 4527 | 12 |
| Bolivia | 0 | 1 | N | 1086530.7 | 0.0 | 272 | 20.4 | 1150 | 9688660 | 1935 | 43 |
| Bouvet I. | 0 | 0 | Y | 58.3 | 2515914.5 | 0 | 6.5 | 3224 | 0 | 0 | 1 |
| British Columbia | 3 | 3 | N | 770857.2 | 0.0 | 22 | 0.7 | 774 | 4162760 | 35304 | 46 |
| Bulgaria | 0 | 0 | N | 111006.2 | 0.0 | 18 | 10.2 | 609 | 7352560 | 10589 | 19 |
| Central African Republic | 0 | 1 | N | 618575.1 | 0.0 | 84 | 24.9 | 1368 | 4303100 | 457 | 11 |
| California | 6 | 15 | N | 407759.0 | 0.0 | 68 | 13.6 | 543 | 36388800 | 44046 | 59 |
| Cayman Is. | 1 | 8 | Y | 306.4 | 487474.8 | 2 | 26.4 | 1337 | 38454 | 58857 | 1 |
| Cambodia | 0 | 2 | N | 182007.3 | 0.0 | 58 | 26.7 | 1783 | 14013200 | 783 | 18 |
| Hong Kong | 0 | 3 | Y | 1061.4 | 0.0 | 27 | 22.1 | 2056 | 7024000 | 32550 | 1 |
| Macau | 0 | 0 | N | 6.8 | 0.0 | 20 | 22.6 | 1812 | 381957 | 53046 | 1 |
| Cocos (Keeling) Is. | 0 | 4 | Y | 28.7 | 1653818.2 | 0 | 26.6 | 1939 | 570 | 41107 | 1 |
| Colombia | 2 | 2 | N | 1135625.5 | 0.0 | 742 | 24.6 | 2671 | 47148200 | 7534 | 48 |
| Cameroon | 0 | 1 | N | 464799.9 | 0.0 | 202 | 24.3 | 1644 | 20243600 | 1743 | 32 |
| Connecticut | 1 | 2 | N | 12844.4 | 0.0 | 27 | 9.2 | 1213 | 3499530 | 56193 | 5 |
| Canary Is. | 2 | 5 | Y | 7521.1 | 97109.2 | 0 | 17.6 | 286 | 1814000 | 27332 | 19 |
| Colorado | 1 | 1 | N | 271032.6 | 0.0 | 18 | 6.4 | 434 | 5029670 | 43819 | 17 |
| Mayotte | 0 | 1 | Y | 449.4 | 477113.2 | 0 | 25.3 | 1270 | 179320 | 6575 | 4 |
| Cook Is. | 0 | 14 | Y | 201.0 | 4542747.6 | 0 | 24.5 | 1995 | 12496 | 9100 | 5 |
| Corse | 1 | 5 | Y | 8783.0 | 87691.7 | 7 | 12.7 | 728 | 296320 | 31299 | 12 |
| Costa Rica | 2 | 6 | Y | 51064.2 | 0.0 | 181 | 23.5 | 2969 | 4214010 | 9939 | 24 |
| Clipperton I. | 0 | 1 | Y | 7.4 | 1081463.4 | 0 | 26.9 | 194 | 0 | 0 | 1 |
| Eastern Cape Province | 0 | 0 | N | 170097.3 | 0.0 | 55 | 15.8 | 585 | 6644390 | 6975 | 23 |
| Northern Cape Province | 0 | 0 | N | 362351.2 | 0.0 | 27 | 17.5 | 236 | 939269 | 6975 | 12 |
| Western Cape Province | 0 | 1 | N | 129047.5 | 0.0 | 50 | 16.2 | 363 | 5551920 | 6975 | 19 |
| Micronesia Federated States | 1 | 5 | Y | 770.2 | 1926541.8 | 0 | 26.9 | 4464 | 56306 | 3000 | 2 |
| Palau | 1 | 4 | Y | 511.3 | 1815950.5 | 1 | 27.4 | 3508 | 12301 | 9005 | 2 |
| Cuba | 1 | 9 | Y | 109977.7 | 199159.9 | 61 | 25 | 1329 | 10955800 | 5702 | 18 |
| Cape Verde | 1 | 3 | Y | 3525.2 | 570652.4 | 0 | 21.9 | 252 | 404774 | 3413 | 14 |
| Cyprus | 0 | 2 | Y | 9258.8 | 71464.9 | 3 | 17.9 | 515 | 1087140 | 30439 | 17 |
| Czech Republic | 0 | 1 | N | 78751.6 | 0.0 | 21 | 7.4 | 663 | 10431800 | 23394 | 10 |
| Slovakia | 0 | 1 | N | 48936.3 | 0.0 | 19 | 7.7 | 746 | 5406170 | 19288 | 17 |
| Delaware | 0 | 1 | N | 5069.4 | 0.0 | 32 | 12.7 | 1094 | 875912 | 41541 | 2 |
| Denmark | 1 | 1 | N | 42958.7 | 0.0 | 14 | 7.8 | 708 | 5242100 | 33717 | 4 |
| Djibouti | 0 | 1 | N | 21434.3 | 0.0 | 7 | 28.1 | 172 | 729238 | 1353 | 13 |
| Dominican Republic | 2 | 5 | Y | 48417.0 | 561857.8 | 37 | 24 | 1367 | 9310030 | 5295 | 28 |
| Desventurados Is. | 0 | 0 | Y | 6.0 | 871980.0 | 0 | 16.3 | 161 | 0 | 0 | 1 |
| Easter Is. | 0 | 2 | Y | 189.0 | 3219685.1 | 0 | 20.1 | 1150 | 4888 | 12527 | 1 |
| Ecuador | 1 | 2 | N | 247904.9 | 0.0 | 485 | 20.9 | 2036 | 28292500 | 5520 | 47 |
| Egypt | 0 | 1 | N | 926261.6 | 0.0 | 7 | 22.1 | 12 | 76460700 | 4340 | 14 |
| Bhutan | 0 | 1 | N | 39851.2 | 0.0 | 31 | 10.1 | 1559 | 762647 | 2201 | 26 |
| El Salvador | 0 | 2 | N | 20585.1 | 0.0 | 34 | 24.4 | 1837 | 5904770 | 6168 | 20 |
| Equatorial Guinea | 0 | 1 | N | 24894.1 | 0.0 | 81 | 23.2 | 2212 | 1410080 | 16612 | 8 |
| Eritrea | 0 | 3 | N | 121034.9 | 0.0 | 19 | 26.2 | 353 | 3639590 | 369 | 25 |
| Falkland Is. | 0 | 0 | Y | 11751.5 | 399693.2 | 0 | 5.7 | 545 | 2779 | 34267 | 2 |
| Fiji | 1 | 3 | Y | 19318.6 | 2632720.9 | 2 | 24.2 | 2539 | 796617 | 3649 | 8 |
| Finland | 1 | 0 | N | 335928.4 | 0.0 | 5 | 1.3 | 561 | 5174670 | 32992 | 9 |
| Florida | 4 | 54 | N | 146585.0 | 0.0 | 58 | 21.3 | 1348 | 18058700 | 39587 | 10 |
| Faroe | 1 | 0 | Y | 1599.6 | 595760.1 | 0 | 5.8 | 1444 | 42527 | 46413 | 4 |
| France | 7 | 3 | N | 539383.6 | 0.0 | 28 | 10.5 | 817 | 61541700 | 31299 | 29 |
| Monaco | 0 | 0 | N | 12.5 | 0.0 | 6 | 13.3 | 826 | 17221 | 132571 | 5 |
| French Guiana | 1 | 2 | N | 83625.7 | 0.0 | 107 | 25.4 | 2697 | 227033 | 19600 | 9 |
| Gabon | 0 | 1 | N | 260692.2 | 0.0 | 89 | 24.5 | 1855 | 1956730 | 10120 | 13 |
| Galápagos | 2 | 4 | Y | 7940.5 | 927986.0 | 0 | 22.6 | 670 | 48472 | 15568 | 15 |
| Gambia | 0 | 1 | N | 10714.8 | 0.0 | 30 | 27.2 | 798 | 1686910 | 1110 | 5 |
| Georgia (US) | 1 | 5 | N | 152468.4 | 0.0 | 82 | 17.4 | 1283 | 9701750 | 2614 | 11 |
| Germany | 1 | 1 | N | 357575.2 | 0.0 | 22 | 8.4 | 729 | 80454000 | 34230 | 17 |
| Príncipe | 0 | 1 | Y | 189.5 | 217204.6 | 3 | 23.9 | 1907 | 6766 | 2688 | 5 |
| São Tomé | 0 | 1 | Y | 956.7 | 234990.6 | 5 | 22.7 | 2414 | 159436 | 2688 | 12 |
| Guinea-Bissau | 0 | 0 | N | 33969.5 | 0.0 | 34 | 26.6 | 1702 | 1579250 | 1340 | 5 |
| Greenland | 0 | 0 | Y | 282113.7 | 0.0 | 0 | -17.1 | 682 | 37007 | 40447 | 21 |
| Greece | 1 | 4 | N | 117547.5 | 0.0 | 19 | 13.7 | 690 | 9406190 | 25226 | 39 |
| Bahrain | 0 | 2 | Y | 650.7 | 5554.1 | 1 | 26.3 | 70 | 880163 | 22386 | 2 |
| Qatar | 0 | 0 | N | 11110.1 | 0.0 | 0 | 26.8 | 73 | 1656450 | 71510 | 2 |
| United Arab Emirates | 0 | 2 | N | 70511.5 | 0.0 | 2 | 27.1 | 74 | 5119650 | 61097 | 11 |
| Guatemala | 0 | 3 | N | 108994.1 | 0.0 | 144 | 22.9 | 1998 | 14326700 | 5589 | 41 |
| Guinea | 0 | 0 | N | 245061.6 | 0.0 | 89 | 25.7 | 1834 | 10321600 | 435 | 22 |
| Guyana | 0 | 3 | N | 210679.9 | 0.0 | 148 | 26 | 2031 | 757090 | 2874 | 24 |
| Haiti | 2 | 1 | Y | 27258.1 | 616947.7 | 52 | 24 | 1518 | 9680080 | 1269 | 26 |
| Hawaiian Is. | 7 | 25 | Y | 16858.7 | 3294631.6 | 0 | 18.5 | 1700 | 1277910 | 43047 | 34 |
| Heard-McDonald Is. | 0 | 0 | Y | 402.6 | 3851072.8 | 0 | 0.7 | 903 | 0 | 0 | 8 |
| Honduras | 1 | 5 | N | 112160.6 | 0.0 | 126 | 23.6 | 1732 | 7926500 | 3299 | 27 |
| Hungary | 0 | 2 | N | 92988.7 | 0.0 | 17 | 10.4 | 587 | 10009000 | 16556 | 8 |
| Iceland | 0 | 0 | Y | 85482.1 | 971870.2 | 0 | 1.2 | 1177 | 287531 | 41696 | 14 |
| Idaho | 2 | 0 | N | 216274.8 | 0.0 | 14 | 5 | 485 | 1551970 | 33046 | 19 |
| Illinois | 0 | 1 | N | 150177.1 | 0.0 | 49 | 10.9 | 971 | 12829300 | 43554 | 4 |
| Indiana | 0 | 1 | N | 94753.9 | 0.0 | 46 | 10.8 | 1031 | 6478740 | 35205 | 4 |
| Iowa | 0 | 0 | N | 145268.8 | 0.0 | 27 | 8.7 | 839 | 3044680 | 39409 | 5 |
| Ireland | 1 | 1 | Y | 69702.3 | 413487.1 | 3 | 9.2 | 1100 | 4352730 | 47904 | 7 |
| Iran | 0 | 2 | N | 1623444.9 | 0.0 | 23 | 17 | 212 | 74751400 | 9429 | 44 |
| Iraq | 0 | 1 | N | 436205.8 | 0.0 | 6 | 21.5 | 206 | 31879000 | 4487 | 29 |
| Italy | 5 | 6 | N | 250698.1 | 0.0 | 34 | 11.5 | 863 | 51775100 | 28381 | 48 |
| San Marino | 0 | 0 | N | 67.6 | 0.0 | 9 | 12.7 | 756 | 33699 | 35928 | 3 |
| Ivory Coast | 0 | 1 | N | 321361.8 | 0.0 | 98 | 26.3 | 1334 | 20122100 | 1299 | 15 |
| Jamaica | 4 | 1 | Y | 11038.6 | 622404.2 | 21 | 24 | 1835 | 2629920 | 4917 | 15 |
| Juan Fernández Is. | 0 | 0 | Y | 151.7 | 599820.2 | 0 | 14.9 | 996 | 843 | 12527 | 1 |
| Kansas | 0 | 4 | N | 211979.8 | 0.0 | 39 | 12.4 | 705 | 2826450 | 40381 | 7 |
| Kazakhstan | 0 | 0 | N | 2723317.4 | 0.0 | 13 | 5.7 | 251 | 15722600 | 11131 | 37 |
| Kenya | 0 | 3 | N | 581885.2 | 0.0 | 98 | 24.2 | 605 | 39603000 | 1144 | 34 |
| South Korea | 1 | 1 | N | 97981.3 | 0.0 | 18 | 11.3 | 1320 | 45672900 | 26614 | 14 |
| Kentucky | 0 | 2 | N | 104139.6 | 0.0 | 55 | 12.9 | 1223 | 4310480 | 33480 | 5 |
| Labrador | 0 | 0 | Y | 287353.3 | 0.0 | 5 | -3.3 | 896 | 25212 | 33942 | 10 |
| Lebanon | 0 | 0 | N | 10215.0 | 0.0 | 7 | 15 | 823 | 5552850 | 8764 | 33 |
| Libya | 0 | 2 | N | 1617575.8 | 0.0 | 4 | 21.7 | 31 | 5985600 | 12379 | 14 |
| Antigua-Barbuda | 3 | 2 | Y | 543.4 | 692922.4 | 2 | 26.4 | 1029 | 77326 | 13017 | 3 |
| Anguilla | 1 | 4 | Y | 94.7 | 822166.8 | 1 | 27 | 974 | 8917 | 19478 | 1 |
| Guadeloupe | 3 | 5 | Y | 1683.9 | 572677.1 | 4 | 24.9 | 1925 | 375928 | 9000 | 8 |
| Montserrat | 1 | 1 | Y | 115.1 | 657780.1 | 2 | 25.1 | 1758 | 4623 | 11650 | 6 |
| St. Kitts-Nevis | 2 | 2 | Y | 294.6 | 701990.1 | 1 | 25.7 | 1400 | 47983 | 13227 | 8 |
| Virgin Is. (US) | 1 | 3 | Y | 355.4 | 779566.8 | 5 | 26.1 | 1120 | 81509 | 41376 | 4 |
| Lesotho | 0 | 0 | N | 30539.1 | 0.0 | 23 | 11.6 | 753 | 1852300 | 1079 | 12 |
| Kiribati Line Is. | 0 | 2 | Y | 610.1 | 5240892.6 | 0 | 27.8 | 1055 | 4709 | 1539 | 2 |
| Louisiana | 3 | 4 | N | 119140.1 | 0.0 | 53 | 18.9 | 1466 | 4508500 | 38373 | 4 |
| Maine | 1 | 0 | N | 84028.5 | 0.0 | 18 | 4.7 | 1070 | 1292280 | 38087 | 9 |
| Manitoba | 0 | 0 | N | 650447.9 | 0.0 | 15 | -2.6 | 476 | 1192950 | 33713 | 9 |
| Massachusetts | 1 | 2 | N | 21054.9 | 0.0 | 23 | 8.4 | 1167 | 6383650 | 53152 | 6 |
| Mauritius | 2 | 15 | Y | 2055.5 | 1739671.7 | 0 | 22.5 | 1823 | 1181470 | 7772 | 6 |
| Madagascar | 2 | 7 | Y | 592996.4 | 415606.5 | 243 | 22.9 | 1383 | 20016200 | 414 | 30 |
| Madeira | 2 | 3 | Y | 825.2 | 636040.0 | 0 | 15.6 | 664 | 244217 | 19786 | 7 |
| Maldives | 1 | 2 | Y | 140.5 | 427550.4 | 0 | 27.5 | 2015 | 32249 | 7013 | 2 |
| Michigan | 1 | 1 | N | 250782.3 | 0.0 | 23 | 6.3 | 812 | 9906400 | 35965 | 7 |
| Minnesota | 0 | 0 | N | 225023.2 | 0.0 | 22 | 4.7 | 674 | 5309260 | 44340 | 6 |
| Singapore | 3 | 6 | Y | 555.4 | 2442.3 | 29 | 26.9 | 2418 | 3444920 | 46597 | 2 |
| Montana | 1 | 0 | N | 381003.2 | 0.0 | 17 | 5.1 | 417 | 989747 | 36316 | 20 |
| Morocco | 0 | 2 | N | 403129.4 | 0.0 | 11 | 17.1 | 319 | 31645400 | 3621 | 38 |
| Mozambique | 0 | 1 | N | 786425.5 | 0.0 | 81 | 23.9 | 990 | 21970900 | 755 | 25 |
| Guam | 5 | 6 | Y | 578.7 | 2658696.1 | 0 | 26.8 | 2353 | 151260 | 41376 | 2 |
| Northern Marianas | 1 | 5 | Y | 614.0 | 2232744.8 | 0 | 26.2 | 1933 | 38578 | 13600 | 5 |
| Marshall Is. | 0 | 4 | Y | 129.3 | 3275700.9 | 0 | 27.6 | 2745 | 1717 | 2900 | 3 |
| Maryland | 0 | 2 | N | 25931.2 | 0.0 | 46 | 12.2 | 1075 | 5634220 | 50789 | 8 |
| Mississippi | 1 | 1 | N | 124047.9 | 0.0 | 62 | 17.3 | 1454 | 2950640 | 32190 | 5 |
| Missouri | 0 | 1 | N | 180418.4 | 0.0 | 53 | 12.4 | 1040 | 5993180 | 38125 | 5 |
| Mauritania | 0 | 3 | N | 1038476.2 | 0.0 | 13 | 27.6 | 91 | 3139390 | 1202 | 13 |
| México Distrito Federal | 0 | 0 | N | 1340.7 | 0.0 | 26 | 13.9 | 930 | 7896020 | 8287 | 8 |
| México State | 0 | 0 | N | 21611.8 | 0.0 | 38 | 15.5 | 967 | 15908800 | 8287 | 31 |
| Morelos | 0 | 3 | N | 5001.6 | 0.0 | 25 | 21.7 | 958 | 1895990 | 8380 | 16 |
| Puebla | 0 | 1 | N | 34229.5 | 0.0 | 73 | 18.4 | 1020 | 5608810 | 7866 | 46 |
| Tlaxcala | 0 | 0 | N | 4091.5 | 0.0 | 22 | 13.8 | 753 | 1401000 | 6221 | 10 |
| Aguascalientes | 0 | 0 | N | 5598.9 | 0.0 | 19 | 17.1 | 544 | 1157250 | 12449 | 11 |
| Coahuila | 1 | 0 | N | 150583.5 | 0.0 | 25 | 19.9 | 340 | 2735540 | 15162 | 19 |
| Chihuahua | 1 | 1 | N | 247607.1 | 0.0 | 37 | 16.4 | 455 | 3415630 | 11682 | 35 |
| Durango | 1 | 2 | N | 120400.3 | 0.0 | 39 | 17.1 | 633 | 1637670 | 10306 | 31 |
| Guanajuato | 0 | 0 | N | 30389.2 | 0.0 | 24 | 18 | 649 | 5387780 | 9607 | 16 |
| Hidalgo | 0 | 2 | N | 21194.8 | 0.0 | 50 | 17.1 | 917 | 2682770 | 7824 | 27 |
| Nuevo León | 1 | 2 | N | 65058.7 | 0.0 | 28 | 20.7 | 548 | 4705180 | 21621 | 23 |
| Querétaro | 0 | 2 | N | 12067.0 | 0.0 | 35 | 18.2 | 731 | 1783950 | 13624 | 23 |
| San Luis Potosí | 1 | 1 | N | 63979.2 | 0.0 | 42 | 19.5 | 620 | 2605990 | 9904 | 26 |
| Tamaulipas | 1 | 2 | N | 79347.2 | 0.0 | 44 | 22.9 | 749 | 3168940 | 12718 | 28 |
| Zacatecas | 1 | 0 | N | 74818.4 | 0.0 | 28 | 17.2 | 458 | 1511660 | 8200 | 17 |
| Veracruz | 1 | 2 | N | 71169.5 | 0.0 | 102 | 23.9 | 1714 | 7673400 | 8284 | 38 |
| Guadalupe I. | 0 | 0 | Y | 317.7 | 258480.9 | 0 | 16.1 | 129 | 1875 | 11940 | 5 |
| Rocas Alijos | 0 | 0 | Y | 0.0 | 282949.8 | 0 | 20.4 | 86 | 0 | 0 | 1 |
| Baja California | 2 | 0 | N | 72476.3 | 0.0 | 17 | 18 | 182 | 3108610 | 11540 | 22 |
| Baja California Sur | 2 | 2 | N | 72116.6 | 0.0 | 3 | 21.3 | 163 | 624573 | 12689 | 17 |
| Sinaloa | 0 | 2 | N | 57566.0 | 0.0 | 40 | 23.9 | 770 | 2703060 | 10247 | 24 |
| Sonora | 2 | 0 | N | 180650.7 | 0.0 | 33 | 21 | 382 | 2660090 | 12928 | 31 |
| Colima | 0 | 1 | N | 5749.7 | 0.0 | 30 | 24.7 | 977 | 620198 | 11467 | 16 |
| Guerrero | 0 | 2 | N | 64436.6 | 0.0 | 68 | 24.2 | 1237 | 3400250 | 5888 | 27 |
| Jalisco | 0 | 2 | N | 79621.6 | 0.0 | 48 | 19.9 | 927 | 7510240 | 11486 | 31 |
| Michoacán | 0 | 1 | N | 59405.2 | 0.0 | 44 | 21.3 | 995 | 4433040 | 7416 | 26 |
| Oaxaca | 0 | 2 | N | 92409.3 | 0.0 | 141 | 21.4 | 1421 | 3758950 | 5479 | 40 |
| Campeche | 0 | 3 | N | 50102.1 | 0.0 | 22 | 26 | 1269 | 792842 | 84158 | 6 |
| Chiapas | 0 | 1 | N | 73487.1 | 0.0 | 102 | 23.2 | 2012 | 4892570 | 5130 | 34 |
| Quintana Roo | 0 | 3 | N | 51073.5 | 0.0 | 23 | 25.6 | 1202 | 1360300 | 14307 | 4 |
| Tabasco | 0 | 3 | N | 24006.7 | 0.0 | 29 | 26.3 | 2116 | 2096870 | 22159 | 10 |
| Yucatán | 0 | 4 | N | 37880.8 | 0.0 | 17 | 25.8 | 1026 | 1910830 | 9599 | 4 |
| Namibia | 0 | 2 | N | 804651.0 | 0.0 | 43 | 19.8 | 275 | 1952370 | 4245 | 18 |
| New Brunswick | 0 | 0 | N | 72841.2 | 0.0 | 17 | 4.1 | 1105 | 685698 | 29484 | 8 |
| North Carolina | 0 | 2 | N | 128224.6 | 0.0 | 87 | 14.8 | 1261 | 9420930 | 36268 | 14 |
| North Dakota | 0 | 0 | N | 182559.2 | 0.0 | 13 | 4.6 | 437 | 661022 | 44435 | 6 |
| Nebraska | 1 | 0 | N | 200155.9 | 0.0 | 17 | 9.2 | 576 | 1843340 | 40958 | 6 |
| Nepal | 0 | 0 | N | 147199.0 | 0.0 | 48 | 14.1 | 1375 | 26161600 | 1000 | 59 |
| Netherlands | 2 | 2 | N | 35787.1 | 0.0 | 15 | 9.3 | 782 | 16263100 | 38190 | 2 |
| Nevada | 3 | 1 | N | 286607.9 | 0.0 | 19 | 9.2 | 249 | 2699140 | 38269 | 22 |
| Norfolk I. | 0 | 1 | Y | 50.6 | 1393775.3 | 0 | 19.3 | 1235 | 2263 | 33394 | 1 |
| Newfoundland | 4 | 0 | Y | 111874.3 | 19278.0 | 3 | 3.5 | 1249 | 433066 | 33942 | 5 |
| St. Pierre-Miquelon | 1 | 0 | Y | 259.4 | 391396.0 | 0 | 5 | 1356 | 5205 | 31299 | 2 |
| Nigeria | 0 | 1 | N | 908619.0 | 0.0 | 109 | 26.4 | 1174 | 157921000 | 1929 | 27 |
| Nicaragua | 0 | 3 | N | 128124.1 | 0.0 | 74 | 25.1 | 2292 | 5589220 | 2189 | 24 |
| Curaçao | 2 | 2 | Y | 473.5 | 65800.7 | 0 | 27.3 | 561 | 146868 | 20001 | 3 |
| Norway | 1 | 0 | N | 296271.9 | 0.0 | 6 | 1.1 | 1031 | 4488020 | 50491 | 23 |
| Nauru | 0 | 1 | Y | 28.9 | 2859704.7 | 0 | 27.7 | 2056 | 9256 | 6234 | 1 |
| Nova Scotia | 0 | 0 | Y | 55340.1 | 0.0 | 15 | 5.8 | 1337 | 847051 | 29686 | 5 |
| New South Wales | 1 | 2 | N | 802419.7 | 0.0 | 81 | 17.1 | 575 | 6771800 | 40423 | 31 |
| Northern Territory | 1 | 3 | N | 1348777.6 | 0.0 | 49 | 24.8 | 556 | 201661 | 49603 | 17 |
| Niue | 0 | 1 | Y | 252.7 | 3839566.4 | 0 | 24.6 | 2035 | 1480 | 33394 | 3 |
| Nunavut | 0 | 0 | Y | 1742199.8 | 0.0 | 1 | -15.4 | 201 | 15433 | 55778 | 17 |
| New Caledonia | 1 | 3 | Y | 19231.0 | 978154.6 | 0 | 21.9 | 1620 | 219847 | 36789 | 13 |
| Papua New Guinea | 1 | 2 | Y | 405099.9 | 152198.9 | 224 | 23.6 | 3011 | 5520400 | 1419 | 26 |
| New Hampshire | 1 | 0 | N | 24201.1 | 0.0 | 23 | 5.8 | 1131 | 1312960 | 45272 | 12 |
| New Jersey | 1 | 3 | N | 19835.6 | 0.0 | 33 | 11.2 | 1155 | 8552410 | 52981 | 5 |
| New Mexico | 1 | 2 | N | 315094.9 | 0.0 | 29 | 11.5 | 354 | 2064620 | 34543 | 21 |
| Northwest Territories | 0 | 0 | N | 1347862.9 | 0.0 | 4 | -9.7 | 255 | 38755 | 55778 | 14 |
| New York | 0 | 2 | N | 137028.0 | 0.0 | 35 | 7.1 | 1030 | 18455800 | 50347 | 11 |
| Free State | 0 | 0 | N | 129989.7 | 0.0 | 31 | 15.7 | 580 | 2775690 | 6721 | 13 |
| Ohio | 0 | 1 | N | 116428.0 | 0.0 | 44 | 10.1 | 970 | 11575900 | 37465 | 4 |
| Oklahoma | 0 | 1 | N | 181143.2 | 0.0 | 59 | 15.4 | 865 | 3754110 | 36664 | 10 |
| Oman | 0 | 2 | N | 308968.6 | 0.0 | 3 | 26.3 | 59 | 2771120 | 20923 | 20 |
| Ontario | 1 | 1 | N | 1076067.2 | 0.0 | 28 | 0.5 | 729 | 12663200 | 38361 | 12 |
| Oregon | 1 | 2 | N | 251328.5 | 0.0 | 35 | 7.6 | 781 | 3814070 | 37625 | 36 |
| Pakistan | 0 | 1 | N | 795109.3 | 0.0 | 18 | 22.3 | 261 | 175825000 | 2026 | 73 |
| Israel | 0 | 2 | N | 26977.4 | 0.0 | 8 | 19.9 | 307 | 11607700 | 23227 | 16 |
| Jordan | 0 | 0 | N | 89206.7 | 0.0 | 4 | 18.3 | 106 | 5815180 | 4469 | 16 |
| Panama | 2 | 4 | N | 74530.6 | 0.0 | 197 | 25.1 | 2567 | 3347180 | 10188 | 19 |
| Paraguay | 0 | 1 | N | 398813.9 | 0.0 | 91 | 23.4 | 1081 | 6435010 | 3768 | 11 |
| Pennsylvania | 0 | 3 | N | 118994.7 | 0.0 | 43 | 8.9 | 1058 | 12684400 | 42067 | 7 |
| Peru | 0 | 1 | N | 1290870.5 | 0.0 | 502 | 19.2 | 1560 | 28085800 | 7411 | 53 |
| Philippines | 4 | 3 | Y | 294706.2 | 510398.6 | 96 | 25.5 | 2550 | 85951400 | 3194 | 21 |
| Pitcairn Is. | 0 | 1 | Y | 53.6 | 4962959.5 | 0 | 20.6 | 1438 | 43 | 23583 | 1 |
| Poland | 0 | 2 | N | 311693.8 | 0.0 | 18 | 7.6 | 596 | 38372700 | 16701 | 11 |
| Portugal | 1 | 4 | N | 88595.2 | 0.0 | 19 | 15 | 845 | 9864970 | 19786 | 21 |
| Puerto Rico | 6 | 5 | Y | 9246.0 | 686333.4 | 20 | 24.3 | 1795 | 3672910 | 26436 | 16 |
| Queensland | 1 | 3 | N | 1728807.5 | 0.0 | 124 | 22.9 | 633 | 4128370 | 38736 | 43 |
| Québec | 0 | 1 | N | 1513232.6 | 0.0 | 21 | -3.1 | 773 | 7670940 | 32322 | 18 |
| Réunion | 2 | 13 | Y | 2645.0 | 1663592.2 | 0 | 19 | 1548 | 800833 | 31299 | 15 |
| Rhode Island | 1 | 0 | N | 2727.4 | 0.0 | 21 | 9.5 | 1201 | 938239 | 43508 | 3 |
| Romania | 0 | 0 | N | 237375.6 | 0.0 | 19 | 9 | 626 | 20190400 | 9376 | 16 |
| American Samoa | 1 | 2 | Y | 229.7 | 3961302.8 | 0 | 26.2 | 4049 | 50989 | 41376 | 1 |
| Samoa | 0 | 2 | Y | 2942.5 | 3808215.9 | 0 | 24.7 | 3740 | 175412 | 3531 | 5 |
| Sardegna | 2 | 7 | Y | 24137.1 | 185132.9 | 9 | 15 | 632 | 1467290 | 28381 | 11 |
| Saskatchewan | 0 | 0 | N | 651972.5 | 0.0 | 8 | -0.4 | 426 | 1015750 | 38562 | 10 |
| Saudi Arabia | 0 | 2 | N | 1954702.1 | 0.0 | 6 | 24.6 | 94 | 27325800 | 19327 | 24 |
| South Carolina | 0 | 2 | N | 80532.0 | 0.0 | 72 | 16.8 | 1238 | 4610400 | 33631 | 9 |
| Spratly Is. | 0 | 0 | Y | 14.1 | 606038.5 | 0 | 27.3 | 1500 | 0 | 0 | 1 |
| South Dakota | 0 | 0 | N | 198703.1 | 0.0 | 17 | 7.4 | 484 | 809623 | 40943 | 11 |
| Senegal | 0 | 1 | N | 196062.6 | 0.0 | 34 | 27.6 | 669 | 11823200 | 1416 | 8 |
| Seychelles | 1 | 5 | Y | 328.5 | 1262539.2 | 11 | 25.8 | 2224 | 78285 | 10805 | 3 |
| Malta | 1 | 2 | Y | 370.4 | 243006.5 | 2 | 18.4 | 518 | 405496 | 19694 | 3 |
| Sicilia | 1 | 3 | Y | 25678.4 | 2460.9 | 7 | 15.7 | 518 | 4776030 | 28381 | 23 |
| South Australia | 0 | 1 | N | 983596.1 | 0.0 | 27 | 19.2 | 230 | 1552580 | 36572 | 15 |
| Somalia | 0 | 1 | N | 636289.2 | 0.0 | 30 | 26.4 | 269 | 8568520 | 111 | 23 |
| Andorra | 0 | 0 | N | 509.3 | 0.0 | 7 | 3.9 | 1269 | 83682 | 45498 | 6 |
| Spain | 4 | 9 | N | 493503.2 | 0.0 | 27 | 13 | 614 | 42071100 | 27332 | 40 |
| Sri Lanka | 1 | 1 | Y | 66288.5 | 28139.3 | 87 | 26.5 | 1878 | 19595600 | 4066 | 20 |
| Suriname | 0 | 6 | N | 145018.3 | 0.0 | 106 | 26.3 | 2250 | 524523 | 8321 | 10 |
| Sweden | 1 | 0 | N | 444475.4 | 0.0 | 13 | 2.3 | 630 | 8671530 | 36133 | 15 |
| Switzerland | 1 | 0 | N | 41507.4 | 0.0 | 19 | 5 | 1331 | 7946950 | 39986 | 29 |
| Swaziland | 0 | 0 | N | 17121.7 | 0.0 | 44 | 19.7 | 859 | 1025310 | 2957 | 11 |
| Taiwan | 3 | 7 | Y | 36163.5 | 135051.6 | 33 | 19.1 | 2509 | 22380500 | 26693 | 16 |
| Tanzania | 0 | 2 | N | 941388.8 | 0.0 | 189 | 22.5 | 980 | 42108900 | 1178 | 41 |
| Tasmania | 0 | 1 | Y | 68503.0 | 81036.9 | 11 | 10.3 | 1313 | 460281 | 32602 | 18 |
| Turks-Caicos Is. | 2 | 2 | Y | 420.1 | 898371.6 | 0 | 26 | 680 | 16844 | 29100 | 3 |
| Armenia | 0 | 0 | N | 29667.6 | 0.0 | 8 | 6.2 | 509 | 3041970 | 3125 | 16 |
| Gruziya | 0 | 0 | N | 58480.0 | 0.0 | 12 | 7.5 | 920 | 2946600 | 6148 | 31 |
| Tennessee | 0 | 0 | N | 108939.2 | 0.0 | 80 | 14 | 1357 | 6318360 | 36179 | 11 |
| Texas | 0 | 8 | N | 684967.6 | 0.0 | 79 | 18.1 | 693 | 24930300 | 39107 | 29 |
| Thailand | 1 | 2 | N | 512815.5 | 0.0 | 147 | 26.1 | 1497 | 65486600 | 8066 | 29 |
| Togo | 0 | 1 | N | 57126.0 | 0.0 | 50 | 26.8 | 1190 | 6114990 | 725 | 10 |
| Tonga | 0 | 4 | Y | 776.2 | 3230217.8 | 0 | 24.1 | 1813 | 78922 | 3553 | 7 |
| Trinidad-Tobago | 1 | 5 | Y | 5029.5 | 14458.5 | 35 | 25.8 | 2067 | 1208590 | 15495 | 8 |
| Tunisia | 0 | 1 | N | 155382.2 | 0.0 | 6 | 19.1 | 224 | 10033600 | 5667 | 23 |
| Turkey | 0 | 2 | N | 756175.7 | 0.0 | 29 | 10.7 | 593 | 63076400 | 8159 | 46 |
| Tuvalu | 1 | 0 | Y | 52.8 | 3259724.4 | 0 | 28.2 | 3242 | 218 | 3239 | 1 |
| Gauteng | 0 | 0 | N | 18644.0 | 0.0 | 27 | 16.5 | 688 | 11381600 | 8659 | 9 |
| Mpumalanga | 0 | 0 | N | 78137.2 | 0.0 | 52 | 17.1 | 775 | 3868880 | 8659 | 17 |
| Northern Province | 0 | 0 | N | 122675.9 | 0.0 | 45 | 20.1 | 586 | 5422330 | 8659 | 19 |
| North-West Province | 0 | 0 | N | 116273.3 | 0.0 | 31 | 18.1 | 512 | 4237330 | 8659 | 8 |
| Tadzhikistan | 1 | 0 | N | 142386.8 | 0.0 | 1 | 2.5 | 561 | 7583630 | 740 | 42 |
| Moldova | 0 | 0 | N | 33693.3 | 0.0 | 14 | 9.3 | 554 | 3951390 | 3846 | 4 |
| Ukraine | 0 | 3 | N | 572111.9 | 0.0 | 19 | 8 | 572 | 43519500 | 5890 | 14 |
| Uruguay | 1 | 2 | N | 177842.9 | 0.0 | 47 | 17.5 | 1220 | 3283430 | 8619 | 6 |
| Utah | 3 | 3 | N | 219981.5 | 0.0 | 15 | 8.2 | 318 | 2763830 | 33688 | 23 |
| Vanuatu | 1 | 3 | Y | 12697.7 | 1785723.7 | 0 | 23.8 | 2615 | 207550 | 2966 | 13 |
| Venezuela | 2 | 4 | N | 910220.4 | 0.0 | 327 | 25.6 | 1941 | 25783400 | 8125 | 46 |
| Vermont | 0 | 0 | N | 24702.0 | 0.0 | 24 | 5.5 | 1078 | 610740 | 41580 | 8 |
| Victoria | 1 | 0 | N | 227725.3 | 0.0 | 36 | 13.8 | 704 | 5163780 | 38288 | 16 |
| Vietnam | 0 | 1 | N | 325521.8 | 0.0 | 177 | 23.4 | 1795 | 84627400 | 2430 | 28 |
| Virginia | 0 | 2 | N | 103882.6 | 0.0 | 78 | 12.7 | 1090 | 7927650 | 45862 | 12 |
| Wallis-Futuna Is. | 1 | 1 | Y | 166.3 | 3251615.4 | 0 | 26.8 | 3236 | 4623 | 12640 | 1 |
| Washington | 2 | 3 | N | 174446.0 | 0.0 | 29 | 7.6 | 1024 | 6432430 | 44123 | 36 |
| Western Australia | 1 | 2 | N | 2527724.0 | 0.0 | 78 | 22.3 | 335 | 2137030 | 56522 | 31 |
| District of Columbia | 0 | 1 | N | 160.0 | 0.0 | 26 | 13 | 1042 | 603769 | 73257 | 1 |
| Barbados | 1 | 4 | Y | 447.9 | 359247.6 | 1 | 25.6 | 1346 | 265233 | 15854 | 3 |
| Dominica | 1 | 4 | Y | 765.0 | 497645.7 | 4 | 23.9 | 2579 | 67527 | 6927 | 10 |
| Grenada | 1 | 5 | Y | 413.5 | 140953.2 | 3 | 26.3 | 1984 | 97593 | 7367 | 3 |
| Martinique | 4 | 4 | Y | 1150.2 | 421293.7 | 3 | 24.8 | 2283 | 377820 | 31299 | 8 |
| St. Lucia | 2 | 4 | Y | 636.7 | 344793.3 | 1 | 25.1 | 2054 | 160911 | 7060 | 5 |
| St. Vincent | 2 | 6 | Y | 390.7 | 210746.6 | 3 | 24.9 | 2324 | 91498 | 6233 | 7 |
| Wisconsin | 0 | 0 | N | 169707.1 | 0.0 | 22 | 6.1 | 808 | 5698240 | 39602 | 7 |
| Western Sahara | 0 | 0 | N | 269093.3 | 0.0 | 5 | 22.2 | 39 | 487772 | 3621 | 11 |
| West Virginia | 0 | 0 | N | 62522.7 | 0.0 | 51 | 10.5 | 1143 | 1835380 | 33196 | 11 |
| Wyoming | 1 | 0 | N | 253511.2 | 0.0 | 13 | 4.7 | 357 | 564553 | 46581 | 12 |
| Bosnia-Herzegovina | 0 | 0 | N | 51543.4 | 0.0 | 19 | 9.2 | 1039 | 3824520 | 4805 | 17 |
| Croatia | 0 | 1 | N | 56203.6 | 0.0 | 21 | 11 | 997 | 4136640 | 14672 | 21 |
| Kosovo | 0 | 0 | N | 10754.3 | 0.0 | 14 | 9.1 | 849 | 1699610 | 3877 | 17 |
| Macedonia | 0 | 0 | N | 25484.1 | 0.0 | 14 | 9.7 | 643 | 2088580 | 7626 | 23 |
| Montenegro | 0 | 3 | N | 13787.2 | 0.0 | 15 | 8.6 | 1267 | 625682 | 6637 | 13 |
| Serbia | 0 | 0 | N | 77357.9 | 0.0 | 20 | 10.1 | 707 | 7205420 | 6099 | 20 |
| Slovenia | 2 | 1 | N | 20410.7 | 0.0 | 21 | 8.9 | 1181 | 2073600 | 24902 | 15 |
| Yukon | 0 | 0 | N | 465524.1 | 0.0 | 4 | -6.8 | 347 | 32962 | 55778 | 30 |

**Table S3**: Taxonomic affiliation of established alien amphibians and reptiles in the Global Alien Herptile Database. Given are: total extant species numbers; established alien species richness; percentage of aliens in total species numbers; and average numbers of regions invaded by the alien species. Higher level taxonomy and extant species numbers follow Frost (2017) for amphibians and Uetz & Hallermann (2016) for reptiles.

|  |  |  |  |
| --- | --- | --- | --- |
| **Taxonomic group (Class, Order, Family)** | **Total species number** | **Established alien species number and percentage of total species** | **Average and standard deviation of number of regions invaded by established alien species** |
| **Amphibians** | **7,635** | **78 (1%)** | **2.8 ±2.6** |
| *Anura* | 6,723 | *65 (1.0%)* | *3.3 ±3* |
| Alytidae | 12 | 2 (16.7%) | 2 ±0 |
| Bombinatoridae | **7** | 1 (14.3%) | 1 |
| Bufonidae | 595 | 7 (1.2%) | 6.4 ±13.1 |
| Dendrobatidae | 185 | 1 (0.5%) | 1 |
| Dicroglossidae | 189 | 3 (1.6%) | 1.3 ±0.6 |
| Eleutherodactylidae | 217 | 6 (2.8%) | 5.3 ±5 |
| Hylidae | 698 | 10 (1.5%) | 2.5 ±2.8 |
| Leptodactylidae | 203 | 1 (0.5%) | 2 |
| Microhylidae | 606 | 3 (0.5%) | 2 ±1 |
| Pelodryadidae | 210 | 4 (1.9%) | 1.8 ±1.3 |
| Pipidae | 41 | 1 (2.4%) | 12 |
| Ptychadenidae | 54 | 1 (1.9%) | 3 |
| Ranidae | 380 | 23 (6%) | 4.6 ±11.9 |
| Rhacophoridae | 406 | 2 (0.5%) | 1 |
| *Caudata* | *689* | *13 (1.9%)* | *1.8 ±0.8* |
| Ambystomatidae | 37 | 1 (2.7%) | 2 |
| Cryptobranchidae | 4 | 1 (25%) | 1 |
| Plethodontidae | 463 | 4 (0.9%) | 1 |
| Proteidae | 8 | 2 (25.0%) | 3 ±2.9 |
| Salamandridae | 117 | 5 (4.3%) | 2 ±1.4 |
| **Reptiles** | **10,450** | **198 (1.8%)** | ***4.8 ±13.5*** |
| *Crocodylia* | *24* | *1 (4.2%)* | *4* |
| Alligatoridae | 8 | 1 (12.5%) | 4 |
| *Squamata* | *10,129* | *162 (1.6%)* | *5.2 ±15.4* |
| Acrochordidae | 3 | 1 (33.3%) | 1 |
| Agamidae | 480 | 5 (1%) | 3 ±3.1 |
| Amphisbaenidae | 178 | 1 (0.6%) | 2 |
| Anguidae | 77 | 1 (1.3%) | 1 |
| Blanidae | 7 | 1 (14.3%) | 1 |
| Boidae | 61 | 2(3.3%) | 2 ±1.4 |
| Chamaeleonidae | 203 | 7 (3.5%) | 1.6 ±0.5 |
| Colubridae | 1,866 | 22 (1.2%) | 1.4 ±0.8 |
| Corytophanidae | 9 | 1 (11%) | 1 |
| Crotaphytidae | 12 | 1 (8.3%) | 1 |
| Dactyloidae | 416 | 21 (5.1%) | 2.8 ±3.8 |
| Gekkonidae | 1,103 | 30 (2.7%) | 8.1 ±14.6 |
| Gymnophthalmidae | 235 | 1 (0.4%) | 8 |
| Iguanidae | 42 | 5 (11.9%) | 3 ±2.9 |
| Lacertidae | 323 | 10 (3.1%) | 3.5 ±4.9 |
| Lamprophiidae | 314 | 2 (0.6%) | 1.5 ±0.7 |
| Leiocephalidae | 30 | 2 (6.7%) | 1.5 ±0.7 |
| Leptotyphlopidae | 139 | 1 (0.7%) | 1 |
| Pareidae | 20 | 1 (5%) | 1 |
| Phrynosomatidae | 153 | 2 (1.3%) | 3 ±2.8 |
| Phyllodactylidae | 135 | 4 (3.0%) | 5 ±7.4 |
| Pythonidae | 40 | 3 (7.5%) | 1 |
| Scincidae | 1612 | 19 (1.2%) | 1.9 ±1.5 |
| Sphaerodactylidae | 215 | 6 (2.8%) | 2.3 ±2.2 |
| Teiidae | 155 | 8 (5.2%) | 1.25 ±0.7 |
| Typhlopidae | 406 | 1 (0.3%) | 83 |
| Varanidae | 79 | 2 (2.5%) | 2 ±1.4 |
| Viperidae | 341 | 2 (0.6%) | 1 |
| *Testudines* | *345* | *35 (10.2%)* | *3.1 ±2.2* |
| Chelidae | *58* | 1 (1.7%) | 2 |
| Chelydridae | *5* | 2 (40%) | 4 ±4.2 |
| Emydidae | *122* | 12 (9.8%) | 7.4 ±20.7 |
| Geoemydidae | *70* | 6 (8.6%) | 1 |
| Pelomedusidae | *27* | 2 (7.4%) | 1.5 ±0.7 |
| Testudinidae | *59* | 7 (11.9%) | 2.6 ±2.2 |
| Trionychidae | *32* | 5 (15.6%) | 3.2 ±2.2 |

**Table S4**: Native ranges (TDWG continents) of the alien amphibian and reptile species included in the Global Alien Herptile Database.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Species** | **Africa** | **Asia-Temperate** | **Asia-Tropical** | **Australasia** | **Europe** | **Northern America** | **Pacific** | **Southern America** |
| *Acrochordus javanicus* |  |  | X |  |  |  |  |  |
| *Afrogecko porphyreus* | X |  |  |  |  |  |  |  |
| *Agama agama* | X |  |  |  |  |  |  |  |
| *Aldabrachelys gigantea* | X |  |  |  |  |  |  |  |
| *Alytes obstetricans* |  |  |  |  | X |  |  |  |
| *Ambystoma tigrinum* |  |  |  |  |  | X |  |  |
| *Ameiva ameiva* |  |  |  |  |  |  |  | X |
| *Amietophrynus regularis* | X |  |  |  |  |  |  |  |
| *Amphisbaena fuliginosa* |  |  |  |  |  |  |  | X |
| *Anaxyrus americanus* |  |  |  |  |  |  |  | X |
| *Andrias davidianus* |  | X |  |  |  |  |  |  |
| *Aneides vagrans* |  |  |  |  |  | X |  |  |
| *Anguis fragilis* |  |  |  |  | X |  |  |  |
| *Anolis aeneus* |  |  |  |  |  |  |  | X |
| *Anolis baleatus* |  |  |  |  |  |  |  | X |
| *Anolis carolinensis* |  |  |  |  |  | X |  | X |
| *Anolis chlorocyanus* |  |  |  |  |  |  |  | X |
| *Anolis cristatellus* |  |  |  |  |  |  |  | X |
| *Anolis cybotes* |  |  |  |  |  |  |  | X |
| *Anolis distichus* |  |  |  |  |  |  |  | X |
| *Anolis equestris* |  |  |  |  |  |  |  | X |
| *Anolis extremus* |  |  |  |  |  |  |  | X |
| *Anolis garmani* |  |  |  |  |  |  |  | X |
| *Anolis grahami* |  |  |  |  |  |  |  | X |
| *Anolis leachii* |  |  |  |  |  |  |  | X |
| *Anolis lineatus* |  |  |  |  |  |  |  | X |
| *Anolis marmoratus* |  |  |  |  |  |  |  | X |
| *Anolis maynardi* |  |  |  |  |  |  |  | X |
| *Anolis porcatus* |  |  |  |  |  |  |  | X |
| *Anolis richardii* |  |  |  |  |  |  |  | X |
| *Anolis roquet* |  |  |  |  |  |  |  | X |
| *Anolis sagrei* |  |  |  |  |  |  |  | X |
| *Anolis trinitatis* |  |  |  |  |  |  |  | X |
| *Anolis wattsi* |  |  |  |  |  |  |  | X |
| *Apalone ferox* |  |  |  |  |  | X |  |  |
| *Apalone spinifera* |  |  |  |  |  | X |  |  |
| *Aspidoscelis neotesselata* |  |  |  |  |  | X |  |  |
| **Species** | **Africa** | **Asia-Temperate** | **Asia-Tropical** | **Australasia** | **Europe** | **Northern America** | **Pacific** | **Southern America** |
| *Aspidoscelis neomexicana* |  |  |  |  |  | X |  |  |
| *Aspidoscelis velox* |  |  |  |  |  | X |  |  |
| *Astrochelys radiata* | X |  |  |  |  |  |  |  |
| *Basiliscus vittatus* |  |  |  |  |  | X |  | X |
| *Blanus cinereus* |  |  |  |  | X |  |  |  |
| *Boa constrictor* |  |  |  |  |  | X |  | X |
| *Boiga irregularis* |  |  | X | X |  |  |  |  |
| *Bombina variegata* |  |  |  |  | X |  |  |  |
| *Brachylophus bulabula* |  |  |  |  |  |  | X |  |
| *Brachylophus fasciatus* |  |  |  |  |  |  | X |  |
| *Bradypodion pumilum* | X |  |  |  |  |  |  |  |
| *Bufo bufo* | X |  |  |  | X |  |  |  |
| *Bufotes balearicus* |  |  |  |  | X |  |  |  |
| *Caiman crocodilus* |  |  |  |  |  | X |  | X |
| *Calotes mystaceus* |  | X | X |  |  |  |  |  |
| *Calotes versicolor* |  | X | X |  |  |  |  |  |
| *Carlia ailanpalai* |  |  | X |  |  |  |  |  |
| *Carlia tutela* |  |  | X |  |  |  |  |  |
| *Chalcides chalcides* | X |  |  |  | X |  |  |  |
| *Chalcides ocellatus* | X | X |  |  | X |  |  |  |
| *Chamaeleo africanus* | X |  |  |  |  |  |  |  |
| *Chamaeleo calyptratus* |  | X |  |  |  |  |  |  |
| *Chamaeleo chamaeleon* | X | X |  |  | X |  |  |  |
| *Chamaeleo jacksonii* | X |  |  |  |  |  |  |  |
| *Chelodina longicollis* |  |  |  | X |  |  |  |  |
| *Chelonoidis carbonarius* |  |  |  |  |  |  |  | X |
| *Chelydra serpentina* |  |  |  |  |  | X |  |  |
| *Chondrodactylus bibronii* | X |  |  |  |  |  |  |  |
| *Chrysemys dorsalis* |  |  |  |  |  | X |  |  |
| *Chrysemys picta* |  |  |  |  |  | X |  |  |
| *Cnemidophorus lemniscatus* |  |  |  |  |  |  |  | X |
| *Crotalus atrox* |  |  |  |  |  | X |  |  |
| *Crotaphytus collaris* |  |  |  |  |  | X |  |  |
| *Cryptoblepharus poecilopleurus* |  |  |  |  |  |  | X |  |
| *Ctenosaura pectinata* |  |  |  |  |  | X |  | X |
| *Ctenosaura similis* |  |  |  |  |  | X |  | X |
| *Cuora amboinensis* |  |  | X |  |  |  |  |  |
| *Cyrtopodion kotschyi* |  | X |  |  | X |  |  |  |
| *Cyrtopodion scabrum* | X | X |  |  |  |  |  |  |
| *Darevskia armeniaca* |  |  |  |  | X |  |  |  |
| *Darevskia mixta* |  |  |  |  | X |  |  |  |
| **Species** | **Africa** | **Asia-Temperate** | **Asia-Tropical** | **Australasia** | **Europe** | **Northern America** | **Pacific** | **Southern America** |
| *Dendrobates auratus* |  |  |  |  |  |  |  | X |
| *Desmognathus fuscus* |  |  |  |  |  | X |  |  |
| *Desmognathus monticola* |  |  |  |  |  | X |  |  |
| *Discoglossus pictus* | X |  |  |  | X |  |  |  |
| *Dryophytes cinereus* |  |  |  |  |  | X |  |  |
| *Dryophytes gratiosus* |  |  |  |  |  | X |  |  |
| *Dryophytes squirellus* |  |  |  |  |  | X |  |  |
| *Duttaphrynus melanostictus* |  | X | X |  |  |  |  |  |
| *Ebenavia inunguis* | X |  |  |  |  |  |  |  |
| *Elaphe schrenckii* |  | X |  |  |  |  |  |  |
| *Eleutherodactylus antillensis* |  |  |  |  |  |  |  | X |
| *Eleutherodactylus coqui* |  |  |  |  |  |  |  | X |
| *Eleutherodactylus cystignathoides* |  |  |  |  |  | X |  |  |
| *Eleutherodactylus johnstonei* |  |  |  |  |  |  |  | X |
| *Eleutherodactylus martinicensis* |  |  |  |  |  |  |  | X |
| *Eleutherodactylus planirostris* |  |  |  |  |  |  |  | X |
| *Emoia adspersa* |  |  |  |  |  |  | X |  |
| *Emoia cyanura* |  |  | X |  |  |  | X |  |
| *Emoia impar* |  |  |  |  |  |  | X |  |
| *Emoia trossula* |  |  |  |  |  |  | X |  |
| *Emys orbicularis* | X | X |  |  | X |  |  |  |
| *Epictia tenella* |  |  |  |  |  |  |  | X |
| *Eryx jaculus* | X | X |  |  | X |  |  |  |
| *Eutropis cumingi* |  |  | X |  |  |  |  |  |
| *Fejervarya verruculosa* |  |  | X |  |  |  |  |  |
| *Furcifer oustaleti* | X |  |  |  |  |  |  |  |
| *Furcifer pardalis* | X |  |  |  |  |  |  |  |
| *Gastrophryne carolinensis* |  |  |  |  |  | X |  |  |
| *Gehyra mutilata* | X |  | X |  |  |  | X |  |
| *Gehyra oceanica* |  |  | X |  |  |  | X |  |
| *Gekko badenii* |  |  | X |  |  |  |  |  |
| *Gekko gecko* |  | X | X |  |  |  |  |  |
| *Glandirana rugosa* |  | X |  |  |  |  |  |  |
| *Gonatodes albogularis* |  |  |  |  |  |  |  | X |
| *Gonatodes antillensis* |  |  |  |  |  |  |  | X |
| *Gonatodes caudiscutatus* |  |  |  |  |  |  |  | X |
| *Gonatodes vittatus* |  |  |  |  |  |  |  | X |
| *Graptemys pseudogeographica* |  |  |  |  |  | X |  |  |
| *Gymnophthalmus underwoodi* |  |  |  |  |  |  |  | X |
| *Hemidactylus angulatus* | X |  |  |  |  |  |  |  |
| *Hemidactylus brookii* | X |  | X |  |  |  |  | X |
| **Species** | **Africa** | **Asia-Temperate** | **Asia-Tropical** | **Australasia** | **Europe** | **Northern America** | **Pacific** | **Southern America** |
| *Hemidactylus flaviviridis* | X | X | X |  |  |  |  |  |
| *Hemidactylus frenatus* |  | X | X | X |  |  | X |  |
| *Hemidactylus garnotii* |  |  | X |  |  |  | X |  |
| *Hemidactylus mabouia* | X |  |  |  |  |  |  |  |
| *Hemidactylus mercatorius* | X |  |  |  |  |  |  |  |
| *Hemidactylus parvimaculatus* |  |  | X |  |  |  |  |  |
| *Hemidactylus platyurus* |  |  | X |  |  |  |  |  |
| *Hemidactylus turcicus* | X | X |  |  | X |  |  |  |
| *Hemiphyllodactylus typus* |  | X | X |  |  |  | X |  |
| *Hemorrhois algirus* | X |  |  |  |  |  |  |  |
| *Hemorrhois hippocrepis* | X |  |  |  | X |  |  |  |
| *Heremites auratus* |  | X |  |  |  |  |  |  |
| *Hierophis viridiflavus* |  |  |  |  | X |  |  |  |
| *Hoplobatrachus rugulosus* |  | X | X |  |  |  |  |  |
| *Hoplobatrachus tigerinus* |  |  | X |  |  |  |  |  |
| *Hyla meridionalis* | X |  |  |  | X |  |  |  |
| *Hylarana erythraea* |  |  | X |  |  |  |  |  |
| *Hyliola regilla* |  |  |  |  |  | X |  |  |
| *Ichthyosaura alpestris* |  |  |  |  | X |  |  |  |
| *Iguana iguana* |  |  |  |  |  | X |  | X |
| *Indotyphlops braminus* |  |  | X |  |  |  |  |  |
| *Intellagama lesueurii* |  |  |  | X |  |  |  |  |
| *Kaloula pulchra* |  | X | X |  |  |  |  |  |
| *Kentropyx borckiana* |  |  |  |  |  |  |  | X |
| *Kinixys belliana* | X |  |  |  |  |  |  |  |
| *Lacerta bilineata* |  |  |  |  | X |  |  |  |
| *Lamprolepis smaragdina* |  |  | X |  |  |  | X |  |
| *Lampropeltis getula* |  |  |  |  |  | X |  |  |
| *Lampropholis delicata* |  |  |  | X |  |  |  |  |
| *Leiocephalus carinatus* |  |  |  |  |  |  |  | X |
| *Leiocephalus schreibersii* |  |  |  |  |  |  |  | X |
| *Leioheterodon madagascariensis* | X |  |  |  |  |  |  |  |
| *Leiolepis belliana* |  |  | X |  |  |  |  |  |
| *Lepidodactylus lugubris* |  |  | X | X |  |  | X |  |
| *Lipinia noctua* |  |  | X |  |  |  | X |  |
| *Lissemys punctata* |  |  | X |  |  |  |  |  |
| *Lissotriton vulgaris* |  |  |  |  | X |  |  |  |
| *Lithobates berlandieri* |  |  |  |  |  | X |  |  |
| *Lithobates catesbeianus* |  |  |  |  |  | X |  |  |
| *Lithobates clamitans* |  |  |  |  |  | X |  |  |
| *Lithobates grylio* |  |  |  |  |  | X |  |  |
| **Species** | **Africa** | **Asia-Temperate** | **Asia-Tropical** | **Australasia** | **Europe** | **Northern America** | **Pacific** | **Southern America** |
| *Lithobates heckscheri* |  |  |  |  |  | X |  |  |
| *Lithobates septentrionalis* |  |  |  |  |  | X |  |  |
| *Lithobates sphenocephalus* |  |  |  |  |  | X |  |  |
| *Lithobates sylvaticus* |  |  |  |  |  | X |  |  |
| *Litoria dentata* |  |  |  | X |  |  |  |  |
| *Litoria ewingii* |  |  |  | X |  |  |  |  |
| *Litoria fallax* |  |  |  | X |  |  |  |  |
| *Lycodon aulicus* |  |  | X |  |  |  |  |  |
| *Lycodon capucinus* |  | X | X |  |  |  |  |  |
| *Lygosoma bowringii* |  |  | X |  |  |  |  |  |
| *Mabuya multifasciata* |  |  | X |  |  |  |  |  |
| *Macrochelys temminckii* |  |  |  |  |  | X |  |  |
| *Macroprotodon brevis* | X |  |  |  | X |  |  |  |
| *Macroprotodon mauritanicus* | X |  |  |  |  |  |  |  |
| *Malayopython reticulatus* |  |  | X |  |  |  |  |  |
| *Malpolon monspessulanus* | X | X |  |  | X |  |  |  |
| *Mauremys leprosa* | X |  |  |  | X |  |  |  |
| *Mauremys mutica* |  | X | X |  |  |  |  |  |
| *Mauremys reevesii* |  | X |  |  |  |  |  |  |
| *Melanochelys trijuga* |  |  | X |  |  |  |  |  |
| *Microhyla fissipes* |  | X | X |  |  |  |  |  |
| *Nactus pelagicus* |  |  |  |  |  |  | X |  |
| *Natrix maura* | X |  |  |  | X |  |  |  |
| *Necturus maculosus* |  |  |  |  |  | X |  |  |
| *Nerodia fasciata* |  |  |  |  |  | X |  |  |
| *Nerodia sipedon* |  |  |  |  |  | X |  |  |
| *Ommatotriton ophryticus* |  | X |  |  |  |  |  |  |
| *Opheodrys aestivus* |  |  |  |  |  | X |  |  |
| *Orthriophis taeniurus* |  |  | X |  |  |  |  |  |
| *Osteopilus septentrionalis* |  |  |  |  |  |  |  | X |
| *Palea steindachneri* |  | X | X |  |  |  |  |  |
| *Pantherophis alleghaniensis* |  |  |  |  |  | X |  |  |
| *Pantherophis guttatus* |  |  |  |  |  | X |  |  |
| *Pareas margaritophorus* |  |  | X |  |  |  |  |  |
| *Pelodiscus sinensis* |  | X | X |  |  |  |  |  |
| *Pelophylax bedriagae* | X | X |  |  | X |  |  |  |
| *Pelophylax bergeri* |  |  |  |  | X |  |  |  |
| *Pelophylax kl. esculentus* |  |  |  |  | X |  |  |  |
| *Pelophylax kl. grafi* |  |  |  |  | X |  |  |  |
| *Pelophylax kurtmuelleri* |  |  |  |  | X |  |  |  |
| *Pelophylax lessonae* |  |  |  |  | X |  |  |  |
| **Species** | **Africa** | **Asia-Temperate** | **Asia-Tropical** | **Australasia** | **Europe** | **Northern America** | **Pacific** | **Southern America** |
| *Pelophylax perezi* |  |  |  |  | X |  |  |  |
| *Pelophylax ridibundus* |  | X |  |  | X |  |  |  |
| *Pelophylax shqipericus* |  |  |  |  | X |  |  |  |
| *Pelusios castaneus* | X |  |  |  |  |  |  |  |
| *Pelusios subniger* | X |  |  |  |  |  |  |  |
| *Phelsuma cepediana* | X |  |  |  |  |  |  |  |
| *Phelsuma dubia* | X |  |  |  |  |  |  |  |
| *Phelsuma grandis* | X |  |  |  |  |  |  |  |
| *Phelsuma guimbeaui* | X |  |  |  |  |  |  |  |
| *Phelsuma laticauda* | X |  |  |  |  |  |  |  |
| *Phelsuma lineata* | X |  |  |  |  |  |  |  |
| *Phelsuma madagascariensis* | X |  |  |  |  |  |  |  |
| *Phrynosoma cornutum* |  |  |  |  |  | X |  |  |
| *Phyllodactylus reissii* |  |  |  |  |  |  |  | X |
| *Pleurodema brachyops* |  |  |  |  |  |  |  | X |
| *Podarcis muralis* |  |  |  |  | X |  |  |  |
| *Podarcis pityusensis* |  |  |  |  | X |  |  |  |
| *Podarcis siculus* |  |  |  |  | X |  |  |  |
| *Polypedates leucomystax* |  | X | X |  |  |  |  |  |
| *Polypedates megacephalus* |  | X |  |  |  |  |  |  |
| *Proteus anguinus* |  |  |  |  | X |  |  |  |
| *Psammodromus algirus* | X |  |  |  | X |  |  |  |
| *Psammodromus hispanicus* |  |  |  |  | X |  |  |  |
| *Pseudemys concinna* |  |  |  |  |  | X |  |  |
| *Pseudemys nelsoni* |  |  |  |  |  | X |  |  |
| *Pseudemys rubriventris* |  |  |  |  |  | X |  |  |
| *Pseudotriton ruber* |  |  |  |  |  | X |  |  |
| *Ptychadena mascareniensis* | X |  |  |  |  |  |  |  |
| *Python molurus* |  |  | X |  |  |  |  |  |
| *Python sebae* | X |  |  |  |  |  |  |  |
| *Rana aurora* |  |  |  |  |  | X |  |  |
| *Rana draytonii* |  |  |  |  |  | X |  |  |
| *Rana temporaria* |  |  |  |  | X |  |  |  |
| *Ranoidea aurea* |  |  |  | X |  |  |  |  |
| *Ranoidea raniformis* |  |  |  | X |  |  |  |  |
| *Rhinella marina* |  |  |  |  |  | X |  | X |
| *Salvator merianae* |  |  |  |  |  |  |  | X |
| *Scelarcis perspicillata* | X |  |  |  |  |  |  |  |
| *Sceloporus occidentalis* |  |  |  |  |  | X |  |  |
| *Scinax quinquefasciatus* |  |  |  |  |  |  |  | X |
| *Scinax ruber* |  |  |  |  |  |  |  | X |
| **Species** | **Africa** | **Asia-Temperate** | **Asia-Tropical** | **Australasia** | **Europe** | **Northern America** | **Pacific** | **Southern America** |
| *Scinax x-signatus* |  |  |  |  |  |  |  | X |
| *Sclerophrys gutturalis* | X |  |  |  |  |  |  |  |
| *Siebenrockiella crassicollis* |  |  | X |  |  |  |  |  |
| *Sphaerodactylus argus* |  |  |  |  |  |  |  | X |
| *Sphaerodactylus elegans* |  |  |  |  |  |  |  | X |
| *Storeria dekayi* |  |  |  |  |  | X |  | X |
| *Sylvirana guentheri* |  |  | X |  |  |  |  |  |
| *Tantilla melanocephala* |  |  |  |  |  |  |  | X |
| *Tarentola annularis* | X | X |  |  |  |  |  |  |
| *Tarentola boettgeri* |  |  |  |  | X |  |  |  |
| *Tarentola mauritanica* | X |  |  |  | X |  |  |  |
| *Taricha granulosa* |  |  |  |  |  | X |  |  |
| *Teira dugesii* |  |  |  |  | X |  |  |  |
| *Tenuidactylus fedtschenkoi* |  | X |  |  |  |  |  |  |
| *Testudo graeca* | X | X |  |  | X |  |  |  |
| *Testudo hermanni* |  |  |  |  | X |  |  |  |
| *Testudo marginata* |  |  |  |  | X |  |  |  |
| *Trachemys decorata* |  |  |  |  |  |  |  | X |
| *Trachemys decussata* |  |  |  |  |  |  |  | X |
| *Trachemys emolli* |  |  |  |  |  | X |  |  |
| *Trachemys scripta* |  |  |  |  |  | X |  |  |
| *Trachemys stejnegeri* |  |  |  |  |  | X |  |  |
| *Trachylepis aurata* | X | X |  |  | X |  |  |  |
| *Trachylepis comorensis* | X |  |  |  |  |  |  |  |
| *Trachylepis quinquetaeniata* | X |  |  |  |  |  |  |  |
| *Trimeresurus mucrosquamatus* |  | X | X |  |  |  |  |  |
| *Triturus carnifex* |  |  |  |  | X |  |  |  |
| *Varanus indicus* |  |  | X | X |  |  | X |  |
| *Varanus niloticus* | X |  |  |  |  |  |  |  |
| *Xenochrophis vittatus* |  |  | X |  |  |  |  |  |
| *Xenopus laevis* | X |  |  |  |  |  |  |  |
| *Zamenis longissimus* |  | X |  |  | X |  |  |  |
| *Zamenis scalaris* |  |  |  |  | X |  |  |  |