**Appendix A**

**Table 1.** Pond-breeding amphibian species where annual dispersal rate (RATE; in percentage), mean dispersal distance (MEAN; in meters) and maximum dispersal distance (MAX; in meters) have been estimated during breeding or natal dispersal. The maximum length of the study (in meters) area is also provided.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Species | Breeding dispersal | Natal dispersal | Study area length | Reference |
| RATE | MEAN | MAX | RATE | MEAN | MAX |
| *Ambystoma californiense* | 26 | 431 | 670 | 30 | 580 | 580 | 6000 | Trenham et al. 2001 |
| *Ambystoma opacum* | 4 | – | 439 | 9 | – | 1350 | 1500 | Gamble et al. 2007 |
| *Ambystoma texanum1* | 4 | 6826 | 10228 | 4 | 6826 | 10228 | 24000 | Denton et al. 2017 |
| *Anaxyrus fowleri* | 11 | – | 8100 | – | – | 34000 | 35000 | Smith & Green 2006 |
| *Anaxyrus fowleri* | – | – | – | 27 | – | 2000 | 2000 | Breden 1987 |
| *Anaxyrus boreas* | 1-2 | – | 6000 | – | – | – | 16000 | Muths et al. 2018 |
| *Anaxyrus houstonensis* | 1 | – | 150 | – | – | – | 5400 | VandeWege et al. 2013 |
| *Anaxyrus terrestris1* | – | – | 675 | – | – | 675 | 675 | Pechmann et al. 2001 |
| *Bombina variegata* | 11 | – | – | – | – | – | 11250 | Cayuela et al. 2016 |
| *Bombina variegata* | 20 | – | 3141 | 15-21 | – | 4529 | – | Cayuela et al. 2008 |
| *Bufo bufo* | 11 | – | 660 | 15 | – | 275 | 1900 | Reading et al. 1991 |
| *Hyla arborea 1* | 9 | 1469 | 12570 | 9 | 1469 | 12570 | 18000 | Vos et al. 2000 |
| *Lithobates pipiens1* | – | – | 5200 | – | – | 5200 | – | Dole 1971 |
| *Lithobates sphenocephalus1* | – | – | 675 | – | – | 675 | 675 | Pechman et al. 2001 |
| *Lithobates sylvaticus* | – | – | – | 17 | 1169 | 2530 | 3780 | Berven & Grudzien 1990 |
| *Litoria aurea* | 44 | – | 1097 | – | – | – | – | Hamer et al. 2008 |
| *Notophthalmus viridescens* | 0 | 0 | 1000 | – | – | – | 5700 | Gill 1978 |
| *Pelobates fuscus* | 1 | 350 | 500 | – | – | – | 575 | Hels 2002 |
| *Pelophylax ridibundus + P. lessonae + P. esculenta 2* | 12 | – | 880 | 9 | – | – | – | Holenweg Peter 2001 |
| *Rana cascadae* | 7 | – | – | 51 | 608 | 1882 | 1667 | Garwood 2009 |
| *Gastrophryne carolinensis1* | – | – | 675 | – | – | 675 | 675 | Pechman et al. 2001 |
| *Notophthalmus viridescens1* | – | – | 675 | – | – | 675 | 675 | Pechman et al. 2001 |
| *Ambystoma talpoideum1* | 5 | – | 825 | 5 | – | 825 | 675 | Pechman et al. 2001 |
| *Triturus alpestris* | 14 | – | 200 | – | – | – | 500 | Perret et al. 2003 |
| *Triturus cristatus* | 1 | – | – | – | – | 860 | 1940 | Kupfer & Kneitz 2000 |
| *Triturus cristatus* | 19 | – | – | – | – | – | – | Cayuela et al. 2018b |
| *Triturus cristatus* | 59 | – | – | – | – | – | 500 | Denoel et al. 2018 |
| *Triturus vulgaris* | 0 | – | – | – | – | – | 5000 | Bell 1977 |

1 Not determined if values provided are for natal or breeding dispersal

2 Not determined the species for which data are provided

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