Suitability of Amphibians and Reptiles for Translocation

I. General Information

Citation:

Summary/Abstract:
Translocations are important tools in the field of conservation. Despite increased use over the last few decades, the appropriateness of translocations for amphibians and reptiles has been debated widely over the past 20 years. To provide a comprehensive evaluation of the suitability of amphibians and reptiles for translocation, we reviewed the results of amphibian and reptile translocation projects published between 1991 and 2006. The success rate of amphibian and reptile translocations reported over this period was twice that reported in an earlier review in 1991. Success and failure rates were independent of the taxonomic class (Amphibia or Reptilia) released. Reptile translocations driven by human-wildlife conflict mitigation had a higher failure rate than those motivated by conservation, and more recent projects of reptile translocations had unknown outcomes. The outcomes of amphibian translocations were significantly related to the number of animals released, with projects releasing over 1000 individuals being most successful. The most common reported causes of translocation failure were homing and migration of introduced individuals out of release sites and poor habitat. The increased success of amphibian and reptile translocations reviewed in this study compared with the 1991 review is encouraging for future conservation projects. Nevertheless, more preparation, monitoring, reporting of results, and experimental testing of techniques and reintroduction questions need to occur to improve translocations of amphibians and reptiles as a whole.

Keywords:
herpetofauna, population, supplementation, reintroduction, relocation, repatriation, translocation

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Year Completed/Publication Date:
2009

Project Format:
Document

Project Type:
Research

II. Species Relevant to Project

Taxonomic Group:
Reptiles, Amphibians

Species:
Amphibians › Northern Red-legged Frog › Rana › aurora
III. Location and Habitat

**Project Location:**
Worldwide

**Forest District:**
Other

**Regional District:**
Other

**South Coast Municipalities:**
Other

**Watershed:**
Other

**BEC Zone:**
Other

**Habitat:**
Agricultural, Forest, Grassland / Shrub Steppe, Lakes, Riparian, Rock / Sparsely Vegetated Rock, Stream / River, Subterranean (Excluding Plants), Urban

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IV. Additional Information

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**My websites / Project Websites:**

http://onlinelibrary.wiley.com/doi/10.1111/j.1523-1739.2008.01123.x/abstract;jsessionid=A28CF17BF6558402A8F765833722B9C0.d02t02

**Other Information:**
Only available through institutional subscription or for purchase.

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