

Amphibian reintroduction projects in North and Central America. Species / projects are grouped by region (e.g. North America) and then taxonomically (by Order, then Genus). Genera are listed alphabetically within Orders and species are listed alphabetically within Genera. Compiled by Amy J. Lind (ajlind@ucdavis.edu / alind@fs.fed.us) for the DAPTF, 2003/2004.

Species	Species' Legal Status	Location	Individual or Group in charge	Years Operating	Project Type	Monitoring	Reports & Publications	Detailed Contact Info
NORTH AMERICA								
Anura - Frogs								
<i>Bufo baxteri</i> Wyoming toad	Federally Endangered	Mortenson Lake National Wildlife Refuge and Hutton Lake National Wildlife Refuge, Wyoming, USA	U.S. Fish and Wildlife Service	1995-present	CB-I, RI	Yes, biannual surveys	Baxter 1946, Baxter, 1952, Baxter 1985, Baxter and Meyer 1982, Baxter et al. 1982, Baxter and Stone 1985, Blair 1957, Corn 1992, Freda et al., 1988, Garber and Patten 1990, Lewis 1984, Lewis et al. 1985, Odum and Spencer 1996, Packard 1971, Parker 2000, Parker et al. 2000, Porter 1968, Smith et al. 1997, Taylor et al. 1999a, b, c, d, Withers 1992	Michelle VanVleet USFWS Wyoming Toad Recovery Coordinator 4000 Airport Pkwy Cheyenne WY 82009 USA (307) 772-2374 ext. 27 Michelle_vanvleet@fws.gov

<i>Bufo boreas</i> Boreal toad	State listed as endangered in Colorado	Rocky Mountain National Park, Larimer County, Colorado, USA	Steve Corn, Erin Muths: U.S. Geol. Survey, Therese Johnson, National Park Service	1995-1997	RI	Yes, annual surveys, more in 1 st year 1995-2002	Muths et al. 2001	Erin Muths, USGS-BRD Fort Collins Science Center, 2150 Centre Ave. Bldg C Fort Collins, CO 80526 USA 970-226-9474 erin_muths@usgs.gov
<i>Bufo fowleri</i> Fowler's toad	None	Floyd Bennett Field, Gateway NRA, Kings Co, New York, USA	National Park Service	1987-present	TR	Yes, annual recording of choruses, incidental encounters	Cook 2002, Matthews et al. 1991	Robert Cook, National Park Service, 99 Marconi Site Rd. Wellfleet, MA 02667 508-487-3262 x 106 Robert_Cook@nps.gov
<i>Bufo fowleri</i> Fowler's toad	None	Sandy Hook Unit, Gateway NRA, NJ, USA	National Park Service	1987-present	RI	Yes, annual records of choruses, incidental encounters	Cook 2002	Robert Cook, National Park Service, 99 Marconi Site Rd. Wellfleet, MA 02667 508-487-3262 x 106 Robert_Cook@nps.gov
<i>Bufo houstonensis</i> Houston toad	Federal Endangered, State endangered	Attwater Prairie Chicken National Wildlife Refuge, Eagle Lake, Texas	Houston Zoological Gardens, Herpetology Section, Hugh Quinn, Curator	1981-1986	Both	Nightly Feb.-June, 1981-1986; no surveys since then	Quinn et. al 1986, Peterson and Mays 1989, Mays and Freed 1985	Stan Mays, Curator of Herpetology, Houston Zoo 1513 North MacGregor, Houston, Texas 77030 (713) 533-6527 smays@houstonzoo.org
<i>Hyla versicolor</i> Grey treefrog	None	Jamaica Bay Wildlife Refuge, Gateway NRA, Queens Co., New York, USA	National Park Service	1987-present	TR	Yes, annual records of choruses, periodic drift fence / pitfall	Cook 1989, 2002, Cook and Tanacredi 1990	Robert Cook, National Park Service, 99 Marconi Site Rd. Wellfleet, MA 02667 508-487-3262 x 106 Robert_Cook@nps.gov

<i>Hyla versicolor</i> Grey treefrog	None	Floyd Bennett Field, Gateway NRA, Kings Co, New York, USA	National Park Service	1987-present	TR	Yes, annual recording of choruses	Cook 2002, Matthews et al. 1991	Robert Cook, National Park Service, 99 Marconi Site Rd. Wellfleet, MA 02667 508-487-3262 x 106 Robert_Cook@nps.gov
<i>Hyla versicolor</i> Grey treefrog	None	Breezy Point Tip, Gateway NRA, Queens, Co. New York, USA	National Park Service	1989-present	TR	Yes, annual records of choruses	Cook 2002	Robert Cook, National Park Service, 99 Marconi Site Rd. Wellfleet, MA 02667 508-487-3262 x 106 Robert_Cook@nps.gov
<i>Hyla versicolor</i> Grey treefrog	None	Fort Tilden, Gateway NRA, Queens Co., New York, USA	National Park Service	1992-present	TR	Yes, annual records of choruses	Cook 2002	Robert Cook, National Park Service, 99 Marconi Site Rd. Wellfleet, MA 02667 508-487-3262 x 106 Robert_Cook@nps.gov
<i>Pseudacris crucifer</i> Spring Peeper	None	Jamaica Bay Wildlife Refuge, Gateway NRA, Queens Co., New York, USA	National Park Service	1980-present	TR	Yes, annual records of choruses, periodic drift fence/pitfall	Cook 1982, 1989, 2002, Cook and Pinnock 1987, Cook and Tanacredi 1990	Robert Cook, National Park Service, 99 Marconi Site Rd. Wellfleet, MA 02667 508-487-3262 x 106 Robert_Cook@nps.gov
<i>Pseudacris crucifer</i> Spring Peeper	None	Floyd Bennett Field, Gateway NRA, Kings Co, New York, USA	National Park Service	1987-present	TR	Yes, annual recording of choruses, incidental encounters	Cook 2002, Matthews et al. 1991	Robert Cook, National Park Service, 99 Marconi Site Rd. Wellfleet, MA 02667 508-487-3262 x 106 Robert_Cook@nps.gov
<i>Pseudacris crucifer</i> Spring Peeper	None	Fort Tilden, Gateway NRA, Queens Co., New York, USA	National Park Service	1988-present	TR	Yes, annual records of choruses	Cook 2002	Robert Cook, National Park Service, 99 Marconi Site Rd. Wellfleet, MA 02667 508-487-3262 x 106 Robert_Cook@nps.gov
<i>Pseudacris crucifer</i> Spring Peeper	None	Breezy Point Tip, Gateway NRA, Queens, Co. New York, USA	National Park Service	1989-present	TR	Yes, annual records of choruses	Cook 2002	Robert Cook, National Park Service, 99 Marconi Site Rd. Wellfleet, MA 02667 508-487-3262 x 106 Robert_Cook@nps.gov

<i>Rana boylei</i> Foothill yellow-legged frog	California Species of Special Concern	Pinnacles National Monument, California, USA	National Park Service	Will begin 2004; slated to run until 2007	RI	Yes, annual surveys	None	Amy Fesnock and Paul Johnson, wildlife biologists Pinnacles National Monument, 5000 Hwy 146, Paicines, CA 95043 USA 831-389-4485 x223 amy_fesnock@nps.gov paul_johnson@nps.gov
<i>Rana chiricahuensis</i> Chiricahua leopard frog	Federally Threatened	Pleasant Valley Ranger District, Tonto National Forest, Gila County, Arizona, USA	Arizona Game and Fish Department, Tonto National Forest	1998-present	CB-I, RI	Yes, 2-4 times per year (1998-2001) annual (2002-present)	Sredl and Healy 1999	Mike Sredl, Arizona Game and Fish Department, 2221 West Greenway Rd, Phoenix, AZ 85023 USA msredl@gf.state.az.us
<i>Rana clamitans</i> Green Frog	None	Jamaica Bay Wildlife Refuge, Gateway NRA, Queens Co., New York, USA	National Park Service	1985-present	TR	Yes, periodic monitoring for choruses, adults. Appears to have failed due to pond drying.	Cook 1989, 2002, Cook and Pinnock 1987, Cook and Tanacredi 1990	Robert Cook, National Park Service, 99 Marconi Site Rd. Wellfleet, MA 02667 508-487-3262 x 106 Robert_Cook@nps.gov
<i>Rana clamitans</i> Green Frog	None	Floyd Bennett Field, Gateway NRA, Kings Co, New York, USA	National Park Service	1990-present	TR	Yes, annual recording of choruses	Cook 2002, Matthews et al. 1991	Robert Cook, National Park Service, 99 Marconi Site Rd. Wellfleet, MA 02667 508-487-3262 x 106 Robert_Cook@nps.gov
<i>Rana draytoni</i> <i>California red-legged frog</i>	Federally Threatened	Guadalupe Restoration Project, Guadalupe-Nipomo Dunes Complex, San Luis Obispo Co., California, USA	Julie Schneider & Galen Rathbun, California Academy of Sciences and USGS.	1999-present	TR	Yes, quarterly surveys	Rathbun and Schneider 2001	Galen Rathbun, CAS c/o P.O. Box 202, Cambria, CA 93428 USA Grathbun@CalAcademy.org Julie Schneider (805) 927-2836 schneiderj@earthlink.net

<i>Rana draytoni</i> California red-legged frog	Federally Threatened	San Francisco Bay Area, California, USA	U.S. Fish and Wildlife Service, Sacramento Zoo (California)	2001	Rear eggs and release at original site.	?	?	Dave Hild Primary Reptile Keeper Sacramento Zoo 3930 Land Park Drive Sacramento, CA 95822 USA cordylus17@hotmail.com
<i>Rana draytonii</i> California red-legged frog	Federally Threatened	Pinnacles National Monument, California, USA	National Park Service	2001-present (should meet objective in 2004)	RI	Yes, annual surveys	None (presentation at 2002 Wildlife Society Meeting)	Amy Fesnock and Paul Johnson, wildlife biologists Pinnacles National Monument, 5000 Hwy 146, Paicines, CA 95043 USA 831-389-4485 x223 amy_fesnock@nps.gov paul_johnson@nps.gov
<i>Rana lutieventris</i> Columbia spotted frog	Utah Conservation Species	Heber Valley, Wasatch County, Utah, USA	Krissy Wilson, Utah Division of Wildlife Resources, Elisabeth Ammon, Utah Reclamation Mitigation Conservation Commission	2000 - present	RI	Annual surveys	Ammon and Wilson 2000, Ammon and Wilson 2001	Krissy Wilson Native Aquatic Biologist Utah Division Wildlife Resources Springville, UT 84663 (801) 491-5678 krissywilson@utah.gov
<i>Rana muscosa</i> Mountain yellow-legged frog	Federal candidate	Sequoia National Park, California, USA	Gary Fellers, U.S. Geological Survey	1994-1998	RI	Yes, multiple visits 1994-1997, single visit 1998	In prep.	Gary M. Fellers Western Ecological Research Center, USGS Point Reyes, CA USA 415-464-5185 Gary_Fellers@usgs.gov
<i>Rana muscosa</i> Mountain yellow-legged frog	Federal Candidate	John Muir Wilderness, Sierra National Forest, Fresno County, California, USA	Roland Knapp: University of California	2001-present	RI	Yes, surveys 3-4 times per year	Knapp 2001	Roland Knapp SNARL University of California, HCR 79, Box 198, Crowley Lake, CA 93546 USA 760-647-0034 knapp@lifesci.ucsb.edu

<i>Rana muscosa</i> Mountain yellow-legged frog	Federal Candidate	Gable lakes, Inyo National Forest, Inyo County, California, USA	California Department of Fish & Game, to be funded by the USFWS	2000-present is the restoration.	RI	None yet.	None at present.	Dawne Becker – Assoc. Bio. California Department of Fish & Game 407 West Line St. Bishop, CA 93514 Dbecker@dfg.ca.gov
<i>Rana onca</i> Relict leopard frog	Federal Candidate	Boulder City, Nevada, USA (artificial wetlands)	National Park Service, Relict Leopard Frog Conservation Team (RLFCT)	2000 - present	RI	Yes, variable intervals	Relict Leopard Frog Conservation Team 2003	Ross Haley Wildlife Biologist Lake Mead NRA 601 Nevada Hwy. Boulder City, NV 89005 USA Ross_Haley@nps.gov
<i>Rana onca</i> Relict leopard frog	Federal Candidate	Lake Mead National Recreation Area, Arizona and Nevada, USA	Relict Leopard Frog Conservation Team (RLFCT)	2002 - present	RI	Yes, variable intervals	Relict Leopard Frog Conservation Team 2003	Ross Haley Wildlife Biologist Lake Mead NRA 601 Nevada Hwy. Boulder City, NV 89005 USA Ross_Haley@nps.gov Sean M. Blomquist and Michael J. Sredl Arizona Game and Fish Department 2221 West Greenway Rd. Phoenix, AZ 85023 USA sblomquist@gf.state.az.us msredl@gf.state.az.us
<i>Rana pipiens</i> Northern leopard frog	Threatened (Alberta <i>Wildlife Act</i>) COSEWIC lists Alberta, Saskatch., Manitoba as Special Concern and B.C. popns Endangered	Release sites are located in west central Alberta and central Alberta. Rearing facility is located near Caroline, Alberta, Canada	Kris Kendell (Project Coordinator) Alberta Conservation Association.	1999-present (on-going)	CB-I, RI (The program involves head-starting)	Yes, annual surveys	Fisher 1999, Kendell 2001, Kendell 2002, Kendell 2003, Wendlandt and Takats 1999.	Kris Kendell Alberta Conservation Association 7 th Floor, O.S. Longman Building 6909 116 Street Edmonton, Alberta T6H 4P2 CANADA Phone: 780-422-4764 Fax: 780-422-9685 kris.kendell@gov.ab.ca

<i>Rana pipiens</i> Northern leopard frog (southern mountain population)	Designated as Endangered by COSEWIC and BC Government	Creston Valley, British Columbia	Columbia Basin Fish and Wildlife Compensation Program	2001 to present	Captive rearing, RI	Yes, annual surveys	Adama et al. 2002, Adama et al. 2003 (in prep.), Wind 2002	Doug Adama Adama Wildlife P.O. Box 158, Golden, B.C. V0A 1H0 (250) 348-2366 adama@rockies.net
<i>Rana pipiens</i> Northern leopard frog	Montana Species of Concern, S1-critically imperiled West of the Continental Divide	Flathead Indian Reservation, Montana, USA	Confederated Salish and Kootenai Tribes	2002-Present	RI	Yes, annual surveys	None	Janene Lichtenberg Wildlife Biologist, Confederated Salish and Kootenai Tribes, Wildlife Management Program, P.O. Box 278, Pablo, MT 59855 USA (406) 883-2888 janenel@cskt.org
<i>Rana pretiosa</i> Oregon spotted frog	Federal Candidate	Wickiup Reservoir, Oregon, USA	U.S. Geological Survey	2001-present	TR	Yes	In prep.	Christopher Pearl, Ecologist, USGS-Forest and Rangeland Ecosystem Sci. Ctr., 3200 SW Jefferson Way, Corvallis OR 97331 USA Christopher_pearl@usgs.gov
<i>Rana subaquavocalis</i> Ramsey Canyon leopard frog	None (Former Federal candidate now covered by conservation agreement)	Huachuca Mtns, Cochise County, Arizona, USA	Ramsey Canyon Leopard Frog Conservation Team	1995-present	CB-I, RI	Yes	Ramsey Canyon Leopard Frog Conservation Team 2000, Sredl, et al. 2003	Mike Sredl, Arizona Game and Fish Department, 2221 West Greenway Rd, Phoenix, AZ 85023 USA msredl@gf.state.az.us Jim Rorabaugh, US Fish and Wildlife Service, 2321 W Royal Palm Rd, Suite 103, Phoenix, AZ 85021 USA Jim_Rorabaugh@fws.gov
<i>Rana sylvatica</i> Wood Frog	Missouri- S3 = rare, USA-G5 = abundant	Washington University Tyson Research Center St. Louis Co., Missouri USA	Owen J. Sexton, Ph.D., Tyson Research Center	1980-present	RI	Yes, 1987 and 1995	Guttman et al. 1991	Owen Sexton Washington University Tyson Research Center P.O. Box 258 Eureka, Missouri 63025 USA sexton@biology.wustl.edu

<i>Rana sylvatica</i> Wood frog	none	Jamaica Bay Wildlife Refuge, Gateway NRA, Queens Co., New York, USA	National Park Service	1995-present	TR	Yes, periodic monitoring for choruses, drift fence /pitfalls, egg mass search	Cook 2002.	Robert Cook, National Park Service, 99 Marconi Site Rd. Wellfleet, MA 02667 508-487-3262 x 106 Robert_Cook@nps.gov
<i>Rana tarahumarae</i> Tarahumara frog	Protected in Arizona (Former Federal candidate)	Proposed for Big Casa Blanca (Santa Rita Mtns) & Sycamore Canyons (Atascosa Mtns), Nogales Ranger District, Coronado National Forest, Santa Cruz County, southern Arizona, USA	Tarahumara Frog Conservation Team	1992 – present (we anticipate the first reintroductions in 2003)	CB-I ongoing ; RI planned	Planned, after reintroduction takes place	Hale and May, 1983, Hale and Jarchow, 1988, Rorabaugh and Humphrey 2002, Field et al. 2002	Jim Rorabaugh US Fish and Wildlife Service, 2321 W Royal Palm Rd, Suite 103, Phoenix, AZ 85021 USA Jim_Rorabaugh@fws.gov Kimberleigh J. Field and Michael J. Sredl Arizona Game and Fish Department 2221 West Greenway Rd. Phoenix, AZ 85023 USA kfield@gf.state.az.us msred@gf.state.az.us
<i>Scaphiopus h. holbrooki</i> Eastern spadefoot toad	None	Jamaica Bay Wildlife Refuge, Gateway NRA, Queens Co., New York, USA	National Park Service	1989 - present	TR	Yes, periodic drift fence/pitfall traps	Cook 2002	Robert Cook, National Park Service, 99 Marconi Site Rd. Wellfleet, MA 02667 508-487-3262 x 106 Robert_Cook@nps.gov
Urodela – Salamanders								
<i>Ambystoma annulatum</i> Ringed Salamander	Missouri-S3 = rare; USA-G4 = abundant	Washington University Tyson Research Center St. Louis Co., Missouri USA	Owen J. Sexton, Ph.D., Tyson Research Center	1977-present	RI	Yes, annually 1996-1998	None	Owen Sexton Washington University Tyson Research Center P.O. Box 258 Eureka, Missouri 63025 USA sexton@biology.wustl.edu

<i>Ambystoma maculatum</i> Spotted Salamander	Not listed, presumed abundant	Washington University Tyson Research Center St. Louis Co., Missouri USA	Owen J. Sexton, Ph.D., Tyson Research Center	1966 - present	RI	Yes, annually 1974-1978 1986-1988, 1995	Sexton et al. 1986, Phillips and Sexton 1989, Sexton et al. 1990, Sexton et al. 1998a and 1998b	Owen Sexton Washington University Tyson Research Center P.O. Box 258 Eureka, Missouri 63025 USA sexton@biology.wustl.edu
<i>Ambystoma maculatum</i> Spotted salamander	None	Jamaica Bay Wildlife Refuge, Gateway NRA, Queens Co., New York, USA	National Park Service	1987- present	TR	Yes, periodic drift fence, minnow trapping, survey.	Cook 1989, 2002, Cook and Tanacredi 1990	Robert Cook, National Park Service, 99 Marconi Site Rd. Wellfleet, MA 02667 508-487-3262 x 106 Robert_Cook@nps.gov
<i>Ambystoma maculatum</i> Spotted salamander	None	Floyd Bennett Field, Gateway NRA, Kings Co, New York, USA	National Park Service	1990- present	TR	Formerly, annual search for egg masses. Now periodic.	Cook 2002, Matthews et al. 1991	Robert Cook, National Park Service, 99 Marconi Site Rd. Wellfleet, MA 02667 508-487-3262 x 106 Robert_Cook@nps.gov
<i>Notophthalmus viridescens</i> Central Newt	Not listed, presumed abundant	Washington University Tyson Research Center St. Louis Co., Missouri USA	Owen J. Sexton, Ph.D., Tyson Research Center	1966	RI	None	None	Owen Sexton Washington University Tyson Research Center P.O. Box 258 Eureka, Missouri 63025 USA sexton@biology.wustl.edu
<i>Notophthalmus v. viridescens</i> Red-spotted Newt	None	Jamaica Bay Wildlife Refuge, Gateway NRA, Queens Co., New York, USA	National Park Service	1991- present	TR	Yes, periodic drift fence, minnow trapping	Cook 2002	Robert Cook, National Park Service, 99 Marconi Site Rd. Wellfleet, MA 02667 508-487-3262 x 106 Robert_Cook@nps.gov
<i>Plethodon cinereus</i> Redback salamander	None	Jamaica Bay Wildlife Refuge, Gateway NRA, Queens Co., New York, USA	National Park Service	1983- present	TR	Yes, periodic drift fence, search under cover	Cook 1989, 2002, Cook and Pinnock 1987, Cook and Tanacredi 1990	Robert Cook, National Park Service, 99 Marconi Site Rd. Wellfleet, MA 02667 508-487-3262 x 106 Robert_Cook@nps.gov

<i>Plethodon cinereus</i> Redback salamander	None	Floyd Bennett Field, Gateway NRA, Kings Co, New York, USA	National Park Service	1987-present	TR	Formerly, annual search under cover, Now periodic.	Cook 2002, Matthews et al. 1991	Robert Cook, National Park Service, 99 Marconi Site Rd. Wellfleet, MA 02667 508-487-3262 x 106 Robert_Cook@nps.gov
CENTRAL AMERICA / CARIBBEAN								
Anura - Frogs								
<i>Atelopus zeteki</i>		Panama	Roberto Ibanez		CB-O (Detroit and Baltimore Zoos, USA)			Roberto Ibanez ibanezr@tivoli.si.edu
<i>Bufo lemur</i>		Puerto Rico						Fernando Bird University of Puerto Rico Mayaguez, Puerto Rico fbird@uprm.edu
<i>Leptodactylus fallax</i> Mountain chicken frog	Endangered	Montserrat, West Indies	Montserrat National Trust and Durrell Wildlife Conservation Trust	1999-present	CB-O (Jersey Zoo, UK)	None yet.	None yet.	Montserrat National Trust P.O. Box 393 Olveston, Montserrat WEST INDIES 664-491-3086 mnatrust@candw.ag

Table Notes:**Project ID:** Unique identifying number for each project.**Species:** Scientific and common names.**Legal Status:** e.g. federally endangered or threatened, state special concern, sensitive, no legal status.**Location:** geographic location of project – place (e.g. Yosemite National Park), city or county and state or province, country.**Individual or Group in charge:** e.g. John Smith, National Park Service, Amphibians Forever, etc.**Years in Operation:** start and end dates of program, or ongoing – start date-present.**Project Type*:** TR = translocation; RI = reintroduction; CB = captive breeding. If CB, specify in country (I) or out of country (O) – eg. CB-I**Monitoring:** yes or no, time interval (e.g. survey every year).**Reports/Pubs:** provide a short citation here (e.g. Smith 2000), and then submit a complete reference list below.**Detailed contact info:** name, address, phone, email of contact for questions on the project.

* Definitions of reintroduction, translocations, etc. - IUCN 1995 IUCN/SSC Guidelines For Re-Introductions. 41st Meeting of the IUCN Council, Gland, Switzerland, May. <http://www.iucn.org/themes/ssc/pubs/policy/reinte.htm>:

Re-introduction: an attempt to establish a species in an area which was once part of its historical range, but from which it has been extirpated or become extinct ("Re-establishment" is a synonym, but implies that the re-introduction has been successful).

Translocation: deliberate and mediated movement of wild individuals or populations from one part of their range to another.

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