



Southwest Regional Gap Analysis Wildlife Habitat Relationship

ID	1937	Model Name	SWReGAP 173443
Taxa code (ITIS)	173443		
Scientific Name	Rana pipiens		
Common Name	Northern leopard frog		
Created By	lobrien	Last Modified By	cmettenbrink
Date	1/1/2004	Date	8/1/2005 8:25:36 AM
Sensitive Data	<input type="checkbox"/>		

Model Description Northern Leopard Frog
Rana pipiens
Entire Range
Landcover "and" Hydrology
SWREGAP Final Model

Background Found in a variety of habitats including grassland, brushland, woodland and forest ranging high into mountains (Stebbins 2003). This is the most cold adapted of all leopard frogs and frequents springs, slow flowing streams, marshes, bogs, ponds, glacial kettle ponds, beaver ponds, lakes, irrigated ditches, canals, and reservoirs usually permanent water with grass, cattails, or other aquatic vegetation (Stebbins 2003, Hammerson 1999). *R. pipiens* inhabits streams, rivers, lakes, marshes, and irrigation ditches (Degenhardt et al. 1996). Usually found at water's edge, but when foraging, may be found far from water in damp meadows or may roam during mild wet weather (Stebbins 2003, Hammerson 1999). In summer, commonly inhabits wet meadows and fields (Natureserve, Hammerson 1999). In winter, time is spent at the bottom of a body of water such as a pond or stream (Hammerson 1999). Stebbins (2003) states this species can be found from sea level to 3350m. In Colorado, found from 914- 3350m. In New Mexico, much of the river valley habitat for this species has been modified by humans; draining of wetlands, channelization and damming of rivers, and development of irrigation systems have altered habitat (Degenhardt et al. 1996).

Description Changes Import of CO-GAP data; removed intermittent water sources; NM state review added 30, 56, 59, 136; NOTE: some HUCs in NV are extirpated but too difficult to determine which HUCs based on Stebbins 2003; SWReGAP Internal Review-added landforms 1-4; removed non-aquatic land covers; changed to "or" statement as per model description(KB); added UT HUC- Utah Natural Heritage Program range review, March 2005, changed range map in NM according to expert review and the NM Herp Database, CO species expert review removed the Great Salt Lake from the range map, added ecological system S071, and made the model an "and" statement;

Relationships

Elevation	147 - 3350;
Slope Min	n/a
Precipitation	n/a
Temperature	n/a
Soil Depth	n/a
Aspect	n/a
Landform	valley flats; toe slopes, bottoms, and swales; gently sloping ridges and hills; nearly level plateau or terrace;
Distance to Water	0 - 100m from Permanent Streams, Lakes, Springs, Wetlands
Soil associations	n/a
Mountain Ranges	n/a
Ecological System	S071 Inter-Mountain Basins Montane Sagebrush Steppe S091 Rocky Mountain Subalpine-Montane Riparian Shrubland S092 Rocky Mountain Subalpine-Montane Riparian Woodland S093 Rocky Mountain Lower Montane Riparian Woodland and Shrubland S095 Western Great Plains Riparian Woodland and Shrubland S096 Inter-Mountain Basins Greasewood Flat S100 North American Arid West Emergent Marsh S102 Rocky Mountain Alpine-Montane Wet Meadow S118 Great Basin Foothill and Lower Montane Riparian Woodland and Shrubland S120 Western Great Plains Floodplain Herbaceous Wetland N11 Open water

Citations

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Schrupp, D.L., and A. Cade 1989 Colorado Wildlife Species Database - User's Guide. Colorado Division of Wildlife. DOW-HR-01-89. Denver, CO

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Degenhardt, William G., Charles W. Painter, and Andrew H. Price 1996 Amphibians and reptiles of New Mexico University of New Mexico Press, Albuquerque, New Mexico. 429 pages

Painter, Charles 2004 New Mexico State Review, personal communication and expert review.

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