



Southwest Regional Gap Analysis Wildlife Habitat Relationship

ID	2209	Model Name	SWReGAP 173441
Taxa code (ITIS)	173441		
Scientific Name	Rana catesbeiana		
Common Name	Bullfrog		
Created By	kboykin	Last Modified By	kboykin
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Sensitive Data

Model Descriptio BULLFROG
Rana catesbeiana
Entire Range

Background Adults prefer mostly aquatic, warmer lentic habitats including oxbows, ponds, reservoirs, marshes and still water with wood debris and dense emergent vegetation (Degenhardt, 1996 ,Casper and Hendricks ,NatureServe, 2003). Also occupies shorelines of lakes and streams. Remain inactive until water temperature approaches 15 C (Degenhardt, 1996). Dispersal of 7-8 km likely (Degenhardt, 1996). Occurs in New Mexico's largest rivers and lakes - and in stock tanks and roadside ditches after rains (Casper and Hendricks). Frequents prairie, woodland, chaparral, forests, desert oases, and farmlands (Stebbins, 1985). Enters marshes, ponds, lakes, resevoirs, and streams - usually with quiet water and aquatic vegetation (Stebbins, 1985). Streams and ditches are inhabited if not too swift (Hammerson, 1999). Often in areas with woody vegetation overhanging water (Hammerson, 1999). Can colonize temperary bodies of water hundredes of meters from permanent water (Hammerson, 1999). Found at one site at 2,745 meters, but it is a thermal spring (Hammerson, 1999). Inhabits impoundments in intermittent streams if water is permanent (New Mexico Department of Game and Fish, 2000)

Description Changes Previous GAP Models and Keys; removed landform 1 and 2;

Relationships

Elevation	0 - 2740;
Slope Min	n/a
Precipitation	n/a

Temperature	n/a
Soil Depth	n/a
Aspect	n/a
Landform	n/a
Distance to Water	0 - 100m from Permanent Streams, Lakes, Wetlands
Soil associations	n/a
Mountain Ranges	n/a
Ecological System	n/a

Citations

Degenhardt, William G., Charles W. Painter, and Andrew H. Price 1996 Amphibians and Reptiles of New Mexico

Casper and Hendricks O Lannoos (ed.) Status and Conservation of US amphibians

Stebbins, R.C 1985 A Field Guide to western reptiles and amphibians, second edition, revised Houghton Mifflin Company, Boston, Mass. 336 pages

Hammerson, Geoffrey A 1999 Amphibians and reptiles in Colorado, second edition University Press of Colorado and Colorado Division of Wildlife, Niwot, Colorado. 484 pages

NatureServe. 2003 NatureServe Explorer: An online encyclopedia of life (web application). Version 1.8. NatureServe, Arlington, Virginia. Available <http://www.natureserve.org/explorer>

New Mexico Department of Game and Fish 2002 Biota Information System of New Mexico. New Mexico Department of Game and Fish electronic database, BISON, Version January 2002, Santa Fe, New Mexico <http://nmnhp.unm.edu/bisonm/bisonquery.php>. Accessed on 25 August 2003

Thompson, B. C., P. J. Crist, J. S. Prior-Magee, R. A. Deitner, D. L. Garber, and M. A. Hughes 1996 Gap analysis of biological diversity conservation in New Mexico using geographic information systems Research Completion Report, New Mexico Cooperative Fish and Wildlife Research Unit, Las Cruces

Painter, Charles and Leland Pierce 2000 Expected Ranges of New Mexico Amphibians and Reptiles NMHERP; Archive on CD for ArcView GIS