

**References Cited in the 12-Month Finding on a Petition to List a Distinct Population
Segment of the Roundtail Chub in the Lower Colorado River Basin
and to List the Headwater Chub**

- Abarca, F.J., and D.A. Weedman. 1993. Native fishes of Tonto Creek, Tonto National Forest, Arizona. AZ Game and Fish Dept., Phoenix, AZ. 51 p + photos.
- Anderson, R. and P. Turner. 1978. Stream survey of the San Francisco River. Unpublished report to New Mexico Department of Game and Fish. Department of Fishery and Wildlife Science, New Mexico State University. 24 p.
- Aquatic Nuisance Species Task Force, 1994. Report to Congress: Findings, Conclusions, and Recommendations of the Intentional Introductions Policy Review. ANSc/o USDI/USFWS, Washington, DC. 25p.
- Arizona Department of Environmental Quality. 1993. Evaluation of activities occurring in riparian areas. Arizona Department of Environmental Quality, Nonpoint Source Unit, Water Assessment Section, Phoenix, Arizona. 75 p.
- Arizona Game and Fish Department. 2005. Arizona Game and Fish Department 2005 Fishing Regulations. Arizona Game and Fish Department, Phoenix, AZ. 51 p.
- Armour, C.L., D.A. Duff, and W. Elmore. 1991. The effects of livestock grazing on riparian and stream ecosystems. Fisheries 16(1):7-11.
- Bailey, R.G. 1995. Descriptions of the ecoregions of the United States, USDA Forest Service. Worldwide web page accessed on April 24, 2006:
http://www.fs.fed.us/land/ecosysgmt/ecoreg1_home.html
- Baird, S.F., and C.Girard. 1853. Descriptions of some new fishes from the River Zuni. Proceedings of the Academy of Natural Sciences of Philadelphia, 6:368-369.
- Baltz, D.M., and P.B. Moyle. 1993. Invasion resistance to introduced species by a native assemblage of California stream fishes. Ecological Applications 246-255.
- Barrett, J.C., G. Grossman, J. Rosenfeld. 1992. Turbidity- induced changes in reactive distance of rainbow trout. Transactions of the American Fisheries Society 121(4): 437-443.
- Barrett, P.J., and O.E. Maughan. 1995. Spatial habitat selection of roundtail chub (Gila robusta) in two central Arizona streams. The Southwestern Naturalist 40(3):301-307.
- Belsky, A. J., A. Matzke, and S. Uselman. 1999. Survey of livestock influences on stream and riparian ecosystems in the western United States. Journal of Soil and Water Conservation 54(1):419-431.

- Bestgen, K.R. 1985. Distribution, biology and status of the roundtail chub, *Gila robusta*, in the Gila River Basin, New Mexico. Department of Fishery and Wildlife Biology. Fort Collins, CO, Colorado State University. 104 p. + maps.
- Bestgen, K.R., and D.L. Propst. 1989. Distribution, status, and notes on the ecology of *Gila robusta* (Cyprinidae) in the Gila River drainage, New Mexico. The Southwestern Naturalist 34(3):402-412.
- Bezzerides, N., and K.R. Bestgen. 2002. Status review of roundtail chub *Gila robusta*, flannelmouth sucker *Catostomus latipinnis*, and bluehead sucker *Catostomus discobolus* in the Colorado River basin. Colorado State University Larval Fish Laboratory 118:1-139.
- Brouder, M.J., D.D. Rogers, et al. 2000. Life history and ecology of the roundtail chub, *Gila robusta*, from two streams in the Verde River Basin. Phoenix, AZ, Arizona Game and Fish Department. 19 p.
- Brown, A.V., M.M. Lyttle, and K.B. Brown. 1998. Impacts of gravel mining on gravel bed streams. Transactions of the American Fisheries Society 127:979-994.
- Burkham, D.E. 1970. An analysis of the hydrologic variables and relations affecting drainage of the Gila River Phreatophyte Project Area -- Gila River phreatophyte project, Graham County, Arizona. U.S. Geological Survey Professional Paper 655-B, Washington, D.C. 37 p.
- Burns, J.W. 1971. The impacts of road construction and logging on salmon and trout populations, California Department of Fish and Game 101:1-17.
- Carlson, C.A. and R.T. Muth. 1989. The Colorado River: lifeline of the American Southwest. Pages 220-239 In: Proceedings of the International Large River symposium. Dodge, D.P., Ed. Canadian Special Publication of Fisheries and Aquatic Sciences 106.
- Carpenter, J. 2000. Effects of introduced crayfish on selected native fishes of Arizona. Ph.D. dissertation, University of Arizona. 170 p.
- Carpenter, J. 2005. Competition for food between an introduced crayfish and two fishes endemic to the Colorado River basin. Environmental Biology of Fishes 72: 335-342.
- Clarkson, R.W., A.T. Robinson, and T.L. Hoffnagle. 1997. Asian tapeworm (*Bothriocephalus acheilognathi*) in native fishes from the Little Colorado River, Grand Canyon, Arizona. Great Basin Naturalist. 57 (1): 66-69.
- Clary, W. P. and D. E. Medin. 1990. Differences in vegetation biomass and structure

- due to cattle grazing in a northern Nevada riparian ecosystem, USDA Forest Service. 11 p.
- Clary, W.P. and B.F. Webster. 1989. Managing grazing of riparian areas in the Intermountain Region, USDA Forest Service. 15 p.
- Cohen, A.N. and J.T. Carlton. 1995. Nonindigenous aquatic species in a United States estuary: a case study of the biological invasions of the San Francisco Bay and Delta. U.S. Fish and Wildlife Service, Washington, D.C.. 215 p.
- Cooper, C.F. 1960. Changes in vegetation, structure and growth of Southwestern pine forests since white settlement. *Ecological Monographs* 30: 129-164.
- Cope, E.D. and H.C. Yarrow. 1875. Report upon the collection of fishes made in portions of Nevada, Utah, California, Colorado, New Mexico, and Arizona, during the years 1871, 1872, 1873, and 1874. Report Geography and Geology Exploration and Survey West of the 100th meridian (Wheeler's Survey), 6:635-703, pls. 26-32.
- Covington, W.W., M.M. Moore. 1994. Southwestern ponderosa forest structure: Changes since Euro-American settlement. *Journal of Forestry*, January:39-47.
- Creef, E.D. and R.W. Clarkson. 1993. Razorback sucker (*Xyrauchen texanus*) and Colorado squawfish (*Ptycocheilus lucius*) monitoring, Verde and Salt rivers, Arizona, 1991-1993. Completion report to U.S. Fish and Wildlife Service on Project E5-4, Job 7, Title VI of the Endangered Species Act. Arizona Game and Fish Department, Phoenix, Arizona.
- Croxen, F. 1926. History of grazing on the Tonto. Presentation by Senior Forest Ranger at the Tonto Grazing Conference, Phoenix, November 4 and 5. 11 p.
- Deacon, J.E., G. Kobetich, J.D. Williams, S. Contreras, and other members of the Endangered Species Committee of the American Fisheries Society. 1979. Fishes of North America. Endangered, threatened, or of special concern: 1979. *Fisheries* 4(2):29-44.
- Demarais, B.D. 1986. Morphological variation in Gila (Pisces: Cyprinidae) and geologic history: lower Colorado River basin. MS Thesis. Arizona State University. Tempe, AZ. 85 p.
- Demarais, B.D. 1992. Genetic relationships among fishes allied to the genus Gila (Teleostei: Cyprinidae) from the American southwest. PhD Thesis. Arizona State University. Tempe, AZ. 191 p.
- Douglas, M.E., R.R. Miller, and W.L. Minckley. 1998. Multivariate discrimination of Colorado Plateau Gila spp.: The "art of seeing well" revisited. *Transactions of the*

- American Fisheries Society 127(2):163-173.
- Dowling, T.E., and B.D. DeMarais. 1993. Evolutionary significance of introgressive hybridization in cyprinid fishes. *Nature* 362:444-446.
- Dudley, R.K. and W.J. Matter. 2000. Effects of small green sunfish (*Lepomis cyanellus*) on recruitment of Gila chub (*Gila intermedia*) in Sabino Creek, Arizona. *Southwestern Naturalist* 45(1):24-29.
- Dunne, T. and L.B. Leopold. 1978. *Water in environmental planning*. W.H. Freeman and Co., New York. 818 p.
- Eaglin, G.S. and W.A. Hubert 1993. Effects of logging and roads on substrate and trout in streams of the Medicine Bow National Forest, Wyoming. *North American Journal of Fisheries Management* 13(4): 844-846.
- Emerson, J.W. 1971. Channelization: a case study. *Science* 73:325-326.
- Fagan, W.F., P.J. Unmack, C. Burgess, and W.L. Minckley. 2002. Rarity, fragmentation, and extinction risk in desert fishes. *Ecology* 83(12):3250-3256.
- Fleischner, T.L. 1994. Ecological costs of livestock grazing in western North America. *Conservation Biology* 8(3): 629-644.
- Fuller, P.L., L.G. Nico, and J.D. Williams. 1999. Nonindigenous fishes introduced into inland waters of the United States. *American Fisheries Society Special Publication* 27, Bethesda, MD. 613p.
- Ganda (Garcia and Associates). 1997. Tonto Creek Riparian Unit riparian habitat monitoring study. Final Annual Report to the US Bureau of Reclamation, Tiburon, California.
- Gerber, A.S., C.A. Tibbets, and T.E. Dowling. 2001. The role of introgressive hybridization in the evolution of the Gila robusta complex (Teleostei: Cyprinidae). *Evolution* 55(10):2028-2039.
- Girmendonk, A.L., and K.L. Young. 1997. Status review of the roundtail chub (*Gila robusta*) in the Verde River basin. AZ Game and Fish Dept. Nongame Technical Report 114. Phoenix, AZ. 95 p.
- Glennon, R.J. 1995. The threat to river flows from groundwater pumping. *Rivers* 5(2):133-139.
- Gorman, O.T., and J.R. Karr. 1978. Habitat structure and stream fish communities. *Ecology* 59(3):507-515.

- Green, C.R. and W.D. Sellers. 1964. Arizona Climate. The University of Arizona Press, Tucson. 503 p.
- Heckmann, R.A., J.E. Deacon, and P.D. Greger. 1986. Parasites of the woundfin minnow, *Plagopterus argentissimus*, and other endemic fishes from the Virgin River, Utah. *Great Basin Naturalist*. 46(4): 662-675.
- Hendrickson, D.A. 1993. Evaluation of the razorback sucker (*Xyrauchen texanus*) and Colorado squawfish (*Ptychocheilus lucius*) reintroduction programs in central Arizona based surveys of fish populations in the Salt and Verde Rivers from 1986 to 1990. Arizona Game and Fish Department, Phoenix, AZ.
- Hereford, R. 1992. Geomorphic evolution of the San Pedro River channel since 1900 in the San Pedro Riparian National Conservation Area, in southeast Arizona. U.S. Geological Survey, Open File Report 92-339, Denver, Colorado. 71 p.
- Holden, P.B. 1968. Systematic studies of the genus *Gila* (Cyprinidae) of the Colorado River basin. Utah State University, Logan, Utah.
- Holden, P.B., and C.B. Stalnaker. 1970. Systematic studies of the cyprinid genus *Gila* in the upper Colorado River basin. *Copeia* 1970(3):409-420.
- Holden, P.B., and C.B. Stalnaker. 1975. Distribution and abundance of mainstream fishes of the middle and upper Colorado River basins, 1967-1973. *Transactions of the American Fisheries Society* 104:217-231.
- Horak, G.C. 1989. Integrating riparian planning in the urban setting. Pages 41-44 In: R. E. Gresswell, B. A. Barton, and J. L. Kershner, editors. Practical approaches to riparian resource management. An educational workshop. May 8-11, 1989. Billings, Mont. U.S. Bureau of Land Management, Billings, Mont.
- Jones, J.A., Frederick, J.S., B.C. Wemple, and K.U. Snyder. 2000. Effects on hydrology, geomorphology, and disturbance patches in stream networks. *Conservation Biology* 14(1):76-85
- Johnson, J.E. 1987. Protected fishes of the United States and Canada. American Fisheries Society, Bethesda, MD. 42 p.
- Kauffman, J.B., W.C. Krueger. 1984. Livestock impacts on riparian plant communities and streamside management implications...a review. *Journal of Range Management* 37(5):430-438.
- Lachner, E.A., C.R. Robins, and W.R. Courtenay, Jr. 1970. Exotic fishes and other aquatic organisms introduced into North America. *Smithsonian Contributions to Ecology* 59:1-29.

- Lawler, S.P., D. Dritz, R. Strange, and M. Holyoak. 1999. Effects of introduced mosquitofish and bullfrogs on the threatened California red-legged frog. *Conservation Biology* 13(3):613-622.
- Lassuy, D.R. 1995. Introduced species as a factor in extinction and endangerment of native fish species. *American Fisheries Society Symposium* 15:391-396.
- Lewis, J. 1998. Evaluating the impacts of logging activities on erosion and suspended sediment transport in the Caspar Creek watersheds. USDA Forest Service, Pacific Southwest Research Station, General Technical Report PSW-GTR-168-Web. 16 p.
- Ligon, F.K., W.E. Dietrich, and W.J. Trush. 1995. Downstream ecological effects of dams. *BioScience* 45(3):183-192.
- McNabb, W.H. and P.E. Avers, eds. 1994. *Ecological Subregions of the United States: 94 Section Descriptions*. Washington, DC. U.S. Department of Agriculture, Forest Service. Publication WO-WSA-5. World wide web page accessed on April 24, 2006: <http://www.fs.fed.us/land/pubs/ecoregions/>
- Medina, A.L. 1990. Possible effects of residential development on streamflow, riparian plant communities, and fisheries on small mountain streams in central Arizona. *Forest Ecology and Management* 33/34:351-361.
- Meehan, W.R. 1991. Influences of forest and rangeland management on salmonid fishes and their habitats. *American Fisheries Society Special Publication* 19, Bethesda, Maryland. 751 p.
- Meffe, G.K., C.R. Carroll. 1994. *Principles of conservation biology*. Sinauer, Sunderland, Massachusetts. 600 p.
- Miller, R.R. 1945. A new cyprinid fish from southern Arizona and Sonora, Mexico, with the description of a new subgenus of *Gila* and a review of related species. *Copeia*, 1945: 104-110.
- Miller, R.R. 1961. Man and the changing fish fauna of the American southwest. *Papers of the Michigan Academy of Science, Arts, and Letters* XLVI:365-404.
- Miller, R.R. 1972. Threatened freshwater fishes of the United States. *Transactions of the American Fisheries Society* 2:239-252.
- Miller, A.S., and W.A. Hubert. 1990. *Compendium of existing knowledge for use in making habitat management recommendations for the upper Colorado River basin*. U.S. Fish and Wildlife Service, Denver, CO. 470 p.
- Miller, R.R., J.D. Williams, and J.E. Williams. 1989. *Extinction in North American*

- fishes during the past century. *Fisheries* 14: 22-29,31-38.
- Minckley, W.L. 1973. *Fishes of Arizona*. AZ Game and Fish Dept. Phoenix, AZ. 293 p.
- Minckley, W.L. 1985. Native fishes and natural aquatic habitats in U.S. Fish and Wildlife Service Region II west of the continental divide. Final Report for U.S. Fish and Wildlife Service, Albuquerque, NM. Arizona State University, Tempe.
- Minckley, W.L. and J.E. Deacon (eds.). 1991. *Battle against extinction: native fish management in the American West*. The University of Arizona Press, Tucson, Arizona.
- Minckley, W.L. and B.D. Demaris. 2000. Taxonomy of chubs (Teleostei, Cyprinidae, Genus *Gila*) in the American Southwest with comments on conservation. *Copeia* 1:251-256.
- Minckley, W.L., and J.N. Rinne. 1985. Large woody debris in hot-desert streams: an historical review. *Desert Plants* 7(3): 142-153.
- Minckley, W.L., and J.N. Rinne. 1991. Native fishes of arid lands: A dwindling resource of the desert southwest. USDA Forest Service General Technical Report RM-206:1-45.
- Murphy, M.L., C.P. Hawkins, and N.H. Anderson. 1981. Effects of canopy modification and accumulated sediment on stream communities. *Transactions of the American Fisheries Society* 110: 469-78.
- National Interagency Fire Center. 2006. National Interagency Fire Center. World wide web page accessed on April 24, 2006: <http://www.nifc.gov/>
- Nelson, J.S., E.J. Crossman, H.E. Espinoza-Perez, L.T. Findley, C.R. Gilbert, R.N. Lea, and J.D. Williams. 2004. *Common and Scientific Names of Fishes from the United States, Canada, and Mexico*. Sixth Edition. American Fisheries Society, Bethesda, MD. 386 p.
- Neve, L.C. 1976. The life history of the roundtail chub, *Gila robusta grahami*, at Fossil creek, Arizona. MS Thesis. Northern Arizona University. Flagstaff, AZ. 46 p.
- Newcombe, C.P. and D.D. MacDonald. 1991. Effects of suspended sediments on aquatic ecosystems. *North American Journal of Fisheries Management* 11:72-82.
- New Mexico Game and Fish Department. 2005. *New Mexico Game and Fish Department 2005-2006 Fishing Rules and Information Booklet*. New Mexico Game and Fish Department, Sante Fe, NM. 20 p.

- Ono, R.D., J.D. Williams, and A. Wagner. 1983. Vanishing fishes of North America. Stone Wall Press, Washington, D.C.
- Pearce, R.A., M.J. Trlica, W.C. Leininger, D.E. Mergen, and G. Fraser. 1998. Sediment movement through riparian vegetation under simulated rainfall and overland flow. *Journal of Range Management* 51(3):301-308.
- Platts, W.S. and R.L. Nelson. 1989. Stream canopy and its relationship to salmonid biomass in the intermountain west. *North American Journal of Fisheries Management* 9: 446-457.
- Propst, D.L. 1999. Threatened and endangered fishes of New Mexico. New Mexico Game and Fish Department, Santa Fe, NM. 84 p.
- Rahel, F.J., and W.A. Hubert. 1991. Fish assemblages and habitat gradients in a Rocky Mountain - Great Plains stream: biotic zonation and additive patterns of community change. *Transactions of the American Fisheries Society* 120:319-332.
- Reid, L.M. 1993. Research and cumulative watershed effects. U.S. Forest Service General Technical Report PSW-GTR-141, Albany, CA. 118 p.
- Rich, L.R., and H.G. Reynolds. 1963. Grazing in relation to runoff and erosion on some chaparral watersheds of central Arizona. *Journal of Range Management* 6:322-326.
- Rinne, J.N. 1969. Cyprinid fishes of the genus *Gila* from the lower Colorado River basin. M.S. thesis. Arizona State University, Tempe, Arizona. 77 p.
- Rinne, J.N. 1976. Cyprinid fishes of the genus *Gila* from the lower Colorado River basin. *The Wasmann Journal of Biology* 34(1):65-107.
- Rinne, J.N. 2004. Forests, Fish and Fire: Relationships and Management Implications for Fishes in the Southwestern USA. Pages 151-156 In: G.J. Scrimgeour, G. Eisler, B. McCulloch, U. Silins and M. Monita. Editors. Forest Land-Fish Conference II – Ecosystem Stewardship through Collaboration. Proc. Forest-Land-Fish Conf. II, April 26-28, 2004, Edmonton, Alberta.
- Rosen, P.C., C.R. Schwalbe, D.A. Parizek, Jr., P.A. Holm, and C.H. Lowe. 1995. Introduced aquatic vertebrates in the Chiricahua region: Effects on declining native ranid frogs. Pages 251-261 In: L.F. DeBano, P.F. Ffolliott, A. Ortega-Rubio, G.J. Gottfried, R.H. Hamre, and C.B. Edminster, tech coords, Biodiversity and Management of the Madrean Archipelago: The Sky Islands of Southwestern United States and Mexico. USDA Forest Service, Gen. Tech. Rept. RM-GTR-264, Rocky Mtn. For. & Range Exp. Stn., Ft. Collins, Colorado. 69p.
- Rosgen, D.L. 1994. A classification of natural rivers. *Catena* 22(1994): 169-199.

- Rosenfeld, M.J., and J.A. Wilkinson. 1989. Biochemical genetics of the Colorado River *Gila* complex (Pisces: Cyprinidae). *The Southwestern Naturalist* 34(2):232-244.
- Schmetterling, D.A., C.G. Clancy, and T.M. Brandt. 2001. Effects of riprap bank reinforcement on stream salmonids in the western United States. *Fisheries* 26(7):6-13.
- Schulz, T.T., and W.C. Leininger. 1990. Differences in riparian vegetation structure between grazed areas and exclosures. *Journal of Range Management* 43(4): 295-299.
- Sims, R.C. The Water Atlas of Utah Web Pages. 1998. Utah Water Research Laboratory. World wide web page accessed on April 24, 2006: <http://www.engineering.usu.edu/uwrl/atlas/ch2/ch2premaps.html>
- Simpson, P.W., J.R. Newman, M. A. Keirn, R. M. Matter, and P. A. Guthrie. 1982. Manual of stream channelization impacts on fish and wildlife. U.S. Fish and Wildlife Service, Washington, D.C. 155 p.
- Smith, G.R., R.R. Miller, and W.D. Sable. 1979. Species relationships among fishes of the genus *Gila* in the upper Colorado River drainage. Proceedings of the First Conference on Scientific Research in the National Parks, USNPS Transactions and Proceedings Series 1:613-623.
- Sublette, J.E., M.D. Hatch, and M. Sublette. 1990. *The Fishes of New Mexico*. University of New Mexico Press, Albuquerque, New Mexico. 393 p.
- Swanson, F.J., S.V. Gregory, J.R. Sedell, and A.G. Campbell. 1982. Land-water interactions: the riparian zone. Pages 267-291 In: R.L. Edmonds, editor. *Analysis of Coniferous Forest Ecosystems in the Western United States*. Hutchinson Ross Publishing Company, New York, NY.
- Swetnam, T.W. and C.H. Baisan 1994. Historical fire regime patterns in the Southwestern United States since AD 1700. Fire effects in Southwestern forests: proceedings of the second La Mesa Fire symposium. USDA Forest Service Rocky Mountain Forest and Range Experiment Station, General Technical Report RM-GTR-286, Los Alamos, New Mexico, USDA Forest Service Rocky Mountain Forest and Range Experiment Station. 32 p.
- Tellman, B., R. Yarde, and M. G. Wallace. 1997. *Arizona's changing rivers: how people have affected the rivers*. University of Arizona, Tucson, AZ. 198 p.
- Touchan, R., Swetnam, T. and Grissino-Meyer, H. 1995. Effects of livestock grazing on pre-settlement fire regimes in New Mexico, USDA Forest Service General Technical Report INT-GTR-320; Intermountain Research Station; Ogden UT P

268-272.

- Trimble, S.W., and A.C. Mendel. 1995. The cow as a geomorphic agent -- a critical review. *Geomorphology* 13(1995):233-253.
- Unmack, P., G.W. Knowles, and M.R. Baltzly. 2003. Green sunfish impacts on Gila chub, a natural experiment thanks to a waterfall. *Proceedings of the Desert Fishes Council* 35:86-87.
- U.S. Census Bureau. 2006. U.S. Census Bureau. World wide web page accessed on April 24, 2006: <http://www.census.gov/>
- USDA Forest Service. 2002. Biological Assessment and Evaluation, Little Green Valley Complex. Tonto National Forest, Globe. 52 p.
- U.S. Fish and Wildlife Service. 1989. Fish and Wildlife Coordination Act Substantiating Report, Central Arizona Project, Verde and East Verde River Water Divisions, Yavapai and Gila Counties, Arizona. Department of Interior, U.S. Fish and Wildlife Service, Phoenix Ecological Services Office, Region 2. 132 p.
- U.S. Fish and Wildlife Service. 2001. Background information on the Central Arizona Project and nonnative aquatic species in the Gila River Basin (excluding the Santa Cruz subbasin). U.S. Fish and Wildlife Service, Phoenix, Arizona. 159 p.
- Voeltz, J.B. 2002. Roundtail chub (*Gila robusta*) status survey of the lower Colorado River basin. Nongame and Endangered Wildlife Program Technical Report 186. Arizona Game and Fish Department, Phoenix, Arizona. 221 p.
- Warren, M.L., and M.G. Pardew. 1998. Road crossings as barriers to small-stream fish movement. *Transactions of the American Fisheries Society* 127:637-644.
- Waters, T.F. 1995. Sediment in streams. Sources, biological effects and control. American Fisheries Society, Monograph 7. Bethesda, MD. 251 p.
- Weedman, D.,A.L. Girmendonk, and K. Young. 1996. Status Review of Gila Chub, Gila intermedia, in the United States and Mexico. Technical Report 91, Nongame and Endangered Wildlife Program, Arizona Game and Fish Department. 120 p.
- Weltz, M., and M.K. Wood. 1986. Short duration grazing in central New Mexico: effects on infiltration rates. *Journal of Range Management* 39:365-368.
- White, A.S. 1985. Presettlement regeneration patterns in a Southwestern ponderosa pine stand. *Ecology* 66(2):589-594.
- Williams, J.E., D.B. Bowman, J.E. Brooks, A.A. Echelle, R.J. Edwards, D.A. Hendrickson, and J.J. Landye. 1985. Endangered aquatic ecosystems in North

American deserts, with a list of vanishing fishes of the region. *Journal of the Arizona-Nevada Academy of Science*, 20:1-62.