



Assessing the Water Needs of Riparian and Wetland Vegetation in the Western United States (Paperback)

By David J Cooper, David M Merritt

Createspace Independent Publishing Platform, United States, 2012. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.Wetland and riparian ecosystems comprise a very small percentage of the western US land area, yet provide important economic and ecological functions. Wetlands provide important habitat for many species of animals, particularly amphibians, birds, and mammals; are local and regional centers for biodiversity; and provide biogeochemical, physical, and ecological processes that maintain water quality flood attenuation, forage production for livestock, watershed hydrologic functioning, stream and lakeside stability, and a range of other valuable ecosystem services. As the ecological importance of wetland and riparian ecosystems has become better understood, laws and regulations have been promulgated toward ecosystem conservation and management. However, many wetland and riparian ecosystems in the US have been damaged or destroyed by anthropogenic activities, including drainage for agriculture, dewatering and altered flow regimes by dams and reservoirs and groundwater pumping, stream water diversions, filling, gravel mining, and other activities. Of growing concern is the increasing human demand for water, particularly in arid and semiarid regions of the West. This demand is intensifying the pressure on rivers and their adjacent riparian areas, wetlands, and...



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