

Floodplain Analysis for the Garcia Trading Post Area, Canyon de Chelly National Monument, Chinle, Arizona (Classic Reprint) (Hardback)



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Reviews

Extensive guide! Its this sort of very good study. It is actually full of knowledge and wisdom I found out this pdf from my i and dad suggested this ebook to understand.
(Melany Bogisich)

FLOODPLAIN ANALYSIS FOR THE GARCIA TRADING POST AREA, CANYON DE CHELLY NATIONAL MONUMENT, CHINLE, ARIZONA (CLASSIC REPRINT) (HARDBACK)

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Forgotten Books, 2017. Hardback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Floodplain Analysis for the Garcia Trading Post Area, Canyon De Chelly National Monument, Chinle, Arizona This report presents the results of a study that quantified flood flows and associated hydraulic characteristics for the 100 and 500-year and worst case floodplains for Chinle Wash at the Garcia Trading Post near Canyon de Chelly National Monument (cach). Additionally, the effectiveness and possible impacts of a levee, one alternative to protect the site from flooding, were analyzed. The study was conducted by the Water Resources Division to provide Southwest Region planners with information necessary for development planning and to permit compliance with the National Park Service s Floodplain Guidelines. The study consisted of estimation of flood magnitudes, survey of channel and floodplain geometry, determination of hydraulic roughness, and computer simulation of flood flows through the area. The 100 and 500-year flood peaks were estimated using regional regression equations developed by the us. Geological Survey. The worst case flood peak was extracted from a previous study by the us. Army Corps of Engineers (coe). The coe backwater computer model, hec-2, was then used to predict water-surface elevations and expected depths and velocities for the floods of interest. Water surface elevations were superimposed on a topographic map and depicted on channel profiles to show the extent of inundation in the study area and the flood depths relative to the floor elevations of key structures at the site. The results of the study reveal that all structures on the Garcia Trading Post site are within the 100 (base floodplain) and 500 - (critical floodplain) year floodplains. The main floors of buildings 5, 11, and 12, as referenced from a Southwest Region planning map, and the lower floor of...



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