Storm Drainage Design Project for the River Thaw



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Reviews

Very helpful to all of class of folks. This is certainly for all who statte there had not been a worthy of studying. Once you begin to read the book, it is extremely difficult to leave it before concluding. (Jayda Lehner Jr.)

STORM DRAINAGE DESIGN PROJECT FOR THE RIVER THAW



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GRIN Verlag Gmbh Jan 2015, 2015. Taschenbuch. Book Condition: Neu. 210x148x1 mm. This item is printed on demand - Print on Demand Neuware - Seminar paper from the year 2015 in the subject Geography / Earth Science - Physical Georgraphy, Geomorphology, Environmental Studies, grade: 3, , language: English, abstract: Hydrology has been defined as the study of the occurrence, circulation and distribution of water over the world's surface. It covers a vast area of endeavour and is not the exclusive preserve of civil engineers. Engineering hydrology is concerned with the quantitative relationship between rainfall and runoff and, in particular, with the magnitude and time variations of runoff. This is because all water resource schemes require such estimates to be made before design of the relevant structures may proceed (Chow et al., 1988). Examples include reservoir design, Rood alleviation schemes and land drainage. Each of these examples involves different aspects of engineering hydrology, and all involve subsequent hydraulic analysis before safe and economical structures can be constructed (Viessman et al., 1989). The most common use of engineering hydrology is the prediction of design events. This may be considered analogous to the estimation of design loads on structures. Design events do not mimic nature, but are merely a convenient way of designing safe and economical structures for water resources schemes. Civil engineers are principally concerned with the extremes of nature, design events may be either floods or droughts. The design of hydraulic structures will normally require the estimation of a suitable design flood and sometimes a design drought (Bedient and Huber, 1992). A large range of factors control the shape of hydrographs. These include: precipitation type and intensity, catchment shape, catchment gradient, land use and vegetation, soil type, geology etc. A hydrograph is the time-series record of water level, water flow or...



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