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# Watersheds: Processes, Assessment and Management

By Paul A. DeBarry

Wiley, 2004. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: PREFACE.ACKNOWLEDGMENTS.1 INTRODUCTION: COMPREHENSIVE WATERSHED ASSESSMENT AND MANAGEMENT.1.0 Introduction.1.1 Sustainability.1.2 Watershed Assessment and Management.1.3 Comprehensive Watershed Management Concepts.1.4 Political versus Natural Resource Management.1.5 Summary.PART A: WATERSHED PROCESSES.2 PHYSIOGRAPHY.2.0 Introduction.2.1 Physiography and Physiographic Provinces.2.2 Geology.2.3 Soils.2.4 Topography.2.5 Summary.3 CLIMATE, PRECIPITATION, HYDROLOGIC CYCLE.3.0 Introduction.3.1 Climate Classification.3.2 Precipitation.3.3 Hydrologic Cycle, Water Balance, and Water Budget.3.4 Anthropogenic (Man-made) Changes to the Water Balance .3.5 Low Flow.3.6 Summary.4 HYDROGEOLOGY.4.0 Introduction.4.1 Groundwater.4.2 Flow through Porous Media.4.3 Fluid Movement in Unsaturated Media.4.4 Fluid Movement in Saturated Media.4.5 Flow Through Secondary Openings in Dense Materials.4.6 Nitrogen Pollution.4.7 Summary.5 HYDROGEOMORPHOLOGY (WATERSHED AND STREAM MORPHOLOGY).5.0 Introduction.5.1 Hydrogeomorphology.5.2 Watershed Classifications.5.3 Stream Classifications.5.4 Watershed Hydrology.5.5 Summary.6 LAKES, RESERVOIRS, STREAMS, AND WETLANDS.6.0 Introduction.6.1 Lentic Water (Ponds, Lakes, Reservoirs).6.2 The Great Dam Debate.6.3 Lotic Water (Streams and Rivers).6.4 Physical Properties of Receiving Waters.6.5 Wetlands.6.6 Summary.7 ECOLOGY/HABITAT.7.0 Introduction.7.1 Ecosystems.7.2

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