

## **Conceptual Watershed-Scale Process Domains for Three Basic Flood Plain Morphologies in Southern California.**

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**Abstract.** With the overall goal of better understanding changes in flood plain morphology due to urbanization, three basic watershed-scale process domains have been identified and defined in terms of the downstream progression of flood plain types and configurations, hillside runoff and sediment yield processes, in-stream sediment balances, and the downstream trends of key hydraulic parameters. A key objective for defining the process domains is to identify the key inter-watershed processes that strongly influence transitions in flood plain morphologies, including the mechanisms associated with the initiation, maintenance, and termination of the braided flood plain morphology. The watershed-scale process domains provides a tool for evaluating the potential impact of urbanization on the key inter-watershed processes that influence flood plain morphologies.

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