



**US Army Corps
of Engineers®**

Engineer Research and
Development Center

Sectional Model Flume Facilities

Description ERDC's [Coastal and Hydraulics Laboratory](#), has three sectional model flumes that are designed to permit expedient changes to facilitate concurrent model studies.

Specifications The Coastal and Hydraulics Laboratory has available three such facilities. Each is 4.5 ft wide, 8 ft deep and 70 ft long. Discharge capacities range from 30 to 45 cfs.

Benefits These flumes are design to allow interchanging of structures to facilitate overlapping studies and the ability to easily revisit older model studies if prototype construction generates additional investigation needs.

Application These flumes have been used to study design and construction problems associated with the Ice Harbor Lock and Dam, the Bluestone Dam, the Chief Joseph Lock and Dam, the Dalles Lock and Dam, etc.

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2-dimensional facility located in building 3051