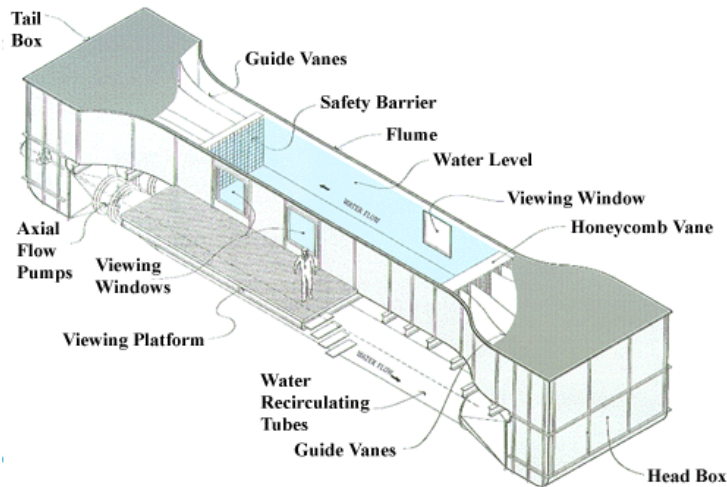


GY 402 Sedimentary Petrology (W)

Flume Activity



A large flume at the University of Otago in New Zealand

Source: <http://physed.otago.ac.nz/about/virtual.html>.

Introduction: Flumes are used for a lot of different purposes, including studying how sediment bedload migrates along channel floors. The flume that we have in LSCB 337 was built as a UCUR project by former student Mike Murrill. This is the second year that it has been incorporated into GY 402 as a learning tool. Last year it leaked like a sieve. Pray that my resealing job worked.

Today's activity: You'll like this. Get into your groups. With Doug's help, fill the flume up with water, add sand and watch what happens. Vary the water flow and sand input. Play with the orientation of the receiving tray. At the end of the activity, work with your assigned group members and in 1 page or less, summarize what you observed. Then, in another page or less, give me an idea for a more structured exercise that GY 402 students might do next year. Your response can be handwritten. Make sure that all of the members of your team are indicated on the pages that you turn in.

Due Date: Today