- Flume experiments designed to examine
  - mud bed response
  - wave damping
  - erosion

Roughened beach to minimize wave reflection

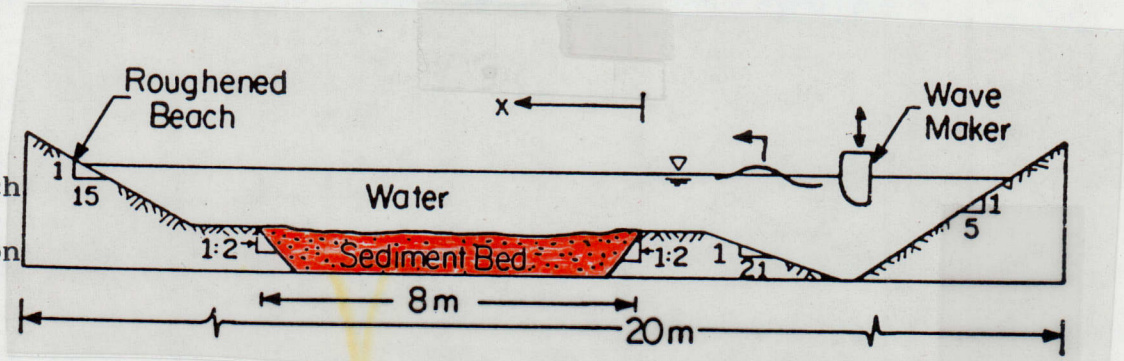
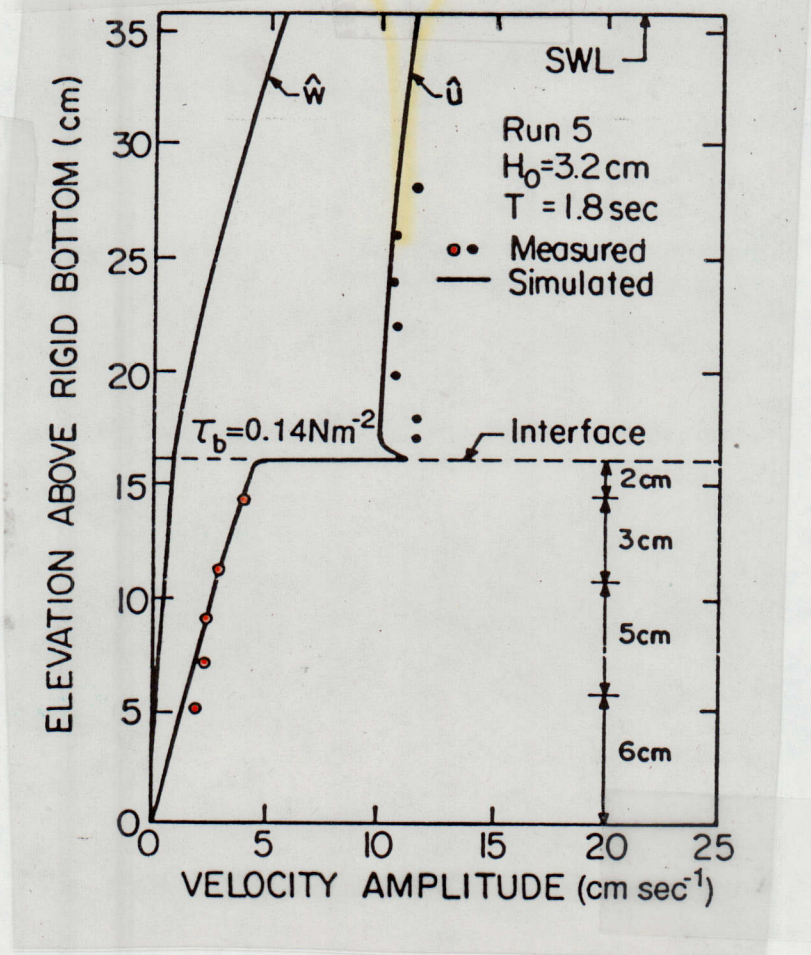


Fig. 10. Experimental wave flume. Source: Maa (1986)

Velocity overshoot just above the interface is characteristics of the influence of viscous boundary layer within the mud.



A representative shear strain (inverse tangent of one-half ampl. of mud oscillation at interface divided by mud thickness) ≈ 5° which is small. Tubman and Suhayda (1976) found small strains in field measurements.

H_o is wave amplitude upstream of mud bed. T is wave period.

Fig. 11. Measured and simulated velocity amplitudes. Source: Maa (1986)