

EFA Testing of Sample1 (pushed)

Upstream Flood Plain
Silty Clay

Test data: 04-16-2004

Observation during the testing:

1. In first step, velocity was increased gradually from 0.5 to 2.0 until the movement of the fine particles was observed.
2. Then velocity was set to 1.6m/s. Erosion rate was very low.
3. Then the velocity was increased evenly until the maximum velocity was reached.

Table 1 Shear Stress, Velocity, and Erosion Rate in EFA testing of Sample1 (pushed)

Velocity (m/sec)	1.31	1.58	1.98	2.14	2.30	2.46	2.61	2.77	2.93
Shear Stress (Pa)	4.04	5.62	8.35	9.54	10.80	12.12	13.51	14.97	16.48
Erosion Rate (mm/hr)	0.0	1.97	9.35	32.34	67.12	61.02	188.48	193.85	303.90







