

CE3105 Mechanics of Fluids Laboratory
Department of Civil Engineering
Texas Tech University

Experiment: Impact of a Jet- Data Sheet

Date of Experiment: ,Name:.....

Experimental Data:

Temperature of water, $T= 20$ °celsius

Water density, $\rho =$ (lb/ft³)

Gravity, $g= 32.2$ (ft/s²)

Flat Plate Vane			
Trial	Distance, y (mm)	Volume, V (L)	Time, t (s)
1	112	10	16.62
2	101	10	17.51
3	79	10	20.38
4	50	10	27.01
5	21	10	56.97

Hemispherical Cup Vane			
Trial	Distance, y (mm)	Volume, V (L)	Time, t (s)
1	205	10	17.33
2	183	10	18.12
3	141	10	20.47
4	96	10	26.01
5	56	10	32.74

Instructor's Signature