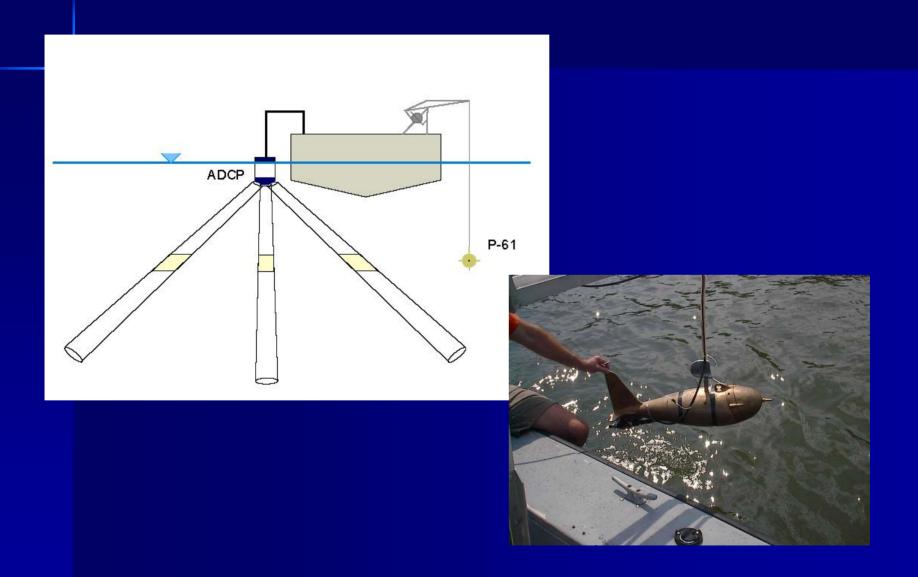
Acoustic Backscatter as a Surrogate for Suspended Sediment Concentration



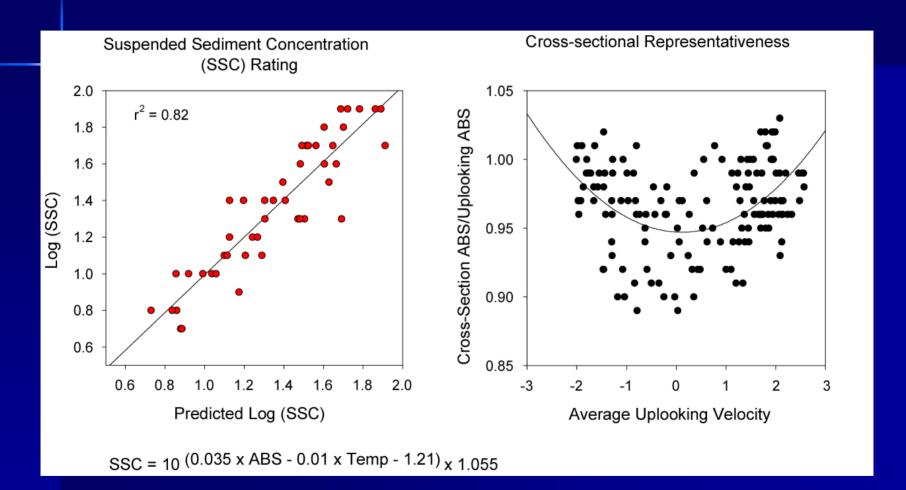
- Measure Acoustic backscatter (ABS) and velocity with uplooking acoustic Doppler current profiler (ADCP)
- Relate ABS to SSC
- Develop index-velocity rating

SS Load = Discharge * SS Concentration

Suspended Sediment Data Collection



Suspended Sediment Rating



Discharge Rating and Verification Measurements

