

EXPLORING THE TUOLUMNE RIVER DATA SHEET

STATION #2: TURBIDITY AND SEDIMENTS

DATE _____ TIME _____

WATER TURBIDITY: (JACKSON TURBIDITY UNITS)

UNDISTURBED RIVER WATER: (CIRCLE JTU VALUE)

0 JTU 20 JTU 40 JTU 60 JTU 80 JTU 100 JTU

DISTURBED RIVER WATER : (CIRCLE JTU VALUE)

0 JTU 20 JTU 40 JTU 60 JTU 80 JTU 100 JTU

1. Why do scientists care how turbid (cloudy) the water is?

SEDIMENT SORTING

WHICH SEDIMENT SETTLES AT THE BOTTOM?

(CIRCLE): CLAY GRAVEL SAND SILT

WHICH SEDIMENT SETTLES AT THE TOP?

(CIRCLE): CLAY GRAVEL SAND SILT

2. When is the most sediment likely to be transported by the river? The least?

3. When we build a dam on the river, what happens to the sediments transported by the river?