


**Stream Discharge and Carrying Power Worksheet**

**Objective:** You will be able to graph the data in an informative way, determine the carrying power of the river for different particles, and determine a conclusion from the data.

DATE	DISCHARGE (cubic feet/second)	VELOCITY (centimeter/second)
9/1999	20	35
10/1999	14	28
11/1999	8	10
12/1999	6	8
1/2000	7	8
2/2000	11	11
3/2000	88	105
4/2000	215	415
5/2000	190	375
6/2000	75	93

- On graph paper, graph the data shown on the table by following the steps below.
  - Mark with a dot the discharge for each day given in the table. Surround each dot with a small circle ( ● ).
  - Mark with an ( X ) the velocity data for each month given in the table. Surround each X with a small circle.
  - Connect all the dots and X's with a solid line. **Example:** 
- Determine ALL of the sediment sizes that could be carried by the river on the following dates:
  - December, 1999: \_\_\_\_\_
  - February, 2000: \_\_\_\_\_
  - May, 2000: \_\_\_\_\_
- On what date would the river be MOST likely to flood its banks? \_\_\_\_\_
- In which month can the river carry the LEAST amount of sediment? \_\_\_\_\_
- Using a complete sentence*, state a conclusion from the graph of stream discharge data.