**FLUVIAL SYSTEMS DATA**

**Site**

**Description of the site**

**Width** current \_\_\_\_\_\_\_\_\_\_\_\_\_ inches / feet bank-full \_\_\_\_\_\_\_\_\_\_\_\_\_ inches / feet

**Depth** 1st \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2nd \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 3rd \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4th \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 5th \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 6th \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7th \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 8th \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 9th \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Average Depth** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ inches / feet

**Wetted Perimeter** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ inches / feet

**Velocity**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Position | Time | | | Total | Average time  (total/3) |
| 1 | 2 | 3 |
| Near |  |  |  |  | sec |
| Midstream |  |  |  |  | sec |
| Far |  |  |  |  | sec |
| **Average Velocity** (add the 3 average times above and divide by 3) | | | | | sec |

**Bed Load Size**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Distance from near bank | Pebble Size | | | | | Total | Average |
| 1 | 2 | 3 | 4 | 5 |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |

**Cross-sectional Area** (Current Width x Average Depth given in in2 or ft2)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ inches2 / feet2

**Discharge** (Cross-sectional Area x Average Velocity given in cubic inches per second)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ft3 / sec

**Efficiency** (Cross-sectional Area over Wetted Perimeter, expressed as a ratio)

\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_