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| **Reach Layout** | **SMALL STREAMS** | **LARGE STREAMS** |
| (average wetted width less than or equal to 4.0 m)Total Reach Length = 160 m | (average wetted width greater than 4.0 m)Total Reach Length = Avg Wetted Width x 40 m |
| Total Reach Length | Example: Average wetted width = 3 m Total Reach Length = 160 m | Example: Average wetted width = 6 m Total Reach Length = 240 m |
| Transect (Flow, Cross Section, Canopy Cover) | **5 Lettered Transects spaced 40 meters apart** | **5 Lettered Transects at 10X average wetted width apart** |
| Example: | Example: |
|  Average wetted width = 3 m |  Average wetted width = 6 m |
|  Distance between transects = 40 m |  Distance between transects = 60 m |
|  Transect A (1st transect) = at 0 meters  |  Transect A (1st transect) = at 0 meters  |
|  Transect E (5th transect) = at 160 meters |  Transect E (5th transect) = at 240 meters |
| Intermediate Transect (Pebble Count) | **21 Contiguous Transects spaced 8 meters apart** **(i.e., entire reach layout)** | **21 Contiguous Transects at 2X average wetted width (i.e., entire reach layout)** |
| Example:  | Example:  |
| Average wetted width = 3 m |  Average wetted width = 6 m |
| Distance between intermediate transects = 8 m |  Distance between intermediate transects = 12 m |
| Thalweg Profile Stations | **Measure thalweg depth every 1.0 meter (160 total measurements)** | **Measure thalweg depth at intervals equal to total reach length divided by 160 (160 total measurements)** |
| Example: | Example: |
| Average wetted width = 3 m | Average wetted width = 6 m |
| Interval Length (distance between thalweg depth profile measurements) = 1 m | Interval Length (distance between thalweg depth profile measurements) = 1.5 m |
|  Total measurements = 160 | Total measurements = 160 |











 





