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| **Reach Layout** | **SMALL STREAMS** | **LARGE STREAMS** |
| (average wetted width less than or equal to 4.0 m) | (average wetted width greater than 4.0 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 = 3m |  Average wetted width = 6m |
|  Distance between transects = 40m |  Distance between transects = 60m |
|  Total Reach Length = 160m |  Total Reach Length = 240m |
|  Transect A (1st transect) = 0 meters  |  Transect A (1st transect) = 0 meters  |
|  Transect E (5th transect) = 160 meters |  Transect E (5th transect) = 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 |  Average wetted width = 6 |
| Distance between intermediate transects = 8 |  Distance between intermediate transects = 12 |
|  Total Reach Length = 160 |  Total Reach Length = 240 |
| 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 |  Average wetted width = 6 |
|  Distance between profile stations = 1 |  Distance between profile stations = 1.5 |
|  Total Reach Length = 160 |  Total Reach Length = 240 |
|  Total measurements = 160 |  Total measurements = 160 |













 





