

TREATMENT RECOMMENDATIONS BASED ON STREAM CLASSIFICATION FOR LOW GRADIENT STREAMS IN VALLEY FLOOR LANDSCAPES

CEM Stages I and VI (stable)

1. maintain existing watershed runoff volumes and patterns
2. maintain existing watershed sediment loads
3. maintain or improve existing riparian corridor vegetation

CEM Stage III (downcutting)

1. modify watershed runoff and sediment loads
2. raise channel bottom to reconnect stream to floodplain, or
3. establish grade control structurally
4. improve existing riparian corridor vegetation
5. do not implement soil bioengineering alone

CEM Stage IV (widening following downcutting)

1. may need to modify watershed runoff and sediment loads
2. create floodplain (excavate)
3. shape banks to reduce slope failure hazard
4. install durable toe protection
5. improve existing riparian corridor vegetation
6. do not implement soil bioengineering alone

CEM Stage IV (widening due to degraded riparian corridor)

1. maintain existing watershed runoff and sediment loads
2. reestablish or improve riparian corridor vegetation
3. consider modifying channel width
4. shape banks to reduce slope failure hazard
5. install durable toe protection
6. implement soil bioengineering

CEM Stage V (stabilizing)

1. maintain existing watershed runoff and sediment loads
2. consider creating more floodplain (excavate)
3. improve existing riparian corridor vegetation
4. shape banks to reduce slope failure hazard
5. install durable toe protection
6. implement soil bioengineering