

RIVERBANK ESTABLISHMENT AND MAINTENANCE

1. TURF TO RIVERBANK: IMPLEMENTATION AND MAINTENANCE REGIMES

(See page 42 for illustration)

- If removing unwanted vegetation from riverbank:
 - > Cut down material.
 - > Cover with 12" loam.
 - > Plant grass seed mix specified for turf (above).
 - > For next three to five years, cut down any unwanted vegetation that grows in bank zone. After three- to five-year period, edge will be established. Some species will be more difficult to remove and may take longer than five years, while other species can be removed in less than three.
- Place 4" x 8" x 18" (height x length x depth) concrete block at turf edge to prevent migration of fine grain material down-slope. Set block 3" below surface and place sod strip to establish turf on top of concrete block.
- Place new or re-used river edge stone, selected for flat top, next to concrete block. Align top surface flush with turf to permit mowing.
- Remove stones at riverbank to establish a stable foundation underneath: filter fabric on subsoil, covered with a bed of coarse grain stone/gravel, 12" to 18" deep.
- Re-set stones at riverbank on top of foundation, with a maximum 1:3 slope

2. LOW TO MEDIUM-HEIGHT HERBACEOUS AND WOODY UNDERSTORY: IMPLEMENTATION AND MAINTENANCE REGIMES

(See page 43 for illustration.)

- If removing unwanted vegetation from riverbank:
 - > Cut down material.
 - > Cover with 12" loam.
 - > Plant erosion-control mix.
 - > Plant new herbaceous/woody materials (one-quart size.)
 - > Cover with jute mesh or other biodegradable erosion-control fabric to stabilize; make sure fabric is well pegged in place.
 - > For next three to five years, cut down any unwanted vegetation that grows in bank zone. After three- to five-year period, edge will be established. Some species will be more difficult to remove and may take longer than five years, while other species can be removed in less than three.
 - > Weed as needed.
- Support desirable material that is retained by fertilizing and minimal pruning as needed, including removal of buds and fruit from flowering plants to direct energy into vegetative part of plant.
- Choose new plant materials of diverse riverside species to maintain a predominant maximum height of three feet, which permits water views. Intersperse periodic placement of 4-foot-high materials and species that overhang bank to provide shade for fish.
- Existing stones at riverbank to remain and be supplemented where needed.

Riverbank Establishment and Maintenance

**3. HERBACEOUS EDGE WITH OVERSTORY:
IMPLEMENTATION AND MAINTENANCE REGIMES**

(See page 44 for illustration.)

- If removing unwanted vegetation from riverbank:
 - > Cut down material.
 - > Cover with 12" loam.
 - > Plant erosion-control mix.
 - > Plant new herbaceous/woody materials (one-quart size).
 - > Cover with jute mesh or other biodegradable erosion-control fabric to stabilize; make sure fabric is well pegged in place.
 - > For next three to five years, cut down any unwanted vegetation that grows in bank zone. After three- to five-year period, edge will be established. Some species will be more difficult to remove and may take longer than five years, while other species can be removed in less than three.
 - > Weed as needed.
- Support desirable material that is retained by fertilizing and minimal pruning as needed, including removal of buds and fruit from flowering plants to direct energy into vegetative part of plant.
- Selectively thin trees where necessary to increase water views
- Choose new plant materials to provide diverse planting of riverside species of varied heights.
- Retain existing stones at riverbank and supplement them where needed.

**4. RIPARIAN WOODED BANKS: IMPLEMENTATION
AND MAINTENANCE REGIMES**

(See page 45 for illustration.)

- Selectively clear/thin for views. Cut down unwanted vegetation for three years to assure its removal.
- Choose new plant materials to supplement existing species, with diverse planting of riverside species of varied heights.
- Retain existing stones at riverbank and supplement them where needed. Stabilize steep banks with additional stone, and plant with jute mesh where subject to erosion.

**5. GRAVEL SHORE AT RIVER'S EDGE:
IMPLEMENTATION AND MAINTENANCE REGIMES**

- This riverbank treatment to be formalized in selected places where the condition exists today.
- Place stone boulder edge at turf edge to form boundary between turf and shore. Choose stone with flat top to permit mowing.
- Supplement existing 3" to 6" stones on shore to establish 6" depth of material.