

NATURAL RESOURCES CONSERVATION SERVICE  
MONTANA CONSERVATION PRACTICE JOB SHEET

**CHANNEL BANK VEGETATION (ACRE)**

**CODE 322**

Landowner \_\_\_\_\_ Field/Management Unit \_\_\_\_\_ Date \_\_\_\_\_

Legal Description \_\_\_\_\_ Contract Item Number \_\_\_\_\_ Area (Acres) \_\_\_\_\_ Job Class \_\_\_\_\_

**LOCATION AND LAYOUT**

Water body/course type and name: \_\_\_\_\_

Soil map unit(s): \_\_\_\_\_ Soil Texture:  SANDY  LOAMY  CLAYEY

Soil Depth: \_\_\_\_\_ Precipitation Zone: \_\_\_\_\_ Elevation: \_\_\_\_\_

Depth to Water Table: \_\_\_\_\_ Minimum Depth \_\_\_\_\_ Maximum Depth \_\_\_\_\_ Dates \_\_\_\_\_

Water Salinity Problem:  Yes  No Slope: 0-2:1 \_\_\_\_\_ > 2:1 \_\_\_\_\_

(IF > 2:1 EROSION CONTROL MEASURES ARE REQUIRED  
E.G., JUTE, EROSION CONTROL BLANKET, ETC.)

**PURPOSE (CHECK ALL THAT APPLY)**

- TOE Stability  Bank Stability  Intercept Sediment, Nutrients, Pesticides, other contaminants
- Lower Water Temperature  Wildlife Habitat  Other (specify): \_\_\_\_\_

**OVERBANK ZONE: LENGTH OF STABILIZATION \_\_\_\_\_ WIDTH OF STABILIZATION \_\_\_\_\_**

**A. STABILIZING WITH HERBACEOUS VEGETATION:**

1. Transplant Plugs: (Sprigging)
  - a. Species: \_\_\_\_\_.
  - b. Planting date will be between \_\_\_\_\_ and \_\_\_\_\_.
  - c. Plug should be 3 to 12 inches in diameter and 5 to 6 inches deep.
  - d. Keep the plugs moist and cool. Styrofoam coolers filled with enough water to cover the roots work well on wetland species. Store for > one day.
  - e. Plugs can be planted whole or subdivided into 3 to 4 individual plugs.
  - f. Plant plugs at \_\_\_\_\_ feet on center for uniform ground cover within \_\_\_\_\_ year(s).
  - g. Erosion Control Fabrics (e.g., straw, coconut, jute, excelsior) should be used in the OVERBANK Zone if the slope is greater than 2:1.
2. Sodding:
  - a. Species: \_\_\_\_\_.
  - b. Sodding date will be between \_\_\_\_\_ and \_\_\_\_\_.
  - c. Site Preparation: Bank and floodplain should be a slope of 2:1 or flatter. Topsoil should be salvaged.
  - d. Soil Preparation: Spread \_\_\_\_\_ inches of top soil across cut surfaces. Prepare a firm clod-free seedbed \_\_\_\_\_ inches deep.

**OVERBANK ZONE (CONTINUED):**

- e. Lay sod strips in bricklaying fashion, roll to firm in place and fill any spaces between strips and topsoil. Secure sod with wooden stakes. If needed, scarify or rip to retain topsoil/sub-soil interface and eliminate compaction from heavy equipment.
- f. Irrigate (optional) with \_\_\_\_\_ inches of water every \_\_\_\_\_ days beginning when sod is laid and continuing for the first growing season if possible.

3. Seeding:

- a. See FOTG, Section IV, Pasture and Hay Planting (Code 512).

**B. STABILIZING WITH WOODY PLANTS:**

1. Planting Rooted Stems: (Plant dormant stock)

- a. Species: \_\_\_\_\_.
- b. Planting date will be between \_\_\_\_\_ and \_\_\_\_\_.
- c. Prune \_\_\_\_\_ percent of the leaf-bearing branches of all deciduous plants.
- d. Planting:
  - 1) Plant \_\_\_\_\_ in holes \_\_\_\_\_ inches in diameter and \_\_\_\_\_ inches deep, spaced \_\_\_\_\_ feet apart.
  - 2) Plant \_\_\_\_\_ in holes \_\_\_\_\_ inches in diameter and \_\_\_\_\_ inches deep, spaced \_\_\_\_\_ feet apart.
- e. Planting depth: Cover the root ball and stem up to the root collar.
- f. Planting procedure: Position plant in hole, backfill hole about 1/3 full; fill with water and finish filling hole with soil.
- g. Runoff catchment basins will be \_\_\_\_\_ inches deep and \_\_\_\_\_ inches in diameter.
- h. Erosion Control Fabrics (e.g., straw, coconut, jute, excelsior) should be used in the OVERBANK Zone if the slope is greater than 2:1.

2. Clump Plantings:

- a. Species: \_\_\_\_\_.
- b. Planting date will be between \_\_\_\_\_ and \_\_\_\_\_.
- c. Clumps are usually taken with a backhoe. Dig to 12 to 15 inches depth to get most of root mass.
- d. Bottom of clump should be at the Average Water Level to access moisture.
- e. Weed control barrier fabric should not be used in the OVERBANK Zone.
- f. Prune clumps 10-50%.

3. Pole Plantings: (Dormant Cuttings)

- a. Species: \_\_\_\_\_.
- b. Cutting harvest dates will be between \_\_\_\_\_ and \_\_\_\_\_.
- c. Planting date will be between \_\_\_\_\_ and \_\_\_\_\_.
- d. Use a steel probe (or similar devices) to make the holes the same diameter as the cuttings and deep enough to access the low season water table.
- e. Plant \_\_\_\_\_ cutting in \_\_\_\_\_ rows spaced \_\_\_\_\_ inches apart, with cuttings placed so that the tops are angled downstream about 45 degrees.
- f. Cuttings should be sluiced with water to establish good stem to soil contact.
- g. Erosion Control Fabrics (e.g., straw, coconut, jute, excelsior) should be used in the OVERBANK Zone if the slope is greater than 2:1.

- 4. See *The Practical Streambank Bioengineering Guide* for other methods including: post, revetments, and bundled cuttings.

5. See FOTG, Section IV, Riparian Forest Buffer (Code 391) for species selection and planting methods.

**MANAGEMENT DURING ESTABLISHMENT OF THIS PRACTICE WILL BE IN ACCORDANCE WITH THE FOLLOWING PROVISIONS:**

Weed Control: \_\_\_\_\_

Grazing: \_\_\_\_\_

Haying: \_\_\_\_\_

Other: \_\_\_\_\_

**APPROVALS:**

\_\_\_\_\_  
NRCS Conservationist

\_\_\_\_\_  
JOB APPROVAL AUTHORITY

\_\_\_\_\_  
Date

\_\_\_\_\_  
Producer

\_\_\_\_\_  
Date

**CERTIFICATION STATEMENT:**

I hereby certify that this practice has been installed in accordance with NRCS standards and specifications.

\_\_\_\_\_  
NRCS Conservationist

\_\_\_\_\_  
JOB APPROVAL AUTHORITY

\_\_\_\_\_  
Date

\_\_\_\_\_

\_\_\_\_\_  
Date