

Practice: 390 - Riparian Herbaceous Cover

Scenario: #2 - Grass, cool or warm season

Scenario Description:

Addresses inadequate herbaceous plant community function or diversity within the specific transitional zone between terrestrial and aquatic habitats in rangeland, pasture, cropland, and forest where natural seeding methods and/or management is unlikely to improve the plant community within a reasonable time period. The typical setting for this scenario is usually a narrow strip between the aquatic and terrestrial habitats subject to intermittent flooding and saturated soils where the existing plant community has been disturbed, destroyed, or the species diversity is unable to provide proper function and/or adequate habitat. An adapted mix of native warm or cool season grasses tolerant to the site conditions will be planted by broadcast and/or drill seeding methods. Where chemical or mechanical control of undesirable vegetation, including invasives, is required to reduce competition for the desired plant community the Herbaceous Weed Control (315) practice should be used. Seedbed preparation may require disking.

Before Situation:

The riparian zone is currently an undesirable or inadequate stand of perennial or annual vegetation. Natural reseeding or vegetation management is unlikely to improve the plant community within a reasonable amount of time to adequately address streambank stability, dissipate energy and trap sediment, improve and/or maintain water quality, and/or provide adequate habitat corridors, food and cover for fish, wildlife, and/or livestock resource concerns. Existing conditions often require suppression or eradication of current vegetation by conventional mechanical or chemical (Herbaceous Weed Control (315)) methods to ensure establishment success of the new planting.

After Situation:

The riparian zone is established to an adapted, native warm or cool season grass community and is managed to insure long-term survival and practice success. The quality and quantity of the riparian zone components are managed to support the species that depend on it for habitat as well as the functions it performs for stabilizing the streambank and/or shoreline, dissipating stream energy and trapping sediment, and improving and/or maintaining water quality. These functions include: stream temperature moderation through shading, recruitment of non-woody organic matter, habitat for terrestrial insects and other riparian dependent species, streambank integrity, and filtration of contaminants from surface run-off into the stream.

Scenario Feature Measure: Area of riparian zone

Scenario Unit: Acre

Scenario Typical Size: 0

Scenario Cost: \$102.40

Scenario Cost/Unit: #Div/0!

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Equipment/Installation						
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$16.58	0.5	\$8.29
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$8.65	0.5	\$4.33
Materials						
Three Species Mix, Native Forb	2333	Native forb mix. Includes material and shipping only.	Acre	\$545.96	0.1	\$54.60
Two Species Mix, Warm Season, Native Perennial Grass	2325	Native, warm season perennial grass. Includes material and shipping only.	Acre	\$87.97	0.4	\$35.19

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Scenario: #3 - Pollinator habitat

Scenario Description:

Addresses inadequate pollinator habitat function or diversity within riparian habitat in rangeland, pasture, cropland, and forest where natural seeding methods and/or management is unlikely to improve the plant community within a reasonable time period. These are areas adjacent to perennial and intermittent watercourses or water bodies where the natural plant community is dominated by herbaceous vegetation tolerant of periodic flooding or saturated soils. The typical setting for this scenario is where the existing plant community has been disturbed, destroyed, or the species diversity is unable to provide proper function and/or adequate habitat. Establish by broadcast and/or no-till or range drill seeding methods. Where chemical control of undesirable vegetation, including invasives, is required to reduce competition for the desired plant community the Herbaceous Weed Control (315) practice should be used. Seedbed preparation may require LIGHT TILLAGE (disking).

Before Situation:

Currently, the riparian zone is an undesirable or inadequate stand of perennial or annual vegetation and natural reseeding or vegetation management is unlikely to improve the plant community within a reasonable amount of time to provide adequate habitat for pollinators. Existing conditions often require suppression or eradication of current vegetation by conventional mechanical or chemical (Herbaceous Weed Control (315)) methods to ensure establishment success of the new planting. Soil quality may be reduced due to compaction and may require light tillage to prepare a proper seedbed.

After Situation:

The riparian zone is established to an adapted, herbaceous community and is managed to insure long-term survival and practice success. The riparian zone components are managed to support pollinator habitat as well as the functions it performs. These functions include: stream temperature moderation through shading, recruitment of non-woody organic matter, habitat for terrestrial insects and other riparian dependent species, streambank integrity, and filtration of contaminants from surface run-off into the stream.

Scenario Feature Measure: Area of riparian zone

Scenario Unit: Acre

Scenario Typical Size: 0

Scenario Cost: \$181.07

Scenario Cost/Unit: #Div/0!

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Equipment/Installation						
Seeding Operation, No Till/Grass Drill	960	No Till drill or grass drill for seeding. Includes equipment, power unit and labor costs.	Acre	\$16.58	0.5	\$8.29
Tillage, Light	945	Includes light disking (tandem) or field cultivator. Includes equipment, power unit and labor costs.	Acre	\$8.65	0.5	\$4.33
Materials						
Six Species Mix, Native Forb	2334	Native forb mix. Includes material and shipping only.	Acre	\$917.80	0.15	\$137.67
Two Species Mix, Warm Season, Native Perennial Grass	2325	Native, warm season perennial grass. Includes material and shipping only.	Acre	\$87.97	0.35	\$30.79