

Practice: 643 - Restoration and Management of Rare and Declining Habitats

Scenario: #1 - Wildlife Structures, Fence Markers

Scenario Description:

This scenario is for the installation of wildlife structures on all land uses where the targeted species has been identified as Rare and Declining. Structures are of low intensity and low complexity, when habitat assessment indicates Inadequate Habitat for Fish or Wildlife-habitat degradation. This scenario include fence markers The typical size range for this scenario is 1 mile of fence. This scenario would be applied on any land use where habitats are utilized by species indentified as rare & declining.

Before Situation:

A habitat assessment (using State Office approved habitat assessment method, protocol or tool) has indicated a need for wildlife structures of low intensity with low complexity to bring one or more habitat limiting factors under Inadequate Habitat for Fish or Wildlife, up to planning criteria. Habitat limiting factors include quality, quantity and continuity of forage, cover, shelter, space and water availability. Less than 1 structure per acre is needed to bring the deficient habitat limiting factor up to planning criteria. The structures can be installed within a quarter mile of a drivable road and terrain is gentle to moderate. (consider all the fence markers as one structure)

After Situation:

Installation of wildlife structures bring the identified deficient habitat limiting factors up to planning criteria. The practice is installed using general labor with minimal supervision or skilled labor without supervision with use of common hand tools and small equipment;

Scenario Feature Measure: fence retrofited for targeted species safety

Scenario Unit: Linear Foot

Scenario Typical Size: 5,280

Scenario Cost: \$522.00

Scenario Cost/Unit: \$0.10

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Equipment/Installation						
All terrain vehicles, ATV	965	Includes equipment, power unit and labor costs.	Hour	\$30.81	2	\$61.62
Labor						
General Labor	231	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$18.99	2	\$37.98
Materials						
Vinyl Undersill Strips	241	Marking material using the "undersill" strips of vinyl siding made by Georgia Pacific. Priced per foot of fence per each wire. Materials only.	Foot	\$0.04	10560	\$422.40

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Scenario: #2 - Wildlife Structures, Fence Markers includes foregone income component

Scenario Description:

This scenario is for the installation of wildlife structures on all land uses where the targeted species has been identified as Rare and Declining. Structures are of low intensity and low complexity, when habitat assessment indicates Inadequate Habitat for Fish or Wildlife-habitat degradation. This scenario include fence markers. The typical size range for this scenario is 1 mile of fence. This scenario would be applied on any land use where habitats are utilized by species indentified as rare & declining. Intensity is the number of structures to be installed per acre. Foregone income on approximately 1/4 of the acres.

Before Situation:

A habitat assessment (using State Office approved habitat assessment method, protocol or tool) has indicated a need for wildlife structures of low intensity with low complexity to bring one or more habitat limiting factors under Inadequate Habitat for Fish or Wildlife, up to planning criteria. Habitat limiting factors include quality, quantity and continuity of forage, cover, shelter, space and water availability. Less than 1 structure per acre is needed to bring the deficient habitat limiting factor up to planning criteria. The structures can be installed within a quarter mile of a drivable road and terrain is gentle to moderate. (consider all the fence markers as one structure)

After Situation:

Installation of wildlife structures bring the identified deficient habitat limiting factors up to planning criteria. The practice is installed using general labor with minimal supervision or skilled labor without supervision with use of common hand tools and small equipment;

Scenario Feature Measure: < 0.5 structures / acre

Scenario Unit: Linear Foot

Scenario Typical Size: 5,280

Scenario Cost: \$670.80

Scenario Cost/Unit: \$0.13

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Equipment/Installation						
All terrain vehicles, ATV	965	Includes equipment, power unit and labor costs.	Hour	\$30.81	2	\$61.62
Foregone Income						
FI, Grazing AUMs	2079	Grazing is the Primary Land Use	AUM	\$14.88	10	\$148.80
Labor						
General Labor	231	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$18.99	2	\$37.98
Materials						
Vinyl Undersill Strips	241	Marking material using the "undersill" strips of vinyl siding made by Georgia Pacific. Priced per foot of fence per each wire. Materials only.	Foot	\$0.04	10560	\$422.40

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Scenario: #3 - Wildlife Structures, Watering Facility Escape Ramp

Scenario Description:

This scenario is for the installation of wildlife structures on all land uses where the targeted species has been identified as Rare and Declining. Structures are of low intensity and low complexity, when habitat assessment indicates Inadequate Habitat for Fish or Wildlife-habitat degradation. This scenario includes escape ramps. The typical size range for this scenario is 4 watering facilities retrofitted to include an escape ramp (2 ramps per tank.). This scenario would be applied on any land use where habitats are utilized by species identified as rare & declining to reduce mortality by drowning in tanks.

Before Situation:

A habitat assessment (using State Office approved habitat assessment method, protocol or tool) has indicated a need for wildlife structures of low intensity with low complexity to bring one or more habitat limiting factors under Inadequate Habitat for Fish or Wildlife, up to planning criteria. Habitat limiting factors include quality, quantity and continuity of forage, cover, shelter, space and water availability. Less than 1 structure per acre is needed to bring the deficient habitat limiting factor up to planning criteria. The structures can be installed within a quarter mile of a drivable road and terrain is gentle to moderate. (consider all the fence markers as one structure)

After Situation:

Installation of wildlife structures bring the identified deficient habitat limiting factors up to planning criteria. The practice is installed using general labor with minimal supervision or skilled labor without supervision with use of common hand tools and small equipment;

Scenario Feature Measure: watering facility retrofit for targeted species safety

Scenario Unit: Each

Scenario Typical Size: 8

Scenario Cost: \$285.99

Scenario Cost/Unit: \$35.75

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Labor						
General Labor	231	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$18.99	5	\$94.95
Materials						
Wildlife Escape Ramp	242	Pool size 15' x 30', for small mammals less than one pound	Each	\$23.88	8	\$191.04

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Scenario: #9 - Wildlife Enhancement, Livestock exclusion

Scenario Description:

Livestock excluded from wildlife areas for habitat development/enhancement. Typical size is 640 acres.

Before Situation:

Wildlife habitat is grazed during the primary nesting and development of wildlife species

After Situation:

Livestock excluded for wildlife habitat enhancement for the desired wildlife species. Implementation includes exclusion of livestock to allow for adequate deferment for sufficient regrowth of the habitat resulting in the loss of income.

Scenario Feature Measure: Acres Managed and Monitored

Scenario Unit: Acre

Scenario Typical Size: 640

Scenario Cost: \$9,596.68

Scenario Cost/Unit: \$14.99

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Foregone Income						
FI, Grazing AUMs	2079	Grazing is the Primary Land Use	AUM	\$14.88	640	\$9,523.20
Labor						
Supervisor or Manager	234	Labor involving supervision or management activities. Includes crew supervisors, foremen and farm/ranch managers time required for adopting new technology, etc.	Hour	\$36.74	2	\$73.48