Practice: 644 - Wetland Wildlife Habitat Management

Scenario: #1 - Monitoring, management, Low intensity and complexity

Scenario Description:

This practice is applicable to natural and manmade wetlands as well as those previously restored,created or enhanced using conservation practices 657, 658 or 659. A habitat evaluation or appraisal method had determined one or more habitat elements are weak or missing. Based on a habitat assessment a plan of operations and management is prepared as a guiding document. Monitoring will determine if the conservation system meets or exceeds the minimum quality criteria for the targeted wildlife. In this case, water level manipulation is of low intensity (e.g. seasonal). The habitat management and monitoring requires no training, no qualitative data assessment, no water quality monitoring, and is low in complexity and intensity. Examples of prescribed monitoring include photos, livestock use documentation, regeneration/breeding success, management records log, documenting wildlife sightings, documenting location and species of invasive plants, and condition of vegetative and structural treatments.

Before Situation:

Existing degraded plant conditions and inadequate habitat for wildlife have resulted in low use of the area by target and associated wetland wildlife species.

After Situation:

At least twice annually, managment and monitoring activities are conducted. Based on results of a State-approved wildlife habitat assessment, prescribed wetland wildlife habitat management and monitoring have been implemented. Inadequate wetland wildlife habitat conditions have addressed.

Scenario Feature Measure: Acres Managed and Monitored

Scenario Unit: Acre

Scenario Typical Size: 80

Scenario Cost: $728.14 **Scenario Cost/Unit:** $9.10

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Equipment/Installation						
Water management, Flooding & dewatering	969	Includes equipment, power unit and labor costs.	Acre Foot	$105.03	2	$210.06
Truck, Pickup	939	Equipment and power unit costs. Labor not included.	Hour	$31.63	8	$253.04
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	$18.11	8	$144.88
Mobilization						
Mobilization, very small equipment	1137	Equipment that is small enough to be transported by a pick-up truck with typical weights less than 3,500 pounds. Can be multiple pieces of equipment if all hauled simultaneously.	Each	$60.08	2	$120.16

Practice: 644 - Wetland Wildlife Habitat Management

Scenario: #2 - Monitoring, management, high intensity

Scenario Description:

This practice is applicable to natural and manmade wetlands as well as those previously restored,created or enhanced using conservation practices 657, 658 or 659. Water control structures are present and allow water level manipulation. A habitat evaluation or appraisal method had determined one or more habitat elements are weak or missing. Based on a habitat assessment a plan of operations and management is prepared as a guiding document. Monitoring will determine if the conservation system meets or exceeds the minimum quality criteria for the targeted wildlife. In this case, water level manipulation is of high intensity with flooding and draining of wetlands slowely (4-6 weeks) and responsive to specific vegetation management goals and species. The habitat management and monitoring requires some training in plant identification and moist soil management and more visits to the site so that water management is responsive. Examples of prescribed monitoring include photos, livestock use documentation, regeneration/breeding success, management records log, documenting wildlife sightings, documenting location and species of invasive plants, and condition of vegetative and structural treatments.

Before Situation:

Existing degraded plant conditions and inadequate habitat for wildlife have resulted in low use of the area by target and associated wetland wildlife species.

After Situation:

Site is actively managed involving at least six annual visits to monitor and manipulate vegetation through water management. Based on results of a State-approved wildlife habitat assessment, prescribed wetland wildlife habitat management and monitoring have been implemented. Wetland wildlife habitat conditions are optimized.

Scenario Feature Measure: Acres Managed and Monitored.

Scenario Unit: Acre

Scenario Typical Size: 80

Scenario Cost: $1,385.02 **Scenario Cost/Unit:** $17.31

Cost Details (by category):

Component Name	ID	Component Description	Unit	Price ($/unit)	Quantity	Cost
Acquisition of Technical Knowledge						
Training, Workshops	294	Educational seminar or series of meetings emphasizing interaction and exchange of information among a usually small number of participants.	Each	$44.18	1	$44.18
Equipment/Installation						
Water management, Flooding & dewatering	969	Includes equipment, power unit and labor costs.	Acre Foot	$105.03	4	$420.12
Truck, Pickup	939	Equipment and power unit costs. Labor not included.	Hour	$31.63	12	$379.56
Labor						
Skilled Labor	230	Labor requiring a high level skill set: Includes carpenters, welders, electricians, conservation professionals involved with data collection, monitoring, and or record keeping, etc.	Hour	$25.07	12	$300.84
Mobilization						
Mobilization, very small equipment	1137	Equipment that is small enough to be transported by a pick-up truck with typical weights less than 3,500 pounds. Can be multiple pieces of equipment if all hauled simultaneously.	Each	$60.08	4	$240.32