

Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
Region	Mid Atlantic
State	New Jersey
Discipline Group	Range/Pasture Grazing
Practice Code/Name	338 - Prescribed Burning
Scenario ID	1
Scenario Name	Understory Burn

Scenario Description
 Prescribed burning is accomplished in 20 acre increments to limit the off-site disruption of the burn. The burn is managed to keep the fire cool enough to not cause mortality to residuate stand, but also to burn hot enough to reduce the understory accumulation of residues. The prescribed burn is applied according to a designed burn plan and the NRCS prescribed burning (338) standard. The fire hazard is reduced by reducing the fuel load available in the understory.
Associated Practice(s): Firebreak (394)

Before Practice Situation
 An over accumulation of undersirable vegetation in the understory has a substantial wildfire risk due to the fuel load available in the understory. Leaf litter and debris are present throughout the stand. Competing and/or invasive species are hindering growth of desirable species.

After Practice Situation
 A licensed entity implements a prescribed burn on 20 acres to enhance the native species stand and reduce wildfire risks. The prescribed burn controls competing and/or invasive species. Growing conditions are altered to enhance health and productivity of the more desirable plants.

Scenario Feature Measure	Acres planned
Scenario Unit	Acre
Scenario Typical Size	20

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$7.98	\$0.40
Equipment/Installation	\$457.60	\$22.88
Labor	\$1,017.06	\$50.85
Mobilization	\$368.30	\$18.42
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$1,850.94	\$92.55

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Practice and Scenario Description:

Information Type	Data
Region	Mid Atlantic
State	New Jersey
Discipline Group	Range/Pasture Grazing
Practice Code/Name	338 - Prescribed Burning
Scenario ID	2
Scenario Name	Site Preparation

Scenario Description

A prescribed burn is implemented on a 5 acre site to eliminate the existing competition and debris to prepare site for planting, seeding, or permit natural seeding. A small 5 acre opening is created to promote a forest savannah habit within a forest that maintains early successional habitat for wildlife. Multiple sites are typically created throughout a management area. Small sites require intense management to ensure desired objectives are met and to reduce risk within forest stand.

Associated Practice(s): Firebreak(394), Early Successional Habitat/Management (647), Upland Wildlife Habitat Management (645)

Before Practice Situation

A site that was recently managed to remove the overstory has remaining slash, brush and grasses that dominate the site providing inadequate cover/shelter and food for desired wildlife species.

After Practice Situation

A prescribed burn is implemented on the 5 acre site to eliminate the existing competition and debris. The grass, competing brush, and downed slash leftover from forestry activities are managed through the burn. Some bare ground is exposed. The burn alters the site to create forest openings. The burn prepares the site for seeding of early successional habitat or planting of desired vegetation. The altered site conditions promote growth of desired species to create a diverse plant community with adequate food and cover for wildlife.

Scenario Feature Measure	Acre planned
Scenario Unit	Acre
Scenario Typical Size	5

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$3.99	\$0.80
Equipment/Installation	\$228.80	\$45.76
Labor	\$508.53	\$101.71
Mobilization	\$368.30	\$73.66
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$1,109.62	\$221.92

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Practice and Scenario Description:

Information Type	Data
Region	Mid Atlantic
State	New Jersey
Discipline Group	Range/Pasture Grazing
Practice Code/Name	338 - Prescribed Burning
Scenario ID	3
Scenario Name	Herbaceous Fuel

Scenario Description	<p>A prescribed burn is applied on 50 acres according to a design burn plan and the NRCS Prescribed Burning standard and specifications to control undesirable species, improve wildlife habitat, improve plant productivity and/or quality, and maintain ecological processes. A typical 50 acre parcel with herbaceous and/or low volatile woody fuel with no high volatile fuels is burned. Burned firebreaks used to achieve total firebreak width are part of these burns, but the construction of the firebreak is not included.</p> <p>Associated Practice(s): Firebreak (394) Upland Wildlife Management Habitat Management (645)</p>
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Before Practice Situation	A parcel of land with herbaceous fuel and/ or low volatile woody fuel with no high volatile fuels has undesirable plant composition due to reduced plant vigor, competing and invasive species, or improper livestock distribution.
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After Practice Situation	The desirable plant composition is restored, plant vigor improved and invasive species reduced. Habitat component for wildlife is improved.
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Scenario Feature Measure	Acres planned
Scenario Unit	Acre
Scenario Typical Size	50

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$15.96	\$0.32
Equipment/Installation	\$457.60	\$9.15
Labor	\$1,193.06	\$23.86
Mobilization	\$411.89	\$8.24
Acquisition of Technical Knowledge	\$116.67	\$2.33
Foregone Income	\$0.00	\$0.00
Total	\$2,195.18	\$43.90

