

Practice: 384 - Woody Residue Treatment

Scenario # 1 Woody residue treatment following catastrophic events

Missouri

Scenario Description:

The use of a combination of hand (chainsaw) and heavy equipment similar to those used in logging to treat slash resulting from catastrophic events such as fire, wind, severe pest outbreak, ice storm, etc. This scenario will remove/treat the larger material the size of which is consistent with the large equipment used to a depth not to exceed 24 inches in depth or moved off site. Resource concerns include: Excessive plant pest pressure, Potential emissions of particulate matter, Wildfire hazard from excessive biomass accumulation, and Habitat degradation.

Before Practice Situation:

A large amount of slash and woody residue is created as a result of a non-silvicultural event such as a wind storm, wildfire, ice storm, pest outbreak, etc. Because the slash and residue is created by a catastrophic event that can cause tree-lodging, snags, broken tops, etc.; treatment is both difficult and dangerous. The presence of this material causes adverse effects on the forest include limiting access for management purposes, increasing the wildfire hazard, increasing the risk of potential harm to humans and livestock, and providing harboring sites for pests.

After Practice Situation:

The material resulting from the catastrophic event is reduced to a level that will minimize the resource concerns.

Scenario Feature Measure:

Acres of affected forest

Scenario Typical Size:	20	Acres	Tot Unit Cost	\$835.66
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Equip./Install.	Log skidder	40	Hour	\$123.04	\$4,921.60
Equip./Install.	Chainsaw	80	Hour	\$5.64	\$451.20
Equip./Install.	Truck, dump, 8 CY	40	Hour	\$46.18	\$1,847.20
Equip./Install.	Track Loader, 95HP	40	Hour	\$77.34	\$3,093.60
Labor	Equipment Operators, Heavy	40	Hour	\$27.22	\$1,088.80
Labor	Equipment Operators, Light	80	Hour	\$20.92	\$1,673.60
Labor	General Labor	80	Hour	\$21.56	\$1,724.80
Mobilization	Mobilization, Heavy Equipment Operator	4	Hour	\$26.97	\$107.88
Mobilization	Mobilization, General labor	4	Hour	\$21.81	\$87.24
Mobilization	Mobilization, medium equipment	4	Each	\$200.43	\$801.72
Mobilization	Mobilization, large equipment	2	Each	\$374.89	\$749.78
Mobilization	Mobilization, Light Equipment Operator	8	Hour	\$20.73	\$165.84

Total Cost: \$16,713.26

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQIP	\$626.75	EQIP-HU	\$752.10