

Practice: 658 - Wetland Creation

Scenario # 1 Excavated Wetland Creation

Scenario Description:

Missouri

A wetland is created on a flat mineral upland at a location where surface runoff may be intercepted and ponded by excavation. Resource concerns are 22 - INDEQUATE HABITAT FOR FISH AND WILDLIFE - Habitat degradation.

Before Practice Situation:

The site is in cropland on an upland, non floodplain site (interfluve).

After Practice Situation:

An excavation with an average depth of 12" has created a shallow depression in a broad swale which intercepts surface runoff. The excavated material has been spread on adjacent areas. The INADEQUATE HABITAT FOR FISH AND WILDLIFE resource concern has been addressed with the provision of seasonal open water for terrestrial, aquatic, and waterfowl species.

Scenario Feature Measure:

Acres of Wetland

Scenario Typical Size:	5	Acre	Tot Unit Cost	\$3,626.30
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Equip./Install.	Excavation, Common Earth, side cast, small	8067	Cubic yard	\$1.96	\$15,811.32
Mobilization	Mobilization, large equipment	1	Each	\$374.89	\$374.89
Forgone IncomFI, Corn Dryland		2.5	Acre	\$392.59	\$981.48
Forgone IncomFI, Soybeans Dryland		2.5	Acre	\$385.53	\$963.83

Total Cost: \$18,131.51

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQIP-MRBI	\$2,719.73	EQIP-HUMRBI	\$3,263.67

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Scenario # 2 Embankment Wetland Creation

Missouri

Scenario Description:

A wetland is created on a flat mineral upland at a location where surface runoff may be intercepted and ponded by excavation and with an embankment. Facilitating practices may include Structure for Water Control (587). Resource concerns are 22 - INDEQUATE HABITAT FOR FISH AND WILDLIFE - Habitat degradation.

Before Practice Situation:

The site is in cropland on an upland, non floodplain site (interfluve).

After Practice Situation:

An excavation/embankment with an average depth of 12" has created a shallow depression in a broad swale which intercepts surface runoff. The excavated material has been spread on adjacent areas and used to compact the embankment. The INADEQUATE HABITAT FOR FISH AND WILDLIFE resource concern has been addressed with the provision of seasonal open water for terrestrial, aquatic, and waterfowl species.

Scenario Feature Measure:

Scenario Typical Size:	5	Acre	Tot Unit Cost	\$3,786.29
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Cost Category	Component Name	Quantity	Unit	Unit Cost	Cost
Equip./Install.	Dozer, 140 HP	125	Hour	\$105.67	\$13,208.75
Labor	Equipment Operators, Heavy	125	Hour	\$27.22	\$3,402.50
Mobilization	Mobilization, large equipment	1	Each	\$374.89	\$374.89
Forgone IncomFI, Corn Dryland		2.5	Acre	\$392.59	\$981.48
Forgone IncomFI, Soybeans Dryland		2.5	Acre	\$385.53	\$963.83

Total Cost: \$18,931.44

Payment types:

PayType	Unit Payment	PayType	Unit Payment
EQIP-MRBI	\$2,839.72	EQIP-HUMRBI	\$3,407.66