

**Scenario Worksheet**

**Practice and Scenario Description:**

Information Type	Data
Region	New England
State	Connecticut
Discipline Group	Wildlife Wetland
Practice Code/Name	658 - Wetland Creation
Scenario ID	1
Scenario Name	Wetland Creation, Wildlife Pond
Scenario Description	A wetland is created on a flat mineral upland at a location where surface runoff may be intercepted and ponded by excavation. Work involved includes excavation and removing material to a nearby area. Dozer shapes wetland and disposal areas. Resource concerns are 22 - INADEQUATE HABITAT FOR FISH AND WILDLIFE - Habitat degradation.
Before Practice Situation	The site is in cropland on an upland, non floodplain site (interfluvie).
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 hauled to and 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 Unit	Acre
Scenario Typical Size	2

**Cost Summary:**

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$0.00	\$0.00
Equipment/Installation	\$13,113.79	\$6,556.90
Labor	\$3,464.80	\$1,732.40
Mobilization	\$1,026.20	\$513.10
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$17,604.79	\$8,802.40

**Cost Details:**

Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Equipment/Installation	1320	Dozer, 105 HP	Track mounted Dozer with horsepower range of 90 to 125. Equipment and power unit costs. Labor not included.	Hour	\$76.12	8	\$608.96
Equipment/Installation	1227	Excavation, common earth, side cast, large equipment	Bulk excavation and side casting of common earth with hydraulic excavator with less greater than 1 CY capacity. Includes equipment and labor.	Cubic Yard	\$1.69	3227	\$5,453.63
Equipment/Installation	1215	Truck, dump, 12 CY	Dump truck for moving bulk material. Typically capacity is 16 ton or 12 cubic yards. Includes equipment only.	Hour	\$73.45	96	\$7,051.20
Labor	232	Equipment Operators, Light	Includes: Skid Steer Loaders, Hydraulic Excavators <50 HP, Trenchers <12", Ag Equipment <150 HP, Pickup Trucks, Forklifts, Mulchers	Hour	\$23.90	8	\$191.20
Labor	233	Equipment Operators, Heavy	Includes: Cranes, Hydraulic Excavators >=50 HP, Dozers, Paving Machines, Rock Trenchers, Trenchers >=12", Dump Trucks, Ag Equipment >=150 HP, Scrapers, Water Wagons.	Hour	\$34.10	96	\$3,273.60
Mobilization	1140	Mobilization, large equipment	Equipment >150HP or typical weights greater than 30,000 pounds or loads requiring over width or over length permits.	Each	\$513.10	2	\$1,026.20
Foregone Income	1276	Foregone income, place holder	This is a place holder component for foregone income. The existence of this component indicates that the practice is eligible for foregone income payment. The component will be replaced when the actual FI components become available.	Acre	\$0.00	5	\$0.00