

**Practice:** 646 - Shallow Water Development and Management

**Scenario:** #1 - Management, Low Level

**Scenario Description:** This scenario addresses inadequate habitat for fish and wildlife on cropland. The resource concern is addressed by providing shallow water habitat for wildlife such as shorebirds, waterfowl, wading birds, mammals, fish, reptiles, amphibians, and other species that require shallow water for at least part of their life cycle. Sites are flooded up to a depth of 18" with an average depth of 9". Before flooding, fields are prepared by rolling residue if necessary. Water is provided by natural flooding and/or precipitation.

**Before Situation:** There is inadequate habitat to provide optimum resting, nesting, and feeding habitat for waterfowl, shorebirds, and other wildlife (amphibians, reptiles, mammals, invertebrates, etc.).

**After Situation:** A single or series of shallow water areas that are managed per standard and specification. Water levels are regulated to maintain temporary wildlife habitat. Timing and duration of flooding and de-watering is dependent on specific species requirements. Water is pumped into area to be flooded. Flooded sites vary from mudflats to water depths of 18" with an average depth of 9". The hydrologic conditions of ponding and saturation (frequency, depth, duration, timing) provides optimum seasonal habitat for waterfowl, shorebirds, and other wildlife (amphibians, reptiles, mammals, invertebrates, etc.). Associated practices include Structure for Water Control (587) and Dike (356) if needed. Depending on local conditions, other Conservation Practices may also be required.

**Scenario Feature Measure:** Acre of shallow water

**Scenario Unit:** Acre

**Scenario Typical Size:** 2

**Total Scenario Cost:** \$164.97

**Scenario Cost/Unit:** \$82.48

**Cost Details**

| Component Name | Id | Description | Unit | Cost | Qty | Total |
|----------------|----|-------------|------|------|-----|-------|
|----------------|----|-------------|------|------|-----|-------|

**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 | \$23.83 | 5 | \$119.17 |
|---------------|-----|--|------|---------|---|----------|

**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 | \$45.80 | 1 | \$45.80 |
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