

Practice: 649 - Structures for Wildlife

Scenario: #1 - Nesting Box, Small no pole

Scenario Description: A structure is provided to support the nesting and rearing of smaller targeted species, such as bees and birds, and is directly mounted to a tree, building or other structure. Addresses resource concern for wildlife of inadequate cover/shelter

Before Situation: The area lacks sufficient nesting habitat sites (natural cavities). A suitable location to mount the box is available. Location and conditions suggest that predator guards are needed to prevent access by racoons or snakes.

After Situation: The installation of nesting and rearing boxes support the life-cycle needs of targeted species, such as birds, bats and pollinators. These structures/features enhance habitat, cover, and improve species survivability.

Scenario Feature Measure: Number of structures

Scenario Unit: Each

Scenario Typical Size: 1

Total Scenario Cost: \$66.46

Scenario Cost/Unit: \$66.46

Cost Details

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

Labor

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|---------------|-----|--|------|---------|------|--------|
| 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 | \$22.19 | 0.25 | \$5.55 |
|---------------|-----|--|------|---------|------|--------|

Materials

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|-------------------|------|--|------|---------|---|---------|
| Habitat Box, Bird | 251 | Bluebird nesting box to increase nesting success. Each is 1-1/2" x 6" x 12-1/2" w/ 1-1/2" diameter opening. Includes materials and shipping. | Each | \$30.77 | 1 | \$30.77 |
| Predator Guard | 1461 | Predator guards (i.e. stove pipes, cone, hole guard, etc.) for habitat boxes. Materials only. Includes material and shipping only. | Each | \$30.14 | 1 | \$30.14 |

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Scenario: #2 - Nesting Box, Small, with wood pole

Scenario Description: Constructing a nest box and mounting on a pole. A structure is provided to support the nesting and rearing of targeted species, such as pollinators and birds. Trees, buildings or other structures are not available. These structures are designed to meet targeted species biology and life history needs. Addresses Resource Concern: Inadequate Cover/Shelter.

Before Situation: This area lacked sufficient nesting sites to support viable populations of targeted species. Location and conditions suggest that predator guards are needed to prevent access by racoons or snakes.

After Situation: The installation nesting and rearing boxes support the life-cycle needs of targeted species, such as blue birds and waterfowl. Location and conditions suggest that predator guards are not needed. These structures/features enhance habitat, cover, and improve species survivability.

Scenario Feature Measure: Number of structures with poles.

Scenario Unit: Number

Scenario Typical Size: 1

Total Scenario Cost: \$92.66

Scenario Cost/Unit: \$92.66

Cost Details

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

Materials

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|----------------------------------|------|--|------|---------|---|---------|
| Habitat Box, Bird | 251 | Bluebird nesting box to increase nesting success. Each is 1-1/2" x 6" x 12-1/2" w/ 1-1/2" diameter opening. Includes materials and shipping. | Each | \$30.77 | 1 | \$30.77 |
| Post, Wood, CCA treated, 6" x 8' | 12 | Wood Post, End 6" X 8', CCA Treated. Includes materials and shipping only. | Each | \$15.10 | 1 | \$15.10 |
| Predator Guard | 1461 | Predator guards (i.e. stove pipes, cone, hole guard, etc.) for habitat boxes. Materials only. Includes material and shipping only. | Each | \$30.14 | 1 | \$30.14 |

Labor

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|---------------|-----|--|------|---------|------|---------|
| 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 | \$22.19 | 0.75 | \$16.65 |
|---------------|-----|--|------|---------|------|---------|

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Scenario: #3 - Nesting Box, Large

Scenario Description: A structure is provided to support the nesting and rearing of larger targeted species such as waterfowl, bats and barn owls, and is directly mounted to a tree, building or other structure. These structures are designed to meet targeted species biology and life history needs. Addresses Resource Concern: Inadequate Cover/Shelter.

Before Situation: The area lacks sufficient overall habitat conditions to support viable populations of targeted species. A suitable location to mount the box is available. A predator guard is needed.

After Situation: The installation of nesting and rearing boxes support the life-cycle needs of targeted species, such as birds, bats and pollinators. Because of suitable location and conditions the nesting box can be directly mounted such as on a tree or building, thereby eliminating the need for mounting poles and predator guards. Species such as cavity dwelling birds and pollinators use this approach, but this treatment is not limited to those species. These structures/features enhance habitat, cover, and improve species survivability.

Scenario Feature Measure: Number of structures.

Scenario Unit: Each

Scenario Typical Size: 1

Total Scenario Cost: \$131.55

Scenario Cost/Unit: \$131.55

Cost Details

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

Labor

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|---------------|-----|--|------|---------|-----|---------|
| 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 | \$22.19 | 0.5 | \$11.10 |
|---------------|-----|--|------|---------|-----|---------|

Equipment Installation

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|---------------------------|-----|---|------|---------|-----|---------|
| All terrain vehicles, ATV | 965 | Includes equipment, power unit and labor costs. | Hour | \$36.20 | 0.5 | \$18.10 |
|---------------------------|-----|---|------|---------|-----|---------|

Materials

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|------------------------|------|--|------|---------|---|---------|
| Habitat Box, waterfowl | 1449 | Wood Duck Box, typically 24" x 11" x 12" with 4" wide oval entrance, single. Includes material and shipping only. | Each | \$72.22 | 1 | \$72.22 |
| Predator Guard | 1461 | Predator guards (i.e. stove pipes, cone, hole guard, etc.) for habitat boxes. Materials only. Includes material and shipping only. | Each | \$30.14 | 1 | \$30.14 |

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Scenario: #4 - Nesting Box or Rapture Perch, Large, with Pole

Scenario Description: Constructing a nest box on a steel pole with a predator guard where needed. A structure is provided to support the nesting and rearing of larger targeted species such as woodducks, bats, barn owls. Addresses Resource Concern: Inadequate Cover/Shelter.

Before Situation: The area lacks sufficient overall nesting sites to support viable populations of targeted species. Predator guards provide needed protection of target species during nesting and rearing.

After Situation: The installation of pole mounted nesting and rearing boxes support the life-cycle needs of targeted species, such as bats and waterfowl.

Scenario Feature Measure: Number of structures

Scenario Unit: Each

Scenario Typical Size: 1

Total Scenario Cost: \$215.85

Scenario Cost/Unit: \$215.85

Cost Details

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

Labor

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|---------------|-----|--|------|---------|---|---------|
| 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 | \$22.19 | 1 | \$22.19 |
|---------------|-----|--|------|---------|---|---------|

Materials

| | | | | | | |
|--|------|--|------|---------|----|---------|
| Habitat Box, waterfowl | 1449 | Wood Duck Box, typically 24" x 11" x 12" with 4" wide oval entrance, single. Includes material and shipping only. | Each | \$72.22 | 1 | \$72.22 |
| Pipe, steel, galvanized, threaded, 1 1/4", schedule 40 | 256 | Spec. A-53, includes coupling and clevis hanger assembly sized for covering, 10' OC | Foot | \$7.32 | 10 | \$73.20 |
| Predator Guard | 1461 | Predator guards (i.e. stove pipes, cone, hole guard, etc.) for habitat boxes. Materials only. Includes material and shipping only. | Each | \$30.14 | 1 | \$30.14 |

Equipment Installation

| | | | | | | |
|---------------------------|-----|---|------|---------|-----|---------|
| All terrain vehicles, ATV | 965 | Includes equipment, power unit and labor costs. | Hour | \$36.20 | 0.5 | \$18.10 |
|---------------------------|-----|---|------|---------|-----|---------|