



2024 Edition

# SCOUTMASTER BUCKY

## Fish and Wildlife Management Merit Badge

SCOUTS PARTICIPATING IN A SCOUTMASTER BUCKY MERIT BADGE OPPORTUNITY (ONLINE OR IN PERSON), PLEASE CONSIDER ALSO USING THE FISH AND WILDLIFE MANAGEMENT MERIT BADGE CLASS PREPARATION PAGE FOR CLARIFICATIONS, INSIGHTS, AND EXPECTATIONS.

<https://scoutmasterbucky.com/merit-badges/fish-and-wildlife-management/fish-and-wildlife-management-cpp.pdf>

### FISH AND WILDLIFE MANAGEMENT MERIT BADGE WORKBOOK

**REQUIREMENT 1:** Describe the meaning and purposes of fish and wildlife conservation and management.

Notes:

**REQUIREMENT 2:** List and discuss at least three major problems that continue to threaten your state's fish and wildlife resources.

PROBLEM #1:

Notes:



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PROBLEM #2:

Notes:

PROBLEM #3:

Notes:



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**REQUIREMENT 3:** Describe some ways in which everyone can help with fish and wildlife conservation.

Notes:

**REQUIREMENT 4:** List and describe five major fish and wildlife management practices used by managers in your state.

FISH AND WILDLIFE MANAGEMENT PRACTICE #1:

Notes:



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FISH AND WILDLIFE MANAGEMENT PRACTICE #2:

**Notes:**

FISH AND WILDLIFE MANAGEMENT PRACTICE #3:

**Notes:**



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FISH AND WILDLIFE MANAGEMENT PRACTICE #4:

Notes:

FISH AND WILDLIFE MANAGEMENT PRACTICE #5:

Notes:



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**DO ONE OF THE FOLLOWING (5A, 5B, 5C, or 5D) FOR REQUIREMENT 5**

**REQUIREMENT 5a:** Construct, erect, and check regularly at least two artificial nest boxes (wood duck, bluebird, squirrel, etc.) and keep written records for one nesting season.

Notes:



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**REQUIREMENT 5b:** Construct, erect, and regularly check bird feeders and keep written records of the kinds of birds visiting the feeders.

Notes:



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**REQUIREMENT 5c:** Develop and implement a fishery improvement project or a backyard wildlife habitat improvement project. Share the results with your counselor.

Notes:





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**REQUIREMENT 5d:** Design and construct a wildlife blind near a game trail, water hole, salt lick, bird feeder, or birdbath and take good photographs or make sketches from the blind of any combination of 10 wild birds, mammals, reptiles, or amphibians.

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**DO ONE OF THE FOLLOWING (6A, 6B, or 6C) FOR REQUIREMENT 6**

**REQUIREMENT 6a:** Observe and record 25 species of wildlife. Your list may include mammals, birds, reptiles, amphibians, and fish. Write down when and where each animal was seen.

Animal	Type <small>(mammal, bird, reptile, amphibian, fish)</small>	When seen <small>Date and Time</small>	Where seen
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
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22			
23			
24			
25			



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**REQUIREMENT 6b:** List the wildlife species in your state that are classified as endangered, threatened, exotic, non-native, game species, furbearers, or migratory game birds.

Your State:

Endangered:

Threatened:

Exotic:



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**Non-Native:**

**Game Species:**

**Furbearers:**

**Migratory Game Birds:**



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**REQUIREMENT 6b:** List the wildlife species in your state that are classified as endangered, threatened, exotic, non-native, game species, furbearers, or migratory game birds. Discuss with your counselor management practices in place or being developed for at least three of these species.

SPECIES #1:

Species Name:

Notes:

SPECIES #2:

Species Name:

Notes:

SPECIES #3:

Species Name:

Notes:



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### REQUIREMENT 6c:

Start a scrapbook of North American fish and wildlife. Insert markers to divide the book into separate parts for mammals, birds, reptiles, amphibians, and fish. Collect articles on such subjects as life histories, habitat, behavior, and feeding habits on all of the five categories and place them in your notebook accordingly. Articles and pictures may be taken from newspapers or science, nature, and outdoor magazines, or from other sources including the internet (with your parent's permission). Enter at least five articles on mammals, five on birds, five on reptiles, five on amphibians, and five on fish. Put each animal on a separate sheet in alphabetical order. Include pictures whenever possible.

### Notes:



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**DO ONE OF THE FOLLOWING (7A, 7B, 7C, or 7D) FOR REQUIREMENT 7**

**REQUIREMENT 7a:** Determine the age of five species of fish from scale samples or identify various age classes of one species in a lake and report the results.

Species #1:	Age:
Species #2:	Age:
Species #3:	Age:
Species #4:	Age:
Species #5:	Age:

**OR**

**Selected Species:**

**Age Classes Identified and Approximate Percentages:**



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**REQUIREMENT 7b:** Conduct a creel census on a small lake to estimate catch per unit effort.

Name of and Location of Selected Lake:

### SAMPLE BASIC CREEL SURVEY

Fish Kept	Species	Length (inches)	Location caught	Lat	Long	Time caught	Weather
Fish 1							
Fish 2							
Fish 3							
Fish 4							
Fish 5							
Fish 6							
Fish 7							
Fish 8							
Fish 9							
Fish 10							
Fish 11							
Fish 12							
Fish 13							
Fish 14							
Fish 15							
Fish 16							





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**REQUIREMENT 7c:** Examine the stomach contents of three fish and record the findings. It is not necessary to catch any fish for this option. You may visit a cleaning station set up for fishermen or find another, similar alternative.

**Species #1:**

**Stomach Contents for Species #1:**

**Species #2:**

**Stomach Contents for Species #2:**

**Species #3:**

**Stomach Contents for Species #3:**



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**REQUIREMENT 7d:** Make a freshwater aquarium. Include at least four species of native plants and four species of animal life, such as whirligig beetles, freshwater shrimp, tadpoles, water snails, and golden shiners. After 60 days of observation, discuss with your counselor the life cycles, food chains, and management needs you have recognized. After completing requirement 7d to your counselor's satisfaction, with your counselor's assistance, check local laws to determine what you should do with the specimens you have collected.

Be sure to bring proof of your work to share with your merit badge counselor.

**This requirement must be reviewed with your merit badge counselor.**

**BE PREPARED!**

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### REQUIREMENT 8:

Using resources found at the library and in periodicals, books, and the internet (with your parent's permission), learn about three different positions held by fisheries and/or wildlife professionals. Find out the education and training requirements for each position.

Parent's Name \_\_\_\_\_

Phone \_\_\_\_\_

Parent's Signature \_\_\_\_\_

Date \_\_\_\_\_

*permission*

### Career Opportunity #1:

### Educational Requirements:

### Training Requirements:

### Notes:



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**Career Opportunity #2:**

**Educational Requirements:**

**Training Requirements:**

**Notes:**

**Career Opportunity #3:**

**Educational Requirements:**

**Training Requirements:**

**Notes:**