Fish and Wildlife Management Merit Badge Workbook

ScoutmasterBucky.com or ScoutmasterBucky@yahoo.com or 612-483-0665

Scouts participating in a Scoutmaster Bucky merit badge opportunity, whether online or in person, should consider using the Fish and Wildlife Management merit badge pamphlet for discovery and knowledge, along with the class preparation pages for clarifications, insights, and expectations. These resources are available here:

https://scoutmasterbucky.com/merit-badges/fish-and-wildlife-management/

REQUIREMENT 6c REQUIRES PARENT / GUARDIAN PERMISSION.

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.

Major Problem #1:

Major Problem #2:

Major Problem #3:

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.
EXAMPLE #1:	
Practice:	
Description:	
EXAMPLE #2:	
Practice:	
Description:	

EXAMPLE #3:
Practice:
Description:
EXAMPLE #4:
Practice:
Description:
EXAMPLE #5:
Practice:
Description:

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:

REQUIREMENT 5b:	Construct, erect, and check regularly bird feeders and keep written records daily over a two-week period of the kinds of birds visiting the feeders.

Notes:

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

Notes:

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.

Notes:

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 (mammal, bird, reptile, amphibian, fish)	When seen Date and Time	Where seen
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				

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:

Non-Native:
Game Species:
Furbearers:
Migratory Game Birds:

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 (done above). 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:	

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 or guardian'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.

Consider using the Fish and Wildlife Management Merit Badge Pamphlet for preparation insights.

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!

PARENT / GUARDIAN PERMISSION: IS REQUIRED.

Parent's / Guardian's Name _____ Phone or Email _____

Parent's / Guardian's Signature _____ Date _____ ☐ *permission*

Notes:

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:

REQUIREMENT 7b: Conduct a creel census on a small lake to estimate catch per unit effort and report the results to your counselor.

Name 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							

REQUIREMENT 7c:	Examine the stomach contents of three fish and record the findings. It is not necessary to catch any fish for this option.
FISH #1:	
Species:	
Stomach Contents:	
FISH #2:	
Species:	
Stomach Contents:	
FISH #3:	
Species:	
Stomach Contents:	

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. Before completing this requirement, check local laws on releasing these organisms back into the wild, and follow your counselor's direction in disposing of these organisms humanly and safely.

Consider using the Fish and Wildlife Management Merit Badge Pamphlet for preparation insights.

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!

Notes:

REQUIREMENT 8:	Identify three career opportunities that would use skills and knowledge by fish and wildlife professionals.
Career Opportunity #1:	
Career Opportunity #2:	
Career Opportunity #3:	

REQUIREMENT 8:	Identify three career opportunities that would use skills and knowledge by fish and wildlife professionals. Pick one and research the training, education, certification requirements, experience, and expenses associated with entering the field.
Selected Career Opportunity:	
Training Requirements:	
Education Requirements:	
Certification Requirements:	
Experience Requirements:	

Expenses Associated With:

REQUIREMENT 8:	Research the prospects for employment, starting salary, advancement opportunities and career goals associated with this career.

Prospects for Employment:

Starting Salary:

Advancement Opportunities:

Career Goals:

REQUIREMENT 8:	Discuss what you learned with your counselor and whether you might be interested in this career.

Notes: