OHIO CAREER DEVELOPMENT EVENTS
WILDLIFE MANAGEMENT RULES

Effective August 1, 2007

Purpose
To stimulate interest and to promote instruction in the areas of fish and wildlife management, as well as to provide recognition for those who have demonstrated skills and competencies as a result of natural resources instruction.

Date
Check current State CDE Schedule

Location
Ohio Exposition Center with the Dairy Expo and other Spring CDE Events

Contest Rules
1. Each school may enter one team in the state CDE.

2. Each school may enter an unlimited number of dues paid FFA members as participants, the top 4 scores will be considered the "team" and the top 3 scores will be the team score of record.

3. Under no circumstances will any contestant be allowed to touch or handle contest specimens during the CDE. Any infraction of this rule will disqualify the contestant from the contest.

4. Observers will not be permitted in the CDE area while the contest is in progress.

5. No team, team member, or team coach shall visit the contest facilities to observe the specimens one week prior to the CDE. Any infraction will disqualify the team from the CDE.

6. Tools and equipment will be furnished for the CDE. Contestants must use the tools and equipment furnished at the contest site.

7. All written materials will be furnished for the CDE. Contestants must provide clipboards and pencils. Electronic calculators will be permitted.

CDE Format:

1) General Knowledge
Fifty multiple choice questions will be selected from the areas of fish and wildlife management. This phase of the CDE will test the student's knowledge and understanding of basic wildlife management principles. A time limit of 50 minutes will be allowed for completion of this section of the CDE.

2) Identification
Seventy-five specimens from the lists located in these instructions will be displayed for the contestants to identify by common name. Contestants should be able to identify each by live specimen, skin, skull, track, actual mount, or other acceptable evidence (scat, sign, etc.). Pictures or slides may be used if an actual specimen cannot be obtained.

1. Mammals - 15 Specimens
2. Gamebirds - 15 Specimens
3. Fish - 15 Specimens
4. Food and Cover Plants - 15 Specimens
5. Equipment - 15 Specimens

3) Practicum
Contestants will complete two practicums from the following rotated list. Three practicums will be rotated every other year but only two will be selected from these three. Odd numbered practicums will take place in odd years and even numbered practicums in even years.

1. Reading Topographical Maps – Given specific locations on a topographical map, the contestant will identify type of terrain, elevation of a specific location, direction of water flow, survey marks, true or magnetic north vs. grid north, contour intervals, road classifications, and map legend interpretations.

2. Understanding Pond Management – Contestants will assess a given pond for size, fish populations, water quality, vegetations, and fish habitats and correctly answer a series of management questions on that pond. These questions could include, but would not be limited to, the following: determine the number of fish to be stocked, recommended practices to solve a particular problem, determine amounts of herbicides to be applied.

3. Aging and Sexing Wildlife – The contestant will determine the age and sex of selected specimens from the mammal and game bird lists by looking at the plumage or other acceptable practices utilized by the industry.

4. Determining Habitat Management Requirements – Contestants will survey the habitat available at a given area and select those practices best suited to manage the site for the designated species. Contestants may have to determine which management practices to use for the target species (brush piles, food plots, nesting structures, etc.), recognize wildlife food items, read maps and aerial photos, and calculate percent plant cover.

5. Controlling Nuisance Animals – Contestants will evaluate problems caused by nuisance animals and determine the best methods to control the problems in a given situation, relying on an understanding of nuisance animal laws and acceptable equipment used in the industry. Contestants may evaluate problems caused by deer, geese, raccoons, groundhogs, muskrats, turkey, etc. in both rural and urban settings.

6. Identifying Game Laws and Safety – Based on Ohio hunting and fishing regulations and the Ohio hunting and trapping education courses, contestants will answer questions pertaining to state and federal game laws and practices. Contestants will also determine safe and unsafe practices related to hunting, fishing, boating, or camping safety that may be presented through a scenario, skit, or reenactment.

Scoring Guide:
1. Individual

General Knowledge	100 points
Identification	225 points
Practicum x 2	200 points
Total Possible	525 points

2. Team 525 points x 3 individuals = 1575 Total Possible Points

References:
1. Burger, George V. *Practical Wildlife Management*. New York: Winchester Press, 1973.

2. *Wildlife Habitat Improvement*. New York: National Audubon Society, 1966.

3. Peterson, R.T. and McKenny, M. *A Field Guide to Wildflowers*. New York: Houghton Mifflin Co., 1968.

4. *Life Histories: Notes on Ohio's Fish and Wildlife Species*. Columbus: Ohio Department of Natural Resources, Division of Wildlife, 1978.

5. Stockdale, Thomas M. *Ohio Pond Management*. Columbus: Cooperative Extension Service, Ohio State University.

6. Trautman, M.B., *Key to Ohio Fishes and Associated Aquatic Life*. Columbus: Ohio State University Press, 1957.

7. Robbins, Chandler S., Brunn, Bertel, and Zim, Herbert S. *Birds of North America: A Guide to Field Identification.* Racine: Western Publishing Co., 1966.

8. Bellrose, Frank C. *Ducks, Geese, and Swans of North America*. Harrisburg: Stackpole Books, 1978.

9. Johnsgard, Paul A. *North American Game Birds of Upland and Shoreline*. Lincoln: University of Nebraska Press.

10. Hines, Bob. *Ducks at a Distance.* Washington DC: Department of the Interior, U.S. Fish and Wildlife Service, 1978.

11. Burt, William H. *Mammals of the Great Lakes Region*. Ann Arbor: University of Michigan Press, 1975.

12. Gottschang, Jack L. *A Guide to the Mammals of Ohio*. Columbus: Ohio State University Press, 1981.

13. Pennsylvania State University, College of Agriculture, Extension Service. Animal Tracks- #129 (leaflet). University Park, PA.

14. Ohio Division of Wildlife, Publications Center, Ohio Department of Natural Resources.
-Trapping in Ohio (Publication #115)
-Trapping Tips (Publication #70)
-Wildlife Identification Quiz (leaflet) (Publication #128)
-Wildlife Conservation in Ohio: The Role of Hunting and Trapping (Publication #273)
-Rabbit, Quail, and Grouse Management Series
-Ohio Hunting and Trapping Regulations (Publication #85)
-A Key to the Identification of Wildlife

15. Fish and Wildlife and Related Review. Hobar Publications Software.

16. Fridline, Clarence R. *An Aid to the Identification of 70 Crop and Weed Plants*. Columbus: Ag Ed CMS, 1971.

17. Ohio Division of Wildlife: Hunter Safety Manual and Trapper Education Manual.

18. Ohio Division of Watercraft: Boater Education Manual.

19. Missouri Habitat Appraisal Guide: http://mdc.mo.gov/landown/wild/guide/

20. Indiana Wildlife Habitat Evaluation Program: www.whep.org

Consult the Ohio Ag Ed Curriculum Materials Catalog for numerous additional reference materials that will assist in preparing for the contest.

Mammals

001. Badger
002. Bat, big brown
003. Bat, hoary
004. Bear, black
005. Beaver
006. Bobcat
007. Chipmunk, eastern
008. Coyote
009. Deer, whitetail
010. Fox, gray
011. Fox, red
012. Mink
013. Mole, eastern
014. Mole, starnose
015. Mouse, house
016. Mouse, meadow jumping
017. Mouse, white-footed
018. Muskrat
019. Myotis, little brown
020. Opossum, Virginia
021. Otter, river
022. Rabbit, eastern cottontail
023. Raccoon
024. Rat, Norway
025. Shrew, least
026. Shrew, short-tailed
027. Skunk, striped
028. Squirrel, eastern fox
029. Squirrel, eastern gray
030. Squirrel, red
031. Squirrel, southern flying
032. Squirrel, thirteen-lined ground
033. Vole, meadow
034. Weasel, least
035. Weasel, longtail
036. Woodchuck
037. Woodrat, eastern

Gamebirds

001. Black Duck
002. Bobwhite, northern
003. Bufflehead
004. Canvasback
005. Coot, American
006. Dove, mourning
007. Gadwall
008. Gallinule, common
009. Goldeneye, common
010. Goose, Canada
011. Goose, snow
012. Grebe, horned
013. Grebe, pied-billed
014. Grouse, ruffed
015. Loon, common
016. Mallard
017. Merganser, common
018. Merganser, hooded
019. Merganser, red-breasted
020. Pheasant, ring-necked
021. Pintail, northern
022. Rail, sora
023. Rail, Virginia
024. Redhead
025. Ring-Necked Duck
026. Ruddy Duck
027. Scaup, lesser
028. Shoveler, northern
029. Snipe, Wilson's
030. Swan, mute
031. Swan, tundra
032. Teal, blue-winged
033. Teal, cinnamon
034. Teal, green-winged
035. Turkey, wild
036. Wigeon, American
037. Wood Duck
038. Woodcock, American

Fish

001. Bass, largemouth
002. Bass, rock
003. Bass, smallmouth
004. Bass, spotted
005. Bass, white
006. Bluegill
007. Bowfin
008. Buffalofish
009. Bullhead, brown
010. Bullhead, yellow
011. Carp
012. Catfish, channel
013. Catfish, flathead
014. Crappie, black
015. Creek Chub
016. Drum, freshwater
017. Eel, American
018. Gar, longnose
019. Gizzard Shad
020. Golden Shiner
021. Lamprey
022. Minnow, bluntnose
023. Minnow, fathead
024. Muskellunge
025. Perch, yellow
026. Pickerel, chain
027. Pickerel, grass
028. Pike, northern
029. Redhorse Sucker
030. Salmon, chinook
031. Salmon, coho
032. Sauger
033. Trout, brown
034. Trout, lake
035. Trout, rainbow
036. Sturgeon, lake
037. Sunfish, green
038. Sunfish, redear
039. Walleye

Food and Cover Plants

001. Amaranth (Pigweed)
002. Aspen
003. Autumn Olive
004. Beech
005. Bluestem, big
006. Bindweed
007. Bittersweet, Asian
008. Bramble/Blackberry/Raspberry
009. Buckthorn
010. Bulrush
011. Cattail
012. Cedar
013. Clover, bush
014. Clover, red
015. Crabapple
016. Dogwood
017. Duckweed
018. Elderberry
019. Garlic Mustard
020. Grape, wild
021. Grass, brome
022. Grass, orchard
023. Grass, switch
024. Hawthorn
025. Hickory
026. Honeysuckle, Japanese
027. Maple
028. Millet
029. Multiflora Rose
030. Oak
031. Partridgeberry
032. Pine, Red
033. Pine, Eastern White
034. Pondweed
035. Poison Ivy
036. Purple Loosestrife
037. Queen Anne's Lace
038. Ragweed
039. Smartweed
040. Sumac
041. Sunflower
042. Timothy
043. Yarrow

Equipment

001. Aerial net
002. Anemometer (wind meter)
003. Axe, single or double bit
004. Backpack fire pump
005. Binoculars
006. Bottom-sampling dredge
007. Carbon monoxide tester
008. Conibear trap
009. Dessicator
010. Dissolved oxygen meter
011. Dot Grid
012. Drafting instruments
013. Drip torch
014. Egg incubator
015. Fire rake
016. Fire swatter
017. Flow/current meter
018. Hand compass
019. Hand lens
020. Hand level
021. Live animal traps
022. Minnow trap
023. pH meter/kit
024. Plankton Net
025. Plant press
026. Post-hole digger
027. Range pole/rod
028. Secchi disk
029. Seine
030. Sharpening stone
031. Shell reloading equipment
032. Shovel/spade
033. Sling psychrometer
034. Snake hook
035. Soil analysis sieve
036. Soil sampler
037. Soil test kit
038. Sound level meter
039. Spotting scope
040. Steel spring trap
041. Survey chains &/or tapes
042. Survey pins
043. Tally meter
044. Transit
045. Water sampler
046. Water test kit