

## 2024 FLORIDA 4-H FOREST ECOLOGY CONTEST SCORESHEET

**Instructions:** You will be identifying 20 tree samples. For each tree sample (labeled A through T), find the correct species in the list below and then write the number of the species in the space next to the appropriate letter.

### Intermediate – Tree ID

BADGE NUMBER: \_\_\_\_\_

TOTAL SCORE: \_\_\_\_\_ / 20

#	Common Name	Scientific Name
1	American elm	<i>Ulmus americana</i>
2	American holly	<i>Ilex opaca</i> var. <i>opaca</i>
3	American sycamore	<i>Platanus occidentalis</i>
4	bald cypress	<i>Taxodium distichum</i>
5	black cherry	<i>Prunus serotina</i>
6	black walnut	<i>Juglans nigra</i>
7	boxelder	<i>Acer negundo</i>
8	Chinese tallow	<i>Triadica sebifera</i>
9	common persimmon	<i>Diospyros virginiana</i>
10	eastern redcedar	<i>Juniperus virginiana</i>
11	flowering dogwood	<i>Cornus florida</i>
12	laurel oak	<i>Quercus laurifolia</i>
13	live oak	<i>Quercus virginiana</i>
14	loblolly pine	<i>Pinus taeda</i>
15	longleaf pine	<i>Pinus palustris</i>
16	melaleuca	<i>Melaleuca quinquenervia</i>
17	pecan	<i>Carya illinoensis</i>
18	pignut hickory	<i>Carya glabra</i>
19	red maple	<i>Acer rubrum</i>
20	sassafras	<i>Sassafras albidum</i>
21	slash pine	<i>Pinus elliotii</i>
22	southern magnolia	<i>Magnolia grandiflora</i>
23	southern red oak	<i>Quercus falcata</i>
24	sweetgum	<i>Liquidambar styraciflua</i>
25	tuliptree	<i>Liriodendron tulipifera</i>
26	turkey oak	<i>Quercus laevis</i>
27	water oak	<i>Quercus nigra</i>
28	waxmyrtle	<i>Myrica cerifera</i>

A. \_\_\_\_\_ K. \_\_\_\_\_

B. \_\_\_\_\_ L. \_\_\_\_\_

C. \_\_\_\_\_ M. \_\_\_\_\_

D. \_\_\_\_\_ N. \_\_\_\_\_

E. \_\_\_\_\_ O. \_\_\_\_\_

F. \_\_\_\_\_ P. \_\_\_\_\_

G. \_\_\_\_\_ Q. \_\_\_\_\_

H. \_\_\_\_\_ R. \_\_\_\_\_

I. \_\_\_\_\_ S. \_\_\_\_\_

J. \_\_\_\_\_ T. \_\_\_\_\_

# 2024 FLORIDA 4-H FOREST ECOLOGY CONTEST SCORESHEET

**Instructions:** You will be identifying 20 insect, disease, and stress samples. For each sample (labeled A through T), find the correct identification in the list below and then write the number in the space next to the appropriate letter.

## Intermediate - Forest Health

BADGE NUMBER: \_\_\_\_\_

TOTAL SCORE: \_\_\_\_\_ / 20

### Insects

- |                             |                      |
|-----------------------------|----------------------|
| 1. Ambrosia beetle          | 13. Cedar-apple rust |
| 2. Black turpentine beetle  | 14. Fireblight       |
| 3. Cicadas                  | 15. Fusiform rust    |
| 4. Eastern tent caterpillar | 16. Hypoxylon canker |
| 5. Fall webworm             | 17. Needlecast       |
| 6. Ips beetle               | 18. Oak leaf blister |
| 7. Pine sawflies            | 19. Pitch canker     |
| 8. Pine tip moth            |                      |
| 9. Pine webworm             |                      |
| 10. Southern pine beetle    |                      |

### Stresses

20. Catface
21. Galls
22. Lightning
23. Mistletoe

### Diseases

11. Annosus root rot
12. Armillaria root rot

- |          |          |
|----------|----------|
| A. _____ | K. _____ |
| B. _____ | L. _____ |
| C. _____ | M. _____ |
| D. _____ | N. _____ |
| E. _____ | O. _____ |
| F. _____ | P. _____ |
| G. _____ | Q. _____ |
| H. _____ | R. _____ |
| I. _____ | S. _____ |
| J. _____ | T. _____ |

# 2024 FLORIDA 4-H FOREST ECOLOGY CONTEST SCORESHEET

## Mammals

1. Armadillo
2. Black bear
3. Bobcat
4. Cottontail rabbit
5. Florida panther
6. Gray squirrel
7. Opossum
8. Pocket gopher
9. Raccoon
10. Red fox
11. Sherman's fox squirrel
12. Striped skunk
13. White-tailed deer
14. Wild pig

## Reptiles

15. American alligator
16. Black racer
17. Coral snake
18. Cottonmouth
19. Cuban brown anole
20. Eastern box turtle
21. Eastern diamondback rattlesnake
22. Eastern indigo snake
23. Fence lizard
24. Five-lined ground skink
25. Gopher tortoise
26. Green anole
27. Pygmy rattlesnake
28. Yellow rat snake

## Amphibians

29. Cuban treefrog
30. Eastern narrowmouth toad
31. Eastern newt
32. Green treefrog
33. Southern leopard frog
34. Southern toad

## Birds

35. American crow
36. Barred owl
37. Blue jay
38. Carolina chickadee
39. Chuck-will's-widow
40. Eastern towhee
41. Florida scrub jay
42. Northern bobwhite
43. Northern mockingbird
44. Pileated woodpecker
45. Red-bellied woodpecker
46. Red-cockaded woodpecker
47. Red-shouldered hawk
48. Sharp-shinned hawk
49. Tufted titmouse
50. Turkey vulture
51. Wild turkey
52. Wood duck
53. Wood stork

## Intermediate - Wildlife Hike

BADGE NUMBER: \_\_\_\_\_

TOTAL SCORE: \_\_\_\_\_ / 20

A. \_\_\_\_\_ K. \_\_\_\_\_

B. \_\_\_\_\_ L. \_\_\_\_\_

C. \_\_\_\_\_ M. \_\_\_\_\_

D. \_\_\_\_\_ N. \_\_\_\_\_

E. \_\_\_\_\_ O. \_\_\_\_\_

F. \_\_\_\_\_ P. \_\_\_\_\_

G. \_\_\_\_\_ Q. \_\_\_\_\_

H. \_\_\_\_\_ R. \_\_\_\_\_

I. \_\_\_\_\_ S. \_\_\_\_\_

J. \_\_\_\_\_ T. \_\_\_\_\_

<b>Intermediate - Forest Ecosystems</b>
BADGE NUMBER: _____
TOTAL SCORE: _____ / 20

**Tropical Hammocks**

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_
- 8. \_\_\_\_\_
- 9. \_\_\_\_\_
- 10. \_\_\_\_\_

**Freshwater Swamps**

- 1. \_\_\_\_\_
- 2. \_\_\_\_\_
- 3. \_\_\_\_\_
- 4. \_\_\_\_\_
- 5. \_\_\_\_\_
- 6. \_\_\_\_\_
- 7. \_\_\_\_\_
- 8. \_\_\_\_\_
- 9. \_\_\_\_\_
- 10. \_\_\_\_\_

<b>Intermediate - Map &amp; Compass</b>
BADGE NUMBER: _____
TOTAL SCORE: _____ / 20

### Map Symbols

Please provide the correct answer (A, B, C, or D) to each of the ten questions displayed on the table.

1 point for each correct answer.

- |          |           |
|----------|-----------|
| 1. _____ | 6. _____  |
| 2. _____ | 7. _____  |
| 3. _____ | 8. _____  |
| 4. _____ | 9. _____  |
| 5. _____ | 10. _____ |

<b><i>Do not write in the scoring box.</i></b>
<b>SCORE</b>
Map symbols subtotal: _____ (0-10)
Degrees subtotal: _____ (0-5)
Distance subtotal: _____ (0-5)
<b>TOTAL:</b> _____ (out of 20)

### Compass

Please provide the correct bearing and distance in feet as listed below.

Full points (5) for each bearing if answers are within 3 degrees or feet. One point off for each additional 3 degrees or feet in error.

- To get from Point A to Point B you need to travel at a bearing of \_\_\_\_\_ degrees.
- To get from Point C to Point D you need to travel \_\_\_\_\_ feet.