

## Grade Six Resources

TRC's Education Program Director/Consultant, Dave Taylor, has put together a variety of resources for teachers and students that can be used to enhance the learning experience of field trips at Riverwood.

This document contains a list of recommended videos and questions to help guide discussion. These resources follow the appropriate curriculum for the various grades and will help your students to connect their time at Riverwood to their classroom learning.

### Recommended Videos for Biodiversity (Full Day) Field Trip

| Title                           | Vimeo Ref #   |
|---------------------------------|---|
| <b>Full Length Videos</b>       |   |
| Canada The Wild Land 1867       | <a href="https://vimeo.com/251389071">https://vimeo.com/251389071</a> |
| <b>Bird Series</b>              |   |
| The Year of the Bird            | <a href="https://vimeo.com/253190310">https://vimeo.com/253190310</a> |
| S-System of Bird I.D.           | <a href="https://vimeo.com/255196466">https://vimeo.com/255196466</a> |
| <b>Passerines (Song Birds)</b>  |   |
| American Robin                  | <a href="https://vimeo.com/140211420">https://vimeo.com/140211420</a> |
| Barn Swallows                   | <a href="https://vimeo.com/139288244">https://vimeo.com/139288244</a> |
| Birds at a Feeder I             | <a href="https://vimeo.com/138465867">https://vimeo.com/138465867</a> |
| Birds at a Feeder II            | <a href="https://vimeo.com/138465868">https://vimeo.com/138465868</a> |
| Colourful Birds at a Feeder     | <a href="https://vimeo.com/167872836">https://vimeo.com/167872836</a> |
| Birds of Riverwood (Passerines) | <a href="https://vimeo.com/341462482">https://vimeo.com/341462482</a> |
| Blue Jay: At the feeder         | <a href="https://vimeo.com/145749832">https://vimeo.com/145749832</a> |
| Blue-gray Gnatcatcher           | <a href="https://vimeo.com/138396455">https://vimeo.com/138396455</a> |
| Chickadees at a Feeder          | <a href="https://vimeo.com/144213763">https://vimeo.com/144213763</a> |
| Finches at the Feeder           | <a href="https://vimeo.com/145785409">https://vimeo.com/145785409</a> |
| The House Wren                  | <a href="https://vimeo.com/248047456">https://vimeo.com/248047456</a> |
| Tree Swallow Spring             | <a href="https://vimeo.com/142759487">https://vimeo.com/142759487</a> |
| Yellow Warbler Nest             | <a href="https://vimeo.com/172460379">https://vimeo.com/172460379</a> |
| <b>Waterfowl Series</b>         |   |
| Canada Goose                    | <a href="https://vimeo.com/139764575">https://vimeo.com/139764575</a> |
| Wood Duck                       | <a href="https://vimeo.com/136303259">https://vimeo.com/136303259</a> |
| Trumpeter Swans: Fall           | <a href="https://vimeo.com/147677940">https://vimeo.com/147677940</a> |
| Mute Swan: New Life             | <a href="https://vimeo.com/147805880">https://vimeo.com/147805880</a> |
| Long-tailed Duck: December      | <a href="https://vimeo.com/149522781">https://vimeo.com/149522781</a> |
| American White Pelican          | <a href="https://vimeo.com/228865047">https://vimeo.com/228865047</a> |
| Double Crested Cormorant        | <a href="https://vimeo.com/138113983">https://vimeo.com/138113983</a> |
| Red-neck grebe I                | <a href="https://vimeo.com/138113981">https://vimeo.com/138113981</a> |
| Red-neck grebe II               | <a href="https://vimeo.com/138113982">https://vimeo.com/138113982</a> |
| <b>Birds of Prey Series</b>     |   |
| Bald Eagle Nest                 | <a href="https://vimeo.com/136310292">https://vimeo.com/136310292</a> |
| Bald Eagle Journal              | <a href="https://vimeo.com/138396452">https://vimeo.com/138396452</a> |
| Osprey                          | <a href="https://vimeo.com/138188060">https://vimeo.com/138188060</a> |
| Osprey and Hawk                 | <a href="https://vimeo.com/234912270">https://vimeo.com/234912270</a> |
| <b>Woodpecker Series</b>        |   |
| Downy Woodpeckers: feeder       | <a href="https://vimeo.com/145754085">https://vimeo.com/145754085</a> |

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| <b>Hummingbirds</b>                              |   |
| Ruby-throated Hummingbird                        | <a href="https://vimeo.com/228854826">https://vimeo.com/228854826</a> |
| Ruby-throated Hummingbird II                     | <a href="https://vimeo.com/248055066">https://vimeo.com/248055066</a> |
| <b>Wading Bird Series</b>                        |   |
| Great Blue Heron                                 | <a href="https://vimeo.com/138188085">https://vimeo.com/138188085</a> |
| Great Blue Heron: Nesting...                     | <a href="https://vimeo.com/140252114">https://vimeo.com/140252114</a> |
| Sandhill Crane: Fall Migration                   | <a href="https://vimeo.com/149531081">https://vimeo.com/149531081</a> |
| Sandhill Cranes: Southern ON                     | <a href="https://vimeo.com/228903477">https://vimeo.com/228903477</a> |
| <b>Game Bird Series</b>                          |   |
| Wild Turkey                                      | <a href="https://vimeo.com/142160748">https://vimeo.com/142160748</a> |
| <b>Owl Series</b>                                |   |
| Great Horned Owl Nest                            | <a href="https://vimeo.com/167631462">https://vimeo.com/167631462</a> |
| Great Horned Owllet: Feeding                     | <a href="https://vimeo.com/167631461">https://vimeo.com/167631461</a> |
| <b>Miscellaneous</b>                             |   |
| Common Loon: seasonal changes                    | <a href="https://vimeo.com/316845111">https://vimeo.com/316845111</a> |
| <b>Mammal Series</b>                             |   |
| <b>Carnivores:</b>                               |   |
| River Otter                                      | <a href="https://vimeo.com/149074624">https://vimeo.com/149074624</a> |
| Raccoon: The Masked Bandit                       | <a href="https://vimeo.com/228866461">https://vimeo.com/228866461</a> |
| <b>Canine Series</b>                             |   |
| Coyote   | <a href="https://vimeo.com/138113980">https://vimeo.com/138113980</a> |
| Red Fox Hunting                                  | <a href="https://vimeo.com/228858600">https://vimeo.com/228858600</a> |
| Gray Wolves Summer                               | <a href="https://vimeo.com/141294225">https://vimeo.com/141294225</a> |
| <b>Bears * See also Salmon Series</b>            |   |
| Black Bear                                       | <a href="https://vimeo.com/138113984">https://vimeo.com/138113984</a> |
| Black Bear Big Males                             | <a href="https://vimeo.com/228899188">https://vimeo.com/228899188</a> |
| Black Bear Red Berries                           | <a href="https://vimeo.com/228854076">https://vimeo.com/228854076</a> |
| Three Cubs and a Bull Bison                      | <a href="https://vimeo.com/316811578">https://vimeo.com/316811578</a> |
| Brown Bear/ Red Salmon I*                        | <a href="https://vimeo.com/144924550">https://vimeo.com/144924550</a> |
| Brown Bear/ Red Salmon II*                       | <a href="https://vimeo.com/145041154">https://vimeo.com/145041154</a> |
| Brown Bear/Red Salmon III*                       | <a href="https://vimeo.com/145126332">https://vimeo.com/145126332</a> |
| Salmon Story 2917 v2 Full Story                  | <a href="https://vimeo.com/236629272">https://vimeo.com/236629272</a> |
| Grizzly Bear: Cubs of the year                   | <a href="https://vimeo.com/292608660">https://vimeo.com/292608660</a> |
| Nature: Grizzly Bear: Cubs of the year           | <a href="https://vimeo.com/292606506">https://vimeo.com/292606506</a> |
| <b>Rodent Series</b>                             |   |
| Muskrat Dawn                                     | <a href="https://vimeo.com/147546097">https://vimeo.com/147546097</a> |
| Cottontail Rabbit: Spring                        | <a href="https://vimeo.com/149039850">https://vimeo.com/149039850</a> |
| Company's Coming: Prairie Dogs and Bison         | <a href="https://vimeo.com/293470500">https://vimeo.com/293470500</a> |
| Nature: Company's Coming: Prairie Dogs and Bison | <a href="https://vimeo.com/293471621">https://vimeo.com/293471621</a> |
| Yellow-bellied Marmot                            | <a href="https://vimeo.com/343317201">https://vimeo.com/343317201</a> |
| Yellow-bellied Marmot (narrated)                 | <a href="https://vimeo.com/343531283">https://vimeo.com/343531283</a> |
| <b>Ungulate Series:</b>                          |   |
| <b>White-tailed Deer Series</b>                  |   |
| White-tailed Fawn                                | <a href="https://vimeo.com/136302906">https://vimeo.com/136302906</a> |
| White-tailed Kindergarten                        | <a href="https://vimeo.com/138188058">https://vimeo.com/138188058</a> |

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|--|---|
| White-tailed Deer: The Rut Begins        | <a href="https://vimeo.com/145217845">https://vimeo.com/145217845</a> |
| White-tailed Deer: Six-point and the doe | <a href="https://vimeo.com/145698474">https://vimeo.com/145698474</a> |
| Big Buck and the Does                    | <a href="https://vimeo.com/147281198">https://vimeo.com/147281198</a> |
| White-tail Buck: Summer                  | <a href="https://vimeo.com/147403643">https://vimeo.com/147403643</a> |
| Whitetails in January                    | <a href="https://vimeo.com/229480453">https://vimeo.com/229480453</a> |
| White-tail Buck: Fall                    | <a href="https://vimeo.com/147414945">https://vimeo.com/147414945</a> |
| Nature: White Tails Sparring             | <a href="https://vimeo.com/292577632">https://vimeo.com/292577632</a> |
| White Tails Sparring                     | <a href="https://vimeo.com/292576279">https://vimeo.com/292576279</a> |
| <b>Fish Series</b>                       |   |
| <b>Salmon Series</b>                     |   |
| Credit River Salmon                      | <a href="https://vimeo.com/142070570">https://vimeo.com/142070570</a> |
| Fishing for Salmon                       | <a href="https://vimeo.com/142810905">https://vimeo.com/142810905</a> |
| Leaping Salmon                           | <a href="https://vimeo.com/142571891">https://vimeo.com/142571891</a> |
| Salmon Spawning (Underwater)             | <a href="https://vimeo.com/143154590">https://vimeo.com/143154590</a> |
| Salmon Spawning (above)                  | <a href="https://vimeo.com/143171639">https://vimeo.com/143171639</a> |
| Chinook Salmon: Life Continues           | <a href="https://vimeo.com/144807457">https://vimeo.com/144807457</a> |
| Brown Bear/ Red Salmon I                 | <a href="https://vimeo.com/144924550">https://vimeo.com/144924550</a> |
| Brown Bear/ Red Salmon II                | <a href="https://vimeo.com/145041154">https://vimeo.com/145041154</a> |
| Brown Bear/Red Salmon III                | <a href="https://vimeo.com/145126332">https://vimeo.com/145126332</a> |
| Salmon Story 2917 v2 Full Story          | <a href="https://vimeo.com/236629272">https://vimeo.com/236629272</a> |
| <b>Amphibian Series</b>                  |   |
| Time of the Toads                        | <a href="https://vimeo.com/136310291">https://vimeo.com/136310291</a> |
| Song of the Toads                        | <a href="https://vimeo.com/165717571">https://vimeo.com/165717571</a> |
| Some Frogs of Riverwood                  | <a href="https://vimeo.com/139878092">https://vimeo.com/139878092</a> |
| Spotted Salamander                       | <a href="https://vimeo.com/165057810">https://vimeo.com/165057810</a> |
| <b>Reptile Series</b>                    |   |
| Snapping Turtle                          | <a href="https://vimeo.com/139764574">https://vimeo.com/139764574</a> |
| Snaggle-tooth: Bull Alligator            | <a href="https://vimeo.com/149577993">https://vimeo.com/149577993</a> |
| Gator Gaits                              | <a href="https://vimeo.com/165717599">https://vimeo.com/165717599</a> |
| Green Sea Turtle underwater              | <a href="https://vimeo.com/165057838">https://vimeo.com/165057838</a> |
| <b>Insects and Invertebrate Series</b>   |   |
| Honey Bees in the Hive                   | <a href="https://vimeo.com/142680332">https://vimeo.com/142680332</a> |
| Pollinators and Predators                | <a href="https://vimeo.com/138188061">https://vimeo.com/138188061</a> |
| Monarch                                  | <a href="https://vimeo.com/138188059">https://vimeo.com/138188059</a> |
| <b>Habitat Series</b>                    |   |
| Wild Riverwood (no narration)            | <a href="https://vimeo.com/247240424">https://vimeo.com/247240424</a> |
| Wild Riverwood (narration)               | <a href="https://vimeo.com/246723815">https://vimeo.com/246723815</a> |
| The Credit River                         | <a href="https://vimeo.com/136302909">https://vimeo.com/136302909</a> |
| The Gardens of Riverwood                 | <a href="https://vimeo.com/139156254">https://vimeo.com/139156254</a> |
| The Marsh: Late Summer                   | <a href="https://vimeo.com/139921652">https://vimeo.com/139921652</a> |
| Water Falls                              | <a href="https://vimeo.com/141351235">https://vimeo.com/141351235</a> |
| Forest Wildlife in Summer                | <a href="https://vimeo.com/140056479">https://vimeo.com/140056479</a> |
| Fall Comes to Riverwood                  | <a href="https://vimeo.com/143640179">https://vimeo.com/143640179</a> |
| Photographing Water                      | <a href="https://vimeo.com/168405948">https://vimeo.com/168405948</a> |
| Riverwood in Summer                      | <a href="https://vimeo.com/316859894">https://vimeo.com/316859894</a> |
| <b>Africa Safari Videos</b>              |   |

|                           |   |
|---------------------------|---|
| Elephants in the Rain     | <a href="https://vimeo.com/228869078">https://vimeo.com/228869078</a> |
| Serengeti                 | <a href="https://vimeo.com/228862548">https://vimeo.com/228862548</a> |
| Lesser Flamingos          | <a href="https://vimeo.com/229265604">https://vimeo.com/229265604</a> |
| Wildebeest and Crocodiles | <a href="https://vimeo.com/199820283">https://vimeo.com/199820283</a> |
| Nature: New Born Hippo    | <a href="https://vimeo.com/292744028">https://vimeo.com/292744028</a> |
| New Born Hippo            | <a href="https://vimeo.com/292748557">https://vimeo.com/292748557</a> |
| At the Kill               | <a href="https://vimeo.com/344423233">https://vimeo.com/344423233</a> |
| At the Kill (narrated)    | <a href="https://vimeo.com/344633590">https://vimeo.com/344633590</a> |

## General Discussion Questions: Based on Grade 6 Understanding Life Systems: Biodiversity

**Q: How can the featured organisms be classed scientifically?**

*A: In general they can be classed as presented in Appendix I. Please refer to text books for the scientific categories of classification in detail: Kingdom; Phylum or Division; Class; Order; Family; Genus; Species*

**Q: Group the species according to their scientific classification.**

*A: See appendix I.*

**Q: Group the species according to their habitat preferences and needs.**

*A: See appendix II*

**Q: Based on the featured species how diverse are the habitats found at Riverwood?**

*A: The habitats found at Riverwood include forests, wetlands, fast flowing river, streams, meadows, open grassland (lawns) and gardens.*

**Q: What are the distinguishing characteristics of the different groups of plants and animals seen in these videos?**

*A: See Appendix III*

**Q: Which of the species featured interact with other species featured?**

*A: Coyote & Deer, Raccoon & frogs, toads, song birds, Cormorants & fish, Heron & fish & frogs, Woodpecker & insects, Robin & worm, Bald eagle & fish and so on*

**Q: What other species of plants and animals are likely to be found in the area (i.e. as food, shelter, competitors for the species featured in the videos)?**

*A: This answer will vary but at Riverwood we have 183 species of birds, mink, opossum, mice, voles, cottontail rabbits, weasel, red fox, salmon, rainbow trout, garter snakes, water snakes, grey squirrels to name but a few.*

## Additional Resources

### Dave Taylor's Wildlife

[www.DaveTaylorWildlife.com](http://www.DaveTaylorWildlife.com)

### Dave Taylor's Youtube

<https://www.youtube.com/channel/UCZATOyhjleb9Tte9neU1CBQ>

## About Dave Taylor

The videographer and creator of these resources is Dave Taylor, TRC's Education Director/Consultant. Dave is a retired Peel Teacher who for most of his 30 plus years taught science and geography to grade 7 & 8's. He was also a Science Resource Teacher and he spent two years at the Britannia School Farm when it first opened. He has written over 40 books on natural history including resource books for teachers.

He is one of Canada's best known wildlife photographers. His company, *J. D. Taylor "Senses of Wildness" Inc.* produces and holds the copyright on these productions. Schools may use them for educational purposes but no unauthorized use other than as stated above may be undertaken without the written consent of *J. D. Taylor "Senses of Wildness" Inc.* He can be reached via this website.

Created by Dave Taylor (M.Ed.)  
Education Program/Director Consultant  
The Riverwood Conservancy  
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## Appendix I: Animal Status, Role of Species Shown (N. American)

| Species                   | Riverwood Presence<br>Y = Yes<br>N = No<br>EX = Extirpated | Role:<br>All Animals are Consumers<br>All Plants are Producers<br>H = Herbivorous (plant eater)*<br>C = Carnivorous (meat eater)*<br>O = Omnivorous* (plant & meat)<br>S = Scavenger (carrion)<br>I = Insectivore (insects) | Predator or Prey<br>(Note animals can both a predator on another species and the prey of other species.)<br>PR = Predator<br>PY = Prey |
|---------------------------|--|---|--|
| American Toad             | Y  | C   | PR PY  |
| Bullfrog                  | Y  | C   | PR PY  |
| Green Frog                | Y  | C   | PR PY  |
| Northern Leopard Frog     | Y  | C   | PR PY  |
| American Goldfinch        | Y  | O   | PR PY  |
| American Robin            | Y  | O   | PR PY  |
| Bald Eagle                | Y (rare)   | C   | PR PY  |
| Baltimore Oriole          | Y  | O   | PR PY  |
| Barn Swallow              | Y  | C   | PR PY  |
| Black-capped Chickadee    | Y  | C   | PR PY  |
| Blue-gray Gnatcatcher     | Y  | C   | PR PY  |
| Canada Goose              | Y  | H   | PR PY  |
| Cedar Waxwing             | Y  | O   | PR PY  |
| Common Loon               | N  | C   | PR   |
| Double Crested Cormorant  | Y  | C   | PR PY  |
| Downy Woodpecker          | Y  | O   | PR PY  |
| Eastern Phoebe            | Y  | C   | PR PY  |
| Gray Catbird              | Y  | C   | PR PY  |
| Great Blue Heron          | Y  | C   | PR   |
| Sandhill Crane            | Y (fly over)   | H   | PY   |
| Great Horned Owl          | Y  | C   | PR   |
| Greater Yellowlegs        | Y  | C   | PR PY  |
| Great Egret               | Unconfirmed  | C   | PR PY  |
| Green Heron               | Y  | C   | PR PY  |
| House Finch               | Y  | C   | PRPY   |
| Mallard Duck              | Y  | H   | PY   |
| Northern Flicker          | Y  | C   | PR PY  |
| Mute Swan                 | N  | H   | PY   |
| Osprey                    | Y (rare)   | C   | PR PY  |
| Red-necked Grebe          | N  | C   | PR PY  |
| Red-tailed Hawk           | Y  | C   | PR   |
| Red-wing Black Bird       | Y  | C   | PR PY  |
| Ring-billed Gull          | Y  | O   | PR PY  |
| Solitary Sandpiper        | Y  | C   | PR PY  |
| Wild Turkey               | Y (rare)   | H   | PY   |
| Ruby-throated Hummingbird | y  | O   | PR/PY  |
| Tree Swallow              | y  | C   | PR PY  |
| Trumpeter Swan            | N  | H   | PY   |
| White-breasted Nuthatch   | Y  | O   | PR PY  |
| Wood Duck                 | Y  | H   | PY   |
| Long-tailed Duck          | N  | C   | PR PY  |
| Daddy Long-legs           | Y  | I   | PR PY  |
| Beetle                    | Y  | I   | PR PY  |
| Bumble Bee                | Y  | H   | PY   |
| Honey Bee                 | Y  | H   | PY   |
| Monarch                   | Y  | H   | PY   |

|                       |   |  |   |
|-----------------------|---|--|---|
| Mourning Cloak        | Y   | H  | PY  |
| Red Admiral           | Y   | H  | PY  |
| Swallowtail           | Y   | H  | PY  |
| Spider                | Y   | I  | PR PY   |
| Beaver                | Y   | H  | PY  |
| Pika                  | N   | H  | PY  |
| Yellow-bellied Marmot | N   | H  | PY  |
| Black Bear            | N EX  | O  | PR  |
| Grizzly Bear          | N-EX  | O  | PR  |
| Coyote                | Y   | O  | PR (PY of wolves)   |
| Gray Wolf             | N   | C  | PR  |
| Red Fox               | Y   | C  | PR PY   |
| Gray Squirrel         | Y   | H  | PY  |
| Cottontail            | Y   | H  | PY  |
| Muskrat               | Y   | H  | PY  |
| Raccoon               | Y   | O  | PR PY   |
| River Otter           | N-EX  | C  | PR  |
| White-tailed deer     | Y   | H  | PY  |
| Plains Bison          | N   | H  | PY  |
| Elk                   | N-EX  | H  | PY  |
| Bighorn Sheep         | N   | H  | PY  |
| Snapping Turtle       | Y   | C  | PR  |
| American Alligator    | N   | C  | PR  |
| Chinook salmon        | Y   | C  | PR PY   |
| Rainbow trout         | Y   | C  | PR PY   |
| Atlantic salmon       | Y   | C  | PR PY   |
| <b>Species</b>        | <b>Riverwood Presence</b><br>Y = Yes<br>N = No<br>EX = Extirpated | <b>Role:</b><br>All Animals are Consumers<br>All Plants are Producers<br>H = Herbivorous (plant eater)*<br>C = Carnivorous (meat eater)*<br>O = Omnivorous* (plant & meat)<br>S = Scavenger (carrion)<br>I = Insectivore (insects) | <b>Predator or Prey</b><br>(Note animals can both a predator on another species and the prey of other species.)<br>PR = Predator<br>PY = Prey |



## Appendix II: Habitat Preferences (North American Species)

Many Species can be found in many habitats. This is just a guide to some of the more common habitats that some of the species featured may be found using at various times during the year.

| Species                  | Woods | Edges | Meadows | Grasslands | Big Water Fresh | Rivers Slow | Rivers Fast | Wetland | Ponds | Marshes |
|--------------------------|-------|-------|---------|------------|-----------------|-------------|-------------|---------|-------|---------|
| American Toad            | X     |       |         |            |                 |             |             |         | X     | X       |
| Bullfrog                 |       |       |         |            |                 |             |             |         | X     | X       |
| Green Frog               |       |       |         |            |                 |             |             |         | X     | X       |
| Northern Leopard Frog    |       | X     |         |            |                 |             |             |         | X     | X       |
| American Goldfinch       | X     | X     | X       |            |                 |             |             |         |       |         |
| American Robin           | X     | X     | X       | X          |                 |             |             |         |       |         |
| Bald Eagle               | X     |       |         |            | X               | X           | X           | X       |       | X       |
| Baltimore Oriole         | X     | X     |         |            |                 |             |             |         |       | X       |
| Barn Swallow             |       | X     | X       | X          |                 |             |             |         |       |         |
| Black-capped Chickadee   | X     | X     |         |            |                 |             |             |         |       |         |
| Blue-gray Gnatcatcher    | X     |       |         |            |                 |             |             |         |       |         |
| Blue Jay                 | X     | X     |         |            |                 |             |             |         |       |         |
| Canada Goose             |       |       |         | X          | X               | X           | X           | X       | X     | X       |
| Cedar Waxwing            | X     | X     |         |            |                 | X           |             |         |       |         |
| Common Loon              |       |       |         |            | x               | x           |             |         |       |         |
| Double Crested Cormorant |       |       |         |            | X               | X           |             |         |       |         |
| Downy Woodpecker         | X     | X     |         |            |                 |             |             |         |       |         |
| Eastern Phoebe           | X     | X     | X       |            |                 |             |             |         |       |         |
| Gray Catbird             | X     | X     | X       |            |                 |             |             |         |       |         |
| Great Blue Heron         |       |       |         |            |                 | X           |             |         |       | X       |
| Sandhill Crane           |       |       | x       | x          |                 |             |             | x       |       | x       |
| Great Horned Owl         | X     | X     | X       | X          |                 |             |             |         |       |         |
| Great Egret              |       |       |         |            |                 | X           |             | X       | X     | X       |
| Greater Yellowlegs       |       |       |         |            |                 |             |             |         |       | X       |
| Green Heron              |       |       |         |            |                 |             |             |         |       | X       |
| House Finch              | X     | X     | X       |            |                 |             |             |         |       |         |
| Mallard Duck             |       |       |         |            | X               |             |             | X       | X     | X       |
| Mute Swan                |       |       |         |            | x               | x           |             | x       | x     | x       |
| Long-tailed Duck         |       |       |         |            | x               |             |             |         |       |         |
| Northern Flicker         | X     | X     | X       | X          |                 |             |             |         |       |         |

|                           |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|
| Osprey                    |   |   |   |   | X | X | X |   |   | X |
| Red-necked Grebe          |   |   |   |   |   | X |   |   |   | X |
| Red-tailed Hawk           |   | X | X | X |   |   |   |   |   |   |
| Red-wing Black Bird       |   |   | X |   |   |   |   |   |   | X |
| Ring-billed Gull          |   |   |   |   |   |   |   |   | X | X |
| Solitary Sandpiper        |   |   |   |   |   |   |   | X |   | X |
| Ruby-throated Hummingbird | X | X | X |   |   |   |   |   |   |   |
| Wild Turkey               | X | X | X | X |   |   |   |   |   |   |
| Trumpeter Swan            |   |   |   | X | X |   |   |   | X | X |
| Tree Swallow              | X | X | X | X | X | X | X | X | X | X |
| White-breasted Nuthatch   | X | X |   |   |   |   |   |   |   |   |
| Wood Duck                 |   |   |   |   |   |   |   | X | X | X |
| Daddy Long-legs           |   | X | X |   |   |   |   |   |   |   |
| Beetle                    |   | X | X |   |   |   |   |   |   |   |
| Bumble Bee                |   | X | X |   |   |   |   |   |   |   |
| Honey Bee                 |   |   |   | X |   |   |   |   |   |   |
| Monarch                   |   |   | X | X |   |   |   |   |   |   |
| Mourning Cloak            | X |   |   |   |   |   |   |   |   |   |
| Red Admiral               | X |   |   |   |   |   |   |   |   |   |
| Swallowtail               | X | X |   |   |   |   |   |   |   |   |
| Spider                    | X | X | X | X |   |   |   |   | X | X |
| Beaver                    |   |   |   |   | X | X | X |   | X | X |
| Black Bear                | X | X |   |   |   |   |   |   |   |   |
| Brown Bear                | X | X | X | X |   | X |   | X |   |   |
| Coyote                    | X | X | X | X |   |   |   |   |   |   |
| Gray Wolf                 | X | X | X | X |   |   |   |   |   |   |
| River Otter               |   |   |   |   | x | x | x | x | x | x |
| Gray Squirrel             | X |   |   |   |   |   |   |   |   |   |
| Muskrat                   |   |   |   |   |   |   |   | X | X | X |
| Cottontail                | x | x | x | x |   |   |   |   |   |   |
| Raccoon                   | X | X |   |   |   |   |   | X | X | X |
| White-tailed deer         | X | X |   |   |   |   |   |   |   |   |
| Bison                     |   |   |   | x |   |   |   |   |   |   |
| Bighorn Sheep             |   |   | x | x |   |   |   |   |   |   |
| Prairie Dog               |   |   |   | x |   |   |   |   |   |   |
| Yellow-bellied Marmot     |   |   | x | x |   |   |   |   |   |   |
| Snapping Turtle           |   |   |   |   |   |   |   | X | X | X |
| American Alligator*       |   |   |   |   |   |   | X | x | x | x |

|                 |              |              |                |                   |                        |                    |                    |                |              |                |
|-----------------|--------------|--------------|----------------|-------------------|------------------------|--------------------|--------------------|----------------|--------------|----------------|
| Chinook salmon  |              |              |                |                   | X                      |                    | X                  |                |              |                |
| Rainbow trout   |              |              |                |                   | X                      |                    | X                  |                |              |                |
| Atlantic salmon |              |              |                |                   | X                      |                    | X                  |                |              |                |
| <b>Species</b>  | <b>Woods</b> | <b>Edges</b> | <b>Meadows</b> | <b>Grasslands</b> | <b>Big Water Fresh</b> | <b>Rivers Slow</b> | <b>Rivers Fast</b> | <b>Wetland</b> | <b>Ponds</b> | <b>Marshes</b> |

### Appendix III: Classification Characteristics

This is not the full set of defining characteristics used for classifying organisms but it does present the ones that students are most likely to glean from the videos.

| Class      | Body Covering | Legs | Wings           | Body Parts               | Reproduce By                | Thermo-type                                  |
|------------|---------------|------|-----------------|--------------------------|-----------------------------|--|
| Mammal     | Hair          | 4    | 0 (except bats) | Head, Trunk, Limbs       | Sexual (live birth)         | Warm-blooded                                 |
| Bird       | Feathers      | 2    | 2               | Head, trunk, wings, legs | Sexual (eggs)               | Warm-blooded                                 |
| Reptiles   | Scales        | 4    | 0 (snakes)      | Head, Trunk, Limbs       | Sexual (eggs)               | Cold-blooded                                 |
| Amphibians | Skin          | 4    | 0               | Head, Trunk, Limbs       | Sexual (eggs laid in water) | Cold-blooded                                 |
| Fish       | Scales        | Fins | 0               | Head, trunk              | Sexual (eggs laid in water) | Some are cold-blooded, some are warm-blooded |
| Insects    | Skin          | 6    | Some            | Head, Thorax, Abdomen    | Sexual                      | Some are cold-blooded, some are warm-blooded |
| Spiders    | Skin          | 8    | 0               | Two                      | Sexual                      | Some are cold-blooded, some are warm-blooded |

| Plants           | Covering      | Flowers | Height       | Features  |
|------------------|---------------|---------|--------------|---|
| Trees            | Bark          | Y       | To 30 m plus | Single trunk<br>With branches   |
| Weeds            | Cellular skin | Y       | To 1 m plus  | Variable  |
| Emergent plants  | Cellular skin | Y       | To 3 m plus  | Single stalk<br>with leaves   |
| Floating Plants  | Cellular skin | Y       | To 1 m plus  | Stem is not<br>supportive<br>Leaves and<br>flower float on<br>surface |
| Submergent plant | Cellular skin | Y       | To 1 m plus  | Stem is not<br>supportive<br>Leaves float                             |