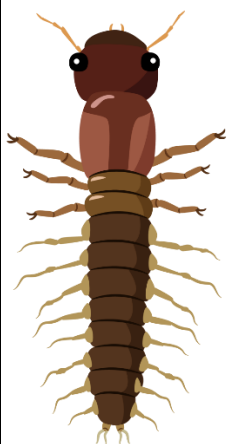


Cut out each square to create individual macroinvertebrate cards. Shuffle, place them together in a bowl or bag, and pull a card until someone achieves five in a row (or keep playing for 2nd, 3rd, blackout). You can use many different items for the markers/tokens: coins, buttons, beans, printable templates online, etc. If you have questions or need assistance, email [conserve@maineaudubon.org](mailto:conserve@maineaudubon.org).

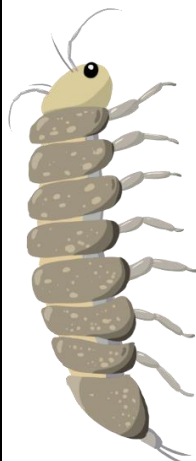


### Dobsonfly

Moderately Sensitive

**Length:** 25-90 mm

Dobsonfly larvae take three years or more to mature before pupating and turning into an adult (It is a good sign to see a dobsonfly in a stream!).

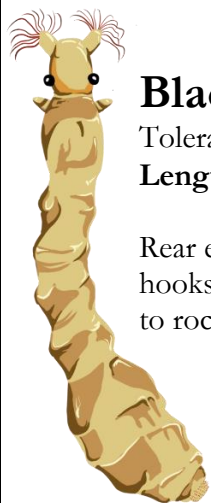


### Isopod

Tolerant

**Length:** 5-20 mm

Several generations per year allows it to recolonize after disturbance.



### Blackfly

Tolerant

**Length:** 3-8 mm

Rear end has a ring of tiny hooks that helps them attach to rocks and plants.



### Brush-legged Mayfly

Sensitive

**Length:** 8-17 mm, excluding tails

Good swimmers with an up-down motion, like a dolphin.



### Common Stonefly

Sensitive

**Length:** 8-35 mm (excluding tails)

Older naiads sometimes whack with their tails and try to flip each other in territorial disputes.



### Crayfish

Moderately Sensitive

**Length:** Up to 100 m

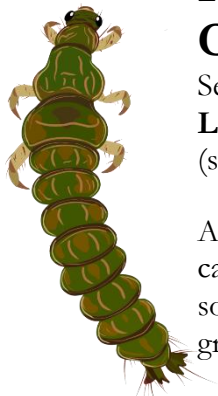
They are opportunistic feeders that will eat almost anything, even live fish if they can catch them.



## Flat-headed Mayfly

Moderately Sensitive  
**Length:** 5-20 mm  
(excluding tails)

These mayflies graze on algae that grows on rocks.



## Free-living Caddisfly

Sensitive  
**Length:** 11-18 mm  
(sometimes longer)

Are more mobile than most caddisflies. They are sometimes a pretty blueish-green color.



## Crane fly

Moderately Sensitive  
**Length:** 10-25 mm but some can be more than 50 mm long

Most species are somewhat secretive because fish would find them quite tasty.



## Leech

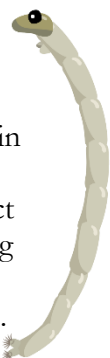
Tolerant  
**Length:** 5-20 mm in Maine streams (some pond leeches are larger)

Bodies can stretch and contract like an accordion.

## Midge

Tolerant  
**Length:** 10-20 mm

Red and orange midges have a substance like the hemoglobin in our blood, which makes our blood red. It helps them extract oxygen from the water, allowing these midges to survive in habitats where oxygen is scarce.



## Netspinning Caddisfly

Moderately Sensitive  
**Length:** 10-30 mm

Spin nets with silk between rocks (coarse mesh).



## Casemaking Caddisflies

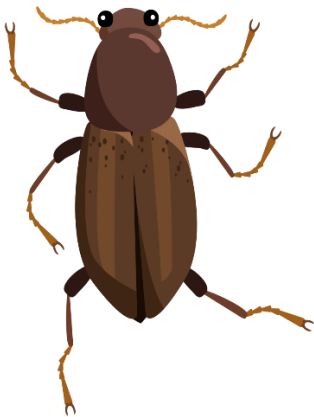
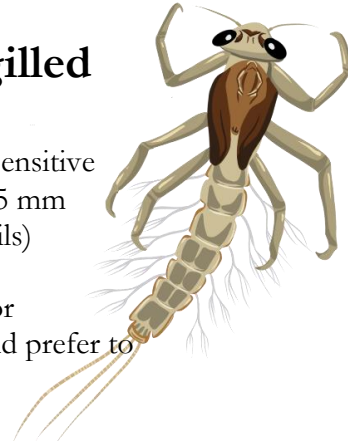
Moderately Sensitive  
**Length:** Varies

They build a wide variety of cases of sticks, sand, rocks, and plant parts.

## Prong-gilled Mayfly

Moderately Sensitive  
**Length:** 4-15 mm  
(excluding tails)

They are poor swimmers and prefer to crawl.



## Riffle Beetle

Moderately Sensitive  
**Length:** 2-8 mm  
(adults)

Predators of other invertebrates.



## Mud Snail

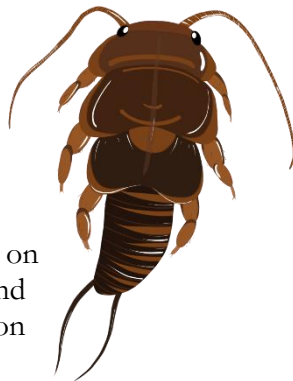
Moderately Sensitive  
**Length:** 3-5 mm

Live snails have a “trap door” called an operculum.

## Roach-like Stonefly

Sensitive  
**Length:** 8-15 mm  
excluding tails

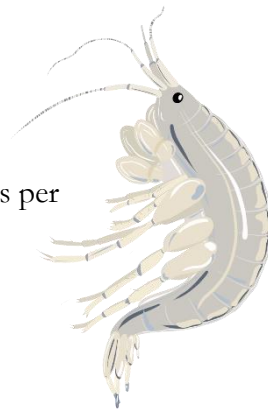
They love to chew on dead leaves and tend to be more common in spring and fall.

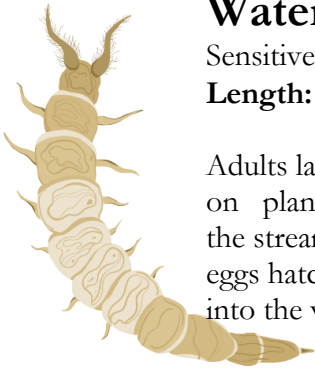


## Amphipod

Tolerant  
**Length:** 3-5 mm

Several generations per year allows it to recolonize after disturbance.





## Watersnipe Fly

Sensitive

**Length:** 10-18 mm

Adults lay eggs on plants that hang over the stream. When the eggs hatch, the larvae fall into the water.



## Water Penny

Moderately Sensitive

**Length:** 3-10 mm

The streamlined body shape helps them stick to the top of rocks in fast currents and makes it harder for fish to eat them.



## Giant Stonefly

Sensitive

**Length:** 15-50 mm  
(excluding tails)

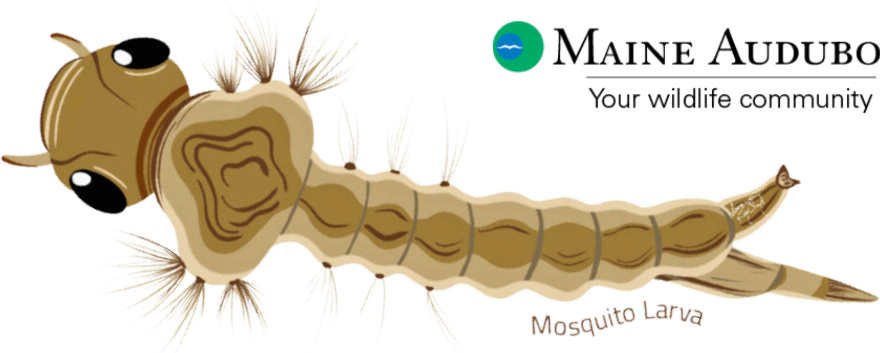
They look tough but will sometimes curl into spiky balls when scared.

**Sensitive**

**Moderately  
Sensitive**

**Tolerant**

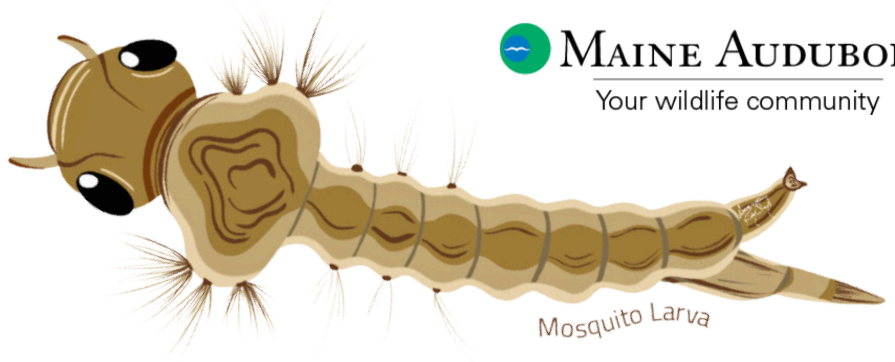
# BUG BINGO



|  |  |            |                      |          |
|--|--|------------|----------------------|----------|
|  |  |            |                      |          |
|  |  |            |                      |          |
|  |  | free space |                      |          |
|  |  |            |                      |          |
|  |  | Sensitive  | Moderately Sensitive | Tolerant |

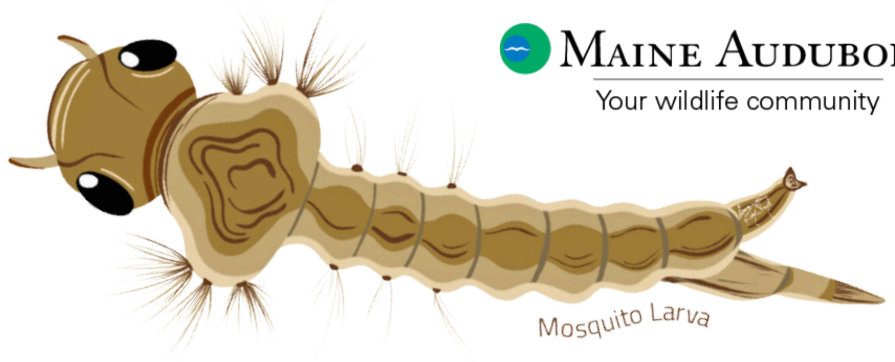


# BUG BINGO



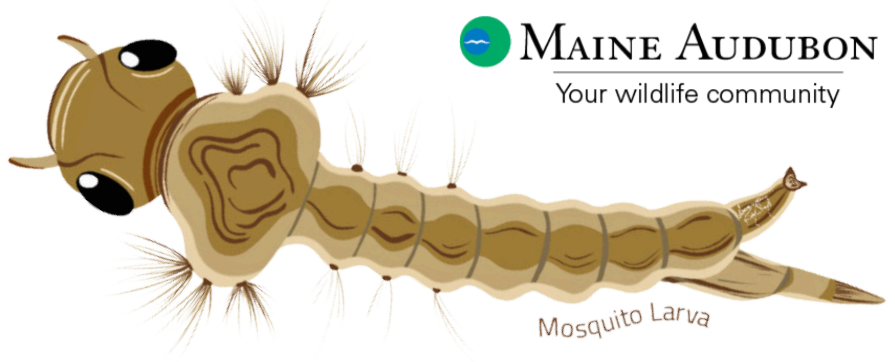
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|--|--|----------------------|-----------|----------|
|  |  |                      |           |          |
|  |  |                      |           |          |
|  |  | free space           |           |          |
|  |  |                      | Sensitive |          |
|  |  | Moderately Sensitive |           | Tolerant |

# BUG BINGO



|                  |                 |                   |  |                             |
|------------------|-----------------|-------------------|--|-----------------------------|
|                  |                 |                   |  | <b>Moderately Sensitive</b> |
|                  |                 |                   |  |                             |
| <b>Sensitive</b> |                 | <b>free space</b> |  |                             |
|                  | <b>Tolerant</b> |                   |  |                             |
|                  |                 |                   |  |                             |

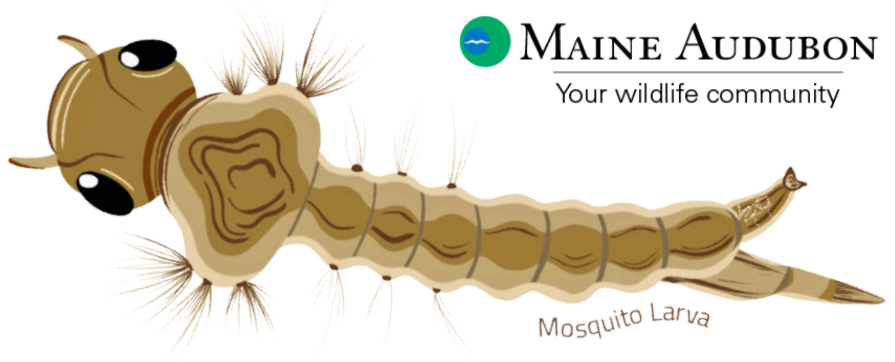
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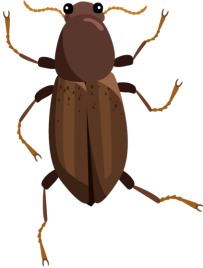



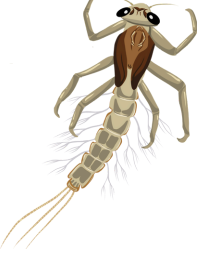



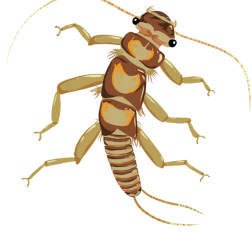

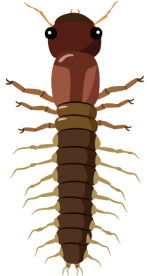



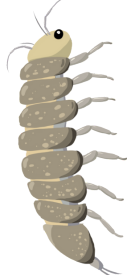




|          |  |            |                      |  |
|----------|--|------------|----------------------|--|
| Tolerant |  |            |                      |  |
|          |  |            | Moderately Sensitive |  |
|          |  | free space |                      |  |
|          |  |            |                      |  |
|          |  | Sensitive  |                      |  |

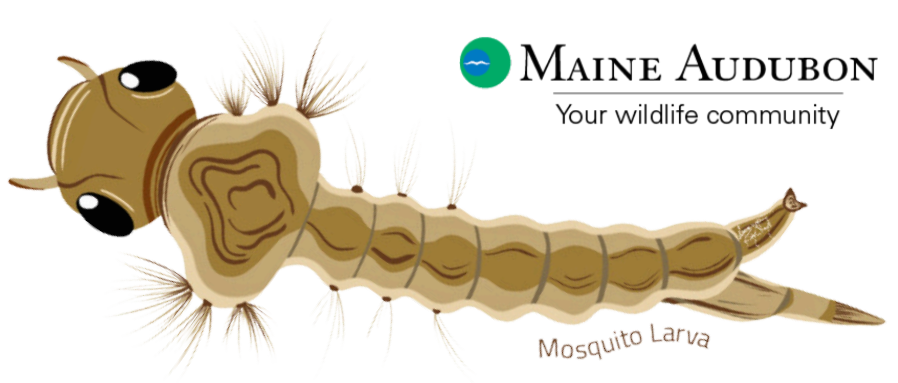


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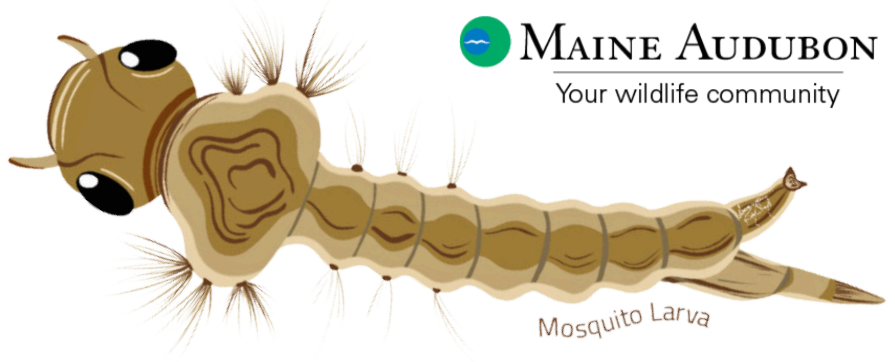
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|---|---|---|---|---|
|    | <b>Tolerant</b>   |    |    | <b>Sensitive</b>  |
| <b>Moderately Sensitive</b>   |   |   |    |   |
|  |  | <b>free space</b>   |  |  |
|  |  |  |  |  |
|  |  |  |   |  |

# BUG BINGO



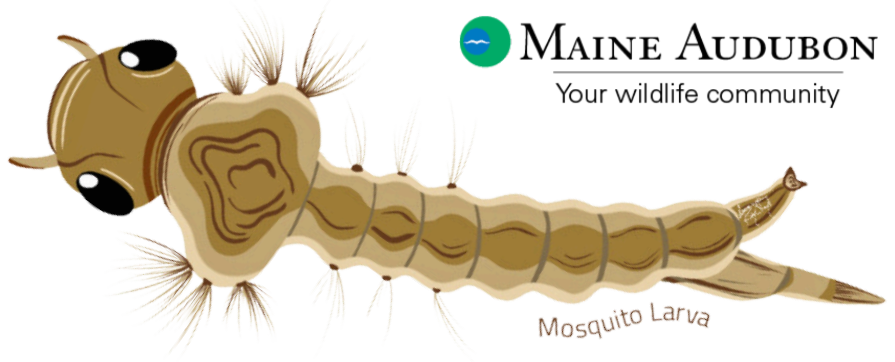
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|--|----------|------------|-----------|----------------------|
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|  | Tolerant |            |           |                      |
|  |          | free space |           |                      |
|  |          |            | Sensitive |                      |
|  |          |            |           | Moderately Sensitive |

# BUG BINGO



|                      |  |            |  |  |
|----------------------|--|------------|--|--|
| Moderately Sensitive |  |            |  |  |
|                      |  | Tolerant   |  |  |
|                      |  | free space |  |  |
|                      |  | Sensitive  |  |  |
|                      |  |            |  |  |

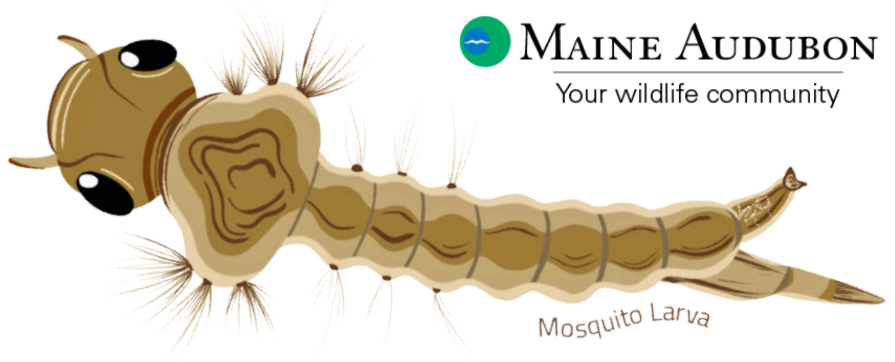
# BUG BINGO



|  |          |            |                      |           |
|--|----------|------------|----------------------|-----------|
|  |          |            | Moderately Sensitive |           |
|  | Tolerant |            |                      |           |
|  |          | free space |                      | Sensitive |
|  |          |            |                      |           |
|  |          |            |                      |           |



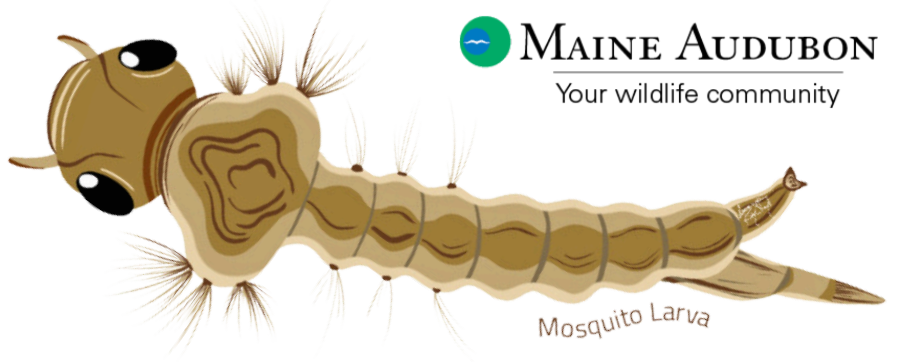
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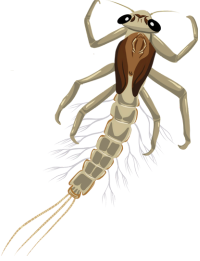
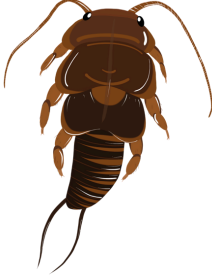
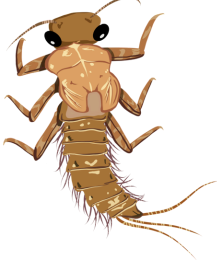


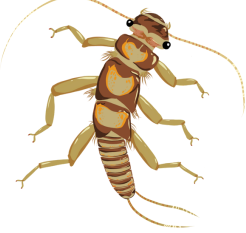







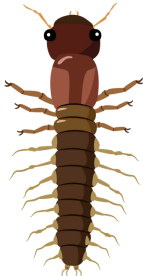
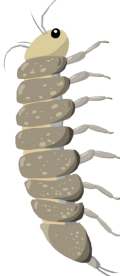




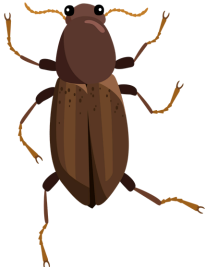


|  |                             |                   |                 |  |
|--|-----------------------------|-------------------|-----------------|--|
|  | <b>Sensitive</b>            |                   |                 |  |
|  |                             |                   |                 |  |
|  |                             | <b>free space</b> | <b>Tolerant</b> |  |
|  |                             |                   |                 |  |
|  | <b>Moderately Sensitive</b> |                   |                 |  |

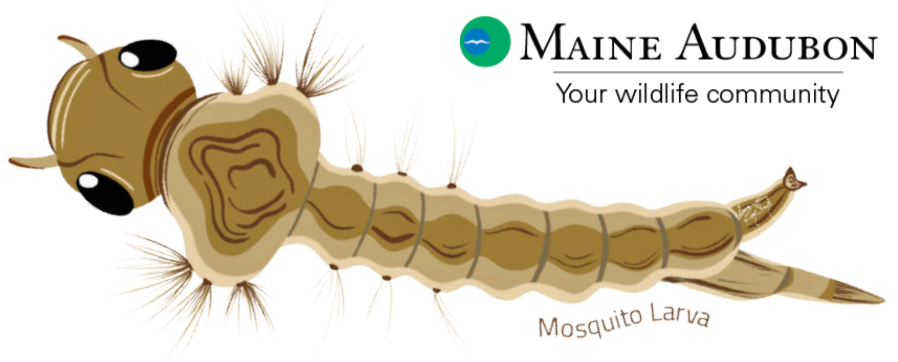


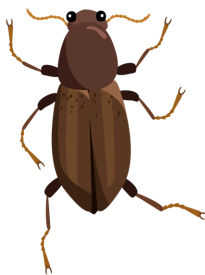
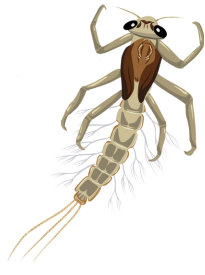




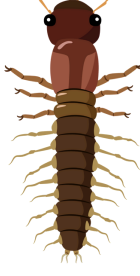


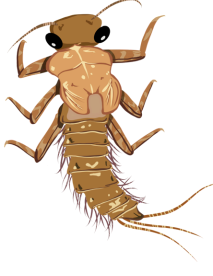



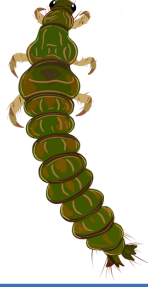



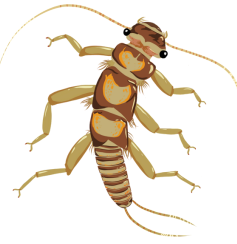



# BUG BINGO



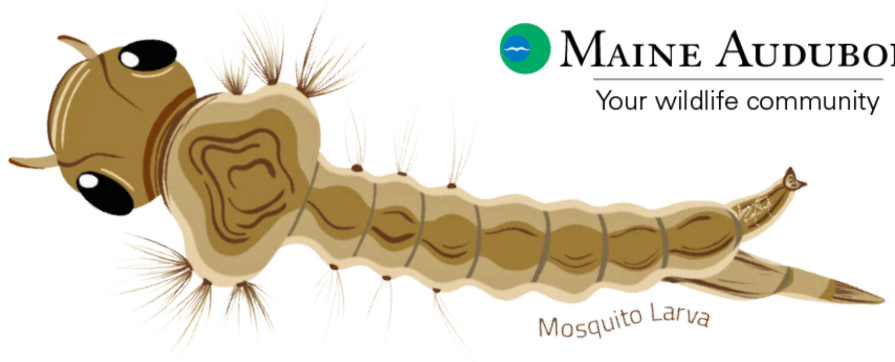
|   |   |   |   |   |
|---|---|---|---|---|
|    |    | <b>Sensitive</b>  |     |    |
|   |   |   |    |   |
| <b>Tolerant</b>   |  | <b>free space</b>   |  |  |
|  |  |  |  |  |
| <b>Moderately Sensitive</b>   |  |  |   |  |

# BUG BINGO



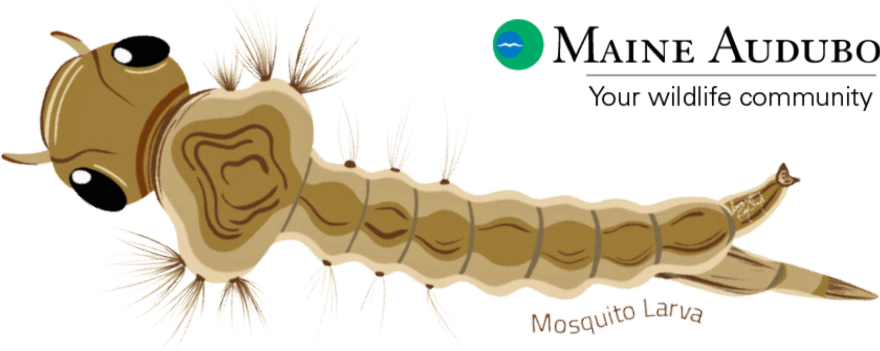
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|---|---|---|---|---|
|    |    | <b>Sensitive</b>  |     |    |
|   |   |   |    |   |
|  | <b>Tolerant</b>   | <b>free space</b>   |   | <b>Moderately Sensitive</b>   |
|  |  |  |  |  |
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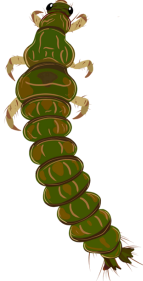
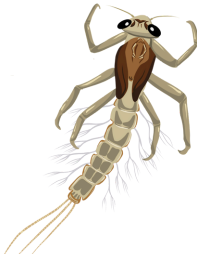


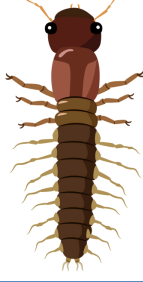




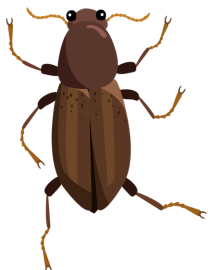







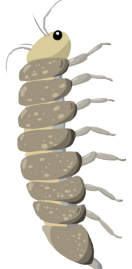


# BUG BINGO



|                             |  |                   |                  |  |
|-----------------------------|--|-------------------|------------------|--|
|                             |  |                   | <b>Tolerant</b>  |  |
|                             |  |                   | <b>Sensitive</b> |  |
| <b>Moderately Sensitive</b> |  | <b>free space</b> |                  |  |
|                             |  |                   |                  |  |
|                             |  |                   |                  |  |

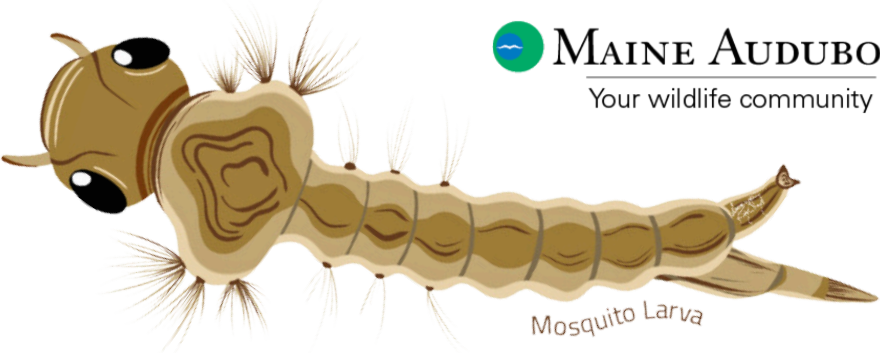
# BUG BINGO



|   |   |   |  |   |
|---|---|---|--|---|
|    |    |    | <b>Tolerant</b>  |    |
|   |   |   |  |   |
|  |  | <b>free space</b>   |  |  |
|  | <b>Moderately Sensitive</b>   |  |  |  |
| <b>Sensitive</b>  |  |  |  |  |



# BUG BINGO

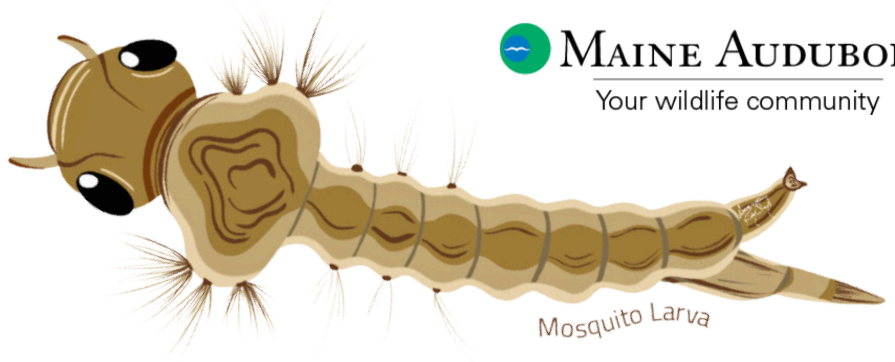


|  |  |                             |  |  |
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|  |  |                             |  |  |
|  |  | <b>Sensitive</b>            |  |  |
|  |  | <b>free space</b>           |  |  |
|  |  | <b>Moderately Sensitive</b> |  |  |
|  |  | <b>Tolerant</b>             |  |  |

Source Credit: Macroinvertebrates.org | Artwork by Karis Wang & Ricky Chen

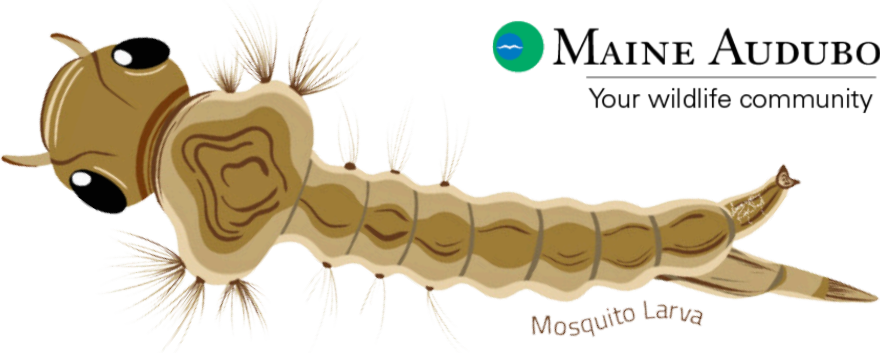


# BUG BINGO



|                 |                             |                   |                  |  |
|-----------------|-----------------------------|-------------------|------------------|--|
|                 |                             |                   | <b>Sensitive</b> |  |
| <b>Tolerant</b> |                             |                   |                  |  |
|                 |                             | <b>free space</b> |                  |  |
|                 |                             |                   |                  |  |
|                 | <b>Moderately Sensitive</b> |                   |                  |  |

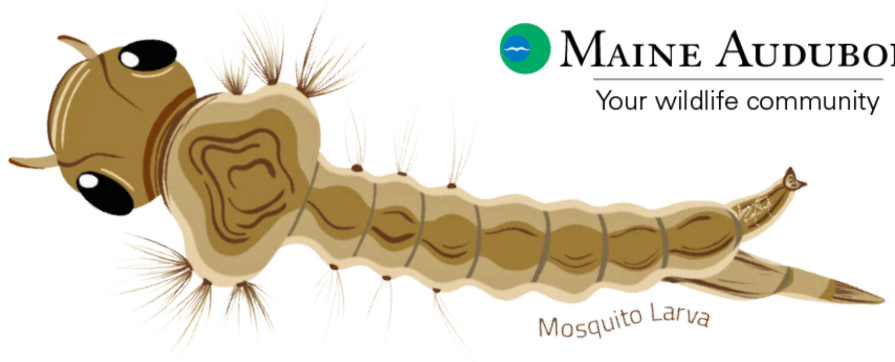
# BUG BINGO


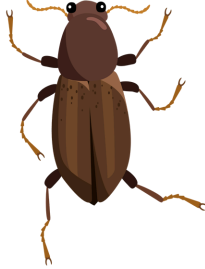






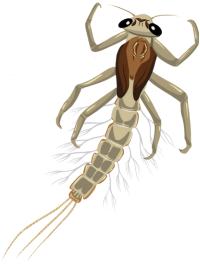




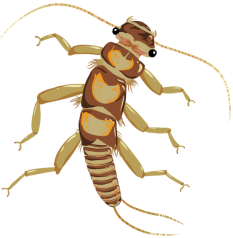

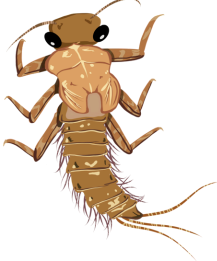


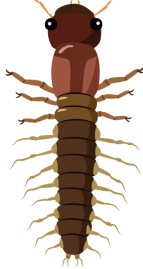

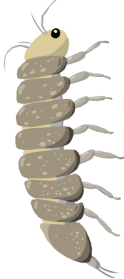


|                             |  |                   |  |                  |
|-----------------------------|--|-------------------|--|------------------|
|                             |  |                   |  |                  |
|                             |  |                   |  | <b>Tolerant</b>  |
|                             |  | <b>free space</b> |  |                  |
|                             |  |                   |  |                  |
| <b>Moderately Sensitive</b> |  |                   |  | <b>Sensitive</b> |

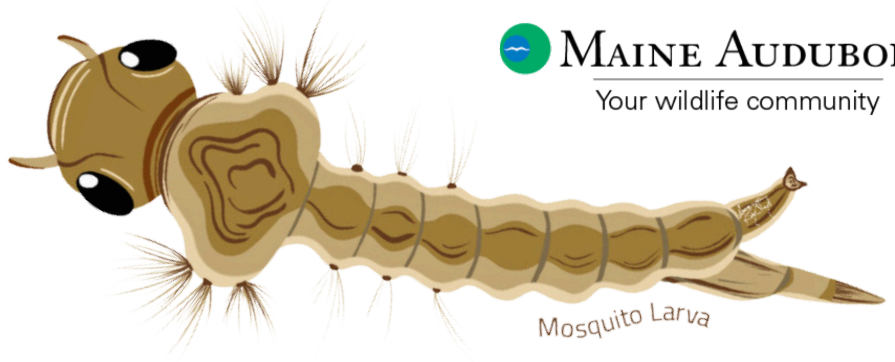
Source Credit: Macroinvertebrates.org | Artwork by Karis Wang & Ricky Chen

# BUG BINGO



|   |   |   |   |   |
|---|---|---|---|---|
|    | <b>Moderately Sensitive</b>   |    |    | <b>Tolerant</b>   |
|   |   |   |   |   |
|  |  | <b>free space</b>   |  |  |
|  |  |  | <b>Sensitive</b>  |  |
|  |  |  |   |  |

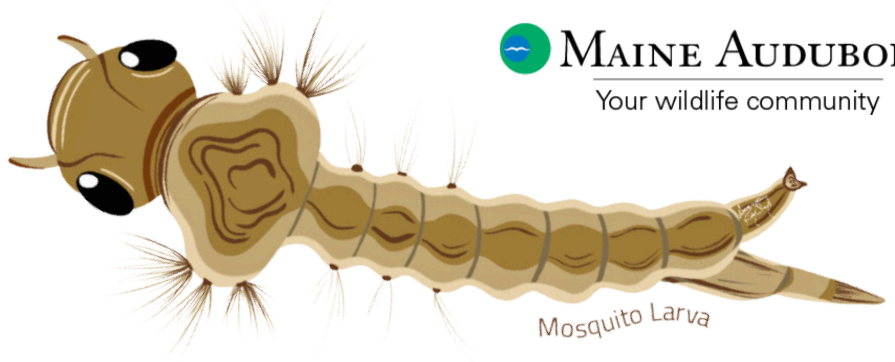
# BUG BINGO



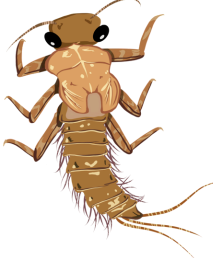









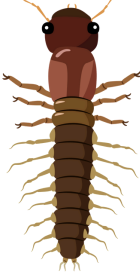


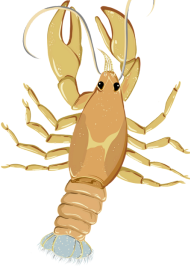

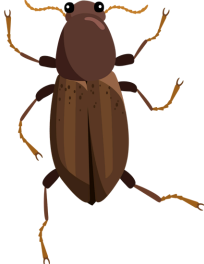

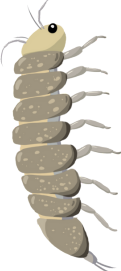



|          |                      |            |  |           |
|----------|----------------------|------------|--|-----------|
| Tolerant |                      |            |  |           |
|          |                      |            |  | Sensitive |
|          |                      | free space |  |           |
|          |                      |            |  |           |
|          | Moderately Sensitive |            |  |           |



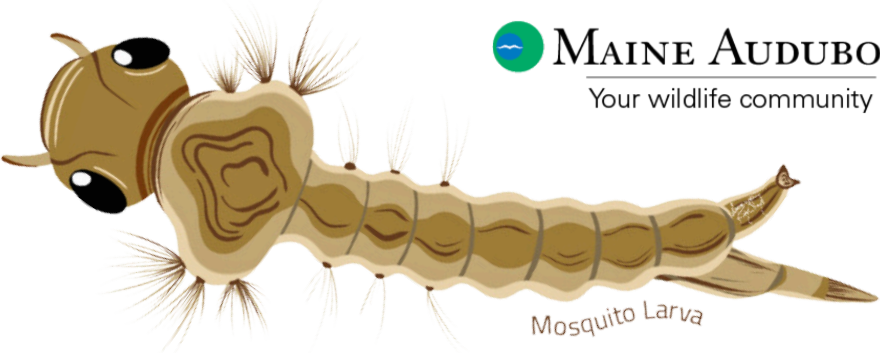
# BUG BINGO

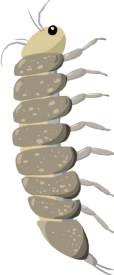





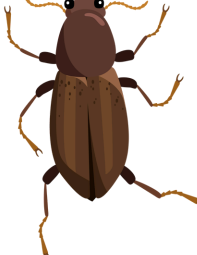

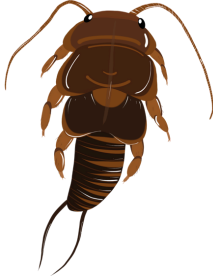



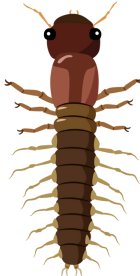


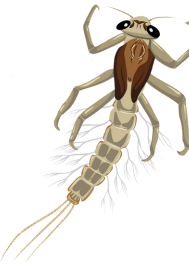







|   |   |   |  |   |
|---|---|---|--|---|
| Sensitive   |    |    |    | Tolerant  |
|   |   |   |  |   |
|  |  | free space  |  |  |
|  |  |  |  |  |
|  |  |  |  | Moderately Sensitive  |



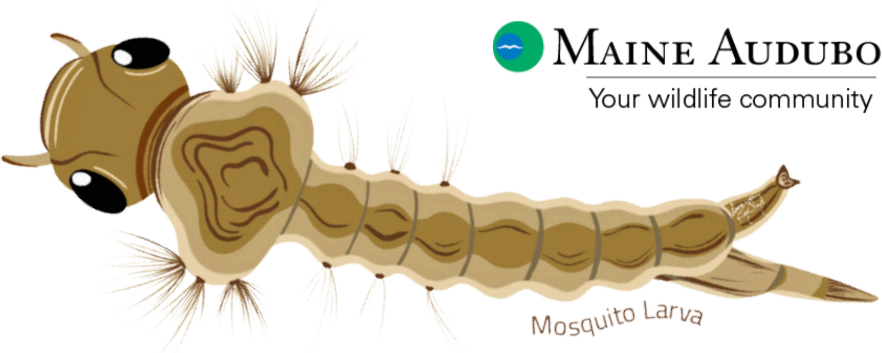
# BUG BINGO



|   |   |   |  |   |
|---|---|---|--|---|
|    |    |    |    | <b>Sensitive</b>  |
| <b>Moderately Sensitive</b>   |   |   |   |   |
|  |  | <b>free space</b>   |  |  |
|  |  |  |  |  |
|  |  |  | <b>Tolerant</b>  |  |

Source Credit: Macroinvertebrates.org | Artwork by Karis Wang & Ricky Chen

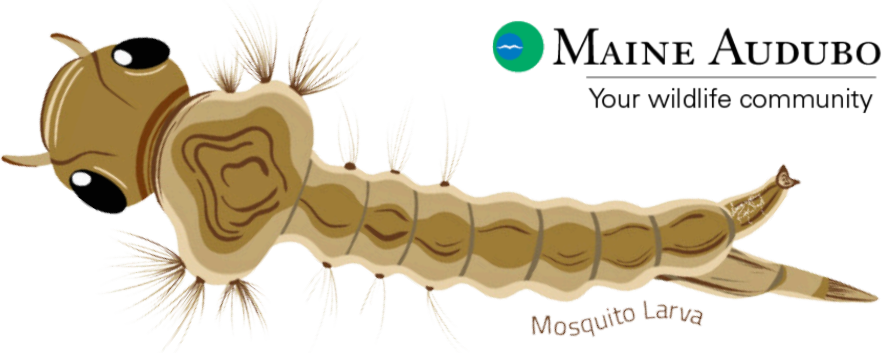
# BUG BINGO

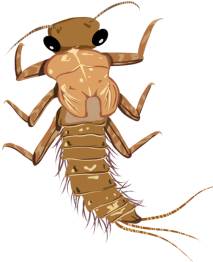



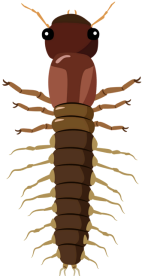





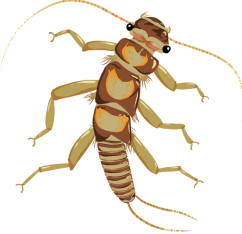
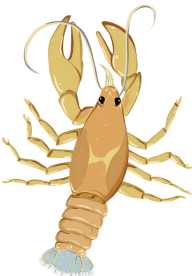



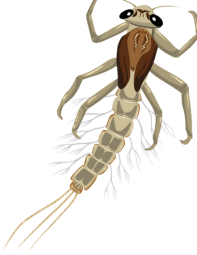
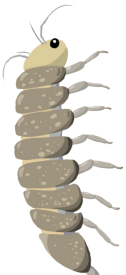

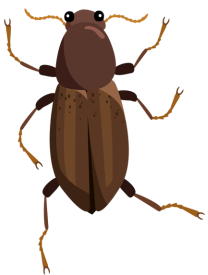




|  |  |                   |  |                             |
|--|--|-------------------|--|-----------------------------|
|  |  |                   |  |                             |
|  |  |                   |  | <b>Sensitive</b>            |
|  |  | <b>free space</b> |  | <b>Tolerant</b>             |
|  |  |                   |  |                             |
|  |  |                   |  | <b>Moderately Sensitive</b> |

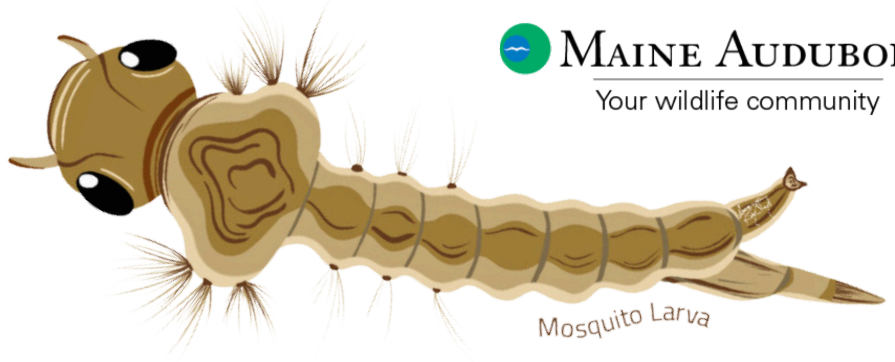
Source Credit: Macroinvertebrates.org | Artwork by Karis Wang & Ricky Chen



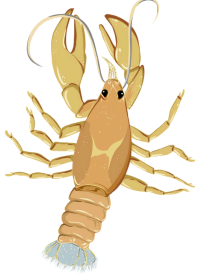
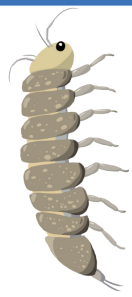
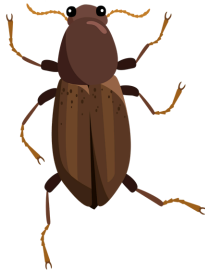
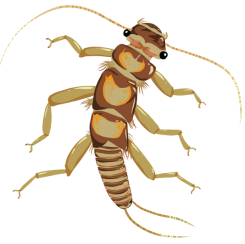



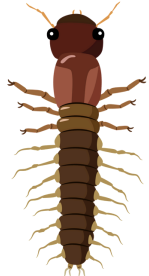





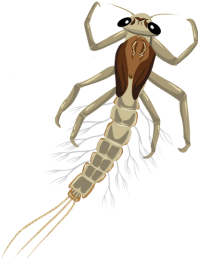


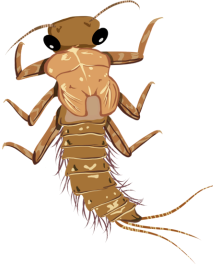


# BUG BINGO



|   |   |   |   |   |
|---|---|---|---|---|
|    |    |    | <b>Sensitive</b>  |    |
|   |   |   | <b>Tolerant</b>   |   |
|  |  | <b>free space</b>   |   |  |
|  |  | <b>Moderately Sensitive</b>   |  |  |
|  |  |  |   |  |

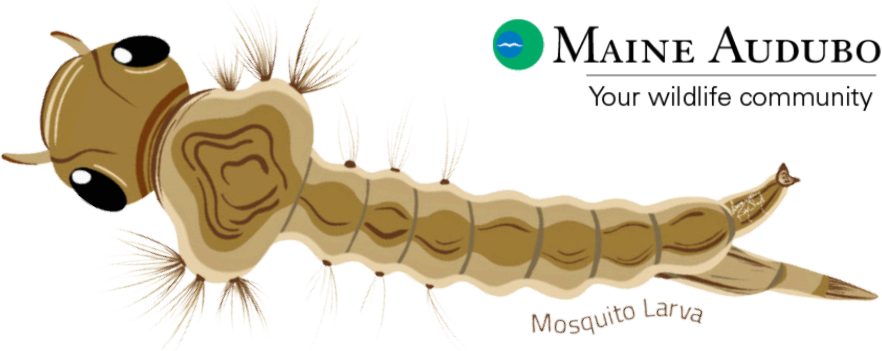
# BUG BINGO



|   |   |   |   |   |
|---|---|---|---|---|
|    | <b>Moderately Sensitive</b>   |    |     |    |
|   |   |   |   |   |
|  |  | <b>free space</b>   |  | <b>Tolerant</b>   |
| <b>Sensitive</b>  |  |  |  |  |
|  |  |  |  |  |



# BUG BINGO

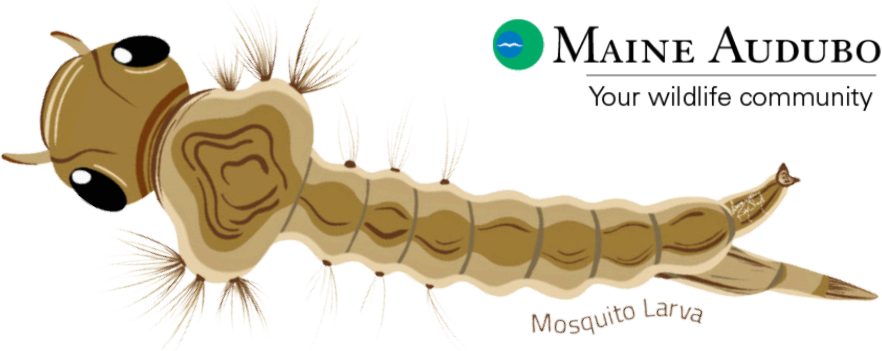


|                             |  |                   |  |  |
|-----------------------------|--|-------------------|--|--|
| <p>Tolerant</p>             |  |                   |  |  |
| <p>Sensitive</p>            |  |                   |  |  |
|                             |  | <p>free space</p> |  |  |
|                             |  |                   |  |  |
| <p>Moderately Sensitive</p> |  |                   |  |  |

Source Credit: Macroinvertebrates.org | Artwork by Karis Wang & Ricky Chen



# BUG BINGO



|                  |                             |                   |  |                 |
|------------------|-----------------------------|-------------------|--|-----------------|
|                  |                             |                   |  |                 |
| <b>Sensitive</b> |                             |                   |  |                 |
|                  |                             | <b>free space</b> |  |                 |
|                  |                             |                   |  | <b>Tolerant</b> |
|                  | <b>Moderately Sensitive</b> |                   |  |                 |