Moose
Alces alces

In Europe, a moose is known as a European Elk.

Increase Biodiversity
Event card

Black-eyed Hermit Crab
Pagurus armatus

Black-eyed Hermit Crab
Pagurus armatus

• Pagurus armatus has a MOVE of 1.

• Pagurus armatus must be played next to at least one OCEAN TERRAIN neighbour.

Eurasian Coot
Fulica atra

When food is lacking, Fulica atra adults may kill their young to lessen the competitive pressure.

Gray Wolf
Canis lupus

Highly territorial, Canis lupus packs defend their territory through scent marking, howling, and direct attacks.

Home Card
House

• This is a HOME card. The game starts with each player having a HOME card played on the table next to each other.

• HOME cards represent all TERRAIN and CLIMATE values.
Migration
Event card

**PLAY:** on 1 SPECIES card of any TERRAIN. This card has an immediate effect.

**EFFECT:** The affected SPECIES card AS WELL AS adjacent cards (under the player's control) can all MOVE: this together will count as a single action. Discard EVENT card after use.

Image by Aimee Lockwood
lilaims.deviantart.com/

Blackberry
Rubus ursinus

**7**

**4 POINTS**

- Rubus ursinus has a SPREAD of 1. (Requires an HERBIVORE or OMNIVORE).
- Rubus ursinus should not be confused with the popular handheld device.

Image by Agans
kj-unleashed.deviantart.com/

Bull Kelp
Nereocystis luetkeana

**5**

**5 POINTS**

- Nereocystis luetkeana has a SPREAD of 1.
- Nereocystis luetkeana most likely gets its common name from its similarity to a bull-whip.

Image by Coral Cargill
bluecnidaria.deviantart.com

Blackeyed Susan
Rudbeckia hirta

**5**

**4 POINTS**

- Rudbeckia hirta has a SPREAD of 1 (Requires a POLLINATOR).
- This is the official state flower of Maryland.

Image by Coral Cargill
bluecnidaria.deviantart.com

Overpopulation
Event card

**PLAY:** on 1 SPECIES card of FOODCHAIN 2 or higher (on any TERRAIN).

**EFFECT:** Any SPECIES card that is the "diet" of the played card is immediately discarded.

Image by Catherine Fielder
hikid3.deviantart.com/

North American Beaver
Castor canadensis

**6**

**5 POINTS**

- Castor canadensis has a MOVE of 2.
- Castor canadensis is a national symbol for Canada.

Image by 4:3am Smith
ruptled.deviantart.com/
Big-rooted Morning Glory
*Ipomoea pandurata*

- *Ipomoea pandurata* has a **SPREAD** of 1. (Requires a **POLLINATOR**)
- The seeds of this species are incredibly hairy.

Image by Coral Cargill
bluecnidaria.deviantart.com/

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Paper Birch
*Betula papyrifera*

- *Betula papyrifera* has a **SPREAD** of 1 (requires **WIND**).
- The relatively soft, whitish wood is used extensively for such items as clothespins, spools, ice cream sticks, and toothpicks, as well as for pulpwood for paper.

Image by Arla Sterling
www.studioswash.com/

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Sunflower
*Helianthus annuus*

- *Helianthus annuus* has a **SPREAD** of 1 (requires a **POLLINATOR**)

Image by Lamorien
lamorien.deviantart.com/

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Monarch Butterfly
*Danaus plexippus*

- *Danaus plexippus* has a **MOVE** of 2.
- *Danaus plexippus* is considered a **POLLINATOR**.

Image by Lamorien
lamorien.deviantart.com/

---

Seven-spot Ladybird
*Coccinella septempunctata*

- *Coccinella septempunctata* has a **MOVE** of 2, and can feed on creatures of **SCALE** 4 or less.
- *Coccinella septempunctata* is considered to be an **INVASIVE** species of *Insecta* cards of identical scale, as well as a **POLLINATOR**.

Image by Louise van Wyk
babyclementine.deviantart.com/

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Fox-tail Feather Moss
*Thamnobryum alopecurum*

- *Thamnobryum alopecurum* has a **SPREAD** of 1/2 (1 per 2 turns).

Image by Ernst Haeckel
en.wikipedia.org/wiki/File:Haeckel_Muscinae.jpg

---
Common House Mouse
Mus musculus

- Mus musculus has a **MOVE** of 2.

Mus musculus is considered a human **COMMENSAL** and can be played individually or under a homo sapiens card.

Image by Sarah Stringhalla
saraquarelle.deviantart.com/

Oil Spill
Event Card

- **PLAY**: on 1 **SPECIES** card.

**EFFECT**: The played **SPECIES** card is discarded. All neighbouring species cards still adjacent to the **EVENT** after 1 turn will also need to be discarded.

Image by Stephanie Tan
wickenmike.east.deviantart.com/

Pacific Dogwood
Cornus nuttallii

- Cornus nuttallii has a **SPREAD** of 1 (requires **POLLINATOR**).

Image by Jesse Kempton
darkconofman.deviantart.com/

Common Raven
Corvus corax

- Corvus corax has a **FLIGHT** of 2.

- Corvus corax can inhabit any landbased terrain

Corvus corax is deemed to be highly intelligent.

Image by Jesse Kempton
darkconofman.deviantart.com/

Red-winged Blackbird
Agelaius phoeniceus

- Agelaius phoeniceus has a **FLIGHT** of 2.

Agelaius phoeniceus is sexually dimorphic; the male is all black with a red shoulder and yellow wing bar, while the female is a nondescript dark brown.

Image by Rachel Caauwe
tahnvivrie.deviantart.com/

Bold Jumping Spider
Phidippus audax

- Phidippus audax has a **MOVE** of 2, and can feed on creatures of **SCALE** 4 or less.

"These spiders have been known to jump up to 50 times their own body length.

Image by Andrew K. Gott
www.agott.com/

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Animalia, Chordata, Mammalia

4 POINTS

- **Species**: Mus musculus

- **Species**: Agelaius phoeniceus

- **Species**: Phidippus audax

---

Plantae, Angiosperms, Buxiales

5 POINTS

- **Species**: Cornus nuttallii

---

Animalia, Chordata, Aves

2 POINTS

- **Species**: Corvus corax

---

Animalia, Chordata, Aves

3 POINTS

- **Species**: Agelaius phoeniceus

---

Animalia, Arthropoda, Arachnida

8 POINTS

- **Species**: Phidippus audax
**Bull Thistle**  
*Cirsium vulgare*  
2 POINTS  
- *Cirsium vulgare* has a **SPREAD** of 1 (requires a **POLLINATOR**).  
- *Cirsium vulgare* is considered to be an **INVASIVE** species of Plantae cards of 6/7 scale.

**Indian Plum**  
*Oemleria cerasiformis*  
4 POINTS  
- *Oemleria cerasiformis* has a **SPREAD** of 1 (requires a **POLLINATOR**).  
- "Its twigs can be chewed as a mild anesthetic and aphrodisiac."

**Black Carpenter Ant**  
*Camponotus pennsylvanicus*  
4 POINTS  
- *C. pennsylvanicus* have a **MOVE** of 2.  
- *C. pennsylvanicus* can feed on creatures of **SCALE** 5 or less.  
- *C. pennsylvanicus* can also thrive in **URBAN** habitats.  
- This image depicts a worker.

**Home Card**  
*Apartment*  
- This is a **HOME** card. The game starts with each player having a **HOME** card played on the table next to each other.  
- **HOME** cards represent all **TERRAIN** and **CLIMATE** values.

**Valley Oak**  
*Quercus lobata*  
5 POINTS  
- *Quercus lobata* has a **SPREAD** of 1 (requires a **WIND** card).  
- *Quercus lobata* is the largest of all oak trees in North America, often with trunks 7 feet in diameter, and heights of over 100 feet.

**Drought**  
*Event Card*  
- **PLAY:** on 1 **SPECIES** cards, with land based **TERRAIN**.  
- **EFFECT:** Convert to **DESERT** terrain for 1 turn. Discard played **SPECIES** that are incompatible.
Habitat Loss
Event Card

PLAY: on 1 SPECIES card on any land based TERRAIN.

EFFECT: Convert to URBAN terrain permanently. Discard played SPECIES that are incompatible.

Image by A. L. Radeck
aradeck.daportfolio.com/

Cold, Cool, Warm, Hot

Cold Snap
Event Card

PLAY: on 1 SPECIES card.

EFFECT: Convert to COLD climate for 1 turn. Discard played SPECIES that are incompatible.

Image by J E Kennedy
wingedsonar.deviantart.com

Cold

Wildfire
Event Card

PLAY: on 1 Plantae SPECIES card with Forest or Grassland TERRAIN.

EFFECT: The played SPECIES card is discarded.

Image by Matt Brown
www.mattbrownart.com/

Tsunami
Event Card

PLAY: on 1 SPECIES card, that is neighbouring an OCEAN card.

EFFECT: Convert to OCEAN terrain for 1 turn. Discard played SPECIES that are incompatible. Note that species capable of FLIGHT are exempt.

Image by Devin Young
logic-bomb42.deviantart.com/

European Starling
Slurrnus vulgaris

1 POINTS

• Slurrnus Vulgaris has a FLIGHT of 2.
• S. Vulgaris is considered to be an INVASIVE species of Aves cards of identical scale and food chain rank.
• These birds are known to gather in huge flocks (estimates as large as 1 million birds!)

Image by Tricia Arnold
babbletrish.blogspot.com/

Rock Pigeon
Columba livia

2 POINTS

• Columba livia has a FLIGHT of 3.
• Columba livia is considered to be an INVASIVE species of Aves cards of identical scale and food chain rank.

Image by Randy Laybourne
lookforwardtothepast.com

Cold, Warm
<table>
<thead>
<tr>
<th>Animal</th>
<th>Scientific Name</th>
<th>Points</th>
<th>Subphylum, Phylum, Kingdom</th>
<th>Image Source</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>House Sparrow</strong></td>
<td><em>Passer domesticus</em></td>
<td>5</td>
<td>Animalia, Chordata, Aves</td>
<td><img src="image" alt="House Sparrow" /></td>
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<td><strong>2 POINTS</strong></td>
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<td>• <em>Passer domesticus</em> has a <strong>FLIGHT</strong> of 2.</td>
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<td>• <em>Passer domesticus</em> is considered to be an <strong>INVASIVE</strong> species of Aves cards of identical scale and food chain rank.</td>
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<td></td>
<td>Image by Tricia Arnold babbletrish.blogspot.com</td>
</tr>
<tr>
<td><strong>Trembling Aspen</strong></td>
<td><em>Populus tremuloides</em></td>
<td>9</td>
<td>Plantae, Magnoliophyta, Magnoliopsida</td>
<td><img src="image" alt="Trembling Aspen" /></td>
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<td><strong>5 POINTS</strong></td>
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<td></td>
<td>• <em>Populus tremuloides</em> has a <strong>SPREAD</strong> of 1.</td>
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<td></td>
<td>One P. tremuloides colony (a community of trees from the same original tree), named <strong>Pando</strong>, is sometimes considered the heaviest and oldest living organism.</td>
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<td>Image by MaricosaEnsimismada flickr.com/photos/47859154@N02/</td>
</tr>
<tr>
<td><strong>Policeman’s Helmet</strong></td>
<td><em>Impatiens glandulifera</em></td>
<td>5</td>
<td>Plantae, Ericales</td>
<td><img src="image" alt="Policeman’s Helmet" /></td>
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<td></td>
<td>• <em>I. glandulifera</em> has a <strong>SPREAD</strong> of 1 (requires a <strong>POLLINATOR</strong>).</td>
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<td><em>I. glandulifera</em> is considered to be an <strong>INVASIVE</strong> species of Plantae cards of identical scale and food chain rank.</td>
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<td>Image by Derek Tan <a href="http://www.botany.ubc.ca/derek">www.botany.ubc.ca/derek</a></td>
</tr>
<tr>
<td><strong>Winter Wren</strong></td>
<td><em>Troglodytes troglodytes</em></td>
<td>5</td>
<td>Animalia, Chordata, Aves</td>
<td><img src="image" alt="Winter Wren" /></td>
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<td><strong>4 POINTS</strong></td>
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<td>• <em>Troglodytes troglodytes</em> has a <strong>FLIGHT</strong> of 2.</td>
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<td>Image by Gaynor Fox phylogame.org</td>
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<tr>
<td><strong>European Honey Bee</strong></td>
<td><em>Apis mellifera</em></td>
<td>4</td>
<td>Animalia, Arthropoda, Insecta</td>
<td><img src="image" alt="European Honey Bee" /></td>
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<td>• <em>Apis mellifera</em> has a <strong>MOVE</strong> of 2</td>
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<td>• <em>Apis mellifera</em> is considered a <strong>POLLINATOR</strong>.</td>
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<td>The image depicts a worker.</td>
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<td>Image by Kirko Moth kirko-moth.com</td>
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<tr>
<td><strong>Red Fox</strong></td>
<td><em>Vulpes vulpes</em></td>
<td>6</td>
<td>Animalia, Chordata, Mammalia</td>
<td><img src="image" alt="Red Fox" /></td>
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<td><strong>3 POINTS</strong></td>
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<td></td>
<td>• <em>Vulpes vulpes</em> has a <strong>MOVE</strong> of 2.</td>
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<td></td>
<td>• <em>Vulpes vulpes</em> is also capable of surviving in <strong>URBAN</strong> habitats.</td>
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<td>Image by Eve Willoughby mixoulette.etsy.com</td>
</tr>
</tbody>
</table>
**Striped Skunk**
*Mephitis mephitis*

- **Move**: 2
- Mephitis mephitis can emit a highly unpleasant odor, and can also do cartwheels - sometimes at the same time!

**Raccoon**
*Procyon lotor*

- **Move**: 2
- Procyon lotor is also considered to be an INVASIVE species of Mammalia cards of identical scale and food chain rank.

**Western Red Cedar**
*Thuja plicata*

- **Spread**: 1 (requires a Wind card)

**Flood!**
*Event Card*

- **Play**: on 1 Species card of any land based Terrain.
- **Effect**: Convert to Freshwater terrain for 1 turns. Discard played Species that is incompatible.

**Nootka Rose**
*Rosa nutkana*

- **Spread**: 1 (requires a Pollinator)

**Ruby-Throated Hummingbird**
*Archilochus colubris*

- **Flight**: 2

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**Animalia**, **Chordata**, **Mammalia**

**Plantae**, **Magnoliophyta**, **Magnoliopsida**

**Animalia**, **Chordata**, **Aves**
Atlantic Horseshoe Crab
Limulus polyphemus

- Limulus polyphemus has a **MOVE** of 2.
- Limulus polyphemus must be played next to at least one **LAND TERRAIN** neighbour.

Image by 5bodyblade
5bodyblade.deviantart.com

Harbor Seal
Phoca vitulina

- Phoca vitulina has a **MOVE** of 2.
- Phoca vitulina must be played next to at least one **OCEAN TERRAIN** neighbour.

Cool, Warm
Image by Randy Livbourne
lookforwardtothepast.com

Caulerpa peltata

- Caulerpa peltata has a **SPREAD** of 1/2 (1 per 2 turns).

Image by Ernst Haeckel
collections.wikimedia.org/wiki/Kunstformen_der_Natur
Vishal Bhave
environmental-hazard.deviantart.com

Escherichia coli

- Escherichia coli has a **SPREAD** of 1.
- Escherichia coli can be placed with any **TERRAIN**.

Image by environmental-hazard
environmental-hazard.deviantart.com

Northern Blue Fin Tuna
Thunnus thynnus

- Thunnus thynnus has a **MOVE** of 3.

"Female bluefin are thought to produce up to 40 million eggs."

Image by Dan Deibler
www.flickr.com/photos/tunamatrix
Eric Engbretson (USFWS)

Rainbow Trout
Oncorhynchus mykiss

- Oncorhynchus mykiss has a **MOVE** of 3.
- Oncorhynchus mykiss can also feed on Plankton.

Image by Tiffany Milds
tiffanysketchblog.blogspot.com