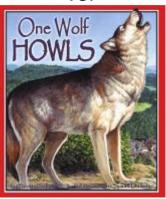
Teaching Activities

for



Questions	s to ask before & after reading the book	2
	Questions to ask before reading the book	
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	 After reading the book – writing prompts & thinking it through 	
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Teaching Activities are intended for use at home, in the classroom, and during story-times. Copyright © 2009 by Arbordale Publishing, formerly Sylvan Dell Publishing

Questions to ask children before reading the book

- What do you think the book is about by looking at the cover (or one or two of the inside illustrations)? Sometimes it is easy to tell from the cover, other times it is not.
- What does the cover illustration show?
- Why do you think the wolf is howling?

What do children already know?

- Young children are naturally inquisitive and are sponges for information. The whole purpose
 of this activity is to help children verify the information they know (or think they know) and to
 get them thinking "beyond the box" about a particular subject.
- The children should write down their "concepts" (or adults for them if the children are not yet writing) on the provided chart found on the next page.
- Use the questions to get children thinking about what they already know. Feel free to add more questions or thoughts according to the child(ren) involved.

What do children already know—activity chart

Ask children to write down what they think they know before reading the book. If the information is verified while reading the book, they check "yes." If the information is wrong, they mark "no" and cross it off, then write the correct information. Have the children note how the information was verified.

What do I think I know?	Yes	No	<u>Verified</u>
Why do wolves howl?			Text Illustration Info in FCM Other
At what time of year (season) are wolf pups born?			Text Illustration Info in FCM Other
What do the newborn pups eat for their first few weeks?			Text Illustration Info in FCM Other
What do adult wolves eat?			Text Illustration Info in FCM Other
What is a group of wolves called?			Text Illustration Info in FCM Other
To what common pet are wolves related?			Text Illustration Info in FCM Other

Use this chart for any other thoughts the children might have.

What do I think I know?	Yes Yes	No	Verified
	1.00	110	Text Illustration Info in FCM Other
			Text Illustration Info in FCM Other
			Text Illustration Info in FCM Other
			Text Illustration Info in FCM Other
			Text Illustration Info in FCM Other
			Text Illustration Info in FCM Other
			Text Illustration Info in FCM Other
			Text Illustration Info in FCM Other

After reading the book – writing prompts & thinking it through

- Did the cover "tell" you what the book was about?
- If not, how does the illustration on the front relate to the story?
- Draw your own cover.
- Write a song.
- Can you think of another title for the book?
- What are some of the other animals that the illustrator added to the book that were not mentioned in the text?
- Why do you think the illustrator added extra animals?

What do children already know—activity conclusion

- Do the children have any more questions about wolves? If so, write them down on the chart.
- Identify whether the information was verified and how.
- If the concept is correct, make a note of how the information was confirmed (illustration, in text, or the "For Creative Minds" section)
- If the concept was not correct, what IS the correct information with confirmation notes as above.
- If the concept was neither confirmed nor denied, look the information up in a reliable source and note where it was confirmed.
- Wrap it all up by adding notes with new information that the children learned either through the reading or the research while looking up something else.

Language Arts

Developing a vocabulary "word wall"

If using the book as a way to introduce a topic or subject, this is also a great way to introduce subject-related vocabulary words. If you don't have the time (or the inclination) to develop the "word wall" by playing the Vocabulary Game (below), we have provided a vocabulary list for you.

Vocabulary words for the "word wall" may be written on index cards, on a poster board, or on a chalk board. If writing on poster board or chalk board, you might want to sort into nouns, verbs, etc. right away to save a step later. Leaving the words posted (even on a refrigerator at home) allows the children to see and think about them frequently.

Vocabulary game

This activity is designed to get children thinking of vocabulary words which will then be used as the beginning vocabulary list for a science lesson.

Select an illustration and give children a specific length of time (five minutes?) to write down all the words they can think of about the particular subject. If you do not have classroom sets of the book, it is helpful to project an illustration on a white board. Check our website (www.ArbordalePublishing.com) for book "previews" that may be used for this purpose.

The children's word list should include anything and everything that comes to mind, including nouns, verbs, and adjectives. At the end of the time period, have each child take turns reading a word from his/her list. If anyone else has the word, the reader does nothing. If however, the reader is the only one with the word, he/she should circle it. While reading the list, one person should write the word on a flashcard or large index card and post it on a bulletin board or wall.

At the end, the child with the most words circled "wins." And you have a start to your science vocabulary list. Note if a child uses an incorrect word, this is a good time to explain the proper word or the proper usage.

Putting it all together

The following activities may be done all together or over a period of several days.

- Continue to add words to the vocabulary list as children think of them.
- Sort vocabulary words into nouns, verbs, adjectives, etc. and write what they are on the backs of the cards. When the cards are turned over, all you will see is "noun," etc. (These can then be used to create silly sentences, below.)
- Now sort the vocabulary words into more specific categories. For example, nouns can be
 divided into plants, animals, rocks, minerals, etc. They can be divided into living/non-living, or
 into habitat-related words.
- Have children create sentences using their vocabulary words. Each sentence could be written on a separate slip of paper.
- Have children (individually or in small groups) sort and put sentences into informative paragraphs or a story.
- Edit and re-write paragraphs into one informative paper or a story.



Suggested vocabulary list

<u>months</u>	numbers	nouns	<u>verbs</u>	<u>adjectives</u>
January	one	alpha	born	black
February	two	bounty	communicate	brown
March	three	canine	drink	gray
April	four	carnivore	eat	red
May	five	den	howl	
June	six	dogs	hunt	
July	seven	endangered	mark	
August	eight	hunt	play	
September	nine	mammal	snow	
October	ten	milk	submit	
November	eleven	mother		
December	twelve	pack		
		predator		
		prey		
		pup		
		spring		
		territory		
		wolves		

Wolf Vocabulary

The leader of the pack. There can be an alpha male and female. Alpha Beta The second "in command" of the pack that could be male or female.

Money paid by territories, state or federal governments for wolf skins; used to

Bounty encourage people to kill wolves.

Carnivore An animal that eats meat.

Den A cave or small shelter to protect the female wolf and her pups.

Dominant Having power, control and privilege over others within a social hierarchy.

All of the pups born to a female wolf at one time. Litter Pack A group of wolves that live and work together.

Predator An animal that eats other animals.

Prey An animal that is eaten by another animal.

The area where a wolf pack lives. They will guard their territory from other **Territory**

wolves.



Silly sentence structure activity

This is a fun activity that develops both an understanding of sentence structure and the science subject. Use words from the "word wall" to fill in the blanks. After completing silly sentences for fun, have children try to fill in the proper words by looking for the information in the book.

Wolves	to let others know where they are and to
	for other wolves.
They also howl at the beg	nning of a and then again
at the end to gather togeth like to!	ner. Sometimes they howl just because they
	s. They are boths.
They live in social groups	calleds.
s are usua	ly in the spring.
Like us, they are	s and the pups
milk from their	for their first few weeks of life.
Wolves are	ed.



Word search

Find the hidden words. Even non-reading children can try to match letters to letters to find the words! Easy – words go up to down or left to right.

For older children, identify the coordinates of the first letter in each word (number, letter).

	Α	В	С	D	Е	F	G	Н		J
1	L	Α	D	0	Υ	G	0	Ζ	Ш	Р
2		Η	G	S	Ρ	Α	┙	Ρ	Ι	Α
3	Т	Е	R	R	- 1	Т	0	R	Υ	С
4	Т	В	Α	Ш	Η	Е	Α	Ш	W	K
5	Е	S	Υ	D		S	Α	D	0	G
6	R	0	Α	М	Α	М	М	Α	L	K
7	G	Ι	0	W	L	0	Ζ	Т	F	I
8	R	J	Z	D	L	W	D	0	Υ	S
9	Е	Ν	D	Α	Ν	G	Ш	R	Е	D
10	Υ	Η	Ш	X		G	Z	0	S	0
					ER I AY					



Are they really big & bad?

There are lots of stories that make wolves seem evil. Little Red Riding Hood, Peter and the Wolf, The Boy Who Cried Wolf, and The Three Little Pigs are just some of those stories. Then there are stories about werewolves. Can you think of any other stories that make wolves look mean or evil?

On the other hand, stories like *The Jungle Book* show wolf packs as loving enough to adopt and raise an abandoned human child. It is even said that Romulus and Remus, the founders of Rome, were raised by a wolf pack.

Native Americans use wolf symbols to mean great hunter, family unity (as in the wolf pack) and strength. The wolf totem represents intelligence and loyalty.

Look at the wolf sayings listed below and determine if the saying indicates the thought of wolves being good or evil. Can you explain your reasons? Where do you think the sayings came from?

Don't cry wolf.

Keep the wolf from the door.

A wolf in sheep's clothing.

"For the strength of the Pack is the Wolf, and the strength of the Wolf is the Pack." - Rudyard Kipling

The wolf huffed and he puffed and he blew the house down.

He wolfed down his food.

Fear makes the wolf bigger than he is.

The more wolves, the less sheep.

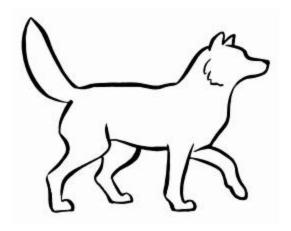
Listen to the music from *Peter and the Wolf*. How does the music that represents the wolf make you feel?

Science Adaptations: Physical and Behavioral

Adaptations help animals to live in their habitat: to get food and water, to protect themselves from predators, to survive weather, and even to help them make their homes. The following is not a complete list by any means, but should help

- Physical Adaptations:
 - o body parts
 - teeth depend on type of food it eats
 - feet, flippers, fins ability to move
 - placement of eyes
 - how does it get oxygen (gills, lungs, osmosis)
 - body covering & insulation
 - hair
 - feathers
 - fur
 - scales
 - blubber
 - Camouflage
 - color of skin or pattern to blend into background.
 - mimicry: pretending to be something else to fool predators
- Behaviors
 - o instinct: behaviors or traits that the animals are born with
 - learned behavior: traits that animals learn to improve their chances of survival or to make their life easier
 - o social groups versus solitary living
 - o communication with other animals
 - o defense/camouflage
 - o reaction to cycles (day/night, seasons, tides, etc.)
 - o migration: the seasonal movement of animals from one location to another
 - hibernation: a long, deep sleep in which the animal's breathing and heartbeat are slower than usual.

Try to answer the adaptation questions for wolves on the following pages.





Gray Wolf

Have you ever seen one of these animals in real life? yes no
If so, where did you see it?
What are the babies called?
How are the animals born?hatched from eggs born alive
How many brothers and sisters might be born at the same time?
How big is the baby (length, height, weight, etc.) when born?
Who raises the young:both parentsmother onlyfather only
neither parent – the baby survives on pure instinct
What does the baby eat and for how long?
How long will the babies stay with the parent (if parents are involved)? When is the "baby" considered an adult? Describe a wolf den
Some animals are only born at specific times of the year (to coincide with food availability). This baby
is born: anytime of the year or usually in the month of or the
season of

To what animal class does it belong? circle the answer:

sponges

Vertebrate:

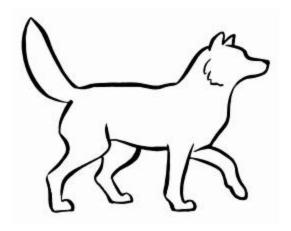
mammal

fish

	bird reptile amphibian	flatworms segmented worm echinoderms	roundworms cnidarian	
In what type	e of habitat and eco	system does this animal live?		
How does it	move and what pa	rts of its body does it use to m	ove?	
What are so	ome of the behavior	s that were discussed in the s	tory?	
How does it	see?			
How does it	hear?			
What does i	t eat?			
Are its teeth	pointed and sharp	or flat and blunt? Why?		
How does it	get its food?			
Does it live	alone or with a grou	.p?		
How does it	"communicate" wit	h others of its kind?		
How does it	sleep?			
When does	it sleep?		<u> </u>	
		?		

Invertebrate: arthropod (insects, crustaceans & arachnids)

mollusk





Red Wolf

Have you ever seen one of these animals in real life? yes no
If so, where did you see it?
What are the babies called?
How are the animals born?hatched from eggs born alive
How many brothers and sisters might be born at the same time?
How big is the baby (length, height, weight, etc.) when born?
Who raises the young:both parentsmother onlyfather only
neither parent – the baby survives on pure instinct
What does the baby eat and for how long?
How long will the babies stay with the parent (if parents are involved)? When is the "baby" considered an adult? Describe a wolf den
Some animals are only born at specific times of the year (to coincide with food availability). This baby
is born: anytime of the year or usually in the month of or the
season of

To what animal class does it belong? circle the answer:

sponges

Vertebrate:

mammal

fish

	bird reptile amphibian	flatworms segmented worm echinoderms	roundworms cnidarian			
In what type o	n what type of habitat and ecosystem does this animal live?					
		rts of its body does it use to m				
What are som	e of the behavior	s that were discussed in the s	tory?			
How does it se	ee?					
How does it he	ear?					
What does it e	eat?					
Are its teeth po	ointed and sharp	or flat and blunt? Why?				
How does it go						
	one or with a grou	up?				
How does it "c	ommunicate" wit	h others of its kind?				
How does it sl	eep?					
When does it	sleep?					
Is food easily a	available all year	?				

Invertebrate: arthropod (insects, crustaceans & arachnids)

mollusk

Learned or Inherited?

Behavior that is taught; by observation, practicing, or experimenting.

Inherited behavior: Behavior received from parents and ancestors through genetics, instinct; they are born knowing it.

See if you can figure out if the animal behavior is learned or inherited:

animal behavior learned inherited

A dog barks, a cat meows, a duck quacks.

A dog sits when told to.

A human baby cries.

A distribution of the last

Animals migrate (birds, butterflies, whales)

People smile or dogs wag tails when happy.

Animals mark their territory (scratching, urinating, etc.)

Birds build nests.

Learned behavior:

A human can read.

A puffer fish puffs up to protect itself.

A child rides a bike.

A human speaks a language (English, Spanish, etc.).

A beaver cuts down trees.

Cats quietly sneak up on prey.

What are some learned or inherited wolf behaviors?

	Inherited
-	
-	
-	
-	
-	
_	
-	
-	
-	
-	
<u>-</u>	

IN DANGER!

Endangered A plant or animal that is in danger of becoming extinct.

Extinct No longer found anywhere on Earth; completely disappeared.

Threatened A plant or animal that may become endangered in the near future.

Species of Concern or Monitored A species that is being watched for possible listing. There is no legal protection for this level.

State protected An individual state's declaration of protection

Sustainable Able to sustain a population

Watch List A species being observed for possible listing as threatened or endangered

Causes of plants and animals in danger:

- Changing habitat
 - Habitat destruction due to development, roads, agriculture, etc.
 - Loss of nesting areas
- Over fishing or hunting
 - Advanced technology allows fishermen to see where the fish are, increasing their catch—sometimes beyond what is sustainable
 - Some animals were hunted on purpose, due to fear such as wolves
- Pollution
 - Including fertilizer and chemicals
 - Run-off from construction and development
 - Animals may eat garbage "thinking" that it is food (i.e. plastic bags being mistaken for iellyfish)
 - Animals get trapped in garbage
- Missing link in the food chain due to another extinction

What were some of the reasons that wolves became endangered?				
	-			
When the wolves disappeared, what happened	d to the herds of their prey (elk,	moose, etc.)?		

And what happened to the smaller animals that rely on those	plants?		
The Great Wolf Deb	pate		
The decision to reintroduce wolves to some areas doesn't ma people who live in the area where wolves are being reintroduc their livestock, pets, or could even attack small children. Look whether you think the speaker wants wolves reintroduced to the	ced are worried to at the following	that the wolves	will kill
	In favor	Opposed	Both
I love hearing the howls at night!			
I found one of my cows killed by a wolf.			
I'm afraid to let my children play in the woods.			
There aren't as many moose or elk as there used to be.			
·			
·			
Wolves keep the natural balance of the food web. I had to build fences to keep the wolves from the sheep.			
Wolves keep the natural balance of the food web.			

Science journal

Have children draw a picture to define the vocabulary word or concept.

canine		
pack		
Wolves howl to:		

Wolves use their eyes to:	
Wolves use body language to:	
Alpha wolf	

Math

The author uses numbers and months as a way to show what the wolves do throughout a single year. Sometimes we use a number to represent a month when we write dates. For example, 9/11 represents September 11th or 7/4 represents July 4th. Match the month to the number:

JANUARY	6
FEBRUARY	5
MARCH	4
APRIL	3
MAY	2
JUNE	1
JULY	12
AUGUST	11
SEPTEMBER	10
OCTOBER	9
NOVEMBER	8
DECEMBER	7

Can you write your birthday using only numbers?

Make your own calendar

Use the calendar templates on the following pages to make your own calendar for one year or for one month.

Use the chart below to figure out on what day the month starts and then how many days are in that particular month. Write the individual date numbers in the appropriate square.

	Days in First Day of Month							
	Month	2009	2010	2011	2012	2013	2014	2015
January	31	Thurs	Fri	Sat	Sun	Tues	Wed	Thurs
February	28/29*	Sun	Mon	Tues	Wed*	Fri	Sat	Sun
March	31	Sun	Mon	Tues	Thurs	Fri	Sat	Sun
April	30	Wed	Thurs	Fri	Sun	Mon	Tues	Wed
May	31	Fri	Sat	Sun	Tues	Wed	Thurs	Fri
June	30	Mon	Tues	Wed	Fri	Sat	Sun	Mon
July	31	Wed	Thurs	Fri	Sun	Mon	Tues	Wed
August	31	Sat	Sun	Mon	Wed	Thurs	Fri	Sat
September	30	Tues	Wed	Thurs	Sat	Sun	Mon	Tues
October	31	Thurs	Fri	Sat	Mon	Tues	Wed	Thurs
November	30	Sun	Mon	Tues	Thurs	Fri	Sat	Sun
December	31	Tues	Wed	Thurs	Sat	Sun	Mon	Tues

^{*} Every year that is divisible by four is a leap year and has 29 days in February. Of those years, if it can be divided by 100, it is NOT a leap year, UNLESS the year is divisible by 400-then it IS a leap year.

Add the holidays that you want to remember. Don't forget your birthdays!

	Holidays	
January	New Year's Day	January 1st.
January	Martin Luther King Jr.	third Monday in January.
January	Inauguration Day	January 20th every four years (2009, 2013, 2017)
February	President's Day	third Monday in February
February	Groundhog Day	February 2.
February	Valentine's Day	February 14.
February	Washington's Birthday	February 22.
March	St. Patrick's Day	March 17.
March	Daylight Savings Spring Forward	second Sunday in March
Spring	Arbor Day	varies by state
		quick rule of thumb is that it falls
Spring	Easter	on the first Sunday after the full moon that occurs next after the
		vernal (spring) equinox
April	April Fool's Day	April 1.
April	Earth Day	April 22.
May	Armed Forces Day	third Saturday in May.
May	Memorial Day	last Monday in May
May	Mothers' Day	second Sunday in May
May	Cinco de Mayo	May 5.
June	Flag Day	June 14th.
June	Fathers' Day	third Sunday in June
July	Independence Day	July 4.
September	Labor Day	first Monday in September.
September	Grandparents' Day	Sunday after Labor Day
Fall	Jewish holidays	fixed according to the Jewish calendar.
October	Columbus Day	second Monday in October
October	Halloween	October 31.
November	Election Day	Tuesday on or after November 2.
November	Veterans Day	November 11th
November	Thanksgiving Day	fourth Thursday in November.
November	Daylight Savings Fall Back	first Sunday in November
December	Christmas Day	December 25th.
December	Kwanzaa	December 26 th to January 1 st .

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If desired, add the first day of each season according to the following chart.

First Day of Season based on Equinox or Solstice								
	Spring	Summer	Autumn	Winter				
year	March	June	September	December				
2009	20	21	22	21				
2010	20	21	23	21				
2011	20	21	23	22				
2012	20	20	22	21				
2013	20	21	22	21				
2014	20	21	23	21				
2015	20	21	23	22				

You can even add the full moons!

Full Moons									
	2009	2010	2011	2012	2013	2014	2015		
January	9	30	19	9	27	16	5		
February	11	28	18	7	25	14	3		
March	9	30	19	8	27	16	5		
April	9	28	18	6	25	15	4		
May	7	27	17	6	25	14	4		
June	7	26	15	4	23	13	2		
July	6	26	15	3	22	12	2 & 31*		
August	4	24	13	2 & 31*	21	10	29		
September	4	23	12	30	19	9	28		
October	2	23	12	29	18	8	27		
November	2	21	10	28	17	6	25		
December	31	21	10	28	17	6	25		

^{*}The second full moon in a month is known as a blue moon.



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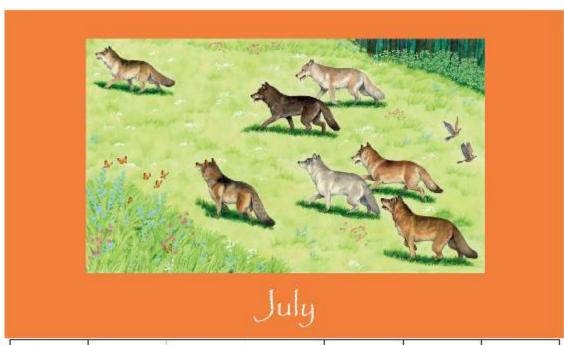
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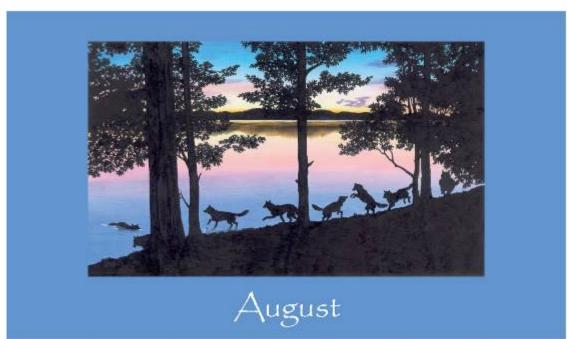
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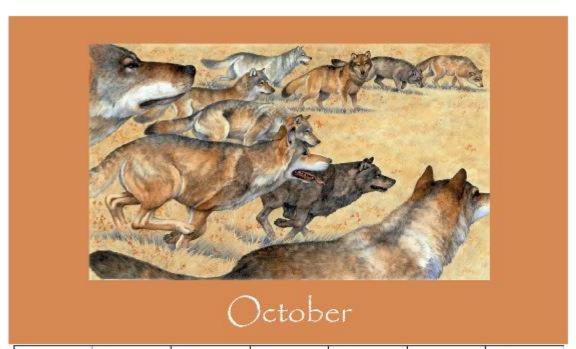
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Sunday Monday Tuesday Wednesday Thursday Friday Saturday



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Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
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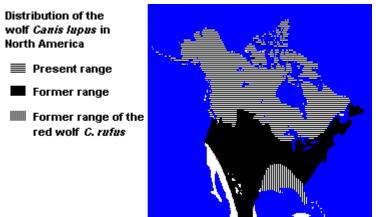


Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
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Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
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Geography – Gray Wolves



from Hinterland Who's Who: http://www.hww.ca/hww2.asp?id=107#sid14

Current Gray Wolf Range and Southwest Recovery Area



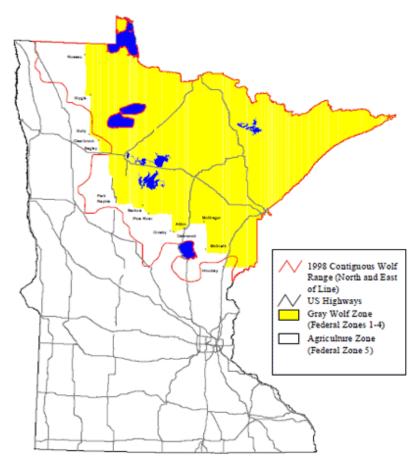
Maps from: http://www.fws.gov/midwest/wolf/population/range.htm

Year Round Gray Wolf Range in Montana (in purple)



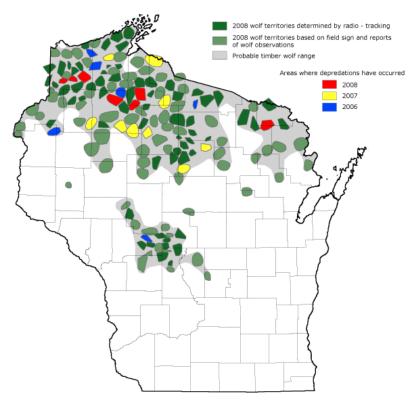
from MT Gray Wolf Field Guide: http://fieldguide.mt.gov/detail-AMAJA01030.aspx

Gray Wolf Range in Minnesota



from MN DNR: http://www.dnr.state.mn.us/mammals/wolves/mgmt.html

Wisconsin Gray Wolf Range



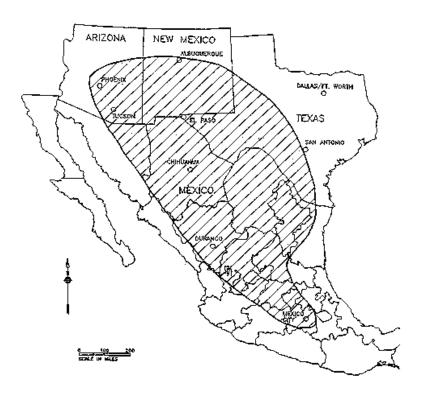
from WI DNR Gray Wolf Distribution: http://dnr.wi.gov/org/land/er/mammals/wolf/wolf_map.htm

Are gray wolves in Maine?



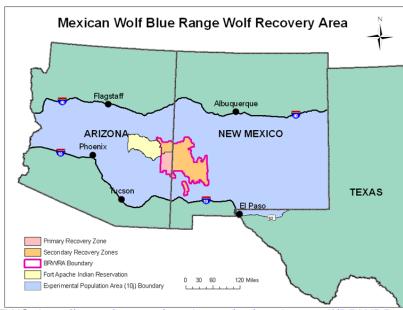
ME IFW: http://www.maine.gov/ifw/wildlife/species/endangered_species/gray_wolf/
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Mexican wolves (Los lobos)



Map B: HISTORIC RANGE OF THE MEXICAN WOLF

From Wolf Song of Alaska: http://www.wolfsongalaska.org/mexican_wolf.html



from US FWS: http://www.fws.gov/southwest/es/mexicanwolf/BRWRP_map.shtml

Red Wolves

Historic Red Wolf Range



From US FWS: http://www.redwolves.com/about_wolves/topten.html

Red wolves in North Carolina



Map Generated Oct. 22 2003

From US FWS: http://www.fws.gov/nc-es/mammal/redwolf.html

Using the maps on the previous several pages, answer the following questions about wolves:	
In what state (US or Mexican) or province do you live?	_
At any time in history, did wolves live there? yes no	
If so, what type of wolf?	-
Do wolves live in the wild there now? yes no in my state but not by me	
Why are they living in your area?	
They've always been in this area.	
They were reintroduced to this area.	
They were reintroduced to a neighboring area and have found their way here.	
They wandered back to this area by themselves.	
There are rumors that wolves may be returning but it hasn't been verified.	
One or two wolves have been verified in the area.	
If there are wild wolves living close to you, check off all that apply:	
People are happy that wolves are back because they help control the wildlife balance) .
People are afraid the wolves might attack cattle, pets, or people.	
People don't really seem to pay attention one way or the other.	

