STREETSTOCREEKS.ORG

CREEK PROTECTORS





AS YOU GET OUT AND EXPLORE MAKE SURE YOU HAVE EVERYTHING YOU'LL NEED FOR YOUR ADVENTURE! HERE ARE SOME IDEAS OF THINGS TO BRING WITH YOU:



And, don't forget to grab a buddy for extra fun and always tell an adult where you are going!

WHY CARE ABOUT STORM DRAINS AND CREEKS?

Storm drains carry away storm water and prevent flooding

Creek trails allow us to exercise and explore

Provides homes for many plants and animals

Allows water to soak underground and be cleaned

Creeks are beautiful!

CREEK PROTECTOR SCAVENGER HUNT

What symbols, signs, or clues can you spot that remind us to protect our storm drains, creeks, and rivers?

Circle the signs you find:















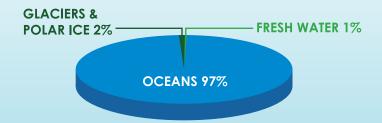


WATER=LIFE

Our Planet should have been named Planet Water instead of Planet Earth, since water covers 71% of the surface.



Only 1% of the Earth's water is available for use. The rest is either frozen, too deep in the ground, or salty ocean water that is unable to be used for drinking, manufacturing, or watering plants. That's a very small piece of the pie!



DID YOU KNOW?

There is the same amount of water on Earth right now as there was when the Earth was formed. That means the water you drink could contain molecules that dinosaurs drank!

Water regulates the Earth's temperature. It also regulates the temperature of the human body, carries nutrients and oxygen to cells, cushions joints, protects organs and tissues, and removes wastes.

Water makes up 75% of the human brain and 75% of a living tree.

Water is part of a deeply interconnected system. The pollution we pour onto the ground or release into the sky ends up in our water.

Water expands when it freezes. Frozen water (ice) is lighter than liquid water, which is why ice floats on water.

SOLVE THIS ANAGRAM TO REVEAL A SECRET MESSAGE ABOUT WATER

Α	В	C	D	Ε	F	G	Н		J	K	L	M	N	0	P	Q	R	S	T	U	٧	W	X	Y	Z
26				22				18				14				10				6			3	2	1

12 6 9 8 7 12 11 9 12 7 22 24 7



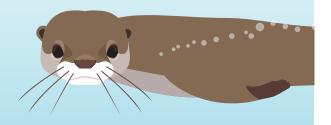
Mammals are animals covered with hair or fur. They keep a constant internal temperature even when it's hot or cold out. Mammals live on land, water and even in the air (like bats!). People are mammals!

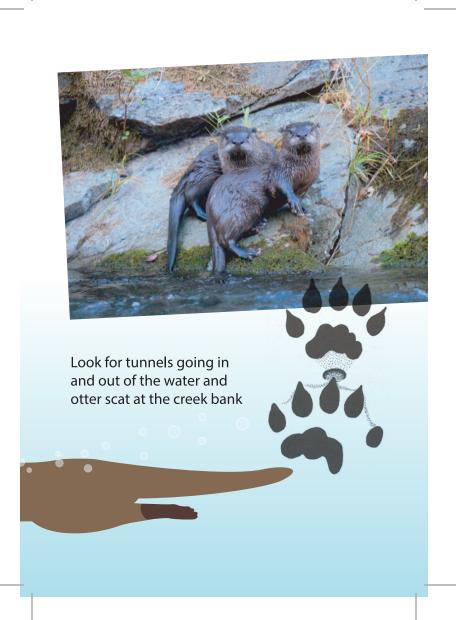
WHO LIVES IN OUR CREEKS?

SPOTLIGHT: RIVER OTTER

Fun Facts:

- A member of the weasel family
- Fats fish and crayfish
- Has long whiskers like a cat to "feel" their way through murky water





CALLING ALL CREEK PROTECTORS!

What are simple ways you can protect creeks?

1	CHECK ALL THAT APPLY	
	CONSERVE WATER	
	PROTECT STORM DRAINS BY	
	CLEANING STREETS LEAVE YOUR LEAVES IN	6
	THE STREET	
	☐ PICK UP TRASH ☐ HOSE DOWN YOUR DRIVEWAY	
	SCOOP THE POOP	
9	LEARN MORE AND TEACH OTHERS	
	IEACH OTHERS	9

The gutter along our city streets lead to storm drains that flow directly to local creeks, water, large along our city streets lead to storm drainst, oils, oils, saaps, chalk, welticle fluids (engline oil, antiffreeze, transmission fluid), and road contaminates to the storm drains. These water along our city stages to the storm drains. These can be harmful to water quality and creek habitats.

or drinking.

Leaves, in excess, introduced into the storm drain system can impact local wateways, begins light swept, raked, or placed on the ground or pavement can be carried by that encourage weed and algae growth. Overly fertile water becomes cloudy and that encourage weed and algae growth. Overly fertile water becomes cloudy and that encourage weed and algae growth. Overly fertile water becomes cloudy and that except swimming, and the system of the system

ANSWERS

SOUNDS OF THE CREEK

CLOSE YOUR EYES.
DO YOU HEAR MORE WHEN THEY ARE CLOSED?

YES or NO

CIRCLE EACH OF THE SOUNDS YOU HEAR

WIND

LEAVES RUSTLING

WATER FLOWING

BIRD SONG

INSECT

DOG BARKING

DUCK QUACKING

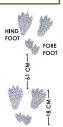
WHAT OTHER SOUNDS DID YOU HEAR?



Those big ears help concentrate sound. Try cupping your hands behind your ears and listen.

FUN FACTS:

Jackrabbits are actually hares, not rabbits. Hares are larger than rabbits, and they typically have taller hind legs and longer ears.



They can run 40 miles per hour, and can leap more than ten feet!



FUN FACTS:

Deer are browsers, meaning they like to eat leaves (not grass like grazers)

The young fawns have spots which help hide them.

Only the males have antlers ones each year. A young

which they shed and grow new ones each year. A young two-point deer is typically referred to as a forked horn or forky. Bucks with antlers less than 3 inches are called spikes, and the really small bucks are called button bucks or nubbin bucks.



western Gray Squirrel

Gray squirrels love acorns and pine seeds but they also eat insects.

FUN FACTS:

Gray squirrels are tree squirrels. Living in trees is called arboreal.

They like to travel by jumping from tree to tree instead of traveling on the ground.

They build nests called drevs with sticks and leaves. Look for them in the branches of big trees.









Raccoon leave hand-like prints in the soft mud along creeks.

FUN FACTS:

Raccoons are usually active at night. This is called nocturnal.

They are omnivores, meaning

they eat just about anything (just like people!).

The most important sense for the raccoon is its sense of touch. They often wet their paws to heighten that sense. That's why it looks like they are washing their food.







Look for muskrats swimming at the surface with their long, rat-like tail trailing behind.

FUN FACTS:

Muskrats are rodents that live in creeks and wetlands.
They can stay under water for up to 17 minutes!
They eat cattails and other aquatic plant species. This makes them an herbivore.



Their white stripes are a color pattern that warns other animals to stay away.

FUN FACTS:

Skunks eat mostly insects but they also add plants to their diet so they are omnivores (an animal that eats both plants and meat).

Scent glands are used as a chemical defense against predators.

Their smelly defense means skunks have few predators. Great horned owls are one of the few predators that can eat them.



Coyote, members of the canine family (dogs), are found throughout North America.

FUN FACTS:

They live in family groups and work together to raise young pups.

Coyotes can be heard "singing" at night to stay in touch with their families. Their

vocalizations are a series of yips, howls and barks.

They eat mainly meat but will add berries and seeds to their diet when available.



Bobcats look like overgrown house cats.

FUN FACTS:

Bobcats are carnivores, eating mostly rodents and rabbits.

They hunt at dusk. The word for that is crepuscular! In the winter they might be out during the day. That's called

diurnal. Do you know the word for being active at night?

Footprints left in the mud will not show a claw like a dog's prints does. Like all cats, bobcats retract their claws when not hunting or defending themselves.

WHAT ACTIVITIES DID YOU OBSERVE PEOPLE DOING, BOTH IN AND AROUND THE CREEK OR RIVER?

Draw people doing the activities:



WHAT ARE YOUR FAVORITE THINGS ABOUT CREEKS?

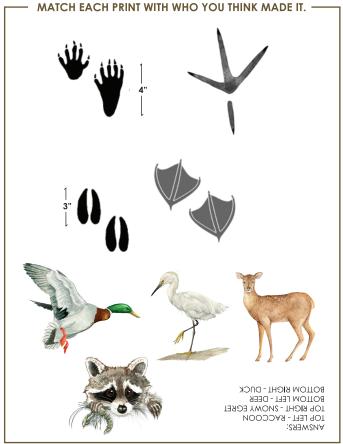
Before leaving we new for our expedition. 1 for direction for direction for direction for direction for direction for decord all of the new frail only a few block neighborhood block decal on the storm creek" and wonder place we were heast saw all sorts of thing journal were the about tree, ofter prints in the barn owl. There were	rade sure to pack all This included water, su ction, binoculars and at things we might fine arched towards our ri ks away. As we reach k we observed that the drain that said "no du ed if the storm drain in ded. When we got to s. Some of the things undance of acorns fr ne creek bank, and a e whirlgig beetles and bined stickleback fish we were head shiny caught m was my neight pipe called an drained to the explored. Only allowed down are all of ours t a great day ar	unscreen, a a field journal to d. Stepping out from learest 2 led the end of our linere was a round lumping, drains to livent to the very same let the trailhead we live noted in our loom the valley oak 3 from a d dragonflies, frogs,
	tomorrow!	
R	6	WE MENT
3	5	
	4	WORD BANK: PROTECT
		COMPASS,
9424	26 24	OUTFALL RAIN
		CREEK FEATHER
		TEATHER

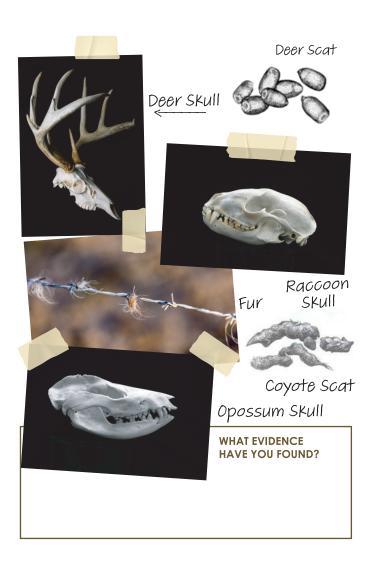
BE A WILDLIFE DETECTIVE!

Animals are often hiding or sleeping when we visit a creek.

Look for the evidence they leave behind.

LOOK FOR FOOTPRINTS IN THE SOFT MUD.





LEAF RUBBING

Make a leaf rubbing by placing a leaf under a piece of paper and gently rubbing where the leaf is with



Hint: You can use colored pencils to make a beautiful picture!

CREEK PROTECTOR

FIELD GUIDE #1 STORM DRAINS CONNECT STREETS TO CREEKS

CERTIFICATE OF ACHIEVEMENT

promise to help protect storm drains, creeks, and rivers to help preserve nature and fun activities we enjoy on the water. I will show others how small changes can make a big impact and will keep having fun exploring the outdoors.

Creeks and rivers are ours to protect!

Display your
completed field guide
to the local agency where
you live to receive your prize
while supplies last. Visit
www.streetstocreeks.org/
get-involved/
youth-creek-stewardship
for complete details
on participating
agencies.