

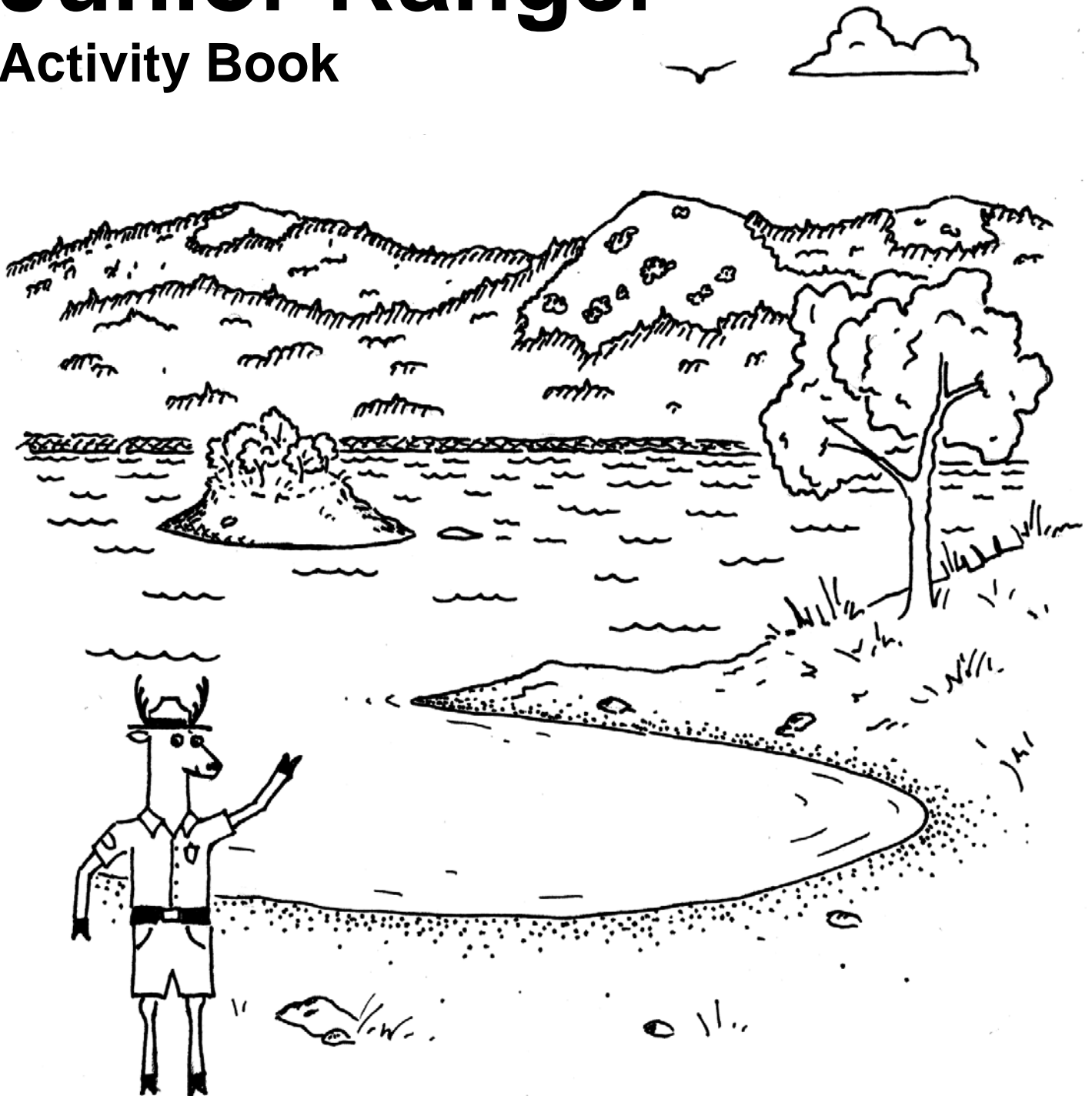
RECLAMATION

Managing Water in the West

Lake Berryessa

Junior Ranger

Activity Book



How To Become A Junior Ranger

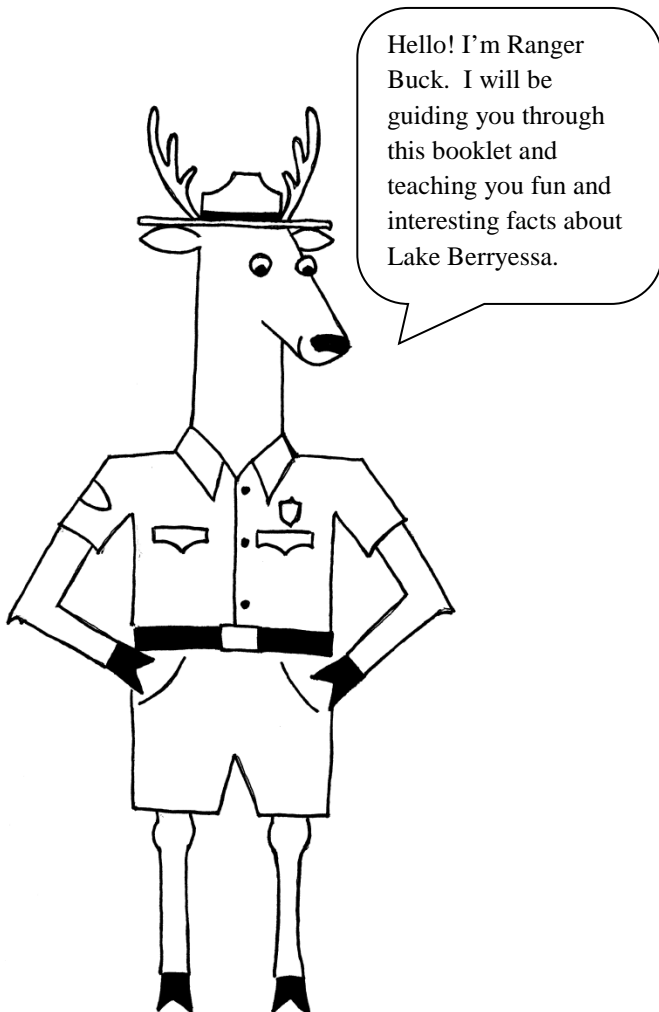
1. Follow the Junior Ranger Code:

- Explore the outdoors and natural areas.
- Learn about the environment, as well as the plants and animals that call it home.
- Clean up and don't litter. Throw away trash and recycle.
- Be water safe and wear a life jacket. Ask a Park Ranger about free lifejackets!
- Conserve our water resources.
- Teach others about what you learned at Lake Berryessa.

2. Complete this booklet and pledge to keep Lake Berryessa clean and safe.

- Ages 5-8 should complete 4 activities in the booklet.
- Ages 9-12 should complete all the activities.

3. Once completed, show a Park Ranger at Lake Berryessa to become an official Junior Ranger and receive a Junior Ranger badge!



The Lake Berryessa Story

Lake Berryessa hasn't always been here! Before the lake was here, it was a farming and ranching valley. The people built the town of Monticello in the middle of the valley. Water was needed elsewhere in California for irrigation and drinking water. When Monticello Dam was built in 1957, the water filled up the valley and created Lake Berryessa.

Lake Berryessa now provides opportunities to recreate year-round. These opportunities include fishing, boating, camping, picnicking, swimming, and other fun activities all year.

What Is A Reservoir?

Lake Berryessa is a **reservoir**, which is a man-made lake used to store water. As we learned in the last section, Lake Berryessa was created when Monticello Dam was built. The dam was built for flood control, to irrigate (or water crops) and eventually produce hydroelectric power. Recreational activities such as boating and fishing were added benefits.

Complete the following sentences using the words from the list below. Not all of the words will be used. Use the boxed letters from each sentence to reveal the secret word.

Secret Word:

Vegetables

Fish

Drinking

Barbeque

Biking

Kayaks

Swim

Habitat

Irrigate

Farming

Electricity

Flood Control

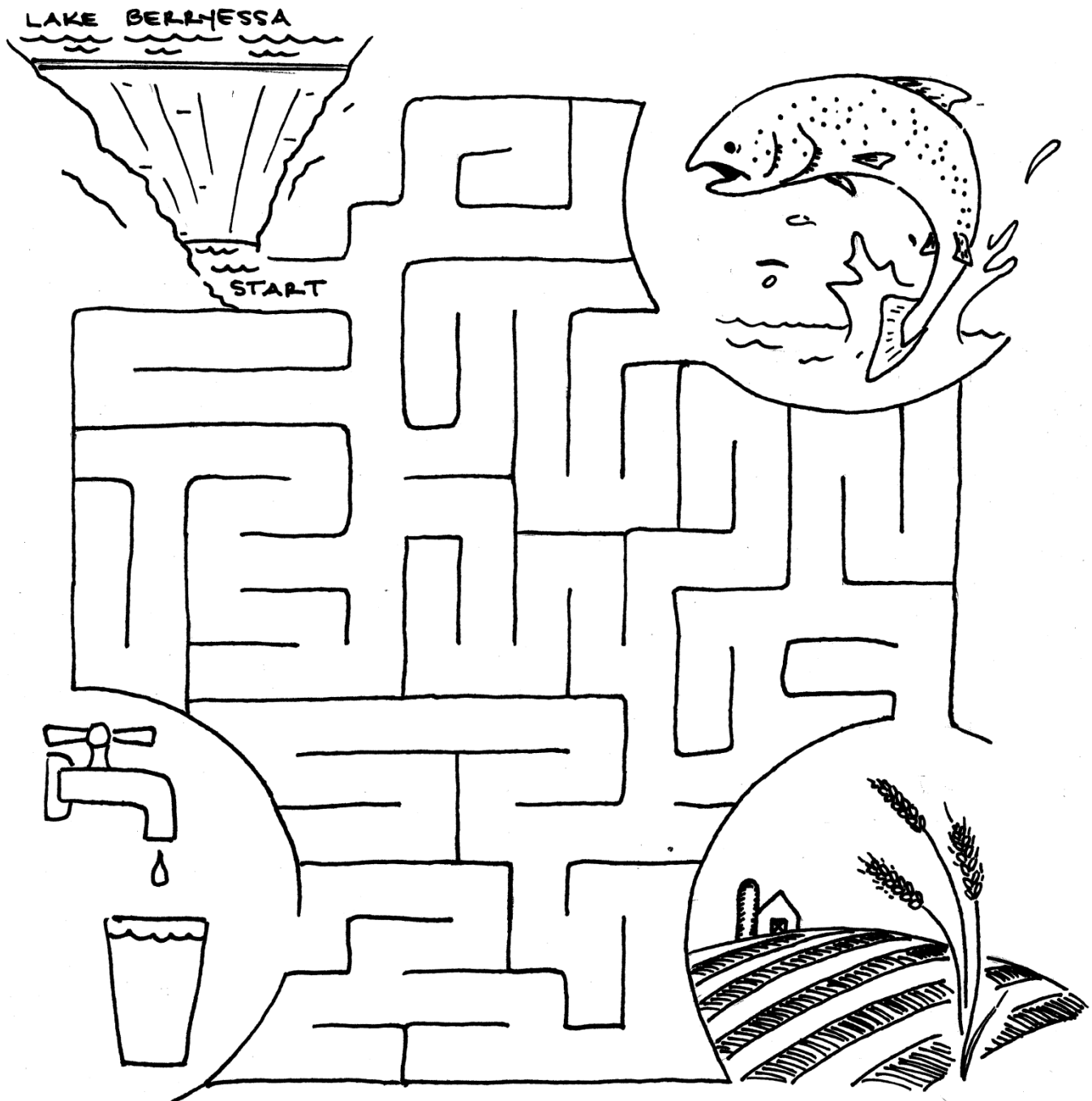
1. The lake provides ___ ___ for a variety of wildlife.
2. ___ ___ is produced by the powerhouse.
3. The water is used to ___ ___ farms in the valley.
4. The lake water comes out of the tap for ___ ___ water.
5. People paddle around the lake in their ___ ___.
6. Many people picnic and ___ ___ on the shores.
7. Many people use life jackets when they ___ ___ at Oak Shores.
8. People catch tons of ___ ___ in the lake every day.
9. Farmers use the water to grow ___ ___.

Where Does The Water Go?

Picture a football field covered with a foot of water. Lake Berryessa holds 1.6 million football fields covered in 1 foot of water. That is a lot of water! Who uses that water and where does it go?

From Lake Berryessa the water flows through Monticello Dam and the Lake Solano Diversion Dam, providing habitat for fish. The water then flows down the creek into canals and irrigation ditches to provide water to farms and ranches. Water also goes to cities and towns for drinking water and industrial use. Our water is very important for a lot of communities.

Can you follow the water maze to find out where the water will go? There's more than one correct path.



Water Conservation

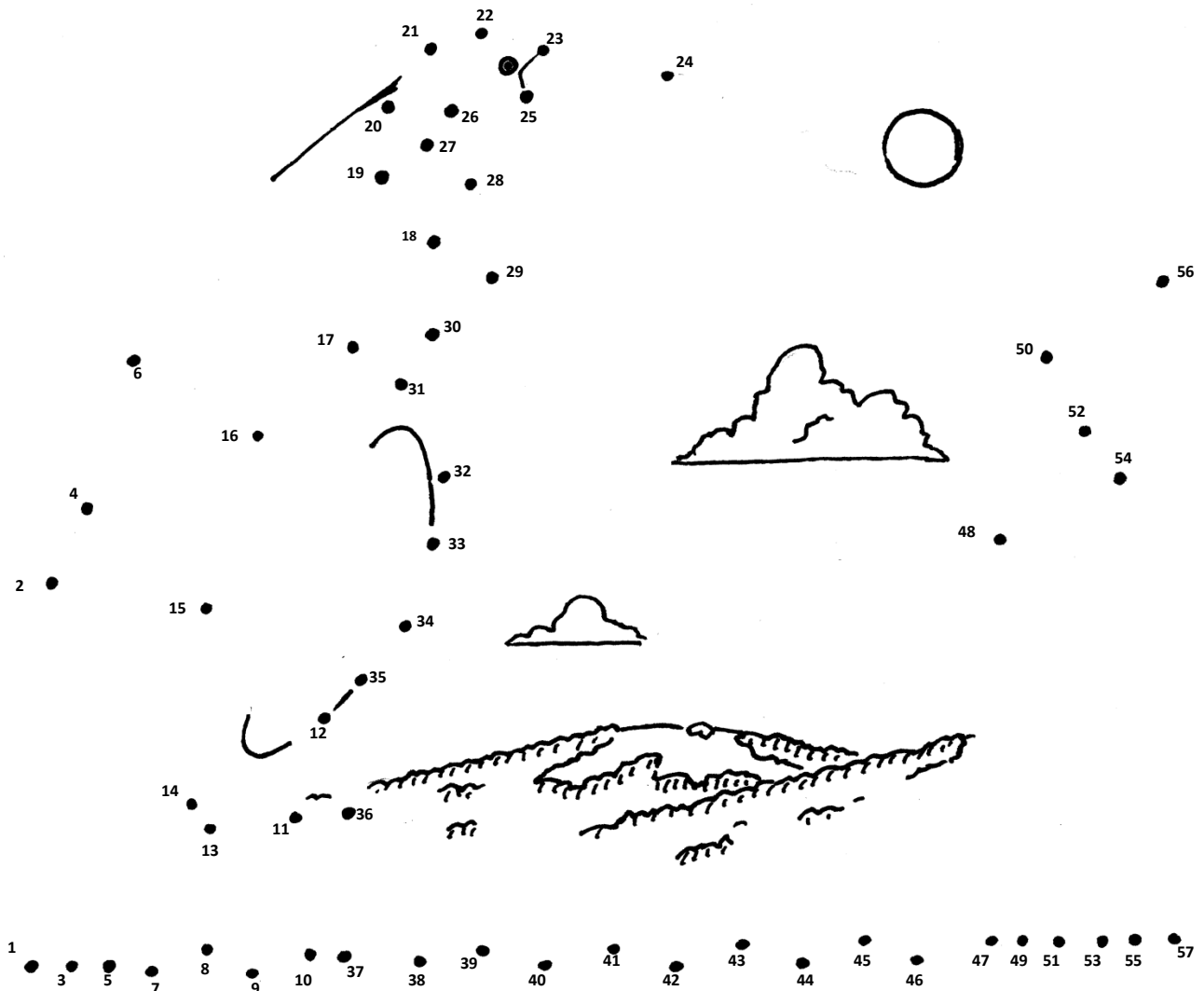
The Bureau of Reclamation manages water in 17 of the Western United States. That is a lot of water to manage. As a Junior Ranger you can help out and conserve water so that there is enough for everyone. You use water for all kinds of things such as drinking, brushing teeth, and swimming. What else do you use water for? List two more ways you use water:

1. _____
2. _____

Here are some ways that you and your family can save water at home and in your community:

- Turn off the water while brushing your teeth.
- Take a bath. A partially filled bathtub uses less water than most showers.
- Water your lawn only when it needs it.

You need to conserve water for wildlife as well. Connect the dots to reveal a Great Blue Heron, a bird that needs water to survive!



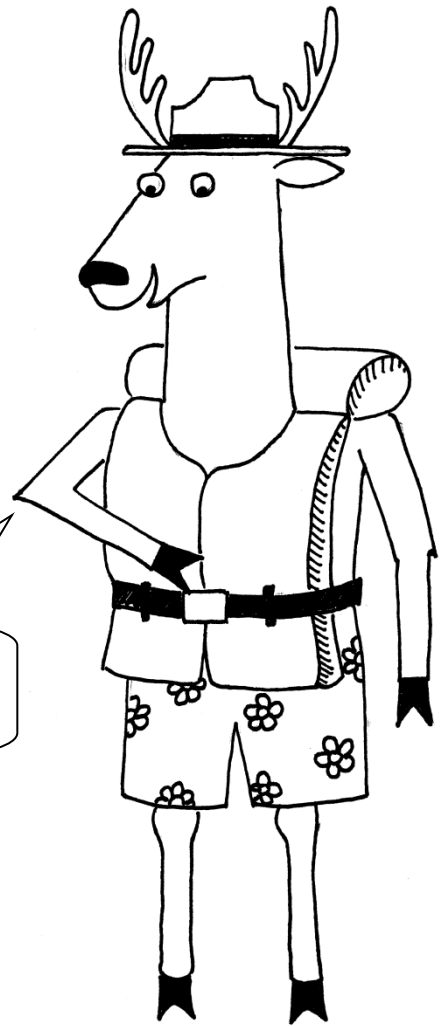
Be Safe At The Lake

There are a lot of fun activities to do at Lake Berryessa. Many people visit the lake to fish, boat, camp, or swim in the lake. When boating you should always have the correct safety equipment on board. On hot days it is important to wear sun-block and drink plenty of water. When playing or swimming in the lake, you should always wear your life jacket.

Find the words that are lost in the word search. The words may be listed up, down, or diagonally.

- Life Jacket
- First Aid
- Sunscreen
- Extinguisher
- Whistle
- Water
- Hat
- Buoy
- Bug Spray

I always wear my lifejacket!!
It keeps me safe and afloat

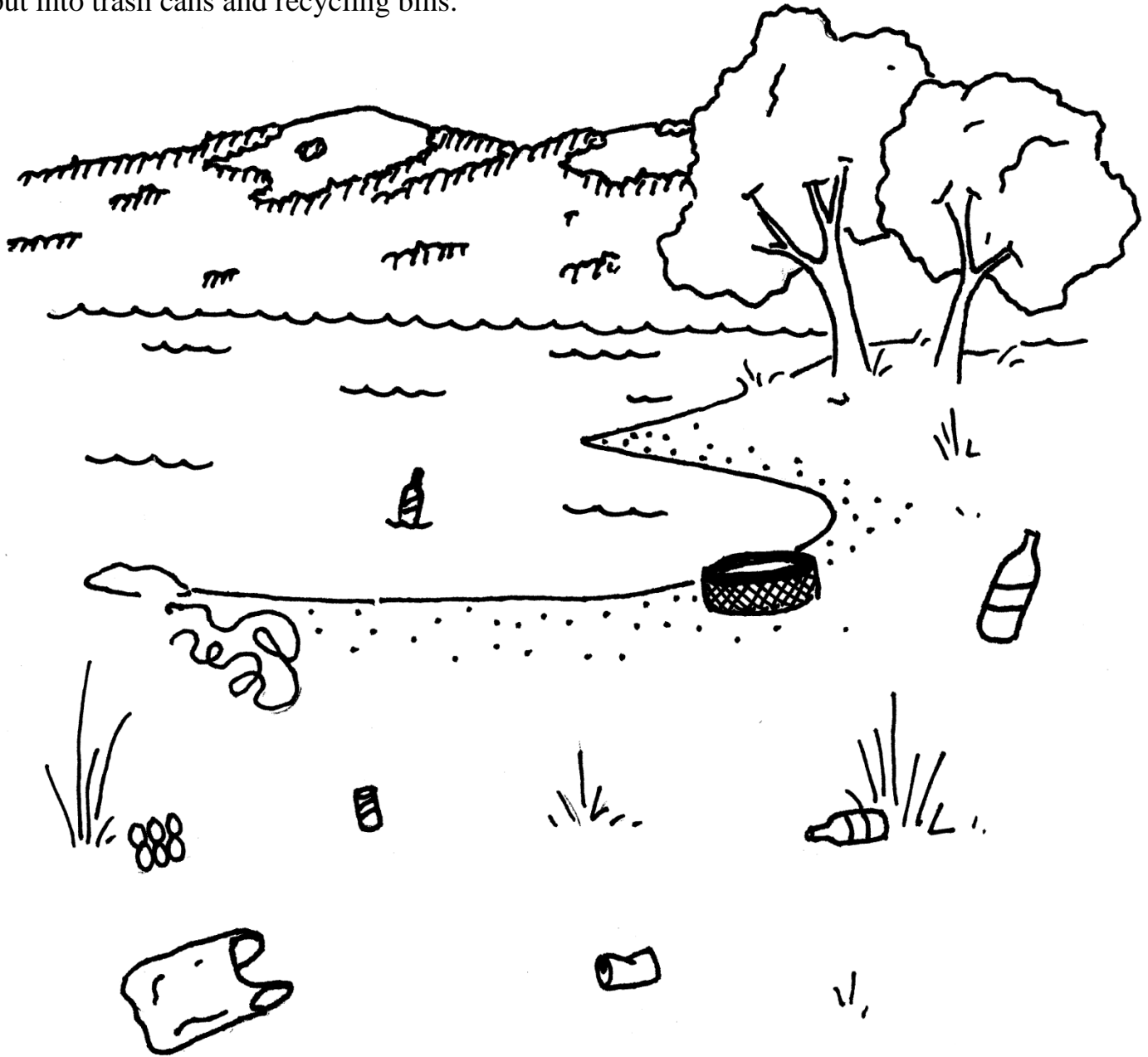


S	L	A	U	B	M	Y	Q	C	A	J	L
M	P	F	W	H	I	S	T	L	E	M	I
F	U	R	W	O	I	N	H	F	X	A	F
I	Q	L	Y	B	U	O	Y	K	T	D	E
R	C	B	T	A	S	A	O	S	I	N	J
S	E	A	Z	V	R	G	J	E	N	L	A
T	H	J	W	P	N	L	K	U	G	T	C
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D	U	E	T	I	Q	A	H	L	S	B	T
B	V	C	G	B	Z	H	T	S	H	U	R
J	R	S	U	N	S	C	R	E	E	N	K
P	K	X	T	V	N	W	B	O	R	T	E

Keep Lake Berryessa Clean

Trash belongs in our garbage cans or recycling bins, not on the ground or in the lake. As a Junior Ranger you can help keep our beaches and lake clean.

Circle all of the objects that shouldn't be in the lake or on the beaches. These objects should be put into trash cans and recycling bins.



The chart below shows how long some trash takes to breakdown:

Orange Peel: 6 months
Cigarette Butt: 12 years
Leather Shoes: 25-40 years
Plastic Container: 50-80 years

Nylon Cloth: 30-40 years
Aluminum: 90-100 years
Plastic Foam: 100 years
Six-Pack Holder: 450 years



Our Wild Environment

Lake Berryessa is located in the hills and is home to a large number of plants and animals.

Can you match the name of the species to the correct picture and description?

Gray Pine

Osprey

Blue Oak

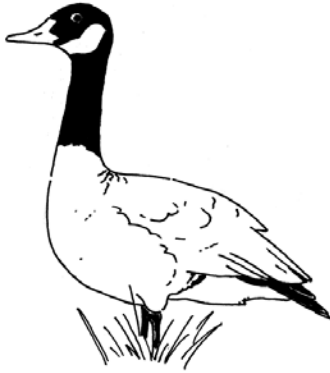
Gray Fox

Canada Goose

Otter

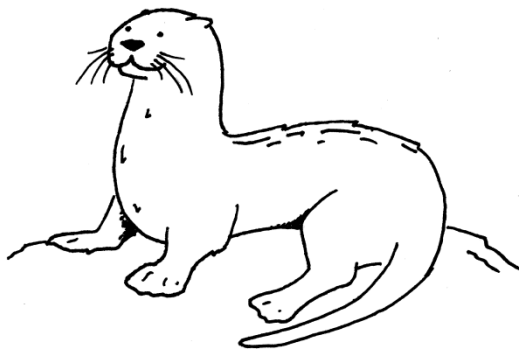
Mountain Lion

Turkey Vulture



1. _____

Native to the Arctic and temperate areas of North America. Primarily an herbivore and normally migratory.



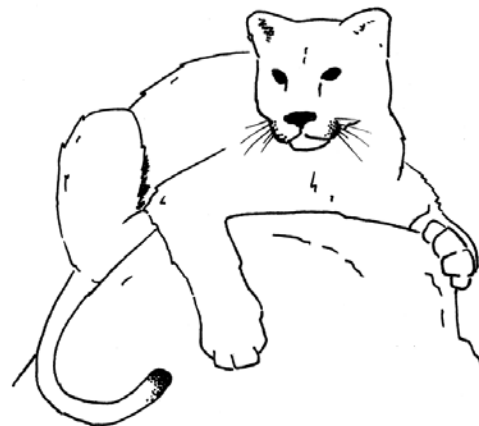
3. _____

Social, carnivorous mammal that is found close to water sources. Webbed paws help it swim and hunt. Typically eats fish and small invertebrates.



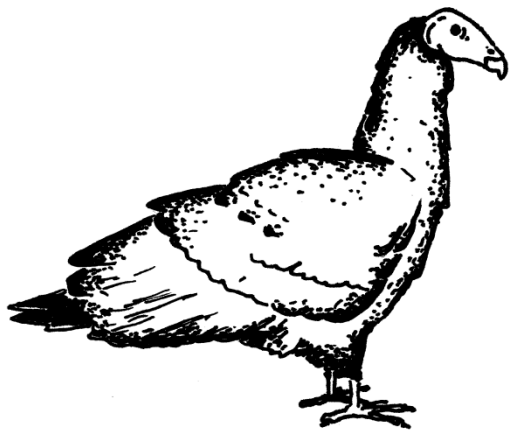
2. _____

Also known as the Ghost Pine. This species of tree can grow over 100 feet. Its needles come in fascicles (bundles) of three.



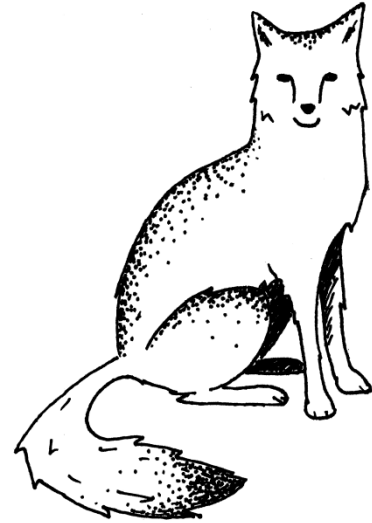
4. _____

Also known as a cougar. A solitary, carnivorous mammal. It has the largest range of any mammal in the Western Hemisphere.



5. _____

This bird is a scavenger that mostly feasts on carrion (dead and decaying animals). Recognizable by its large, bald, red head.



6. _____

A small, carnivorous creature in the dog family. Hooked claws allow it to climb trees, an unusual trait in canines. Its scientific name means “ashen silver.”



7. _____

A species of tree that is endemic or only found in California. Its blue-green lobed leaves give a hint to its name.

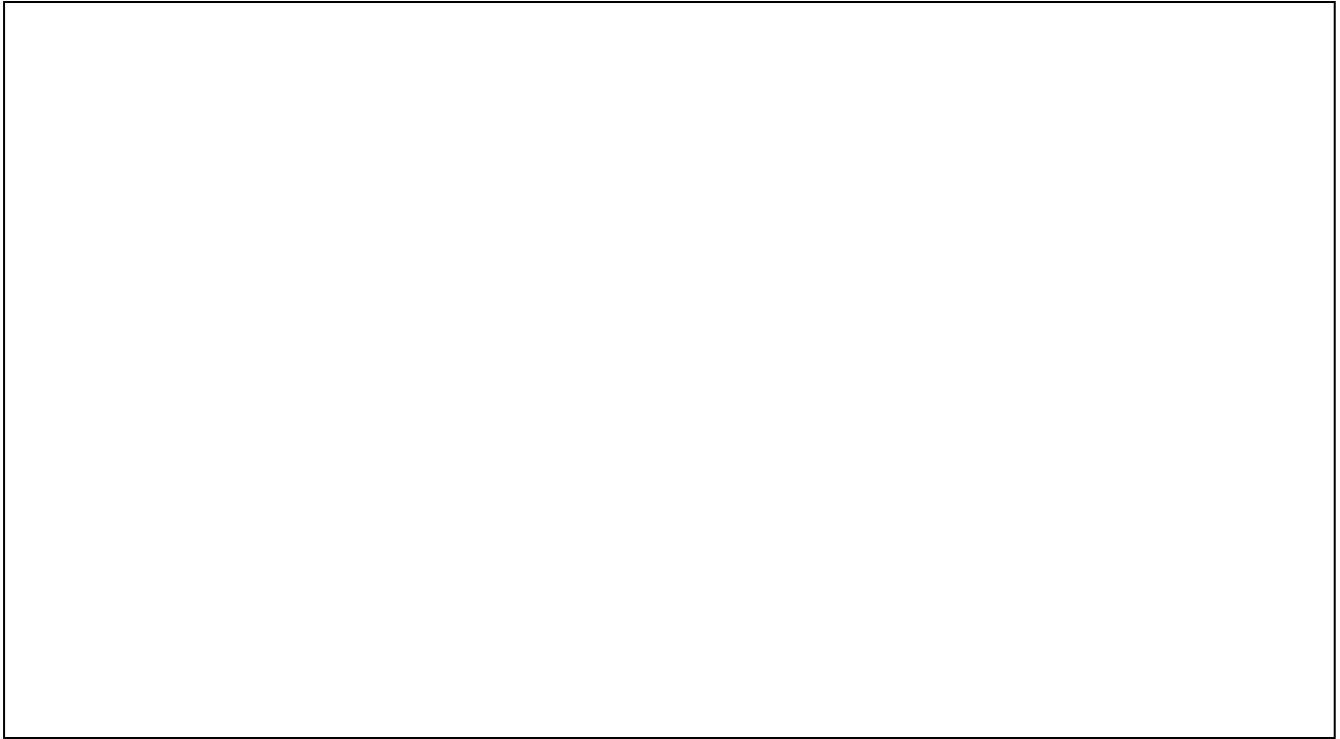


8. _____

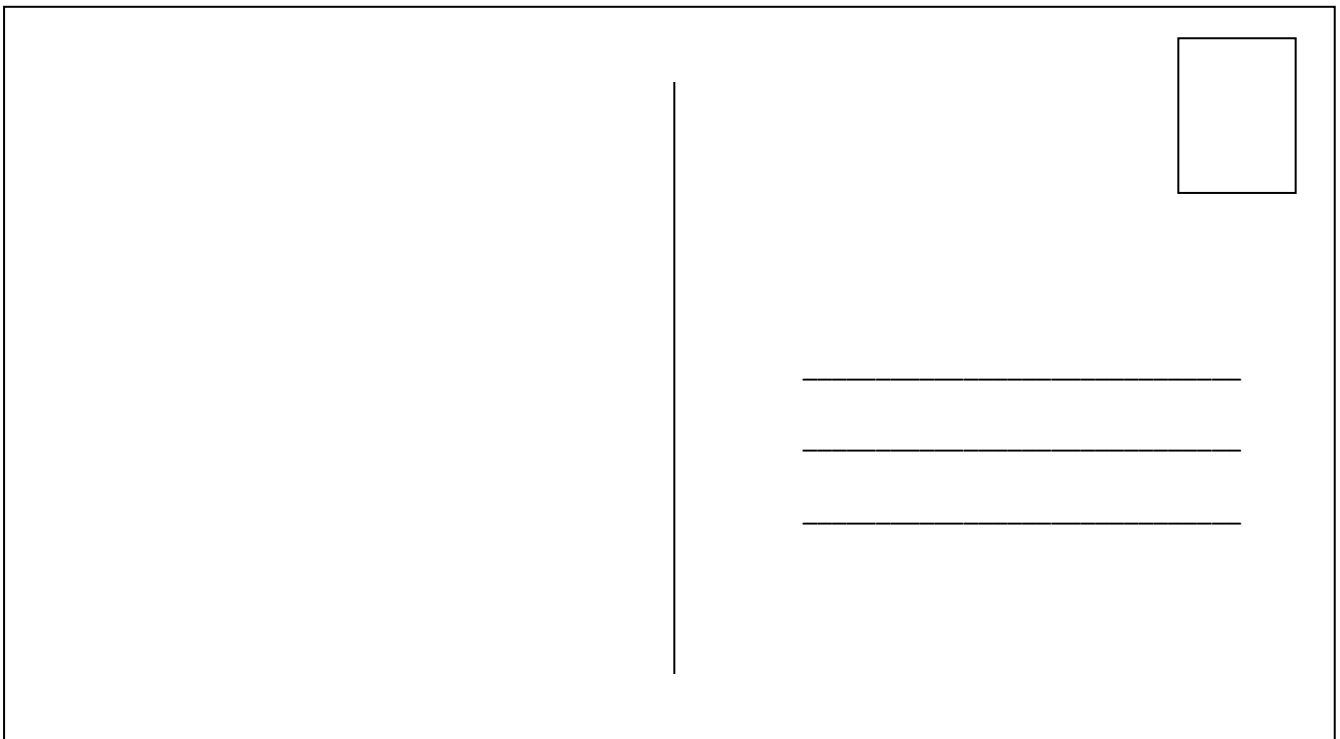
Also known as a fish hawk. A fish-eating predator that nests near large bodies of water. This species can be found worldwide.

Tell A Friend About Your Visit!

There are many beautiful and wild things to see at Lake Berryessa. Design a postcard of your favorite activity or scene at the Lake:



Now, write a message to a friend or relative about your time at Lake Berryessa!



Certificate of Achievement



is now an official
JUNIOR RANGER
and protector of Lake Berryessa



Park Ranger

Date

Notes:

Illustrated and Developed by Matt Podolinsky

2015