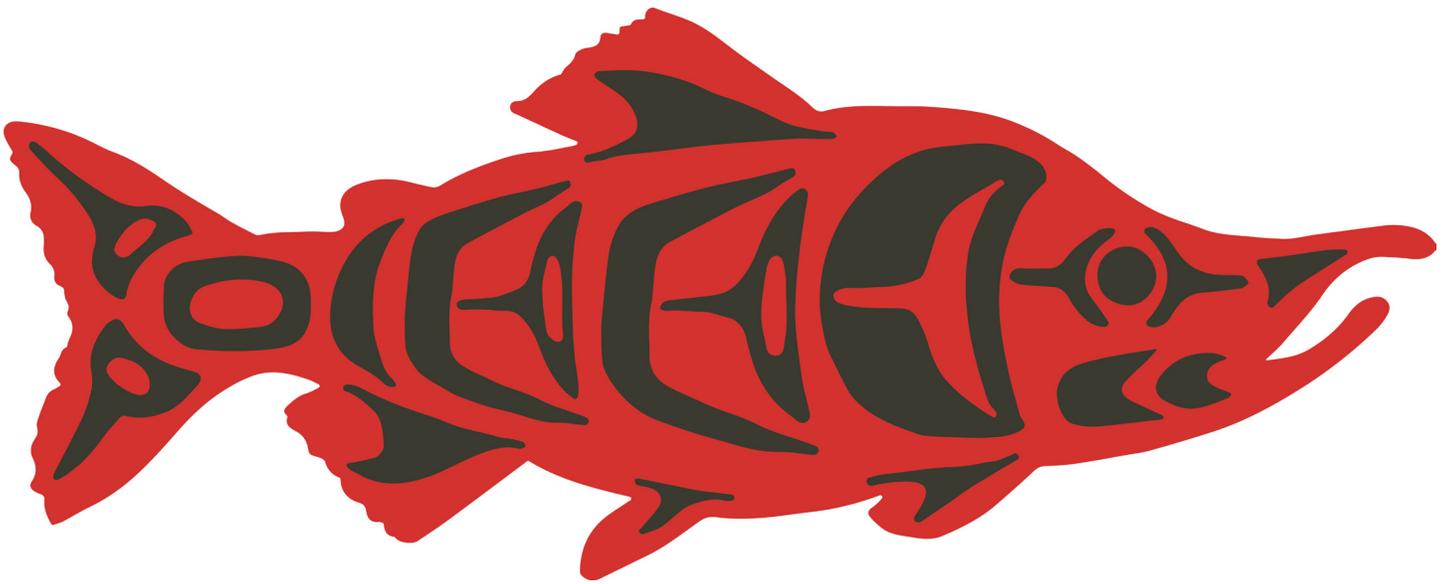


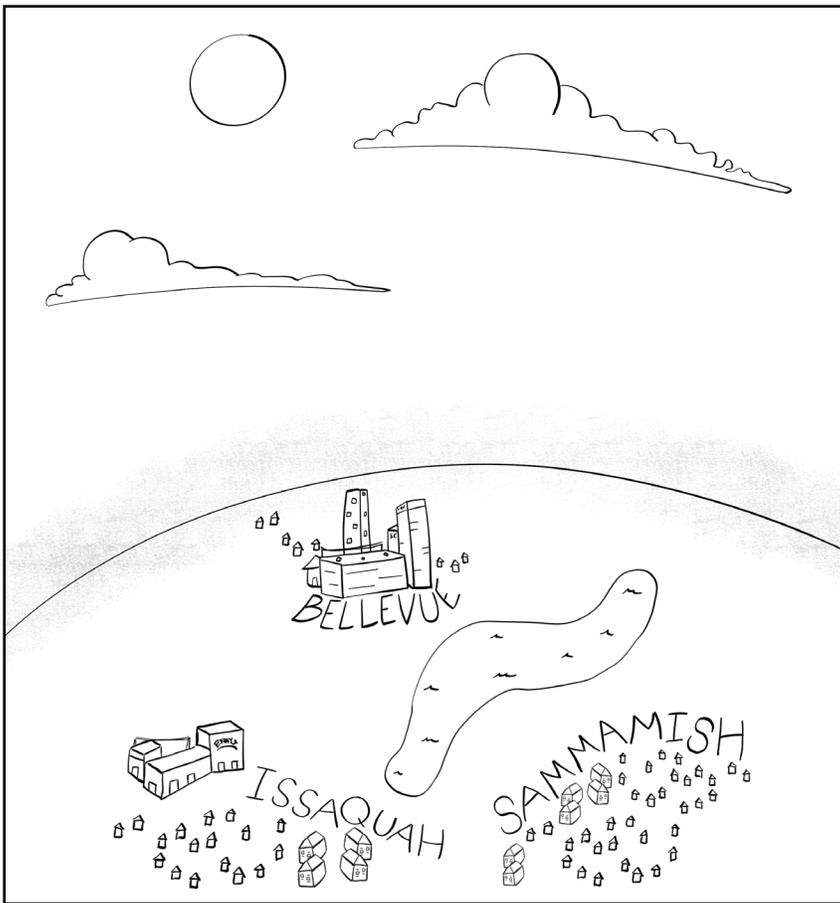
Kokanee Salmon Workbook



A Kokanee Celebration 2020 Resource

brought to you by the Snoqualmie Indian Tribe





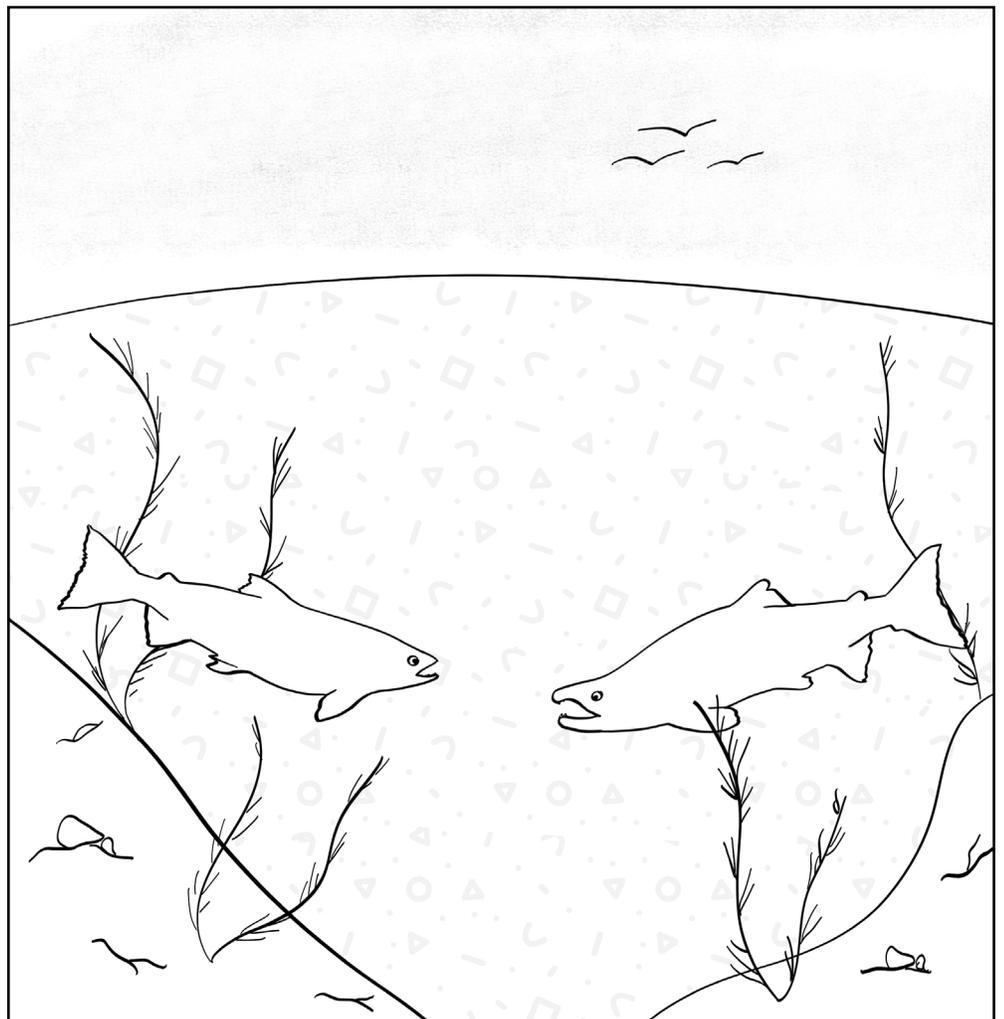
Lake Sammamish has always been home to kokanee salmon.

pronounced "KOh-kah-nee"

Kokanee salmon are a type of freshwater sockeye salmon.

They spend their adult lives in the lake.

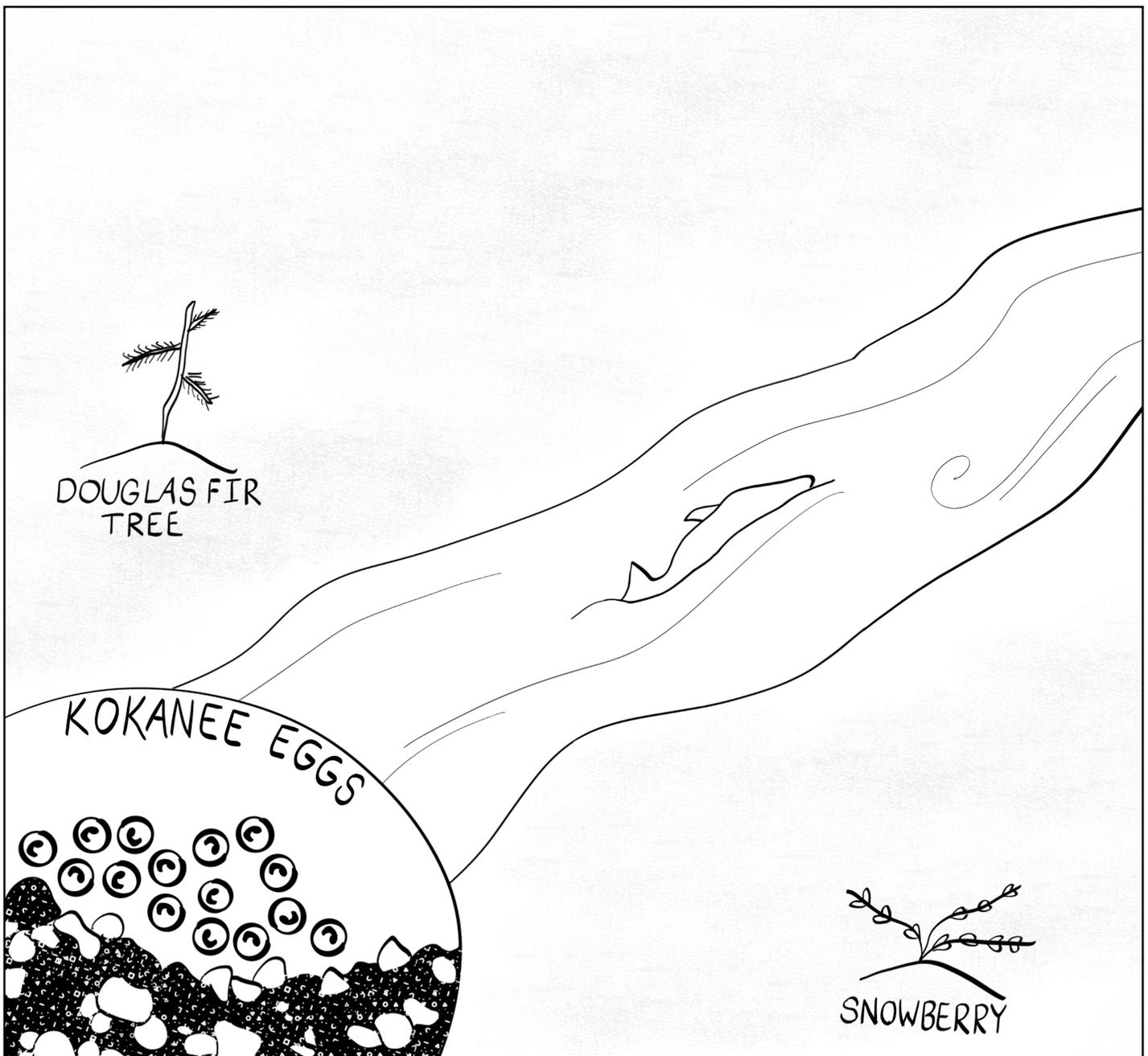
Which of these fish do you think is the female salmon, and which is the male salmon?



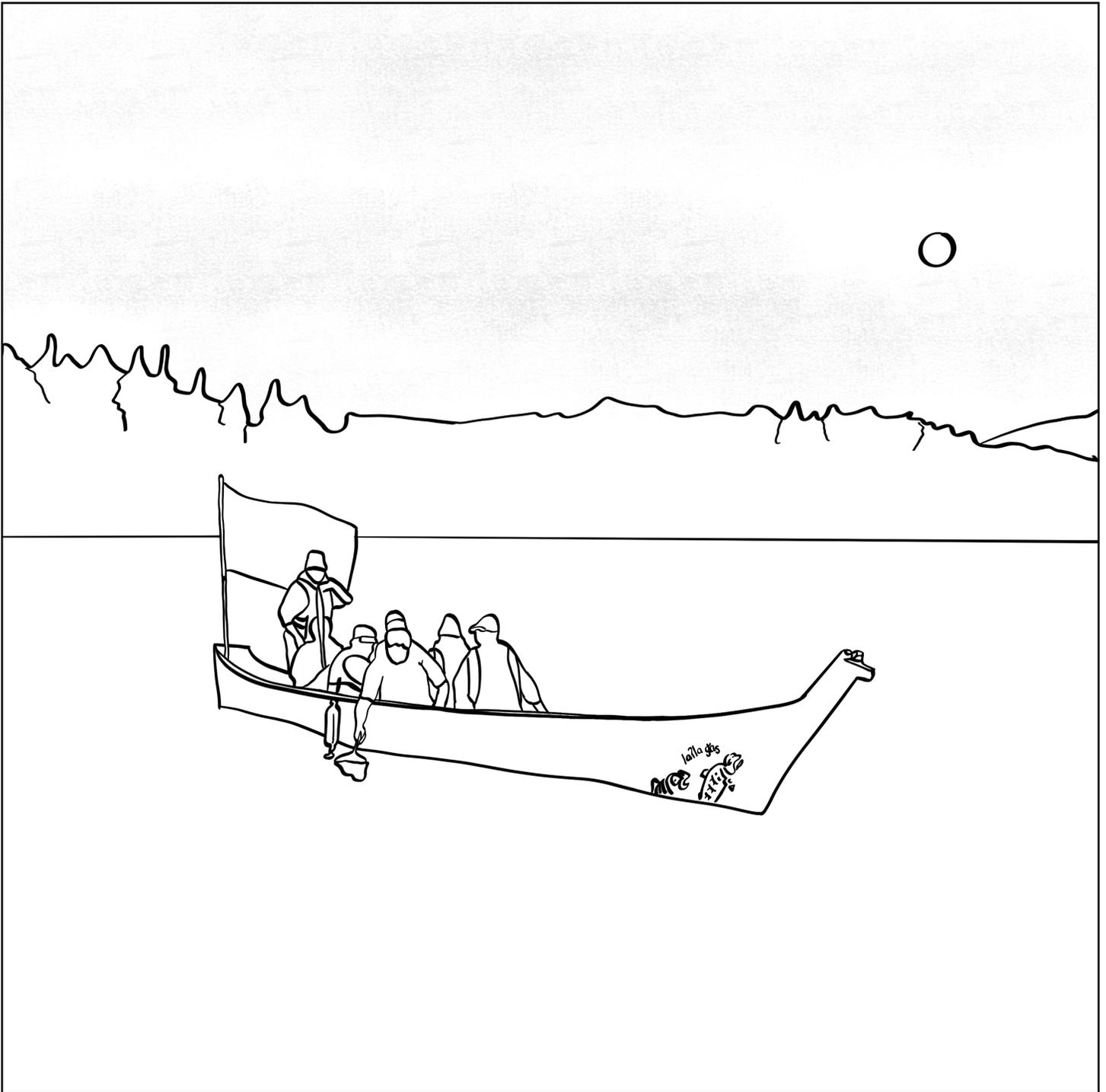
Between November and January, the kokanee salmon travel up tributaries, or streams, of the lake to spawn.

The Snoqualmie Tribe restores the native habitat that protects the kokanee and their eggs by planting native trees and shrubs.

Draw in your own native trees and shrubs to plant along the stream!



Today the kokanee salmon need our help
to rebuild their population.



Last year, the Snoqualmie Tribe helped in releasing
young kokanee salmon back into the lake.

Draw in your own kokanee salmon as they're released from the net!

Take Action for the Kokanee!

What can you do for the kokanee salmon at home?

Learn about the kokanee's home and neighbors!

- Research and identify 5 different native plants or trees in your neighborhood.
- Follow the water that runs off your roof or down your driveway. Does it run into a street drain or is it filtered by plants?
- Find the waterways—streams, creeks, or rivers—around your home using a map.
- Research and identify 5 different native aquatic species.

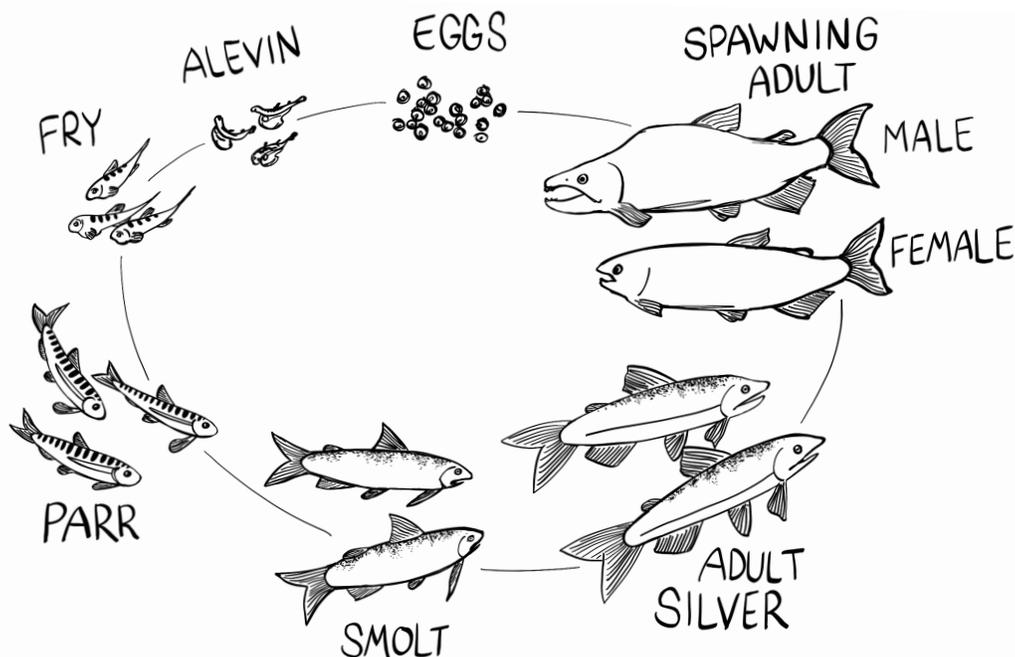
Help to rebuild and protect the kokanee's home!

- Find a piece of trash in your neighborhood and dispose it properly.
- Find an invasive plant and remove it safely.
- Plant a native tree or shrub nearby.
- Wash your dog or car in the grass so the soapy water doesn't run into the street and possibly end up in the kokanee's waterways.

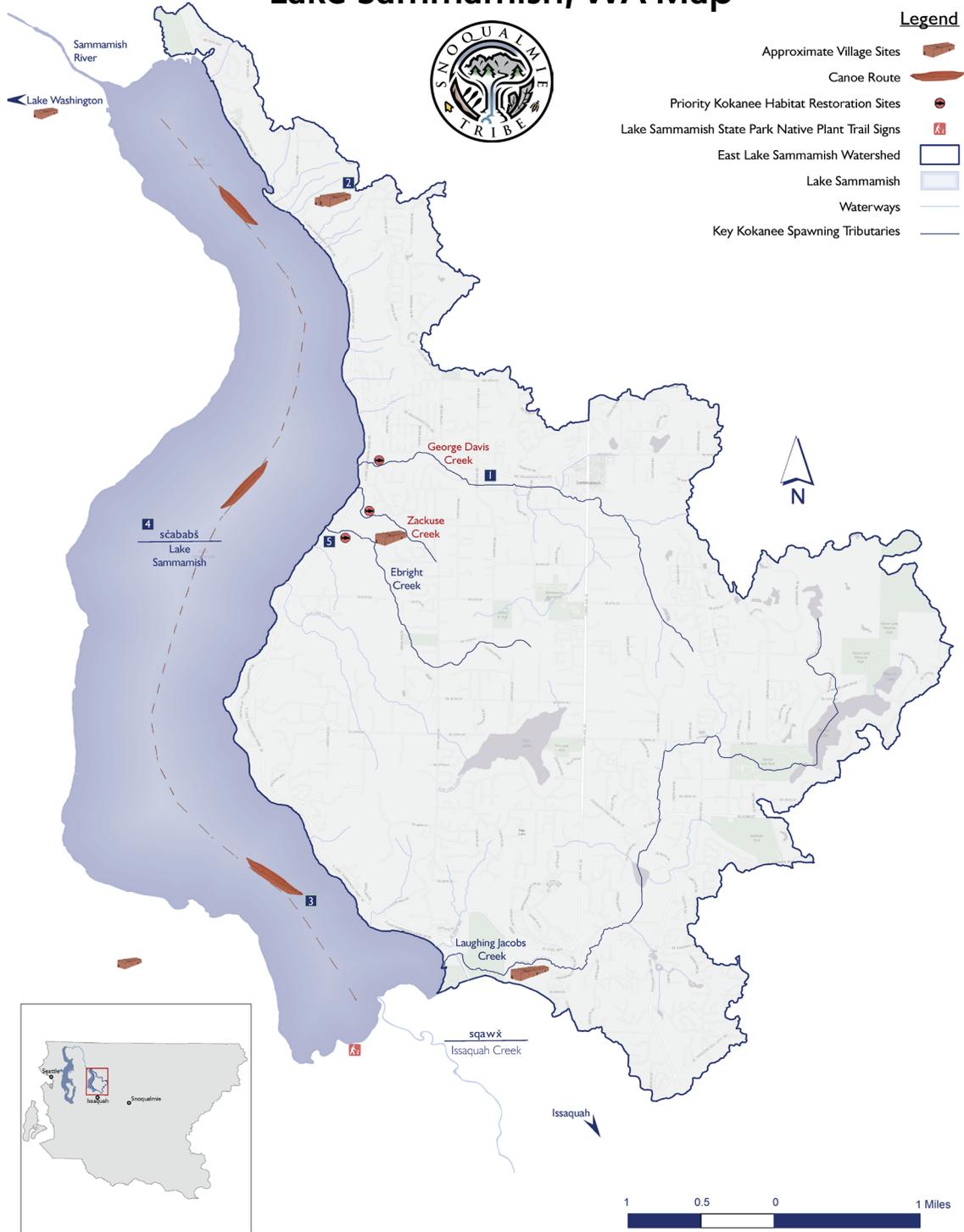
Promote awareness about kokanee—the little red fish!

- Draw a kokanee salmon based off of an image.
- Tell at least one friend about where kokanee salmon live.

Life Cycle of a Kokanee Salmon



Lake Sammamish, WA Map



Notice the different tributaries on Lake Sammamish that are available to the kokanee salmon as spawning grounds. It is our responsibility to keep these areas clean so that the kokanee can swim for generations!

Lake Sammamish was used by the Snoqualmie Peoples to travel from place to place using canoes, connecting the Sammamish region to Lake Washington and the Puget Sound. This allowed people to visit family and friends, and harvest or fish seasonally.

Kokane Salmon Word Game

Vocabulary Words

Fall	The season that the kokanee salmon begin to spawn.
Tributaries	A stream or river that flows into a larger waterway or lake.
Spawn	When aquatic animals release their eggs or sperm to make baby kokanee.
Protect	Kokane eggs must be protected by plants that shade and cool, filter out toxins, and shelter the water from predators.
Alevin	The stage of life when a kokanee is a baby.
Smolt	The adult stage of a kokanee's life.
Parr	The teenage or juvenile stage of a kokanee's life.
Fry	The second stage of a kokanee's life.
Sammamish	The name of the lake that is home to a unique population of kokanee salmon.
Cycle	The kokanee salmon's lifeway is a cycle of generations of salmon within Lake Sammamish.

Use the vocabulary words above to guess which words fit into the sentences!

For nouns and adjectives spaces you can add your own words.

In the late season, kokanee salmon travel up the clear and cool
(vocab) (vocab)

of Lake Sammamish to spawn. Before they , the male and female
(vocab)

kokanee undergo a physical change. Their silver and blue colors turn to red and green and
the male kokanee grows a hump on its back. As they travel upstream, the kokanee salmon

pass by and native trees, shrubs, and plants that will help to
(adjective) (adjective)

the kokanee's eggs.
(vocab)

Kokanees Salmon Word Game

Once the eggs have been laid and fertilized, the adult salmon pass away and help to bring nutrients into the forests. By March, the eggs hatch and become , which are (vocab) small baby fish that swim with sacs of nutrients on their bellies for a few weeks. The baby fish begin learning how to survive amongst the and (noun) (noun) of the stream.

Then, the baby fish grow more and become . (vocab) During this time the fish learn how to absorb oxygen, eat, and avoid predators in the stream. The stream becomes imprinted on them as their home.

After a few weeks, the fish grow into or juvenile fish. (vocab) As a juvenile fish, the kokanee looks for tastier meals, such as and (adjective) (adjective) bugs. They also grow a pattern of spots and stripes on their backs to camouflage themselves from

(adjective) predators that could eat them. These predators could include (noun) and . (noun)

In the early Summer season, the fish grow up and become silver , (vocab) or adult kokanee salmon, and they swim out to find the lake. They remain in this stage for two to four years in Lake . (vocab) The kokanee life (vocab) becomes complete when the silver fish mature into their adult spawning forms. When this happens, they return to the stream where they were born to foster a new generation of kokanee eggs.

Kokanee Salmon Word Search

t d c f h n p n z i p g a r b l s e q w a j j f z
 t r i b u t a r i e s u f i u i a y x e d u l z w
 e s a g d y m p v u t o n i n x m m l a u j c a v
 b i t i a m v b n m f l u g g t m c o u l u i u b
 i l f s l z e r i o r i v e r r a k r r t v a y g
 g v r e s t o r e y p j e a q i m c f s i e j i n
 o e g o t g j z v h m m z v c o i d w v z n r s b
 k r j z x s p w a t e r w a y k s j x a y i d g d
 x p x r c v s d c h r i i x i w h g q y w l x b y
 k f b n o r m t o r s m x s m z n k t f j e y a l
 l f r y n e b q r u b s a l m o n d m h j w g b i
 b r p f g d c g u e g p g m q q v f c j u r h y d
 a w o i o m w f b x a l g e n e r a t i o n s g s
 f r e s h w a t e r o m a x u f v j t o b q f t g
 s m f w v w a l u l j i u s w j n b h a e a y r u
 n s o c k e y e e m l y d u f z n l s s p a w n s
 o l n f u d r r i v j a v s e i e i i w o f x s i
 w k a j s x s o g n i y k j a m r f v g x n t m h
 b q c q s o r l i h j n d e n w k e a j z k h g l
 e v a x u p b v k x e f o j x u o c p r o t e c t
 r a n r h a s j g p a r r m u b k y f s h w x y x
 r a o h k c t a i q l a s l t l a c p m n b l s m
 y l e r c h c i u k h x v r q m n l e o e u u q q
 i y e g g s k f c d o r d f z d e e r l k m h b g
 r r b z r s n o q u a l m i e d e c a t m r p h w

generations

Sammamish

life cycle

restore

stream

smolt

parr

baby

tributaries

snowberry

waterway

protect

silver

adult

eggs

red

douglas fir

juvenile

sockeye

kokanee

canoe

lake

fry

freshwater

Snoqualmie

aquatic

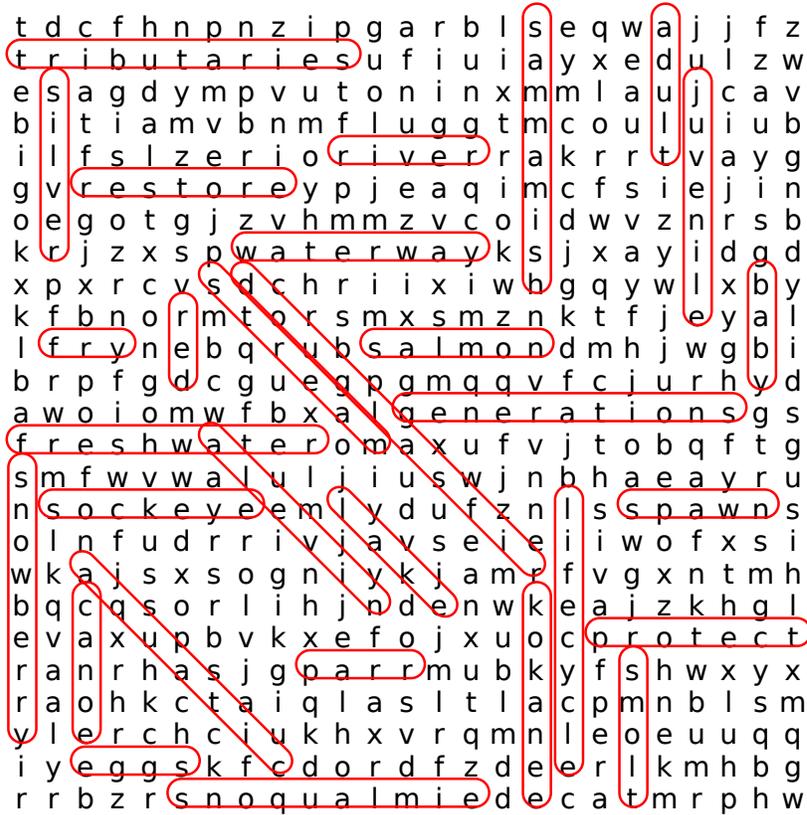
alevin

spawn

salmon

river

Kokanee Salmon Word Search Answer Key



generations

tributaries

douglas fir

freshwater

Sammamish

snowberry

juvenile

Snoqualmie

life cycle

waterway

sockeye

aquatic

restore

protect

kokanee

alevin

stream

silver

canoe

spawn

smolt

adult

lake

salmon

parr

eggs

fry

river

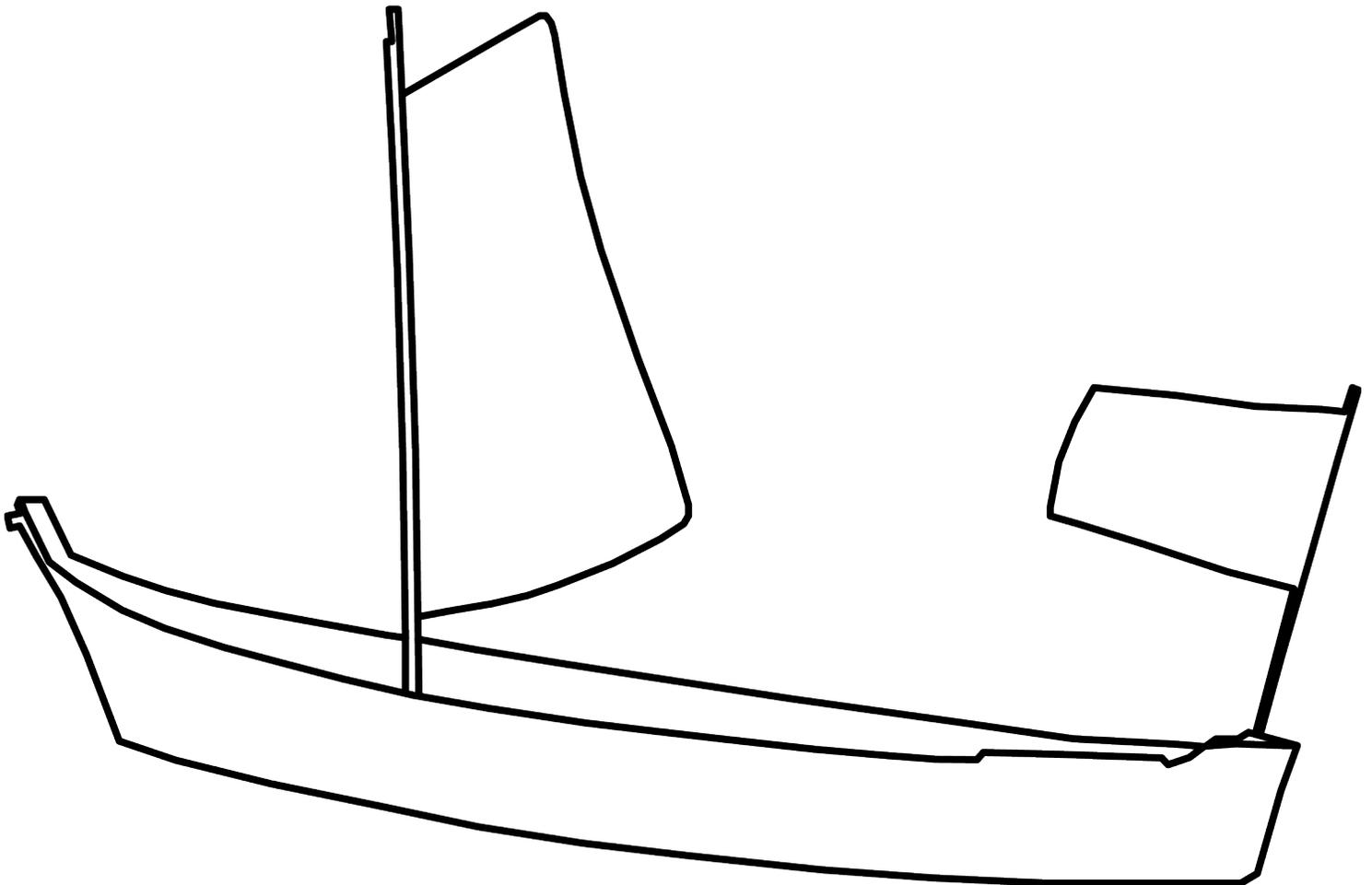
baby

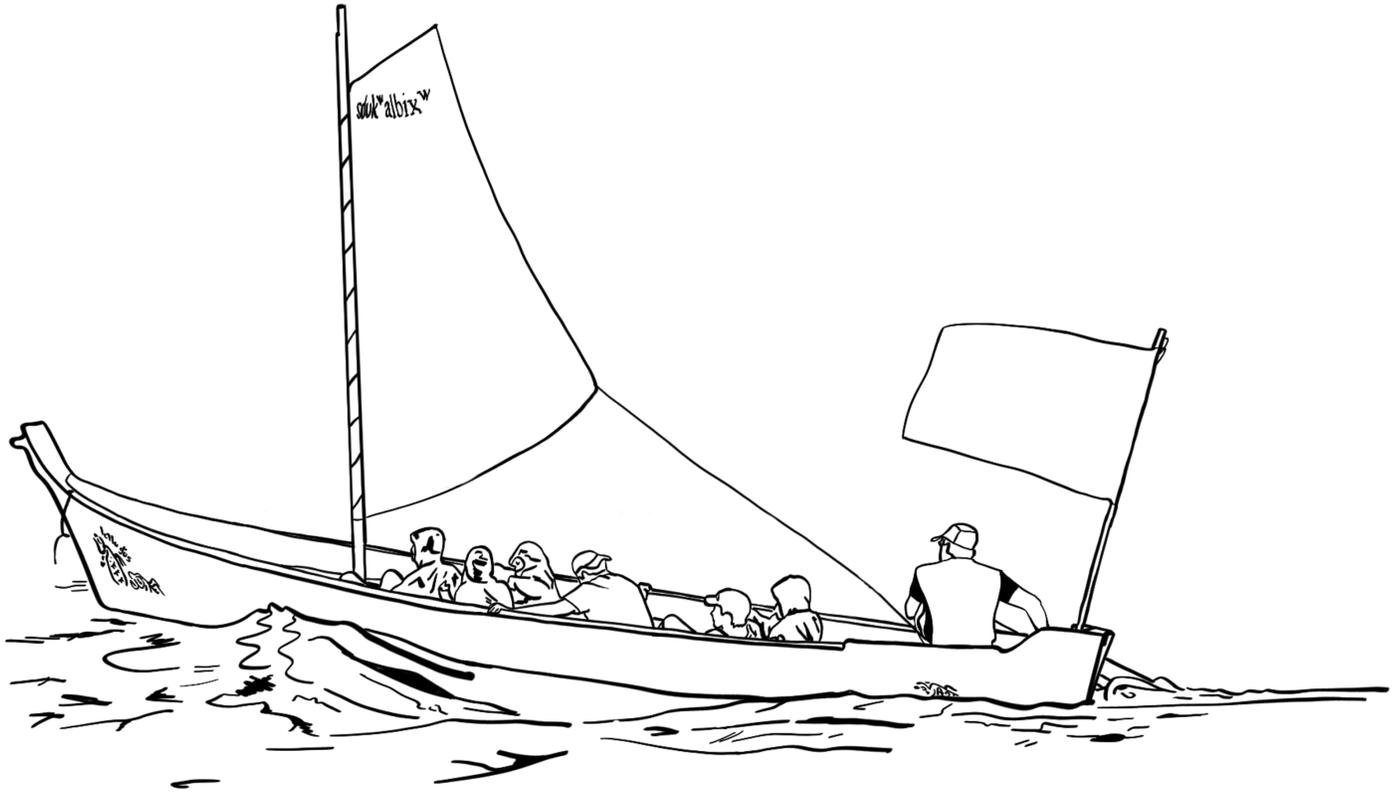
red

Color Your Own Canoe

The canoe that was used to release the kokanee salmon is the Snoqualmie Tribe's traditional ocean canoe, la[?]lag^was.

In the Spring, the Tribe practices pulling la[?]lag^was on Lake Sammamish.





**This Kokanee Workbook has been made in collaboration between the
following Snoqualmie Indian Tribe Departments**

Communications & Multimedia Design
Environmental & Natural Resources
Culture

Front Cover - Kokanee Salmon Illustration

by McKenna Sweet Dorman

Kokanee Comic Illustrations

by Sabeqwa de los Angeles

Lake Sammamish Map - Living Culture Display (2017)

by Heather Minnella & McKenna Sweet Dorman

This workbook is dedicated to s'ilas, the little red fish of Lake Sammamish.

