



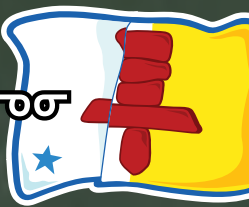
# NUNAVUT'S DISCOVERY MAGAZINE FOR KIDS

# KAAKULLUK

ARCTIC CHAR!

**ISSUE #14**

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**In this issue's legend...**

# KIVIQU AND THE BEE PEOPLE

**• A MAZE, A GAME,  
AND MORE!**





**P.12 LEGEND**

Kiviuk and the Bee People.



# KAAKULUK

## INSIDE THIS ISSUE:



**P.5 IQ**

Brian Koonoo shares some knowledge.



**P.6 WILDLIFE**

Mighty morphers.



**P.8 IN FOCUS**

The development of the Arctic char.



**P.10 FISHING**

Techniques and recipe.



**P.18 MAZE!**

Go fishing!



**P.19 GAME!**

Spot the Arctic char.



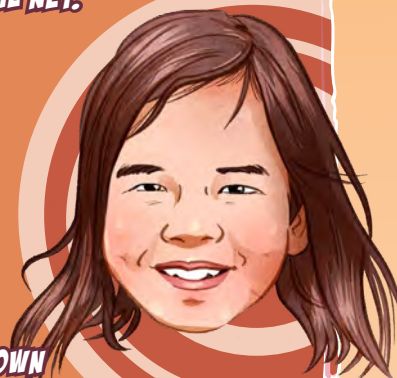
## WHAT ARE PEOPLE SAYING ABOUT **ARCTIC CHAR?**



class: Actinopterygii  
species: *Salvelinus alpinus*  
length: 8 to 50 centimetres  
weight: 0.5 to 9 kilograms



**"THEY ARE BIG AND HAVE  
ORANGE TUMMIES AND GREY  
SPOTS. I CATCH THEM WITH MY  
BARE HANDS IN THE NET."  
SAKKU ISSALUK**



**"ARCTIC CHAR ARE  
FISH, AND MY UNCLE  
BRINGS US BIG ONES  
FROM SUKA LAKE!"  
DIMITRI PELLERIN**



**"ARCTIC CHAR SWIM DOWN  
TO THE OCEAN AT THE END OF  
SPRING. PEOPLE DRY FISH TO  
MAKE PISSI. I LIKE EATING  
PISSI."  
ALAIRA JASMINE KOONOO**



**"THE BIGGEST  
ARCTIC CHAR EVER  
CAUGHT WEIGHED  
OVER 32 POUNDS!  
THAT'S A BIG FISH!"  
NIVIAQ MIKE**

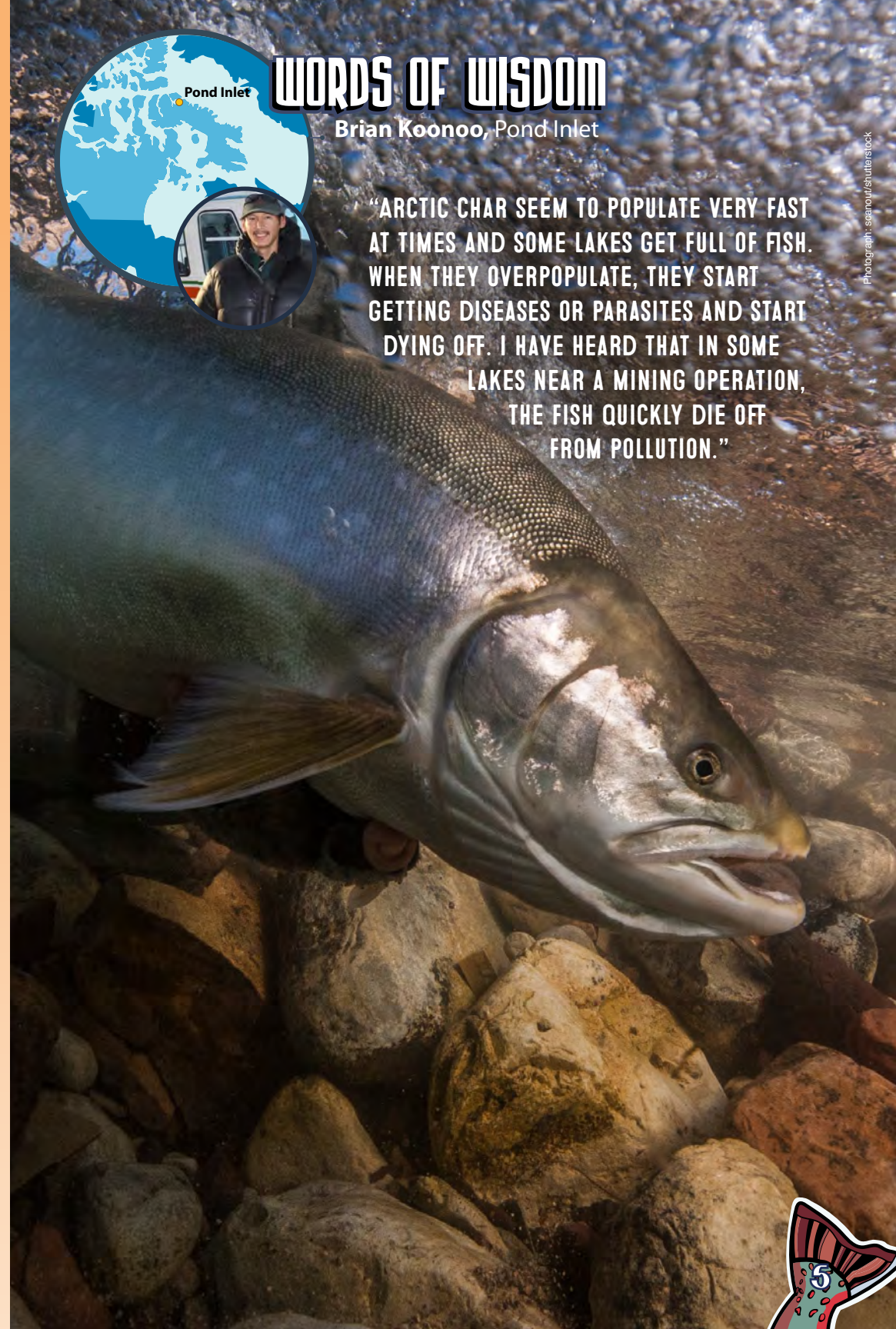


## WORDS OF WISDOM

Brian Koonoo, Pond Inlet



**"ARCTIC CHAR SEEM TO POPULATE VERY FAST  
AT TIMES AND SOME LAKES GET FULL OF FISH.  
WHEN THEY OVERPOPULATE, THEY START  
GETTING DISEASES OR PARASITES AND START  
DYING OFF. I HAVE HEARD THAT IN SOME  
LAKES NEAR A MINING OPERATION,  
THE FISH QUICKLY DIE OFF  
FROM POLLUTION."**





# ARCTIC CHAR

## MIGHTY MORPHERS

Arctic char come in many different varieties, or "morphs." In fact, they're known as one of the most variable vertebrates (species with backbones) in the world. Their size can range from dwarf to giant, they can have different shapes and characteristics, and they come in many colours that can change with age, region, and season.



### PREDATORS

Polar bears, otters, birds, other fish, and humans are all predators of Arctic char.



### BABIES

Arctic char lay 3,000 to 5,000 eggs in gravel beds, and they hatch in 2 to 3 months.



### FOOD

Arctic char eat insects at the surface of the water, salmon eggs, snails and other crustaceans, zooplankton, freshwater shrimps, krill, and sometimes smaller fish.

### APPEARANCE:

Arctic char are often dark in colour, with lighter spots. But, their bellies and sides can vary in colour including red, pink, orange, yellow, and white.

### LIFE SPAN:

Arctic char can live for around 20 years in the wild, though some have lived for nearly 40 years.

### HABITAT:

Arctic char live in lakes and rivers throughout the northern polar regions. They usually live in shallow waters, but landlocked Arctic char often swim deep in the summer to find colder waters.

### NUTRITION:

Arctic char is a healthy food for humans. It contains calcium, protein, vitamins, and healthy fats that support the brain and heart.





# THE DEVELOPMENT OF ARCTIC CHAR

When it's time to mate, Arctic char often turn a red colour, and male Arctic char develop hooked jaws. The bones in the jaw grow very fast, and the fish use their larger jaws to show dominance. The female will create a nest for her eggs by digging into the gravel at the bottom of a river. This nest is called a "redd." She will "spawn," or lay her 3,000 to 5,000 eggs, about every two or three years. The male Arctic char will often guard the nest area. The eggs hatch after about 2 months, and then the baby Arctic char, or "fry," stay among the gravel until they are about 6 months old.

Arctic char can be "landlocked" or "anadromous." Landlocked Arctic char spend their whole lives in fresh water, such as lakes and rivers. Anadromous Arctic char live in fresh waters for about the first 5 years of their lives, and then they start to migrate every year to the ocean. They spend the summer months in the ocean, where there is more for them to eat. This is why anadromous Arctic char are usually much larger than landlocked Arctic char. At the end of the summer, anadromous Arctic char migrate back to their frozen lakes.

Arctic char are an important species for the ecosystem in the North, and are an important food source for the people of the North.





# FISHING ARCTIC CHAR

"Fishing involves a lot of patience. . . . Arctic Char seem to be sleeping at certain times of the month right underneath the ice and do not move for days."

-Brian Koonoo, Pond Inlet

## KAKIVAAK

- It takes some skill to use a *kakivaak*. You hold the spear beside you, and as you pull the fish out from the hole, they sometimes come off. You must quickly spear them before they go back under the ice.

## USES FOR ARCTIC CHAR

- Frozen Arctic char can be broken with a hammer, and the frozen pieces can be eaten.
- The fish can be dried outside in the summer, which is called "pissi."
- The Arctic char skins were traditionally used to make pouches for holding items.

• At certain times of the year it's easier to catch Arctic char jigging with a lure, by putting the hook just under the ice and letting the lure touch the ice as you jig.

## JIGGING

## NETS

- A wooden jigger "walks" along under the ice as its rope is pulled. These jiggers pull nets from one hole in the ice to another.
- During the dark season, it works best to put nets under the ice, since it's too dark to jig. Some people now put waterproof flashlights on the jigger at night.

## Baked Arctic Char by Nancy Goupil

Have your parents help you cook up this delicious Arctic char recipe!

### You will need:

**2 Arctic char fillets**  
**1 lemon or lime**  
**1 teaspoon salt (optional)**  
**1 onion**  
**Montreal steak spice**  
**Pam spray**  
**1/2 cup butter**

1. Turn on the oven at 350 degrees.
2. Get enough aluminum foil for a cookie sheet, put aside.
3. Spray the cookie sheet with Pam spray so it won't stick to the aluminum foil.
4. Put fish fillets on the cookie sheet.
5. Slice the lemon or lime.
6. Put lemon or lime all around the fish (3 lemon or lime slices for each fillet of fish).
7. Sprinkle some salt on the fish (optional).
8. Sprinkle Montreal steak spice on the fish.
9. Slice the onion and put the slices on top of the fish.
10. If you have leftover lemon or lime, put it on top of the onions.
11. Cut butter into pieces and put in between the fish fillets.
12. Cover cookie sheet with aluminum foil.
13. Bake for 30-45 minutes depending on how big the fish is.





# KIVIUIQ AND THE BEE PEOPLE

BY JAMESIE FOURNIER

ILLUSTRATED BY ANTHONY BRENNAN



Kiviuiq is the most celebrated hero of Inuit storytelling. His adventures and magical skills are the stuff of legend. He has crossed giants, cannibals, and mermaids, among others. Some stories are well known and others less so. Stories can change over time; events are shaped into something we can understand. Something we can accept.

After a particularly hard journey, Kiviuiq was sore and tired. He paddled his *qajaq*, his kayak, along the shore, looking for a place to rest. He came upon a *tupiq*, a tent, and decided to look inside. As he approached, the sky darkened. Clouds tumbled forward, dark with electricity. Kiviuiq felt his stomach turn. He held his paddle close.

The clouds came to a stop and sat humming above. Our hero looked up with worry on his face.

A beam of light suddenly shot from the clouds. It struck Kiviuiq and he was immediately frozen in place. The humming grew louder as Kiviuiq felt himself being pulled out of his *qajaq*. The light grew so bright that eventually our hero fainted under its awesome power.

When he awoke, Kiviuiq found himself lying on a shelf in a large room. He peered over the edge and saw row upon row of beds carved into the walls. When he tried to climb out, he slipped and, instead of falling, he pinwheeled in the air, floating. Kiviuiq then knew this was a dangerous place. He would have to be careful.







As he floated, Kiviuq saw his paddle floating below. Kiviuq knew if he was going to escape, he was going to need his paddle. He started to swim in the air, struggling to inch himself closer and closer to his paddle. His fingertips barely brushed it when gravity suddenly flooded the room, dropping Kiviuq and his paddle to the floor.

As Kiviuq lay on the floor, a calm certainty came over him. "You're not supposed to go," a voice whispered. Startled, Kiviuq jumped to his feet. He turned and saw it: black ovals filled the creature's face, with a tiny slit for a mouth and a nub of a nose. "You're supposed to stay in bed," it whispered into his mind.



Kiviuq had heard stories of the *Iguttarjuik*, ancient bees in human form, but never thought he would meet one. "You are the great Kiviuq. Your spirit is legendary," it said. Kiviuq wrinkled his nose.

"And you, *Iguttarjuk*, your eyes are the stuff of nightmares. Tell me, where are your eyelids?" Kiviuq asked.

"You do not need eyelids to see, hunt—" Kiviuq's paddle suddenly cracked across its face.

"You didn't see that coming, did you, monster!" Kiviuq yelled before he jumped up and drove his paddle into the floor, cracking it wide open.







The room suddenly disappeared, and the iguttarjuk and Kiviug were sucked into the endless cold and dark of space.

The creature pinwheeled out into the blackness. Feeling the familiar tug of gravity, Kiviug fell back to Earth as a shooting star. Soon, he was no longer cold but burning hot. As the sky turned blue, he asked his *tuurngait*, his spirit helpers, to come to his aid.

First, a tiny snow bunting flew up and grabbed the falling Kiviug to slow his descent. As he neared the ground, he pointed his paddle and smashed through the ice like a comet.



After several minutes of eerie silence, a polar bear burst from the water, dragging Kiviug with him. The bear then left him on the shore and prowled back into the waves.

Kiviug coughed up water, turned to his side, and saw his qajaq wash ashore beside him. He smiled as he heard birds caw in the distance. He slowly stood, grabbed his qajaq, and laid it upon the rocks to dry. He then saw the small tupiq from before. Inside, he found a small *qulliq*, a stone lamp, sitting among dry furs. He lit the lamp and hung his wet clothes to dry. He then slumped heavily into the furs, closed his eyes, and fell into a deep and dreamless sleep.



# CAN YOU GUESS WHICH CHILD IS CATCHING THE CHAR?



Illustration: Joseph Starkey

There are lots of different fish in the ocean.

Can you circle all the Arctic char?



Illustration: Emma Pedersen



# KAAKULLUK

Publisher: Neil Christopher  
Editors: Louise Flaherty (Inuktitut)  
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Anne Fullerton (English)  
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and Astrid Arijanto  
Designer: Fabiana Marino

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[www.inhabitmedia.com](http://www.inhabitmedia.com)

We acknowledge the support of the  
Canada Council for the Arts for our publishing  
program.

This project was made possible in part by the  
Government of Canada.

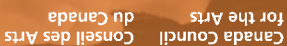
Canada



Canada Council  
for the Arts

Conseil des Arts  
du Canada





Canada

program.

We acknowledge the support of the  
Canada Council for the Arts for our publishing

www.inhabitmedia.com

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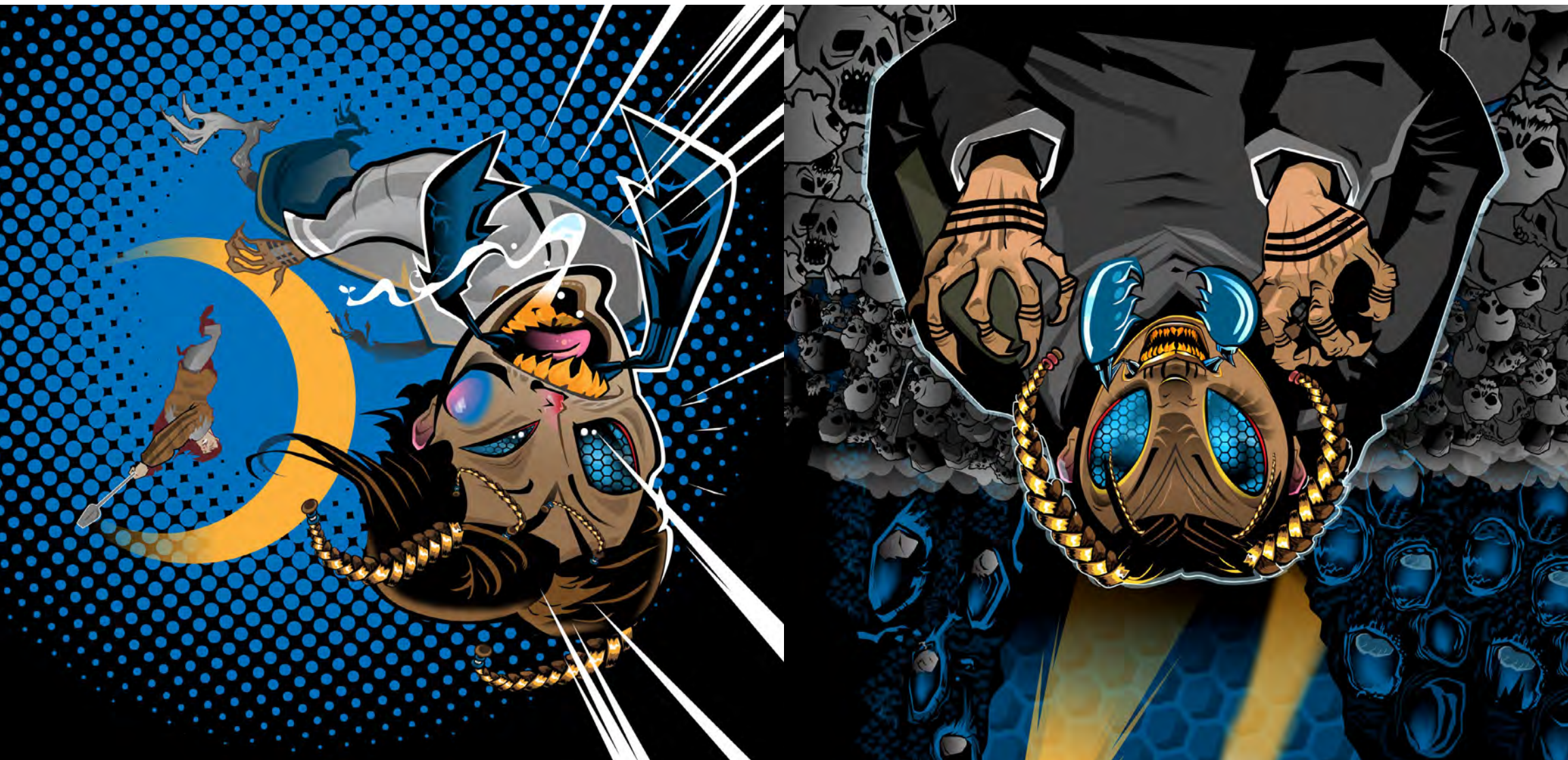


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Photograph: slowmotiongli/shutterstock

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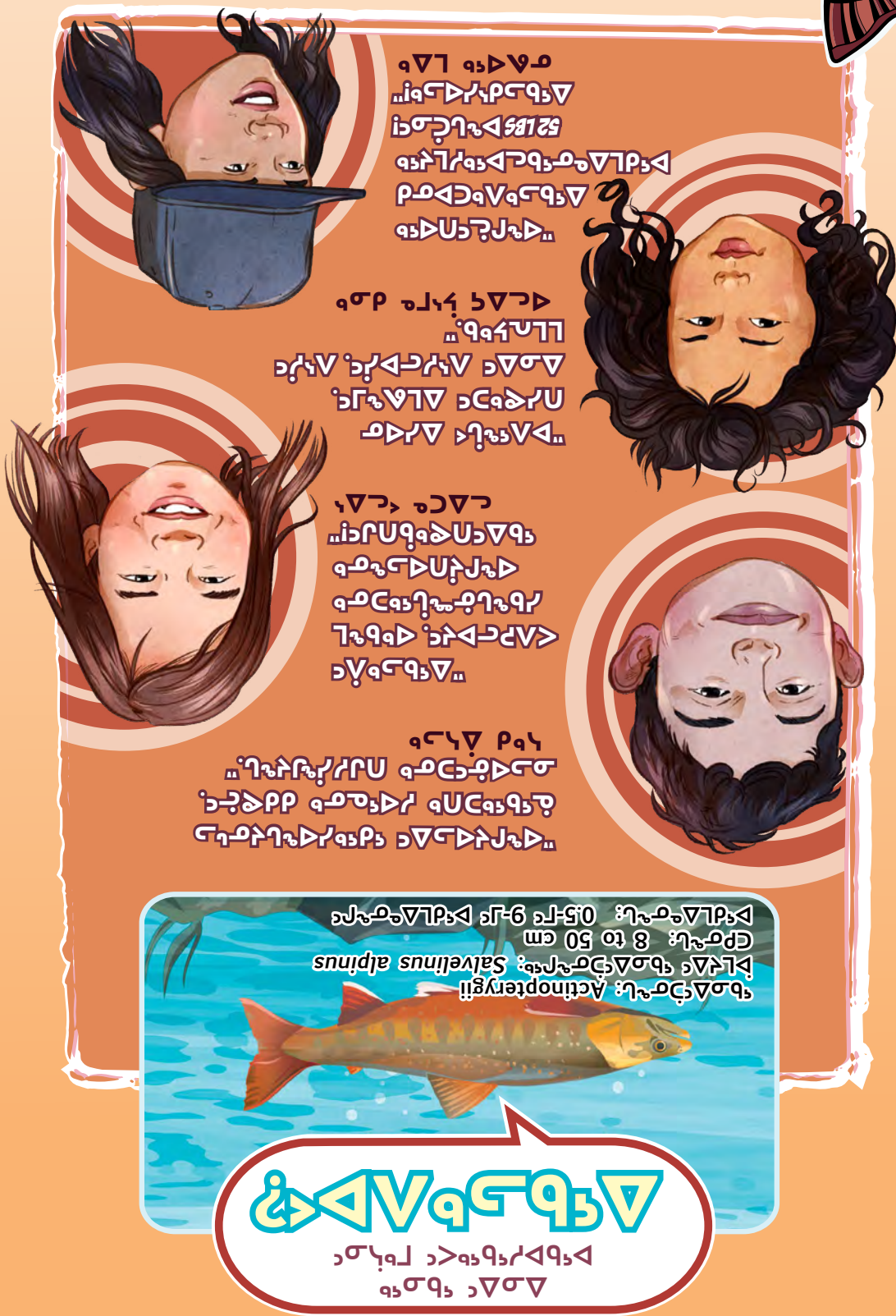




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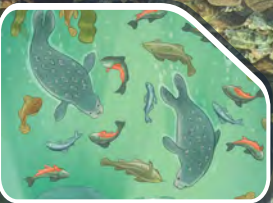
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**የፖሊስ ምክር ቤት**

[illegible]