

# MERMAIDS & FROZEN BUBBLE LAKES

## TIMELESS WONDER



*“The most beautiful things in the world cannot be seen or touched, they are felt with the heart.”*

ANTOINE DE SAINT-EXUPÉRY,  
THE LITTLE PRINCE

LET'S GO WONDER AT



Lake Abraham  
Alberta, CANADA

Lake Abraham is an artificial lake and also Alberta's largest reservoir.

Its frozen landscape is a winter wonderland for photographers.

It is located in the Kootenay Plains area located in the front range of the Canadian Rockies, on the North Saskatchewan River in western Alberta, Canada.

# IMAGINE: MERMAIDS

A MERMAID IS A MYTHOLOGICAL CREATURE with a female human upper body and the tail of a fish.

Mermaids are said to live mostly in the water, although sometimes they are known to come above the surface of the waters and sit on the rocks.

## THE FIRST TALES TOLD OF A MERMAID

appeared in Assyria, around 1000 BC.

The goddess Atargatis loved a shepherd and accidentally killed him.

She was so sad she jumped into a lake to become a fish, but the waters would not let her beauty be hidden.

Because of this, she turned into a mermaid.

## “THE LITTLE MERMAID”

is a fairy tale written by Danish author Hans Christian Andersen.

The story follows the journey of one special young mermaid who is willing to give up her life as a mermaid in exchange to gain a human soul.

# WONDER: FROZEN BUBBLE LAKES

## THE UNUSUAL AND FASCINATING BUBBLES

you see under the surface on a frozen lake are methane gas being released from decaying plants and other organic matters at the bottom of the lake or a pond. As the gas rises to the top, it freezes and becomes a wonderful phenomenon as it comes into contact with the frozen water.

## WHEN SUMMER TIME ROLLS AROUND,

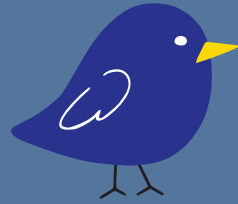
the trapped bubbles simply pop when they reach the surface and enter the atmosphere.

## METHANE GAS

that is trapped within these bubbles is incredibly flammable.

It traps heat 25 times more than carbon dioxide.

If there is a crack in the ice, the odorless methane gas will be released, so do not hold a match or a lighter nearby.



## *Rediscover Wonder Together*

Q: Where in the world can you find frozen bubble lakes?

Q: Which types of fish live inside Abraham Lake?

Q: If you were to make a piece of art out of ice, what would it be?

Q: Which marine mammal was often mistaken for a mermaid?

Q: How are mermaids and sirens different?

Q: If you were a mermaid, which ocean would you live in?

Visit [www.jaqjaqbird.com](http://www.jaqjaqbird.com) to explore answers and learn more about Mermaids & Frozen Bubble Lakes.



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