**102 SECRETS OF THE WHALES**

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Ep102\_SecretsOfTheWhales\_001.jpg

Underwater cinematographer Adam Geiger prepares to dive with humpback whales. (National Geographic for Disney+/Brian Armstrong)

Ep102\_SecretsOfTheWhales\_002.jpg

Antarctic icebergs dwarfed the team's expedition vessel, The Australis, while the team filmed humpbacks at the bottom of the world. (National Geographic for Disney+/Hayes Baxley)

Ep102\_SecretsOfTheWhales\_003.jpg

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Ep102\_SecretsOfTheWhales\_004.jpg

Writer/Director Brian Armstrong led the 45-day Planet of the Whales expedition to Antarctica. (National Geographic for Disney+/Hayes Baxley)

Ep102\_SecretsOfTheWhales\_005.jpg

One obstacle stands between South America and the Antarctic Peninsula: the infamous Drake's Passage. The Planet of the Whales team referred to the sea conditions as "being stuck inside a washing machine." (National Geographic for Disney+/Hayes Baxley)

Ep102\_SecretsOfTheWhales\_006.jpg

Director of Photography Hayes Baxley rests aboard The Australis expedition vessel in Antarctica. The Planet of the Whales team filmed for 45 days at the bottom of the world. (National Geographic for Disney+)

Ep102\_SecretsOfTheWhales\_007.jpg

The Cook Islands are as remote as it gets - a group of volcanic islands surrounded by the Pacific Ocean, and an important stop for migrating humpbacks. (National Geographic for Disney+/Hayes Baxley)

Ep102\_SecretsOfTheWhales\_008.jpg

A humpback whale shows its fluke before a deep dive underneath one of Antarctica's icebergs. (National Geographic for Disney+/Hayes Baxley)

Ep102\_SecretsOfTheWhales\_009.jpg

Whales are oceanic mammals - they need air to breathe, and they do so through a strategically positioned blowhole at the top of their heads. The force of an exhale is great, sending water 15 feet up at an impressive 300 miles per hour. (National Geographic for Disney+/Hayes Baxley)

Ep102\_SecretsOfTheWhales\_010.jpg

Humpback whales undergo one of the longest migrations of any mammal on Earth - over 6,000 miles. (National Geographic for Disney+/Adam Geiger)

Ep102\_SecretsOfTheWhales\_011.jpg

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Ep102\_SecretsOfTheWhales\_012.jpg

Scientists believe humpbacks breach to communicate to other whales - although it also looks like fun. (National Geographic for Disney+/Hayes Baxley)

Ep102\_SecretsOfTheWhales\_013.jpg

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Ep102\_SecretsOfTheWhales\_014.jpg

Humpback whale calves are born more than 10 feet long. (National Geographic for Disney+/Adam Geiger)

Ep102\_SecretsOfTheWhales\_016.jpg

The humpback's tail - called a fluke - has patterns as unique as a human fingerprint. Scientists use them to identify individuals year after year. (National Geographic for Disney+/Hayes Baxley)

Ep102\_SecretsOfTheWhales\_017.jpg

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Ep102\_SecretsOfTheWhales\_019.jpg

Only male humpbacks sing their famous songs - perhaps to attract a willing mate. (National Geographic for Disney+/Adam Geiger)

Ep102\_SecretsOfTheWhales\_020.jpg

Humpbacks and other whales "spyhop," where they stick their heads out of the water. It may be to get a better view - or listen in - to action at the surface. (National Geographic for Disney+/Brian Armstrong)

Ep102\_SecretsOfTheWhales\_021.jpg

A group of humpbacks approach biologist Nan Hauser and National Geographic photographer Brian Skerry while on assignment for Planet of the Whales. (National Geographic for Disney+/Hayes Baxley)