

**NIAGARA FALLS IS FAMOUS FOR ITS SCENIC SPLENDOUR AND DISTINCTIVE
NATURAL FEATURES**

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ABSTRACT

Niagara Falls is a group of three waterfalls at the southern end of Niagara Gorge, spanning the border between the Canadian province of Ontario and the U.S. state of New York. Niagara Falls is famous for its scenic splendour and distinctive natural features. It is situated on the border between Ontario, Canada, and New York State, U.S. Niagara Falls is renowned for the sheer volume of water that cascades over its cliffs. This stunning phenomenon occurs when sunlight hits the mist at just the right angle, creating a circular rainbow (also called a “glory”) that appears to be *inside* the falls. Unlike the typical arched rainbows we see in the sky, this one forms a full, glowing ring within the powerful rush of water.

KEYWORDS: American Falls, Bridal Falls and the largest – Horseshoe Falls.

INTRODUCTION

Niagara Falls lies on the Niagara River on the border between the USA and Canada. They're actually comprised of three separate falls; **American Falls, Bridal Falls and the largest – Horseshoe Falls.**

American Falls most commonly refers to one of the three waterfalls making up Niagara Falls, located entirely in the U.S. (New York) on the Niagara River, known for its height and being adjacent to **Bridal Veil Falls** and the

massive **Horseshoe Falls**. It can also refer to the city of American Falls, Idaho, an agricultural hub on the Snake River. The American Falls is the second largest of the three waterfalls that together are known as Niagara Falls on the Niagara River along the Canada–United States border. Unlike the much larger Horseshoe Falls, of which approximately 90% is in Ontario, Canada, and 10% in the U.S. state of New York, the American Falls is entirely within the United States.



Figure-1: Niagara Falls with rainbow.

American Falls (Niagara Falls, NY)

Location: Niagara Falls, New York, U.S.

Part of: Niagara Falls, alongside Horseshoe Falls (mostly Canada) and Bridal Veil Falls (U.S.).

Features: A significant part of the iconic falls, offering stunning views from the American side (Prospect Point).

Water Source: The Niagara River, fed by the Great Lakes.

Horseshoe Falls is the largest of the three waterfalls that collectively form Niagara Falls on the Niagara River along the Canada–United States border. Approximately 90% of the Niagara River, after diversions for hydropower generation, flows over Horseshoe Falls. The remaining 10% flows over American Falls and Bridal Veil Falls. It is located between Terrapin Point on Goat Island in the US state of New York, and Table Rock in the Canadian province of Ontario. These falls are also referred to as the Canadian Falls. Horseshoe Falls refers

primarily to the largest and most powerful section of Niagara Falls, located on the Canada-U.S. border, known for its massive volume of water flowing over a distinct curved crest, though other smaller waterfalls share the name in places like South Africa, Tasmania, and Wisconsin.

Niagara's Horseshoe Falls

Location: Straddles the border between Ontario, Canada, and New York, USA, on the Niagara River.

Size & Power: The most voluminous waterfall in North America, carrying about 90% of the Niagara River's flow.

Appearance: Named for its curved, horseshoe shape, creating significant mist and a thundering roar.

Dimensions: Water drops about 51 meters (167 feet) over a crest approximately 820 meters (2,700 feet) wide.



Figure-2: American Falls.

Whether it's the iconic power of Niagara or the unique beauty of smaller falls, Horseshoe Falls denotes a natural wonder shaped by water, earning its name from its distinctive U-shape. Horseshoe Falls is the largest of the three waterfalls that collectively form Niagara Falls on the Niagara River along the Canada–United States border. Approximately 90% of the Niagara River, after

diversions for hydropower generation, flows over Horseshoe Falls. The remaining 10% flows over American Falls and Bridal Veil Falls. It is located between Terrapin Point on Goat Island in the US state of New York, and Table Rock in the Canadian province of Ontario. These falls are also referred to as the Canadian Falls.



Figure-3: Horseshoe Falls.

Over **6 million cubic feet (168,000 cubic meters)** of water flows over Niagara Falls every minute during peak daytime hours, a massive volume equivalent to about **3,160 tons per second**, with most pouring over the Horseshoe Falls. This flow is regulated by treaty for power generation, meaning it's less at night and in

winter, but typically exceeds 100,000 cubic feet (2,832 cubic meters) per second during tourist season.

Average Peak Flow: Over 168,000 cubic meters (6 million cubic feet) per minute.

Per Second: Roughly 3,160 tons or over 75,000 gallons (280,000 liters).

Regulated Flow: A treaty ensures a minimum flow for tourism and power, with higher volumes during the day in peak seasons.

Horseshoe Falls: Carries about 90% of the total water.



Figure-4: Niagara in Ontario map.

An astounding 3,160 tons of water flows over Niagara Falls every second. This accounts for 75,750 gallons of water per second over the American and Bridal Veil Falls and 681,750 gallons per second over the Horseshoe Falls. The deepest section in the Niagara River is just below the falls. It is so deep that it equals the height of the falls above: 52 metres (170 ft.) The Upper Niagara River extends 35 kilometres (22 mi.).

CONCLUSION

Niagara Falls, city, regional municipality of Niagara, south-eastern Ontario, Canada. It lies on the west bank of the Niagara River, opposite Niagara Falls, New York.

REFERENCES

1. https://en.wikipedia.org/wiki/Niagara_Falls,_Ontario