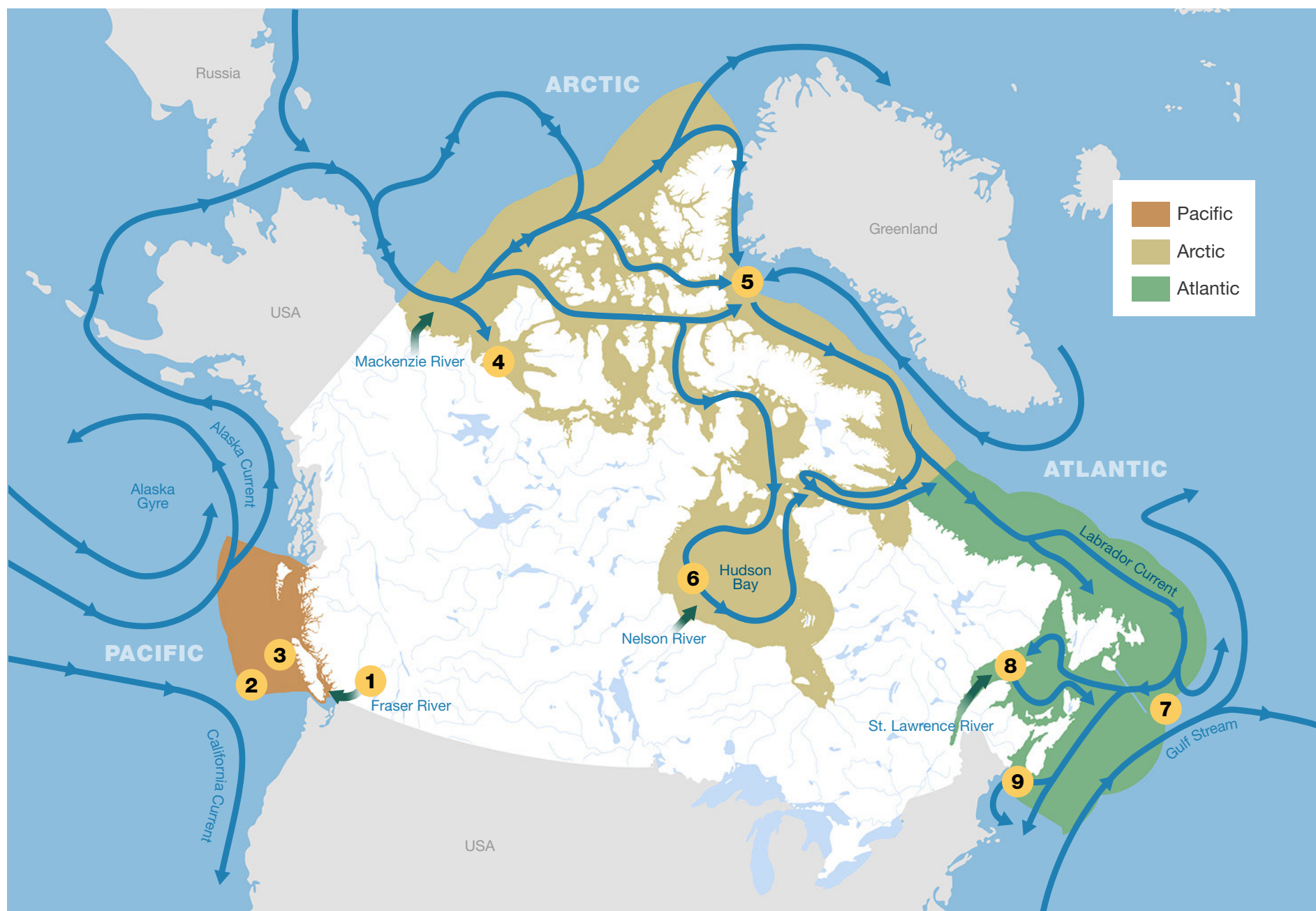


The ins and outs of Canada's oceans

There is an incredible diversity of unique ecosystems in Canada's marine waters



PACIFIC

- 1** The **Fraser River Estuary** supports a wide diversity of plant and animal life, including seven salmon species
- 2** **Hydrothermal vents** are huge chimney-like structures that release plumes of hot, chemical-rich water that support one of the highest levels of microbial diversity on earth
- 3** The **upwelling of deep ocean water** brings nutrients to coastal waters supporting phytoplankton growth and ecosystem health, attracting migratory species

ARCTIC

- 4** **Anguniaqvia niqiqyuam Marine Protected Area** provides important habitat for many Arctic marine species and is near a bowhead whale feeding area
- 5** The **North Water Polynya** has areas of open water all year, providing needed resources for many species
- 6** **Estuaries in western Hudson Bay** attract nearly 30% of the global population of beluga whales

ATLANTIC

- 7** The **Grand Banks of Newfoundland**, where the warmer Gulf Stream meets with the cooler Labrador Current, is a highly productive area for marine life
- 8** The **St. Lawrence River** meeting the Atlantic Ocean forms a rich and diverse estuary ecosystem
- 9** The **Bay of Fundy's** massive tides and strong currents cycle nutrients and concentrate plankton, resulting in an abundant food supply for whales, seabirds, and other marine species

