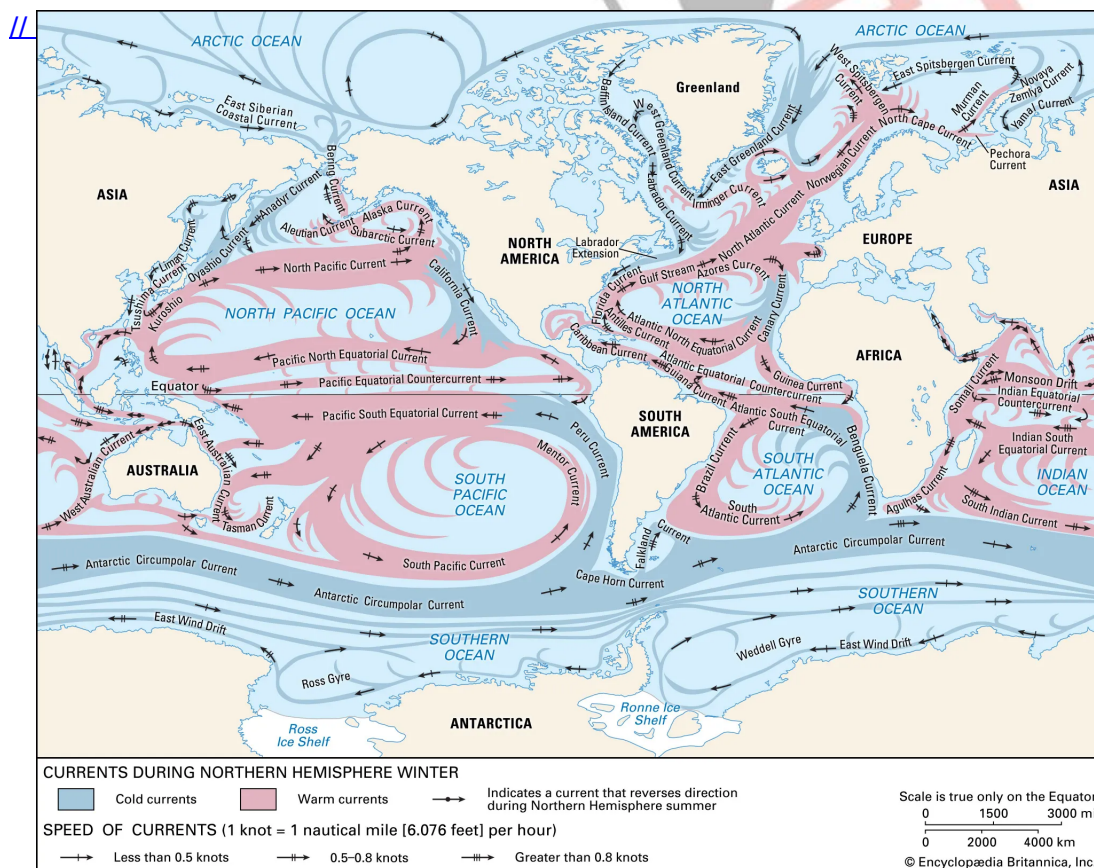




Antarctic Circumpolar Current (ACC)

Scientists have discovered an **ancient underwater mountain range** hidden within the world's strongest ocean current, the **Antarctic Circumpolar Current**.

- The **ACC** flows from **west to east** around **Antarctica**, connecting the **Atlantic, Indian, and Pacific Oceans**. It is the only current that flows completely around the globe.
- It is exceptionally wide, with a width of about **1250 kilometers**, making it the **widest of all ocean currents**.
- It plays a crucial role in **global ocean circulation** and **climate regulation**. It redistributes heat and influences the global climate system.
- The ACC is also known as the **West Wind Drift** because it is primarily driven by the **strong westerly winds** that circle **Antarctica** in the **Southern Hemisphere**.
- It forms the **Antarctic Convergence**, where the **cold Antarctic waters** meet the **warmer waters** of the **subantarctic**, creating a zone of **upwelling nutrients** and **high biological productivity**.



Read More: [Southern Ocean](#)

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