

WRAP Exams · wrapexams.com

Prelims PYQ, Mains model answers, and copy evaluation. Write to the desk for this paper, a doubt, or the AI waitlist.

ask@wrapexams.com · +91 85951 84903 · wrapexams.com

Q17

How do ocean currents and water masses differ in their impacts on marine life and coastal environment? Give suitable examples.

UPSC Civil Services Mains 2019 · GS I · 15 marks · World's Physical Geography

Salient features of world's physical geography.

Facts & figures for this PYQ only.

Numbers move. Confirm the latest Budget, Economic Survey or census round. This sheet is for revision, not a substitute for the model answer.

<https://wrapexams.com/upsc/mains-answers/gs-1/2019/how-do-ocean-currents-and-water-masses-differ-in-their-impacts-on-marine-life-and-coastal-environment-give-suitable-examples/>

Humboldt (Peru) Current

Cold eastern-boundary current whose upwelling supports a major anchovy fishery, sensitive to El Niño.

Somali Current

Seasonal western Indian Ocean current linked to monsoon upwelling off the Horn of Africa.

North Atlantic Deep Water

Dense water mass that sinks and helps drive the global thermohaline circulation.

Arabian Sea oxygen minimum zone

Thick low-oxygen layer that limits some marine life and shapes microbial chemistry.

Bay of Bengal low-salinity layer

River-fed surface mass that differs from the saltier Arabian Sea and affects storms and blooms.

WRAP Exams · Write. Read. Analyse. Practice. · <https://wrapexams.com/upsc/mains-answers/gs-1/2019/how-do-ocean-currents-and-water-masses-differ-in-their-impacts-on-marine-life-and-coastal-environment-give-suitable-examples/> · ask@wrapexams.com · wrapexams.com