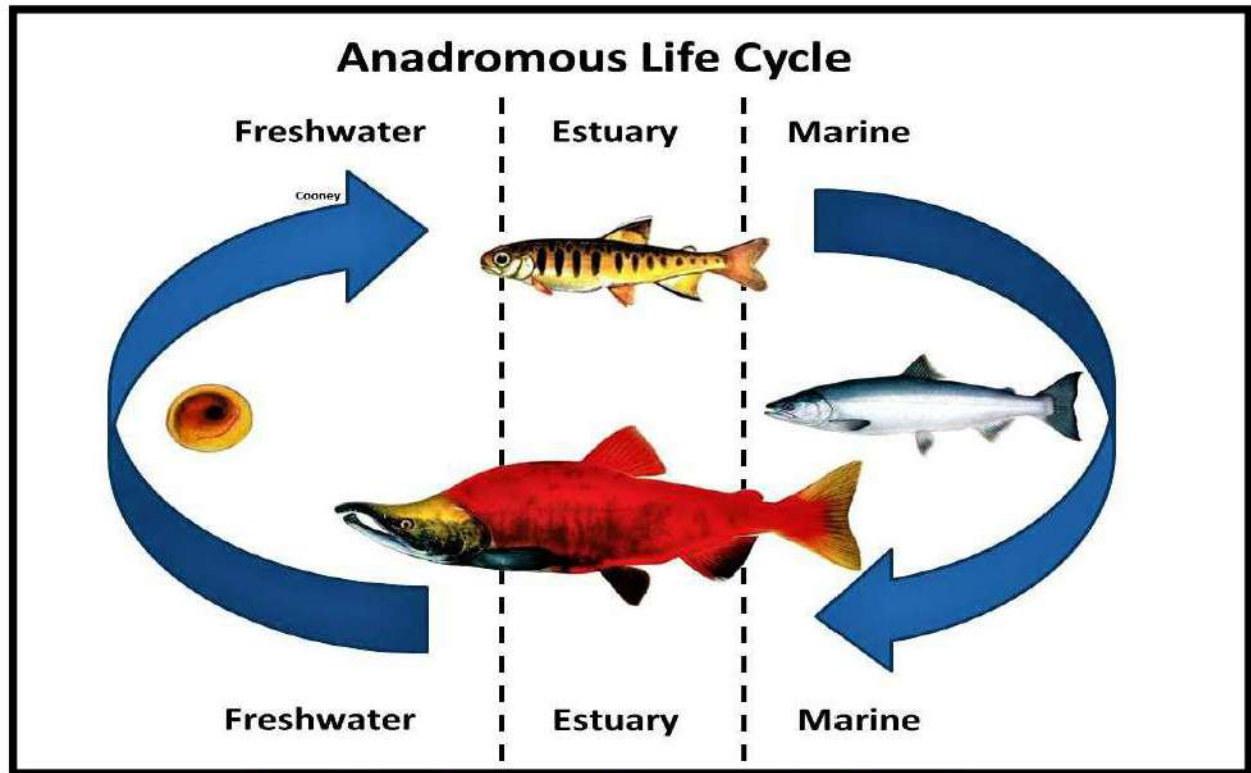


Fisheries Sample Notes for IBPS AFO Mains Exam

Classification

Anadromous Migration



Oceanodromous Migration

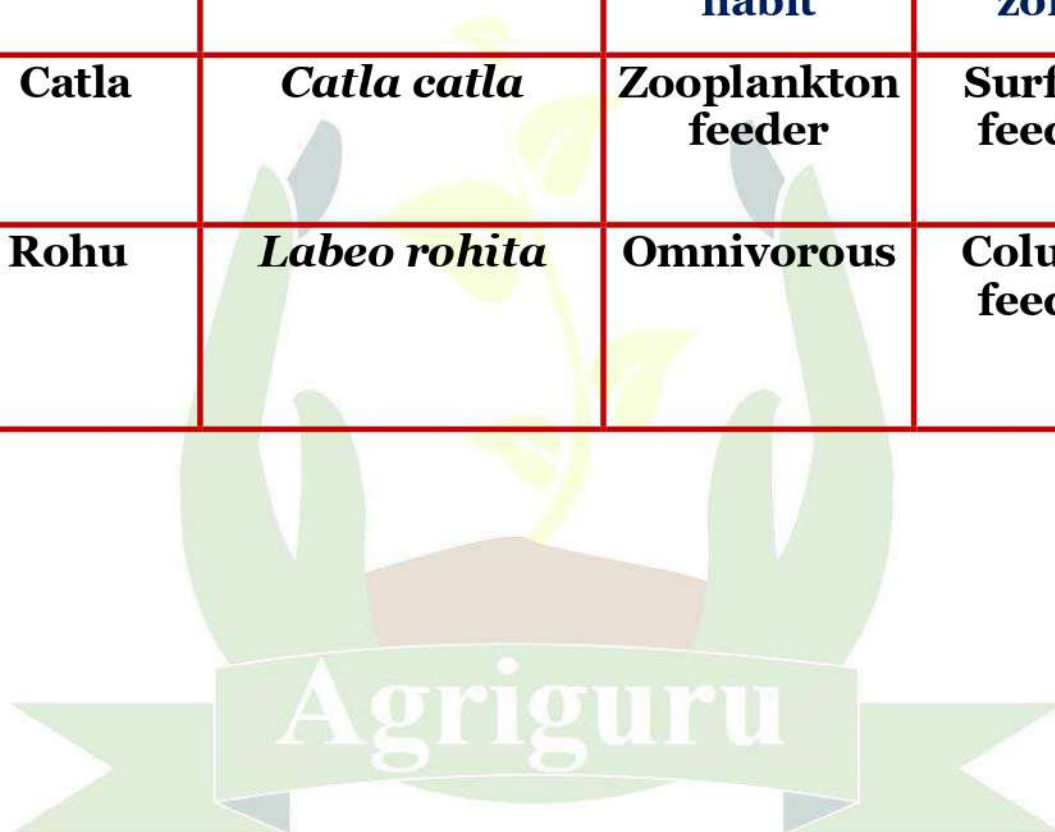
- ✓ **Oceanodromous fish** migrate within salt water only (Greek: 'Oceanos' is ocean)

Fisheries Sample Notes for IBPS AFO Mains Exam

- Mrigal (*Cirrhinus cirrhosus*)

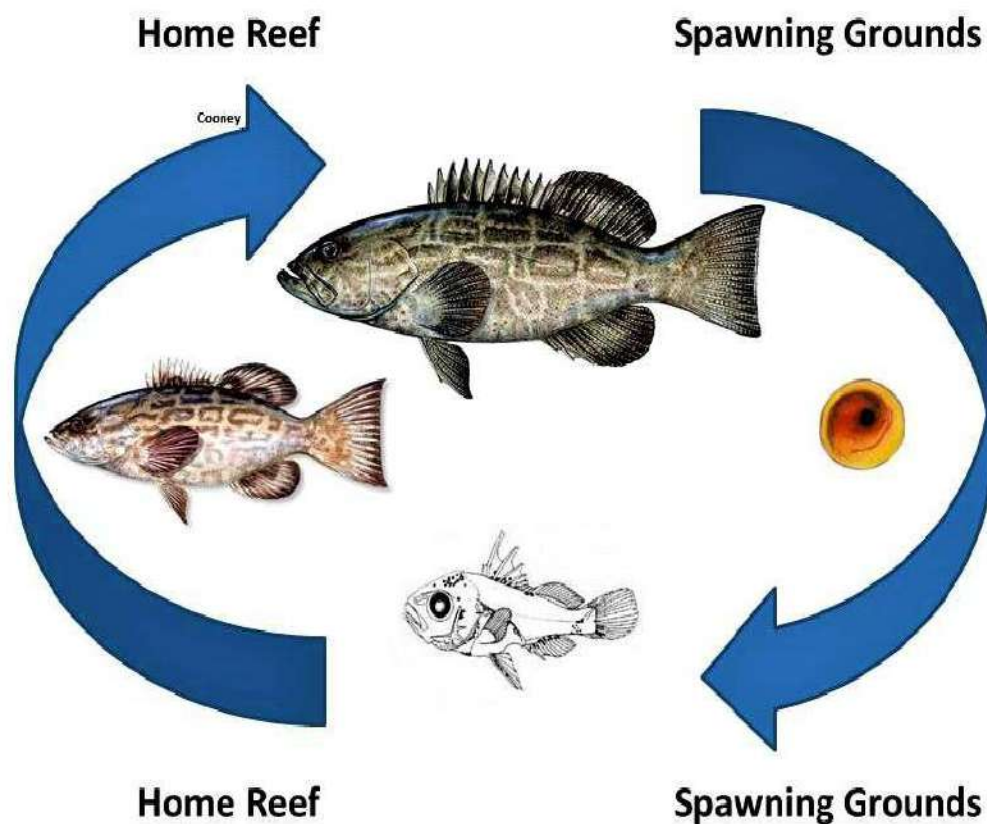
Species Feeding Habit and Feeding Zone of Indian Major Carps

Name	Scientific name	Feeding habit	Feeding zone
Catla	<i>Catla catla</i>	Zooplankton feeder	Surface feeder
Rohu	<i>Labeo rohita</i>	Omnivorous	Column feeder



Fisheries Sample Notes for IBPS AFO Mains Exam

Oceanodromous Life Cycle



Fisheries Sample Notes for IBPS AFO Mains Exam

Rates of daily supplementary feeding at various stages of culture

Stage	Daily feeding rate
Spawn to fry	4–8 times of the initial body weight
Fry to fingerlings	50–100% of the initial body weight
Growers	1 – 2%
Brood fish	1 – 3%



Fisheries Sample Notes for IBPS AFO Mains Exam

Fisheries

Fisheries Science Institutes

Name of the Institute	Location	Established (year)
ICAR - Central Marine Fisheries Research Institute	Kochi, Kerala	1947
ICAR - Central Inland Fisheries Research Institute	Barrackpore, West Bengal	1947

Fish Migration

- Many types of fish migrate on a regular basis, on time scales ranging from daily to annual, and over distances ranging from a few meters to thousands of kilometres.
- Fish usually migrate **because of diet or reproductive needs; although in some cases the reason for migration remains unknown.**

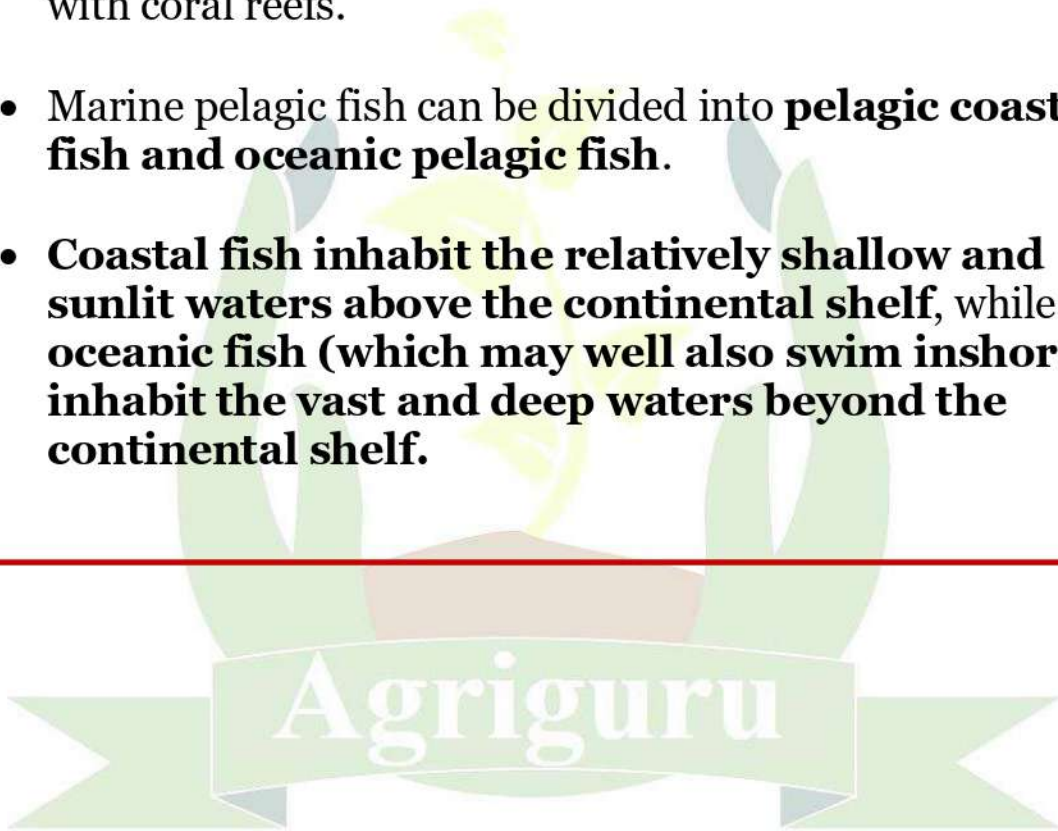
Fisheries Sample Notes for IBPS AFO Mains Exam

MARINE FISHERIES

Fisheries: Capture Fish

PELAGIC FISH

- Pelagic fish live in the pelagic zone of ocean or lake waters - being neither close to the bottom nor near the shore - in contrast with demersal fish, which do live on or near the bottom, and reef fish, which are associated with coral reefs.
- Marine pelagic fish can be divided into **pelagic coastal fish and oceanic pelagic fish**.
- **Coastal fish inhabit the relatively shallow and sunlit waters above the continental shelf, while oceanic fish (which may well also swim inshore) inhabit the vast and deep waters beyond the continental shelf.**



Fisheries Sample Notes for IBPS AFO Mains Exam

Layers of the pelagic zone



Fisheries: Capture Fish

DEEP SEA FISH

- Deep-sea fish are fish that live in the darkness below the sunlit surface waters, which is below the epipelagic or photic zone of the ocean.
- The **lantern fish** is, by far, the most common deep-sea fish.

Carps

Species Suitable for Farming

- The **commonly cultivated 6 species**–
- Catla (*Catla catla*),
- Rohu (*Labeo rohita*),

Fisheries Sample Notes for IBPS AFO Mains Exam

Packing density of fry/fingerlings of Indian major carps for 12-hour journey

Seed size (cm)	No. of seed (Range)	No. of seed (Average)
1	1000 – 10000	5500
2	500 – 5000	2200
3	200 – 1000	600
4	200 – 500	330
5	75 – 300	225
6	50 – 200	80
7	25 – 100	70
8	25 – 50	40

Fisheries Sample Notes for IBPS AFO Mains Exam

Fisheries: Capture Fish

DEMERSAL FISH

- **Demersal fish** live and feed **on or near the bottom of seas or lakes (the demersal zone)**.
- They occupy the **sea floors and lake beds**, which usually consist of mud, sand, gravel or rocks.

1. **Benthic fish, sometimes called groundfish, are denser than water, so they can rest on the sea floor**



Fisheries Sample Notes for IBPS AFO Mains Exam



Catla



Rohu

Agriguru

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