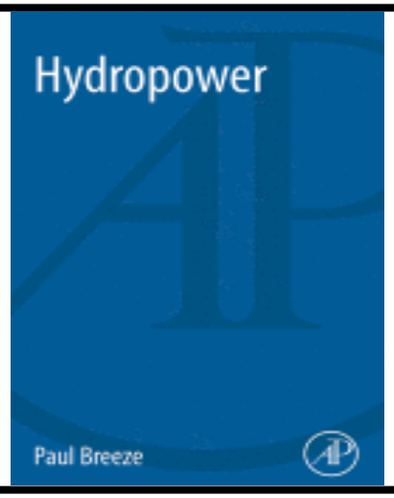
How to Mitigate the Negative Impacts of Hydrogen Dams on Migration Fish in China?

Siheng YE-20614953



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What is a dam?

- a structure built across a river to block it, creating a reservoir to generate hydroelectric power and prevent flooding.

How do dams affect migration fish?

- Dams create barriers for fish to migrate.
- The construction of dams causes destruction to their natural habitat.

How do dams affect migration fish?

- cut off migration passage
- fragment habitat
- alter flow patterns
- change the connectivity between river and lake
- change water temperature and water level fluctuation

How to mitigate the impact?

- adjust reservoir action in the spawning season
- scientific arrangement man-made flood peak

Why the fishway is built?

- Natural river channels have been cut off by concrete dams, hindering the migration pathways of fish.
- Methods like fish-lifting machines are not effective because they need manual operation.

How does the fishway work?

- the fishway meanders with three folds at both ends→reduce the occupation of riverbank resources
- vertical gap baffles were designed→ provide resting places for fishes