



# District level action points

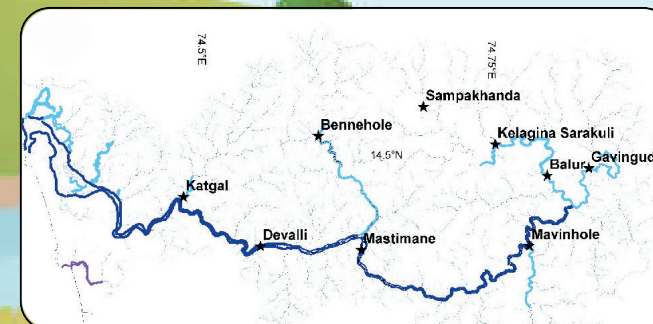
- Conduct regular monitoring of the riparian zones.
- Carry out research on the status of the riparian zones.
- Involve communities for assessment and restoration of the riparian zones.
- Prepare IEC materials on riparian zone management
- Enforce proper land use planning
- Remove the illegal encroachment of the riparian zones.
- Conserve natural resources and local biodiversity.
- Reforest the riparian zones.
- Provide support for organic farming.
- Provide support for micro irrigation.



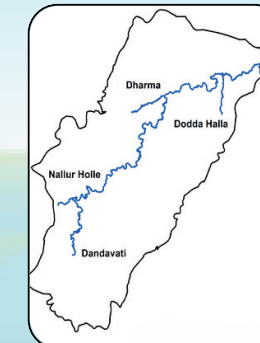
# Infographic for the river basin authorities on the riparian zone challenges in Karnataka

September 2023

Aghanashini River



Varada River



Bedti River



## In this you will learn

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What is Riparian Zone?

2

What is Riparian Zone Management?

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Key Challenges

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Benefits and Ecosystem Functions

6

Institutional Response

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# 1 What is Riparian Zone?



A Riparian zone is the land along rivers or streams that influences and is influenced by water.

## Relevant SDGs



# 2

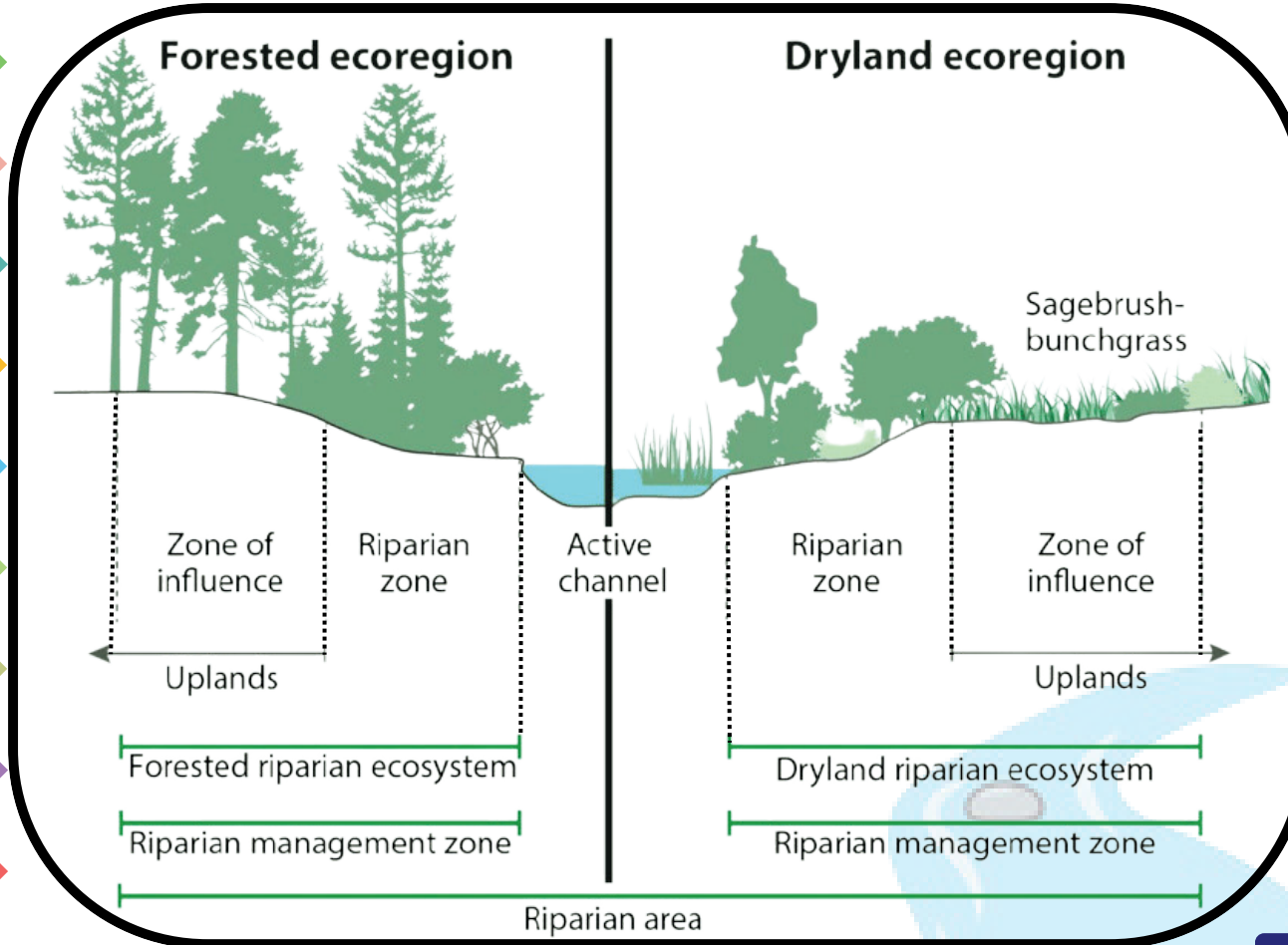
## What is Riparian Zone Management?

Riparian zone management refers to the planning, conservation, and sustainable use of the areas of land adjacent to rivers, streams, lakes, or other bodies of water.

# 4 Key Challenges

- Lack of awareness and regulation
- Over-exploitation of water resources
- Rapid climate change
- Erosion and sedimentation
- Pollution
- Deforestation
- Introduction of non-native species
- Unsustainable agriculture
- Rapid urbanization and development
- Conflict of interests

## Riparian Zone Management



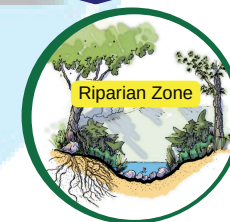
# 3 Key Solutions

- Implementation of riparian buffer zones
- Promote sustainable agricultural practices
- Develop strategies for climate adaptation
- Restore degraded riparian areas
- Develop and enforce land use planning
- Sensitize to key stakeholders
- Promote the use of best management practices

# 6 Institutional Supports?



# 5



Ecological function

- Climate regulation
- Flood buffering
- Shading stream channel
- Refuge for regional biodiversity
- High primary productivity

Socio-economic function

- Flood control
- Support for agriculture
- Forestry development
- Recreational activities
- Livelihood development

What measures can be taken at the district level?  
Turn the page