

# Bagmati Action Plan

*Presented By  
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# Nepal: General Information

## Location:

Nepal is the Himalayan Kingdom known as the Land of the Mt. Everest and the birthplace of Lord Buddha. The country is situated in South Asia, bordered on the north by China and on the south, west and east by India.



# Nepal: General Information

## **Topographical Features:**

Nepal is a mountainous country with the Himalayan belt in the north, the hilly region and fertile valleys in the Middle and the narrow strip of plain Terai in the South, all running parallel to each other from East to West.

## **Climate:**

Owing to the varied topography, the country has diverse climatic conditions. It is generally cold in the mountainous region, mild weather in the hills, and warm in the plains.

**Rainfall:** 1,500 -2,500mm (average)

## **Capital:**

Kathmandu, a historical city with rich cultural heritage is Nepal's capital with 1.5 million population.

# Kathmandu Valley

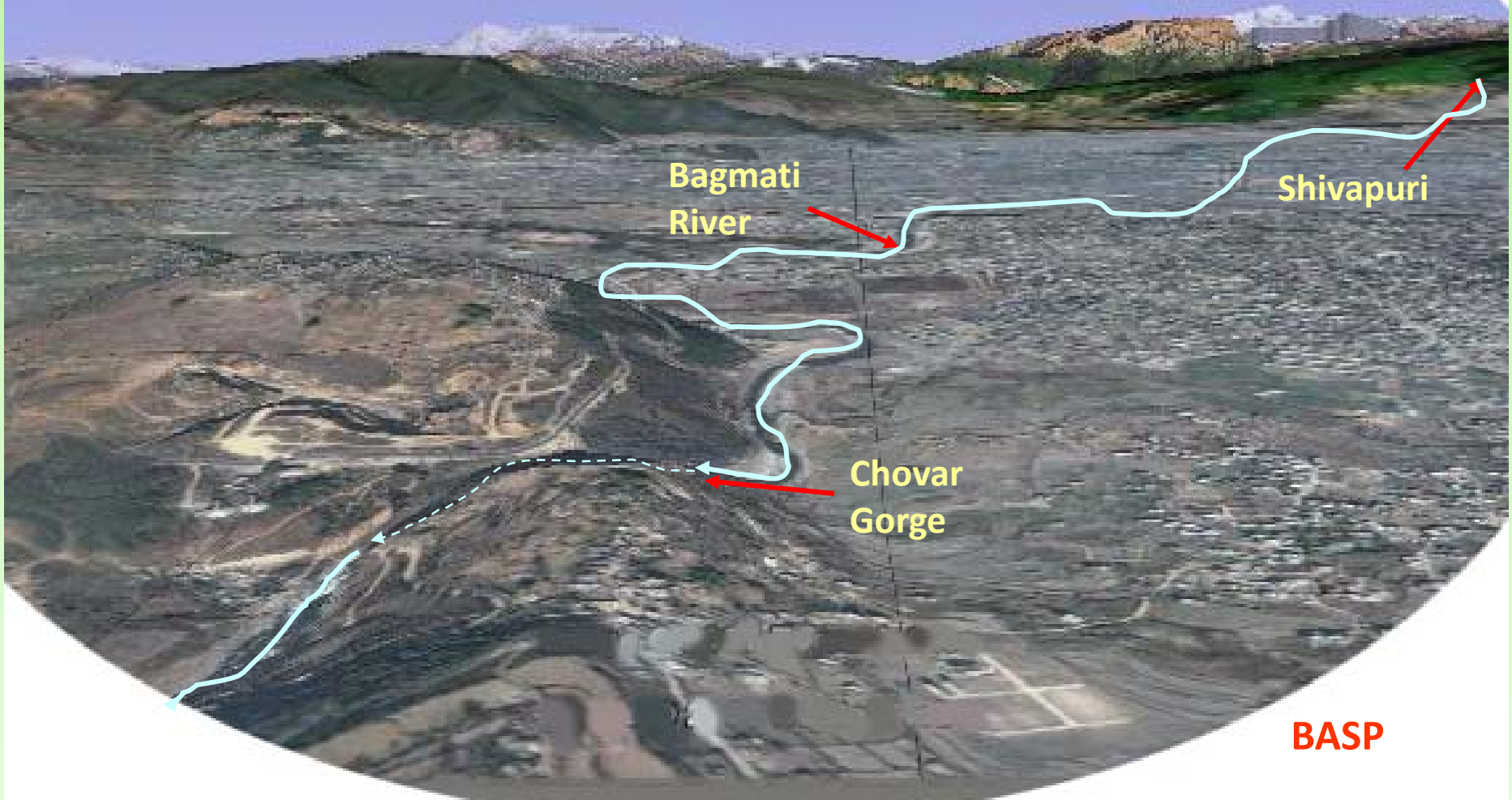


Bagmati  
River

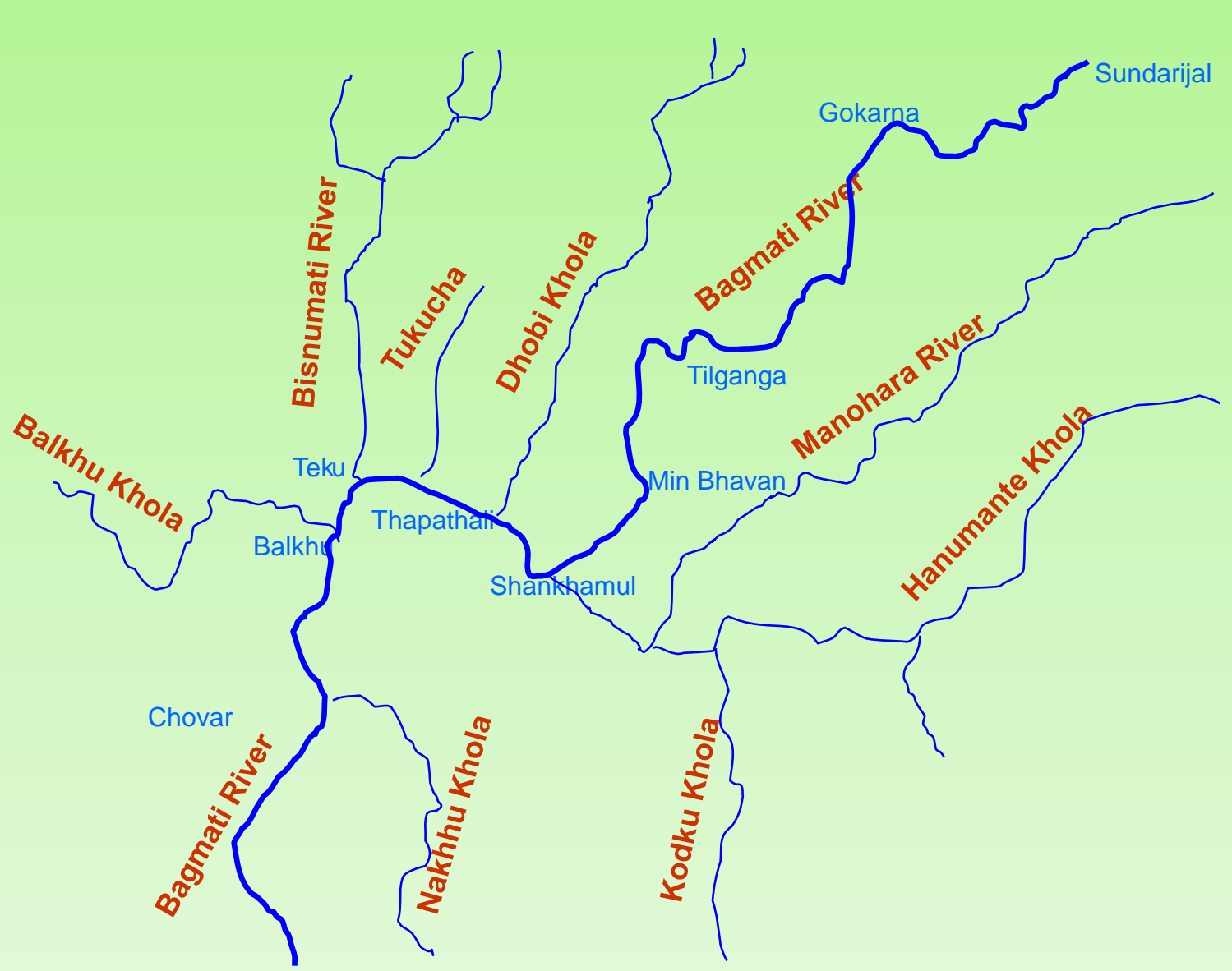
Shivapuri

Chovar  
Gorge

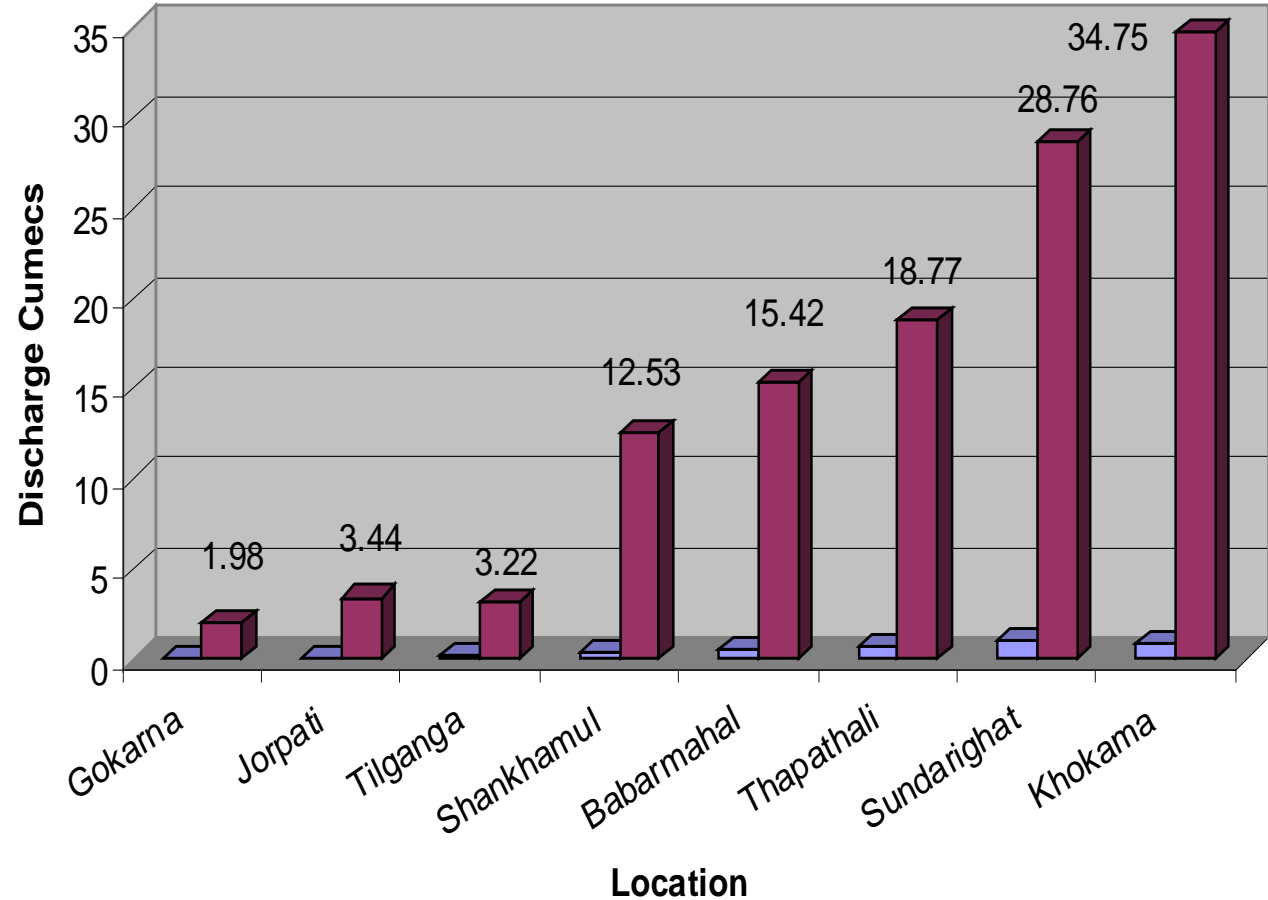
BASP





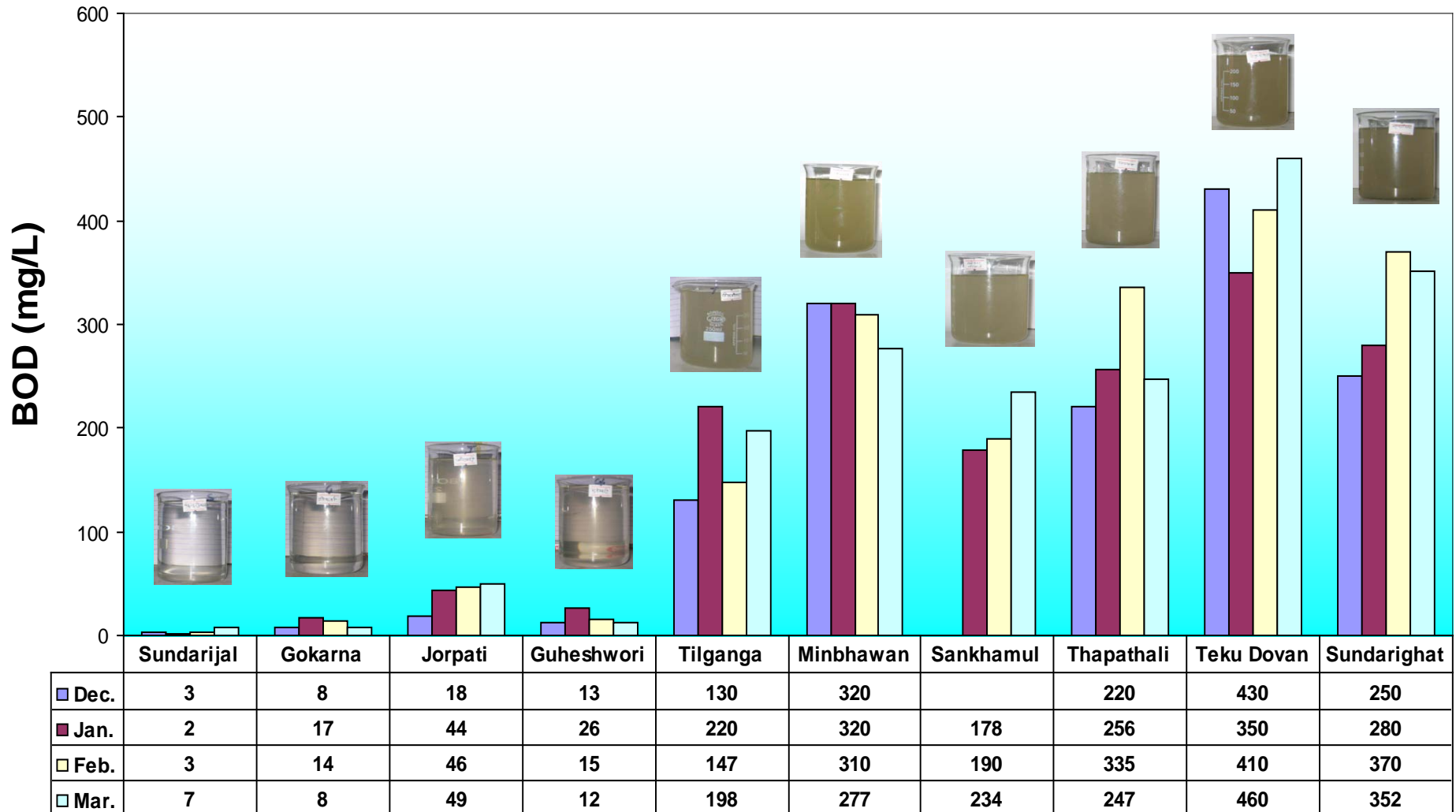


# Discharge of Bagmati River



■ Dry Season Discharge m3/s    ■ Monsoon Discharge m3/s

# Variation of BOD along Bagmati River







# Bagmati Action Plan (2009-2014)

# Zoning

Zone 1: Natural Conservation Zone

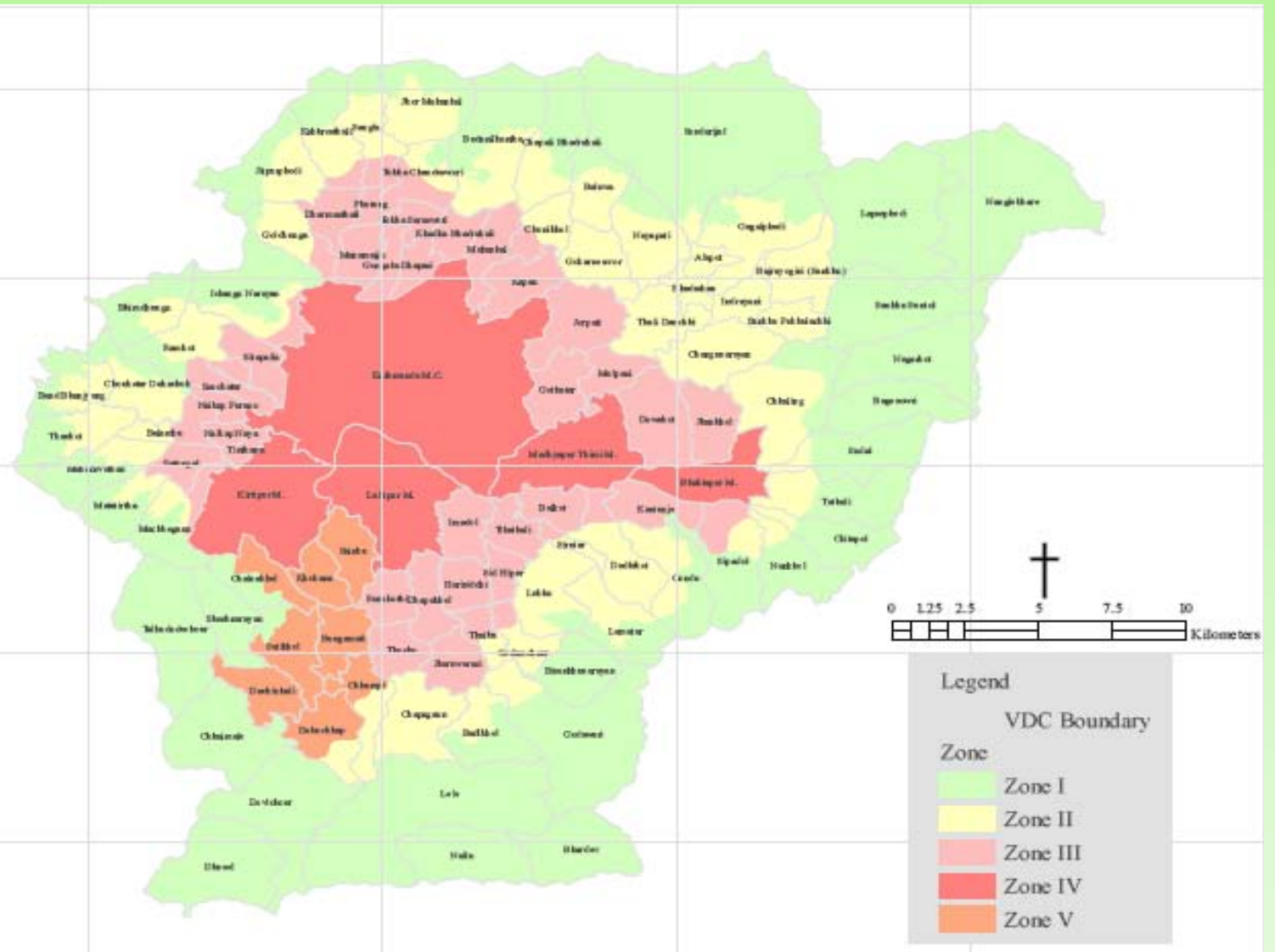
Zone 2: Rural Zone

Zone 3: Peri -urban Zone

Zone 4: Urban Zone

Zone 5: Downstream Zone

# Zoning of Catchment Area



# Key Issues

- Decrease in river water discharge
- Decrease in Ground Water Reservoir



# Key Issues

- Narrowing and deepening of water ways
- Degradation of catchments quality and water quality



*Contd.....*

# Key Issues

- Eroding aesthetic and cultural values
- Change in river side land use
- Haphazard urbanization and rapid pop growth

*Contd.....*



# Key Issues

- Unsafe disposal of industrial, domestic and solid wastes into Bagmati River System





A photograph of a river flowing through a lush green landscape. The river is the central focus, with water that appears slightly turbid. The banks are covered in dense green vegetation, including grasses and trees. The lighting is bright, suggesting a sunny day. The overall scene is a natural, outdoor setting.

# **Vision**

**Clean, Green and Healthy Bagmati  
River System full of life and valued by  
all.**

# Mission

## Restore Bagmati River System by:

- Developing physical infrastructures for
  - river training,
  - waste water management,
  - road connectivity,
  - rain water harvesting,
  - ground water recharge and
  - greenery along river corridors

*Contd.....*



## *Mission (Contd.)*

### **Restore Bagmati River System by:**

- Conserving terrestrial biodiversity
- Conserving aquatic biodiversity

*Contd.....*



Mission (Contd.)

## Restore Bagmati River System by:

- Conserving religious, cultural and historical heritages
- Developing and promoting eco-tourism



# Conceptual Plan of Satellite City Development along Bagmati River Corridor (Sundarijal to Gokarna)



Down-stream  
Gokarna

Commercial  
Area

Existing Road to Sundarijal

General  
Residential Area

Central  
Commercial  
Centre

Squatter  
Resettlement Area

Diplomatic & 1st Class  
Residential Area

Institutional  
Area

General  
Residential  
Area

Up-stream  
Sundarijal

1021 m

# Institutional Arrangement

- Ministry of Physical Planning and Works as liaison ministry
- High Powered Committee for Integrated Development of Bagmati Civilization as lead implementing and coordinating agency
- Other Government and Non-government Development Partners, Community Based Organizations

# Implementation Status

# Foundation Stone Laying Ceremony





# Construction of River Training Works and Sewer Lines



# Construction Works In Sundarijal Gokarna Stretch



# Conservation of Shankhamul Ghat



# Conservation of Shankhamul Ghat

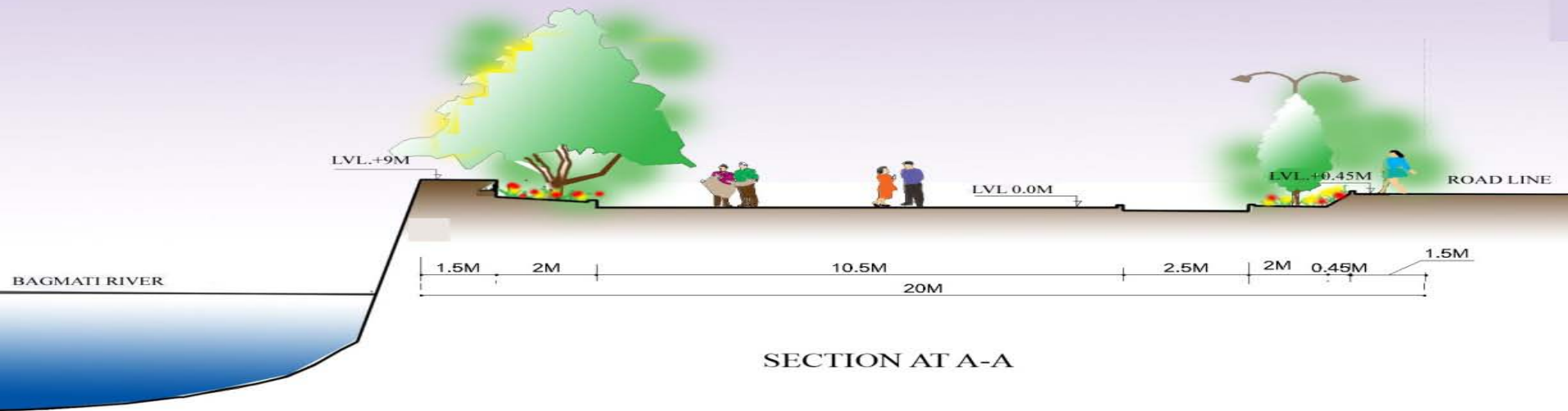


# Conservation of Shankhamul Ghat

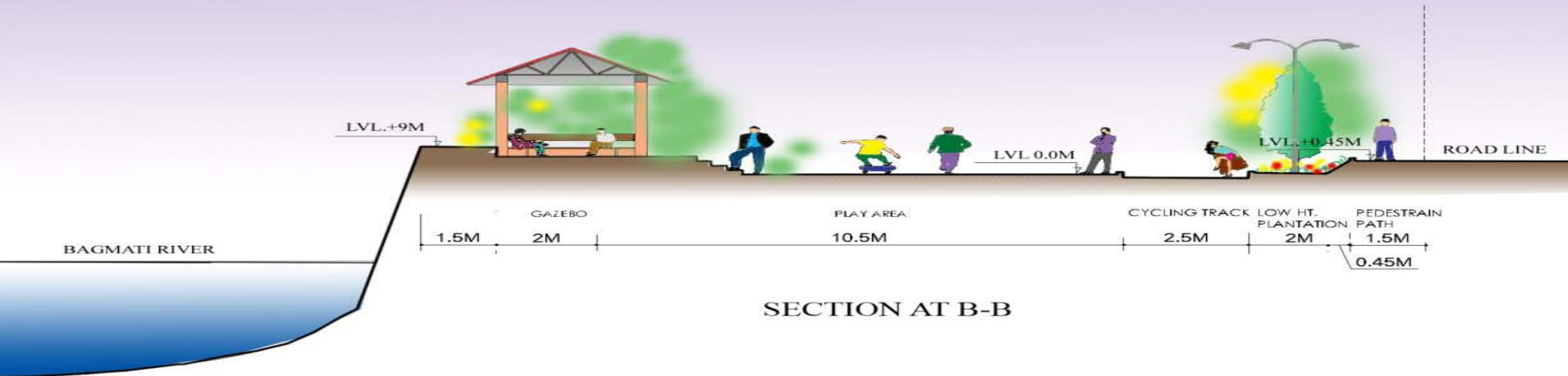




**Conceptual View of River Side Development Works**



SECTION AT A-A



SECTION AT B-B

# Conceptual Section of River Side Development Works

(Source:Astra)

**Thank You!**