

POVERTY ALLEVIATION OF FISHERY COMMUNITY OF PATNA
(BIHAR, INDIA) THROUGH CHANGE IN TRADITIONAL PRACTICES

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AQUACULTURE
WITHOUT FRONTIERS

INTRODUCTION: ABOUT PATNA

- Capital of Bihar
- 2nd largest city of North India
- Largest riverine area of the world
 - Natural production of fishes
- Fish capture : traditional practice

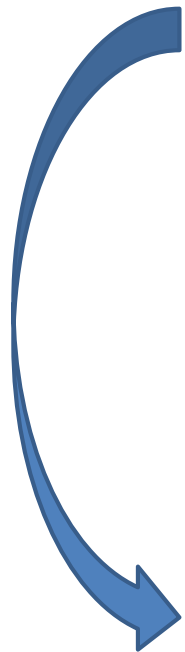
Ponds

Local
Water
bodies

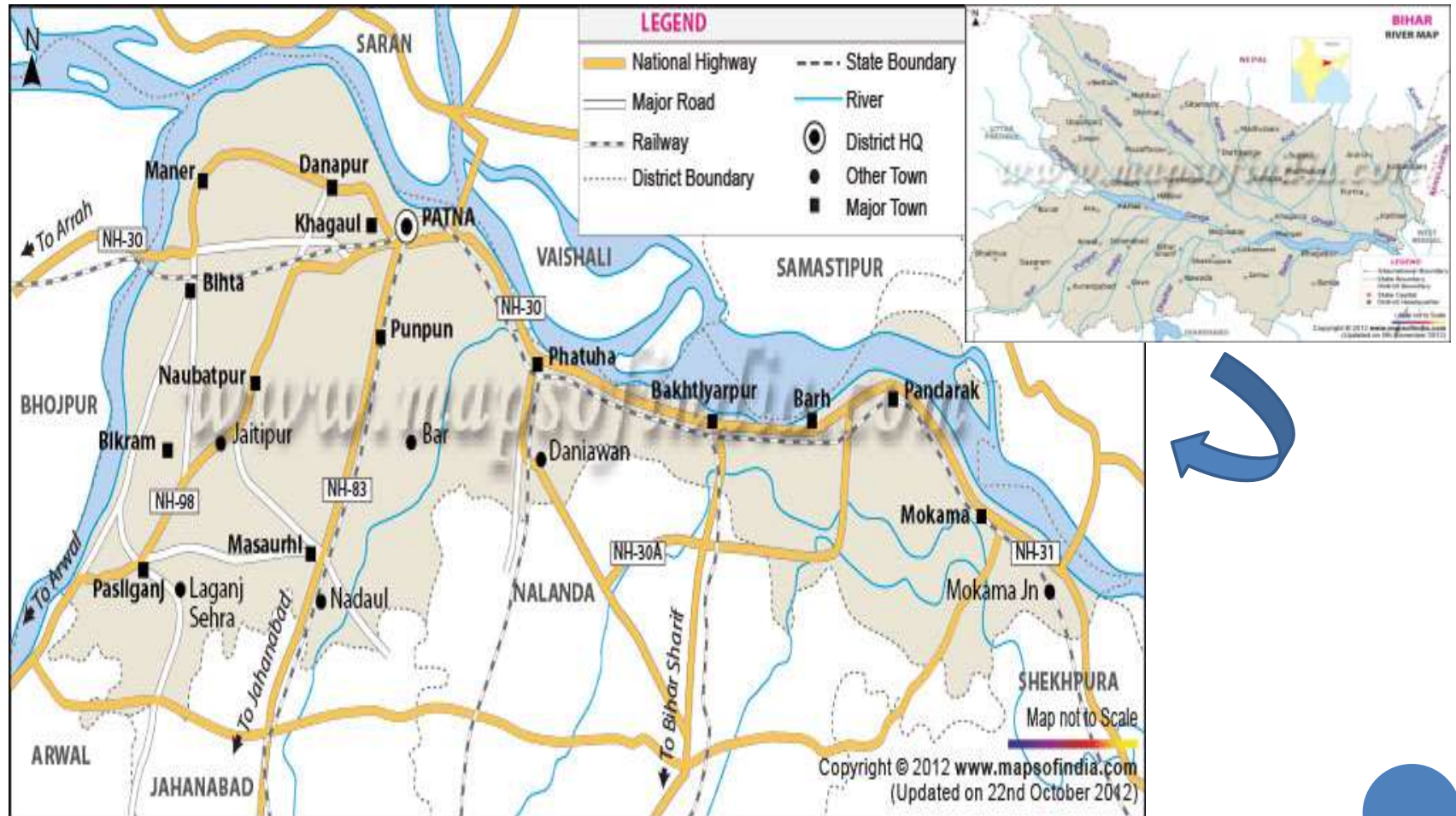
Rivers

Larger
basin
areas

Patna



RIVERS AROUND PATNA



Curtsey: www.mapsoftindia.com

STATUS OF WATER BODIES (1990 & 2015)



Ganga – 1990



Natural pond- 1990



2015



2015



RECOURSE STATUS OF PATNA

01	Fish Production	
	By Capture	80%
	By Culture	20%
02	Total area of Fish farm	7 Acre
03	Total area of fish pond	2176 Hectare
04	No. Of Hatchery	01 (closed)
05	No of training centre	00

STATUS OF FISHERY COMMUNITY

- Status: Mostly in “Below poverty line” (**BPL family**).
- Literacy rate : **39% (slowly increasing)**
- Profession: Fish catching & marketing as whole sale (Men) ; retail (man & women)
- Other engagements - work in Agriculture field, Grocery shop, labour in construction sites, Rickshaw pulling, etc.



REASON BEHIND SHIFTING OF PRACTICES

River

- depletion of water
- increase of sediments
- increase of pollution & contamination load

Local Water bodies

- Increase of pollution & contamination load
- Encroachment for road & building construction


OTHER REASON

- Poor infrastructure for aquaculture
- Lack of technical knowledge
- Financial problems
- Lack of security of life
- Contract system of harvesting of fish: (River n Pond)
 - involvement of high linked person with Government persons/politicians and muscles man.
 - contractor hires fisherman to harvest fishes from rivers and water bodies.
 - Short period of work without a regular job.

GOVERNMENT PLAN: FOR BETTERMENT

Central Government supported scheme:

01	<u>Development of Inland fresh water aquaculture</u>
02	Group accidental insurance schemes,
03	<u>Training and extension schemes,</u>
04	Fishermen housing under National welfare scheme,
05	Inland fisheries statistics and Information Network.



GOVERNMENT PLAN

State government Plan: (Important)

01	Strengthening of fisheries organizations
02	Fish marketing schemes
03	Fishery extension schemes
04	Fishery research schemes
05	Production and supply of quality fish seeds



COMPARISON

Fish capture

Short period engagement

Uncertain work

Limited use

Production depends on nature

Limited income

Fish culture

Regular engagement

Certain work

Better use of water bodies

Desired production

Better income



ACTUAL CONDITION:



Huge
recourses

Less effort

Limited
production

Limited
income



RECOMMENDATION

- The **fish culture** system should be prioritised in the fishery work.
- Insure harvesting contracts to fishery community
- Intensive program for literacy
- Training programme for fishery community to both genders,
- Innovation of modern techniques with full support of financial and technical base,
- Conservation of river water and local water bodies,
- Insure the safe and secured market place,
- Easy loan facility through Bank



ACTION + OUTCOME

Government & non- government organization and Private sector should take initiation for the development of fish industry



Need to change in traditional practices to modern aquaculture practice



Give better income to Fishery community



Enhance the economical support to the state as well as country.



THANKS

