

# Traditional Resource Partitioning by Estuarine Communities

## - A Case Study in Aghanashini Estuary of Central Western Coast, India

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# INTRODUCTION

- **Aghanishiny estuary – largest common property ecosystem**
- **Plays dominant role in economy of Uttara Kannada district**
- **Old occupations in estuary – Fishing, Salt production, Lime shell production, wetland agriculture**
- **Vast stretches of shallow, intertidal portions alongside estuary converted to rice fields or *gaznis***

## **Objective of the study:**

- ❖ Documentation of local and traditional knowledge on biodiversity and resource utilization in Aghanashini Estuary
- ❖ Analyse this knowledge and asses possibilities of this knowledge to be used to promote biodiversity conservation of the area
- ❖ Listing the values of the coastal and marine biodiversity as perceived by the community dependent on these resources
- ❖ List out main drivers for the current trend of biodiversity in the area.

## **Limitations**

The current study is limited to the communities living on the banks of the estuaries of Aghanashini in the Uttara Kannada District of the State of Karnataka.

## **METHODS ADOPTED**

- ✓ Sampling of major estuarine stakeholders in the villages
- ✓ The Aghanashini estuary has been divided into three salinity zones for study purpose.
- ✓ In each of these zones villages have been selected for interviewing communities who are the primary stakeholders in the estuary.
- ✓ Secondary information was collected and field surveys were carried out in these villages.

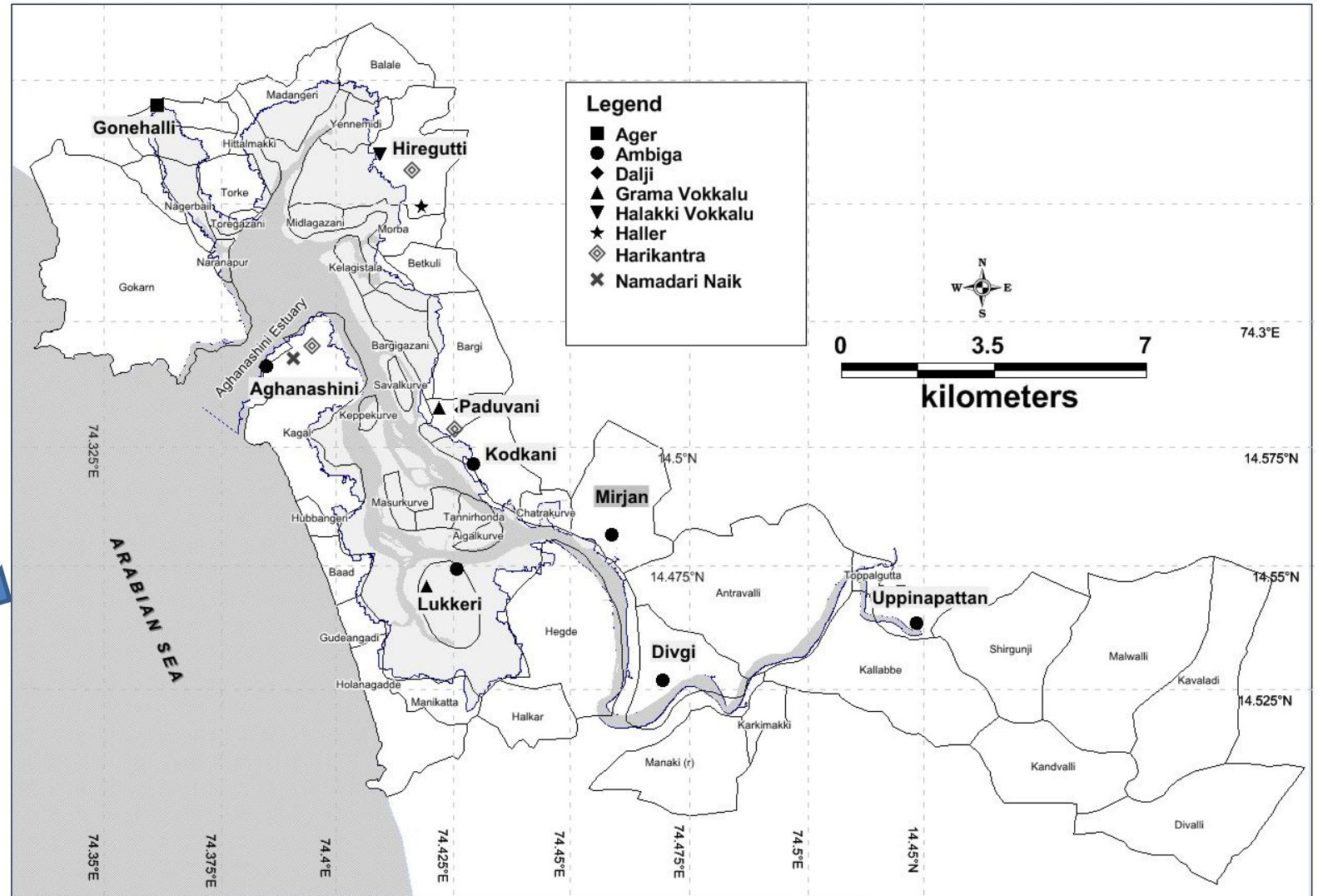


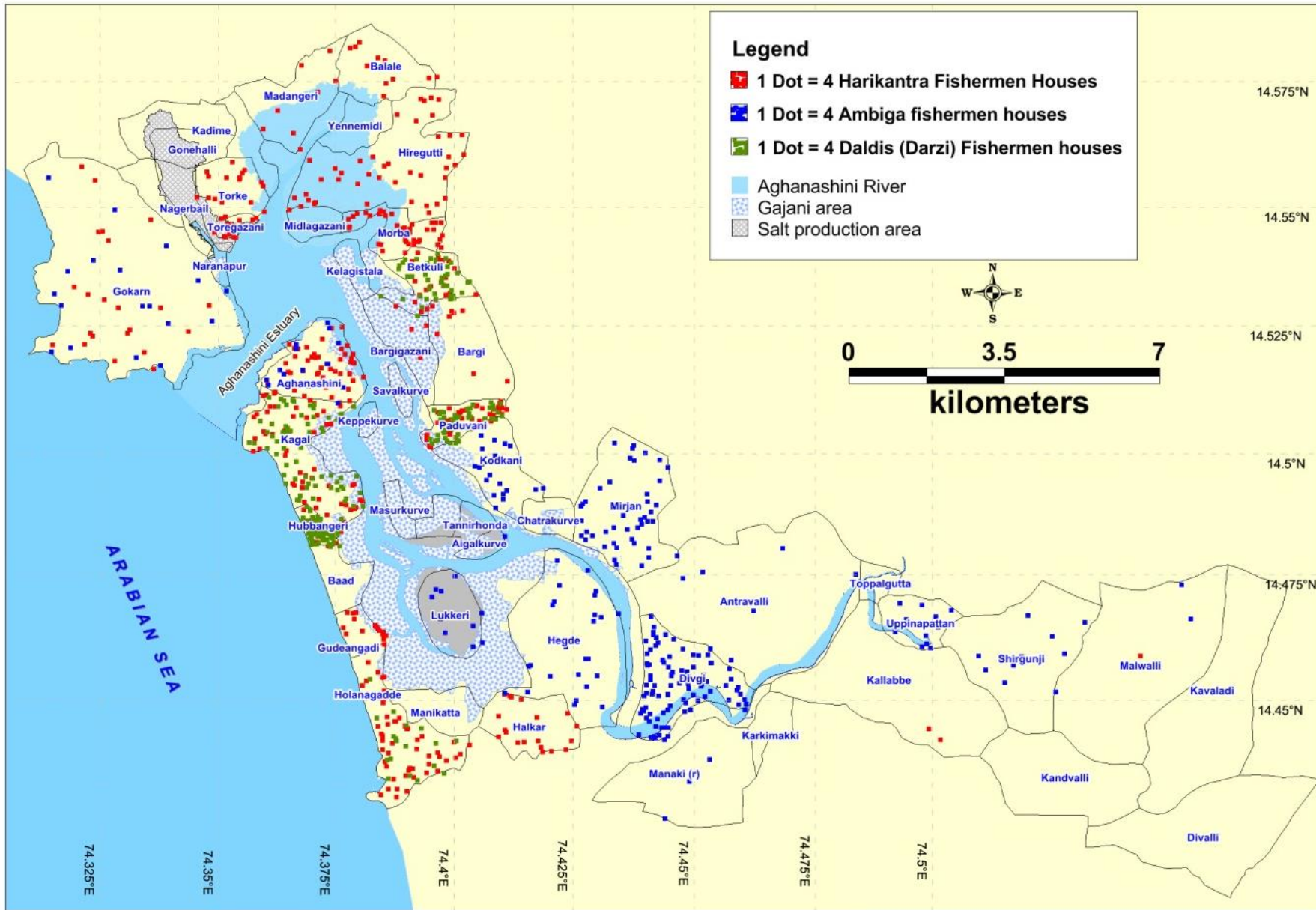
Figure 1. Aghanashini estuary map showing villages studied (in bold) and the target group of resource users (in symbols)

**Estuarine communities and their main occupations in Aghanashini**

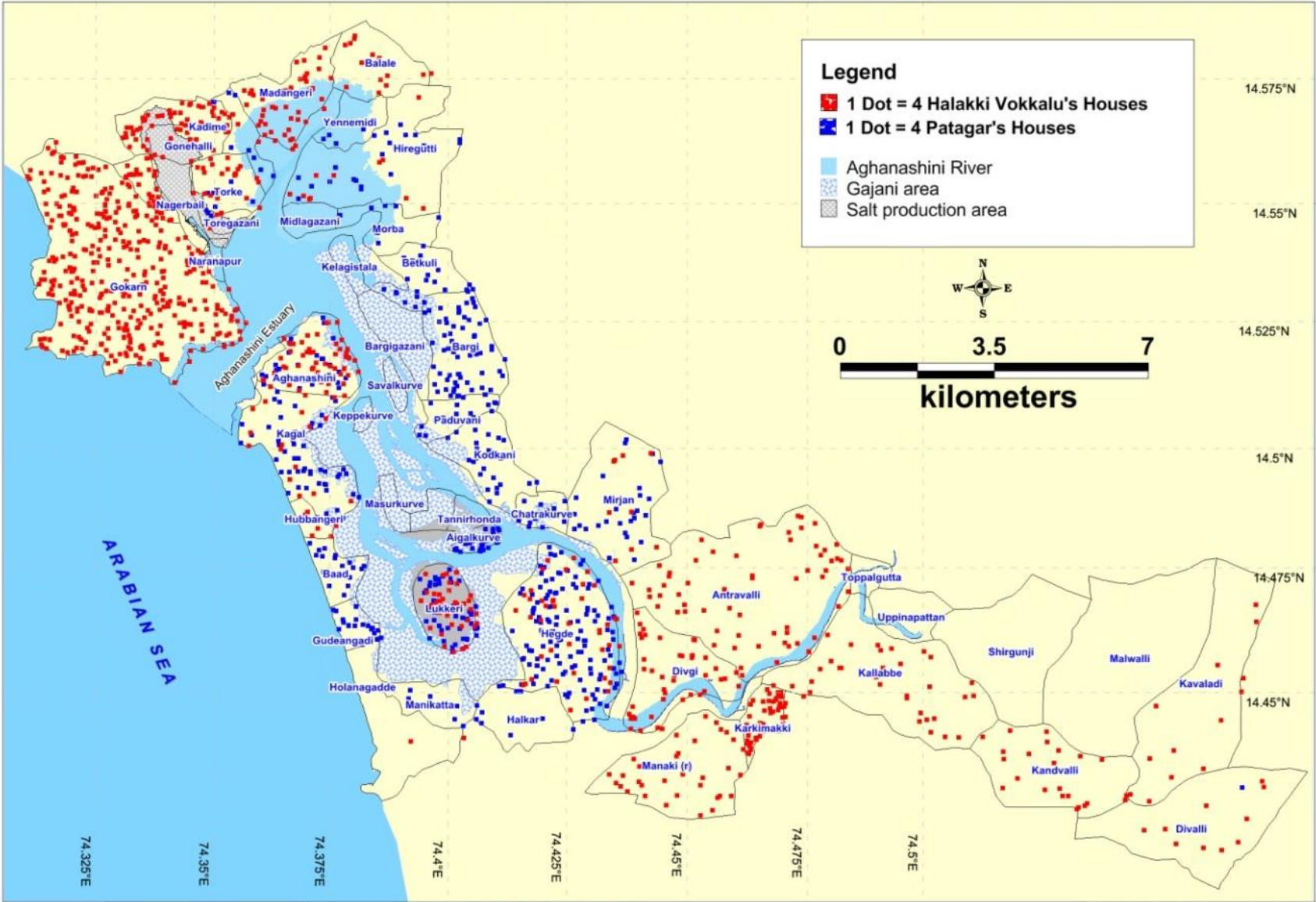
Sr. No.	Communities	Main occupation
1	Ambiga	Fishing
2	Harikantra	Fishing
3	Daldi	Fishing
4	Gabit	Fishing
5	Ager	Salt making
6	Haller	Miscellaneous
7	Gamvokkal (Patgar)	Estuarine farming
8	Halakkiviokkal	Estuarine farming
9	Namdharis	Estuarine farming

Villages selected for community study		
Zone-1: High salinity	Zone-2: Medium salinity	Zone-3: Low salinity
Nushikote		
Nushikote		
Aghanashini		
Aghanashini		
Aghanashini		
Morba		
Sanikatta/Hanehalli		
	Masur	
	Masur	
	Kimani	
	Kimani/Paduvani	
	Paduvani	
	Mirjan	
	Kodkani	
		Divgi
		Uppinpatana

# DISTRIBUTION PATTERNS OF FISHING COMMUNITIES



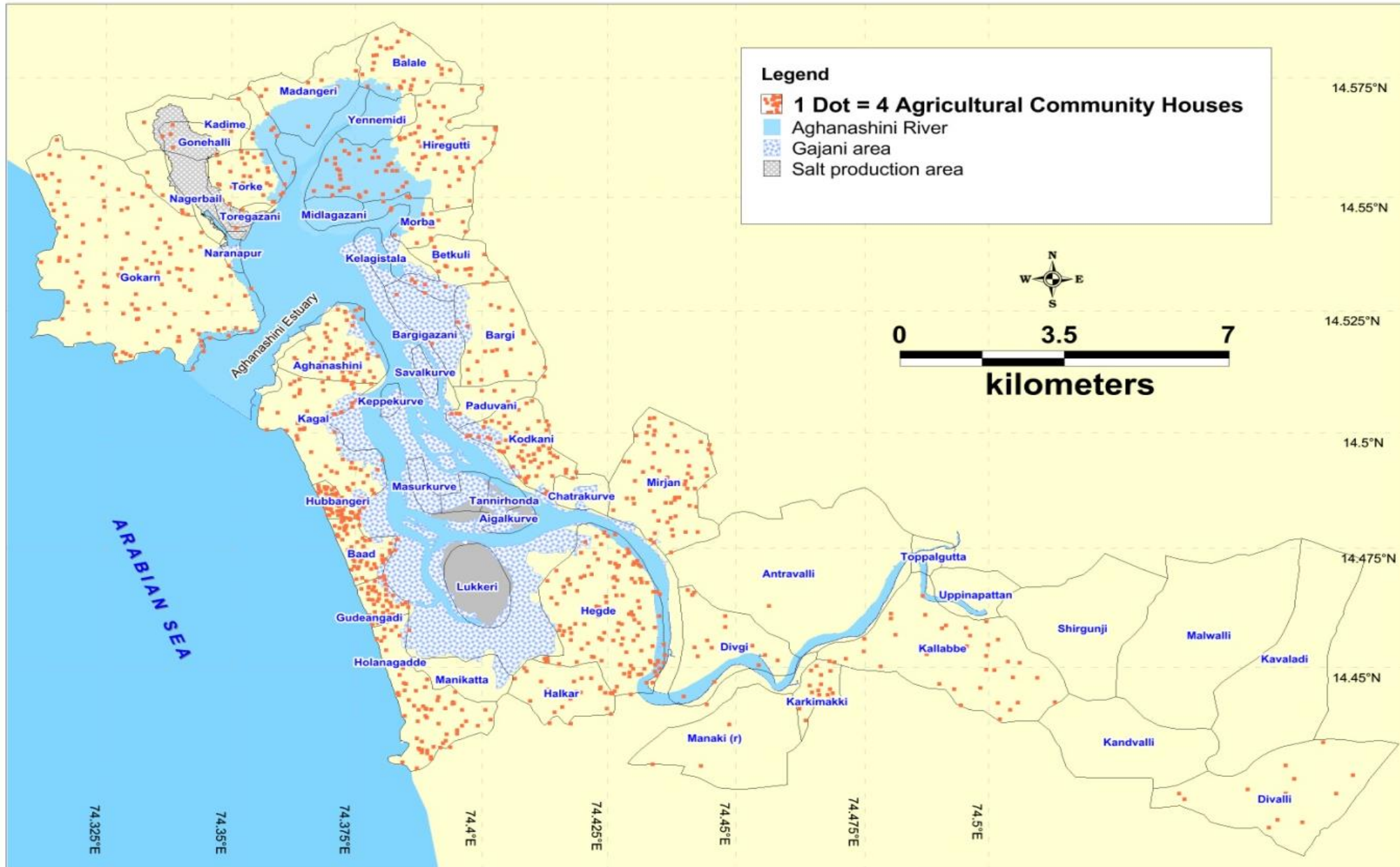
# DISTRIBUTION PATTERNS OF AGRICULTURAL COMMUNITIES



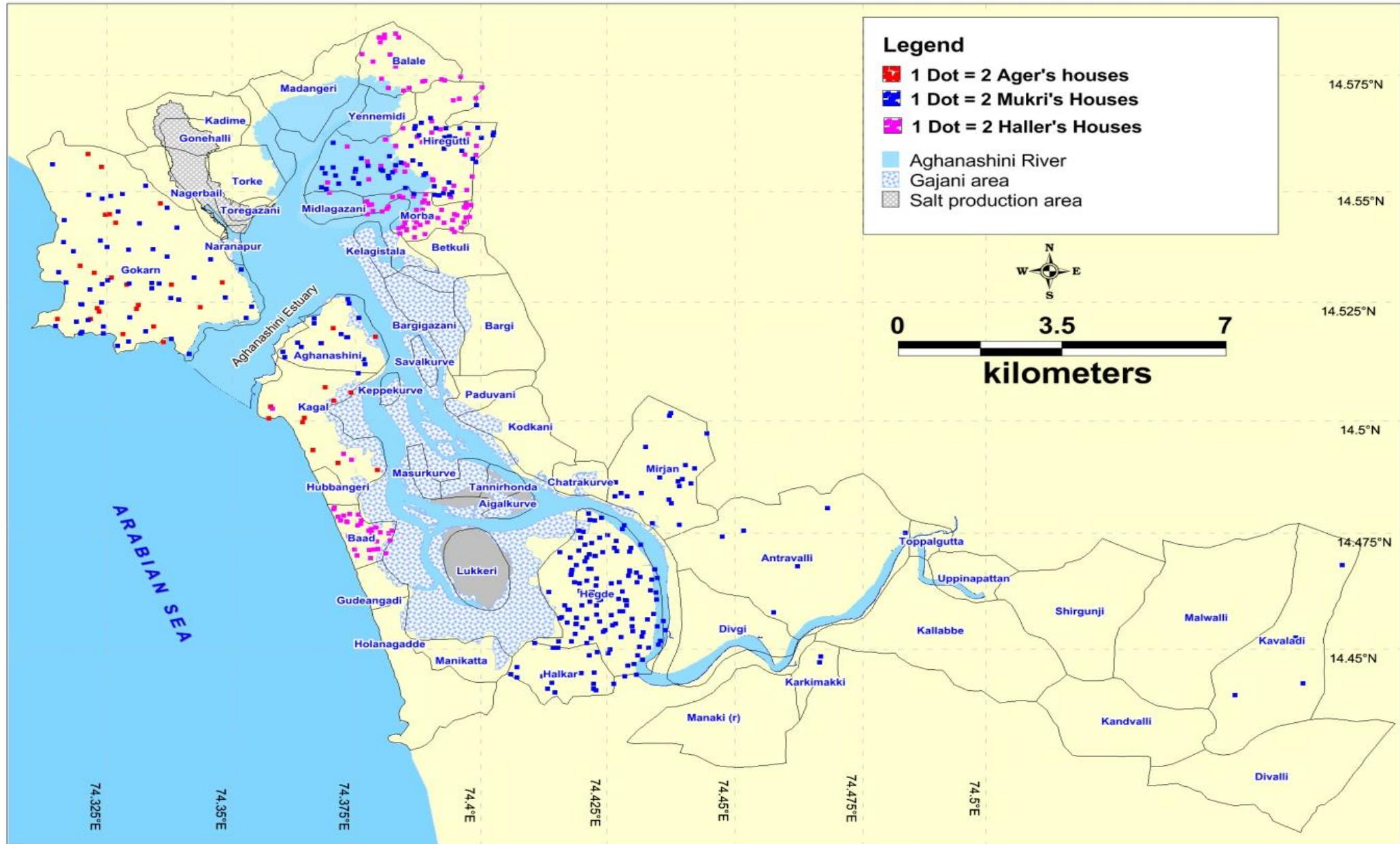
f Wetland



# Other agricultural communities of Aghanashini



# NON-AGRICULTURAL AND NON-FISHING COMMUNITIES



THANK YOU

