



Living Polders: Dynamic Polder Management for Sustainable Livelihoods, Applied to Bangladesh

**Field Visit Report on
Visit to Beel Pakhimara: Water sampling, soil sampling and meeting with stakeholders**

Conducted during: 18th to 20th July, 2017

Conducted by:

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Cooperated by:

Asif Newaz
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General Information

Project Name: Living Polders: Dynamic Polder Management for Sustainable Livelihoods, Applied to Bangladesh

Date of Visit: 18th to 20th July, 2017

Visited Places

- Kulna University, Tala (18th July)
- Beel Pakhimara, Sampling in Kobadak River (19th July)
- Beel Pakhimara, soil sampling, KII, FGD (20th July)

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Supervised by

Dr. M Shah Alam Khan, Project Leader, Living Polders
Professor, Institute of Water and Flood Management, BUET, Dhaka- 1000, Bangladesh.

Locally supervised by

Dr. Md. Atikul Islam

Professor, Khulna University, Khulna, Bangladesh.

Introduction

To address the governance related issues, physical problems in operating TRM and to prepare physical model of the Living Polders study area, collection of samples and community engagement is important. The field visit was aimed to

1. To collect water sample from Kobadak River
2. To collect soil samples
3. To understand the problems related to governance of the different stakeholders of the TRM basin Beel Pakhimara
4. To discuss and set up the total sampling scheme

Description

Beel Pakhimara, Kobadak River: Beel Pakhimara is in Tala Upazila of Shatkhira district having an area of 6.53sq.km, and also situated in Polder 6-8. A link canal of 440m length is connected the Kobadak river with the Beel.

18th July, 2017: We met with Dr. Md. Atikul Islam in Khulna University and discussed about the possibilities and pros and cons of detailed sampling scheme. Later, we have visited JJS office and met Mr. Zakir Hossain to discuss the suitability of the detailed sampling location and their availability for sampling operation. We have met agricultural extension officer of tala Upazila, went to beel Pakhimara to check the present situation and select a suitable site for sampling.

19th July, 2017: The water sampling location ([22.667694, 89.261778](#)) for third field visit was near the second field visit sampling location, 420m downstream of the River from the link canal cut point.

From 8.40am to 9.45pm two groups, one in mid-stream and another in the bank side collected 72 samples at 0.2, 0.6 and 0.8 depth of water level at a one hour interval. The highest water level in the mid-stream is 23m and lowest is 15m. The top width of the river at bank full situation is 47m.

Mr. Md. Feroz Islam, have joined a stakeholder meeting in the AC Land office, where he met the local officials from BWDB, Local Administrations, NGOs and local peoples.

20th July, 2017: Due to heavy rain and cyclone warning we had to cancel soil sample collection plan and arranged a meeting with Dilip Sana (uttaran). We have discussed about the overall condition of the beel Pakhimara.

Concluding Remarks

Aside from collection soil sample collection all other events have gone as planned. Equipment and All the samples were sent to Khulna University for laboratory testing.



Figure: Beel Pakhimara and marked Sampling Location (22.667694, 89.261778)

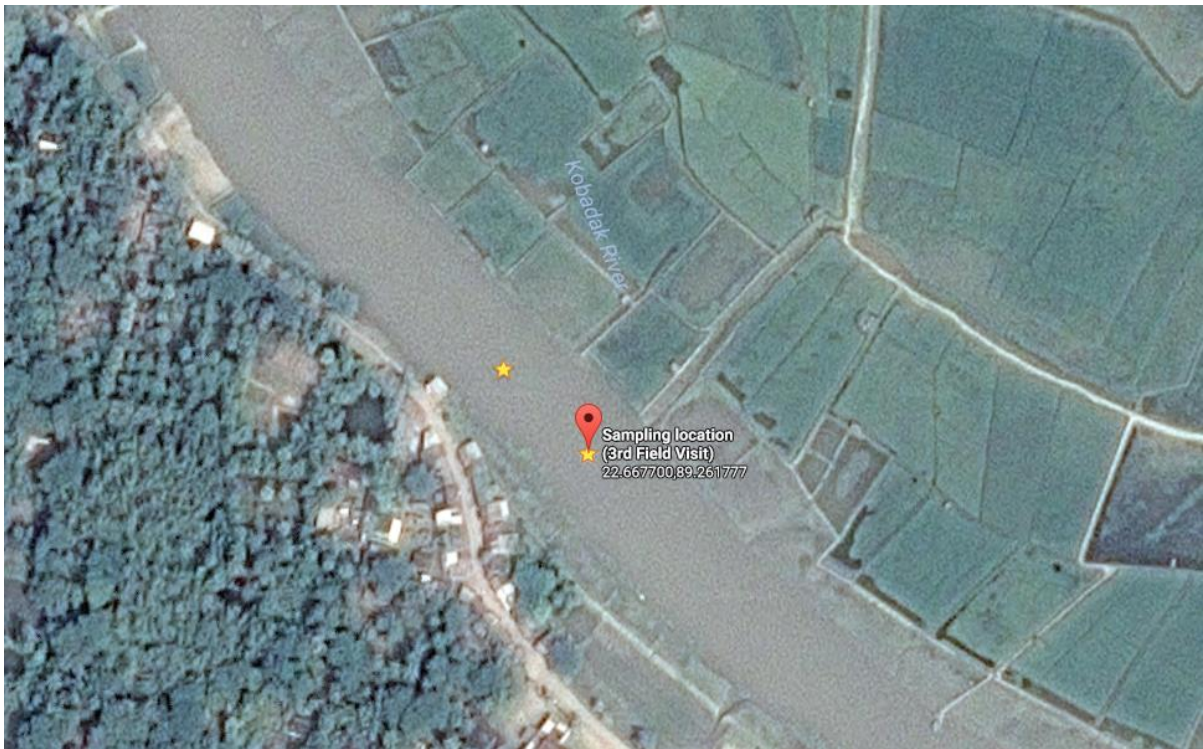


Figure: Sampling location in Kobadak River (22.667694, 89.261778)



Figure: Sediment sample collection by Sediment sampler



Figure: Figure: Sediment sample collection by Sediment sampler



Figure: Figure: Sediment sample collection by Sediment sampler



Figure: Stakeholder meeting organised by Local Government and Govt. Administration



Figure: Attendees of the meeting



Figure: Meeting with Upazila agriculture officer

Date	Time	Activities	Remarks
17 July, 2017	09.00pm	Departure to Khulna	
18 July, 2017	07:00 – 08:00	Arrival at KU	
	08:00 – 12:00	Breakfast, Equipment calibration, accessories packing, Meeting	
	12:00 – 01:30pm	Way to Tala, Check in at Uttaran, Lunch	
	02:00 – 06:30pm	Beel visit, KII, Sampling place visit, Pre installment of equipment.	
	06:30 – 07:30pm	Returning to Uttaran, Discussion on findings, Dinner.	
	08:00 pm	Sleep (Must to wake up early)	
19 July, 2017	04:30 – 05:00	Waking up, to sampling spot.	
	05:30 – 12:30pm	Data collection, in situ tests (cross section, Discharge, turbidity, Salinity, sediment load) [will cover a full tidal cycle]	
	12:30am – 01:00am	To Uttaran office	
20 July, 2017	07:00 – 08:00	Breakfast, To Beel Pakhimara	
	08:00 – 06:00pm	KII, FGD, set up accessories if need at sampling spot, Collecting soil sample, Meeting with local govt. and NGO officials, Roaming Beel.	
	06:30 – 08:00pm	To Khulna, Dinner	
	10:00 – 10:30pm	Returning to Dhaka	

Contacts

Name	Designation	Place	Contact No.
Shahidul Alam	Director	Uttaran	01760579642
Dilip Sana	Uttaran	Tala, Satkhira	01712860594
Milton	Uttaran	Tala, Satkhira	01722545561
Md Liton Ali	AC Land	Tala, Satkhira	01710071278
Saidur Rahman	SDE (BWDB)		01706317217
Samsul Alam	UAEO	Tala, Satkhira	01710726286
Asrafal Alam (talked over phone)	SDE (CEIP, BWDB)		01732435998
Polash Banerjee (talked over phone)	SDE (BWDB)		01671364974
Rajjak	Mahindra driver	Khulna Sadar	01928846329
Unknown	Van driver	Tala, Satkhira	01784255664
Amrito	Van driver	Tala, Satkhira	01758835165
Akash Biswas	Boatman	Tala, Satkhira	01770250760
Probir	Boatman	Tala, Satkhira	01739323443
Shamol	Boatman	Tala, Satkhira	01772706884