



WATER SUPPLY AND SANITATION (WATSAN) CONDITION OF THE *CHAPTIR HAOR* WETLAND IN BANGLADESH

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ABSTRACT

People of wetland areas in Bangladesh are very accustomed to live with various constraints. Chaptir Haor wetland, which is located at Derai Thana of Sunamganj district, has been selected for identifying water supply and sanitation conditions of wetland people. Extensive field survey was carried out during September 2005 in five selected areas of the wetland namely Chandpur, Karimpur, Srenarayanpur, Halimpur and Tarol. PRA method primarily aimed in focus group discussion has been followed in the survey work. Study reveals that 100% people use tube well water and river water respectively for drinking and domestic purposes. Commonly used defecation practices have been categorized as open defecation, hanging latrines, offset pit latrine and some sanitary latrine. About 15%, 50% and 60% people of Srinarayanpur, Tarol and Karimpur are found to use sanitary latrines respectively. This figure is only 5% for Chandpur and Halimpur.

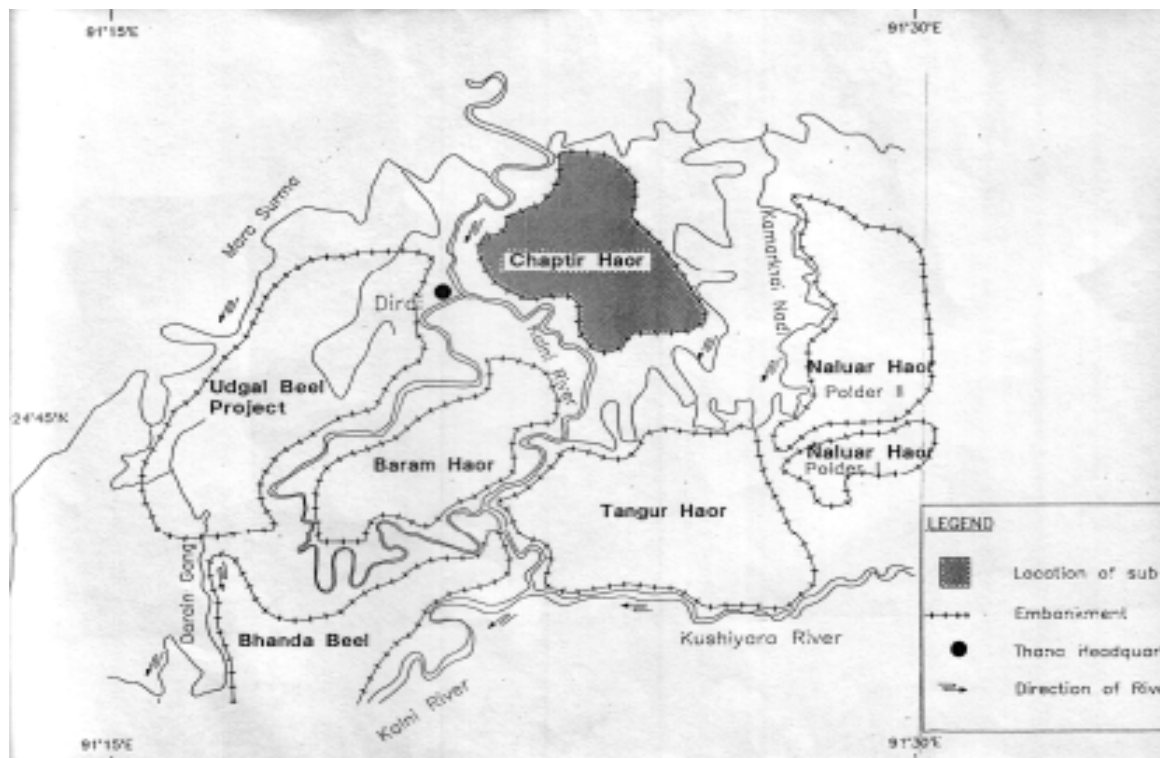
Keywords: Chaptir Haor, wetland, water supply, sanitation, life constraint.

INTRODUCTION

Chaptir Haor wetland falls in one of the ten submersible embankment projects in the Sunamganj district of Bangladesh, which is proposed for rehabilitation under System Rehabilitation Project (SRP) of the Bangladesh Water Development Board (BWDB). The land of the wetland is below 8-meter Public Works Department (PWD) and is flooded to depths of several meters during monsoon

and pre-monsoon (Farzana *et al.*, 2006). Drainage of the wetland is affected by the principal rivers of the Surma, Kangsha, Someswari, Baulai and the Kushiya. The study area lies between longitudes $91^{\circ} 21.5' E$ and $91^{\circ} 27' E$ and latitudes $25^{\circ} 44.4' N$ and $25^{\circ} 50.3' N$, which is about 304km north-east from the capital city of Dhaka and 114 km west from the divisional city of Sylhet. Location of the Chaptir Haor wetland is shown in Figure-1.

Figure-1. Location of Chaptir Haor wetland (BWDB, 1994).



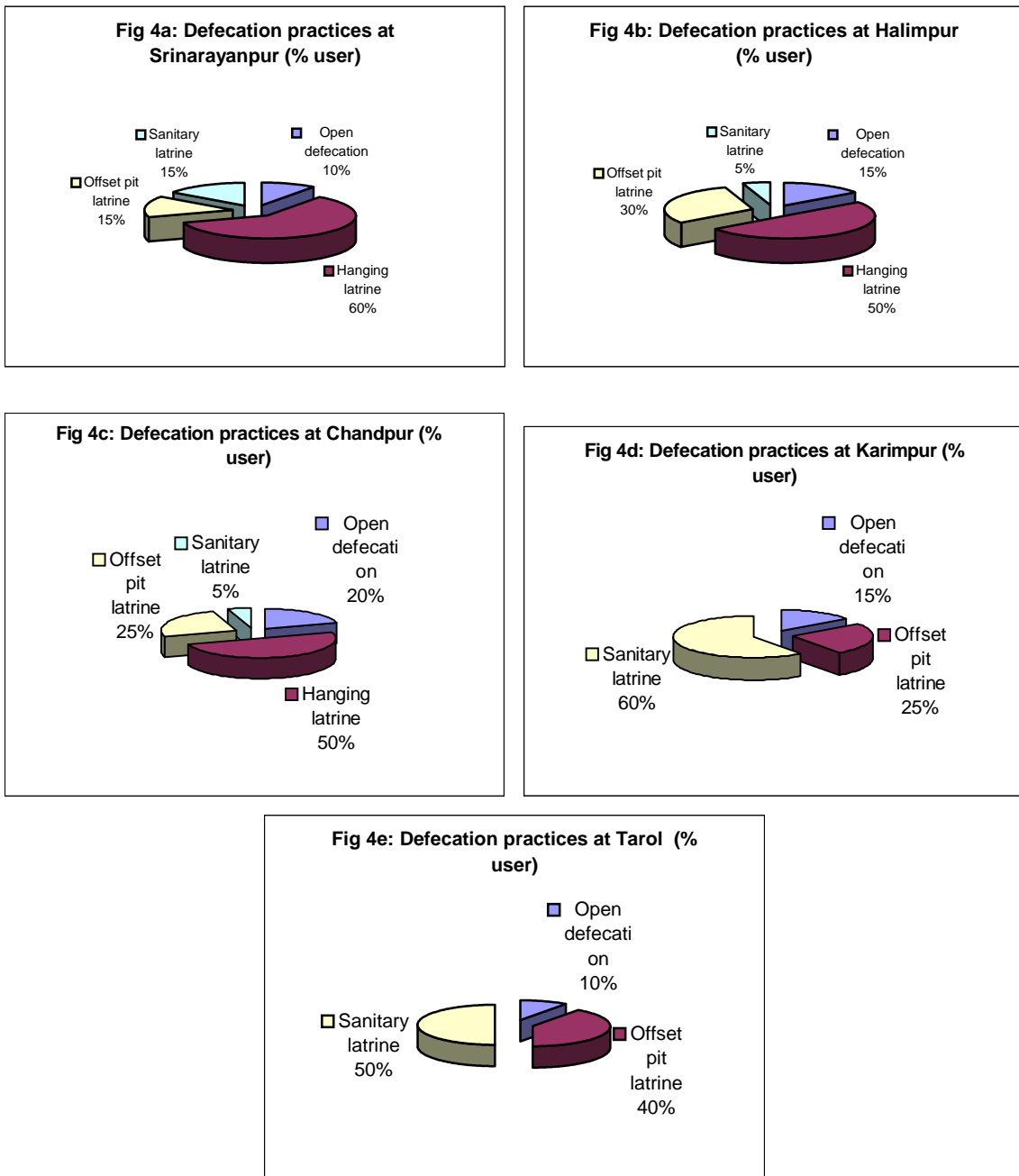


type of latrines used in different study areas are given in Table-2 and Figure-4 (a, b, c, d, e).

Table-2. Scenario of various type of latrines used in Chaptir Haor wetland.
(Farzana *et al.* 2006)

Defecation type	Selected areas of Chaptir Haor wetland				
	Srinarayanpur (% user)	Halimpur (% user)	Chandpur (% user)	Karimpur (% user)	Tarol (% user)
Open defecation	10	15	20	15	10
Hanging latrine	60	50	50	0	0
Offset pit latrine	15	30	25	25	40
Sanitary latrine	15	5	5	60	50

Figure-4 (a, b, c, d, e). Defecation practices of various areas in Chaptir Haor wetland.
(Farzana *et al.* 2006)



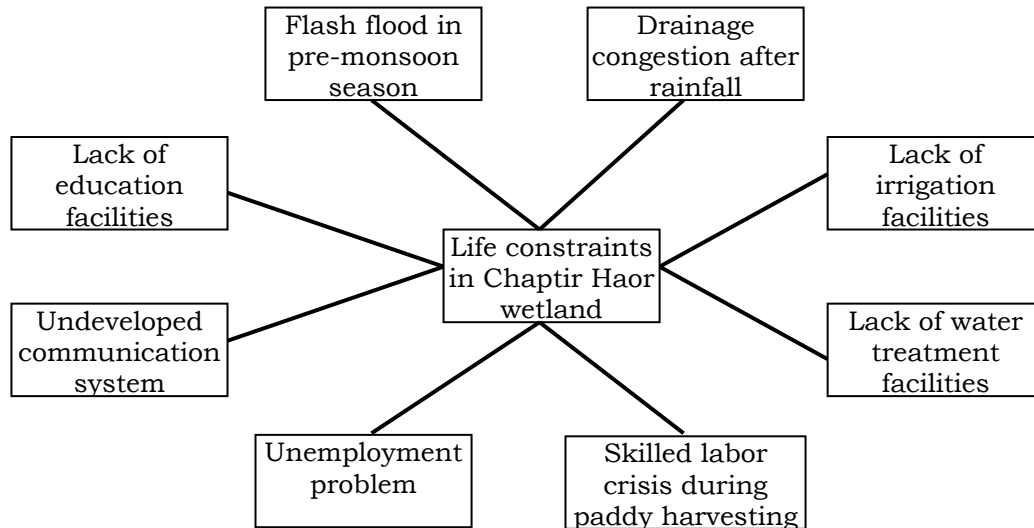


Life constraints:

From the baseline survey, various life constraints in the Chaptir Haor wetland have been identified. Life

standard of the people are not well enough. Various identified life constraints are summarized in Figure-5.

Figure-5. Various identified life constraints in Chaptir Haor wetland.
(Farzana *et al.* 2006)



CONCLUSION

The aim of the study was to identify WATSAN conditions of the Chaptir Haor wetland, which is partially flood-controlled area of BWDB. Such study is inevitable to have better understanding for future development of the project area. The study reveals that people are not facilitated with sanitary latrines and are not aware about proper sanitation practices. Low-cost surface water treatment facilities are not familiar to the inhabitants of the wetland.

REFERENCES

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