

LIST OF FIGURES

Figure No.	Title	Page no.
01	Study site location and its subdivisions	16
02	Sampling stations in the Community Development Blocks of Paschim Medinipur district	18
03	Bar diagram showing order wise fish availability in Paschim Medinipur district	33
04	Bar diagram showing family wise fish availability in Paschim Medinipur district	35
05	Order wise distribution of fish species in Paschim Medinipur district	36
06	Family wise distribution of fish species in Paschim Medinipur district	37
07	Species wise distribution of fish species in Paschim Medinipur district	38
08	Pie diagram based on the IUCN categories of recorded fish species	41
09	Scatter plot diagram showing the correlations among the aquatic parameters and finfish species	44
10	Total freshwater bodies of Paschim Medinipur district	45
11	Existing soil types of Paschim Medinipur district	46
12	River stretches of Paschim Medinipur district	47
13	Average rainfall in the Community Development Blocks of Paschim Medinipur district	48
14	Head quarters of the Community Development Blocks of Paschim Medinipur district	49
15	Transport network in the Community Development Blocks of Paschim Medinipur district	50
16	pH of aquatic bodies in the Community Development Blocks of Paschim Medinipur district	51
17	Temperature of aquatic bodies in different Community Development Blocks of Paschim Medinipur district	52
18	Salinity of aquatic bodies in different Community Development Blocks of Paschim Medinipur district	53

19	TDS of aquatic bodies in different Community Development Blocks of Paschim Medinipur district	54
20	Turbidity of aquatic bodies in different Community Development Blocks of Paschim Medinipur district	55
21	Conductivity of aquatic bodies in different Community Development Blocks of Paschim Medinipur	56
22	Optical density of aquatic bodies in different Community Development Blocks of Paschim Medinipur	57
23	Dissolve oxygen of aquatic bodies in different Community Development Blocks of Paschim Medinipur district	58
24	Recorded freshwater fish fauna of Paschim Medinipur district, West Bengal, India	59-63
25	Scatter plot matrix of the threatened fish species	64
26	Species diversity index Sub-divisions wise at Paschim Medinipur	85
27	Dominance diversity index Sub-divisions wise at Paschim Medinipur	85
28	Simpson 1-D index Sub-divisions wise at Paschim Medinipur	86
29	Shannon H index Sub-divisions wise at Paschim Medinipur	87
30	Evenness index Sub-divisions wise at Paschim Medinipur	87
31	Margalef index Sub-divisions wise at Paschim Medinipur	88
32	Equitability index Sub-divisions wise at Paschim Medinipur	89
33	Chao -1 index Sub-divisions wise at Paschim Medinipur	89
34	Individual rarefaction model Sub-divisions wise at Paschim Medinipur	90
35	SHE analysis model Sub-divisions wise at Paschim Medinipur	91
36	Alpha diversity profiles Sub-divisions wise at Paschim Medinipur	92