



MACH

Completion Report

*Management of Aquatic Ecosystems through
Community Husbandry*

Volume 2

Appendices



October 2003

*A project of the Government of Bangladesh
Supported by USAID*

Project Partners:

Winrock International

Bangladesh Centre for Advanced Studies (BCAS)

Center for Natural Resource Studies (CNRS)

CARITAS Bangladesh

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PREFACE

MACH has promoted ecologically sound management of floodplain resources including fisheries and other wetland products for the sustainable supply of food for the poor of Bangladesh. MACH is a Government of Bangladesh Project supported by the United States Agency for International Development (USAID). The project has been implemented by Winrock International and its three partners, the Bangladesh Center for Advanced Studies (BCAS), Center for Natural Resource Studies (CNRS) and CARITAS Bangladesh. The main purpose of MACH has remained the demonstration to communities, local government and policy-makers of the viability of – and need for – community and ecosystem-based approaches to natural resource management and habitat conservation in Bangladesh. MACH has been concerned with the sustainable productivity of wetlands and equitable access to those resources for the community as a whole. The MACH approach has considered all factors affecting the communities and their wetlands. MACH has used a multi-disciplinary, multi-sectoral, participatory process of planning and implementation for reviving wetland function including the fisheries.

This completion report has been broken up into 5 volumes, each of which has been listed below:

Volume 1 – Main Report

Volume 2 – *Appendices*

Volume 3 – Fish Catch and Consumption Survey Report

Volume 4 – Performance Monitoring Report

Volume 5 – Geospatial Data Portfolio

This set of appendices contains primarily background tables and more detailed reports on hydrology, and the wetland valuation. This volume contains additional background information and supporting tables for volume I

Appendix-2

Project Pictures

Awareness Building



Participation in a district level fair, Moulvibazar, 2003



MACH stall in America Week, Sylhet, 2003



Annual rally and wetland discussion, Kaliakoir, 2003



MACH Presentation in America Week, Sylhet, 2003



Creating people awareness through drama, Sherpur, 2003



Successful farmer describing his experience in a Field day



Quiz competition on World Wetland Day, 2003



MACH sponsored awareness drama jointly organized with RMOs



Children's participating in the observance of Wetland Day'03



Creating awareness among school students through art competitions



World Wetland day Rally - 2003 in Sreemongol



Staff training on organizational strengthening, Sreemongol, 2002

Wetland Resource Management



RMO members in a resource planning meeting



Stakeholders in a participatory planning session, Kaliakoir, 2003



Releasing fingerlings of endangered species in sanctuary in anguish by DC, Moulovibazar, 2003



Resource used group awareness meeting on fishing practices.



Opening of re-excavation work for habitat restoration, Sherpur



Dry season habitat restoration through excavation, Hail Haor, 2002



Fish shelter and protection through RCC tetra pods in sanctuaries



Sanctuary: Dry season refuge for fish and other aquatic life



Soil protection: contour pineapple plantation



Local Government Committee meeting, Kaliakor, 2001

Reforestation



Riparian Forest establishment



Re-forestation of roads & wetland embankment.

Alternative Income Generation (AIG)



From Fishing to Poultry



Tailoring to produce for local markets



Tree nursery



Fish fingerling production is very profitable



Cow Fattening



Adult literacy program for Resource users groups

Impact Monitoring



Fish catch monitoring



Fish catch & diversity monitoring



House hold fish consumption monitoring



Household census



Hydrological monitoring



A Sanctuary in Hail Haor



River fish sanctuary in Turag river



Establishing fish sanctuary in Kalidaha Beel

Appendix-3

Detailed Targets and Achievement Table for Wetland Resource Management and Community Development/Alternative Income Generation

Detailed Targets and Achievements

Appendix - 3

Community Development and Alternative Income Generation

Reporting period : MACH-I (Up to August 03)

Site : Including three sites

Activities	Units	Project target	Site wise project target & achievement						Project achievement
			Hailhaor		Kongsa-Malijee		Turag-Bongsi		
			Target	Achievement	Target	Achievement	Target	Achievement	
1. Awareness program									
a. Para level	Program	240	100	170	100	137	40	176	483
	Participant	8,400	3,000	5,595	5,000	4,633	800	4,009	14,237
b. Village level (drama, field day etc.)	Program	74	20	38	36	78	18	54	170
	Participant	23,600	10,000	23,771	3,600	55,224	10,000	28,357	107,352
c. UP level (day observance, introductory meeting)	Program	16	4	6	8	8	4	4	18
	Participant	12,000	2,000	6,600	6,000	5,435	4,000	1,457	13,492
d. Upazila level/Annual Rally	Program	10	4	3	4	4	2	2	9
	Participant	7,600	2,000	1,650	2,800	3,085	1,500	1,885	6,620
2. Livelihood Generated									-
RUG Survey Profile	Nos	2,500	1,000	1,750	1,000	1,158	500	825	3,733
Nos. of Resource Users group	Total	220	80	84	100	101	40	40	225
	Man	147	50	55	70	75	27	25	155
	Women	73	30	29	30	26	13	15	70
Nos. of group members	Total	4,400	1,600	1,802	2,000	2,006	800	790	4,598
	Man	2,940	1,120	1,170	1,400	1,454	540	503	3,127
	Women	1,460	480	632	600	552	260	287	1,471
Group Savings	Total	-	-	1.192	-	1.084	-	-	2.673
	Man	-	-	0.646	-	0.426	-	-	1.289
	Women	-	-	1.839	-	1.51	-	-	3.963
3. Resource Users Trainings									
# Group management	Batch	220	80	90	100	103	40	43	236
	Participant	4,400	1,600	1,610	2,000	1,999	800	850	4,459
# Leadership	Batch	47	15	26	20	25	12	11	62
	Participant	940	300	531	400	582	240	202	1,315
# Accounts keeping	Batch	37	14	12	15	16	8	11	39
	Participant	740	280	250	300	352	160	204	806
# Primary healthcare	Batch	69	40	38	15	16	14	15	69
	Participant	1,380	800	789	300	377	280	303	1,469
# Resources awareness	Batch	220	80	78	100	101	40	41	220
	Participant	4,400	1,600	1,475	2,000	1,868	800	744	4,087
# Cow rearing & fattening	Batch	18	10	9	4	2	5	6	17
	Participant	268	120	120	48	22	100	96	238
# Poultry/Duck rearing	Batch	18	8	7	6	3	4	7	17
	Participant	216	96	84	72	32	48	84	200
# Pond culture/nursery	Batch	12	6	6	3	7	3	3	16
	Participant	195	90	107	60	126	45	37	270
# Cage culture	Batch	-	-	1	-	1	-	2	4
	Participant	-	-	21	-	16	-	20	57
# Pen culture	Batch	-	-	-	-	2	-	-	2
	Participant	-	-	-	-	22	-	-	22
# Plant nursery	Batch	11	5	5	3	2	3	4	11
	Participant	165	75	80	60	36	30	33	149
# Vegetables cultivation	Batch	22	9	10	10	14	3	4	28
	Participant	395	135	196	200	310	60	68	574
# Wheat cultivation	Batch	14	6	6	3	5	5	7	18
	Participant	280	120	104	60	95	100	198	397

Detailed Targets and Achievements

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Community Development and Alternative Income Generation

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Site : Including three sites

Activities	Units	Project target	Site wise project target & achievement						Project achievement
			Hailhaor		Kongsa-Malijee		Turag-Bongsi		
			Target	Achievement	Target	Achievement	Target	Achievement	
# Potato cultivation	Batch	-	-	1	-	-	-	1	2
	Participant	-	-	14	-	-	-	9	23
# Vocational	Participant	82	47	34	20	30	15	25	89
# Tailoring	Batch	15	7	7	4	4	4	5	16
	Participant	180	84	84	48	48	48	60	192
# Micro-entrepreneurship	Batch	10	3	3	4	4	3	2	9
	Participant	200	60	54	80	54	60	42	150
# Traditional Birth Assistance	Batch	-	-	1	-	-	-	1	1
	Participant	-	-	8	-	-	-	6	14
# Tree care & Management	Batch	-	-	-	-	5	-	-	5
	Participant	-	-	-	-	66	-	-	66
# Organization Development	Batch	-	-	-	-	3	-	-	3
	Participant	-	-	-	-	91	-	-	91
# Embrodary	Batch	-	-	-	4	2	-	-	2
	Participant	-	-	-	48	24	-	-	24
# Driving	Batch	3	1	1	1	1	-	1	3
	Participant	25	10	10	10	10	-	3	23
# Bamboo & cane	Batch	6	-	-	6	4	-	-	4
	Participant	72	-	-	72	48	-	-	48
# Development allies training	Batch	9	4	4	2	3	3	4	11
	Participant	140	60	57	50	70	30	35	162
4. Demonstration activities									-
# Pond culture-fishers engaged	nos.	64	28	11	25	50	11	13	74
Water area of pond	decimal	645	280	200	250	650	115	202	1,052
# Pond nursery-fishers engaged	nos.	18	8	8	10	14	-	-	22
Water area of pond	decimal	180	80	139	100	300	-	-	439
# Pen culture -fishers engaged	nos.	-	-	-	-	19	-	-	19
Water areas	decimal	-	-	-	-	220	-	-	220
# Cage culture	Nos	-	-	22	-	16	-	5	43
# Granular urea -farmers engaged	nos.	67	20	23	29	37	18	21	81
Area	decimal	1,752	600	714	852	933	300	468	2,115
# Wheat cultivation -farmers engaged	nos.	143	50	54	38	43	55	72	169
Area	decimal	2,900	1,300	1,302	700	700	900	901	2,903
# Year round Vegetables cultivation	Farmers	193	100	104	36	90	57	76	270
Area	decimal	800	250	557	300	403	250	297	1,257
# Elephant foot (Owal Katchu)	Farmers	-	-	-	-	-	-	5	5
	decimal	-	-	-	-	-	-	11	11
# Maize cultivation-farmers engaged	nos.	-	-	2	-	1	-	2	5
Area	decimal	-	-	30	-	8	-	35	73
# Potato cultivation-farmers engaged	nos.	50	9	13	25	57	20	20	90
Area	decimal	270	90	120	170	250	60	72	442
# Veg. gardening - users engaged	Nos.	3,500	1,400	1,452	1,200	2,708	900	1,438	5,598
# Roadside Plantation -Length	Km	49	18	20	18	15	13	13	48
Saplings planted	nos.	49,000	18,000	18,590	18,000	15,285	13,000	11,212	45,087

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Community Development and Alternative Income Generation

Reporting period : MACH-I (Up to August 03)

Site : Including three sites

Activities	Units	Project target	Site wise project target & achievement						Project achievement
			Hailhaor		Kongsa-Malijee		Turag-Bongsi		
			Target	Achievement	Target	Achievement	Target	Achievement	
# Plant nursery-farmers engaged	nos.	35	15	19	10	18	10	10	47
Saplings producing	nos	192,000	62,000	169,755	80,000	82,327	50,000	147,143	399,225
# Homestead & Instute plant.-men	nos	3,100	1,300	1,060	2,000	1,800	800	828	3,688
Saplings distributed	nos.	15,500	6,500	8,135	10,000	8,200	40,000	3,807	20,142
5. Credit									-
Total loan disbursed	nos	4,400	-	3,207	-	2,742	-	1,059	7,008
Total RUG members received loan	nos	4,400	1,600	1,586	2,000	1,822	800	650	4,058
Disbursed (Taka in million)	Taka	10	4	18.536	4	10.912	2	6.557	36
Realized amount (Taka in million)	Taka	10	4	16.635	4	7.32	2	4.633	29
6. Alternative income increased for project									-
Income increased	%	50	50	52	50	40	50	51	47
7. Healthcare & nutrition services									-
a. Tube wells distributed	Nos.	240	105	117	60	60	75	75	252
b. Pit latrines distributed	Nos.	2,450	850	900	1,200	1,300	400	396	2,596
8. Adult literacy-Course conducted	nos.	60	20	42	-	19	20	20	81
9. Worm clothes distribution	Nos.	2,600	1,500	1,800	600	900	500	850	3,550
10. Cross visits	Nos.	11	4	3	4	3	3	2	8
	Participant	153	48	44	60	130	45	37	211

MACH Project
Wetland Resource management Activities
Period: June1999 - August2003
All three sites

MACH Reporting Format.

Items	Project	Achievement
Activities	Target	as on 31st August 2003
1. Improved Management Area (ha)		
HH	6,700	8311
TB	4,200	4,280
KM	4,100	6,275
Total	15,000	18,866
2. Increased production (kg/ha)		
HH	194	Baseline (Apr'99-Mar'00): 171.08 kg/ha Impact-I (Apr'00-Mar'01) : 205.05 kg/ha Impact-II (Apr'01-Mar'02): 190.75 kg/ha Impact-III (Apr'02-Mar'03): 287.28 kg/ha
TB	81	Baseline (May'99-Apr'00): 57.80 kg/ha Impact-I (May'00-Apr'01) : 124.75 kg/ha Impact-II (May'01-Apr'02): 104.78 kg/ha Impact-III (May'02-Apr'03): 140.08kg/ha
KM	160	Baseline (Aug'00-Jul'01): 150.16 kg/ha Impact-I (Aug'01-Jul'02) : 149.16 kg/ha Impact-II (Aug'02-Jul'03)): 273.37 kg/ha
Total		
3. Increased Bio-diversity (No. of spp.)		
HH	-	Fish- 8 , Plant-18
TB	-	Fish-10 , Plant- 7
KM	-	Fish-10 , Plant-22
Total	25 species	Fish-28 , Plant-47
4. MACH Project Aquatic Habitat converted from seasonal to perennial (ha/no.)		
HH	-	105.34 ha
TB	-	112.35 ha
KM	-	18.73 ha
Total	50 ha	236.42 ha
5. MACH Project Riparian Habitat improvement		
a. Riparian plantation(Chhara, River, Canal etc.) (km/nos.)		
HH	20 km	45.15 km (48,638 nos.)
TB	5 km	23.25 km + 0.5 ha (23,092 nos.)
KM	15 km	78.75 km + 5.93 ha (96,724 nos.)
Total	40 km	147.15 km + 6.43 ha (1,68,454 nos.)
b. Swamp plantation (ha/no.)		
HH	50 ha	6.46 km+3.8 ha (26,307 nos.)
TB	5 ha	1 km +0.49 ha (1,828)
KM	20 ha	12.30 km (12,674 nos.)
Total	75 ha	19.76 km+4.29 ha (40,809 nos.)

Items	Project	Achievement
Activities	Target	as on 31st August 2003
c. Instn. & homestead plantation (no.)		
HH	-	11851 nos.
TB	-	23522 nos.
KM	-	23172 nos.
Total	-	58545 nos.
6. No. of Sanctuaries established (no.)		
HH	30	26
TB	20	19
KM	25	21
Total	75	66
7. Canals rehabilitated/re-excavated (m)		
HH	5,000	6,796
TB	3,000	500
KM	2,000	3,997
Total	10,000	11,293
8.a. No. of RMOs formed (no.)		
HH	10	8
TB	4	4
KM	6	4
Total	20	16
8.b. No. of Riparian/Jhara/Chhara/Doho/Kur/Kum RMOs formed (no.)		
HH	9	6
TB	15	15
KM	7	5
Total	31	26
10. Lease of water bodies to RMOs (no.)		
HH	10	14
TB	4	4
KM	6	6
Total	20	24
11. No. of communities following regulations (no. of community)		
HH	30	31
TB	21	36
KM	25	36
Total	76	103
12. No. of individuals reached by public awareness activities (no. of people)		
HH	30,000	62,686
TB	29,000	39,152
KM	22,800	62,909
Total	81,800	164,747
13. Floodplains/wetlands resource management organizations (RMOs)		
a. Participatory community planning		
- Conducted PCP		
HH	3	11
TB	4	13
KM	4	8
Total	11	32
- Resources planning meeting		
HH	25	32
TB	12	9
KM	8	12
Total	45	53

Items	Project	Achievement
Activities	Target	as on 31st August 2003
14. Establish access of RMOs		
a. Registration of RMOs		
HH	10	7
TB	4	3
KM	6	4
Total	20	14
b. Constitution established with guidelines & management of code of conduct		
HH	10	7
TB	4	3
KM	6	4
Total	20	14
c. Capacity building training for RMOs/staff conducted		
HH	90	30
TB	12	15
KM	12	18
Total	114	63
d. Cross visit		
HH	2	1
TB	4	1
KM	10	4
Total	16	6
e. Refresher training		
HH	10	-
TB	5	5
KM	12	1
Total	27	6
f. EC meeting of RMO		
HH	198	245
TB	60	57
KM	52	100
Total	310	402
g. GB meeting of RMO		
HH	22	43
TB	20	20
KM	43	27
Total	85	90
h. JRMO/CRMO meeting		
HH	108	137
TB	No J/C	
KM	84	19
Total	192	156
i. Resource management plan developed		
HH	9	14
TB	12	6
KM	8	12
Total	29	32
15. Awareness program (Env./Institution mobilization)		
a. Para level (no.)		
HH	30	118
TB	50	91
KM	30	272
Total	110	481

Items	Project	Achievement
Activities	Target	as on 31st August 2003
b. Village level (no.)		
HH	40	141
TB	7	90
KM	8	162
Total	55	393
c. UP level (no.)		
HH	21	12
TB	8	8
KM	4	5
Total	33	25
d. Upazila level (no.)		
HH	24	6
TB	8	2
KM	5	2
Total	37	10
e. Introductory Seminar (no.)		
HH	1	2
TB	1	3
KM	1	4
Total	3	9
f. School programs (no.)		
HH	-	5
TB	-	1
KM	-	2
Total	-	8
g. School class session program		
HH	-	-
TB	-	226
KM	-	58
Total	-	284
h. Drama, Baul songs & video shows		
HH	20	93
TB	12	40
KM	10	38
Total	42	171
i. Day Observance (no.)		
HH	10	16
TB	10	13
KM	10	13
Total	30	42
j. Knowledge sharing among GO/NGOs/RMOs/Community etc.		
HH	15	18
TB	10	25
KM	10	2
Total	35	45
16. Watershed Management		
a. Tree nursery		
HH	1	2
Total	1	2
b. Awareness meetings/workshops		
HH	50	83
Total	50	83
c. Pineapple demonstration plots		
HH	15	31
Total	15	31

Appendix-4

Habitat Restoration Tables

- **Species diversity comparisom tables**
- **List of plant species reintroduced**
- **List of fish species reintroduced**
- **Background tables for trees planted by area**
- **Species diversity tables all sites**
- **Background tables for aquatic habitat**
- **Conversion from annual to perennial**

Species Diversity Comparison of Hail Haor by different Intervention

Species Name(Bengali)	Scientific Name	Baseline	Impact-1	Impact-2	Impact-3
Jat Puti	<i>Puntius sophore</i>	v	v	v	v
Kanchan Puti	<i>Puntius conchoni</i>	v	v	v	v
Tit Puti	<i>Puntius ticto</i>	v	v	v	v
Jhili Puti	<i>Puntius gelius</i>	v	v	v	v
Futani Puti	<i>Puntius phutunio</i>	v	v	v	v
Teri Puti	<i>Puntius terio</i>	v	X	X	v
Mola Puti	<i>Puntius guganio</i>	X	X	v	v
Shar Puti	<i>Puntius sarana</i>	X	X	v	v
Chola Puti	<i>Puntius chola</i>	v	v	X	v
Thai Shor Puti	<i>Puntius gonionotus</i>	v	v	v	v
Bagha Puti	<i>Puntius stigma</i>	X	X	X	v
Mola	<i>Amblypharyngodon mola</i>	v	v	v	v
Chela	<i>Oxygaster pholo</i>	v	v	v	v
Chep Chela	<i>Chela laubuca</i>	v	v	v	v
Ranga Chanda	<i>Chanda ranga</i>	v	v	v	v
Lamba Chanda	<i>Chanda nama</i>	v	v	v	v
Gol Chanda	<i>Chanda baculis</i>	v	v	v	v
Chapila	<i>Gudusia chapra</i>	v	v	v	v
Khalisha	<i>Colisa fasciatus</i>	v	v	v	v
Lal Khalisha	<i>Colisa lalius</i>	v	v	v	v
Chuna Khalisha	<i>Colisa laboisa</i>	v	v	v	v
Dankina	<i>Rasbora daniconius</i>	v	v	v	v
Meni/Bheda	<i>Nandus nandus</i>	v	v	v	v
Koi	<i>Anabas testudineus</i>	v	v	v	v
Kali/Napti Koi	<i>Badis badis</i>	v	v	v	v
Bele	<i>Glossogobius giurius</i>	v	v	v	v
Rani	<i>Botia dario</i>	v	v	v	v
Kachki	<i>Corica soborna</i>	v	X	X	X
Kaikla	<i>Xenentodon cancila</i>	v	v	v	v
Poa	<i>Pama pama</i>	X	v	X	v
Gutum	<i>Lepidocephalus guntea</i>	v	v	v	v
Khalla/Kharshulla	<i>Mugil corsula</i>	X	X	v	X
Tin Chokha	<i>Aplocheilus panchax</i>	v	v	v	v
Boro Baim	<i>Mastacembelus armatus</i>	v	v	v	v
Guchi Baim	<i>Mastacembelus pancalus</i>	v	v	v	v
Tara Baim	<i>Macrognathus aculeatus</i>	v	v	v	v
Kuicha	<i>Cuchia cuchia</i>	v	v	v	v
Taki	<i>Channa punctatus</i>	v	v	v	v
Shol	<i>Channa striata</i>	v	v	v	v
Gojar	<i>Channa marulius</i>	v	v	v	v
Cheng	<i>Channa gachua</i>	v	v	v	v
Vangra	<i>Labeo boga</i>	v	X	v	X
Goinna	<i>Labeo gonius</i>	v	v	v	v
Tatkini	<i>Crossocheilus latius</i>	X	v	X	X
Raek	<i>Cirrhinus reba</i>	X	X	X	v
Air	<i>Mystus aor</i>	v	v	X	v
Bajri Tengra	<i>Mystus tengara</i>	v	v	v	v

Species Name(Bengali)	Scientific Name	Baseline	Impact-1	Impact-2	Impact-3
Golsa	<i>Mystus cavasius</i>	v	v	v	v
Tengra	<i>Mystus vittatus</i>	v	v	v	v
Kabasi Tengra	<i>Mystus cavasius</i>	X	X	X	v
Bacha	<i>Eutropiichthys vacha</i>	v	v	v	v
Baspata/Kazuli	<i>Danio devario</i>	X	X	X	v
Boal	<i>Wallago attu</i>	v	v	v	v
Pangas	<i>Pangasius pangasius</i>	X	X	X	v
Kani Pabda	<i>Ompok bimaculatus</i>	v	v	v	v
Pabda/Madhu Pabda/Kowakata/Ghorakata	<i>Ompok pabda</i>	v	v	v	v
Chaka/Gangina/Kowakata	<i>Chaka chaka</i>	v	v	v	v
Shing	<i>Heteropneustes fossilis</i>	v	v	v	v
Magur	<i>Clarius batrachus</i>	v	v	v	v
African Magur	<i>Clarias gariepinus</i>	X	v	X	X
Chital	<i>Notopterus chitala</i>	X	X	X	v
Foli	<i>Notopterus notopoterus</i>	v	v	v	v
Telapia	<i>Oreochromis (Telapia) mossambicus</i>	v	v	v	v
Rui	<i>Labeo rohita</i>	v	v	v	v
Catla	<i>Catla catla</i>	v	X	v	v
Mrigel	<i>Cirrhinus mrigala</i>	v	v	v	v
Kalibaush	<i>Labeo calbasu</i>	v	v	v	v
Silver Carp	<i>Hypophthalmichthys molitrix</i>	X	v	X	v
Grass Carp	<i>Ctenopharyngodon idellus</i>	v	v	v	v
Mirror Carp	<i>Cyprinus carpio</i>	X	v	X	X
Comon Carp/Karfu	<i>Cyprinus carpio</i>	v	v	v	v
Bighead Carp	<i>Aristechthys nobilis</i>	X	X	X	v
Gura Echa	<i>Macrobrachium lamrrei</i>	v	v	v	v
Narkeli Chela	<i>Oxygaster bacalia</i>	v	v	v	v
Naftani/Berkul	<i>Osphronemus(Ctenops) nobilis</i>	v	v	v	v
Ghaura	<i>Clupisoma garua</i>	v	X	X	X
Tepa/Futkora	<i>Tetraodon cutcutia</i>	v	v	v	v
Buth Koi/Bali Chata/Balitara	<i>Nemacheilus batia</i>	X	v	v	X
Satka Chingri	<i>Macrobrachium malcolmsonii</i>	X	X	v	v
Dimua/Kathalia Echa		v	v	X	v
Thengua Echa	<i>Macrobrachium birmanicus</i>	v	v	v	v
Elong		v	X	X	X
Gora Gutum/Ganga Shagor		v	v	v	X
Boiragi Echa		v	X	X	X
Reckha Kholisha		v	v	v	v
Sheild Kholisha	<i>Colisa labiosus</i>	v	v	v	X
Kecho Bime	<i>Ophichthys boro</i>	v	X	X	X
Potka	<i>Tetraodon patoca</i>	v	v	v	v
Senia (Eusufi)	<i>Gagata cenia</i>	X	v	v	X
Moa	<i>Rohtee cotio</i>	X	v	v	v
Total		71	71	69	76

Species Diversity Comparison of Turag Bongshi by different Intervention

Species Name(Bengali)	Scientific Name	Baseline	Impact-1	Impact-2	Impact-3
Jat Puti	<i>Puntius sophore</i>	v	v	v	v
Kanchan Puti	<i>Puntius conchoni</i>	v	v	v	v
Tit Puti	<i>Puntius ticto</i>	v	v	v	v
Jhili Puti	<i>Puntius gelius</i>	v	v	v	v
Futani Puti	<i>Puntius phutunio</i>	v	X	X	X
Chola Puti	<i>Puntius chola</i>	v	v	v	v
Thai Shor Puti	<i>Puntius gonionotus</i>	v	v	v	v
Bagha Puti	<i>Puntius stigma</i>	v	v	v	v
Mola	<i>Amblypharyngodon mola</i>	v	v	v	v
Dhela	<i>Amblypharyngodon microlepis</i>	v	v	v	v
Chela	<i>Oxygaster pholo</i>	v	v	v	v
Chep Chela	<i>Chela laubuca</i>	v	X	X	X
Ranga Chanda	<i>Chanda ranga</i>	v	v	v	v
Lamba Chanda	<i>Chanda nama</i>	v	v	v	v
Gol Chanda	<i>Chanda baculis</i>	v	v	v	v
Chapila	<i>Gudusia chapra</i>	v	v	v	v
Khalisha	<i>Colisa fasciatus</i>	v	v	v	v
Lal Khalisha	<i>Colisa lalius</i>	v	v	v	v
Chuna Khalisha	<i>Colisa laboisa</i>	v	v	v	v
Dankina	<i>Rasbora daniconius</i>	v	v	v	v
Koi	<i>Anabas testudineus</i>	v	v	v	v
Kali/Napti Koi	<i>Badis badis</i>	v	v	v	v
Bele	<i>Glossogobius giurius</i>	v	v	v	v
Rani	<i>Botia dario</i>	v	v	v	v
Kachki	<i>Corica soborna</i>	v	v	v	v
Kaikla	<i>Xenentodon cancila</i>	v	v	v	v
Poa	<i>Pama pama</i>	v	v	v	v
Gutum	<i>Lepidocephalus guntea</i>	v	v	v	v
Khalla/Kharshulla	<i>Mugil corsula</i>	v	v	v	v
Peali	<i>Aspidoparia morar</i>	v	v	v	v
Tin Chokha	<i>Aplocheilus panchax</i>	v	v	v	v
Fesha	<i>Raconda russeliana</i>	v	X	X	v
Boro Baim	<i>Mastacembelus armatus</i>	v	v	v	v
Guchi Baim	<i>Mastacembelus pancalus</i>	v	v	v	v
Tara Baim	<i>Macrognathus aculeatus</i>	v	v	v	v
Kuicha	<i>Cuchia cuchia</i>	v	v	X	v
Taki	<i>Channa punctatus</i>	v	v	v	v
Shol	<i>Channa striata</i>	v	v	v	v
Cheng	<i>Channa gachua</i>	v	v	v	v
Vangra	<i>Labeo boga</i>	v	v	v	X
Tatkini	<i>Crossocheilus latius</i>	v	v	v	v
Air	<i>Mystus aor</i>	v	v	v	v
Guzi air/Guzkata	<i>Mystus seenghala</i>	v	X	v	v
Bagha Air	<i>Bagarius bagarius</i>	v	v	v	v
Batasi	<i>Clupisoma (Pseudentropius) atherinoides</i>	v	v	v	v
Golsa	<i>Mystus cavasius</i>	v	v	v	v
Tengra	<i>Mystus vittatus</i>	v	v	v	v

Species Name(Bengali)	Scientific Name	Baseline	Impact-1	Impact-2	Impact-3
Bacha	<i>Eutropiichthys vacha</i>	v	v	v	v
Baspata/Kazuli	<i>Danio devario</i>	v	v	v	v
Boal	<i>Wallago attu</i>	v	v	v	v
Rita	<i>Rita rita</i>	v	v	v	v
Silong	<i>Silonia silondia</i>	v	v	v	v
Kani Pabda	<i>Ompok bimaculatus</i>	v	v	v	v
Pabda/Madhu *					
Pabda/Kowakata/Ghorakata	<i>Ompok pabda</i>	v	v	v	v
Chaka/Gangina/Kowakata	<i>Chaka chaka</i>	v	v	v	v
Shing	<i>Heteropneustes fossilis</i>	v	v	v	v
Magur	<i>Clarius batrachus</i>	v	v	v	v
Foli *	<i>Notopterus notopterus</i>	v	v	v	v
Hilsha (Jatka)	<i>Tenualosa ilisha</i>	v	v	v	v
Telapia	<i>Oreochromis (Telapia) mossambicus</i>	v	v	v	v
Rui *	<i>Labeo rohita</i>	v	v	v	v
Catla	<i>Catla catla</i>	v	v	v	v
Mrigel	<i>Cirrhinus mrigala</i>	v	v	v	v
Kalibaush *	<i>Labeo calbasu</i>	v	v	v	v
Silver Carp	<i>Hypophthalmichthys molitrix</i>	v	v	v	v
Comon Carp/Karfu	<i>Cyprinus carpio</i>	v	v	v	v
Gura Echa	<i>Macrobrachium lamrei</i>	v	v	v	v
Golda Echa	<i>Macrobrachium rosenbergii</i>	v	v	v	v
Narkeli Chela	<i>Oxygaster bacalia</i>	v	X	X	X
Naftani/Berkul	<i>Osphronemus(Ctenops) nobilis</i>	v	X	X	X
Ghaura	<i>Clupisoma garua</i>	v	v	v	v
Tepa/Futkora	<i>Tetraodon cutcutia</i>	v	v	v	v
Buth Koi/Bali Chata/Balitora	<i>Nemacheilus batia</i>	v	v	v	v
Satka Chingri	<i>Macrobrachium</i>	v	v	v	v
Putul	<i>Botia lohachata</i>	v	X	X	X
Dimua/Kathalia Echa		v	v	v	v
Gora Gutum/Ganga Shagor		v	v	v	v
Gugri Bila		v	v	v	v
Potka	<i>Tetraodon patoca</i>	v	v	v	X
Nayan bali		v	v	v	v
GangChela/Ghora Chel		v	X	v	v
Peashi	<i>Aspidoparia jaya</i>	v	v	v	v
Mola Puti	<i>Puntius guganio</i>	X	X	v	v
Shar Puti *	<i>Puntius sarana</i>	X	X	X	v
Meni/Bheda *	<i>Nandus nandus</i>	X	v	v	v
Gojar *	<i>Channa marulius</i>	X	v	v	v
Goinna	<i>Labeo gonius</i>	X	X	X	v
Bajri Tengra	<i>Mystus tengara</i>	X	X	v	v
Kabasi Tengra		X	X	v	v
Pangas	<i>Pangasius pangasius</i>	X	X	v	X
African Magur	<i>Clarias gariepinus</i>	X	v	X	v
Chital	<i>Notopterus chitala</i>	X	X	X	v
Grass Carp	<i>Ctenopharyngodon idellus</i>	X	v	v	v
Mirror Carp	<i>Cyprinus carpio</i>	X	v	v	v

Species Name(Bengali)	Scientific Name	Baseline	Impact-1	Impact-2	Impact-3
Bighead Carp	<i>Aristechthys nobilis</i>	X	X	X	v
Gang Tengra	<i>Gagata viridescens</i>	X	X	v	X
Tengra (Batasio)	<i>Batasio batasio</i>	X	v	X	v
Senia (Eusufi)	<i>Gagata cenia</i>	X	X	v	v
Mamoli Chapila		X	v	v	v
Chenua		X	X	X	v
Total		82	81	86	91

* Introduced, re-introduced fish spp.

Species Diversity Comparison of Kongshow Malijhee by different Intervention

Bengali Name	Scientific Name	Baseline	Impact-1	Impact-2
Jat Puti	Puntius sophore	v	v	v
Kanchan Puti	Puntius conchoni	v	v	v
Tit Puti	Puntius ticto	v	v	v
Jhili Puti	Puntius gelius	v	X	X
Futani Puti	Puntius phutunio	X	X	v
Mola Puti	Puntius guganio	v	X	X
Shar Puti	Puntius sarana	v	v	v
Chola Puti	Puntius chola	v	X	v
Thai Shor Puti	Puntius gonionotus	v	v	v
Bagha Puti	Puntius stigma	X	v	v
Mola	Amblypharyngodon mola	v	v	v
Dhela	Amblypharyngodon microlepis	v	v	v
Chela	Oxygaster pholo	v	v	v
Chep Chela	Chela laubuca	v	v	v
Ranga Chanda	Chanda ranga	v	v	v
Lamba Chanda	Chanda nama	v	v	v
Gol Chanda	Chanda baculis	v	v	v
Chapila	Gudusia chapra	v	v	v
Khalisha	Colisa fasciatus	v	v	v
Lal Khalisha	Colisa lalius	v	v	v
Chuna Khalisha	Colisa laboisa	v	v	v
Dankina	Rasbora daniconius	v	v	v
Meni/Bheda	Nandus nandus	X	X	v
Koi	Anabas testudineus	v	v	v
Kali/Napti Koi	Badis badis	v	v	v
Bele	Glossogobius giurius	v	v	v
Rani	Botia dario	v	v	v
Kaikla	Xenentodon cancila	v	v	v
Poa	Pama pama	X	v	v
Gutum	Lepidocephalus guntea	v	v	v
Tin Chokha	Aplocheilichthys panchax	v	X	v
Boro Baim	Mastacembelus armatus	v	v	v
Guchi Baim	Mastacembelus pancalus	v	v	v
Tara Baim	Macrognathus aculeatus	v	v	v
Kuicha	Cuchia cuchia	v	v	v
Taki	Channa punctatus	v	v	v
Shol	Channa striata	X	v	v
Gojar	Channa marulius	X	v	v
Cheng	Channa gachua	v	v	v
Bata	Labeo bata	v	v	v
Vangra	Labeo boga	v	X	v
Goinna	Labeo gonius	X	v	v
Tatkini	Crossocheilus latius	v	v	v
Raek	Cirrhinus reba	X	v	v
Nandil	Labeo nandina	v	v	v
Air	Mystus aor	v	X	X
Guzi air/Guzkata	Mystus seenghala	X	X	v

Bengali Name	Scientific Name	Baseline	Impact-1	Impact-2
Bagha Air	Bagarius bagarius	v	X	X
Batasi	Clupisoma (Pseudentropius) atherrinoides	v	v	v
Bajri Tengra	Mystus tengara	X	X	v
Golsa	Mystus cavasius	v	v	v
Tengra	Mystus vittatus	v	v	v
Kabasi Tengra		X	v	X
Boal	Wallago attu	v	v	v
Pangas	Pangasius pangasius	X	v	v
Silong	Silonia silondia	X	X	v
Kani Pabda	Ompok bimaculatus	v	X	X
Pabda/Madhu Pabda/Kowakata/Ghorakata	Ompok pabda	v	v	v
Shing	Heteropneustes fossilis	v	v	v
Magur	Clarius batrachus	v	v	v
African Magur	Clarias gariepinus	X	v	X
Foli	Notopterus notopterus	v	v	v
Hilsha (Jatka)	Tenualosa ilisha	X	v	v
Telapia	Oreochromis (Telapia) mossambicus	X	v	v
Rui	Labeo rohita	v	v	v
Catla	Catla catla	v	v	v
Mrigel	Cirrhinus mrigala	v	v	v
Kalibaush	Labeo calbasu	v	v	v
Silver Carp	Hypophthalmichthys molitrix	v	v	v
Grass Carp	Ctenopharyngodon idellus	v	v	v
Mirror Carp	Cyprinus carpio	v	v	v
Comon Carp/Karfu	Cyprinus carpio	v	v	v
Bighead Carp	Aristichthys nobilis	X	X	v
Gura Echa	Macrobrachium lamrei	v	v	v
Golda Echa	Macrobrachium rosenbergii	v	v	X
Naftani/Berkul	Osphronemus (Ctenops) nobilis	X	v	X
Ghaura	Clupisoma garua	v	v	X
Tepa/Futkora	Tetraodon cutcutia	v	v	v
Gora Gutum/Ganga Shagor		v	v	v
Gugri Bila		X	X	v
Potka	Tetraodon patoca	v	X	X
Senia (Eusufi)	Gagata cenia	X	v	X
GangChela/Ghora Chel		v	X	v
Batai		v	v	X
		64	67	71

* introduced, reintroduced fish spp

List of plant species reintroduced

Sl. No	Bangla name	Scientific name
1	Mahogany	<i>Swietenia macrophylla</i>
2 *	Shishu	<i>Dalbargia sissoo</i>
3 *	Arjun	<i>Terminalia arjuna</i>
4	Jaam	<i>Syzygium jambulana</i>
5 *	Akashmoni	<i>Acacia auriculiformis</i>
6	Mangium	<i>Acacia mangium</i>
7	Kanthal	<i>Artocarpus heterophylla</i>
8	Bakain	<i>Melia azadarach</i>
9	Shegun/ Teak	<i>Tectona grandis</i>
10	Aam	<i>Mangifera indica</i>
11	Kala Koroi	<i>Albizia lebbeck</i>
12	Shil Koroi	<i>Albizia procera</i>
13	Raj Koroi/Road Chambal	<i>Albizia richardiana</i>
14	Jarul	<i>Lagerstromia flosregene</i>
15	Rain-tree	<i>Samanea saman</i>
16	Kadom	<i>Anthocephalus kadamba</i>
17	Chikrashi	<i>Chickrassia tabularis</i>
18	Chapalish	<i>Artocarpus chaplasha</i>
19	Telsur	<i>Hopea odorata</i>
20	Jalpai	<i>Elaeocarpus robusta</i>
21	Bamboo/ Baash	<i>Bambusa vulgaris</i>
22	Katt Badam	<i>Terminalia katappa</i>
23	Dewa / Borta	<i>Artocarpus lakoocha</i>
24	Semul	<i>Salmalia malabaricum</i>
25	Sheora	<i>Streblus asper</i>
26	Hijol	<i>Barringtonia aquatangula</i>
27	Koroch	<i>Pongamia glabra</i>
28	Pitali	<i>Trewia nudiflora</i>
29	Barun	<i>Crataeva nurvula</i>
30	Khude Jaam	<i>Syzygium fruticosa</i>
31	Boroi	<i>Ziziphus mauritiana</i>
32	Babla	<i>Acacia nilotica</i>
33	Ipil-Ipil	<i>Leucaena lucocephella</i>
34	Chalta	<i>Dillenea indica</i>
35	Neem	<i>Azadirachta indica</i>
36	Lombu	<i>Pajenellia longifolia</i>
37	Aamloki	<i>Phyllanthus emblica</i>
38	Haritaki	<i>Terminalia chevula</i>
39	Bahera	<i>Terminalia ballirica</i>
40	Bot	<i>Ficus bangalensis</i>
41	Pakur/Ashwatha	<i>Ficus religiosa</i>
42	Chatian	<i>Alstonia scholaris</i>
43	Devdaru	<i>Polialthia longifolia</i>
44	Mahua	<i>Bassia latifolia</i>

45	(Jongli) Aamra	<i>Spondias pinnata</i>
46	Bokool	<i>Mimassops elengi</i>
47	Dumoor	<i>Ficus semicordata</i>
48	Garjan	<i>Dipterocarpus turbinatus</i>
49	Telsur	<i>Hopea odorata</i>
50	Pitraj	<i>Amoora wallichii</i>
51	(Pobon) Jhau	<i>Casuarina equisetifolia</i>
52	Lohakatt	<i>Xylia dolabriformis</i>
53	Polash	<i>Butea monosparma</i>
54	Krishna Chhura	<i>Delonix regia</i>
55	Agor	<i>Aquillaria agallocha</i>

* Introduced or re-introduced spp

Re-introduction of threatened fish species:

Site	Year	Species Re-introduced	Number
Kaliakoir	2001	Kalibaush(<i>Labeo calbasu</i>),	10
		Pabda(<i>Ompok pabda</i>), Deshi-	12
		Sarputi(<i>Puntius sarana</i>),	80
		Foli(<i>Notopterus notopterus</i>),	20
		Meni(<i>Nandus nandus</i>)	14
		* Brood of the above fishes was introduced.	
		Total	136
	2002	Rui(<i>Labeo rohita</i>)	26,434
		Kalibaush(<i>Labeo calbasu</i>)	144
		Gonia(<i>Labeo gonius</i>)	5,051
		Total	31,629
	2003	Rui(<i>Labeo rohita</i>)	109,510
		Gonia(<i>Labeo gonius</i>)	24,332
		Total:	133,842
		Sub-total	165,607
Sherpur site	2001	Shol(<i>Channa striata</i>)	11,180
		Gojar(<i>Channa marulius</i>)	1,390
		Kalibaush(<i>Labeo calbasu</i>)	16,940
		Gonia(<i>Labeo gonius</i>)	12,780
		Total	42,290
	2002	Meni (<i>Nandus nandus</i>)	372
		Sarputi (<i>Puntius sarana</i>)	2,090
		Pabda (<i>Ompok pabda</i>)	137
		Kalibaush(<i>Labeo calbasu</i>)	175
		Gonia(<i>Labeo gonius</i>)	11,028
		Gulsha(<i>Mystus cavasius</i>)	30
		Rui(<i>Labeo rohita</i>)	320
		Total	14,152
	2003	Gonia(<i>Labeo gonius</i>)	7,439
		Bata(<i>Labeo bata</i>)	6,534
		Shol(<i>Channa striata</i>)	70
		Chapila(<i>Gudusia chapra</i>)	150
		Rui(<i>Labeo rohita</i>)	27,939
		Total	42,132
		Sub-Total	98,574
Sreemangal site	2001	Gonia(<i>Labeo gonius</i>)	13,200
		Ayer(<i>Mystus aor</i>)	384
		Kalibaush(<i>Labeo calbasu</i>)	2,108
		Sarputi(<i>Puntius sarana</i>)	4,136
		Total	19,828

Site	Year	Species	Number
	2002	Gonia(<i>Labeo gonius</i>)	14,350
		Ayer(<i>Mystus aor</i>)	2,934
		Kalibaush(<i>Labeo calbasu</i>)	15,213
		Sarputi(<i>Puntius sarana</i>)	3,600
		Total	36,097
	2003	Rui(<i>Labeo rohita</i>)	117,253
		Gonia(<i>Labeo gonius</i>)	59092
		Ayer(<i>Mystus aor</i>)	500
		Total	176,845
		Sub-Total	232,770
		Grand-Total	496951

Re-introduction of species since inception to the end of the project period:

Species	HH	TB	KM	Total
Ayer(<i>Mystus aor</i>)	3,818	-	-	3,818
Gonia(<i>Labeo gonius</i>)	86642	29,383	31,247	147272
Rui(<i>Labeo rohita</i>)	117,253	135,944	28,259	281,456
Sarputi (<i>Puntius sarana</i>)	7,736	80	2,090	9,906
Kalibaush(<i>Labeo calbasu</i>)	17,321	154	17,115	34,590
Chapila(<i>Gudusia chapra</i>)	-	-	150	150
Shol(<i>Channa striata</i>)	-	-	11,250	11,250
Bata(<i>Labeo bata</i>)	-	-	6,534	6,534
Gulsha(<i>Mystus cavasius</i>)	-	-	30	30
Pabda(<i>Ompok pabda</i>)	-	12	137	149
Meni(<i>Nandus nandus</i>)	-	14	372	386
Gojar(<i>Channa marulius</i>)	-	-	1,390	1,390
Foli(<i>Notopterus notopterus</i>)	-	20	-	20
Total	232770	165,607	98,574	496951

Fingerling stocked during 2003 (Jan- Sept 15):

Site	Rui	Gonia	Ayer	Bata	Shol	Shapila	Total
HH	117253	58842	500				176595
KM	27939	7439		6534	70	150	42132
TB	109510	24332					133842
	254702	90613	500	6534	70	150	352569

Background tables for trees planted by areas

Trees planted under MACH Project Up to August 2003 : (RMO Organized i.e. CNRS)

Site	Riparian					Swamp					Institution					G.Total
	2000	2001	2002	2003	Sub-Total	2000	2001	2002	2003	Sub-Total	2000	2001	2002	2003	Sub-total	
HH	13,722	4,107	15,242	15,567	48,638	18,882	5,700	0	1,725	26,307	200	2,100	1,250	8,301	11,851	86,796
TB	0	3,100	10,100	9,892	23,092	0	400	1,225	203	1,828	3,286	6,422	6,658	7,156	23,522	48,442
KM	0	7,873	19,422	69,429	96,724	0	5525	4,299	2,850	12,674	0	944	7,000	15,228	23,172	132,570
Total	13,722	15,080	44,764	94,888	168,454	18,882	11,625	5,524	4,778	40,809	3,486	9,466	14,908	30,685	58,545	267,808

Trees planted upto August 2003

Site	Road Site					Instution					Grand
	2000	2001	2002	2003	Sub-Total	2000	2001	2002	2003	Sub-Total	Total
HH	6,020	6,620	4,000	1,950	18,590	480	1,830	3,830	1,995	8,135	26,725
TB	4,200	4,725	2,287	0	11,212	0	1,332	2,475	0	3,807	15,019
KM	0	5,500	8,260	1,525	15,285	0	2,000	5,000	1,200	8,200	23,485
Total	10,220	16,845	14,547	3,450	45,087	480	5,162	11,305	3,195	20,142	65,229

Site wise, Year wise Plantations Raised from 1999 - 2003
Partner Organization : CNRS

Site	Year of Plantn.	Type of Plantatn.	Name of Plantation Scheme	Extent of Plantatn.# Saplings planted		Remarks
				Km	Ha	
Hail Haor	1999-2000	Riparian Plantatn.	i). Boula Chhar	7		4004
			ii). Joita Chhara	7		6,018
			iii). Aliya Chaara	5		1,400
			iv). Jaag Chhara	4		2,300
			Sub-Total	23		13,722
		Swamp Plantation	a. Kagaura Kandi		1.5	10,000
			b. Ichhamoti Chhara	0.7		370
			c. Kazura Beel Bank	0.175		412
			d. Agari Beel Bank	0.35		700
			e. Jethua Beel Bank	0.73		2500
			f. Gondorbopur			900
			g. Lamua Road	4		4,000
			Sub-Total	5.955	1.5	18,882
		Institution Olantatn.	1 Institution			200
		Total for the year 1999-2000		28.955		32,804
	2000 -2001	Riparian Plantatn.	i). Joita Chhara			3,027
			ii). Aliya Chhara			110
			iii). Jaag Chhara	0.5		970
			Sub-Total			4,107
		Swamp Plantation	a. Kagaura Kandi		2.3	5,700
		Institution Plantatn.	16 Institutions			2,100
		Total for the year 2000-2001		0.5		11,907
	2001 - 2002	Riparian Plantatn.	i). Joita Chhara			4,546
			ii). Aliya Chhara	3		10,696
			Sub-Total	3		15,242
		Institution Plantatn.	4 Institutions			1,250
		Total for the year 2001-2002		3		16,492
	2002-2003	Riparian Plantatn.	i). Jolom Chhara	1	0	626
			ii). Mora Chhara	0.8		500
			iii). Ichhamoti Chhara	0.6		645
			iv). Burchungi Chhara	1		448
			v). Makria Chhara	2.5		1,255
			vi). Alia CHHar (Middle)	3		2,220
			vii). Alia Chhara lower	1		650
			viii). Ful Chhara (Upper & Lowe	1		2,250
			ix). Shaon Chhara	2.5		1,200
			x). Boruna to Hazipur road	3		3,135
			xi). Shial Chhara emkkt.	0.5		1,233
			xii). Agari Beel Embkkt.	1		200
			xii). Kajura Canal	0.75		1,205
			Sub-total	18.65	0	15,567
		Swamp	Kagaura Kandi	0.5		1,725
		Institution Plantatn.	43 institutions			8,301
		Total for the year 2002-2003		19.15		25,593
		Grand Total for HH Site (1999-2003)		51.605		86,796
Turag-Bongshi	1999 - 2000	Institution Olantatn.	16 Institutions			3,286
		Total for the year 1999-2000				3,286
	2000- 2001	Riparian Plantatn.	Turag River Bank	4		3,100
		Swamp Plantatn.			0.16	400
		Institution Plantatn.	35 Institutions			6,422
		Total for the year 2000-2001		4	0.16	9,922

	2001 -2002	Riparian Plantatn.	Turag River Bank	10		10,100	
		Swamp Plantatn.	Mokosh & Alua beel periphery	1	0.13	1,225	
		Institution Plantatn.	18 Institutions			4,213	
		Homestead plantatn.	489 Homesteads			2,445	
		Total for the year 2001-2002		11	0.13	17,983	
	2002-2003	Riparian Plantatn.	i). Billbaria to Rashidpur	2		1,702	
			ii). Boroibari to Ashari Bari Road	0.75		400	
			iii). Boroibari bridge to Ideal colony	1		640	
			iv). Turag river bank (Kutubdia)	4		4,948	
			v). Kaliakoir Sr. Madrasga to Rajbari	1		987	
			vi). Dhalibari to Medi Road	0.5		240	
			vii). Alua Beel surrounding		0.3	665	
			viii). Der Chala Beel surrounding		0.2	310	
			Sub Total	9.25	0.5	9,892	
		Swamp Plantatn.	Folimaradoah surrounding		0.2	203	
		Institution Plantatn.	24# Institutions			7,156	
		Total for the year 2002-2003		9.25	0.7	17,251	
		Grand Total for T-B Site (1999-2003)		24.25		48,442	
Kongsho-Malijhee	2000-2001	Riparian Plantatn.	i). Paglarmukh to Tinani -Stream	3		3,839	
			ii). Hasligaon to Dargar khal	2		1,426	
			iii). Katakhal bridge to Takimari	1.2		1,100	Includes 700 Hijal saplings
			iv). Biswa road Porar Dokan -T	1.25		1,251	
			v). Patch forest, Ghagra-Kamarpara		0.1	257	
			Sub-Total	7.45	0.1	7,873	
		Swamp Plantatn.	Paglar Mukh to Dorgar Khal	6.5		5,525	
		Institution Plantatn.	11 Institutions			944	
		Total for 2000-2001		13.95	0.1	14,342	
	2001 - 2002	Riparian Plantatn.	i). Batia Gaon to Dorgar Khal	3		2,335	
			ii). Bania Para to Malijhee river	2		1,510	
			iii). Kala Ghosha Jhara Bank plant	8.5		11,380	
			iv). Bagher Vita Ashrayan app	1.5		2,892	Includes 352 Hijal saplings
			v). Nokshi-Mala Jhara (Jamtali -Latif's House)	1.2		1,305	
			Sub-Total	16.2		19,422	
		Swamp plantation	a. Kata Khali bride to Takimari	0.8		1,067	1 extra row added to slope of 2001 plantation
			b. Baliachandi to Dariar Par	2		3,232	
		Institution Plantatn.	73 Institutions			7,000	
		Total for 2001-2002		19	0	30,721	
	2002-2003	Riparian Plantatn.	1. Jhinaigati BRAC to Dakabari	1		1,000	
			2. Dhanshail to Banda bhatpara	2		2,835	
			3. Batibanda uttarpara to Dakha	3		2,950	
			4. Digharpar madrasga to J. ga	1		3,250	
			5. Konagaon bridge to Baliach	1.1		1,100	
			6. Dakabar Balurghat patch forest		0.4	2,205	
			7. UNO office backside Rd. Jhe	3		6,000	
			8. Tetultala bazaar to Surjadi H	1.3		1,150	
			9. Surjadi eidgaon -Tinani para	0.9		750	
			10. Protabia to Bot Tala Road	1.5		1,300	
			11. Shutir Par Bazar to Chakan				
			Dharia Road up to Balurghat Bridge	1.0		662	
			12. Chakpara Koroikanda bridge to	1.0		1000	
			13. Haora niz Fakir bari to Moinary	0.5		410	
			14. Julgaon Sarker Bari to Kata Khali	1.0		1000	
			15. Julgaon Koya Road (from Hazi Nowab Ali's House to Hasligaon	0.5		506	
			16. Bania Para to Ruha Beel Road	1.0		1000	
			17. Katakhal khal	2.0		2100	
			18. Dhansail Modhypara to Chakpara Road (from Abdul Jabbar's house to	1.3		1129	
			19. Tota Member's house to Dudnoi Bazar Road via Panbor	5.0		4800	

			20. Tal Tala to Abul Hossen Master's	1.0		935	
			21. Bagher Vita Bazar to Gajarmari Ghat Road, Dhanshail	2.5		2,970	
			22. Dhanshail Maittya Mosque to	2.0		1690	
			23. Shahati Bridge to Bhaluka School	2.0		1900	
			24. Nun Khola to Jaam tali Bazar	3.0		3000	
			25. Jhenaigati Girl's School to Fulhari Upto Kalaghosa River	4.0		3500	
			26. Bakkar Mistry's House to Bangal Bura's House road	1.5		610	
			27. Bakakura Bazar to Panbor Bazar Via Dhanshail Chalkpara Mad.	3.5		3800	
			28. Bakakura Bazar to Tri-muhani via Bakakura Christian Mission	1.5		1300	
			29. Chapa Jhara to West Dariarpar Road (Upto Chairman's House	2.0		1902	
			30. Noon Khola to Deplai School	3.0		2000	
			31. Abdul Jabbar's Land at		0.60	1100	
			32. Achia Bewa's Private Land at		0.28	300	
			33. Abul Hossain Commander's Private land at Dhanshail		0.30	700	
			34. Jhuhurul Mohlana House to Bakkar Mohlana House Dariarpar	1.0		1000	
			35. Abdul Zabbar's (BDR) Private Land Chalkpara, Dhanshail		1.25	1075	
			36. Abdul Ali's Private Land		1.00	1300	
			37. Gazni Obokash kendra plantatn.		2	5,200	
			Sub Total=	55.05	5.83	69,429	
		Swamp plantation	I). Dorikalinagar to Kanduli	3		2,850	
		Institution Plantatn.	103 # Institutions			15,228	
		Total for 2002-2003		58.1		87,507	
		Grand Total for K-M Site (1999 - 2003)		91.05		132,570	
		Grand Total (UptoAug.03)		166.91		267,808	

Site wise, Year wise trees planted from 1999 - 2003

Partner Organization : MACH-CARITAS

Site	Year of Plantatn.	Type of Plantatn.	Name of Plantation Scheme	Extent of Plantatn.		# Saplings plant	Remarks		
				km	Ha				
Hail Haor	1999-2000	Road Side	i). Pachoun - Kheaghat doad						
			ii). Rustampur- Hail Haor road	1		900			
			iii). Bilash Chhara Par	1		400			
			iv). Boruna - Hazipur road	0.5		925			
			v). Baruna - Nayansri road	1		925			
			vi). Kaliargaor - Hail Haor road	1		870			
			vii). Baroiuri Hail Haor road	1		1,000			
				1		1,000			
				Sub-Total	6.5		6020		
		Institution Plantatn.			480				
		Total for the year 1999-2000	6.5		6,500				
	2000-2001	Road Side	i) . Boulashir - Hail Haor road	1		1,000			
			ii). Vimshi - Hail Haor road	1		950			
			iii). Fatki - Tikria road	1.5		1,000			
			iv). Shabujbagh - Hail Haor road	1		1,000			
			v). Rahim Nagar- Nayansree road	1		900			
			vi). Gram Sreemongol- Hail Haor road	1		870			
			vii). Atghor-Manik Haor Road	1		900			
				Sub-Total	7.5		6,620		
					Institution Plantatn.			330	
		Homestead plantn.			1,500				
		Total for the year 2000-2001	7.5		8,450				
	2001-2002	Roadside	I) Shobujbagh-Hail Haor road	1		1,000			
			ii). Gram Sreemongol- Hail Haor road	1		1,000			
			iii). Atghor-Manik Haor Road	1		1,000			
			iv). ZamShi - Horina Kandi road	1		1,000			
				Sub-Total	4		4,000		
				Institution Plantatn.			30		
				Homestead plantn.			3,800		
					Total for the year 2001-2002			7,830	
	2002-2003	Roadside	Bilasherpar to Motiganj road	2		1,950			
				Institution Plantation			1,995		
				Total for the year 2002-2003	2		3,945		
			Grand Total for H H Site (1999-2003)			26,725			
Turag-Bongshi	1999-2000	Road Side	i). Matikata - Mazu Khan road	2		2,500			
			ii). Sina Bao -Mokosh Beel road	1		700			
			iii). Bansh Toli Road	0.5		200			
			iv).Main road to Vulua Ashrayan projec	0.5		800			
				Sub-Total	4		4,200		
				Total for the year 1999-2000	4		4,200		
	2000-2001	Road Side	i). Minarbaa - Betara road			600			
			ii). Sutrapur Chourasta- Majhi Para roa	1		945			
			iii). Nama Shulai - Azgana	1		620			
			iv). Boro Bari Bazaar - Dakurail road	1		960			
			v). Madan Khali - Boali road	2		1,600			
				Sub-Total	6		4,725		
				Homestead plantn.	333 Homesteads			1,332	
				Total for the year 2000-2001	6		6,057		
	2001-2002	Road Side	i). Ratanpur - Mazu Khan road	1		915			
			ii). Kanchanpur- Kota Moni road	1		792			
			iii). Shola Hati - Dhonia Para	1		580			
				Sub-Total	3		2,287		
				Homestead plantn.	456 Homesteads			2,475	
				Total for the year 2001-2002	3		4,762		

	2002-2003		0	0	0	0
	Grand total for T-B Site (1999-2003)					15,019
Kongsho - Malijhee	2000-2001	Road Side	i). Pakuria Beel bank-Bakar Kunda road	2		2,000
			ii). Matia Para- Balu Char road	1		1,000
			iii). Dori Kalinagar -Kona gaon road	1		1,000
			iv). Kona gaon primary Scool - Suri Har	1		1,000
			v). Dori Kakinagor - west Beel Bank	0.5		500
			Sub-Total	5.5		5,500
		Homestead plantn.	400 Homesteads			2,000
		Total for the year 2000-2001			5.5	7,500
	2001-2002	Road Side	I).Hawra Neez to Jarar Bari	1.5		1,500
			II). Ram Khila - Bada Tegharia road	2		2,060
			iii). Dori Kali Nagar to Utta Beel Bank	0.6		600
			iv) Kanduki Cou rastra to sonnashy tola	1.8		1,800
			v). Sari Kalinagor to Balu Chor	1.3		1,300
		vi). Salda - Baliya - Chondi	1		1,000	
		Sub-Total	8.2		8,260	
	Homestead plantn.	1,000 Homesteads			5,000	
	Institution Plantatn.	90 Institutions				
	Total for the year 2001-2002			8,2	13,260	
2002-2003	Roadside	i). Salda pry. School to east Tematha R	0.8		825	
		ii). Sarikalinagar to Gajarmari Rd.	0.7		700	
		Sub-Total	1.5		1,525	
		Homestead Plantation			1,200	
	Total for the year 2002-2003			1.5	2,725	
	Grand Total for K-M Site (1999-2003)				23,485	
	Grand Grand Total for Caritas RUG fostered plantation (1999-2003)				65,229	

Species diversity increased

Site	Fish		Plant	
	No.	Local Name (Scientific Name)	No.	Local Name (Scientific Name)
Hail Haor	8	*Shar Puti (<i>Puntius sarana</i>), Satka Chingri (<i>Macrobrachium malcolmsonii</i>), *Goinna (<i>Labeo gonius</i>), Ayer (<i>Mystus aor</i>), *Rui (<i>Labeo rohita</i>), *Kalibaush (<i>Labeo calbasu</i>), *Pabda/Madhu Pabda (<i>Ompok pabda</i>), Moa (<i>Rohtee cotio</i>),	18	Sissoo (<i>Dalbargia sissoo</i>), Arjun (<i>Terminalia arjuna</i>), Bakain (<i>Melia azadarach</i>), Chikrashi (<i>Chickrassia tabularis</i>), Telsur (<i>Hopea odorata</i>), Katt Badam (<i>Terminalia katappa</i>), Dewa/Borta (<i>Artocarpus lakoocha</i>), Hijol (<i>Barringtonia aquatangula</i>), Koroch (<i>Pongamia glabra</i>), Borun (<i>Crataeva nurvula</i>), Khude Jaam (<i>Syzygium fruticosa</i>), Babla (<i>Acacia nilotica</i>), Chalta (<i>Dilleneia indica</i>), Haritaki (<i>Terminalia chevula</i>), Bahera (<i>Terminalia ballirica</i>), Debdaru (<i>Polialthia longifolia</i>), (Jongli), Aamra (<i>Spondias pinnata</i>), Garjan (<i>Dipterocarpus turbinatus</i>).
Turag Bongshi	10	Mola Puti (<i>Puntius guganio</i>), *Goinna (<i>Labeo gonius</i>), Ayer (<i>Mystus aor</i>), Guzi air/Guzkata (<i>Mystus seenghala</i>), *Pabda/Madhu Pabda (<i>Ompok pabda</i>), *Foli (<i>Notopterus notopterus</i>), *Rui (<i>Labeo rohita</i>), *Kalibaush (<i>Labeo calbasu</i>), *Meni/Bheda (<i>Nandus nandus</i>), Gojar (<i>Channa marulius</i>),	7	Sissoo (<i>Dalbargia sissoo</i>), Arjun (<i>Terminalia arjuna</i>), Bakain (<i>Melia azadarach</i>), Chikrashi (<i>Chickrassia tabularis</i>), Katt Badam (<i>Terminalia katappa</i>), Hijol (<i>Barringtonia aquatangula</i>), Haritaki (<i>Terminalia chevula</i>).
Kongshow Malijhee	10	*Meni/Bheda (<i>Nandus nandus</i>), Bajri Tengra (<i>Mystus tengara</i>), *Shar Puti (<i>Puntius sarana</i>), *Chapila (<i>Gudusia chapra</i>), *Shol (<i>Channa striata</i>), *Gojar (<i>Channa marulius</i>), *Goinna (<i>Labeo gonius</i>), *Pabda/Madhu Pabda (<i>Ompok pabda</i>), *Rui (<i>Labeo rohita</i>), *Kalibaush (<i>Labeo calbasu</i>),	22	Sissoo (<i>Dalbargia sissoo</i>), Arjun (<i>Terminalia arjuna</i>), Bakain (<i>Melia azadarach</i>), Chikrashi (<i>Chickrassia tabularis</i>), Katt Badam (<i>Terminalia katappa</i>), Dewa/Borta (<i>Artocarpus lakoocha</i>), Hijol (<i>Barringtonia aquatangula</i>), Koroch (<i>Pongamia glabra</i>), Babla (<i>Acacia nilotica</i>), Chalta (<i>Dilleneia indica</i>), Aamloki (<i>Phyllanthus emblica</i>), Haritaki (<i>Terminalia chevula</i>), Bahera (<i>Terminalia ballirica</i>), Debdaru (<i>Polialthia longifolia</i>), Mahua (<i>Bassia latifolia</i>), Aamra (<i>Spondias pinnata</i>), Bokool (<i>Mimassops elengi</i>), Garjan (<i>Dipterocarpus turbinatus</i>), Telsur (<i>Hopea odorata</i>), Pitraj (<i>Amoora wallichii</i>), (Pobon) Jhau (<i>Casuarina equisetifolia</i>), Agor (<i>Aquillaria agallocha</i>).
Total	28		47	

Note: * Introduced, re-introduced fish species

Table : Fish Species diversity in the Hail Haor by Monitoring Locations and by Year

Monitoring locations	Number of Fish Species observed					
	Baseline	Impact-1	Impact-2	Impact-1 & 2 combined	Impact-3	Impact-1, 2 & 3 combined
Jethua Beel	38	48	47	56	47	59
Gopla River	54	44	49	51	55	60
Boulashir FP	50	51	51	57	50	61
Chirudubi Beel	46	44	52	53	50	56
62- Beel	59	59	61	67	63	71
Rustampur Beel	50	51	50	56	62	68
Balla Beel	39	55	50	60	55	67
Overall	71	71	69	77	76	85

Table : Fish Species diversity in the Turag-Bongshi by Monitoring Locations and by Year

Monitoring Locations	Number of Fish Species observed					
	Baseline	Impact-1	Impact-2	Impact-1 & 2 combined	Impact-3	Impact-1, 2 & 3 combined
Mokash Beel (South)	55	58	51	63	57	69
Mokash Beel (North)	58	56	62	69	52	72
Kaliadaha Beel	59	54	49	59	54	67
Mokash Khal/Solhati Khal	39	46	51	59	50	69
Turag River Section	54	55	58	67	71	79
Aowla Khal (Canal)	50	46	46	58	49	64
Aowla Beel	59	58	59	68	66	75
Bangshi River Section	67	70	67	79	75	86
Overall	82	81	86	89	91	95

Table -: Fish Species diversity in the Kongshaw-Malijhee by Monitoring Locations and by Year

Monitoring Locations	Number of Fish Species observed			
	Baseline	Impact-1	Impact-2	Impact 1 & 2 Combined
Baila Beel	46	43	41	49
Takimari Beel	44	41	39	46
Kewta Beel	39	45	42	56
Nijla Beel	37	48	42	52
Bagadubi Khal (Canal)	46	46	47	56
Bahar Ali Kur (Malijhee River)	32	40	37	45
Aowra Bowra Beel	21	31	25	36
Bailsha Beel	36	41	35	48
Overall	64	67	71	78

Site	Year	Species	Number
	2002	Gonia(<i>Labeo gonius</i>)	14,350
		Ayer(<i>Mystus aor</i>)	2,934
		Kalibaush(<i>Labeo calbasu</i>)	15,213
		Sarputi(<i>Puntius sarana</i>)	3,600
		Total	36,097
	2003	Rui(<i>Labeo rohita</i>)	117,253
		Gonia(<i>Labeo gonius</i>)	59092
		Ayer(<i>Mystus aor</i>)	500
		Total	176,845
		Sub-Total	232,770
		Grand-Total	496951

Re-introduction of species since inception to the end of the project period:

Species	HH	TB	KM	Total
Ayer(<i>Mystus aor</i>)	3,818	-	-	3,818
Gonia(<i>Labeo gonius</i>)	86642	29,383	31,247	147272
Rui(<i>Labeo rohita</i>)	117,253	135,944	28,259	281,456
Sarputi (<i>Puntius sarana</i>)	7,736	80	2,090	9,906
Kalibaush(<i>Labeo calbasu</i>)	17,321	154	17,115	34,590
Chapila(<i>Gudusia chapra</i>)	-	-	150	150
Shol(<i>Channa striata</i>)	-	-	11,250	11,250
Bata(<i>Labeo bata</i>)	-	-	6,534	6,534
Gulsha(<i>Mystus cavasius</i>)	-	-	30	30
Pabda(<i>Ompok pabda</i>)	-	12	137	149
Meni(<i>Nandus nandus</i>)	-	14	372	386
Gojar(<i>Channa marulius</i>)	-	-	1,390	1,390
Foli(<i>Notopterus notopterus</i>)	-	20	-	20
Total	232770	165,607	98,574	496951

Fingerling stocked during 2003 (Jan- Sept 15):

Site	Rui	Gonia	Ayer	Bata	Shol	Shapila	Total
HH	117253	58842	500				176595
KM	27939	7439		6534	70	150	42132
TB	109510	24332					133842
	254702	90613	500	6534	70	150	352569

Management of Aquatic Ecosystem through Community Husbandry (MACH)
Aquatic habitat converted from seasonal to perennial in targeted areas

		Though 2000			Through 2001			Through 2002			Through 2003 (August)			Consolidated statement		
		Area of excavated beel	Area of water body	Influence area	Area re-excavated	Area of water body	Influence area	Area of excavated beel	Area of water body	Influence area	Area of excavated beel	Area of water body	Influence area	Area re-excavated	Area of water body	Influence area
		Ha	Ha	of the scheme	Ha	Ha	of the scheme	Ha	Ha	of the scheme	Ha	Ha	of the scheme	Ha	Ha	of the scheme
Name of scheme		Ha	Ha	Ha	Ha	Ha	Ha	Ha	Ha	Ha	Ha	Ha	Ha	Ha	Ha	Ha
HH Site:																
01	Chiradoba beel		6	320												
02	Sananda beel-I				0.71	3.60	92									
03	Kajura beel				0.20	0.32	200									
04	Agari beel-I				0.61	29.50	396									
05	Balla beel				0.10	29.04	293									
06	Jathua beel				2.01	2.36	278									
07	Agari beel-II							1.88		396						
08	Sananda beel-II							0.52		92						
09	Charadoba beel							0.47	1.42	362						
10	Borogangina							1.82	33.10							
11	Kajura beel/canal															
12	Lalitagangina										1.57	water body of Agari				
13	Uchari										0.41	Do				
	Sub-total area (Ha)	1.25	6	320	3.63	64.82	1259	4.69	34.52	850	1.98	0.00	0	11.55	105.34	2429
KM Site:																
01	Darabasia beel				0.08	1.23	30									
02	Kewta beel				0.79	13.77	87									
03	Bailsha beel							1.62	1.25	0	1.21					
04	Dainnar							0.20	1.62	2						
05	Someswari							0.72	0.86	0						
	Sub-total area (Ha)				0.87	15.00	117	2.54	3.73	2	1.21	0.00	0	4.63	18.73	119
TB Site:																
01	Naler Doha				0.19	4.05	390		4.05	390						

		Though 2000			Through 2001			Through 2002			Through 2003 (August)			Consolidated statement		
		Area of excavated beel	Area of water body	Influence area of the scheme	Area re-excavated	Area of water body	Influence area of the scheme	Area of excavated beel	Area of water body	Influence area of the scheme	Area of excavated beel	Area of water body	Influence area of the scheme	Area re-excavated	Area of water body	Influence area of the scheme
02	Nowkhola Doli beel							2.02	50.20							
03	Folimara-1							0.81	27.53							
04	Daika							0.28	10.12							
05	Dholi bariguni & Bamuner guni							2.02	12.15							
06	Bastoli							0.10	0.4							
07	Dholi bariguni										2.63	2.63				
08	Folimara -2										1.21	1.21				
	Sub-total area (Ha)				0.19	4.05	390	5.24	104.45	390	3.85	3.85		9.28	112.35	780
	Total	1.25	6.00	320.00	4.69	83.87	1766.00	12.47	142.70	1242	7.04	3.85	0.00	25.46	236.42	3328.00

Appendix-5

List of Wetland Sanctuaries

MACH Project
Wetland Sanctuaries at Hail Haor Site

Name of the water-body and Name of Sanctuary	Since inception as on Aug. '2003		Name of Union	Managed by RMO
	No.	Area (acre)		
Sananda Beel				
Sananda Sanctuary-1	1	0.14	Mirzapur	Sananda RMO
Sananda Sanctuary-2	1	0.14	do	do
Sananda Sanctuary-3	1	0.14	do	do
Sub-total	3	0.42		
Balla Beel				
Balla Sanctuary-1	1	1.61	Bhunobir	Balla RMO
Balla Sanctuary-2	1	1.15	do	do
Balla Sanctuary-3*	1	1.61	do	do
Balla Sanctuary-4*	1	0.69	do	do
Sub-total	4	5.06		
Jethua Beel				
Jethua Sanctuary-1	1	0.52	Kalapur	Jethua RMO
Jehua Sanctuary-2*	1	0.52	do	do
Sub-total	2	1.04		
Kajura Beel				
Kajura Sanctuary-1	1	0.33	Giasnagar	Kajura RMO
Sub-total	1	0.33		
Agari Beel				
Agari Sanctuary-1	1	0.80	Nazirabad	Aagari RMO
Agari Sanctuary-2	1	0.69	do	do
Agari Sanctuary-3	1	0.34	do	do
Agari Sanctuary-4	1	0.41	do	do
Agari Sanctuary-5	1	0.40	do	do
Sub-total	5	2.64		
Borogangina Canal				
Borogangina Sanctuary-1	1	0.59	Kalapur	Boragangina RMO
Borogangina Sanctuary-2	1	0.30	do	do
Borogangina Sanctuary-3	1	0.30	do	do
Borogangina Sanctuary-4	1	0.46	do	do
Chapra Magura (central sanctuary)	1	21.88	do	do
Sub-total	5	23.53		
Dumaria Beel				
Chharadoba Sanctuary-1	1	0.08	Bhunobir	Dumaria Beel
Chharadoba Sanctuary-2	1	0.07	do	do
Patharia beel Sanctuary-1*	1	0.92	do	do
Cheruabadaly Sanctuary-1*	1	1.47	do	do
Cheruabadaly Sanctuary-2*	1	2.11	do	do
Gopla river Sanctuary-1*	1	1.98	do	do
Sub-total	6	6.63		
Total	26	39.65		
Planned				
Medi beel	1	1.00	Nazirabad	Ramai RMO (Under process)
Khaya Beel	1	0.75	do	do
Jaduria Beel (Permanent Sanctuary)	1	100.50	Kalapur	Boragangina RMO

* Not in function, those were maintained for three years

MACH Project
Wetland Sanctuaries at Turag-Bangshi Site

Name of the water-body and Name of Sanctuary	Since inception as on Aug.'2003		Name of Union	Managed by RMO
	No.	Area (acre)		
Mokosh Beel				
Naler Daha Sanctuary	1	0.50	Mouchak	Mokosh RMO
Moisher Daha Sanctuary	1	0.50	do	do
Burir Daha Sanctuary	1	0.50	do	do
Moulovir Ghuni Sanctuary	1	0.40	do	do
Masterer Ghuni Sanctuary	1	0.40	do	do
Nepaler Ghuni Sanctuary	1	0.50	do	do
Nawkhola Sanctuary	1	1.00	do	do
Dholi Daha Sanctuary	1	1.24	do	do
Kalia Daha Sanctuary	1	0.20	do	do
Sub-total	9	5.24		
Turag River				
Golachipa Kum Sanctuary	1	1.50	Maddya Para	Turag River RMO
Lalkhar KumSanctuary	1	1.80	Chapair	do
Gabtoli Sayedpur Kum Sanctuary	1	2.50	do	do
Sub-total	3	5.80		
Alua Beel				
Bamoner Ghuni Sanctuary	1	2.20	Chapair	Alua RMO
Bhangi Danga Daha Sanctuary	1	1.80	do	do
Doika Daha Sanctuary	1	1.00	do	do
Folimara Daha Sanctuary	1	1.50	do	do
Boro Daha Sanctuary	1	4.44	do	do
Dilarhari Daha Sanctuary	1	1.00	do	do
Gurerhari Daha Sanctuary	1	1.00	do	do
Sub-total	7	12.94		
Total	19	23.98		
Planned				
Goallar River	2	2.00	Fulbaria	New RMO

MACH Project
Wetland Sanctuaries at Kongshaw-Malijhee Site

Name of the water-body and Name of Sanctuary	Since inception as on Aug.'2003		Name of Union	Managed by RMO
	No.	Area (acre)		
Kewta Beel				
Kewta Sanctuary -1	1	0.46	Pakuria	Kewta RMO
Kewta Sanctuary -2	1	0.16	do	do
Kewta Sanctuary -3	1	0.18	do	do
Kewta Sanctuary -4	1	0.12	do	do
Sub-total	4	0.92		
Takimari-Dharabashia Beel				
Dharabashia Sanctuary -1	1	0.21	Malijhikanda	T-D RMO
Kathakhali Khal Sanctuary -1	1	0.89	do	do
Kathakhali Khal Sanctuary -2	1	0.77	do	do
Kathakhali Khal Sanctuary -3	1	0.67	do	do
Kathakhali Khal Sanctuary -4	1	0.94	do	do
Malijhee River (Dainnar Kur) Sanctuary -1	1	0.80	do	do
Sub-total	6	4.28		
Dholi- Baila Beel				
Dholi- Baila Sanctuary -1	1	0.50	Jhinaigati	Dholi- Baila RMO
Dholi- Baila Sanctuary -2	1	0.50	do	do
Dholi- Baila Sanctuary -3	1	0.50	do	do
Dholi- Baila Sanctuary -4	1	0.50	do	do
Dholi- Baila Sanctuary -5	1	0.50	do	do
Dholi- Baila Sanctuary -6	1	0.50	do	do
Tanachura/Shomeshwari river San.- 1	1	0.59	do	do
Tanachura / Shomeshwari river San.-2	1	0.39	do	do
Tanachura / Shomeshwari river San.-3	1	0.93	do	do
Sub-total	9	4.91		
Bailsha Beel				
Bailsha Sanctuary -1	1	1.00	Dhanshail	Bailsha RMO
Bailsha Sanctuary -2	1	1.00	do	do
Sub-total	2	2.00		
Total	21	12.11		
Planned				
Gaimara Kur	1	3.00(Appx.)	Kalarpar	Gaimara Kur committee
Kaitari Beel	1	3.00(Appx.)	Pakuria	Kewta RMO
Dholi Beel	1	3.00(Appx.)	Jhinaigati	Dholi- Baila RMO
Grand Total (Existing):	66	75.74		
Grand Total (Planned):	8	113.25(Appx)		

Appendix-6

**Wetland Resource Management Organization
(RMO)**

MACH Project
Wetland Resource Management Organizations (RMOs) in Three Sites
Report as on August 31, 2003

Site	Beel RMO	Stream RMO	Daha/Kum RMO
Hail Haor	Sanada RMO	Alia Chhara RMO	-
	Jethua RMO	Boula Chhara RMO	-
	Balla RMO	Jaag Chhara RMO	-
	Dumuria RMO	Joita Chhara (Lower) RMO	-
	Agari RMO	Joita Chhara (Middle) RMO	-
	Kajura RMO	Ful Chhara Committee	-
	Borogangina RMO		-
Total	8 nos.	6 nos.	-
Turag-Bangshi	Mokosh RMO	-	Naler Daha Committee
	Turag River RMO	-	Moisher Daha Committee
	Alua RMO	-	Burir Daha Committee
	Goallar River RMO (Under process)	-	Nawkhola + Dholi Daha Committee
	-	-	Bastoli Daha Committee
	-	-	Golachipa Kum Committee
	-	-	Lalkhar Kum Committee
	-	-	Gabtoli Sayedpur Kum Committee
	-	-	Bamoner Ghuni Committee
	-	-	Bhangi Danga Daha Committee
	-	-	Doika Daha Committee
	-	-	Boro Daha Committee
	-	-	Folimara Daha Committee
	-	-	Dilarhari Daha Committee
	-	-	Gurerhari Daha Committee
Total	4 nos.	-	15 nos.
Kangsha-Malijhee	Kewta RMO	Kalaghosa-1 JRMO	Bahar Ali Kur Committee (Malijhee River)
	Takimari-Dharabashia RMO	Kalaghosa-2 JRMO	Gaimara Kur Committee (Under process)
	Dholi-Baila RMO	Nakshi-Mala JRMO	-
	Bailsha RMO	-	-
Total	4 Nos.	3 Nos.	2 Nos.
G. Total	16 Nos.	9 Nos.	17 Nos.

**MACH-CNRS
RMO Profile**

Items:	UP: Mirzapur Upazila: Sreemongal Project Site: Hail Haor		Dist.: Moulavibazar Beel Complex: Sananda
Name of RMO	Sananda Resource Management Organization		
No. of Village covered:	4 nos.		
Total Population:	6,080 nos.		
RMO functional	Yes		
RMP in place	Yes		
Best management practice in place	Yes		
Name of Resource base	Sananda beel & associated floodplain		
Date of Registration	19-12-2000		
No. of RMO member			
- GB	72(Female 2)		
- RUG	42		
- EC	13		
Area of Water body (Khas):	8.89 acre		
Command Area (Resource):	1190 ha		
Beel area re-excavated (ha)	1.86		
Khal/River area re-excavated (meter)	-		
No. of Sanctuaries established	Where	Area	
	Sananda- 3 nos.	0.42 acre	
Resource Management Plan	Plan prepared for five years		
Capacity building training			
- Financial management	Basic training imparted		
- NRM	Training on going as per schedule		
- Organizational management	Training on going as per schedule		
Re-introduction fish species	No. of Species	No. of fish Released	
	5	44,554	
CPUA (kg/ha) at impact3	107.30		
Bio-diversity at impact3	56 nos.		
No. of Meetings	Executive Committee	General Body	
	40	8	
Management interventions			
- Area closure (Fishing restriction)	0.42 acre		
- Time closure	3 months March-May (Total beel area)		
- Restriction on destructive fishing	Current jal, De-watering, Fish spawn, brood fish		
Area under improved management	1095.12 ha		

Note:

Area under improved management where: Community sensitized and motivated, Sanctuary established, RMO established, RMP in place and sustainable management practice in place.

Best management practice: Time closure, Area closure, Refrain from destructive harvest methods (De-watering, Fine mesh drag nets)

RMO functional: Formed registered, RMP developed, and Management practice in place, on job training going on, Formal training initiated.

Increased fish yield and biodiversity: changes from the baseline due project interventions.

**MACH-CNRS
RMO Profile**

Items:	Upazila: Sreemongal Project Site: Hail Haor	UP: Kalapur Dist.: Moulavibazar Beel Complex: Jethua
Name of RMO	Jethua Resource Management Organization	
No. of Village covered:	6 nos.	
Total Population:	5,917 nos.	
RMO functional	Yes	
RMP in place	Yes	
Best management practice in place	Yes	
Name of Resource base:	Jethua beel and associated floodplain	
Date of Registration	01-01-2001	
No. of RMO member		
- GB	42 (Female 4)	
- RUG	25	
- EC	15	
Area of Water body (Khas):	624.65 acre	
Command Area (Resource):	1445 ha	
Beel area re-excavated (ha)	3.10	
Khal/River area re-excavated (meter)	-	
No. of Sanctuaries established	Where	Area
	Jethua - 2 nos.	1.04 acre
Resource Management Plan	Plan prepared for five years	
Capacity building training		
- Financial management	Basic training imparted	
- NRM	Training on going as per schedule	
- Organizational management	Training on going as per schedule	
Re-introduction fish species	No. of Species	No. of fish Released
	5	23,940
CPUA (kg/ha) at impact3	154.91	
Bio-diversity at impact3	47 nos.	
No. of Meetings	Executive Committee	General Body
	40	8
Management interventions		
- Area closure (Fishing restriction)	1.04 acre	
- Time closure	3 Months during March-May (Total beel area)	
- Restriction on destructive fishing	Current jal, De-watering, Fish spawn, brood fish	
Area under improved management	1345.53 ha	

Note:

Area under improved management where: Community sensitized and motivated, Sanctuary established, RMO established, RMP in place and sustainable management practice in place.

Best management practice: Time closure, Area closure, Refrain from destructive harvest methods (De-watering, Fine mesh drag nets)

RMO functional: Formed registered, RMP developed, and Management practice in place, on job training going on, Formal training initiated.

Increased fish yield and biodiversity: changes from the baseline due project interventions.

**MACH-CNRS
RMO Profile**

Items:	UP: Bhunabir Dist.: Moulavibazar Beel Complex: Balla Beel	
	Upazila: Sreemongal Project Site: Hail Haor	
Name of RMO	Balla Resource Management Organization	
No. of Village covered:	3 nos.	
Total Population:	6,603 nos.	
RMO functional	Yes	
RMP in place	Yes	
Best management practice in place	Yes	
Name of Resource base:	Balla beel and associated khal, river and floodplains	
Date of Registration	15-05-2001	
No. of RMO member		
- GB	51(Female 5)	
- RUG	31	
- EC	13	
Area of Water body (Khas):	105.98 acre	
Command Area (Resource):	613 ha	
Beel area re-excavated (ha)	0.10	
Khal/River area re-excavated (meter)	-	
No. of Sanctuaries established	Where	Area
	Balla beel – 4 nos.	5.06 acre
Resource Management Plan	Plan prepared for five years	
Capacity building training		
- Financial management	Basic training imparted	
- NRM	Training on going as per schedule	
- Organizational management	Training on going as per schedule	
Re-introduction fish species	No. of Species	No. of fish Released
	4	35,458
CPUA (kg/ha) at impact ³	151.76	
Bio-diversity at impact ³	55 nos.	
No. of Meetings	Executive Committee	General Body
	38	7
Management interventions		
- Area closure (Fishing restriction)	5.06 acre	
- Time closure	3 Months during March-May (Total beel area)	
- Restriction on destructive fishing	Current jal, De-watering, fish spawn, brood fish	
Area under improved management	508.42	

Note:

Area under improved management where: Community sensitized and motivated, Sanctuary established, RMO established, RMP in place and sustainable management practice in place.

Best management practice: Time closure, Area closure, Refrain from destructive harvest methods (De-watering, Fine mesh drag nets)

RMO functional: Formed registered, RMP developed, and Management practice in place, on job training going on, Formal training initiated.

Increased fish yield and biodiversity: changes from the baseline due project interventions.

**MACH-CNRS
RMO Profile**

Items:	UP: Giasnagar Dist.: Moulavibazar Beel Complex: Kazura	
	Upazila: Moulavibazar Project Site: Hail Haor	
Name of RMO	Kazura Resource Management Organization	
No. of Village covered:	2 nos.	
Total Population:	2,997 nos.	
RMO functional	Yes	
RMP in place	Yes	
Best management practice in place	Yes	
Name of Resource base:	Kazura beel and khal, river and associated floodplains	
Date of Registration	06-09-2001	
No. of RMO member		
- GB	40(Female 9)	
- RUG	26	
- EC	11	
Area of Water body (Khas):	0.40 acre	
Command Area (Resource):	1088ha	
Beel area re-excavated (ha)	0.20	
Khal/River area re-excavated (meter)	100	
No. of Sanctuaries established	Where	Area
	Kazura Beel – 1 no.	0.33 acre
Resource Management Plan	Plan prepared for five years	
Capacity building training		
- Financial management	Basic training imparted	
- NRM	Training on going as per schedule	
- Organizational management	Training on going as per schedule	
Re-introduction fish species	No. of Species	No. of fish Released
	4	7,220
CPUA (kg/ha) at impact ³	33.14	
Bio-diversity at impact ³	36 nos.	
No. of Meetings	Executive Committee	General Body
	36	5
Management interventions		
- Area closure (Fishing restriction)	0.33 acre	
- Time closure	3 Months during March-May (Total beel area)	
- Restriction on destructive fishing	Current jal, De-watering, fish spawn, brood fish	
Area under improved management	993.67 ha	

Note:

Area under improved management where: Community sensitized and motivated, Sanctuary established, RMO established, RMP in place and sustainable management practice in place.

Best management practice: Time closure, Area closure, Refrain from destructive harvest methods (De-watering, Fine mesh drag nets)

RMO functional: Formed registered, RMP developed, and Management practice in place, on job training going on, Formal training initiated.

Increased fish yield and biodiversity: changes from the baseline due project interventions.

**MACH-CNRS
RMO Profile**

Items:	UP: Najirabad Dist.: Moulavibazar Beel Complex: Agari Beel Comp.	
	Upazila: Moulavibazar Sadar Project Site: Hail Haor	
Name of RMO	Agari Resource Management Organization	
No. of Village covered:	3 nos.	
Total Population:	3,304 nos.	
RMO functional	Yes	
RMP in place	Yes	
Best management practice in place	Yes	
Name of Resource base:	Agari beel and associated floodplains	
Date of Registration	04.09.2001	
No. of RMO member		
- GB	50(Female 9)	
- RUG	30	
- EC	15	
Area of Water body (Khas):	72.86 acre	
Command Area (Resource):	816 ha	
Beel area re-excavated (ha)	2.49	
Khal/River area re-excavated (meter)	-	
No. of Sanctuaries established	Where	Area
	Agari beel – 5 nos.	2.64 acre
Resource Management Plan	Plan prepared for five years	
Capacity building training		
- Financial management	Basic training imparted	
- NRM	Training on going as per schedule	
- Organizational management	Training on going as per schedule	
Re-introduction fish species	No. of Species	No. of fish Released
	4	7,221
CPUA (kg/ha) at impact ³	310.47	
Bio-diversity at impact ³	37 nos.	
No. of Meetings	Executive Committee	General Body
	36	5
Management interventions		
- Area closure (Fishing restriction)	2.64 acre	
- Time closure	3 Months during March-May (Total beel area)	
- Restriction on destructive fishing	Current jal, De-watering, fish spawn, brood fish	
Area under improved management	711.81	

Note:

Area under improved management where: Community sensitized and motivated, Sanctuary established, RMO established, RMP in place and sustainable management practice in place.

Best management practice: Time closure, Area closure, Refrain from destructive harvest methods (De-watering, Fine mesh drag nets)

RMO functional: Formed registered, RMP developed, and Management practice in place, on job training going on, Formal training initiated.

Increased fish yield and biodiversity: changes from the baseline due project interventions.

**MACH-CNRS
RMO Profile**

Items:	UP: Bhunabir Dist.: Moulavibazar Beel Complex: Dumuria	
	Upazila: Sreemongal Project Site: Hail Haor	
Name of RMO	Dumuria Resource Management Organization	
No. of Village covered:	3 nos.	
Total Population:	6,176 nos.	
RMO functional	Yes	
RMP in place	Yes	
Best management practice in place	-	
Name of Resource base:	Dumuria beel, Dhaliduba khal, River and associated floodplains	
Date of Registration	Formed on 12-12-2000	
No. of RMO member		
- GB	51(Female 3)	
- RUG	32	
- EC	15	
Area of Water body (Khas):	-	
Command Area (Resource):	880 ha	
Beel area re-excavated (ha)	1.98	
Khal/River area re-excavated (meter)	468	
No. of Sanctuaries established	Where	Area
	Dumaria – 6 nos.	6.63 acre
Resource Management Plan	Plan prepared for five years	
Capacity building training		
- Financial management	Basic training imparted	
- NRM	Training on going as per schedule	
- Organizational management	Training on going as per schedule	
Re-introduction fish species	No. of Species	No. of fish Released
	2	56,560
CPUA (kg/ha) at impact ³	-	
Bio-diversity at impact ³	-	
No. of Meetings	Executive Committee	General Body
	38	7
Management interventions		
- Area closure (Fishing restriction)	4.65 acre	
- Time closure	3 Months during March-May (Total beel area)	
- Restriction on destructive fishing	Current jal, De-watering, fish spawn, brood fish	
Area under improved management	770.68	

Note:

Area under improved management where: Community sensitized and motivated, Sanctuary established, RMO established, RMP in place and sustainable management practice in place.

Best management practice: Time closure, Area closure, Refrain from destructive harvest methods (De-watering, Fine mesh drag nets)

RMO functional: Formed registered, RMP developed, and Management practice in place, on job training going on, Formal training initiated.

Increased fish yield and bio-diversity: changes from the baseline due project interventions.

**MACH-CNRS
RMO Profile**

Items:	UP: Kalapur Dist.: Moulavibazar Beel Complex: Bargangina Beel	
	Upazila: Sreemongal Project Site: Hail Haor	
Name of RMO	Bargangina Resource Management Organization	
No. of Village covered:	3 nos.	
Total Population:	5,715 nos.	
RMO functional	Yes	
RMP in place	Yes	
Best management practice in place	-	
Name of Resource base:	Bargangina beel and associated floodplains	
Date of Registration	-	
No. of RMO member		
- GB	51(Female 4)	
- RUG	36	
- EC	13	
Area of Water body (Khas):	146.17 acre	
Command Area (Resource):	2125 ha	
Beel area re-excavated (ha)	1.82	
Khal/River area re-excavated (meter)	4428	
No. of Sanctuaries established	Where	Area
	Bogagangina-5 nos.	23.53 acre
Resource Management Plan	Plan prepared for five years	
Capacity building training		
- Financial management	Basic training imparted	
- NRM	Training on going as per schedule	
- Organizational management	Training on going as per schedule	
Re-introduction fish species	No. of Species	No. of fish Released
	2	57,817
CPUA (kg/ha) at impact3	-	
Bio-diversity at impact3	-	
No. of Meetings	Executive Committee	General Body
	26	3
Management interventions		
- Area closure (Fishing restriction)	23.53 acre	
- Time closure	3 Months during March-May (Total beel area)	
- Restriction on destructive fishing	Current jal, De-watering, fish spawn, brood fish	
Area under improved management	2020.13 ha	

Note:

Area under improved management where: Community sensitized and motivated, Sanctuary established, RMO established, RMP in place and sustainable management practice in place.

Best management practice: Time closure, Area closure, Refrain from destructive harvest methods (De-watering, Fine mesh drag nets)

RMO functional: Formed registered, RMP developed, and Management practice in place, on job training going on, Formal training initiated.

Increased fish yield and bio-diversity: changes from the baseline due project interventions.

**MACH-CNRS
RMO Profile**

Items:	UP:Mouchak, Madyapara Dist.: Gazipur Project Site: Turag-Bongshi Beel Complex: Mokesh-Kaliadoha	
Name of RMO	Mokesh Resource Management Organization	
No. of Village covered:	16 nos.	
Total Population:	18,096 nos.	
RMO functional	Yes	
RMP in place	Yes	
Best management practice in place	Yes	
Name of Resource base:	Mokesh beel, Kaliadaha Kamlai beel and associated floodplains	
Date of Registration	05.03.2002	
No. of RMO member		
- GB	123(Female 29)	
- RUG	76	
- EC	19	
Area of Water body (Khas):	46.2 acre	
Command Area (Resource):	1780 ha	
Beel area re-excavated (ha)	5.43	
Khal/River area re-excavated (meter)	500	
No. of Sanctuaries established	Where	Area
	Mokesh – 9 nos.	5.24 acre
Resource Management Plan	Plan prepared for five years	
Capacity building training		
- Financial management	Basic training imparted	
- NRM	Training on going as per schedule	
- Organizational management	Training on going as per schedule	
Re-introduction fish species	No. of Species	No. of fish Released
	6	91,519*
CPUA (kg/ha) at impact3	140.81	
Bio-diversity at impact3	57 nos.	
No. of Meetings	Executive Committee	General Body
	23	10
Management interventions		
- Area closure (Fishing restriction)	5.24 acre	
- Time closure	3 months during March-May (Total beel area)	
- Restriction on destructive fishing	Current jal, De-watering, Brood-fish, Fish fry	
Area under improved management	1675 ha	

Note:

Area under improved management where: Community sensitized and motivated, Sanctuary established, RMO established, RMP in place and sustainable management practice in place.

Best management practice: Time closure, Area closure, Refrain from destructive harvest methods (De-watering, Fine mesh drag nets etc.)

RMO functional: Formed registered, RMP developed, and Management practice in place, on job training going on, Formal training initiated.

Increased fish yield and bio-diversity: changes from the baseline due project interventions.

* 5 species Brood fish being introduced in year 2001 (Kalibaush, Pabda, Deshi Sarputi, Foli, Meni)

**MACH-CNRS
RMO Profile**

Items:	UP: Chapair, Madyapara, Srefaltali, Boali, Mouchak Upazila: Kaliakoir Dist.: Gazipur Project Site: Turag-Bongshi Beel Complex: Turag River and Associate floodplain	
Name of RMO	Turag Resource Management Organization	
No. of Village covered:	17 nos.	
Total Population:	13,135 nos.	
RMO functional	Yes	
RMP in place	Yes	
Best management practice in place	Yes	
Name of Resource base:	Turag River and associated floodplains	
Date of Registration	10-06-2002	
No. of RMO member		
- GB	105(Female 22)	
- RUG	63	
- EC	19	
Area of Water body (Khas):	-	
Command Area (Resource):	205 ha	
Beel area re-excavated (ha)	-	
Khal/River area re-excavated (meter)	-	
No. of Sanctuaries established	Where	Area
	Turag River – 3 nos.	5.80 acre
Resource Management Plan	Plan prepared for five years	
Capacity building training		
- Financial management	Basic training imparted	
- NRM	Training on going as per schedule	
- Organizational management	Training on going as per schedule	
Re-introduction fish species	No. of Species	No. of fish Released
	5	68*
CPUA (kg/ha) at impact3	272.67	
Bio-diversity at impact3	75 nos.	
No. of Meetings	Executive Committee	General Body
	17	5
Management interventions		
- Area closure (Fishing restriction)	5.80 acre	
- Time closure	3 months during March-May (Total river area)	
- Restriction on destructive fishing	Current Jal, De-watering, Brood-fish, Fish fry	
Area under improved management	155 ha	

Note:

Area under improved management where: Community sensitized and motivated, Sanctuary established, RMO established, RMP in place and sustainable management practice in place.

Best management practice: Time closure, Area closure, Refrain from destructive harvest methods (De-watering, Fine mesh drag nets etc.)

RMO functional: Formed registered, RMP developed, and Management practice in place, on job training going on, Formal training initiated.

Increased fish yield and bio-diversity: changes from the baseline due project interventions.

* 5 species Brood fish being introduced in year 2001 (Kalibaush, Pabda, Deshi Sarputi, Foli, Meni)

**MACH-CNRS
RMO Profile**

Items:	UP: Chapair, Azgana Dist.: Gazipur, Tangail Beel Complex: Alua Beel	
	Upazila: Kaliakoir, Mirzapur Project Site: Turag-Bongshi	
Name of RMO	Alua Resource Management Organization	
No. of Village covered:	6 nos.	
Total Population:	13,342 nos.	
RMO functional	Yes	
RMP in place	Yes	
Best management practice in place	Yes	
Name of Resource base:	Alua Beel and associated floodplains	
Date of Registration	11-06-2002	
No. of RMO member		
- GB	165(Female 18)	
- RUG	99	
- EC	19	
Area of Water body (Khas):	10.07 acre	
Command Area (Resource):	2555 ha	
Beel area re-excavated (ha)	3.84	
Khal/River area re-excavated (meter)	-	
No. of Sanctuaries established	Where	Area
	Alua-7 nos.	12.94 acre
Resource Management Plan	Plan prepared for five years	
Capacity building training		
- Financial management	Basic training imparted	
- NRM	Training on going as per schedule	
- Organizational management	Training on going as per schedule	
Re-introduction fish species	No. of Species	No. of fish Released
	3	74,020
CPUA (kg/ha) at impact ³	76.12	
Bio-diversity at impact ³	66 nos.	
No. of Meetings	Executive Committee	General Body
	17	5
Management interventions		
- Area closure (Fishing restriction)	12.94 acre	
- Time closure	3 months March-May (Total beel area)	
- Restriction on destructive fishing	Current jal, Dewatering, Brood-fish, Fish fry	
Area under improved management	2450 ha	

Note:

Area under improved management where: Community sensitized and motivated, Sanctuary established, RMO established, RMP in place and sustainable management practice in place.

Best management practice: Time closure, Area closure, Refrain from destructive harvest methods (De-watering, Fine mesh drag nets)

RMO functional: Formed registered, RMP developed, and Management practice in place, on job training going on, Formal training initiated.

Increased fish yield and bio-diversity: changes from the baseline due project interventions.

**MACH-CNRS
RMO Profile**

Items:	Upazila: Sherpur Project Site: Kongshaw-Malijhee	UP: Pakuria, Dala Dist.: Sherpur Beel Complex: Kewta Beel Complex
Name of RMO	Kewta Resource Management Organization	
No. of Village covered:	7 nos.	
Total Population:	14,520 nos.	
RMO functional	Yes	
RMP in place	Yes	
Best management practice in place	Yes	
Name of Resource base:	Kewta beel	
Date of Registration	08.12.2001	
No. of RMO member		
- GB	147(Female 3)	
- RUG	89	
- EC	15	
Area of Water body (Khas):	99.20 acre	
Command Area (Resource):	1325 ha	
Beel area re-excavated (ha)	0.79	
Khal/River area re-excavated (meter)	-	
No. of Sanctuaries established	Where	Area
	Kewta – 4 nos.	0.92 acre
Resource Management Plan	Plan prepared for five years	
Capacity building training		
- Financial management	Basic training imparted	
- NRM	Training on going as per schedule	
- Organizational management	Training on going as per schedule	
Re-introduction fish species	No. of Species	No. of fish Released
	10	28,004
CPUA (kg/ha) at impact2	369.66	
Bio-diversity at impact2	42 nos.	
No. of Meetings	Executive Committee	General Body
	30	10
Management interventions		
- Area closure (Fishing restriction)	0.92 acre	
- Time closure	3 months during March-May (Total beel area)	
- Restriction on destructive fishing	Kheta jal, Dewatering, Baby fish and broodfish	
Area under improved management	1220 ha	

Note:

Area under improved management where: Community sensitized and motivated, Sanctuary established, RMO established, RMP in place and sustainable management practice in place.

Best management practice: Time closure, Area closure, Refrain from destructive harvest methods (De-watering, Fine mesh drag nets)

RMO functional: Formed registered, RMP developed, and Management practice in place, on job training going on, Formal training initiated.

Increased fish yield and bio-diversity: changes from the baseline due project interventions.

**MACH-CNRS
RMO Profile**

Items:	Upazila: Sherpur Project Site: Kongshaw-Malijhee	UP: Malijheekanda Dist.: Sherpur Beel Complex: Takimari-Darabashia Beel Complex and associated floodplains.
Name of RMO	Takimari Darabashia Resource Management Organization	
No. of Village covered:	5 nos.	
Total Population:	14,250 nos.	
RMO functional	Yes	
RMP in place	Yes	
Best management practice in place	Yes	
Name of Resource base:	Takimari-Darabashia Beel Complex and associated floodplains	
Date of Registration	11.03.2002	
No. of RMO member		
- GB	97(Female 6)	
- RUG	59	
- EC	21	
Area of Water body (Khas):	-	
Command Area (Resource):	1745 ha	
Beel area re-excavated (ha)	1.90	
Khal/River area re-excavated (meter)	2606	
No. of Sanctuaries established	Where	Area
	Takimari-Darabashia- 6 nos.	4.28 acre
Resource Management Plan	Plan prepared for five years	
Capacity building training		
- Financial management	Basic training imparted	
- NRM	Training on going as per schedule	
- Organizational management	Training on going as per schedule	
Re-introduction fish species	No. of Species	No. of fish Released
	9	41,593
CPUA (kg/ha) at impact2	422.37	
Bio-diversity at impact2	39 nos.	
No. of Meetings	Executive Committee	General Body
	26	7
Management interventions		
- Area closure (Fishing restriction)	4.28 acre	
- Time closure	3 Months during March-May (Total area)	
- Restriction on destructive fishing	Current Jal, Kheta jal, Dewatering, Baby fish, Broodfish	
Area under improved management	1640 ha	

Note:

Area under improved management where: Community sensitized and motivated, Sanctuary established, RMO established, RMP in place and sustainable management practice in place.

Best management practice: Time closure, Area closure, Refrain from destructive harvest methods (De-watering, Fine mesh drag nets)

RMO functional: Formed registered, RMP developed, and Management practice in place, on job training going on, Formal training initiated.

Increased fish yield and bio-diversity: changes from the baseline due project interventions.

**MACH-CNRS
RMO Profile**

Items:	UP:Hatibandha, Jhinaigati Upazila: Sherpur Project Site: Kongshaw-Malijhee		Dist.: Sherpur Beel Complex: Dholi-Balia Beel Complex
Name of RMO	Dholi-Balia Resource Management Organization		
No. of Village covered:	5 nos.		
Total Population:	9,878 nos.		
RMO functional	Yes		
RMP in place	Yes		
Best management practice in place	Yes		
Name of Resource base:	Dholi-Balia Beel Complex and associated floodplains		
Date of Registration	20.03.2002		
No. of RMO member			
- GB	95(Female 5)		
- RUG	56		
- EC	19		
Area of Water body (Khas):	54 acre		
Command Area (Resource):	665 ha		
Beel area re-excavated (ha)	0.72		
Khal/River area re-excavated (meter)	1391		
No. of Sanctuaries established	Where	Area	
	Dholi-Balia – 9 nos.	4.91 acre	
Resource Management Plan	Plan prepared for five years		
Capacity building training			
- Financial management	Basic training imparted		
- NRM	Training on going as per schedule		
- Organizational management	Training on going as per schedule		
Re-introduction fish species	No. of Species	No. of fish Released	
	9	14,423	
CPUA (kg/ha) at impact-2	333.71		
Bio-diversity at impact2	41 nos.		
No. of Meetings	Executive Committee	General Body	
	22	5	
Management interventions			
- Area closure (Fishing restriction)	4.91 acre		
- Time closure	3 Months during March-May (Total beel area)		
- Restriction on destructive fishing	Current jal, Dewatering, Baby fish, Broodfish		
Area under improved management	570 ha		

Note:

Area under improved management where: Community sensitized and motivated, Sanctuary established, RMO established, RMP in place and sustainable management practice in place.

Best management practice: Time closure, Area closure, Refrain from destructive harvest methods (De-watering, Fine mesh drag nets)

RMO functional: Formed registered, RMP developed, and Management practice in place, on job training going on, Formal training initiated.

Increased fish yield and bio-diversity: changes from the baseline due project interventions.

**MACH-CNRS
RMO Profile**

Items:	UP: Kongsha, Dhanshail Upazila: Sherpur Project Site: Kongshaw-Malijhee		Dist.: Sherpur Beel Complex: Bailsha Beel Complex
Name of RMO	Bailsha Resource Management Organization		
No. of Village covered:	3 nos.		
Total Population:	6,499 nos.		
RMO functional	Yes		
RMP in place	Yes		
Best management practice in place	Yes		
Name of Resource base:	Bailsha Beel Complex and associated floodplain		
Date of Registration	20.03.2002		
No. of RMO member			
- GB	87(Female 7)		
- RUG	51		
- EC	17		
Area of Water body (Khas):	7.04 acre		
Command Area (Resource):	735 ha		
Beel area re-excavated (ha)	2.83		
Khal/River area re-excavated (meter)	-		
No. of Sanctuaries established	Where	Area	
	Bailsha Beel – 2 nos.	2.00 acre	
Resource Management Plan	Plan prepared for five years		
Capacity building training			
- Financial management	Basic training imparted		
- NRM	Training on going as per schedule		
- Organizational management	Training on going as per schedule		
Re-introduction fish species	No. of Species	No. of fish Released	
	8	12704	
CPUA (kg/ha) at impact2	386.13		
Bio-diversity at impact2	35 nos.		
No. of Meetings	Executive Committee	General Body	
	22	5	
Management interventions			
- Area closure (Fishing restriction)	2.00 acre		
- Time closure	3 months during March-May (Total beel area)		
- Restriction on destructive fishing	Kheta-jal, Dewatering, Baby fish and brood fish		
Area under improved management	630 ha		

Note:

Area under improved management where: Community sensitized and motivated, Sanctuary established, RMO established, RMP in place and sustainable management practice in place.

Best management practice: Time closure, Area closure, Refrain from destructive harvest methods (De-watering, Fine mesh drag nets)

RMO functional: Formed registered, RMP developed, and Management practice in place, on job training going on, Formal training initiated.

Increased fish yield and bio-diversity: changes from the baseline due project interventions.

Appendix-7

Resource User Groups (RUG)

**List of Resource User Groups
Hail Haor Site**

Appendix-7

SI	Name of RUG	Village	Union	RUG members
1	Sapla Mohila Samity	Boruna	Kalapur	24
2	Masranga Mohila Samity	Hajipur	Kalapur	19
3	Golapful Mohila Samity	Hajipur	Kalapur	26
4	Fulkuri Mohila Samity	Lalbag	Sreemongal	18
5	Hail Hoar Mohila Samity	Rupnagar	Kalapur	26
6	Anandita Mohila Samity	Ranovim	Gyasnagar	16
7	Natun Kuri Mohila Samity	Lalbag	Sreemongal	19
8	Asha Mohila Sality	Kaliargao	Gyasnagar	22
9	Meghna Mohila Samity	Anikalibuda	Gyasnagar	16
10	Jamuna Mohila Samity	Anikaliboro	Gyasnagar	20
11	Jhenuk Mohila Samity	Uttar-Uttarsur	Sreemongal	30
12	Nil Paddo Mohila Samity	Uttar-Uttarsur	Sreemongal	24
13	Rupchanda Mohila Samity	Hajipur	Kalapur	22
14	Purnima Mohila Samity	Ghorachao	Nazirabad	21
15	Purbachal Mohila Samity	Amanatpur	Ashidran	21
16	Golap Mohila Samity	Undarpar	Ashidran	25
17	Simanto Mohila Samity	Motigang	Ashidran	26
18	Lal Shabug Mohila Samity	Undarpar	Ashidran	29
19	Hoimanti Mohila Samity	Motigang	Ashidran	23
20	Mirzapur Lal Golap Mohila Samity	Mirzapur	Mirzapur	26
21	Atghar Simul Mohila Samity	Manik Hoar	Nazirabad	20
22	Jatarpur Jhenuk Mohila Samity	Jatarpur	Nazirabad	21
23	Uddain Mohila Samity	Vunobir	Vunobir	21
24	Jonaki Mohila Samity	Alipur	Ashidran	21
25	Pubali Mohila Samity	Rajpara	Vunobir	20
26	Uttzal Mohila Samity	Bade Alisha	Vunobir	15
27	Modhumita Mohila Samity	Gandarbapur	Vunobir	22
28	Kornofuli Mohila Samity	Rajpara	Vunobir	20
29	Sabuj sati Mohila Samity	Motigang	Vunobir	19
Total female Members				632
1	Manab Unnaun Samity	Boruna	Kalapur	21
2	Paddama Jubok Samity	Boruna	Kalapur	20
3	Boruna Jubokallan Samity	Boruna	Kalapur	20
4	Lal Golap Jubok Samity	Boruna	Kalapur	14
5	Al-Amin Motshajibi Samity	Boruna	Kalapur	22
6	Ragonigondha Motshajibi Samity	Boruna	Kalapur	16
7	Chiroshanti Motshajibi Samity	Boruna	Kalapur	28
8	Surjamukhi Jubok Samity	Hajipur	Kalapur	20
9	Hajipur Jubo Kallan Samity	Hajipur	Kalapur	17
10	Adarsha Motshajibi Samity	Paschim Varaura	Sreemongal	21
11	Jalali Motshajibi Samity	Hajipur	Kalapur	19
12	Uddaun Bhumihin Jubok Samity	Nayansri	Kalapur	17
13	Sunrise Jubok Samity	Paschim Varaura	Sreemongal	22
14	Upahar Jubok Samty	Hajipur	Kalapur	24
15	Surjadoy Jubok Samity	Nayansri	Kalapur	19

**List of Resource User Groups
Hail Haor Site**

Appendix-7

SI	Name of RUG	Village	Union	RUG members
16	Ekota Jubok Samity	Paschim Varaura	Sreemongal	19
17	Sapla Motshajibi Samity	Paschim Varaura	Sreemongal	21
18	Sha Paran Jubok Samity	Boruna	Kalapur	18
19	Doel Matshajibi Samity	Boruna	Kalapur	27
20	Sonar Bangla Matshajibi Samity	Daskahnia	Nazirabad	21
21	Sabugbag Matshajibi Samity	Sabugbug	Sreemongal	27
22	Moynamoti Matshajibi Samity	Boruna	Kalapur	29
23	Ranovim Zagoroni Samity	Ranovim	Gyasnagar	21
24	Rupali Matshajibi Samity	Uttar-Uttarsur	Sreemongal	28
25	Sonali Matshajibi Samity	Uttar-Uttarsur	Sreemongal	30
26	Uttzal Jubok Samity	Pachim Sreemonga	Sreemongal	23
27	Anirban Matshajibi Samity	Lalbag	Sreemongal	28
28	Mregel Matshajibi Samity	Gram Sreemongal	Gyasnagar	22
29	Prekiti Matshajibi Samity	Mordonal	Nazirabad	21
30	Illish Matshajibi Samity	Paschim Varaura	Sreemongal	20
31	Sampriti Matshajibi Samity	Banika	Gyasnagar	25
32	Shaluk Bhumihin Samity	Banika	Gyasnagar	20
33	Sha Mostofa Jubok Samity	Hajipur	Kalapur	17
34	Godhuli Jubo Samity	Bolashir	Mirzapur	18
35	Bade Alisha Matshajibi Samity	Bade Alisha	Vunobir	22
36	Dhahuk Matshajibi Samity	Undarpar	Ashidran	14
37	Taroka Matshajibi Samity	Bilasher Par	Ashidran	24
38	Al-Amin Motshajibi Samity	Undarpar	Ashidran	19
39	Mirzapur Matshajibi Samity	Lamapara	Mirzapur	23
40	Sharharsri Sapla Purus Samity	Sharhasri	Mirzapur	18
41	Manik Haor Zagrata Samity	Manik Hoar	Nazirabad	15
42	Jatrapasha Unnaan Samity	Jatrapasha	Mirzapur	21
43	Pachaun Nabodiganta Samity	Pachaun	Mirzapur	25
44	Bilasi Purus Samity	Bilasher Par	Vunobir	22
45	Atghar Uddaun Purus Samity	Atghar	Nazirabad	20
46	Nazirabad Ekota Purus Samity	Nazirabad	Nazirabad	25
47	Annanda Matshajibi Samity	Vunobir	Vunobir	20
48	Biplabi Purus Samity	Vimsir	Vunobir	21
49	Mitali Purus Samity	Gandarapur	Vunobir	25
50	Gandarapur Matshajibi Samity	Gandarapur	Vunobir	18
51	Shanchae Purus Samity	Gandarapur	Vunobir	25
52	Probhati Purus Samity	Lamapara	Mirzapur	25
53	Boroiuri Jubok Samity	Boroiuri	Nazirabad	15
54	Khasipur Unnaan Samity	Khasipur	Nazirabad	19
55	Sapla Purus Samity	Dade Alisha	Vunobir	19
Total Male Members				1170

Total Resource User Groups at Hail Haor site : 55+29 =84

Total RUG Members at Hail Haor Site : 1170 + 632 = 1802

**List of Resource User Groups
Turag Bangsi Site**

Appendix- 7

SI	Name of RUG	Village	Union council	RUG members
1	Taltoli Shapla Mohila Samity	Taltoli	Mouchack	19
2	Amdair Rajanigondha Mohila Samity	Amdair	Mouchack	22
3	Kaliadaha Shaluk Mohila Samity	Kaliadaha	Mouchack	29
4	Boali Pachispara Golap Samity	Boali	Boali	19
5	Jagironi Mohila Samity	Haturiachala	Maddhapara	15
6	Mediashulai Doyal Mohila Samity	Medi Ashulai	Chapair	19
7	Ekata Mohila Samity	Sinabaha	Mouchack	23
8	Sheulimala Mohila Samity	Boroibari	Chapair	15
9	Sutrapur Bongsi Mohila Samity	Sutrapur	Sutrapur	21
10	Patabahar Mohila Samity	Aliar Chala	Maddhapara	15
11	Udayan Mohila Samity	Solahati	Maddhapara	18
12	Nama Ashulai Hijol Mohila Samity	Nama Ashulai	Chapair	20
13	Kanchanpur Polash Mohila Samity	Kanchanpur	Chapair	17
14	Boali Purbapara Mohila Samity	Boali	Boali	20
15	Chatal Solahati Golapful Mohila Samity	Solahati	Maddhapara	15
Total female members				287
1	Gopinpur Rui Samity	Gopinpur	Maddhapara	20
2	Bastoli Matshajibi Samity	Bastoli	Mouchack	23
3	Solahati Chitol Samity	Solahati	Maddhapara	22
4	Kouchakori Kajoli Somobai Samity	Kouchakori	Mouchack	20
5	Bagambar Sramajibi Matsha Samity	Bagambar	Mouchack	21
6	Haturiachala Catla Samity	Haturiachala	Mouchack	18
7	Amdair Shapla Somobai Samity	Amdair	Mouchack	29
8	Vangarjantal Krishak Samity	Vangarjantal	Mouchack	21
9	Ashariabari Ilish Samity	Ashariabari	Chapair	18
10	Medi Ashulai Mola Samity	Medi Ashulai	Chapair	19
11	Boroibari Matshajibi Samity	Boroibari	Chapair	18
12	Derchala Jhinuk Samity	Derchala	Chapair	19
13	Nama Ashulai New Turag Samity	Nama Ashulai	Chapair	24
14	Betara Carp Samity	Betara	Chapair	18
15	Ajgana Ekata Chinri Samity	Ajgana	Ajgana	19
16	Tekpara Niknai Samity	Haturiachala	Maddhapara	16
17	Baniarchala Talla Samity	Rasidpur	Chapair	18
18	Sutrapur Sarputi Samity	Sutrapur	Sutrapur	18
19	Pangas Puruish Samity	Haturiachala	Maddhapara	20
20	Singh Purush Samity	Haturiachala	Maddhapara	22
21	Ekata Matshajibi Purush Samity	Majukhan	Mouchack	23
22	Madankhali Shaplan Purush Samity	Madankhali	Boali	22
23	Kundaghata Bonolata Purush Samity	Kundaghata	Boali	20
24	Sutrapur Machranga Matshajibi Purush S	Sutrapur	Sutrapur	18
25	Rasidpur Kadam Purush Samity	Rasidpur	Chapair	17
Total male members				503

Total Resource User Groups at Turag Bangsi site : 15+25 = 40

Total RUG Members at Turag - Bangsi Site: 287+ 503 = 790

**List of Resource User Groups
Kongsa -Malijhee Site**

Appendix -7

Sl	Name of RUG	Village	Union council	RUG members
1	Konapara Golap Mohila Samity	Konapara	Hatibanda	26
2	Joba Bhumihin Mohila Samity	Julgao	Malijeekanda	22
3	Jui Bhumihin Mohila Samity	Konapara	Hatibanda	27
4	Sapla Mohila Samity	Changuria	Malijeekanda	29
5	Khamarpara Lili Mohila Samity	Khamarpara	Malijeekanda	19
6	Maddha Kanduli Padda Mohila Samity	Kanduli	Dhanshail	17
7	Tircha Jalpadda Mohila Samity	Tircha	Pakuria	20
8	Purbo Badeteghoria Masranga Mohila Samity	Badeteghoria	Pakuria	19
9	Bhatipara Doel Mohila Samity	Bhatipara	Pakuria	24
10	Jhenuk Mohila Samity	Gonoi Borua	Pakuria	25
11	Sonabarkanda Dalim Mohila Samity	Sonabarkanda	Bajitkhila	21
12	Tatalpur Angur Mohila Samity	Tatalpur	Bajitkhila	23
13	Dhigarpar Bakul Mohila Samity	Dhigharpar	Pourosova	24
14	Gonoimoninkanda Golap Mohila Samity	Gonoi Moninkanda	Pakuria	20
15	Khamarpara Ragonighanda Mohila Samity	Kamarpara	Pourosova	20
16	Bhatipara Simul Mohila Samity	Bhatipara	Pourosova	19
17	Tilkandi Saluk Mohila Samity	Tilkandi	Pourosova	18
18	Badapara Tomal Mohila Samity	Badapara	Pourosova	21
19	Hasligao Beli Mohila Samity	Hasligao	Malijeekanda	21
20	Kamaria Jui Mohila Samity	Kamaria	Pourosova	23
21	Gonoi Boira Mukta Mohila Samity	Gonoi Boira	Pakuria	20
22	Protabia Joba Mohila Samity	Protabia	Bajitkhila	19
23	Darikalinagar Tilapia Mohila Samity	Darikalinagar	Jheneigati	23
24	Dolanchapa Mohila Samity	Baniapara	Malijeekanda	17
25	Sarikalinagar Katal Mohila Samity	Sarikalinagar	Jheneigati	16
26	Tilkandi Kalim Mohila Samity	Tilkandi	Pakuria	19
Total female members				552
1	Purbo Julgao Matshajibi Purus Samity	Julgao	Malijeekanda	16
2	Shajib Matshajibi Purus Samity	Julgao	Malijeekanda	15
3	Uttar Baniapara Matshajibi Purus Samity	Baniapara	Malijeekanda	26
4	Baniapara Matshajibi Purus Samity	Baniapara	Malijeekanda	25
5	Kata Tangra Matshajibi Samity	Julgao	Malijeekanda	15
6	Taki Matshajibi Samity	Julgao	Malijeekanda	20
7	Puti Matshajibi Purus Samity	Changuria	Malijeekanda	26
8	Tangaripara Matshajibi Purus Samity	Tangaripara	Malijeekanda	18
9	Paschim Darikalinagar Matshajibi Purus Samity	Darikalinagar	Jheneigati	21
10	Hasligao Maddapara Matshajibi Purus Samity	Hasligao	Malijeekanda	15
11	Hasligao Paschimpara Matshajibi Purus Samity	Hasligao	Malijeekanda	21
12	Hasligao Uzzal Matshajibi Purus Samity	Hasligao	Malijeekanda	23
13	Malijeekanda Matshajibi Purus Samity	Malijeekanda	Malijeekanda	21
14	Ekota Mohila Samity	Changuria	Malijeekanda	18
15	Khamarpara Jhenuk Matshajibi Purus Samity	Khamarpara	Malijeekanda	17
16	Purbo Darikalinagar Matshajibi Purus Samity	Darikalinagar	Jheneigati	21
17	Purbo Protabia Beli Samity	Protabia	Bajitkhila	19
18	Konagao Mregrel Matshajibi Purus Samity	Konagao	Jheneigati	25
19	Maddha Dariarpar Matshajibi Purus Samity	Dariarpar	Dhanshail	24
20	Sarikalinagar Matshajibi Samity	Sarikalinagar	Jheneigati	19
21	Sarikalinagar Koi Matshajibi Samity	Sarikalinagar	Jheneigati	24
22	Sarikalinagar Dhela Matshajibi Samity	Sarikalinagar	Jheneigati	16
23	Dakkhin Dariarpar Matshajibi Purus Samity	Dariarpar	Dhanshail	26
24	Dariarpar Sapla Matshajibi Purus Samity	Dariarpar	Dhanshail	18
25	Matiapara Matshajibi Samity	Matiapara	Jheneigati	21

**List of Resource User Groups
Kongsa -Malijhee Site**

Appendix -7

Sl	Name of RUG	Village	Union council	RUG members
26	Uttar Kanduli Matshajibi Samity	Kanduli	Dhanshail	16
27	Maddha Kanduli Mola Matshajibi Samity	Kanduli	Dhanshail	13
28	Balurchar Hijol Matshajibi Samity	Balurchar	Jheneigati	16
29	Bangao Chatal Nilotika Matshajibi Samity	Chatal	Jheneigati	15
30	Paschim Darikalinagar Karfu Purus Samity	Darikalinagar	Jheneigati	24
31	Purbo Darikalinagar Bonna Purus Samity	Darikalinagar	Jheneigati	18
32	Balurchar Bowal Matshajibi Purus Samity	Balurchar	Jheneigati	17
33	Balurchar Illish Matshajibi Purus Samity	Balurchar	Jheneigati	21
34	Darikalinagar Rui Purus Samity	Darikalinagar	Jheneigati	18
35	Darikalinagar chinrri Purus Samity	Darikalinagar	Jheneigati	16
36	Haoraniz Hijol Purus Samity	Haoraniz	Bhatshala	17
37	Darikalinagar Sarputi Purus Samity	Darikalinagar	Jheneigati	19
38	Bakarkanda Bok Matshajibi Samity	Bakarkanda	Dhola	18
39	Sharilinagar Gozar Purus Samity	Sharilinagar	Jheneigati	15
40	Darikalinagar Chanda Purus Samity	Darikalinagar	Jheneigati	17
41	Darikalinagar Gulsha Purus Samity	Darikalinagar	Jheneigati	18
42	Salda Matshajibi Samity	Salda	Jheneigati	17
43	Chatal Silver Matshajibi Samity	Chatal	Jheneigati	20
44	Konagao Sol Matshajibi Samity	Konagao	Jheneigati	21
45	Tircha Kawtabeel Matshajibi Samity	Tircha	Pakuria	20
46	Bakarkanda Katal Matshajibi Samity	Bakarkanda	Dhola	19
47	Khamarpara Khalisha Matshajibi Samity	Khamarpara	Pakuria	15
48	Bakarkanda Chanda Matshajibi Purus Samity	Bakarkanda	Dhola	16
49	Badeteghoria Poda Matshajibi Purus Samity	Badeteghoria	Pakuria	16
50	Badeteghoria Illish Matshajibi Purus Samity	Badeteghoria	Pakuria	16
51	Sonabarkanda Matshajibi Purus Samity	Sonabarkanda	Bajitkhila	24
52	Protabia Paddomoni Purus Samity	Protabia	Bajitkhila	21
53	Tatalpur Bowal Matshajibi Purus Samity	Tatalpur	Bajitkhila	18
54	Protabia Sole Purus Samity	Protabia	Bajitkhila	24
55	Protabia Gozar Purus Samity	Protabia	Bajitkhila	19
56	Kamaria Pabda Purus Samity	Kamaria	Pourosova	21
57	Martinpar Chital Matshajibi Purus Samity	Martinpar	Pourosova	25
58	Khamarpara Taki Purus Samity	Khamarpara	Pourosova	20
59	Khamarpara Koi Matshajibi Purus Samity	Khamarpara	Pourosova	16
60	Tilkandi Puti Matshajibi Purus Samity	Tilkandi	Pourosova	19
61	Tilkandi Sing Matshajibi Purus Samity	Tilkandi	Pourosova	16
62	Bhatiapara Sapla Matshajibi Purus Samity	Bhatiapara	Pourosova	19
63	Bhatiapara Rui Matshajibi Purus Samity	Bhatiapara	Pourosova	19
64	Purbo Pakuria Matshajibi Purus Samity	Pakuria	Pourosova	17
65	Ramkhila Kadam Matshajibi Purus Samity	Ramkhila	Pakuria	21
66	Tatalpur Tilapia Matshajibi Purus Samity	Tatalpur	Bajitkhila	20
67	Tatalpur Mola Matshajibi Purus Samity	Tatalpur	Bajitkhila	19
68	Dhigarpar Tangra Matshajibi Purus Samity	Dhigarpar	Pourosova	23
69	Kamaria Kalibaous Purus Samity	kamaria	Pourosova	20

**List of Resource User Groups
Kongsa -Malijhee Site**

Appendix -7

SI	Name of RUG	Village	Union council	RUG members
70	Sonabarkanda Surjamukhi Matshajibi Purus Sa	Sonabarkanda	Bajitkhila	20
71	Balia Kajli Matshajibi Purus Samity	Balia	Bajitkhila	25
72	Dhigarpar Pholi Matshajibi Purus Samity	Dhigarpar	Pourosova	21
73	Haoraniz Chinri Purus Samity	Haoraniz	Bhatshala	19
74	Badeteghoria Koroch Purus Samity	Badeteghoria	Pakuria	18
75	Tilkandi Ghonia Purus Samity	Tilkandi	Pourosova	22
Total Male members				1454

Total Resource User Groups at Kangsa Malijee site : 26+75 = 101

Total RUG members at Sherpur site : 552 + 1454 = 2006

Appendix-8

Training Session Register

MACH project
Training Session held since Inception
All Three Sites

Sl.	Training/workshop Title	Date	Venue/location	Number of participants	Duration (Days)
HailHaor					
1	TOT in wetland resource management	24-7-2000 to 25-7-2000	Srimongal site office	21	2
2	Plantation	4-8-2000		40	1
3	Facilitation skill development	24-9-01 to 25-9-01	Srimongal site office	22	2
4	NR planning & management	15-02-02 to 16-02-02	Monmohan Surker House, Vimshi	10	2
5	NR planning & management	15-02-02 to 16-02-02	Bairapgonj RMO Office	20	2
6	NR planning & management	16-02-02 to 17-02-02	Kagarua Kandi	18	2
7	NR planning & management	4-02-02 to 5-02-02	Mirjapur UP office	21	2
8	NR planning & management	6-02-02 to 7-02-02	Najir Mia House, Hossainpur	11	2
9	NR planning & management	6-02-02 to 7-02-02	Abdul Kader House, Badealisha	19	2
10	NR planning & management	7-03-02 to 8-03-02	Anikhali Govt. Primary School	10	2
11	Plantation	24-04-02	MACH Office, Sreemongal	32	1
12	Book keeping, Accounts maintenance & financial management	24-07-02 to 25-07-02	MACH Office, Sreemongal	25	2
13	Strengthening Local Institution	11-12-02 to 13-12-02	MACH Office, Sreemongal	15	3
14	Reviewing of RMO activities	17-12-02	Nozrul community center, Srimongal	22	1
15	Reviewing of RMO activities	30-12-02	Do	42	1
16	Reviewing of RMO activities	6/1/03	Do	43	1
17	Reviewing of RMO activities	7/1/03	Do	28	1
18	Reviewing of RMO activities	11/1/03	Do	38	1
19	Reviewing of RMO activities	12/1/03	Do	37	1
20	Reviewing of RMO activities	19/1/03	Do	39	1
21	Organizational management & its sustainability	19/3/03 to 29/3/03	Kalapur MACH office	20	2
22	Organizational management & its sustainability	22/3/03 to 23/3/03	Bhonobir UP office	19	2
23	Organizational management & its sustainability	30/3/03 to 31/3/03	Mirzapur MACH office	19	2
24	Organizational management & its sustainability	8/4/03 to 9/4/03	Anikali Govt. primary school	20	2
25	Organizational management & its sustainability	15/4/03 to 16/4/03	Ronovim Govt. primary school	18	2
26	Organizational management & its sustainability	20/4/03 to 21/4/03	Hossainpur primary school	17	2
27	Organizational management & its sustainability	28/4/03 to 29/4/03	Mirzapur MACH office	18	2
28	Sustainable plantation management	5/5/03 to 6/5/03	Mirzapur MACH office	24	2
29	Sustainable plantation management	7/5/03 to 8/5/03	Kalapur MACH office	17	2
30	Participatory Monitoring & Evaluation(PME)	17/6/03 to 18/6/03	MACH office, Srimongal	26	2
Total (Hail Haor)		30		711	52
Turag Bangshi					
1	Facilitation skill development	27-12-01 to 28-12-01	Taltoli MACH office	9	2
2	NR planning & management	13-01-02 to 14-01-02	Boroibari MACH Office	19	2
3	NR planning & management	27-01-02 to 28-01-02	Kanchanpur	22	2
4	NR planning & management	09-06-02 to 10-06-02	Taltali MACH Office	25	2

Sl.	Training/workshop Title	Date	Venue/location	Number of participants	Duration (Days)
5	Sustainable Plantation management	21-04-02	Boroibari MACH Office	28	1
6	Book keeping , Accounts maintenance & financial management	15-07-02 to 16-07-02	MACH Office, Kaliakoir	19	2
7	Strengthening Local Institution	11-12-02 to 13-12-02	MACH Office, Sreemongal	12	3
8	Reviewing RMO activities	22/01/03 to 23/01/03	Chapir Union	107	2
9	Reviewing RMO activities	29/01/03 to 30/01/03	Boribari	95	2
10	Reviewing RMO activities	2/02/03 to 2/02/03	Taltoli	111	2
11	Organizational management & its sustainability	7/3/03 to 8/3/03	Chapair UP office	27	2
12	Organizational management & its sustainability	15/3/03 to 16/3/03	Taltaoli MACH Field office	21	2
13	Organizational management & its sustainability	23 & 24 March	Boribari MACH site office	25	2
14	Participatory Monitoring & Evaluation(PME)	31/5/03 to 1/6/03	Boribari MACH office	30	2
15	Sustainable plantation management	23/4/03 to 24/4/03	Taltoli MACH office	20	2
Total (Turag Bangshi)		15		570	30
Kongshaw-Malijhee					
1	Facilitation skill development	23-12-01 to 24-12-01	Sherpur site office	12	2
2	NR planning & management	16-1-02 to 17-1-02	Kewta Beel Complex	39	2
3	NR planning & management	4-2-02 to 5-2-02	Bailsha Beel Complex	30	2
4	NR planning & management	13-2-02 to 14-2-02	Takimari-Darabashia Beel Complex	39	2
5	NR planning & management	17-2-02 to 18-2-02	Baila Beel Complex	38	2
6	Sustainable Plantation management	16-04-02	Site Office, Sherpur	25	1
7	Book keeping, Accounts maintenance financial management	20-07-02 to 21-07-02	Site Office, Sherpur	16	2
8	Strengthening Local Institution	22-12-02 to 24-12-02	MACH Office, Sherpur	11	3
9	Reviewing RMO activities	14-01-03	Bailsha complex	65	1
10	Reviewing RMO activities	15-01-03	Takimari dharabasia complex	88	1
11	Reviewing RMO activities	23-01-03	Baliachandi primary schooln	67	1
12	Reviewing RMO activities	27-02-03	Kewta complex	83	1
13	Organizational management & its sustainability	24/3/03 to 25/3/03	Shekhati MACH office	18	2
14	Organizational management & its sustainability	2/4/03 to 3/4/03	Baliachandi school	17	2
15	Organizational management & its sustainability	5/4/03 to 6/4/03	Tinani MACH office	19	2
16	Organizational management & its sustainability	8/4/03 to 9/4/03	Jinaigati MACH office	20	2
17	Sustainable plantation management	29/4/03 to 30/4/03	Tinani MACH office	31	2
18	Participatory Monitoring & Evaluation(PME)	10/5/03 to 11/5/03	Sherpur site office	21	2
Total (Kongshaw-Malijhee)		18		639	32
All Three site Total		63		1920	114

MACH Project
Pineapple/Lemon Workshop/Field Day
Hail Haor

Sl	Training Title	Date	Venue/Location	No. of Participants	Duration (Days)
1	Pineapple Demonstration Workshop	11-5-02	Foyzabad Hill	15	1
2	Pineapple Demonstration Workshop	12-5-02	Mohajerbad	28	1
3	Pineapple Growers Field Day	13-5-02	Foyzabad Hill at Mr. Mokon Miah's Demonstration Plot	29	1
4	Integrated pest management (IPM) in lemon & pineapple	24-2-2003	Mohajerbad high school	30	1
5	Integrated pest management (IPM) in lemon & pineapple	25-2-2003	Foyzabad Hill site	22	1
6	Integrated pest management (IPM) in vegetables, rice, potato & wheat	26-2-2003	Mirzapur Lamapara village	28	1
Total		6		152	6

Appendix 8 : Summary of imparted trainings to the RUG members.

Title of trainings, batch & participants		HH			KM			TB			Project
		Up to Dec. 02	Achie. Jan.-June 03	Cumul ative	Up to Dec. 02	Achie. Jan.-June 03	Cumul ative	Up to Dec. 02	Achie. Jan.-June 03	Cumula tive	Progress
Group Managt.	Batch	90	-	90	98	5	103	42	1	43	236
	Parti.	1610	-	1,610	1907	92	1,999	836	14	850	4,459
Leader ship	Batch	26	-	26	24	1	25	10	1	11	62
	Parti.	531	-	531	562	20	582	186	16	202	1,315
Account keeping	Batch	-	12	12	14	2	16	8	3	11	39
	Parti.	-	250	250	318	34	352	143	61	204	806
Healthca re	Batch	38	-	38	16	-	16	15	-	15	69
	Parti.	789	-	789	377	-	377	303	-	303	1,469
Resourc e Aware.	Batch	56	22	78	96	5	101	39	2	41	220
	Parti.	1061	414	1,475	1776	92	1,868	714	30	744	4,087
Fish culture	Batch	4	1	5	6	2	8	2	1	3	16
	Parti.	82	16	98	116	31	147	21	16	37	282
Fish nursery	Batch	1	-	1	1	-	1	-	-	-	2
	Parti.	9	-	9	17	-	17	-	-	-	26
Cage fish cult.	Batch	1	-	1	1	-	1	2	-	2	4
	Parti.	21	-	21	16	-	16	20	-	20	57
Plant nursery	Batch	3	2	5	2	-	2	3	1	4	11
	Parti.	44	36	80	36	-	36	23	10	33	149
Poultry	Batch	7	-	7	2	1	3	5	2	7	17
	Parti.	84	-	84	22	10	32	60	24	84	200
Wheat cultivate	Batch	6	-	6	5	-	5	7	-	7	18
	Parti.	104	-	104	95	-	95	198	-	198	397
Vegeta. cultiva.	Batch	7	3	10	11	3	14	3	1	4	28
	Parti.	135	61	196	260	50	310	51	17	68	574
Cow rearing	Batch	7	2	9	2	-	2	6	-	6	17
	Parti.	96	24	120	22	-	22	96	-	96	238
Bamboo & cane	Batch	-	-	-	2	2	4	-	-	-	4
	Parti.	-	-	-	24	24	48	-	-	-	48
Tailorin g	Batch	6	1	7	4	-	4	3	2	5	16
	Parti.	72	12	84	48	-	48	36	24	60	192
Embroid ery	Batch	-	-	-	-	2	2	-	-	-	2
	Parti.	-	-	-	-	24	24	-	-	-	24
Enterpri se	Batch	1	2	3	3	1	4	1	1	2	9
	Parti.	20	34	54	33	21	54	20	22	42	150
Adult literacy	Batch	2	-	2	2	-	2	2	-	2	6
	Parti.	25	-	25	20	-	20	11	-	11	56
Driving	Batch	1	-	1	-	1	1	-	1	1	3
	Parti.	10	-	10	-	10	10	-	3	3	23
Vocatio nal	Batch	2	1*	3	2	1	3	2	1	3	9
	Parti.	24	10	34	20	10	30	15	10	25	79
Pen culture	Batch	-	-	-	2	-	2	-	-	-	2
	Parti.	-	-	-	22	-	22	-	-	-	22
Org. Deve.	Batch	-	-	-	2	1	3	-	-	-	3
	Parti.	-	-	-	71	20	91	-	-	-	81
Conflict resolution	Batch	-	-	-	1	-	1	-	-	-	1
	Parti.	-	-	-	20	-	20	-	-	-	20
Drama	Batch	-	-	-	1	-	1	-	-	-	1
	Parti.	-	-	-	18	-	18	-	-	-	18
Potato	Batch	1	-	1	-	-	-	1	-	-1	2
	Parti.	14	-	14	-	-	-	9	-	9	23
TBA	Batch	1	-	1	-	-	-	1	-	1	1
	Parti.	8	-	8	-	-	-	6	-	6	14
Tree care & mgt.	Batch	-	-	-	5	-	5	-	-	-	5
	Parti.	-	-	-	66	-	66	-	-	-	66
Dev. Allies	Batch	4	-	4	3	-	3	4	-	4	11
	Parti.	57	-	57	70	-	70	35	-	35	162
Total	Batch	264	46	310	304	27	331	156	17	173	814
	Parti.	4,796	857	5,653	5,936	438	6,374	2,783	247	3,030	15,057

**Training report of Resource User Group members
MACH project, Caritas**

Appendix : 8

Site : Sreemongal

SI	Name of training	Date	Venue	Participants (no)	Training duration (days)
1	Group management	12-13/09/99	Kalapur field office	18	2
2	Group management	22-23/09/99	Kalapur field office	17	2
3	Group management	27-28/09/99	Kalapur field office	18	2
4	Group management	3-4/10/99	Kalapur field office	17	2
5	Group management	18-19/10/99	Kalapur field office	17	2
6	Group management	8-9/11/99	Kalapur field office	17	2
7	Group management	13-14/11/99	Kalapur field office	18	2
8	Group management	15-16/11/99	Kalapur field office	16	2
9	Group management	21-22/11/99	Kalapur field office	17	2
10	Group management	4-5/12/99	Kalapur field office	18	2
11	Group management	6-7/12/99	Forkania Madrasa, Sreemongal	17	2
12	Group management	28-29/09/99	Mirzapur field office	10	2
13	Group management	28-29/09/199	Mirzapur field office	15	2
14	Group management	18-19/10/99	Mirzapur field office	18	2
15	Group management	21-22/10/99	Mirzapur field office	14	2
16	Group management	24-25/10/99	Mirzapur field office	15	2
17	Group management	13-14/11/99	Mirzapur field office	15	2
18	Group management	21-22/11/99	Mirzapur field office	15	2
19	Group management	12-13/01/00	Kalapur field office	19	2
20	Group management	22-23/01/00	Tilabari, Boruna, Kalapur	19	2
21	Group management	7-8/02/00	Kalapur field office	20	2
22	Group management	9-10/02/00	Kalapur field office	15	2
23	Group management	12-13/02/00	Forkania Madrasa, Sreemongal	18	2
24	Group management	8-9/03/00	Kalapur field office	18	2
25	Group management	27-28/03/00	Kalapur field office	18	2
26	Group management	1-2/04/00	Lalbag, Sreemongal	18	2
27	Group management	1-2/04/00	Baluchar Anchar club, Sreemonga	18	2
28	Group management	3-4/04/00	Hajipur, Kalapur	17	2
29	Group management	4-5/04/00	Forkania Madrasa, Sreemongal	17	2
30	Group management	4-5/07/00	Rupnagar, Kalapur	20	2
31	Group management	10-11/7/0	Kalapur field office	17	2
32	Group management	9-10/08/2000	Kalapur field office	30	2
33	Group management	23-24/09/00	Sreemongal site office	15	2
34	Group management	22-23/10/00	Sreemongal site office	13	2
35	Group management	8-9/11/00	Kaliagao, Sreemongal	19	2
36	Group management	24-25/01/00	Mirzapur field office	13	2
37	Group management	13-14/02/00	Mirzapur field office	14	2
38	Group management	26-27/02/00	Mirzapur field office	14	2
39	Group management	27-28/03/00	Mirzapur field office	27	2
40	Group management	4-5/04/00	Jatatpur primary school	16	2
41	Group management	22-23/05/00	Mirzapur field office	15	2
42	Group management	12-13/06/00	Mirzapur field office	11	2
43	Group management	25-26/09/00	Manik Haor	15	2
44	Group management	15-16/10/00	Mirzapur field office	14	2
45	Group management	23-24/10/00	Mirzapur field office	20	2
46	Group management	18-19/11/00	Mirzapur field office	18	2
47	Group management	19-20/01/01	Dos Kahania primary school, Moulov	20	2
48	Group management	11-12/02/01	Sreemongal site office	23	2
49	Group management	13-14/02/01	Kalapur field office	17	2
50	Group management	3-4/03/01	Sreemongal site office	21	2
51	Group management	11-12/03/01	Sreemongal site office	30	2
52	Group management	18-19/03/01	Kalapur field office	16	2

**Training report of Resource User Group members
MACH project, Caritas**

Appendix : 8

Site : Sreemongal

SI	Name of training	Date	Venue	Participants (no)	Training duration (days)
53	Group management	2-3/04/01	Kalapur field office	16	2
54	Group management	4-5/04/01	Sreemongal site office	19	2
55	Group management	19-20/05/01	Kalapur field office	16	2
56	Group management	20-21/05/01	Sreemongal site office	23	2
57	Group management	22-23/05/01	Sreemongal site office	18	2
58	Group management	6-7/06/01	Kalapur field office	16	2
59	Group management	12-13/06/01	Kalapur field office	26	2
60	Group management	16-17/06/01	Kalapur field office	19	2
61	Group management	3-4/07/01	Sreemongal site office	23	2
62	Group management	23-24/07/01	Kalapur field office	17	2
63	Group management	5-6/08/01	Sreemongal site office	17	2
64	Group management	13-14/08/01	Kalapur field office	19	2
65	Group management	8-9/09/01	Kalapur field office	22	2
66	Group management	15-16/10/01	Ghorachao, Nazirabad	19	2
67	Group management	21-23/01/01	Mirzapur field office	13	2
68	Group management	4-5/02/01	Mirzapur field office	15	2
69	Group management	13-14/02/01	Mirzapur field office	20	2
70	Group management	23-24/02/01	Mirzapur field office	22	2
71	Group management	16-17/03/01	Mirzapur field office	14	2
72	Group management	21-22/03/01	Mirzapur field office	19	2
73	Group management	7-8/04/01	Atghar primary school	18	2
74	Group management	21-22/05/01	Manik Haor	17	2
75	Group management	10-11/06/01	Mirzapur field office	13	2
76	Group management	16-17/06/01	Jatatpur primary school	20	2
77	Group management	11-12/07/01	Mirzapur field office	13	2
78	Group management	21-22/07/01	Nazirabad union parishad	18	2
79	Group management	27-28/07/01	Atghar primary school	16	2
80	Group management	22-23/08/01	Mirzapur field office	17	2
81	Group management	16-17/09/01	Mirzapur field office	20	2
82	Group management	18-19/10/01	Mirzapur field office	20	2
83	Group management	9-10/03/02	Kalapur field office	20	2
84	Group management	18-19/05/02	Kalapur field office	20	2
85	Group management	6-7/10/02	Kalapur field office	18	2
86	Group management	10-11/10/02	Sreemongal site office	24	2
87	Group management	21-22/05/02	Mirzapur field office	21	2
88	Group management	17-18/06/02	Mirzapur field office	25	2
89	Group management	15-16/07/02	Mirzapur field office	16	2
90	Group management	17-18/12/02	Mirzapur field office	14	2

Total participants 1610

**Training report of Resource User Group members
MACH project, Caritas**

Appendix : 8

Site : Sreemongal

SI	Name of training	Date	Venue	Participants (no)	Training duration (days)
1	Leadership	28-29/11/99	Kalapur field office	30	2
2	Leadership	20-1/12/99	Mirzapur field office	24	2
3	Leadership	26-27/01/00	Kalapur field office	25	2
4	Leadership	6-7/03/00	Kalapur field office	20	2
5	Leadership	7-8/08/00	Kalapur field office	20	2
6	Leadership	18-19/11/00	Kalapur field office	19	2
7	Leadership	9-10/08/00	Mirzapur field office	17	2
8	Leadership	11-12/09/00	Mirzapur field office	20	2
9	Leadership	16-17/01/01	Kalapur field office	18	2
10	Leadership	9-10/05/01	Sreemongal site office	20	2
11	Leadership	28-29/07/01	Kalapur field office	25	2
12	Leadership	13-14/11/01	Sreemongal site office	21	2
13	Leadership	25-26/11/01	Mirzapur field office	18	2
14	Leadership	24-25/03/01	Mirzapur field office	19	2
15	Leadership	26/27/05/01	Mirzapur field office	14	2
16	Leadership	20-21/08/01	Mirzapur field office	18	2
17	Leadership	10-11/11/01	Mina's home, Atghar	19	3
18	Leadership	21-23/01/02	Kalapur field office	17	3
19	Leadership	25-27/03/02	Boyddagati primary school, Nazira	20	3
20	Leadership	27-29/05/02	Kalapur field office	19	3
21	Leadership	19-21/08/02	Kalapur field office	26	3
22	Leadership	26-28/10/02	Sreemongal site office	23	3
23	Leadership	2-3/09/01	Sreemongal site office	19	2
24	Leadership	28-30/05/02	Mirzapur field office	20	3
25	Leadership	11-13/08/02	Mirzapur field office	20	3
26	Leadership	10-12/11/02	Mirzapur field office	20	3

Total participants 531

1	Accounts Keeping	4-6/02/03	Mirzapur field office	20	3
2	Accounts Keeping	17-19/03/03	Mirzapur field office	19	3
3	Accounts Keeping	22-24/03/03	Mirzapur field office	22	3
4	Accounts Keeping	8/10/2003	Mirzapur field office	20	3
5	Accounts Keeping	20-22/05/03	Mirzapur field office	19	3
6	Accounts Keeping	25-27/05/03	Mirzapur field office	19	3
7	Accounts Keeping	25-27/02/03	Kalapur field office	18	3
8	Accounts Keeping	8-10/03/03	Sreemongal site office	18	3
9	Accounts Keeping	22-24/03/03	Kalapur field office	30	3
10	Accounts Keeping	5-7/04/03	Sreemongal site office	23	3
11	Accounts Keeping	11-13/05/03	Kalapur field office	20	3
12	Accounts Keeping	24-26/05/03	Sreemongal site office	22	3

250

1	Resource awareness	28/01/01	Kalapur field office	19	1
2	Resource awareness	25/02/01	Kalapur field office	19	1
3	Resource awareness	24/03/01	Kalapur field office	19	1
4	Resource awareness	25/04/01	Kalapur field office	17	1
5	Resource awareness	23/05/01	Kalapur field office	17	1
6	Resource awareness	20/06/01	Kalapur field office	24	1
7	Resource awareness	19/07/01	Kalapur field office	18	1
8	Resource awareness	19/08/01	Kalapur field office	19	1
9	Resource awareness	26/08/01	Kalapur field office	17	1
10	Resource awareness	4/10/2001	Sreemongal site office	16	1
11	Resource awareness	12/11/2001	Kalapur field office	17	1
12	Resource awareness	22-23/12/01	Kalapur field office	26	2

**Training report of Resource User Group members
MACH project, Caritas**

Appendix : 8

Site : Sreemongal

SI	Name of training	Date	Venue	Participants (no)	Training duration (days)
13	Resource awareness	27/01/01	Mirzapur field office	19	1
14	Resource awareness	10/2/2001	Mirzapur field office	17	1
15	Resource awareness	23/03/01	Mirzapur field office	19	1
16	Resource awareness	12/4/2001	Mirzapur field office	15	1
17	Resource awareness	20/05/01	Mirzapur field office	14	1
18	Resource awareness	21/06/01	Mirzapur field office	24	1
19	Resource awareness	25/07/01	Mirzapur field office	25	1
20	Resource awareness	19/08/01	Mirzapur field office	13	1
21	Resource awareness	15/09/01	Mirzapur field office	23	1
22	Resource awareness	13/10/1	Mirzapur field office	17	1
23	Resource awareness	4/11/2001	Mirzapur field office	22	1
24	Resource awareness	8/11/2001	Mirzapur field office	14	1
25	Resource awareness	12-13/01/02	Kalapur field office	19	2
26	Resource awareness	15-16/01/02	Kalapur field office	18	2
27	Resource awareness	5-6/02/02	Kalapur field office	25	2
28	Resource awareness	13-14/02/02	Kalapur field office	18	2
29	Resource awareness	19-20/3/02	Sreemongal site office	17	2
30	Resource awareness	6-7/04/02	Sreemongal site office	18	2
31	Resource awareness	10-11/04/02	Kalapur field office	17	2
32	Resource awareness	21-22/05/02	Kalapur field office	20	2
33	Resource awareness	26-27/05/02	Sreemongal site office	16	2
34	Resource awareness	5-6/06/02	Sreemongal site office	20	2
35	Resource awareness	15-16/06/02	Kalapur field office	20	2
36	Resource awareness	13-14/07/02	Kalapur field office	20	2
37	Resource awareness	21-22/07/02	Kalapur field office	16	2
38	Resource awareness	12-13/08/02	Sreemongal site office	21	2
39	Resource awareness	24-25/08/02	Kalapur field office	22	2
40	Resource awareness	17-18/09/02	Kalapur field office	18	2
41	Resource awareness	16-17/01/02	Mirzapur field office	18	2
42	Resource awareness	19-20/01/02	Mirzapur field office	13	2
43	Resource awareness	13-14/02/02	Mirzapur field office	25	2
44	Resource awareness	13-14/03/02	Mirzapur field office	19	2
45	Resource awareness	23-24/03/02	Mirzapur field office	19	2
46	Resource awareness	17-18/04/02	Mirzapur field office	14	2
47	Resource awareness	22-23/04/02	Mirzapur field office	16	2
48	Resource awareness	15-16/05/02	Mirzapur field office	22	2
49	Resource awareness	18-19/05/02	Mirzapur field office	23	2
50	Resource awareness	11-12/06/02	Mirzapur field office	18	2
51	Resource awareness	12-13/06/02	Mirzapur field office	22	2
52	Resource awareness	13-14/07/02	Mirzapur field office	25	2
53	Resource awareness	23-24/07/02	Mirzapur field office	16	2
54	Resource awareness	18-19/08/02	Mirzapur field office	22	2
55	Resource awareness	20-21/08/02	Mirzapur field office	19	2
56	Resource awareness	8-9/09/02	Mirzapur field office	15	2
57	Resource awareness	27-28/01/03	Sreemongal site office	28	2
58	Resource awareness	4-5/02/03	Kalapur field office	17	2
59	Resource awareness	15-16/02/03	Sreemongal site office	14	2
60	Resource awareness	11-12/03/03	Sreemongal site office	21	2
61	Resource awareness	16-17/03/03	Kalapur field office	16	2
62	Resource awareness	2-3/04/03	Sreemongal site office	20	2
63	Resource awareness	13-14/04/03	Das Kahania Primary School	20	2
64	Resource awareness	26-27/04/03	Kalapur field office	21	2

**Training report of Resource User Group members
MACH project, Caritas**

Appendix : 8

Site : Sreemongal

SI	Name of training	Date	Venue	Participants (no)	Training duration (days)
65	Resource awareness	16-17/05/03	Boyddagati primary school, Nazira	18	2
66	Resource awareness	19-20/05/03	Sreemongal site office	18	2
67	Resource awareness	19-20/05/03	Kalapur field office	18	2
68	Resource awareness	28-29/01/03	Mirzapur field office	23	2
69	Resource awareness	8-9/02/03	Mirzapur field office	16	2
70	Resource awareness	25-26/02/03	Mirzapur field office	19	2
71	Resource awareness	9-10/03/03	Mirzapur field office	18	2
72	Resource awareness	16-17/03/03	Sreemongal site office	23	2
73	Resource awareness	14-15/04/03	Mirzapur field office	20	2
74	Resource awareness	27/-28/04/03	Mirzapur field office	17	2
75	Resource awareness	28-29/04/03	Sreemongal site office	17	2
76	Resource awareness	7-8/05/03	Sreemongal site office	18	2
77	Resource awareness	11-12/05/03	Mirzapur field office	14	2
78	Resource awareness	18-19/05/03	Mirzapur field office	18	2

Total participants 1475

1	Health care & sanitation	5-6/04/00	Kalapur field office	17	2
2	Health care & sanitation	23-24/05/00	Kalapur field office	17	2
3	Health care & sanitation	6-7/06/00	Kalapur field office	18	2
4	Health care & sanitation	4-5/07/00	Kalapur field office	20	2
5	Health care & sanitation	23-24/08/00	Kalapur field office	19	2
6	Health care & sanitation	15-16/10/00	Kalapur field office	21	2
7	Health care & sanitation	15-16/11/00	Sreemongal site office	31	2
8	Health care & sanitation	19-20/05/00	Mirzapur field office	15	2
9	Health care & sanitation	19-20/07/00	Mirzapur field office	24	2
10	Health care & sanitation	19-20/08/00	Mirzapur field office	18	2
11	Health care & sanitation	23-24/09/00	Mirzapur field office	20	2
12	Health care & sanitation	21-22/10/00	Mirzapur field office	25	2
13	Health care & sanitation	22-23/11/00	Mirzapur field office	24	2
14	Health care & sanitation	21-22/01/01	Sreemongal site office	23	2
15	Health care & sanitation	20-21/03/01	Kalapur field office	20	2
16	Health care & sanitation	27-28/05/01	Kalapur field office	22	2
17	Health care & sanitation	24-25/06/01	Kalapur field office	25	2
18	Health care & sanitation	13-14/08/01	Sreemongal site office	27	2
19	Health care & sanitation	16-17/10/01	Kalapur field office	19	2
20	Health care & sanitation	28-29/01/01	Mirzapur field office	20	2
21	Health care & sanitation	11-12/02/01	Mirzapur field office	18	2
22	Health care & sanitation	26-27/05/01	Atghar primary school	21	2
23	Health care & sanitation	23-24/06/01	Union parishad, Nazirabad	21	2
24	Health care & sanitation	25-26/08/01	Mirzapur field office	20	2
25	Health care & sanitation	22-23/09/01	Mirzapur field office	21	2
26	Health care & sanitation	14-15/10/01	Mirzapur field office	21	2
27	Health care & sanitation	11-12/11/01	Mirzapur field office	21	2
28	Health care & sanitation	3-4/02/02	Kalapur field office	16	2
29	Health care & sanitation	13-14/04/02	Kalapur field office	17	2
30	Health care & sanitation	15-16/06/02	Sreemongal site office	17	2
31	Health care & sanitation	22-23/06/02	Sreemongal site office	20	2
32	Health care & sanitation	8-9/10/02	Kalapur field office	22	2
33	Health care & sanitation	9-10/12/02	Sreemongal site office	22	2
34	Health care & sanitation	26-27/01/02	Mirzapur field office	21	2
35	Health care & sanitation	19-20/03/02	Mirzapur field office	19	2
36	Health care & sanitation	26-27/05/02	Mirzapur field office	28	2
37	Health care & sanitation	21-22/07/02	Mirzapur field office	15	2

**Training report of Resource User Group members
MACH project, Caritas**

Appendix : 8

Site : Sreemongal

SI	Name of training	Date	Venue	Participants (no)	Training duration (days)
38	Health care & sanitation	16-17/11/02	Mirzapur field office	24	2
Total participants				789	
1	Cow rearing & fattening	4-5/10/00	Sreemongal site office	24	2
2	Cow rearing & fattening	18/9/01-23/10/01	Hajaribari, Motigong	12	30
3	Cow rearing & fattening	6/8/01 -11/9/01	Mostab's house, Hajipur, Kalapur	12	30
4	Cow rearing & fattening	15/2/02-22/3/02	Lalbag, Sreemongal	12	30
5	Cow rearing & fattening	2/11/02-2/12/02	Mohammadpur, Gayasnagar	12	30
6	Cow rearing & fattening	25/6/02-30/7/02	Biddut office, Mirzapur	12	30
7	Cow rearing & fattening	10/1/02-10/2/02	Hajaribari, Motigong	12	30
8	Cow rearing & fattening	5/04-5/5/03	Shabuj bag, Sreemongal	12	30
9	Cow rearing & fattening	11/5-14/6/03	Mordanhal, Nazirabad	12	30
Total participants				120	
1	Poultry & Duck rearing	2/6/01-4/7/01	Caritas Trade School, Sreemongal	12	30
2	Poultry & Duck rearing	1/11/01-6/12/01	Bade Alishah, Bhunobir	12	30
3	Poultry & Duck rearing	23/3/02-24/4/02	Lalbag, Sreemongal	12	30
4	Poultry & Duck rearing	16/5/02-20/6/02	Hajipur, Kalapur	12	30
5	Poultry & Duck rearing	14/8/02-14/9/02	Kaliargao, Gaysnagar	12	30
6	Poultry & Duck rearing	24/9/02-27/10/02	Paschim Sreemongal, Sreemongal	12	30
7	Poultry & Duck rearing	25/6/02-30/7/02	Palli Biddut office, Mirzapur	12	30
Total participants				84	
1	Tailoring	28/4/01-31/7/01	Mosabir master's house, Lalbug	12	90
2	Tailoring	11/8/01-25/11/01	Akon Mahaldar's house, Lalbug	12	90
3	Tailoring	23/4/02-7/8/02	Kaliargao, Gaysnagar	12	90
4	Tailoring	28/8/02-3/12/02	Gobindapur Bazar, Nazirabad	12	90
5	Tailoring	20/12/02-6/4/02	Hajipur, Kalapur	12	90
6	Tailoring	3/10/02-3/12/02	Bhunobir	12	90
7	Tailoring	14/04/03--	Mitigong	12	90
Total participants				84	
1	Pond culture	19-20/09/00	Sreemongal site office	24	2
2	Pond culture	14-15/05/01	Sreemongal site office	23	2
3	Pond culture	15-16/04/02	Sreemongal site office	19	2
4	Pond culture	17-18/04/02	Sreemongal site office	16	2
5	Pond nursery	17-18/02/02	Sreemongal site office	9	2
6	Pond fish culture	18-19/06/03	Sreemongal site office	16	
Total participants				107	
1	Plant nursery	20-21/10/00	Sreemongal site office	15	2
2	Plant nursery	18-20/09/01	Sreemongal site office	14	2
3	Plant nursery	03-06/03/02	Caritas Dhaka Region	15	5
4	Plant nursery	8-9/02/03	Sreemongal site office	18	2
5	Plant nursery	17-18/05/03	Sreemongal site office	18	2
Total participants				80	
1	Vegetable cultivation	11/10/2000	Sreemongal site office	22	1
2	Vegetable cultivation	16-17/09/01	Sreemongal site office	18	2
3	Vegetable cultivation	15-16/10/01	Sreemongal site office	14	2
4	Vegetable cultivation	11-12/03/02	Sreemongal site office	26	2
5	Vegetable cultivation	24-25/08/02	Sreemongal site office	12	2
6	Vegetable cultivation	21/10/02	Sreemongal site office	25	1
7	Vegetable cultivation	20/10/02	Mirzapur field office	18	1
8	Vegetable cultivation	17-18/02/03	Sreemongal site office	20	2
9	Vegetable cultivation	12/3/2003	Mirzapur field office	18	1
10	Vegetable cultivation	17-18/05/03	Kalapur field office	23	2
Total participants				196	

**Training report of Resource User Group members
MACH project, Caritas**

Appendix : 8

Site : Sreemongal

SI	Name of training	Date	Venue	Participants (no)	Training duration (days)
1	Wheat cultivation	6/11/1999	Mirzapur field office	18	1
2	Wheat cultivation	6/12/1999	Mirzapur field office	19	1
3	Wheat cultivation	7/11/1999	Kalapur field office	24	1
4	Wheat cultivation	7/11/2000	Sreemongal site office	13	1
5	Wheat cultivation	20/10/01	Sreemongal site office	19	1
6	Wheat cultivation	23/10/02	Sreemongal site office	11	1
Total participants				104	
1	Potato cultivation	19/10/02	Sreemongal site office	14	1
Total participants				14	
1	Vocational(Trade based)	1/1/01-30/12/01	Caritas Trade School, Sreemongal	10	365
2	Vocational(Trade based)	1/1/02-30/12/02	Caritas Trade School, Sreemongal	14	365
3	Vocational(Trade based)	02/01-31/12/03	Caritas Trade School, Sreemongal	10	365
Total participants				34	
1	Cage culture	25-27/06/01	Sreemongal site office	21	3
Total participants				21	
1	Micro-enterpreneurship	7-11/06/02	Sreemongal site office	20	5
2	Micro-enterpreneurship	2-4/02/03	Sreemongal site office	18	3
3	Micro-enterpreneurship	15-17/04/03	Sreemongal site office	16	3
Total participants				54	
1	Adult literacy	20/5/00-1/06/00	Sreemongal site office	10	12
2	Adult literacy	15/4/02-25/4/02	Caritas Development Institute, Dhaka	15	10
Total participants				25	
1	Driving	8/05/02-8/6/02	BRTC training center, Gazipur	10	30
Total participants				10	
1	Traditional Birth Assistance	16-25/06/02	Caritas NFP office, Dhaka	8	10
Total participants				8	
1	Development allies	27/2/00-2/3/00	CDI, Dhaka	15	5
2	Development allies	15-19/07/01	CDI, Dhaka	10	5
3	Development allies	7-11/06/02	Sreemongal site office	17	5
4	Development allies	15-17/05/02	CDI, Dhaka	15	3
Total participants				57	
Total training Batch				310 Participants	5,653

**Training report of Resource User Group members
MACH project, Caritas**

Appendix : 8

Site : Kaliakoir

SI	Name of training	Date	Venue	Participants (no)	Training duration (days)
1	Group management	20-21/10/99	Taltali office	20	2
2	Group management	1-2/11/99	Taltali office	21	2
3	Group management	6-7/11/99	Taltali office	20	2
4	Group management	10-11/11/99	Taltali office	21	2
5	Group management	17-18/11/99	Taltali office	22	2
6	Group management	24-25/11/99	Taltali office	21	2
7	Group management	30-31/01/00	Taltali office	21	2
8	Group management	9-10/02/00	Taltali office	19	2
9	Group management	23-24/02/00	Taltali office	17	2
10	Group management	30-31/05/00	Boroibari field office	17	2
11	Group management	30-31/05/00	Taltali office	18	2
12	Group management	12-13/06/00	Taltali office	20	2
13	Group management	10-11/06/00	Boroibari field office	22	2
14	Group management	5-6/06/00	Boroibari field office	19	2
15	Group management	26-27/06/00	Boroibari field office	18	2
16	Group management	20-21/08/00	Taltali office	16	2
17	Group management	1-2/08/00	Taltali office	17	2
18	Group management	16-17/08/00	Taltali office	16	2
19	Group management	9-10/09/00	Taltali office	24	2
20	Group management	10/11/2000	Taltali office	19	2
21	Group management	1-2/11/00	Boroibari field office	18	2
22	Group management	2-3/11/00	Taltali office	17	2
23	Group management	11-12/12/00	Taltali office	18	2
24	Group management	5-6/01/01	Taltali office	22	2
25	Group management	19-20/01/01	Taltali office	19	2
26	Group management	12-13/03/01	Boroibari field office	21	2
27	Group management	22-23/03/01	Boroibari field office	21	2
28	Group management	4-5/04/01	Boroibari field office	21	2
29	Group management	9-10/05/01	Boroibari field office	21	2
30	Group management	17-18/06/01	Boroibari field office	21	2
31	Group management	11-12/07/01	Boroibari field office	20	2
32	Group management	21-22/08/01	Boroibari field office	28	2
33	Group management	19-20/09/01	Boroibari field office	28	2
34	Group management	23-24/10/01	Boroibari field office	16	2
35	Group management	13-14/11/01	Taltali office	24	2
36	Group management	5-6/03/02	Boroibari field office	17	2
37	Group management	3-4/06/02	Boroibari field office	17	2
38	Group management	23-24/06/02	Boroibari field office	19	2
39	Group management	22-23/06/02	Taltali office	18	2
40	Group management	22-23/06/02	Rashidpur	23	2
41	Group management	14-15/07/02	Boroibari field office	15	2
42	Group management	20-21/08/02	Taltali office	24	2
43	Group management	24-25/03/03	Taltali office	14	2

Total participants 850

1	Leadership	5-6/02/00	Taltali office	20	2
2	Leadership	26-27/06/00	Taltali office	20	2
3	Leadership	13-14/09/00	Boroibari field office	20	2
4	Leadership	15-16/01/01	Taltali office	18	2
5	Leadership	11-12/06/01	Boroibari field office	20	2
6	Leadership	26-27/09/01	Boroibari field office	20	2
7	Leadership	15--17/01/02	Boroibari field office	15	3
8	Leadership	16-18/06/02	Boroibari field office	15	3

**Training report of Resource User Group members
MACH project, Caritas**

Appendix : 8

Site : Kaliakoir

SI	Name of training	Date	Venue	Participants (no)	Training duration (days)
9	Leadership	16-18/07/02	Boroibari field office	18	3
10	Leadership	21-23/08/02	Taltali office	20	3
11	Leadership	15-17/04/03	Boroibari field office	16	3

Total participants 202

1	Accounts keeping	7-9/05/00	Taltali office	20	2
2	Accounts keeping	24-25/11/00	Taltali office	25	2
3	Accounts keeping	8-10/10/01	Taltali office	18	2
4	Accounts keeping	11-13/03/02	Taltali office	15	3
5	Accounts keeping	22-24/04/02	Boroibari field office	18	3
6	Accounts keeping	28-30/05/02	Boroibari field office	15	3
7	Accounts keeping	23-25/07/02	Boroibari field office	15	3
8	Accounts keeping	27-29/08/02	Boroibari field office	17	3
9	Accounts keeping	18-20/02/03	Boroibari field office	21	3
10	Accounts keeping	8-10/04/03	Boroibari field office	19	3
11	Accounts keeping	6-8/05/03	Boroibari field office	21	3

Total participants 204

1	Health care	12-13/07/00	Taltali office	22	2
2	Health care	28-29/08/00	Taltali office	20	2
3	Health care	27-28/09/00	Boroibari field office	20	2
4	Health care	23-24/10/00	Taltali office	22	2
5	Health care	8-9/04/01	Taltali office	21	2
6	Health care	26-27/08/01	Boroibari field office	20	2
7	Health care	17-18/10/01	Boroibari field office	17	2
8	Health care	30-31/12/01	Boroibari field office	18	2
9	Health care	27-28/01/02	Boroibari field office	19	2
10	Health care	26-27/02/02	Taltali office	23	2
11	Health care	10-11/03/02	Boroibari field office	21	2
12	Health care	15-16/04/02	Boroibari field office	20	2
13	Health care	15-16/05/02	Boroibari field office	20	2
14	Health care	12-13/06/02	Taltali office	20	2
15	Health care	19-20/06/02	Taltali office	20	2

Total participants 303

1	Resource awareness	18/09/01	Taltali office	20	1
2	Resource awareness	22/09/01	Boroibari field office	18	1
3	Resource awareness	16/10/01	Taltali office	21	1
4	Resource awareness	11/10/2001	Boroibari field office	19	1
5	Resource awareness	1-2/11/01	Boroibari field office	19	2
6	Resource awareness	4-5/11/01	Boroibari field office	18	2
7	Resource awareness	21-22/11/01	Boroibari field office	17	2
8	Resource awareness	11-12/12/01	Boroibari field office	16	2
9	Resource awareness	19-20/12/01	Taltali office	19	2
10	Resource awareness	9-10/12/01	Boroibari field office	18	2
11	Resource awareness	8-9/01/02	Taltali office	17	2
12	Resource awareness	29-30/01/02	Taltali office	16	2
13	Resource awareness	23-24/01/02	Boroibari field office	16	2
14	Resource awareness	13-14/02/02	Boroibari field office	21	2
15	Resource awareness	26-27/02/02	Boroibari field office	20	2
16	Resource awareness	16-17/03/02	Boroibari field office	18	2
17	Resource awareness	27-28/03/02	Taltali office	19	2
18	Resource awareness	27-28/03/02	Boroibari field office	17	2
19	Resource awareness	10-11/04/02	Boroibari field office	15	2
20	Resource awareness	17-18/04/02	Boroibari field office	18	2

**Training report of Resource User Group members
MACH project, Caritas**

Appendix : 8

Site : Kaliakoir

Sl	Name of training	Date	Venue	Participants (no)	Training duration (days)
21	Resource awareness	28-29/04/02	Taltali office	19	2
22	Resource awareness	28-29/05/02	Taltali office	21	2
23	Resource awareness	22-23/05/02	Taltali office	20	2
24	Resource awareness	11-12/06/02	Taltali office	16	2
25	Resource awareness	12-13/06/02	Boroibari field office	23	2
26	Resource awareness	19-20/06/02	Boroibari field office	16	2
27	Resource awareness	22-23/06/02	Taltali office	18	2
28	Resource awareness	9-10/07/02	Boroibari field office	19	2
29	Resource awareness	16-17/07/02	Taltali office	20	2
30	Resource awareness	20-21/08/02	Boroibari field office	18	2
31	Resource awareness	15-16/09/02	Taltali office	23	2
32	Resource awareness	23-24/10/02	Taltali office	17	2
33	Resource awareness	23-24/10/02	Boroibari field office	16	2
34	Resource awareness	23-24/10/02	Derchala	18	2
35	Resource awareness	3-4/11/02	Taltali office	19	2
36	Resource awareness	9-10/11/02	Boroibari field office	19	2
37	Resource awareness	24-25/11/02	Boroibari field office	17	2
38	Resource awareness	4-5/12/02	Taltali office	17	2
39	Resource awareness	20-21/12/02	Boroibari field office	16	2
40	Resource awareness	22-23/02/03	Boroibari field office	12	2
41	Resource awareness	23-24/04/03	Boroibari field office	18	2

Total participants 744

1	Cow rearing & fattening	23-24/07/00	Taltali	24	2
2	Cow rearing & fattening	26-27/09/01	Boroibari	24	2
3	Cow rearing & fattening	10/11-13/12/01	Boroibari	12	30
4	Cow rearing & fattening	22/12-24/1/02	Taltali	12	30
5	Cow rearing & fattening	22/6-24/7/02	Boroibari	12	30
6	Cow rearing & fattening	26/3-30/4/02	Mediasulai	12	30

Total participants 96

1	Poultry & Duck rearing	4/1/2002	Taltali	12	30
2	Poultry & Duck rearing	2/2/2002	Namasulai	12	30
3	Poultry & Duck rearing	19/03/02	Taltali	12	30
4	Poultry & Duck rearing	6/5/2002	Boroibari	12	30
5	Poultry & Duck rearing	10/7/2002	Boroibari	12	30
6	Poultry & Duck rearing	4/1-4/2/03	Taltali	12	30
7	Poultry & Duck rearing	26/02-26/03/03	Kanchanpur	12	30

Total participants 84

1	Tailoring	6/1/2002	Taltali	12	90
2	Tailoring	6/5/2002	Taltali	12	90
3	Tailoring	27/8-19/12/02	Boroibari	12	90
4	Tailoring	1/1/03-28/04/03	Boroibari	12	90
5	Tailoring	6/5- on going	Boroibari	12	90

Total participants 60

1	Pond fish culture	6-7/06/01	Taltali office	9	2
2	Pond fish culture	11-13/03/02	Bastali	12	3
3	Pond fish culture	25-26/02/03	Haturiachala	16	2

Total participants 37

1	Plant nursery	24-25/09/00	Taltali office	8	2
2	Plant nursery	12-13/11/01	Boroibari field office	9	2
3	Plant nursery	03-06/03/02	Caritas Dhaka Region	6	4
4	Plant nursery	24-25/03/03	Taltali office	10	2

Total participants 33

**Training report of Resource User Group members
MACH project, Caritas**

Appendix : 8

Site : Kaliakoir

Sl	Name of training	Date	Venue	Participants (no)	Training duration (days)
1	Vegetable cultivation	10-11/11/01	Boroibari field office	14	2
2	Vegetable cultivation	18-19/03/02	Boroibari field office	19	2
3	Vegetable cultivation	17-18/02/00	Taltali office	18	2
4	Vegetable cultivation	15-16/02/03	Boroibari office	17	2
Total participants				68	
1	Wheat cultivation	15/10/99	Taltali office	21	0.5
2	Wheat cultivation	28/09/00	Taltali office	24	0.5
3	Wheat cultivation	28/09/00	Taltali office	21	0.5
4	Wheat cultivation	17/11/01	Boroibari field office	29	0.5
5	Wheat cultivation	17/11/01	Boroibari field office	31	0.5
6	Wheat cultivation	27/10/02	Boroibari field office	36	0.5
7	Wheat cultivation	27/10/02	Boroibari field office	36	0.5
Total participants				198	
1	Potato cultivation	13/09/02	Boroibari field office	9	1
Total participants				9	
1	Vocational(Trade based)	1/1/01-30/12/01	Caritas Trade School, S	5	365
2	Vocational(Trade based)	1/1/02-30/12/02	Caritas Trade School, S	10	365
3	Vocational(Trade based)	1/1/03-31/12/03	Caritas Trade School, S	10	365
Total participants				25	
1	Driving	09/03-09-04/03	BRTC, Gazipur	3	30
Total participants				3	
1	Cage culture	11-13/12/00	Taltali office	10	2
2	Cage culture	4-6/12/01	Taltali office	10	3
Total participants				20	
1	Micro-enterpreneurship	20-23/04/02	Taltali office	20	4
2	Micro-enterpreneurship	17-20/03/03	Boroibari office	22	4
Total participants				42	
1	Adult literacy	20/5/00-1/06/00	Sreemongal site office	5	12
2	Adult literacy	15/4/02-25/4/02	Caritas Development Ins	6	10
Total participants				11	
1	Traditional Birth Assistance	16-25/06/02	Caritas NFP office, Dha	6	10
Total participants				6	
1	Development allies	7-11/06/02	Sreemongal site office	10	5
2	Development allies	27/2/00-2/3/00	CDI, Dhaka	10	5
3	Development allies	15-19/07/01	CDI, Dhaka	7	5
4	Development allies	15-17/05/02	CDI, Dhaka	8	3
Total participants				35	
Total training Batch				173 Participants	3,030

**Training report of Resource User Group members
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Appendix : 8

Site : Sherpur

Sl	Name of training	Date	Venue	Participants (no)	Training duration (days)
1	Group management	7-8/11/00	Tinani field office	27	2
2	Group management	13-14/11/00	Tinani field office	31	2
3	Group management	19-20/11/00	Tinani field office	32	2
4	Group management	10-11/01/01	Tinani field office	20	2
5	Group management	15-16/01/01	Tinani field office	19	2
6	Group management	21-22/01/01	Tinani field office	18	2
7	Group management	7-8/02/01	Tinani field office	16	2
8	Group management	24-25/02/01	Tinani field office	15	2
9	Group management	14-15/03/01	Tinani field office	20	2
10	Group management	19-20/03/01	Tinani field office	16	2
11	Group management	28-29/03/01	Tinani field office	14	2
12	Group management	19-20/04/01	Tinani field office	20	2
13	Group management	26-27/04/01	Tinani field office	17	2
14	Group management	23-24/05/01	Tinani field office	19	2
15	Group management	9-10/06/01	Tinani field office	11	2
16	Group management	11-12/06/01	Tinani field office	13	2
17	Group management	8-9/07/01	Tinani field office	16	2
18	Group management	11-12/07/01	Tinani field office	16	2
19	Group management	7-8/08/01	Tinani field office	17	2
20	Group management	20-21/09/01	Tinani field office	17	2
21	Group management	10-11/09/01	Tinani field office	15	2
22	Group management	23-24/09/01	Tinani field office	16	2
23	Group management	10-11/11/01	Tinani field office	20	2
24	Group management	18-19/10/01	Tinani field office	19	2
25	Group management	30-31/10/01	Tinani field office	18	2
26	Group management	5-6/12/01	Tinani field office	17	2
27	Group management	29-30/01/01	Shekhathi field office	25	2
28	Group management	19-20/02/01	Shekhathi field office	22	2
29	Group management	13-14/02/01	Shekhathi field office	25	2
30	Group management	15-16/02/01	Shekhathi field office	25	2
31	Group management	17-18/03/01	Shekhathi field office	24	2
32	Group management	24-25/03/01	Shekhathi field office	20	2
33	Group management	2-3/04/01	Shekhathi field office	23	2
34	Group management	21-22/03/01	Shekhathi field office	23	2
35	Group management	10-11/04/01	Shekhathi field office	20	2
36	Group management	19-20/05/01	Shekhathi field office	20	2
37	Group management	29-30/05/01	Shekhathi field office	19	2
38	Group management	3-4/06/01	Shekhathi field office	15	2
39	Group management	25-26/06/01	Shekhathi field office	18	2
40	Group management	9-10/07/01	Shekhathi field office	22	2
41	Group management	11-12/07/01	Shekhathi field office	19	2
42	Group management	8-9/08/01	Shekhathi field office	21	2
43	Group management	24-25/08/01	Shekhathi field office	12	2
44	Group management	13-14/08/01	Shekhathi field office	14	2
45	Group management	23-24/09/01	Shekhathi field office	14	2
46	Group management	25-26/09/01	Shekhathi field office	19	2
47	Group management	16-17/10/01	Shekhathi field office	17	2
48	Group management	13-14/10/01	Shekhathi field office	16	2
49	Group management	3-4/11/01	Shekhathi field office	27	2
50	Group management	8-9/01/02	Tinani field office	25	2
51	Group management	12-13/01/02	Jheneigati field office	19	2
52	Group management	18-19/01/02	Jheneigati field office	20	2

**Training report of Resource User Group members
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Appendix : 8

Site : Sherpur

Sl	Name of training	Date	Venue	Participants (no)	Training duration (days)
53	Group management	16-17/01/02	Tinani field office	20	2
54	Group management	14-15/01/02	Jheneigati field office	19	2
55	Group management	16-17/02/02	Jheneigati field office	20	2
56	Group management	6-7/02/02	Jheneigati field office	21	2
57	Group management	4-5/02/02	Jheneigati field office	21	2
58	Group management	9-10/03/02	Jheneigati field office	21	2
59	Group management	11-12/03/02	Jheneigati field office	20	2
60	Group management	5-6/03/02	Jheneigati field office	28	2
61	Group management	3-4/03/02	Jheneigati field office	20	2
62	Group management	20-21/04/02	Tinani field office	21	2
63	Group management	20-21/04/02	Jheneigati field office	17	2
64	Group management	10-11/04/02	Jheneigati field office	22	2
65	Group management	8-9/04/02	Jheneigati field office	18	2
66	Group management	6-7/04/02	Jheneigati field office	17	2
67	Group management	22-23/05/02	Jheneigati field office	18	2
68	Group management	19-20/05/02	Jheneigati field office	20	2
69	Group management	8-9/06/02	Jheneigati field office	22	2
70	Group management	2-3/06/02	Jheneigati field office	17	2
71	Group management	3-4/06/02	Jheneigati field office	20	2
72	Group management	17-18/05/02	Jheneigati field office	16	2
73	Group management	6-7/06/02	Jheneigati field office	20	2
74	Group management	11-12/06/02	Tinani field office	23	2
75	Group management	16-17/01/02	Shekhathi field office	19	2
76	Group management	14-15/01/02	Shekhathi field office	17	2
77	Group management	12-13/01/02	Shekhathi field office	17	2
78	Group management	22-23/01/02	Shekhathi field office	23	2
79	Group management	20-21/01/02	Shekhathi field office	18	2
80	Group management	26-27/01/02	Shekhathi field office	20	2
81	Group management	6-7/02/02	Shekhathi field office	18	2
82	Group management	4-5/02/02	Shekhathi field office	21	2
83	Group management	19-20/02/02	Shekhathi field office	17	2
84	Group management	6-7/03/02	Shekhathi field office	20	2
85	Group management	9-10/03/02	Shekhathi field office	21	2
86	Group management	13-14/03/02	Shekhathi field office	18	2
87	Group management	16-17/03/02	Shekhathi field office	21	2
88	Group management	16-17/04/02	Shekhathi field office	20	2
89	Group management	11-12/05/02	Shekhathi field office	22	2
90	Group management	9-10/06/02	Shekhathi field office	20	2
91	Group management	3-4/06/02	Shekhathi field office	19	2
92	Group management	6-7/06/02	Shekhathi field office	15	2
93	Group management	11-12/06/02	Shekhathi field office	16	2
94	Group management	23-24/06/02	Shekhathi field office	20	2
95	Group management	7-8/07/02	Shekhathi field office	20	2
96	Group management	18-19/09/02	Shekhathi field office	22	2
97	Group management	25-26/09/02	Shekhathi field office	19	2
98	Group management	4-5/11/02	Shekhathi field office	20	2
99	Group management	12-13/1/03	Shekhathi field office	16	2
100	Group management	22-23/01/03	Tinani field office	15	2
101	Group management	19-20/02/03	Shekhathi field office	20	2
102	Group management	5-6/03/03	Shekhathi field office	19	2
103	Group management	6-7/04/03	Shekhathi field office	22	2
Total				1999	

**Training report of Resource User Group members
MACH project, Caritas**

Appendix : 8

Site : Sherpur

Sl	Name of training	Date	Venue	Participants (no)	Training duration (days)
1	Leadership	17-18/01/01	Tinani field office	29	2
2	Leadership	23-24/07/01	Tinani field office	26	2
3	Leadership	13-14/10/01	Tinani field office	27	2
4	Leadership	24-25/04/01	Shekhathi field office	23	2
5	Leadership	11-12/09/01	Shekhathi field office	25	2
6	Leadership	16-18/02/02	Tinani field office	24	3
7	Leadership	13-15/02/02	Tinani field office	25	3
8	Leadership	20-22/03/02	Tinani field office	24	3
9	Leadership	17-19/03/02	Tinani field office	30	3
10	Leadership	22-24/04/02	Tinani field office	25	3
11	Leadership	29-31/05/02	Tinani field office	20	3
12	Leadership	9-11/06/02	Tinani field office	20	3
13	Leadership	20-22/06/02	Tinani field office	21	3
14	Leadership	6-8/06/02	Tinani field office	20	3
15	Leadership (follow up)	27/02/02	Tinani field office	20	1
16	Leadership (follow up)	23/03/02	Tinani field office	30	1
17	Leadership	12-14/02/02	Shekhathi field office	20	3
18	Leadership	17-19/03/02	Shekhathi field office	20	3
19	Leadership	20-22/04/02	Shekhathi field office	20	3
20	Leadership	8-10/05/02	Shekhathi field office	20	3
21	Leadership	8-10/06/02	Shekhathi field office	20	3
22	Leadership	11-13/06/02	Shekhathi field office	20	3
23	Leadership (follow up)	7/2/2002	Field level	30	1
24	Leadership (follow up)	21/05/02	Field level	23	1
25	Leadership	22-24/02/03	Jheneigati field office	20	3
Total				582	
1	Accounts keeping	10-11/02/01	Tinani field office	22	2
2	Accounts keeping	24/11/01	Shekhathi field office	21	2
3	Accounts keeping	12-13/11/01	Tinani field office	30	2
4	Accounts keeping	21-22/01/02	Tinani field office	26	2
5	Accounts keeping	24-25/01/02	Tinani field office	24	2
6	Accounts keeping	13-14/03/02	Tinani field office	24	2
7	Accounts keeping	29-30/05/02	Tinani field office	23	2
8	Accounts keeping	13-14/05/02	Tinani field office	24	2
9	Accounts keeping	6-7/04/02	Shekhathi field office	22	2
10	Accounts keeping	10-11/04/02	Shekhathi field office	25	2
11	Accounts keeping	22-23/06/02	Shekhathi field office	19	2
12	Accounts keeping	26-27/06/02	Shekhathi field office	20	2
13	Accounts keeping	June, 2003	Shekhathi field office	18	2
14	Accounts keeping	June, 2003	Shekhathi field office	20	2
15	Accounts keeping	23-24/02/03	Shekhathi field office	15	2
16	Accounts keeping	27-28/04/03	Jheneigati field office	19	2
Total				352	
1	Resource awareness	20/2/01	Hasligao	21	1
2	Resource awareness	17/02/01	Julgao	14	1
3	Resource awareness	16/2/01	Sarikalinagar	19	1
4	Resource awareness	21/03/01	Julgao	14	1
5	Resource awareness	22/03/01	Hasligao	13	1
6	Resource awareness	23/04/01	Maliyeekanda	18	1
7	Resource awareness	18/05/01	Dhakin Dariarpar	15	1
8	Resource awareness	28/05/01	Changuria	14	1
9	Resource awareness	20/07/01	Matiapara	15	1

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Site : Sherpur

Sl	Name of training	Date	Venue	Participants (no)	Training duration (days)
10	Resource awareness	21/07/01	Baluchar	15	1
11	Resource awareness	19/08/01	Khamarpara	15	1
12	Resource awareness	19/09/01	Konagao	17	1
13	Resource awareness	25/09/01	Purbo Darikalinagar	15	1
14	Resource awareness	15/10/01	Baniapara	21	1
15	Resource awareness	17/10/01	Darikalinagar	21	1
16	Resource awareness	22/10/01	Uttar Baniapara	15	1
17	Resource awareness	27/11/01	Dariarpar	16	1
18	Resource awareness	28/11/01	Konagao	19	1
19	Resource awareness	9/12/2001	Darikalinagar	17	1
20	Resource awareness	12/12/2001	Uttar Kanduli	17	1
21	Resource awareness	11/2/2001	Grroup level	25	1
22	Resource awareness	25/02/01	Grroup level	25	1
23	Resource awareness	15/03/01	Grroup level	25	1
24	Resource awareness	20/03/01	Grroup level	20	1
25	Resource awareness	1/4/2001	Grroup level	20	1
26	Resource awareness	31/05/01	Grroup level	20	1
27	Resource awareness	19/06/01	Grroup level	20	1
28	Resource awareness	24/06/01	Grroup level	20	1
29	Resource awareness	24/07/01	Grroup level	18	1
30	Resource awareness	26/07/01	Grroup level	20	1
31	Resource awareness	28/07/01	Grroup level	15	1
32	Resource awareness	21/08/01	Grroup level	20	1
33	Resource awareness	26/08/01	Grroup level	20	1
34	Resource awareness	9/9/2001	Grroup level	21	1
35	Resource awareness	19/09/01	Grroup level	15	1
36	Resource awareness	18/10/01	Grroup level	16	1
37	Resource awareness	22/10/01	Grroup level	18	1
38	Resource awareness	26/05/01	Grroup level	20	1
39	Resource awareness	12/5/2001	Grroup level	21	1
40	Resource awareness	13/11/01	Grroup level	15	1
41	Resource awareness	12/11/2001	Grroup level	16	1
42	Resource awareness	20/01/02	Hasligao	17	1
43	Resource awareness	26/01/02	Changuria	17	1
44	Resource awareness	19/02/02	Darikalinagar	16	1
45	Resource awareness	12/2/2002	Maddha Dariarpar	19	1
46	Resource awareness	8/2/2002	Khamarpara	16	1
47	Resource awareness	3/2/2002	Uttar Darikalinagar	17	1
48	Resource awareness	20/02/02	Sarikalinagar	19	1
49	Resource awareness	15/03/02	Maddha Kanduli	17	1
50	Resource awareness	6/3/2002	Katakhali school	16	1
51	Resource awareness	24/04/02	Chatal	15	1
52	Resource awareness	21/04/02	Field level	16	1
53	Resource awareness	16/04/02	Konapara	20	1
54	Resource awareness	25/04/02	Field level	20	1
55	Resource awareness	13/05/02	Field level	15	1
56	Resource awareness	23/05/02	Konagao	18	1
57	Resource awareness	20/05/02	Darikalinagar	20	1
58	Resource awareness	22/05/02	Maddha Kanduli	18	1
59	Resource awareness	27/03/02	Sarikalinagar	17	1
60	Resource awareness	29/05/02	Changaripara	20	1
61	Resource awareness	5/6/2002	Changuria	19	1

**Training report of Resource User Group members
MACH project, Caritas**

Appendix : 8

Site : Sherpur

Sl	Name of training	Date	Venue	Participants (no)	Training duration (days)
62	Resource awareness	6/6/2002	Sarikalinagar	15	1
63	Resource awareness	8/6/2002	Bonga Chatal	16	1
64	Resource awareness	9/6/2002	Baluchar	16	1
65	Resource awareness	10/6/2002	Konagao	25	1
66	Resource awareness	10/6/2002	Baluchar	21	1
67	Resource awareness	12/6/2002	Field level	17	1
68	Resource awareness	17/06/02	Field level	18	1
69	Resource awareness	22/06/02	Darikalinagar	14	1
70	Resource awareness	5/4/2002	Julgao	17	1
71	Resource awareness	15/01/02	Grroup level	22	1
72	Resource awareness	8/1/2002	Grroup level	20	1
73	Resource awareness	24/01/02	Grroup level	18	1
74	Resource awareness	6/2/2002	Grroup level	19	1
75	Resource awareness	4/2/2002	Grroup level	18	1
76	Resource awareness	16/02/02	Grroup level	21	1
77	Resource awareness	10/3/2002	Grroup level	16	1
78	Resource awareness	12/3/2002	Grroup level	21	1
79	Resource awareness	15/03/02	Grroup level	20	1
80	Resource awareness	17/03/02	Grroup level	21	1
81	Resource awareness	20/03/02	Grroup level	15	1
82	Resource awareness	24/03/02	Grroup level	19	1
83	Resource awareness	8/4/2002	Grroup level	25	1
84	Resource awareness	8/4/2002	Grroup level	20	1
85	Resource awareness	6/5/2002	Grroup level	22	1
86	Resource awareness	12/5/2002	Grroup level	20	1
87	Resource awareness	7/5/2002	Grroup level	25	1
88	Resource awareness	25/05/02	Grroup level	21	1
89	Resource awareness	28/05/02	Grroup level	25	1
90	Resource awareness	29/05/02	Grroup level	20	1
91	Resource awareness	8/6/2002	Grroup level	20	1
92	Resource awareness	20/06/02	Grroup level	16	1
93	Resource awareness	11/7/2002	Grroup level	20	1
94	Resource awareness	22/09/02	Grroup level	20	1
95	Resource awareness	17/09/02	Grroup level	22	1
96	Resource awareness	18/12/02	Grroup level	18	1
97	Resource awareness	9-10/02/03	Shekhathi field office	18	2
98	Resource awareness	11-12/03/03	Shekhathi field office	20	2
99	Resource awareness	23-24/03/03	Jheneigati field office	17	2
100	Resource awareness	19-20/05/03	Shekhathi field office	21	2
101	Resource awareness	26-27/05/03	Shekhathi field office	16	2
Total				1868	
1	Primary health care	30-31/01/01	Tinani field office	35	2
2	Primary health care	20-21/10/01	Tinani field office	30	2
3	Primary health care	13-14/06/01	Shekhathi field office	30	2
4	Primary health care	28-29/01/02	Tinani field office	26	2
5	Primary health care	19-20/02/02	Tinani field office	24	2
6	Primary health care	20-21/03/02	Tinani field office	26	2
7	Primary health care	23-24/04/02	Tinani field office	25	2
8	Primary health care	16-17/05/02	Tinani field office	16	2
9	Primary health care	13-14/06/02	Tinani field office	27	2
10	Primary health care	11-12/03/02	Shekhathi field office	19	2
11	Primary health care	27-28/03/02	Shekhathi field office	20	2

**Training report of Resource User Group members
MACH project, Caritas**

Appendix : 8

Site : Sherpur

Sl	Name of training	Date	Venue	Participants (no)	Training duration (days)
12	Primary health care	13-14/05/02	Shekhathi field office	21	2
13	Primary health care	18-19/05/02	Shekhathi field office	20	2
14	Primary health care	5-06/06/02	Shekhathi field office	23	2
15	Primary health care	29-30/06/02	Shekhathi field office	18	2
16	Primary health care	23-24/07/02	Shekhathi field office	17	2
Total				377	
1	Cow rearing & fattenin	1/11-31/2/02	Jheneigati field office	12	30
2	Cow rearing & fattenin	02/01-02/02/02	Shekhathi field office	10	30
Total				22	
1	Poultry & Duck rearing	01-30/06/01	Jheneigati field office	12	30
2	Poultry & Duck rearing	14/7/-19/08/01	Shekhathi field office	10	30
3	Poultry & Duck rearing	21/5-20/6/03	Shekhathi field office	10	30
Total				32	
1	Tailoring	1/9/-31/11/01	Shekhathi field office	12	90
2	Tailoring	Jan.-March 02	Jheneigati field office	12	90
3	Tailoring	1/4-30/06/02	Jheneigati field office	12	90
4	Tailoring	15/9-21/12/02	Shekhathi field office	12	90
Total				48	
1	Bamboo & Cane	1/4-30/6/02	Jheneigati field office	12	90
2	Bamboo & Cane	15/03-15/06/02	Shekhathi field office	12	90
3	Bamboo & Cane	2/1-31/3/03	Tinani field office	12	90
4	Bamboo & Cane	1/4-30/6/03	Shekhathi field office	12	90
Total				48	
1	Embroidary	1/1-31/03/03	Shekhathi field office	12	90
2	Embroidary	1/4-30/06/03	Jheneigati field office	12	90
Total				24	
1	Pond culture & nursery	26-27/06/01	Tinani field office	20	2
2	Pond culture & nursery	16-17/06/01	Shekhathi field office	23	2
3	Pond culture & nursery	14-15/06/02	Jheneigati field office	15	2
4	Pond culture & nursery	24-25/04/02	Shekhathi field office	20	2
5	Pond culture & nursery	15-16/05/02	Jheneigati field office	17	2
6	Pond culture & nursery	05-6/05/02	Shekhathi field office	23	2
7	Pond culture & nursery	23-24/03/03	Shekhathi field office	14	2
8	Pond nursery	11-12/05/03	Jheneigati field office	17	2
9	GIFT Tilapia culture	19-20/06/02	Mymensingh Region	25	2
Total				174	
1	Pen culture	20-21/06/02	Jheneigati field office	14	2
2	Pen culture	9/7/2002	Shekhathi field office	8	1
Total				22	
1	Cage culture	21-23/05/01	Shekhathi field office	16	3
Total				16	
1	Plant nursey	20-21/06/01	Shekhathi field office	16	
2	Plant nursey	09-11/04/02	Mymensingh Region	20	
Total				36	
1	Tree care & managem	8/5/2002	Jheneigati field office	18	1
2	Tree care & managem	7/5/2002	Tinani field office	13	1
3	Tree care & managem	8/6/2002	Jheneigati field office	14	1
4	Tree care & managem	9/6/2002	Shekhathi field office	5	1
5	Tree care & managem	16/05/02	Shekhathi field office	16	1
Total				66	
1	Wheat cultivation	5/11/2000	Tinani field office	18	1
2	Wheat cultivation	13/11/01	Jheneigati field office	22	1

**Training report of Resource User Group members
MACH project, Caritas**

Appendix : 8

Site : Sherpur

Sl	Name of training	Date	Venue	Participants (no)	Training duration (days)
4	Wheat cultivation	14/11/01	Shekhathi field office	26	1
3	Wheat cultivation	30/10/02	Jheneigati field office	14	1
5	Wheat cultivation	31/10/02	Shekhathi field office	15	1
Total				95	
1	Vegetable cultivation	11-12/10/00	Tinani field office	27	2
2	Vegetable cultivation	25-26/10/00	Tinani field office	29	2
3	Vegetable cultivation	9-10/10/01	Tinani field office	20	2
4	Vegetable cultivation	4-5/11/01	Tinani field office	30	2
5	Vegetable cultivation	8-9/11/01	Tinani field office	26	2
6	Vegetable cultivation	5-6/11/01	Shekhathi field office	30	2
7	Vegetable cultivation	10-11/11/01	Shekhathi field office	29	2
8	Vegetable cultivation	18-19/03/02	Tinani field office	21	2
9	Vegetable cultivation	1-2/10/02	Tinani field office	14	2
10	Vegetable cultivation	20-21/03/02	Shekhathi field office	20	2
11	Vegetable cultivation	6-7/10/02	Shekhathi field office	14	2
12	Vegetable cultivation	16-17/03/03	Shekhathi field office	15	2
13	Vegetable cultivation	19-20/03/03	Jheneigati field office	14	2
14	Vegetable cultivation	14/05/03	Jheneigati field office	21	1
Total				310	
1	Vocational (trade base	1/701-1/6/02	Trade school, Haluagha	10	365
2	Vocational (trade base	01/01-30/12/02	Trade school, Haluagha	10	365
3	Vocational (trade base	01/01/03--	Trade school, Haluagha	10	365
Total				30	
1	Entrepreneurship	13-17/01/02	Mymensingh Region	8	5
2	Entrepreneurship	16-20/03/02	Mymensingh Region	12	4
3	Entrepreneurship	18-21/05/02	Mymensingh Region	13	4
4	Entrepreneurship	3-Mar	Mymensingh Region	21	4
Total				54	
1	Conflict resulation	22-24/04/02	Mymensingh Region	20	3
Total				20	

**Training report of Resource User Group members
MACH project, Caritas**

Appendix : 8

Site : Sherpur

Sl	Name of training	Date	Venue	Participants (no)	Training duration (days)
1	Organization Developn	22-24/04/02	Mymensingh Region	30	3
2	Organization Manager	18-19/06/02	Mymensingh Region	41	2
3	Organization Developn	June, 2003	Mymensingh Region	20	2
Total				91	
1	Adult education	2-May	Mymensingh Region	10	10
2	Adult education	2-Dec	Mymensingh Region	10	10
Total				20	
1	Drama on wetland	19-21/06/02	Mymensingh Region	18	3
Total				18	
1	Development allies	11-12/06/01	Mymensingh Region	29	2
2	Development allies	15-19/07/01	CDI, Dhaka	14	5
3	Development allies	11-12/08/01	Mymensingh Region	27	2
Total				70	

Total training Batch	331 Participants	6,374
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List of MACH Staff training :

SI	Name of Training	No. of Participants	Duration (Day)	Venue	Source
01	Project Orientation	17	5	Sherpur site office	Caritas Development Institute (CDI)
02	Trainer training on Summer vegetable demonstration	02	2	AVRDC-BARI	AVRDC-BARI
03	Group strengthening	15	3	Caritas Dhaka R.	Caritas Dhaka R.
04	Cage culture	04	5	MACH taltali training center	CARE-FIVDB
05	TOT on Wheat cultivation	10	01	MACH taltali training center	CYMMIT
06	Participatory Rural Appraisal (PRA)	15	05	Jalchatra, Tangail	Caritas Development Institute (CDI)
07	CARITAS philosophy	05	02	CDI, Maleybag, Dhaka	Caritas Development Institute (CDI)
08	Gender & Development	15	05	CDI, Maleybag, Dhaka	Caritas Development Institute (CDI)
09	Data collection of Vegetables Demonstration & Homestead gardening	01	01	AVRDC	AVRDC
10	Project Orientation	11	02	Sreemongal & Kaliakoir	MACH
11	TOT on Wheat cultivation	10	01	Sreemongal site	CYMMIT
12	Cage fish culture	08	03	Sreemongal site	CARE-CAGES project
13	TOT on Resources awareness	14	03	Sreemongal & Kaliakoir site office	CNRS
14	Healthcare & Nutrition	12	03	NFP, Caritas Mirpur	CH-NFP
15	Project planning and Management	06	05	CDI, Maleybag, Dhaka	Caritas Development Institute (CDI)
16	Training of Trainers	02	10	CDI, Maleybag, Dhaka	Caritas Development Institute (CDI)
17	Sustainable pond aquaculture	05	03	BRAC tark, Sreemongal	BRAC-ICLARM
18	Overseas training cum exposure tour	05	15	Krishi Vygayan Kendra, India	Krishi Vygayan Kendra
19	Cow rearing & fattening	04	02	Taltoli, Kaliakoir	Upazila livestock Depart.
20	Nursery & Woodlot Management	05	03	Sherpur site office	MACH-CNRS
21	Cage fish culture	05	03	Sherpur Field office	CARE- Cages project
22	Nursery establishment & Management	04	02	Sherpur Field office	Caritas-MACH
23	Pond fish culture	08	02	Sherpur Field office	Caritas - MACH
24	Pond fish culture	04	02	Taltoli, Kaliakoir	Caritas-MACH
25	Pond fish culture	08	02	Sreemongol site office	Caritas -MACH
26	Human rights & Justice	01	03	Caritas Dhaka Region	CDI, Dhaka
27	Facilitation skill development	19	01	Three Sites office	MACH – CNRS
28	Year round Vegetable cultivation	09	02	Three Sites office	Caritas - MACH
29	Nursery establishment & Management	06	03	Kaliakoir & Sreemongol	Caritas - MACH
30	Project orientation and Gender issue	20	05	Caritas Mymensingh	CDI
31	Micro – Entrepreneurship	05	05	CDI training room	CDI, Dhaka
32	Basic Training on plantation	11	01	Three Sites office	MACH
33	Strengthening local institutions (in two batches)	12	03	Sreemongal and Sherpur	MACH-CNRS
34	Accounts keeping	16	03	Caritas Dhaka Region	CARITAS
35	Human rights, peace and justice (in two batches)	10	03	Caritas Dhaka & Mymensingh Region	CARITAS
36	Spiritual development (in two batches)	09	03	Caritas Dhaka Region	CARITAS
37	Small micro-entrepreneurship (in two batches)	03	05	Sreemongal, CDI, Dhaka	Caritas Development Institute
38	Tree plantation (three batches)	13	01	Sreemongal & Sherpur	MACH project
39	Training of trainers (ToT)	04	08	CDI, Dhaka	Caritas Development Institute
40	Trade based skill development	01	05	Caritas Mymensingh Region	Caritas Development Institute
41	Drama on wetland resources management	01	05	Caritas Mymensingh Region	Caritas Development Institute
42	Designing sustainable projects & writing quality proposal	01	05	Caritas Development Institute	CDI & Care, Bangladesh
43	Tree plantation and Management	1 (AEO)	02	Boroibari MACH Office	MACH-CNRS
44	Improve management of Lemon gardening	1 (AEO)	03	Horticulture Center, Moulvibazer	BARI
45	Accounts keeping & monitoring	1 (Jr. FA)	03	Mymensingh Region	CDI
Total participants		339			

Appendix-9
Awareness Sessions including number of
attendees

Awareness Program by MACH
Summary statement
Number of Participants of different Activities

Sl. No.	Activities/Tasks	HH Sites		TB Sites		KM Sites		All Total (3 Sites)	
		Caritas	CNRS	Caritas	CNRS	Caritas	CNRS	Caritas	CNRS
1.	Introductory meeting:								
	• Uthan boithak/Para	170(5,595)	118 (5,260)	176(4,009)	91 (3,659)	137(4,633)	272 (3,929)	483(14,237)	481 (12,848)
	• Village Meetings/Programs	-	141 (5,275)	14(2,969)	90 (5,548)	38(7,125)	162 (5,602)	52(10,094)	393 (16,425)
	• UP, Upazilla and District level meetings	3(1,950)	20 (456)	2(861)	13 (324)	6(4,500)	11 (507)	11(7,311)	44 (1,287)
2.	School level programs	-	5 (1,727)	-	1 (500)	-	2 (200)	-	8 (2,427)
3.	School level Class Session	-	-	-	226 (631)	-	58 (162)	-	284 (793)
4.	Day observance/Art & Quiz competition/Fish week (Fish Fortnight)/Field day	15(8,150)	16 (9,769)	4(2,481)	13 (7,145)	6(4,020)	13 (9,400)	25(14,651)	42 (26,314)
5.	Boul Song, Video Shows and community miking	29(21,921)	93 (24,974)	40(25,388)	40 (1,4017)	40(48,099)	38 (27,747)	109(95,408)	171 (66,738)
6.	Knowledge Sharing community level among GO/NGOs/workshop	-	18 (65)	-	25 (1,590)	-	2 (469)	-	45 (2,124)
7.	Village Level Meetings (Watershed Management)	-	77 (715)	-	-	-	-	-	77 (715)
8.	Exhibition in Fair	-	3 (14,445)	-	2 (5,738)	-	2 (14,893)	-	7 (35,076)
Total		217(37,616)	491 (62,686)	236(35,708)	501(39,152)	227(68,377)	560 (62,909)	680(141,701)	1,552 (164,747)

Note: Number of participants is in parenthesis

Awareness Program by MACH-CNRS

Summary statement

Number of Participants of different Activities

Sl. No.	Activities/Tasks	HH Sites		TB Sites		KM Sites		All Total (3 Sites)	
		Jan.'03-Aug.'03	Since inception Upto August'03	Jan.'03-Aug.'03	Since inception Upto August'03	Jan.'03-Aug.'03	Since inception Upto August'03	Jan.'03-Aug.'03	Since inception Upto August'03
1.	Introductory meeting:								
	• Uthan boithak/Para	33 (925)	118 (5,260)	10 (265)	91 (3,659)	75 (1,011)	272 (3,929)	118 (2,201)	481 (12,848)
	• Village Meeting	16 (465)	141 (5,275)	9 (660)	90 (5,548)	69 (1,552)	162 (5,602)	94 (2,677)	393 (16,425)
	• UP, Upazilla and District level meeting	3 (85)	20 (456)	2 (64)	13 (324)	3 (290)	11 (507)	8 (439)	44 (1,287)
2.	School level program	4 (552)	5 (1,727)	-	1 (500)	-	2 (200)	4 (552)	8 (2,427)
3.	School level Class Session	-	-	10 (253)	226 (631)	26 (155)	58 (162)	36 (408)	284 (793)
4.	Day observance/Art & Quiz competition/Fish week (Fish Fortnight)	4 (2,900)	16 (9,769)	3 (2,415)	13 (7,145)	2 (1,700)	13 (9,400)	9 (7,015)	42 (26,314)
5.	Boul Song, Video Shows and community miking	77 (8,993)*	93 (24,974)	25 (8,400)*	40 (1,4017)	21 (3,759)*	38 (27,747)	123 (21,152)	171 (66,738)
6.	Knowledge Sharing community level among GO/NGOs/workshop	-	18 (65)	14 (1,446)	25 (1,590)	2 (469)	2 (469)	16 (1,915)	45 (2,124)
7.	Village Level Meeting (Watershed Management)	9 (65)	77 (715)	-	-	-	-	9 (65)	77 (715)
8.	Exhibition in Fair	-	3 (14,445)	-	2 (5,738)	-	2 (14,893)	-	7 (35,076)
Total		146 (13,985)	491 (62,686)	73 (13,503)	501(39,152)	198 (8,936)	560 (62,909)	417 (36,424)	1,552 (1,64,747)

Note: Number of participants is in parenthesis

* Only video show

Awareness Program by MACH-CARITAS

Summary statement

Number of Participants of different Activities

Sl. No.	Activities/Tasks	HH	TB	KM	All Sites
		Caritas	Caritas	Caritas	Caritas
1.	Introductory meeting:				
	• Uthan boithak/Para	170(5,595)	176(4,009)	137(4,633)	483(14,237)
	• Village Meetings/Programs	-	14(2,969)	38(7,125)	52(10,094)
	• UP, Upazilla and District level meetings	3(1,950)	2(861)	6(4,500)	11(7,311)
2.	Day observance/Art & Quiz competition/Fish week (Fish Fortnight)/Field day	15(8,150)	4(2,481)	6(4,020)	25(14,651)
3.	Drama, Video Shows and community miking	29(21,921)	40(25,388)	40(48,099)	109(95,408)
Total		217(37,616)	236(35,708)	227(68,377)	680(141,701)

Note: Number of participants is in parenthesis

**Information on Awareness Raising Campaign
MACH project, Caritas
Hail Haor, Sreemongol Site**

Reporting period : June 1999

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Union Parishad level program	5/6/1999	Vunobir Dasorat High School, Vunobir	1500	World environmental day observance

1500

Reporting period : July 1999

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Union Parishad level program	5/7/1999	Fajjur Rhaman Government Primary School, Hajipur, Kalapur	1500	MACH project introduction ; goal & objectives

1500

Reporting period : March 2000

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Village level program	22/3/00	Hajipur, Kalapur	300	Field day on Wheat cultivation demo.
2	Village level program	23/3/00	Bolasir, Kalapur	300	Field day on Wheat cultivation demonstration.

600

Reporting period : June 2000

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Union Parishad level program	6/6/2000	Rustampur Government Primary School, Rustampur, Vunobir	1000	World environmental day observance

1000

Reporting period : January 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	5/1/2001	Paschim Sreemongol, Sreemongol	35	Goal & objectives of MACH project
2	Para level program	5/1/2001	Uttar Uttarsur, Sreemongol	37	Goal & objectives of MACH project & motivation for IGA
3	Para level program	13/1/01	Uttar Uttarsur, Sreemongol	42	Goal & objectives of MACH project & motivation for IGA
4	Para level program	18/1/01	Kalapur Field Office, Kalapur	30	Goal, objectives & role of RUG
5	Para level program	26/1/01	Mordonal, Nazirabad	28	Goal & objectives of MACH project
6	Para level program	27/1/01	Anikali Boro, Gyasnagar	37	Goal & objectives of MACH project
7	Para level program	30/1/01	Paschim Varaura, Sreemongol	25	Goal & objectives of MACH project

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Reporting period : February 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	2/2/2001	Gram Sreemongol, Gyasnagar	33	Awareness on wetland resources
2	Para level program	10/2/2001	Mordonal, Nazirabad	40	Goal & objectives of MACH project
3	Para level program	10/2/2001	Gram Sreemongol, Gyasnagar	27	Awareness on wetland resources & goal & objectives of MACH
4	Para level program	14/2/01	Jatapur, Nazirabad	29	Awareness on wetland resources & goal & objectives of MACH
5	Village level program	2/2/2001	Bolasir Bazar, Mirzapur	1400	Drama on wetland resource management

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Hail Haor, Sreemongol Site**

6	Village level program	3/2/2001	Satgao Bazar, Vunobir	1600	Drama on wetland resource management
7	Village level program	4/2/2001	Sarkar Bazar, Vunobir	900	Drama on wetland resource management
8	Village level program	5/2/2001	Krishi Mela, Sreemongol Upazila Parishad	400	Drama on wetland resource management
9	Village level program	8/2/2001	Mirzapur Bazar, Mirzapur	1000	Drama on wetland resource management
10	Village level program	9/2/2001	Vimsi Babur Bazar, Vunobir	1700	Drama on wetland resource management
11	Village level program	10/2/2001	Motigong Bazar, Vunobir	1000	Drama on wetland resource management
12	Village level program	11/2/2001	Jibangong Bazar, Vunobir	1200	Drama on wetland resource management
13	Village level program	12/2/2001	Gyasnagar Bazar, Gyasnagar	800	Drama on wetland resource management
14	Village level program	13/2/01	Atghar Bazar, Nazirabad	900	Drama on wetland resource management
15	Village level program	13/2/01	Gobindapur Bazar, Nazirabad	600	Drama on wetland resource management

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Reporting period : March 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	26/3/01	Banika, Gyasnagar	37	Goal & objectives of MACH project
2	Para level program	29/3/01	Motigong, Ashidron	32	Goal & objectives of MACH project & difference of MACH among other NGOs
3	Para level program	30/3/01	Anikali Boro, Gyasnagar	18	Goal & objectives of MACH project & motivation for IGA
4	Para level program	31/3/01	Paschim Varaura, Sreemongol	34	Goal & objectives of MACH project & motivation for IGA
5	Village level program	20/3/01	Jatrapasa, Mirzapur	200	Field day on Wheat cultivation demonstration.
6	Village level program	27/3/01	Bilasher Par, Ashidron	200	Field day on Wheat cultivation demonstration.
7	Village level program	31/3/01	Vimsi, Vunobir	200	Field day on Wheat cultivation demonstration.

721

Reporting period : April 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	3/4/2001	Anikali Boro, Gyasnagar	35	Motivation for group formation & savings regulation
2	Para level program	4/4/2001	Ghorachao, Nazirabad	28	Motivation for group formation & savings regulation
3	Para level program	23/4/01	Gandorbapur, Vunobir	24	Goal & objectives of MACH project
4	Para level program	23/4/01	Uttarsur, Sreemongol	30	Useful aspect of guti urea
5	Para level program	28/4/01	Paschim Varaura, Sreemongol	39	Motivation on poultry training & farming
6	Para level program	30/4/01	Motigong, Vunobir	19	Goal & objectives of MACH project & motivation for IGA
7	Village level program	24/4/01	Mirnagar, Kalapur	200	Field day on useful aspect of guti urea

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8	Village level program	25/4/01	Uttarsur, Sreemongol	200	Field day on useful aspect of guti urea
9	Village level program	27/4/01	Bade Alisha, Vunobir	200	Field day on useful aspect of guti urea
10	Village level program	29/4/01	Gondorbapur, Vunobir	200	Field day on useful aspect of guti urea

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Reporting period : May 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	13/5/01	Gyasnagar Union Parishad	30	Awareness raising on roadside plantation
2	Para level program	18/5/01	Nayansree, Gyasnagar	29	Awareness raising on roadside plantation
3	Para level program	21/5/01	Paschim Varaura, Sreemongol	32	Awareness raising on roadside plantation

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Reporting period : June 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	22/6/01	Nayansree Lamba Ati, Gyasnagar	36	Awareness raising on roadside plantation
2	Para level program	20/6/01	Boruna Migar Ati, Kalapur	25	Harmful effect of excess fishing
3	Para level program	30/6/01	Boruna, Kalapur	37	Primary health care
4	Para level program	27/6/01	Sabujbug, Sreemongol	32	Awareness raising on roadside plantation
5	Union Parishad level program	7/6/2001	Darikapal Mohila Collage, Sreemongol	2000	World environmental day observance

2130

Reporting period : July 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	1/7/2001	Sabujbug, Sreemongol	40	Awareness raising on roadside plantation

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Reporting period : August 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	30/8/01	Hajipur, Kalapur	46	Motivation on IGA
2	Para level program	18/08/01	Jatrapasa, Mirzapur	55	

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Reporting period : September 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	10/9/2001	Boruna, Kalapur	32	Motivation on adult education
2	Para level program	22/9/01	Boruna, Kalapur	34	Awareness on arsenic
3	Para level program	29/9/01	Anikalibuda, Gyasnagar	38	Awareness on arsenic

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Reporting period : October 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Oct. 15	Dhakkin Boruna, Kalapur	37	Awareness on arsenic
2	Para level program	Oct. 16	Hajipur, Kalapur	41	Motivation on adult education

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Reporting period : November 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Nov. 10	Hajipur, Kalapur	36	
2	Para level program	Nov. 11	Gram Sreemongol, Gyasnagar	38	

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Reporting period : December 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Dec. 02	Sabujbug, Sreemongol	40	Motivation on IGA
2	Para level program	Dec. 05	Hajipur, Kalapur	40	
3	Para level program	Dec. 12	Amanathpur, Ashidron	36	

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Reporting period : January 2002

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Jan. 03	Vimsi, Vunobir	29	
2	Para level program	Jan. 05	Kalapur Field Office, Kalapur	34	
3	Para level program	Jan. 09	Anikali Boro, Gyasnagar	19	
4	Para level program	Jan. 10	Motigong, Ashidron	36	
5	Para level program	Jan. 13	Sreemongol site office	27	
6	Para level program	Jan. 15	Bade Alisha, Vunobir	27	
7	Para level program	Jan. 18	Hajipur, Kalapur	24	
8	Para level program	Jan. 20	Uttar Uttarsur, Sreemongol	31	
9	Para level program	Jan. 23	Mirzapur Field Office	21	
10	Para level program	Jan. 25	Hajipur, Kalapur	35	
11	Para level program	Jan. 26	Hajipur, Kalapur	25	

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Reporting period : February 2002

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Feb. 06	Kalapur Field Office, Kalapur	32	
2	Para level program	Feb. 12	Boruna, Kalapur	19	
3	Para level program	Feb. 14	Motigong, Ashidron	37	
4	Para level program	Feb. 14	Paschim Varaura, Sreemongol	25	
5	Para level program	Feb. 18	Sabujbug, Sreemongol	36	
6	Para level program	Feb. 23	Anikali Boro, Gyasnagar	23	

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Reporting period : March 2002

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Mar. 04	Hajipur, Kalapur	26	

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2	Para level program	Mar. 08	Kalapur Field Office, Kalapur	27	
3	Para level program	Mar. 11	Vimsi, Vunobir	37	
4	Para level program	Mar. 20	Amanathpur, Ashidron	21	

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Reporting period : April 2002

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Apr. 07	Hajipur	34	Benefit of savings
2	Para level program	Apr. 10	Rajanigondha samity	26	
3	Para level program	Apr. 10	Gondorbapur, Vunobir	38	
4	Para level program	Apr. 13	Vunobir	28	Pure drnking water, Plantation
5	Union level program	Apr. 22	Gyasnagar Union Parishad	234	
6	Union level program	Apr. 19	Jatrapasa, Mirzapur	216	

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Reporting period : May 2002

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	May. 10	Amanathpur, Ashidron	36	
2	Para level program	May. 13	Hajipur, Kalapur	26	
3	Para level program	May. 16	Hajipur, Kalapur	23	
4	Para level program	May. 30	Rajpara, Vunobir	39	

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Reporting period : June 2002

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Jun. 06	Undarpar Ashidron	26	
2	Para level program	Jun. 15	Boruna, Kalapur	26	
3	Para level program	Jun. 19	Hajipur, Kalapur	25	
4	Para level program	Jun. 20	Boruna, Kalapur	24	
5	Para level program	Jun. 20	Caritas TS, Sreemongol	28	
6	Para level program	Jun. 20	Hajipur, Kalapur	35	
7	Para level program	Jun. 22	Emam Para, Vunobir	36	
8	Para level program	Jun. 22	Jatrapasa, Mirzapur	31	
9	Para level program	Jun. 23	Kaliargao, Gyasnagar	22	
10	Para level program	Jun. 25	Jatrapasa, Mirzapur	38	
11	Para level program	Jun. 27	Anikali Boro, Gyasnagar	26	
12	Para level program	Jun. 29	Sharsri, Mirzapur	34	
13	Para level program	Jun. 29	Undarpar Ashidron	35	
14	Annaul rally/Upazila level	Jun. 30	Sreemongol Sadar	750	

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Reporting period : July 2002

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Jul. 01	Rupnagar, Hajipur	30	
2	Para level program	Jul. 11	Varaura, Sreemongal	43	
3	Para level program	Jul. 14	Manikhaor, Najirabad	42	
4	Para level program	Jul. 27	Maddha Boruna, Kalapur	25	
5	Para level program	Jul. 30	Dash Khania, Najirabad	40	
6	Para level program	Jul. 31	Manikhaor, Najirabad	27	

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Reporting period : Aug. 2002

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Aug. 15	Kaliargaown, Gyasnagar	22	Haor resources
2	Para level program	Aug. 18	Atghar, Najirabad	22	Sanctuary
3	Para level program	Aug. 20	Pachaun, Mirzapur	41	
4	Para level program	Aug. 21	Hajipur, Kalapur	30	Homesetad resources
5	Para level program	Aug. 27	Dash Khania, Najirabad	30	

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Reporting period : Sept. 2002

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Sept. 08	Hajipur, Kalapur P. School	25	Education
2	Para level program	Sept. 08	Boruna, Kalapur P. School	110	Education
3	Para level program	Sept. 11	Kalapur Field Office	42	
4	Para level program	Sept. 15	Ranavim, Gyasnagar	17	
5	Para level program	Sept. 21	Mardanhil, Najirabad	45	
6	Para level program	Sept. 28	Hajipur, Kalapur	38	RMO

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Reporting period : October 2002

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para Level Program	Oct. 08	W. Varaura, Sreemangal	29	Sustainability of RUG
2	Para Level Program	Oct. 12	Mardanhil, Nazirabad	36	Vegetable cultivation
3	Para Level Program	Oct. 21	Kalapur Field Office	40	Loan for AIGA
4	Para Level Program	Oct. 26	Baruna, Kalapur	41	Sustainability of RUG
			Total	146	

Reporting period : November 2002

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para Level Program	Nov. 01	Sabujbag, Sreemangal	42	RUG inclusion in RMO
2	Para Level Program	Nov. 19	Daskahnia, Nazirabad	37	RUG inclusion in RMO
3	Para Level Program	Nov. 26	Baruna, Kalapur	35	Relationship RUG & RMO
4	Para Level Program	Nov. 27	Banika, Giasnagar	21	Sustainability of RUG
5	Para Level Program	Nov. 28	Rupnagar, Kalapur	18	Family Planing
6	Para Level Program	Nov. 30	Shaharsree, Mirzapur	30	Sustainability of MACH Project

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Reporting period : December 2002

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para Level Program	Dec. 04	Anikaliboro, Giasnagar	21	RMO activities
2	Para Level Program	Dec. 09	Udnarpar, Ashidrone	33	Motivation on Savings
3	Para Level Program	Dec. 20	Hazipur, Kalapur	27	Skill Development for AIGA
4	Para Level Program	Dec. 22	Nairabad	34	Savings and AIGA
5	Para Level Program	Dec. 22	Rustampur, Bhunobir	40	Group formation
6	Para Level Program	Dec. 29	Baruna, Kalapur	28	Dewatering of beel

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Reporting period : January 2003

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para Level Program	Jan. 03	Rustampur, Bhunobir	42	Rules regarding RUG
2	Para Level Program	Jan. 14	Bilasher Par, Ashidrone	37	Importance of savings
3	Para Level Program	Jan. 15	Jatarpur, Nazirabad	25	Savings and AIG
4	Para Level Program	Jan. 25	Bhunabir	40	Goals of MACH Project
5	Para Level Program	Jan. 30	Baruna, Kalapur	46	AIGA

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Reporting period : February 2003

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para Level Program	Feb. 09	Baruna, Kalapur	30	Adult education
2	Para Level Program	Feb. 10	Uttarshur, Sreemangal	34	Adult education
3	Para Level Program	Feb. 22	Hazipur, Kalapur	42	Resource awareness
4	Para Level Program	Feb. 22	Shaharsree, Mirzapur	35	AIGA
5	Para Level Program	Feb. 25	Rajpara, Bhunobir	42	Savings and AIGA
6	Village level program	18/02/03	UTDC hall , Sreemongal	95	Drama show on MACH approach
7	Village level program	19/02/03	Uttarshur, Sreemangal	550	Drama show on MACH approach
8	Village level program	19/02/03	Shahjibazer	300	Drama show on MACH approach
9	Village level program	20/02/03	Paschim Sreemongal	460	Drama show on MACH approach
10	Village level program	20/02/03	Paschim Varaura	350	Drama show on MACH approach
11	Village level program	21/02/03	Layerkul, Bhunobir	635	Drama show on MACH approach
12	Village level program	21/02/03	Satgoan	1050	Drama show on MACH approach
13	Village level program	22/02/03	Badealisha	870	Drama show on MACH approach
14	Village level program	22/02/03	Jibongong bazer	700	Drama show on MACH approach
15	Village level program	23/02/03	Vimshi, Vunobir	550	Drama show on MACH approach
16	Village level program	23/02/03	Bolashir, Vunobir	600	Drama show on MACH approach
17	Village level program	24/02/03	Mirzapur Bazer	650	Drama show on MACH approach
18	Village level program	24/02/03	Pachaun, Mirzapur	600	Drama show on MACH approach
19	Village level program	25/02/03	Gobindapur Bazer, Nazirabad	478	Drama show on MACH approach
20	Village level program	25/02/03	Atghar Bazer	736	Drama show on MACH approach
21	Village level program	26/02/03	Rustampur,	938	Drama show on MACH approach
22	Village level program	26/02/03	Shamsergong	500	Drama show on MACH approach
23	Village level program	27/02/03	Kalapur	359	Drama show on MACH approach

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Reporting period : March 2003

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para Level Program	Mar.15	Hazipur, Kalapur	48	Adult education
2	Para Level Program	Mar.22	Mordanhal, Nazirabad	42	BRMO formation
3	Para Level Program	Mar.27	Hazipur, Kalapur	35	Importance of BRMO
4	Para Level Program	Mar.28	Motigonj, Bhunobir	46	Adult education
5	Para Level Program	Mar.29	Kashipur, Mirzapur	41	Adult education
6	Para Level Program	Mar.31	Alipur, Ashidrone	45	Groups and AIGA
7	Annual rally	Mar.20	Boruna, Kalapur	500	RUG annual gathering

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Reporting period : April 2003

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para Level Program	Aprl.03	Amanatpur, Ashidrone	40	Importance of savings
2	Para Level Program	Aprl.04	Lalbag, Sreemangal	39	Reource awareness
3	Para Level Program	Aprl.07	Hazipur, Kalapur	38	Sanctuary
4	Para Level Program	Aprl.10	Hazipur, Kalapur	40	Skill development and AIGA
5	Para Level Program	Aprl.15	Motigonj, Ashidrone	41	Plantation
6	Para Level Program	Aprl.27	Baruna, Kalapur	45	Skill development and AIGA
7	Para Level Program	Aprl.28	Lamapara, Mirzapur	41	Savings and AIGA
8	Para Level Program	Aprl.29	Kalapur Field Office	34	Skill development and AIGA
9	Annual rally	Apr. 12	Boulashir, Mirzapur	400	RUG annual gathering

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Reporting period : May 2003

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para Level Program	May.07	Gandharbapur, Bhunobir	39	Health and savings awareness
2	Para Level Program	May.08	Baroiuri, Nazirabad	40	BRMO
3	Para Level Program	May.11	Atghar, Nazirabad	40	Rules of RUG
4	Para Level Program	May.13	Ghorachaw, Nazirabad	40	BRMO
5	Para Level Program	May.20	Mordanhal, Nazirabad	57	BRMO
6	Para Level Program	May.20	W. Varaura, Sreemangal	38	AIGA
7	Para Level Program	May.22	Baroiuri, Nazirabad	20	Formation of RUG
8	Para Level Program	May.24	Hazipur, Kalapur	37	Adult education
9	Para Level Program	May.28	Banika, Giasnagar	33	AIGA
10	Para Level Program	May.28	Kalapur Field Office	32	Development allies

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Reporting period : June 2003

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para Level Program	Jun. 03	Anikalibuda, Giasnagar	30	Illegal fishing
2	Para Level Program	Jun. 18	Manik Haor, Nazirabad	36	AIGA
3	Para Level Program	Jun. 20	Baroiuri, Nazirabad	20	Formation of RUG
4	Para Level Program	Jun. 21	Udnarpar, Ashidrone	42	Importance of savings & credit
5	Para Level Program	Jun. 21	Bhunobir	39	Plantation
6	Para Level Program	Jun. 24	Baruna, Kalapur	30	BRMO

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Reporting period : July 2003

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para Level Program	Jul. 12	Baruna, Kalapur	22	Group
2	Para Level Program	Jul. 14	Rupnagar, Kalapur	23	Family planning
3	Para Level Program	Jul. 16	Hazipur, Kalapur	14	BRMO
4	Para Level Program	Jul. 23	Atghar, Nazirabad	35	Plantation
5	Para Level Program	Jul. 28	Baruna, Kalapur	17	BRMO

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6	Para Level Program	Jul. 31	Mirzapur Field office	31	Development allies
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Reporting period : August 2003

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	4/8/2003	Pachim Sreemongal	25	
2	Para level program	12/8/2003	Pachim Varaura	25	
3	Para level program	20/8/03	Pachim Varaura	19	
4	Para level program	21/08/03	Ronovim	16	
5	Para level program	27/08/03	Ronovim	16	
6	Para level program	16/08/03	Boruna	22	
7	Para level program	27/08/03	Boruna	15	
8	Para level program	30/08/03	Udnarpar	33	

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Summary of HH

	Total program	217	Participants	37616	
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Reporting period : May, 99

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Union Parishad level progra	16/05/99	Mouchak	461	

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Reporting period : June 99

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	21/6/99	Gopinpur Majipara	20	

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Reporting period : July 99

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	20/7/99	Sinabaho Madhapara	17	
2	Para level program	20/7/99	Sinabaho Dhakkinpara	14	
3	Para level program	21/7/99	Sinabaho Paschimpara	21	
4	Para level program	24/7/99	Bastali Madhapara	18	
5	Para level program	25/7/99	Bastali Paschimpara	13	
6	Para level program	26/7/99	Bastali Purbopara	16	
7	Para level program	31/7/99	Gopinpur Majipara	15	
8	Village level program	29/7/99	Sinabaho	545	
9	Village level program	3/7/1999	Haturiachala	650	

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Reporting period : August 99

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	22/8/99	Solahati Hindupara	25	
2	Para level program	23/8/99	Solahati Purbopara	19	
3	Para level program	25/8/99	Solahati Dhakkinpara	24	
4	Para level program	28/8/99	Chouchakuri Uttarpara	22	
5	Para level program	29/8/99	Chouchakuri Dhakkinpa	21	
6	Para level program	29/8/99	Chouchakuri Purbopara	23	
7	Village level program	21/8/99	Chouchakuri Village	560	

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Reporting period : September 99

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	15/9/99	Bagambar Madhapara	14	
2	Para level program	16/9/99	Bagambar Purbopara	24	
3	Para level program	18/9/99	Bagambar Paschimpara	21	
4	Para level program	20/09/99	Taltai	32	

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Reporting period : October 99

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	1/10/1999	Haturiachala Vhuyapara	15	
2	Para level program	5/10/1999	Taltali Hindupara	23	
3	Para level program	6/10/1999	Taltali Madhapara	19	
4	Para level program	16/10/99	Haturiachala Vhuyapara	25	
5	Para level program	17/10/99	Haturiachala Uttarpara	17	
6	Para level program	22/10/99	Haturiachala Uttarpara	18	
7	Para level program	5/10/1999	Taltali Paschimpara	21	
8	Para level program	19/10/99	Amdair Jelapara	18	
9	Para level program	20/10/99	Amdair Dhakkinpara	13	
10	Para level program	21/10/99	Amdair Purbopara	20	
11	Para level program	19/10/99	Amdair Majpara	18	

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12	Village level program	4/10/1999	Taltali	505	
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Reporting period : November 99

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	8/11/1999	Ashariabari Jelapara	20	
2	Para level program	15/11/99	Ashariabari Jelapara	18	
3	Para level program	13/11/99	Vangar Jangal Jelapara	16	
4	Para level program	15/11/99	Vangar Jangal Madhapar	19	
5	Para level program	17/11/99	Vangar Jangal Uttarpara	12	

85

Reporting period : December 99

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	7/12/1999	Medi Ashulai Jelapara	15	
2	Para level program	14/12/99	Medi Ashulai Jelapara	23	
3	Union Parishad level progra	9/12/1999	Boali School Ground	427	

465

Reporting period : January 2000

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	1/1/2000	Derchala	21	
2	Para level program	15/01/00	Baniarchala	45	

66

Reporting period : February 2000

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	27/2/00	Derchala	17	
2	Para level program	29/2/00	Medi Ashulai Paschimpar	22	
3	Para level program	31/2/00	Medi Ashulai Paschimpar	16	

55

Reporting period : March 2000

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	5/3/2000	Betara Dhakkinpara	20	
2	Para level program	16/3/00	Amdair Hindupara	22	
3	Para level program	16/3/00	Amdair Uttarpara	24	
4	Union Parishad level progra	7/3/2000	Chapair Union Parishad	460	

526

Reporting period : May 2000

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	20/5/00	Betara Dhakkinpara	19	

19

Reporting period : July 2000

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	7/6/2000	Ajgana Uttarpara	21	
2	Para level program	21/6/00	Ajgana Uttarpara	17	
3	Para level program	26/6/00	Teckpara	20	
4	Para level program	28/6/00	Ajgana Dhakkinpara	15	
5	Union Parishad level progra	4/6/2000	Haturiachala School Gro	494	

567

Reporting period : July 2000

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	3/7/2000	Ajgana Dhakkinpara	23	
2	Para level program	4/7/2000	Kaliadhaha Madhapara	26	

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3	Para level program	5/7/2000	Kaliadhaha Purbopara	23	
4	Para level program	6/7/2000	Kaliadhaha Paschimpara	21	
5	Para level program	17/7/2000	Baniarchala	20	
6	Para level program	20/7/00	Baniarchala	18	
7	Para level program	24/7/00	Baniarchala	15	
8	Para level program	5/7/2000	Teckpara	19	
9	Para level program	8/7/2000	Haturiachala Purbopara	25	
10	Para level program	3/7/2000	Boali Banpara	23	
11	Para level program	15/7/00	Boali Banpara	22	
12	Para level program	20/7/00	Boali Majipara	25	
13	Para level program	25/7/00	Boali Majipara	15	
14	Para level program	28/7/00	Boali Bazer	12	

287

Reporting period : August 2000

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	15/8/00	Boali Bazer	15	
2	Para level program	16/8/00	Sutrapur Jelapara	18	
3	Para level program	19/8/00	Sutrapur Jelapara	21	
4	Para level program	24/8/00	Sutrapur Jelapara	17	
5	Para level program	25/8/00	Golachipa	12	
6	Para level program	30/8/00	Golachipa	18	

101

Reporting period : September 2000

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	25/9/00	Sinabaho Gaiderchala	31	
2	Para level program	26/9/00	Sinabaho Madhapara	14	
3	Para level program	27/9/00	Sinabaho Purbopara	13	
4	Para level program	1/9/2000	Vhuyapara	20	
5	Para level program	13/9/00	Vhuyapara	18	
6	Para level program	6/9/2000	Media Ashulai Uttarpara	24	
7	Para level program	13/9/00	Media Ashulai Uttarpara	16	
8	Para level program	21/9/00	Media Ashulai Uttarpara	21	
9	Para level program	25/09/00	Bagambar	32	
10	Para level program	29/09/00	Haturiachala	45	

234

Reporting period : October 2000

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	5/10/2000	Tan Boroibari	17	
2	Para level program	19/10/00	Tan Boroibari	18	
3	Para level program	24/10/00	Ajgana	46	
4	Para level program	26/10/00	Solahati	36	

117

Reporting period : November 2000

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	8/11/2000	Boroibari Majipara	20	
2	Para level program	22/11/00	Boroibari Majipara	25	
3	Para level program	24/11/00	Nama Boroibari	20	
4	Para level program	30/11/00	Nama Boroibari	18	
5	Para level program	12/11/2000	Hares Memberbari	30	
6	Para level program	22/11/00	Hares Memberbari	25	

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Reporting period : February 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Village level program	18/02/01	UNO Compound	762	Live drama show on MACH
2	Village level program	18/02/01	Taltali School Ground	712	Do
3	Village level program	19/02/01	Sinabaho School Ground	755	Do
4	Village level program	19/02/01	Bastali School Ground	640	Do
5	Village level program	20/02/01	Kouchakuri Village	589	Do
6	Village level program	20/02/01	Mazukhan Village	737	Do
7	Village level program	21/02/01	Amdair School Ground	722	Do
8	Village level program	21/02/01	Solahati School Ground	530	Do
9	Village level program	22/02/01	Boroibari Village	645	Do
10	Village level program	22/02/01	Boali Village	446	Do
11	Village level program	23/02/01	Roghunathpur School Gr	510	Do
12	Village level program	23/02/01	Golachipa School Ground	556	Do
13	Village level program	24/02/01	Medi Ashulai Union Office	520	Do
14	Village level program	24/02/01	Nama Ashulai School Gr	716	Do
15	Village level program	25/02/01	Beel Baria	620	Do

9460

Reporting period : March 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	8/3/2001	Aliarchala	15	
2	Para level program	14/3/01	Aliarchala	18	
3	Para level program	27/3/01	Solahati Hindupara	19	
4	Para level program	28/3/01	Solahati Dhakkinpara	21	
5	Para level program	17/03/01	Ajgana	26	
6	Para level program	30/03/01	Dairchala	51	

150

Reporting period : April 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	1/4/2001	Nama Ashulai Purbopara	23	
2	Para level program	19/4/01	Nama Ashulai Purbopara	17	
3	Para level program	21/4/01	Rashidpur	15	
4	Para level program	30/4/01	Rashidpur	25	

80

Reporting period : May 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	4/5/2001	Haturiachala (Paschim)	17	
2	Para level program	14/5/01	Haturiachala (Paschim)	18	
3	Para level program	5/5/2001	Beel Baria	14	
4	Para level program	8/5/2001	Beel Baria	27	
5	Para level program	15/5/01	Sinabaho	18	
6	Para level program	22/5/01	Sinabaho	23	

117

Reporting period : June 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	12/6/2001	Media Ashulai Chilartek	22	
2	Para level program	20/6/01	Media Ashulai Chilartek	18	
3	Para level program	21/6/01	Rashidpur Purbopara	25	

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Reporting period : July 2001

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Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	1/7/2001	Rashidpur Purbopara	46	
2	Para level program	8/7/2001	Ashariabari Paschimpara	20	
3	Para level program	15/7/01	Ashariabari Paschimpara	19	
4	Para level program	25/7/01	Modankhali Purbopara	20	
5	Para level program	30/7/01	Majukhan Jelapara	22	
6	Para level program	30/7/01	Majukhan Purbopara	18	
7	Para level program	31/7/01	Majukhan Paschimpara	23	
8	Para level program	31/7/01	Majukhan Uttarpara	21	

189

Reporting period : August 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	1/8/2001	Modankhali Purbopara	18	
2	Para level program	10/8/2001	Modankhali Paschimpara	20	
3	Para level program	23/8/01	Modankhali Paschimpara	42	

80

Reporting period : September 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	25/9/01	Kundakata Purbopara	18	
2	Para level program	28/09/01	Matikata	29	

47

Reporting period : October 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	7/10/2001	Kundakata Purbopara	23	
2	Para level program	17/10/01	Kundakata Paschimpara	44	
3	Para level program	28/10/01	Kundakata Paschimpara	40	

107

Reporting period : November 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	11/11/2001	Kanchanpur	16	
2	Para level program	22/11/01	Boro Kanchanpur	24	
3	Para level program	26/11/01	Boroibari	36	

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Reporting period : December 2001

SI	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	2/12/2001	Boro Kanchanpur	21	

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Reporting period : January 2002

SI	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Jan. 03	Suttrapur	19	
2	Para level program	Jan. 10	Suttrapur	41	
3	Village level program	Jan. 07	Majukhan	35	

95

Reporting period : February 2002

SI	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Feb. 11	Amdair	32	
2	Para level program	Feb. 24	Solahati	18	
3	Village level program	Feb. 11	Chouchacuri	32	

82

Reporting period : March 2002

SI	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Mar. 11	Boali	42	
2	Para level program	Mar. 18	Boali	38	
3	Village level program	Mar. 12	Majukhan	53	Awareness on plantation
4	Upazila level/Annual gathering	Mar. 31	Taltoli	1100	

1233

Reporting period : April 2002

SI	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Apr. 06	Namasulai	22	
2	Para level program	Apr. 15	Betara	26	
3	Para level program	Apr. 04	Modonkali	23	
4	Para level program	Apr. 11	Galachipa	21	
5	Para level program	Apr. 10	Boali	25	
6	Para level program	Apr. 24	Mediashulai	18	
7	Village level program	Apr. 23	Haturiachala-Sholahati	99	Awareness on plantation

234

Reporting period : May 2002

SI	Nature of program	Date	Venue	Participants attended	Remarks
1	Village level program	May. 06	Rashidpur	35	Group formation
2	Village level program	May. 23	Kanchanpur	30	Group formation
3	Village level program	May. 30	Kanchanpur	40	Awareness on plantation

105

Reporting period : June 2002

SI	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Jun. 20	Kutamoni	20	
2	Para level program	Jun. 23	Ajgana	22	
3	Para level program	Jun. 22	Bastali	25	
4	Para level program	Jun. 29	Kaliadhaho	20	

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Reporting period : July 2002

SI	Nature of program	Date	Venue	Participants attended	Remarks
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	None	None	None	None	
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Reporting period : Aug. 2002

Sl	Nature of program	Date	Venue	Participants attended	Remarks
	None	None	None	None	

Reporting period : Sept. 2002

12/237

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Sept. 01	Modankhali	19	
2	Para level program	Sept. 02	Sholahati	16	
3	Para level program	Sept. 06	Namaashulai	20	
4	Para level program	Sept. 08	Boroibari	21	
5	Para level program	Sept. 08	Taltoli	19	
6	Para level program	Sept. 09	Ratanpur	18	
7	Para level program	Sept. 10	Couchakori	20	
8	Para level program	Sept. 14	Vangarjangan	19	
9	Para level program	Sept. 15	Bagambar	23	
10	Para level program	Sept. 18	Majukhan	22	
11	Para level program	Sept. 29	Basholi	21	
12	Para level program	Sept. 30	Madiashulai	19	

237

Reporting period : October. 2002

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	5/10/2002	Haturiachala	23	Harmful affect of curent Jal
2	Para level program	20/10/02	Haturiachala	28	Do
3	Para level program	1/10/2002	Chatal Solahati	22	Female group fromation
4	Para level program	7/10/2002	Rashidpur	19	Female group fromation
5	Para level program	17/10/02	Kanchanpur	21	Resource management
6	Para level program	29/10/02	Chatal Solahati	20	

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Reporting period : November. 2002

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	5/11/2002	Bastoli	18	Harmful effect of curent Jal
2	Para level program	13/11/02	Bastoli	13	
3	Para level program	18/11/02	Baniarchala	19	
4	Para level program	25/11/02	Baniarchala	15	
5	Para level program	5/11/2002	Bowali bazer	20	
6	Para level program	5/11/2002	Bowali Paschimpara	15	
7	Village level program	19/11/02	Modankhali	155	
8	Village level program	21/11/02	Kanchanpur	150	

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Reporting period : December 2002

SI	Nature of program	Date	Venue	Participants attended	Remarks
	None	None	None	None	None

Reporting period : January 2003

SI	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level	12/1/2003	Solahati	40	Awareness on plantation
2	Para level	13/01/03	Sinaboho	40	Awareness on plantation
3	Para level	21/01/03	Chatal Solahati	40	Awareness on plantation

120

Reporting period : February 2003

SI	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level	19/02/03	Haturiachala	45	Awareness on plantation
2	Para level	26/02/03	Suttrapur	47	Awareness on plantation

92

Reporting period : March 2003

SI	Nature of program	Date	Venue	Participants attended	Remarks
1	Village level	6/3/2003	Kanchanpur	138	Awareness on plantation
2	Village level	22/03/03	Mazukhan Primary School	550	Live drama show on MACH approach
3	Village level	22/03/03	Amdair Primary School	950	Live drama show on MACH approach
4	Village level	23/03/03	Sinaboho school	650	Live drama show on MACH approach
5	Village level	23/03/03	Surichala village	1050	Live drama show on MACH approach
6	Village level	24/03/03	Ajgana Bazer	800	Live drama show on MACH approach
7	Village level	24/03/03	Kanchanpur primary school	350	Live drama show on MACH approach
8	Village level	25/03/03	Boroibari school ground	675	Live drama show on MACH approach
9	Village level	25/03/03	Bastali	625	Live drama show on MACH approach
10	Village level	26/03/03	Sutrapur	700	Live drama show on MACH approach
11	Village level	27/03/03	Rashidpur school	550	Live drama show on MACH approach
12	Village level	27/03/03	Shafipur primary school	400	Live drama show on MACH approach
13	Village level	27/03/03	Kaliakoir Bazer	650	Live drama show on MACH approach
14	Village level	29/03/03	Mediasulai UP ground	405	Live drama show on MACH approach
15	Village level	29/03/03	Namasulai Jelepura	650	Live drama show on MACH approach
16	Village level	29/03/03	Sayedpur primary school	900	Live drama show on MACH approach
17	Village level	30/03/03	Solahati primary school	575	Live drama show on MACH approach
18	Village level	31/03/03	Taltali Primary school	1100	Live drama show on MACH approach
19	Upazila level/Annual rally	30/03/03	Taltali Primary school	785	

12503

Reporting period : April 2003

SI	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level	21/04/03	Majukhan	40	Awareness on plantation
2	Para level	20/04/03	Kulurchala	40	Awareness on plantation
3	Village level	13/04/03	Solahati	80	Awareness on plantation
4	Village level	1/4/2003	Golachipa primary school	350	Live drama show on MACH approach
5	Village level	1/4/2003	Bowali school	775	Live drama show on MACH approach
6	Village level	1/4/2003	Cha Bagan bazer	1100	Live drama show on MACH approach
7	Village level	2/4/2003	Hatu vanga Bazer	475	Live drama show on MACH approach
8	Village level	2/4/2003	Kaliakoir UNO office	325	Live drama show on MACH approach
9	Village level	3/4/2003	UNO office Mirzapur	400	Live drama show on MACH approach
10	UP level	30/04/03	Ajgana	400	Goal & objectives of MACH project

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Reporting period : May 2003

SI	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level	12/5/2003	Solahati	58	

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Reporting period : June 2003

SI	Nature of program	Date	Venue	Participants attended	Remarks
	None		None	None	

Summary of TB site

Total Program	236	Participants	35,708	
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Reporting period : September 2000

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	18/9/00	Hasligao	32	
2	Para level program	29/9/00	Baniapara	36	
3	Village level program	2/9/2000	Hasligao	330	
4	Village level program	5/9/2000	Baniapara	435	
5	Village level program	10/9/2000	Julgao	430	
6	Union Parishad level	15/9/00	Malijee Kanda UP Ground	565	

1828

Reporting period : October 2000

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	19/10/00	Julgao	28	
2	Village level program	27/10/00	Sarikalinagar	430	
3	Union Parishad level	30/10/00	Dhansail UP Ground	772	

1230

Reporting period : November 2000

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	1/11/2000	Hasligao	32	
2	Para level program	11/11/2000	Hasligao	39	
3	Para level program	14/11/00	Julgao	30	
4	Para level program	22/11/00	Julgao	34	
5	Para level program	26/11/00	Sarikalinagar	35	
6	Para level program	30/11/00	Dariarpar	35	
9	Union Parishad level	20/11/00	Jhenaigati UP Ground	768	

973

Reporting period : December 2000

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	3/12/2000	Malijee Kanda	35	

35

Reporting period : January 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	15/1/01	Vatiapara	35	
2	Para level program	29/1/01	Sonaborkanda	36	
3	Union Parishad level	30/1/01	Pakuria	750	

821

Reporting period : February 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	7/2/2001	Baniapara	31	
2	Para level program	17/2/01	Tirsa	35	
3	Para level program	23/2/01	Changuria	24	
4	Para level program	30/2/01	Bakarkanda	35	

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Reporting period : March 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	8/3/2001	Dariarpar	35	
2	Para level program	10/3/2001	Pakuria	25	
3	Para level program	15/3/01	Protabia	27	
4	Para level program	20/3/01	Tatalpur	35	
5	Para level program	27/3/01	Tatalpur	35	
6	Para level program	30/3/01	Pakuria	35	
7	Para level program	2/3/2001	Darikalinager	29	

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8	Para level program	23/3/01	Changuria	28	
9	Para level program	24/03/01	Julgao	30	
10	Para level program	20/3/01	Khamarpara	30	
11	Village level program	18/3/01	Jhenaigati Upazila parish	455	Drama on wetland resource Management
12	Village level program	18/3/01	Kalibari Bazar, Chenguri	442	Drama on wetland resource Management
13	Village level program	19/3/01	Sherpur Upazila Parishad	435	Drama on wetland resource Management
14	Village level program	20/3/01	Dorikalinagar Primary Sc	445	Drama on wetland resource Management
15	Village level program	20/3/01	Hasligao Primary School	430	Drama on wetland resource Management
16	Village level program	21/3/01	Tirsa High School	435	Drama on wetland resource Management
17	Village level program	21/3/01	Degharpar	450	Drama on wetland resource Management
18	Village level program	22/3/01	Kanduli Primary School	375	Drama on wetland resource Management
19	Village level program	22/3/01	Dariarpar Primary Schoo	434	Drama on wetland resource Management
20	Village level program	23/3/01	Pakuria Union Parishad	450	Drama on wetland resource Management
21	Village level program	24/3/01	Baliachandi Primary Sch	436	Drama on wetland resource Management
22	Village level program	24/3/01	Balia Primary School	432	Drama on wetland resource Management
23	Union Parishad level	25/3/01	Sonaborkanda	680	Drama on wetland resource Management

6208

Reporting period : April 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	2/4/2001	Khamarpara	26	
2	Para level program	15/4/01	Digarpar	38	
3	Para level program	10/4/2001	Khamarpara	37	
4	Para level program	27/4/01	Digarpar	35	
5	Para level program	12/4/2001	Darikalinagar	35	
6	Village level program	6/4/2001	Khamarpara	432	
7	Village level program	15/4/01	Konagao	436	
8	Village level program	20/4/01	Matiapara	430	
9	Union Parishad level	11/4/2001	Mlijeekanda UP Ground	895	
10	Union Parishad level	20/4/01	Bakarkanda	750	

3114

Reporting period : May 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	3/5/2001	Darikalinagar	23	
2	Para level program	12/5/2001	Konagao	29	
3	Para level program	15/5/01	Matiapara	30	
4	Para level program	20/5/01	Baluchar	32	
5	Para level program	22/5/01	Kandapara	36	
6	Para level program	20/5/01	Kamaria	35	
7	Para level program	1/5/2001	Bakarkanda	32	
8	Village level program	8/5/2001	Kamaria	438	

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Reporting period : June 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	4/6/2001	Baluchar	25	
2	Para level program	26/6/01	Darikalinagar	32	
3	Para level program	12/6/2001	Matiapara	35	
4	Para level program	2/6/2001	Khamarpara	35	
5	Para level program	18/6/01	Sonaborkanda	35	
6	Para level program	12/6/2001	Khamarpara	30	
7	Para level program	27/6/01	Sonaborkanda	32	
8	Village level program	20/6/01	Katakhali	400	
9	Village level program	20/6/01	Konapara	369	
10	Village level program	20/6/01	Sonaborkanda	350	
11	Village level program	22/6/2001	Changunia	450	

1793

Reporting period : July 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	3/7/2001	Darikalinager	30	
2	Para level program	7/7/2001	Konapara	25	
3	Para level program	9/7/2001	Katakhali	31	
4	Para level program	12/7/2001	Changuria	32	
5	Para level program	4/7/2001	Martinpar	38	
6	Para level program	15/7/01	Gunai Mominkanda	22	
7	Para level program	20/7/01	Bade Teghoria	35	
8	Para level program	10/7/2001	Martinpar	37	
9	Para level program	29/7/01	Bade Teghoria	38	
10	Union Parishad level	2/7/2001	Pakuria	820	

1108

Reporting period : August 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	2/8/2001	Sarikalinagar	31	
2	Para level program	2/8/2001	Uttar Kanduli	30	
3	Para level program	22/8/01	Sarikalinagar	25	
4	Para level program	22/8/01	Hasligao	30	
5	Para level program	24/8/01	Darikalinagar	26	
6	Para level program	25/8/01	Chatal	32	
7	Para level program	26/8/01	Konagao	30	
8	Para level program	5/8/2001	Vatiapara	29	
9	Para level program	17/8/01	Protabia	35	

268

Reporting period : September 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	8/9/2001	Nonkesor	29	
2	Para level program	27/9/01	Konagao	30	
3	Para level program	10/9/2001	Haoraniz	27	

86

Reporting period : October 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	24/10/01	Chatal	25	
2	Para level program	15/10/01	Kandapara	33	

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Reporting period : November 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
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Information on Awareness Raising Campain
MACH project, Caritas
Kongsa - Malijee River Basin, Sherpur Site

1	Para level program	2/11/2001	Sarikalinagar	29	
2	Para level program	14/11/01	Khamarpara	30	
3	Para level program	4/11/2001	Haoraniz	25	
4	Para level program	17/11/01	Surjadi	27	
5	Para level program	25/11/01	Haoraniz	30	
6	Para level program	Oct. 15	Chatal	25	
7	Para level program	Oct. 24	Kandapara	33	

199

Reporting period : December 2001

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Nov. 11	Sarikalinagar	29	
2	Para level program	Nov. 14	Khamarpara	30	
3	Para level program	Nov. 04	Haoraniz	25	
4	Para level program	Nov. 17	Surjadi	27	
5	Para level program	Nov. 25	Haoraniz	30	

141

Reporting period : January 2002

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Jan. 03	Sonaborkanda	33	
2	Para level program	Jan. 26	Khamarpara	46	
3	Para level program	Jan. 16	Sharikalinagar	29	
4	Para level program	Jan. 08	Darikalinagar	40	
5	Para level program	Jan. 12	Baluchar	51	
6	Para level program	Jan. 15	Darikalinagar	29	
7	Para level program	Jan. 16	Mid kanduli	37	
8	Para level program	Jan. 18	Sharikalinagar	49	
9	Para level program	Jan. 20	Sharikalinagar	46	
10	Para level program	Jan. 01	Tatalpur	39	
11	Upazila level program	Jan. 30		677	Annual Gathering
12	Upazila level program	Jan. 31		623	Annual Gathering

1699

Reporting period : February 2002

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Feb. 14	Konagaown	19	
2	Para level program	Feb. 10	Darikalinagar	15	
3	Para level program	Feb. 12	Darikalinagar	27	
4	Para level program	Feb. 15	Darikalinagar	22	
5	Para level program	Feb. 16	Konagaown	25	
6	Para level program	Feb. 24	Maddhakanduli	28	

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Reporting period : March 2002

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Mar. 31	Gunoi Moninkanda	22	
2	Para level program	Mar. 31	Pakuria	28	
4	Village level program	Mar. 10	Chatal	195	
5	Village level program	Mar. 12	Chatal	126	
6	Village level program	Mar. 01	Kandapara	158	

529

Reporting period : April 2002

Information on Awareness Raising Campain
MACH project, Caritas
Kongsa - Malijee River Basin, Sherpur Site

SI	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Apr. 30	Kamaria	26	
2	Para level program	Apr. 04	Baniapara	28	
3	Para level program	Apr. 16	Bonga Chatal	31	

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Reporting period : May 2002

SI	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	May. 14	Kandapara	26	
2	Para level program	May. 28	Tilkandi	24	
4	Village level program	May. 10	Maddhakanduli p.school	41	
5	Village level program	May. 12	Dorikalinagar	42	
6	Village level program	May. 26	Sarikalinagar	31	

164

Reporting period : June 2002

SI	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Jun. 27	Tatalpur	20	
2	Village level program	Jun. 19	Tatalpur	30	
3	Village level program	Jun. 30	Jheneigati	35	

85

Reporting period : July 2002

SI	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Jul. 29	Badategoria	15	
2	Village level program	Jul. 15	Pakuria	25	

40

Reporting period : August 2002

SI	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Aug. 25	Baliachondi	32	
2	Village level program	Aug. 20	Ramkhila	35	

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Information on Awareness Raising Campain
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Kongsa - Malijee River Basin, Sherpur Site

Reporting period : Sept. 2002

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	Sept. 10	Salda	42	
2	Para level program	Sept. 15	Bakarkandi	28	
3	Para level program	Sept. 18	Vatiapara	35	
4	Village level program	Sept. 27	Baluchar	74	
5	Village level program	Sept. 29	Chatal	76	
6	Village level program	Sept. 30	Kandapara	64	
7	Village level program	Sept. 30	Badategoria	71	

390

Reporting period : October 2002

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	18/10/02	Ramkhila	52	Plantation & group fromation
2	Para level program	20/10/02	Hoaraniz	30	Plantation & group fromation
3	Village level program	12/10/2002	Ramkhila	50	Goal & objectives of MACH for group.
4	Village level program	25/10/02	Bakarkanda	60	Goal & objectives of MACH for group.

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Reporting period : November 2002

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	13/11/02	Purbo Pakuria	45	
2	Para level program	18/11/02	Hoara niz	30	
3	Para level program	27/11/02	Pakuria	18	
4	Para level program	30/11/02	Darikalinagar	35	
5	Village level program	28/11/02	Sadar primary school	70	
6	Village level program	18/11/02	Hoara niz	120	
7	Village level program	30/11/02	Konagao Chowrasta	150	

468

Reporting period : December 2002

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	18/12/02	Purbopakiluria	45	
2	Para level program	28/12/03	Bakarkanda	28	
3	Para level program	31/12/02	Pakuria	39	
4	Village level program	22/12/02	Kanduli primary school	50	
5	Village level program	4/12/2002	Salda	46	
6	Village level program	30/12/02	Hoara niz	50	
7	Village level program	10/12/2002	Tircha	46	

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Reporting period : January 2003

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level	15/01/03	Tialkandi	39	
2	Para level	29/01/03	Hoawra niz	48	
3	Upazila level/ rally	19/01/03	Protabia Primary school	800	
4	Upazila level/ rally	20/01/03	Gagrapara primary school	950	

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**Information on Awareness Raising Campaign
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Kongsa - Malijee River Basin, Sherpur Site**

Reporting period : February 2003

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level program	24/02/03	Dariarpar	30	
2	Para level program	24/02/03	Darikalinagar	54	
3	Para level program	25/02/03	Dariarpar	36	

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Reporting period : March 2003

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level	10/3/2003	Tatalpur	43	
2	Para level	16/03/03	Ramkila	34	
3	Para level	12/3/2003	Kamarpara	45	
4	Para level	9/4/2003	Pakuria	49	
5	Para level	19/03/03	Tilkandi	39	
6	Para level	24/03/03	Hoawra niz	56	
7	Village level	4/3/2003	UNO office Sadar	1200	Dara show on MACH approach
8	Village level	5/3/2003	Tatalpur	1000	Dara show on MACH approach
9	Village level	5/3/2003	Protabia	1600	Dara show on MACH approach
10	Village level	6/3/2003	Digarpar	1500	Dara show on MACH approach
11	Village level	6/3/2003	Mandakhali	3000	Dara show on MACH approach
12	Village level	7/3/2003	Bakarkanda	1300	Dara show on MACH approach
13	Village level	7/3/2003	Badategoria	1350	Dara show on MACH approach
14	Village level	8/3/2003	Tircha	1100	Dara show on MACH approach
15	Village level	8/3/2003	Pakuria	1500	Dara show on MACH approach
16	Village level	9/3/2003	Tilkandi	1800	Dara show on MACH approach
17	Village level	9/3/2003	Pakuria Kamarpara	1800	Dara show on MACH approach
18	Village level	10/3/2003	Balurghat	1200	Dara show on MACH approach
19	Village level	10/3/2003	Gazirkhamar	4000	Dara show on MACH approach
20	Village level	13/3/03	Bakakura	1200	Dara show on MACH approach
21	Village level	13/3/03	Naukuchi	900	Dara show on MACH approach
22	Village level	14/03/03	Sharikalinagar	1500	Dara show on MACH approach
23	Village level	14/03/03	Dhansail	1250	Dara show on MACH approach
24	Village level	15/03/03	Dariarpar	1300	Dara show on MACH approach
25	Village level	15/03/03	Kanduli	1000	Dara show on MACH approach
26	Village level	16/03/03	UNO office Jheneigati	1100	Dara show on MACH approach
27	Village level	17/03/03	Paglarmuk	1100	Dara show on MACH approach
28	Village level	17/03/03	Paikura Bazer	3200	Dara show on MACH approach
29	Village level	18/03/03	Julgaon	1100	Dara show on MACH approach
30	Village level	18/03/03	Kalibari Bazer	2300	Dara show on MACH approach
31	Village level	19/03/03	Dorikalinagar	800	Dara show on MACH approach
32	Village level	19/03/03	Baliachandi	2000	Dara show on MACH approach
33	Village level	20/03/03	Baniapara	1100	Dara show on MACH approach

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Information on Awareness Raising Campain
MACH project, Caritas
Kongsa - Malijee River Basin, Sherpur Site

Reporting period : April 2003

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level	10/4/2003	Ramkhila	49	
2	Para level	16/04/03	Badetegoria	53	
3	Para level	8/4/2003	Martinpar	52	
4	Para level	23/04/03	Protabia	41	
5	UP level	22/04/03	Bakarkanda	150	

345

Reporting period : May 2003

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para level	6/5/2003	Protabia	42	
2	Para level	25/05/03	Howra niz	56	
3	Village level	5/5/2003	Sarikalinagar	230	
4	Village level	14/05/03	Salda	150	

478

Reporting period : June 2003

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Village level	22/04/06	Howra niz	170	

170

Reporting period : August 2003

Sl	Nature of program	Date	Venue	Participants attended	Remarks
1	Para Level	18/008/03	Tatalpur	85	
2	Para Level	21/08/03	Martinpar	75	

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Summary of KM site

Total Program	227	Participants	68,377	
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Appendix-10
List of Tubewell and Latrine by locations

Village-wise Tube well & Pit latrine distribution

Appendix -10

Hail Haor Site

Sl	Name of village	Name of Union	Installation / Distribution		Remarks
			Tube well	Pit Latrine	
1	Pachaun	Mirzapur	2	11	
2	Jatorpur	Mirzapur	2	11	
3	Shaharsree	Mirzapur	2	7	
4	Mirzapur Lamapara	Mirzapur	4	41	
5	Jatrapasha	Mirzapur	1	11	
6	Baulashir	Mirzapur	2	14	
7	Gondorbapur	Bhunabir	5	37	
8	Vimshee	Bhunabir	1	9	
9	Bhunabir	Bhunabir	4	15	
10	Razpara	Bhunabir	2	15	
11	Badealisha	Bhunabir	2	19	
12	Shason	Bhunabir	0	3	
13	Kamarpara	Bhunabir	1	12	
14	Laiarkul	Bhunabir	3	25	
15	Jilatpur, Motigonj	Ashidron	2	17	
16	Bilasherpar	Ashidron	2	21	
17	Udnarpar	Ashidron	5	41	
18	Amanatpur	Ashidron	1	5	
19	Alipur	Ashidron	1	7	
20	West Varaura	Sreemongal	9	41	
21	Lalbagh	Sreemongal	5	27	
22	Sabujbagh	Sreemongal	2	11	
23	West Sreemongal	Sreemongal	2	14	
24	Uttar Uttarsur	Sreemongal	8	58	
25	Hajipur	Kalapur	9	96	
26	Baruna	Kalapur	13	128	
27	Noyansree	Kalapur	2	11	
28	Ranovim	Giasnagar	2	13	
29	Rangoria	Giasnagar	1	1	
30	Mohammadpur	Giasnagar	0	5	
31	Anikalibuda	Giasnagar	2	15	
32	Anikalibaro	Giasnagar	1	20	
33	Kaliargaon	Giasnagar	2	8	
34	Banika	Giasnagar	1	15	
35	Gram Sreemongal	Giasnagar	2	13	
36	Manikhaor	Nazirabad	5	25	
37	Atghar	Nazirabad	2	22	
38	Nazirabad	Nazirabad	2	10	
39	Mardanhal	Nazirabad	1	17	
40	Ghorachaow	Nazirabad	2	12	
41	Daskahonia	Nazirabad	2	17	

Total

117

900

Village-wise Tube well & Pit Latrine distribution **Appendix -**
Kaliakoir Site

Sl	Name of village	Name of Union	Installation / Distribution		Remarks
			Tube well	Pit Latrine	
1	Taltali	Mouchak	2	19	
2	Bagamber	Mouchak	2	10	
3	Bhangerjungal	Mouchak	2	6	
4	Sinabaha	Mouchak	3	18	
5	Kowchakuri	Mouchak	2	9	
6	Majukhan	Mouchak	2	8	
7	Bastoli	Mouchak	2	9	
8	Kaliadaha	Mouchak	2	22	
9	Solahati	Madhpara	5	34	
10	Hatoriachala	Madhpara	11	51	
11	Olirchala	Madhpara	2	7	
12	Gopinpur	Madhpara	1	6	
13	Amair	Madhpara	4	20	
14	Boali	Boali	4	14	
15	Modonkhali	Boali	2	14	
16	Kondaghata	Boali	2	11	
17	Baribari	Chapair	5	13	
18	Ashariabari	Chapair	1	5	
19	Kanchanpur	Chapair	2	1	
20	Madiasholi	Chapair	5	12	
21	Namasholi	Chapair	3	19	
22	Rashidpur	Chapair	1	35	
23	Batara	Chapair	1	10	
24	Banirchala	Chapair	3	11	
25	Azgana	Azgana	2	11	
26	Sutrapur	Sutrapur	4	21	
Total			75	396	

Summary of Tube wells and pit latrines distribution

Sites	Tube well	Latrine
HH	117	900
KM	60	1300
TB	75	396
Total	252	2596

**Village-wise Tube well & Pit latrine distribution
Sherpur Site**

Appendix -

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Sl	Name of village	Name of Union	Installation / Distribution		Remarks
			Tube well	Pit Latrine	
1	Hasligaon	Malijikanda	5	90	
2	Julgaon	Malijikanda	-	54	
3	Binapara	Malijikanda	2	103	
4	Tagaripara	Malijikanda	-	2	
5	Khamarpara	Malijikanda	-	18	
6	Malijikanda	Malijikanda	1	11	
7	Chaguria	Malijikanda	-	28	
8	Devottarpara	Malijikanda	-	11	
9	Kathaltoli	Malijikanda	1	3	
10	Tinanipara	Malijikanda	-	1	
11	Konapara	Malijikanda	-	8	
12	Hatibanda	Hatibanda	-	5	
13	Beltoli	Hatibanda	-	1	
14	Ghagra	Hatibanda	-	2	
15	Jagotpur	Jhinaigati	-	3	
16	Darikalnagar	Jhinaigati	8	58	
17	Matiapara	Jhinaigati	-	12	
18	Baluchar	Jhinaigati	-	14	
19	Chatol	Jhinaigati	1	22	
20	Sarikalinagar	Jhinaigati	7	67	
21	Konagaon	Jhinaigati	2	15	
22	Bonkali	Jhinaigati	-	3	
23	Bondahavotpara	Jhinaigati	-	2	
24	Paikura	Jhinaigati	-	3	
25	Salda	Jhinaigati	1	-	
26	Baliachandi	Jhinaigati	-	1	
27	Kanduli	Dhanshail	-	45	
28	Dhariapara	Dhanshail	2	26	
29	Bonga	Gouripur	-	1	
30	Dohalia	Rajnagar / Nalitabari		12	
31	Rajnagar	Rajnagar / Nalitabari	-	3	
32	Khamerbon	Rajnagar / Nalitabari	-	1	
33	Bakarkanda	Dhala	2	57	
34	Pratabia	Bhajitkhilla	1	78	
35	Sonaborkanda	Bhajitkhilla	-	15	
36	Tatalpur	Bhajitkhilla	1	24	
37	Balia	Bhajitkhilla	-	3	
38	Bhatiapara	Pakuria	3	38	
39	Purba Pakuria	Pakuria	1	19	
40	Khamarpara	Pakuria	2	61	
41	Badapara	Pakuria	1	5	
42	Fakirpara	Pakuria	-	1	

Village-wise Tube well & Pit ltrine distribution

Appendix -

43	Tilkandi	Pakuria	3	89	
44	Ramkhilla	Pakuria	1	14	
45	Gonibarua	Pakuria	2	57	
46	Mandakhali	Pakuria	-	3	
47	Badhategharia	Pakuria	3	45	
48	Tircha	Pakuria	1	18	
49	Martinpur	Pakuria	1	33	
50	Gonimominkand	Pakuria	1	27	
51	Shekhati	Pakuria	-	2	
52	Hawra Nise	Bhatshala	1	28	
53	Kamaria	Pourashava	4	27	
54	Dhigarpar	Pourashava	2	31	

60 1,300

Appendix-11

List of staff at the end of the project

List of MACH Employee:

MACH Winrock

Name of Employee	Designation	Status	Work Location
Mr. Darrell L. Deppert	Chief of Party	Long Term	Dhaka
Mr. William J. Collis	Sr. Natural Resource Advisor	Long Term	Dhaka
Mr. Md. Shahbuddin	Manager Admin & Finance	Long Term	Dhaka
Mr. Probir Kumar Roy	Sr. Accounts and Admin Assistant	Long Term	Dhaka
Mr. Md. Mahmud Ali	Accountant	Long Term	Dhaka
Mr. Shah Alam Howlader	Admin and Account Assistant	Long Term	Dhaka
Ms. Mahpara Manir	Sr. Secretary	Long Term	Dhaka
Ms. Kazi Ismat Ara Bina	Secretary	Long Term	Dhaka
Ms. Stella S. Gomez	Telephone Operator/Receptionist	Long Term	Dhaka
Mr. Modhu Hazong	Peon Cleaner	Long Term	Dhaka
Mr. Mukhlesur Rahman	MLSS	Long Term	Dhaka
Mr. Syed M. Anwarul Islam	Office Bearer & Cleaner	Long Term	Dhaka
Mr. Saiful Islam	MLSS	Long Term	K-M Site
Mr. Nirod Chandra Dev	Cleaner	Long Term	Hail Haor
Mr. Narayan Harrison	Cleaner	Long Term	K-M Site
ISM			
Dr. Aminul Karim Chowdhury	Executive Engineer	Long Term	Dhaka
Mr. M. A. Rouf	Sr. Assistant Engineer	Long Term	Dhaka
Mr. Morshedur rasheed Reza	Accountant	Long Term	Dhaka
Ms. Rita Costa	Secretary	Long Term	Dhaka
Mr. Md. Fazlul Haque	Sr. Sub Assistant Engineer	Long Term	Hail Haor
Mr. Abdul H. Azad	Sr. Sub Assistant Engineer	Long Term	K-M Site
Mr. Abu Al Khattab	Account Assistant	Long Term	K-M Site
Mr. Mnowar Hossain	Account Assistant	Long Term	Hail Haor
Mr. Md. Shahdat Hossian Dewan	Account Assistant	Long Term	T-B Site
Mr. Md. Golam Mustafa	Account Assistant	Long Term	Sherpur
A. K. M. Ataul Gani	Cashier/Account Assistant	Long Term	Hail Haor
Mr. Md. Masud Hassan	Cashier/Account Assistant	Long Term	Hail Haor
Mr. Md. Monaj Ahmed	Asst. Field Engineer/Surveyor	Long Term	Hail Haor
Mr. Sk. Sharifuzzaman	Asst. Field Engineer/Surveyor	Long Term	T-B Site
Mr. Sk. Md. Alamgir Hossain	Asst. Field Engineer/Surveyor	Long Term	Hail Haor
Mr. Md. Habibur Rahman	Survey Assistant	Long Term	T-B Site
Mr. Mafidul Islam	Survey Assistant	Long Term	K-M Site
Mr. M. Shahin Babu	Survey Assistant	Long Term	Hail Haor
Mr. Hassanul Islam	Surveyer/Sub Asst. Engineer	Long Term	T-B Site
Mr. Bimal Kumar Sarker	Sub Assistant Engineer	Long Term	Hail Haor
Mr. Subash ChandraSheel	Survey Assistant	Long Term	K-M Site
Mr. Md. Jahangir Alam	Peon/Cleaner	Long Term	Hail Haor
Mr. Rana Sangma	Peon/Cleaner	Long Term	Dhaka
Mr. Rustam Ali	Peon/Cleaner	Long Term	K-M Site

MACH-BCAS

Name of Employee	Designation	Status	Work Location
Dr. Saleemul Huq	Consultant	Short Term	BCAS-HQ
Dr. A. Atiq Rahman	Consultant	Short Term	BCAS-HQ
Mr. Mujibur Rahman	Consultant	Short Term	BCAS-HQ
Mr. Liaquat Ali	Consultant	Short Term	BCAS-HQ
Mr. S. N. Choudhury	National Coordinator	Long Term	MACH-HQ
Mr. Mozharul Alam	Data Base Management	Long Term	BCAS-HQ
Mr. Ali Akber Bhuiyan	Plantation Specialist	Long Term	MACH-HQ
Mr. Mahbubur Rahman	Fisheries Biologist	Long Term	MACH-HQ
Mr. Akther Mahmood	Office Manager	Long Term	Hail Haor
Mr. A. K. M. Meherul Islam	Office Manager	Long Term	K-M Site
Mr. Khairul Ahsan	Office Manager	Long Term	T-B Site
Mr. A. Mamun	Peon	Long Term	Hail Haor
Mr. Md. Asif Iqbal	Peon	Long Term	K-M Site
Mr. Anwar Hossain	Peon	Long Term	T-B Site

MACH-CNRS

Name of Employee	Designation	Status	Work Location
Mr. Mokhlesur Rahaman	Floodplain Ecologist	Short Term	CNRS-HQ
Mr. Sachindra Halder	Monitoring Coordinator	Long Term	CNRS-HQ
Mr. Mainur Rahman	Tr. and Comm. Officer	Long Term	CNRS-HQ
Mr. Mahbubul Hassan	Project Coordinator	Long Term	MACH-HQ
Mr. Uzzal K. Roy	Programmer	Long Term	CNRS-HQ
Mr. Rony Robert Rozario	Prorammer	Long Term	MACH-HQ
Mr. Mashuiur Rahman	Comm. Development Specialist	Long Term	MACH-HQ
Mr. Kazi A. Hashem	Site Coordinator	Long Term	Hail Haor
Mr. S. Md. Ziaul Huq	Site Coordinator	Long Term	K-M Site
Mr. Ashoke K. Das	Site Coordinator	Long Term	T-B Site
Mr. Md. Hamdu Mia	Field Officer	Long Term	Hail Haor
Mr. Md. Alauddin	Field Officer	Long Term	Hail Haor
Mr. Farhad Kabir	Field Biologist	Long Term	Hail Haor
Mr. Achintya K. Sarker	Field Biologist	Long Term	Hail Haor
Mr. Zahed Sadeque Chowdhury	Field Biologist	Long Term	Hail Haor
Mr. S.M. Monjurul Ahsan	Field Officer	Long Term	Hail Haor
Mr. Touhidur Rahman	Field Biologist	Long Term	Hail Haor
	Field Officer	Long Term	Hail Haor
Mr. A. H. Mostafa Kamal	Field Officer	Long Term	Hail Haor
Mr. Sarwar Jahan Chowdhury	Field Officer	Long Term	Hail Haor
Mr. Bahauddin Miah	Account Assistant	Long Term	Hail Haor
Mr. Rafiqul Islam	Field Officer	Long Term	T-B Site
Mr. Golam Kibria	Field Officer	Long Term	T-B Site
Mr. Md. Shourab Mahmood	Field Officer	Long Term	T-B Site

Name of Employee	Designation	Status	Work Location
Mr. Amirul Islam	Field Officer	Long Term	T-B Site
Mr. Md. Nuruzzaman	Field Biologist	Long Term	K-M Site
Mr. Noor Ahmed	Field Officer	Long Term	K-M Site
Mr. Md. Liakat Ali	Field Biologist	Long Term	K-M Site
Mr. Md. Khalilur Rahman	Field Officer	Long Term	K-M Site
Mr. Mehedi Hassan Tarafdar	Account Assistant	Long Term	K-M Site
Mr. Saleh Kazbin	Data Entry Operator	Long Term	MACH-HQ
Mr. Md. Sahfiqul Islam	Data Entry Operator	Short Term	MACH-HQ

MACH-CARIATS

Name of Employee	Designation	Status	Work Location
Mr. A.S.M. Mostaque	Proram Officer	Long Term	CFP-HQ
Mr. Joachim Gomes	Sr. Accountant	Long Term	CFP-HQ
Mr. Md. Obaidul Haque	Field Coordinator	Long Term	Hail Haor
Mr. Mukhlesur Rahman	field Officer	Long Term	Hail Haor
Mr. Md. Kamrul A. Chowdhury	Field Officer	Long Term	Hail Haor
Mr. Gregory Halder	Jr. Accountant	Long Term	Hail Haor
Mr. Taposh Gomes	Jr. Field Accountant	Long Term	Hail Haor
Mr. Vinsent Mrinal Biswas	Jr. Field Accountant	Long Term	Hail Haor
Mr. Sk. Alamgir Hossain	Assistant Field Officer	Long Term	Hail Haor
Mr. Rehana Akther	Assistant Field Officer	Long Term	Hail Haor
Mr. Patrick Rozario	Assistant Field Officer	Long Term	Hail Haor
Mr. Prokash Ch. Sarker	Assistant Field Officer	Long Term	Hail Haor
Mr. Edward Corraya	Assistant Field Officer	Long Term	Hail Haor
Mr. Biplop Gomes	Assistant Field Officer	Long Term	Hail Haor
Mr. Mukul Ch. Saha	Agriculture Extension Officer	Long Term	Hail Haor
Mr. Resaul Kabir	Agriculture Extension Officer	Long Term	Hail Haor
Mr. Mrittika Adiya	Jr. Accountant	Long Term	Hail Haor
Mr. Chandan D'Costa	Field Coordinator	Long Term	T-B Site
Mr. Mosharof Hossain	Field Accountant	Long Term	T-B Site
Mr. James B. Rozario	Assistant Fisheries Officer	Long Term	T-B Site
Mr. Md. Shabjahan	Assistant Fisheries Officer	Long Term	T-B Site
Mr. Abul Kalam Majumder	Assistant Fisheries Officer	Long Term	T-B Site
Mr. ABM Touhidul Alam	Agriculture Extension Officer	Long Term	T-B Site
Ms. Habina Azim	Field Coordinator	Long Term	K-M Site
Mr. Ratan K. Kamkar	Field Officer	Long Term	K-M Site
Mr. Burhan Uddin	Field Officer	Long Term	K-M Site
Mr. Maloti mondol	Jr. Accountant	Long Term	K-M Site
Mr. Jihusai Sangma	Field Accountant	Long Term	K-M Site
Mr. Bakul Roy	Field Accountant	Long Term	K-M Site
Mr. Uzzal Kr. Datta	Agriculture Extension Officer	Long Term	K-M Site
Mr. Saiful Islam	Assistant Field Officer	Long Term	K-M Site
Mr. Uzzal Chakravorty	Assistant Field Officer	Long Term	K-M Site

Name of Employee	Designation	Status	Work Location
Ms. Anamika Ritchi	Assistant Field Officer	Long Term	K-M Site
Harun Ur Rashid	Assistant Field Officer	Long Term	K-M Site
Mahfiza Yasmin	Assistant Field Officer	Long Term	K-M Site
Fahima Akther	Assistant Field Officer	Long Term	K-M Site
Bennoy Chisim	Assistant Field Officer	Long Term	K-M Site
Nirmal Ch. Saha	Assistant Field Officer	Long Term	K-M Site
Bablu Martin Costa	Peon	Long Term	CFP-HQ
Abul Kashem	Peon/Guard	Long Term	Hail Haor
Hazarat Ali	Peon/Guard	Long Term	Hail Haor
Dominic Rozario	Cook Bearer	Long Term	Hail Haor
Bachon Konada	Cook Bearer	Long Term	Hail Haor
Nipo Gonsalves	Cook Bearer	Long Term	Hail Haor
Remis Indoar	Cook Bearer	Long Term	Hail Haor
Mithu Rozario	Peon/Guard	Long Term	T-B Site
Nipu Augustin	Cook Bearer	Long Term	T-B Site
Ariful Islam	Cook Bearer	Long Term	T-B Site
Akther Hossain	Cook Bearer	Long Term	T-B Site
Simon Uzzal Sarker	Peon	Long Term	K-M Site
Douglas Gonsalves	Peon	Long Term	K-M Site
Sumanta Kr. Barman	Peon	Long Term	K-M Site
Ohmas Rangsa	Cook	Long Term	K-M Site
Shanti Bgum	Cook	Long Term	K-M Site
Janin Nokrek	Cook	Long Term	K-M Site
Parimol Rozario	Cook	Long Term	K-M Site

Appendix-12

List of MACH reports

MACH Project
List of Reports & Working Documents

Reports	Period	Title	Prepared by
1. Report 1	October 98 –March 99	MACH Interim Inception Report	MACH
2. Report 2	April 99-September 99	MACH Semi-Annual Report	MACH
3. Report 3	April 99-March 2000	MACH 1 st Annual Report	MACH
4. Report 4	April 2000	MACH 1 st Annual Report of MACH-CNRS	MACH-CNRS
5. Report 5	August 2000	MACH 1 st Annual Report of MACH-CARITAS Bangladesh	MACH-CARITAS Fisheries Program
6. Report 6	February 2001	MACH Baseline Report on Fisheries, Vegetation, Wildlife & Household Protein Consumption	MACH
7. Report 7	February 2001	MACH Restoration of Vegetation and Sustainable Management of the wetlands and watersheds of Hail Haor and Turag-Bongshi Floodplain	MACH
8. Report 8	February 2001	MACH 2 nd Annual Report of MACH-CNRS	MACH-CNRS
9. Report 9	February 2001	MACH 2 nd Annual Report of MACH-CARITAS	MACH-CARITAS Fisheries Program
10. Report 10	February 2001	2 nd Annual Report	MACH
11. Report 11		Afforestation Program Implementation, 2001-2003	MACH
12. Report 12	September 2001	MACH Semi-Annual Report	MACH
13. Report 13	October 2001	MACH Bio Impact model	Dr.Luke Colavito
14. Report 14	November 2001	Draft Report on Hail Haor Watershed Management Plan	MACH
14. Report 15	December 2001	MACH-Kaliakoir Pollution Report	BCAS
14. Report 16	December 2001	Report on Mid-Term Review	MACH
15. Report 17		Impact Report (Yera -1) on Fisheries, Vegetation, Wildlife and Protein Consumption	CNRS
16. Report 18	February 2002	Draft Hydrology Study Report	BCAS
17. Report 19	April 2002	Baseline Report(Sherpur) on Fisheries, Vegetation, Wildlife and Protein Consumption-Draft	CNRS
18. Report 20	April 2002	3 rd Annual Report	MACH
19. Report 21	Jan-Jun 2002	Semi Annual Report of CARITAS	MACH-CARITAS
20. Report 22	October 2002	MACH Semi-Annual Report	MACH
21. Report 23	February 2003	4 th Annual Report	MACH
22. Report 24		Economic Valuation of the Hail Haor wetland of Sreemangal	Dr. Luke Colavito
Working Documents			
Working	April 1999	Overview of Baseline &	Mark & Susan Hill

Document 1		Monitoring Programs	
Working Document 2	April 1999	Baseline Survey & Monitoring Report	CNRS
Working Document 3	May 12-23, 1999	Tour Report	Darrell L. Deppert
Working Document 4	May 1999	Monitoring Protocol	Mark & Susan Hill
Working Document 5	July 13, 1999	Rapid Appraisal Report-HH	CNRS
Working Document 6	July 13, 1999	Rapid Appraisal Report-TB	CNRS
Working Document 7	July 1999	Fish Biodiversity of the Gopla River & Kamarkhali System during the Early Monsoon Period	Ms. Louise Sales Biodiversity & Conservation, M Sc. Leeds University
Working Document 8	July 1999	Census Report	CNRS
Working Document 9	December 22, 1999	Special Information Database & Analysis System Draft	Timothy C. Martin
Working Document 10	January 2000	Development of Geo-spatial and Nonspatial Database	BCAS
Working Document 11	January 2000	Annual Report on Hydrology	BCAS
Working Document 12	February 2000	Water Pollution Report on TB Site	BCAS
Working Document 13	April 2000	RFA Findings MACH-Kangshow Malijhi Site Sherpur	CNRS
Working Document 14	April 2001	Feasibility Study on Re-establishing Connectivity Between Kushiya River & Hail Haor	CNRS
Working Document 15	June 2001	Development of Geospatial and Non-geospatial Database	BCAS
Working Document 16	July 2001	MACH Physical Intervention	MACH
Working Document 17	July 2001	Working paper for RMO Capacity Building Workshop	MACH
Working Document 18	July 2001	Concept paper for Benefit Sharing for MACH Plantation Program	MACH
Working Document 19	July 2001	MACH Project Progress Reporting Format	MACH
Working Document 20	July 2001	Planning Workshop on Building sustainable Solutions to Natural Resource Management	MACH
Working Document 21	August 2001	Report on Sylhet Trip MACH, CNRS & FISHPASS	DWMP
Working Document 22	August 2001	RMOs Sustainability Approach (Hand Guide on Floodplain Resource Management Organization, RMOs)	CNRS

Working Document 23	September 2001	Manual on SWAMP Tree Plantation	CNRS
Working Document 24	November 2001	Briefing Packet for Mid-Term Evaluation	MACH
Working Document 25	December 2001	Guidelines of MACH Physical Intervention	MACH
Working Document 26	January 2002	Training Module for RMOs Capacity Building	CNRS
Working Document 27	January 2002	Activities Implementation, Monitoring and Reporting of MACH-CARITAS activities	Ms. Afroza Begum
Working Document 28	2002	Roadside Plantation Plan 2002 CARITAS	MACH-CFP
Working Document 29	February 2002	Estimation of the importance of Non Fish Aquatic Wetland Resource use by Socio Economic Status(Hail Haor wetland)	Naushee Rahman 3 rd year Bacher of Resource Economics of University of Sydney, Australia
Working Document 30	July 2002	Brief packet on Performance Monitoring Plan Strategic Objective 6	MACH
Working Document 31	October 2000	Lawasere Tropical Forest in Bangladesh RRA Findings	MACH-CNRS
Working Document 32	September 2003	GIS Maps Collection	MACH
Working Document 33	September 2003	Photographs of MACH Project Activities Vol. I	MACH
Working Document 34	September 2003	Photographs of MACH Project Activities Vol. II	MACH
Working Document 35	2003	Training manual on gift Tilapia culture	MACH-CARITAS Fisheries Program
Working Document 36	2003	Flip chart on Tilapia culture	MACH-CARITAS Fisheries Program
Working Document 37	2003	Folders on Tilapia culture	MACH-CARITAS Fisheries Program
Working Document 38	2003	Report on RUG members profile survey	MACH-CARITAS Fisheries Program

Appendix-13

Major Organizations/ Visitors to MACH

MACH Project Sreemangal

Appendix-13

Visitors' list

Sl. No	Name & Designation	Related Organization	Date/Duration of visit	Purpose of visit
1.	Mr. Enam Ul Haque, Bird watcher		31-Jan-02 to 02-Feb-02	
2.	Mr. Firoz Mallik	BCAS	05-Feb-02 to 07-Feb-02	
3.	Ms. Jasmin Jarjour	BCAS	05-Feb-02 to 07-Feb-02	
4.	Mr. Habib Ahmed	World Fish Center	18-Feb-02 to 19-Feb-02	
5.	Mr. Anwar Hossain,	World Fish Center	18-Feb-02 to 19-Feb-02	
6.	Dr. P. K. Barua	FTF, Bangladesh	11-Apr-02 to 12-Apr-02	
7.	Mr. Bhimandra	FTF, Nepal	11-Apr-02 to 12-Apr-02	
8.	Ms. Debbie Ingram, Video team		18-Apr-02 to 20-Apr-02	
9.	Dr. P. K. Barua	FTF	05-May-02 to 07-May-02	
10.	Mr. Roy Batty	FTF	05-May-02 to 13-May-02	
11.	Mr. Sayed Awlad, Video team		02-Jun-02 to 07-Jun-02	
12.	Mr. Tom Cttersen	USAID	July '02	
13.	Mr. S.T. Rahman, JS	MoL	01-Jul-02 to 02-Jul-02	
14.	Mr. B.R. Ahmed, JS	MoFL	01-Jul-02 to 02-Jul-02	
15.	Ms. Cathrine Warner	Winrock International	September '02	
16.	Mr. Habibur Rahman	MoFL	17-Sep-02 to 20-Sep-02	
17.	Mr. Zafar Ullah	IMED	17-Sep-02 to 19-Sep-02	
18.	Mr. Shamsur Rahman	Assistant Chief, MoFL	17-Sep-02 to 20-Sep-02	
19.	Mr. Mokammel Hossain	DoF	17-Sep-02 to 19-Sep-02	
20.	Mrs. Olena Reza	SEMP-BCAS	24-Sep-02 to 27-Sep-02	
21.	Mr. Belayet Hussain	SEMP-BCAS	24-Sep-02 to 27-Sep-02	
22.	Mr. Jean George, Mission Director	USAID	September '02	
23.	Journalist	BBC	November '02	
24.	Mr. Enam Ul Haque, Bird watcher		12-Dec-02 to 13-Dec-02	
25.	BTV team	BTV	27-Oct-02 to 29-Oct-02	
26.	Mr. Udaya Rayamajhi	Winrock International, Nepal	18-Dec-02 to 20-Dec-02	
27.	Mr. Shambhu Katuwal	Winrock International, Nepal	18-Dec-02 to 20-Dec-02	
28.	Mr. Sameer Karki	IUCN, Nepal	18-Dec-02 to 20-Dec-02	
29.	Mr. Bishnu B Mallah	Saptari, Nepal	18-Dec-02 to 20-Dec-02	
30.	Mr. Lalandevi Sardarni	Saptari, Nepal	18-Dec-02 to 20-Dec-02	
31.	Mr. Chhotelal Sarder	Sunsari, Nepal	18-Dec-02 to 20-Dec-02	
32.	Mr. Surya B Majhi	Sunsari, Nepal	18-Dec-02 to 20-Dec-02	
33.	Mr. Shibu Malaha	Sunsari, Nepal	18-Dec-02 to 20-Dec-02	
34.	Mr. Ramananada Sada	Sunsari, Nepal	18-Dec-02 to 20-Dec-02	
35.	Mr. Dayaram Chaudhary	Kailali, Nepal	18-Dec-02 to 20-Dec-02	
36.	Ms. Gyanu Chaudhary	Kailal, Nepal	18-Dec-02 to 20-Dec-02	
37.	Lawrence Dolor	Program Off, USAID	14/01/2003	Visit MACH Activities
38.	Mr. Michael Deker, Environment Off.	US Embassy, Kathmondu	14/01/2003	Visit MACH Activities
39.	San O Neill	Economic Off., US Embassy, Dhaka	14/01/2003	Visit MACH Activities

Sl. No	Name & Designation	Related Organization	Date/Duration of visit	Purpose of visit
40.	Md. Latifur Rahman, Program Specialist	USAID	14/01/2003	Visit MACH Activities
41.	PBAEP Team (13 nos.)	PBAEP	5-6 February '03	Experience sharing
42.	James C. Correll	FTF	22-26 February '03	Feasibility of introducing IPM
43.	Mr. Paul Thompson, Office In Charge	World Fish Center	07-08 March '03	Group visit
44.	Dr. Parveen Sultana	World Fish Center	07-08 March '03	Group visit
45.	Mr. Firoz Alam	World Fish Center	07-08 March '03	Group visit
46.	Jeannie Harvey, Gender Advisor- IWID Fellow, U.S. Agency for International Development	Institute of International Education	08-09 March '03	Gender analysis in MACH Project
47.	Andrew Roberts		08-09 March '03	Visit MACH Activities
48.	Ms. Kian		08-09 March '03	Visit MACH Activities
49.	Dr. Md. Abdul Wahab, Professor of Limnology & Aquaculture	Bangladesh Agricultural University	05 July 2003	Visit MACH activities
50.	Dr. Munir	Bangladesh Agricultural University	05 July 2003	Visit MACH activities
51.	PhD. & MS Students	Bangladesh Agricultural University	05 July 2003	Visit MACH activities
52.	Mr. Latifur Rahman, Program Specialist	USAID	10-12 July 2003	Visit MACH Activities
53.	Mr. Joseph T. McGee, Regional Contacting Officer	USAID	11-12 July 2003	Visit MACH Activities
54.	Jeannie Harvey, Gender Advisor- IWID Fellow, U.S. Agency for International Development	Institute of International Education	12-13 July 2003	Visit MACH Activities
55.	Mr. Md. Mizanur Rahman, FPP - IFSP	Care	02 September 2003	Visit MACH activities
56.	Mr. Md. Zulkernine, TS - IFSP	Care	02 September 2003	Visit MACH activities
57.	Mr. M. A. Rashid, TS - IFSP	Care	02 September 2003	Visit MACH activities

Comments of Visitors

Annex-1

Fascinating overview of the conditions out on the haor as well as the limited remaining forest in the area. MACH activities appear to be having an enormous positive impact on those who are dependent upon on the haor for their livelihoods. However the success of these efforts are likely to generate additional challenges in the form of addition pressures on the haor. I wish MACH best of luck in their efforts.

Larry Dolar
USAID/Bangladesh
14/1/03

Annex-2

I very much appreciated the well-prepared introduction to MACH and its activities at the Srimangal site. This is a wonderful model of an integrated conservation/development program. I hope it will be replicated all over Bangladesh and perhaps elsewhere.
All the best.

Michael Deker
U.S. State Department
Regional Environment Officer for South Asia
U.S. Embassy, Katmandu, Nepal
14/1/03

Annex-3

Thank you for an excellent tour of the MACH program and for your kind hospitality. I was very impressed by the MACH Staff, facilities and program as a whole. I hope to be able to continue to work together in the future.

All the best,

San O'Neill
US Embassy, Dhaka
14/1/03

Annex-4

I am very much impressed with the progress of MACH Project. The present staffs of MACH Project are committed, dedicated and sincere in implementing the project. I hope this project will develop an improved and appropriate model of co-management of natural resources for Bangladesh.

Latifur Rahman
USAID/Dhaka
15/1/03

Annex-5

PBAEP was expecting to have a visit to MACH Project with a view to share MACH Project's experience for its Fisheries component. After all it has been successful study tour after having been visited MACH Project's sites specially Hail Haor which comprising many beels. PBAEP Team comprising 13 members of which 10 people were from 3 NGOs (Sangram, Khalifa Foundation & Resource Development Foundation) and 3 from DTA. All have been very much delighted and pleased to have seen MACH activities and sites and management as well.

In fine it is said that PBAEP team will try to implement the experience of MACH to PBAEP Jalmahal management for augmenting the development of PBAEP's CBFM activities.

I, on behalf of the team convey our regards and wish to CNRS-MACH.

Nityananda Bala
Fisheries Program Manager
Daneda, TA, PBAEP, Patua Khali
06/02/03

Annex-6

My visit to Bangladesh and this area was wonderful and a very moving experience. Everybody at the guest house was very helpful, friendly and warm and made me feel most welcome. Thank you all from the bottom of my heart. Best of luck with all of your endeavors.

Peace and warmest regards

Your friend always

Jim correll

University of Arkansas

Winrock International

26/02/2003

Annex-7

First visit to MACH nice and good experience sharing.

AKM Firoz Khan, Social Scientist, World Fish Center

Annex-8

Today we visited fish sanctuaries of MACH Project at Hail Haor. CARE is designing a new project and wants to incorporate new ideas and initiatives which would improve livelihood security of the hardcore poor of the country. MACH project is doing a good job in conserving the nature and biodiversity and at the same time increasing the livelihood options of the poor. Fish sanctuaries are contributing to the nutritional status of the surrounding people. We hope that lesson learnt in this visit would certainly help CARE to incorporate some new initiative in the new programs. We wish MACH Project to continue its nice efforts in future.

S.M. Zulkernine

Technical Coordinator

Environment and GIS unit, IFSP, CARE-Bangladesh

02/09/2003

MACH-Sherpur Site

Name	Designation	Organization	Date	Duration of visit	Purpose of visit
Mr. Jobayerul Haque	Office Manager	CNRS	30/12/01 - 03/01/02	4	PCP at Beel complexes
Mr. Moshihur Rahman	Trainning coordinator	CNRS	02/01/02-04/01/02	2	Training Purpose
Mr. Sachindra Halder	Monitoring Coordinator	MACH-CNRS	04/01/02-06/01/02	2	PCP purpose
Mr. A.K.M.Kamal Uddin	Consultant	CNRS	07/01/02-10/01/02	3	PCP purpose
Mr. Rakib-al-Arif	Senior Trainer	FTEP	13/02/02 - 14/02/02	1	See the project work
Mr. A.Alim	Research assitant	BCAS	10/03/02 - 18/03/02	8	Project site biological matter
Mr. Wahidul Islam	Executive Director	Plan Lntl.	27/04/02 - 29/04/02	2	Project site visit
Mr. Emdadul Hossain	Follow-up Coordinator	FTEP	10/04/02 - 11/04/02	1	See the project work
Mr. Sohail	Research assitant	BCAS	30/04/02 - 03/05/02	3	Project site biological matter
Mr. Charlse Uppash	Manager	USAID	19/05/02 - 20/05/02	1	Project site visit
Mr. A. Alim	Research assitant	BCAS	30/04/02 - 03/05/02	3	Project site biological matter
Mr. Moshihur Rahman	Trainning coordinator	CNRS	17/06/02 - 20/06/02	3	RMO Strengthen plan finalize
Mr. Moshihur Rahman	Trainning coordinator	CNRS	09/07/02 - 11/07/02	2	RMO Strengthen plan finalize
Mr. Salim Ahmed	Accountant	CNRS	19/07/02 - 21/07/02	2	RMO Accounts keeping training
Mr. Pankaj Chakrabarti	Chatter Accountant	CNRS	19/07/02 - 21/07/02	2	RMO Accounts keeping training
Mr. Paritosh Chakrabarti	Consultant	BARD	23/08/02 - 28/08/02	5	Project purpose
Mr. Jakob. K.Sarker	Senior Accounts Officer	Plan Lntl.	09/09/02 - 12/09/02	3	Project purpose
Mr. Babul Chandra Das	Officer	Plan Lntl.	09/09/02 - 12/09/02	3	Project purpose
Mr. Jakob. K.Sarker	Senior Accounts Officer	Plan Lntl.	22/10/02 - 25/10/02	3	Project site visit
Mr. Omar Faruk	Officer	Plan Lntl.	22/10/02 - 25/10/02	3	Project site visit
Mrs. Lorna Lobayen	Consultant	CEEDA	23/11/02 - 27/11/02	4	Project site visit
Dr. Shelina Ahmed	Consultant	Plan Lntl.	23/11/02 - 27/11/02	4	Project site visit
Mr. Moshihur Rahman	Trainning coordinator	CNRS	03/11/02 - 05/11/02	2	Training Purpose
Mr. Alamgir	Officer	CARITAS	19/12/02 - 20/12/02	1	Visit purpose
Mr. Danniel Bhuiyan	Trainning coordinator	CARITAS	21/12/02 - 25/12/02	4	Training Purpose
Mr. Moshihur Rahman	Trainning coordinator	CNRS	21/12/02 - 25/12/02	4	Training Purpose

MACH-Sherpur Site

Date: 8/09/2003

Visitors to MACH K-M Site, Sherpur

Duration: June 2001 to July,2003

Name	Designation	Organization	Period	Purpose of visit
Mr. Taposh Khan		UNICEF	Feb-2001	See the project work
Mrs. Nurun Nahar	Trainning Officer	CARE-CAGES	May-2001	Project purpose
Mrs. Taslima Begum	Trainning Officer	CARE-CAGES	May-2001	Project purpose
Mr. Habibur Rhaman	Joint Secretary	MoFL	Aug-2001	See the project work
Mr. Shamsr Rahman	Asst. Secretary	MoFL	Aug-2001	See the project work
Mr. Abdur Razzaque	Asst. Secretary	MoFL	Aug-2001	See the project work
Mr. Abu Bakkar Siddique	Joint Secretary	MoFL	Aug-2001	See the project work
Mr. K.M. Nurul Islam	Officer	CFP, CARITAS	Aug-2001	See the project work
Mr. Jahirul Haque	Research Asst.	ICLARM	Aug-2001	See the project work
Mr. A.S. Mamud	Asst. Secretary	MoFL	Nov-2001	See the project work
Mr. N.Z. Islam	Mid-term Evaluation Team member		Nov-2001	See the project work
Mr. Ian Tod	Evaluation Team member	USAID	Nov-2001	See the project work
Mr. Alamgir Chowdhury	Evaluation Team member	MoFI	Nov-2001	See the project work
Mr. Zahirul Islam	Evaluation Team member	FTF-TA,DoF	Nov-2001	See the project work
Mr. A.Rob Moallah	Evaluation Team member	FTF-TA,DoF	Nov-2001	See the project work
Mr. Rakib-al-Arif	Senior Trainer	FTEP	Feb-2002	See the project work
Mr. Wahidul Islam	Executive Director	Plan Intl.	Apr-2002	Project site visit
Mr. Emdadul Hossain	Follow-up Coordinator	FTEP	Apr-2002	See the project work
Mr. Charlse Uppash	Manager	USAID	May-2002	Project site visit
Mr. Paritosh Chakrabarti	Consultant	BARD	Aug-2002	Project purpose
Mr. Jakob. K.Sarker	Senior Accounts Officer	Plan Intl.	Sept-2002	Project purpose
Mr. Babul Chandra Das	Officer	Plan Intl.	Sept-2002	Project purpose
Mr. Omar Faruk	Officer	Plan Intl.	October-2002	Project site visit
Mrs. Lorna Lobayen	Consultant	CEEDA	October-2002	Project site visit
Dr. Shelina Ahmed	Consultant	Plan Intl.	November-2002	Project site visit
Mr. M.A.Khan Mojlish	Director	Bangladesh Bank	Jan-2003	Audit purpose
Mr. Mozzamel Hague	Director	Bangladesh Bank	Jan-2003	Audit purpose
Mr. Munir Hossain	Executive Director	SEPDA	March-2003	Project purpose
Mr. Md. Mohiuddin	D. Director,Dhaka Division	DoF	June-2003	See the project work
Mr. Md. Alamgir Reza	A.D (Aquaculture project)	DoF	June-2003	See the project work
Mr. Dr. Munir Ahmed	Executive Director	TARA	June-2003	See the project work
Mr. Naseem Alam	Area Coordinator	World Fish Centre	June-2003	See the project work
Dr. Parvin Sultana	Consultant	USAID	July-2003	See the project work

Appendix-14

Economic valuation of the Hail Haor wetland of Sreemangal

The MACH Project

The MACH project is an innovative integrated pilot program to develop approaches and to demonstrate sustainable management of water resources including fish, plants, agriculture, livestock, forestry, and wildlife over entire wetland ecosystems. Wetlands in Bangladesh provide a critical source of income and nutrition for millions of rural Bangladesh's poorest people. Unfortunately, these habitats are being lost and their production is in decline due to over-use, increased rates of sedimentation from watershed degradation, pollution, diversion of water for agricultural uses and the conversion of wetlands for agricultural and urban development.

MACH takes a multi-disciplinary participatory approach to address wetland decline. MACH is pioneering a variety of activities to reduce over use of wetland resources and to preserve wetland resources from degradation in selected project sites. Examples of these activities include development of fish sanctuaries, alternative income programs to reduce seasonal pressures, reforestation of tributaries to reduce sedimentation and reconnecting water bodies to preserve wetland productivity. The MACH approach includes close integration of project initiated resource user committees with local government structures to ensure sustainability.

MACH is a GoB project that is being implemented by four non-government organizations, Winrock International, the Bangladesh Centre for Advanced Studies (BCAS), the Centre for Natural Resources Studies (CNRS) and CARITAS-Bangladesh with support from USAID. Currently the program is working at three sites that are representative of the freshwater wetland ecotypes of Bangladesh (**Figure 1**). This study was conducted in the Hail Haor MACH site in Moulvibazar District. Hail Haor is an extensive wetland area that reaches a maximum flooded size of 12,300 hectares (1999 measurement).

The Study

This study has been undertaken to develop a methodological framework and to calculate an estimate of the economic value of the MACH Hail Haor wetland site centered in Moulvibazar district. The estimated value in this study should be considered a *conservative lower bound* on the wetland's economic value. Estimation of wetland value is an important and complex task that has not been previously addressed in Bangladesh. To justify water resource preservation and investment to improve productivity it is important to establish that sustainable management of water resources results in the generation of economic value that exceeds the economic value produced under alternative arrangements.

Wetland areas produce a wide variety of economic benefits. Some benefits can be more readily identified and quantified than other benefits. Direct benefits such as fisheries production, production of aquatic vegetation and products can be estimated from sample surveys and monitoring of beneficiaries. Other benefits such as recreational value, flood control value, water quality improvement, pasture value, biodiversity, water table impacts, have real and very significant economic value but are much more challenging to estimate. Failure to include the economic value of all wetland outputs has clearly biased development efforts in Bangladesh towards conversion of wetlands to agricultural use and to neglect of wetland areas.

To facilitate application of the approaches developed for this study a **bioeconomic model** was developed. The bioeconomic model is an Excel based application that will be a tool for researchers and practitioners to understand, refine and extend the economic analysis performed for this study relating economic and biological parameters.¹

¹ An electronic copy of the bioeconomic model can be obtained by emailing Dr. Luke Colavito at Lcolavito@winrock.org or Dr. Darrell Deppert at ddeppert@winrockbd.org.

Results

The annual economic output value estimated for Hail Haor is Tk 454 million (USD 8 million). The net present value of this benefit stream over 15 years is Tk 4.7 billion (USD 83 million).² **Table 1** presents the net annual value of nine selected Hail Haor wetland economic outputs (see **Chapter 2.0 and 3.0** for details). Value is presented in both absolute terms for Hail Haor and per hectare of the Hail Haor maximum area. It should be noted that the per hectare values are for the total Hail Haor output divided by the maximum Haor area. For this calculation the recorded 1999 maximum water area was used (12,300 Ha).

Table 1: Annual value of estimated Hail Haor economic outputs.

Hail Haor Returns	Total Returns (Taka)	Current Returns (TK /HA)*	Percent
Commercial Fisheries	56,272,221	4,575	12.4%
Subsistence Fisheries	83,651,052	6,801	18.4%
Non fish products	126,056,499	10,248	27.7%
Recreation	7,025,634	571	1.5%
Flood Control	23,443,167	1,906	5.2%
Tea estate vegetation use	1,916,761	156	0.4%
Project / Biodiversity Funds	43,650,600	3,549	9.6%
Transportation	8,758,318	712	1.9%
Pasture value	40,292,840	3,276	8.9%
Boro rice value	63,857,500	5,192	14.0%
Water quality	Not Done	Not Done	
Aquifer charge	Not Done	Not Done	
Existence values	Not Done	Not Done	
Total (Tk)	454,924,591	36,986	1
Total USD	\$7,981,133	\$649	

* This figure is total output value divided by total Haor area (12,300 Ha recorded in 1999).

Commercial fishing represents 12.4% of total value and subsistence fishing accounts for 18.4% of the annual Haor value. Significantly the annual value of non-fish aquatic products including aquatic grasses, plants for human consumption, snails, mussels and other products is 28% of the total value. This is the largest single economic output. The importance of dry season pastureland is also very significant at 9% of total value. The share of value for recreation and flood control are 2% and 5% respectively. It should also be noted that the current value of boro rice produced within the Haor wetland area is included (Tk 63 million).

The development project investment attributed to biodiversity preservation is Tk 43 million (9.6%). This represents the discounted value of the MACH project investments and likely foreign development assistance to be provided to Bangladesh due to the biodiversity aspect of the Hail Haor wetland. A number of foreign aid programs and efforts (IUCN, ICLARM, DFID, and Danida) include a strong emphasis on investment for biodiversity preservation.

The estimated annual values for the wetland economic outputs are very conservative. They are conservative because important economic outputs such as water quality improvement and aquifer charge were not included but represent very significant economic outputs. It should also be noted that the Hail Haor has already been substantially degraded from over use, loss of water body connections, water diversion, pollution, conversion to boro rice, and sedimentation from mismanagement of the surrounding watershed. This means

² NPV was calculated for the 15-year period based on a real inflation adjusted interest rate of 5%. See Chapter 2.0 for a discussion of NPV.

that the value of wetland economic outputs would be much greater for a healthy ecosystem managed sustainably.

Table 2 presents the value of output for specific category groupings of economic outputs. It is significant to note that both overall value per Ha Tk 37,986 (**Table 1**) and returns to wetland natural outputs **Tk 31,794** (**Table 2**) exceeds the value of Boro rice production **Tk 18,254** per Ha (BBS 1999). This strongly shows that maintaining and managing wetland resources offers higher economic benefits than conversion of wetlands to boro rice production. It should be noted that this comparison is done on the basis of net economic returns. It was beyond the scope of this study to estimate value addition by each economic output. However, the value added from Haor economic outputs will exceed boro rice value added because boro rice cultivation requires costly inputs (fertilizer, seed, own land, and other chemicals) while harvesting for the majority of haor outputs requires very little capital and cash cost.

Table 2: Hail Haor economic value by output groupings.

Groupings	Current Total Returns (Taka)	Current Returns (TK/HA)*	Comments
(1) Returns to wetlands	391,067,09	31,794	Returns without Boro rice value
(2) Returns to wetlands (no Biodiv)	347,416,491	28,245	Returns without Project Funds and Boro
(3) Returns with no BioDiv Funds	411,273,991	33,437	Returns without Project Funds

The economic returns to the MACH project were also estimated utilizing the bioeconomic model. **Table 3** presents the key parameters and results of this analysis. The parameters used were highly conservative. It was assumed that the project would bring into place an annual increase in productivity for natural resources of 2% per annum and prevent a degradation of 3% per annum over the next 15 years. Based on these conservative estimates of productivity improvements the **B/C ratio is 7.4 and the IRR is 63%** for the MACH Hail Haor investment. An IRR of 63% for a project tasked with developing approaches to improved wetland management is highly significant.

Table 3: Returns to MACH Hail Haor investment.

Parameters:	Annual Project Caused Increase %*	Annual Project Caused Loss Avoided %*
Fisheries	2%	3%
Non fish products	2%	3%
Recreation	5%	0
Results		
B/C	7.4	
IRR	63%	

Note: Time horizon 15 years, MACH investment 2.2 million (USD), with a one-year delay in benefits.

Summary of Recommendations

Based on this conservative estimate of Hail Haor wetland value a number of recommendations are indicated. Policy recommendations stemming from the study include (See **Chapter 4.0** for details):

- **Preservation.** This study provides a basis for wetland preservation because of higher returns than alternative agricultural uses. This is indicated by the higher per hectare productivity for Hail Haor as a wetland rather than for alternative Boro rice production. It should be noted that this recommendation is for broad preservation and conservation of the Hail Haor wetland area.
- **Investment.** This study indicates high potential returns to investment of development resources to rehabilitate wetlands. Returns to very modest increases in wetland productivity (through increased fish or

wetland plant production) are demonstrated to have large economic impacts. The poorer segments of society are major beneficiaries of the benefits from wetlands contributing to national poverty alleviation goals.

- **Watershed rehabilitation and conservation.** Consequent to the above recommendations it is crucial that the watersheds surrounding wetland areas be sustainably managed to control erosion and other negative impacts. Sustainable management of watersheds will have inherent economic benefits and result in preservation of wetland productivity.
- **Social Mobilization and Institutions.** The study results show that wetland economic benefits accrue from diverse sources (nine benefits were quantified). Some of these benefits are also not even fully recognized by recipients (e.g. flood control, water re-charge, development assistance). To preserve and increase the productivity of wetland outputs social mobilization and institutions are required to organize beneficiaries to press for preservation of resources, investment to improve productivity and to organize sustainable management practices to limit over exploitation of resources.
- **Recreational Use.** It should be stressed that survey research to estimate the value of recreation indicated substantial returns to local tourism and significant scope to increase recreational use of the Haor. Currently there are no programs or organized activities to attract tourists to the area aside from limited programs at Teas Estates.

Recommendations for extension of the bioeconomic model and research to support sustainable development of wetland resources in Bangladesh include.

- **Extend research base.** MACH should utilize the methods and the bioeconomic model to estimate the value of wetland economic outputs for other project sites and for the boro haor³. MACH should also seek collaboration with related fisheries and natural resource management projects to conduct such estimations. Establishment of a broader base of results will build the case for policies to preserve and enhance the productivity of wetlands. Estimation of economic value for wetlands in different states of degradation will also yield insights into wetland health and productivity. The models can also be updated for specific wetlands across a number of years to develop a time series that can indicate productivity variation and trend.
- **Identify and Estimate Additional Benefits.** Methodologies should be developed to estimate the economic value of outputs not quantified in this study. Those approaches should be incorporated in the bioeconomic model. It is particularly important to estimate the impact of the Haor on aquifer charge. This is a potentially large economic value since significant agricultural production and drinking water in the area depend on ground water.
- **Modeling Project Interventions.** To more accurately estimate the returns to specific project interventions and justify those interventions estimates should be made for the impact of specific interventions such as fish sanctuaries, reconnection of water bodies, reducing harvest level of effort on wetland productivity.
- **Develop and integrate a watershed bioeconomic model with the wetland model.** The health of wetlands depends on the health of their surrounding watersheds. For Hail Haor there are clear indications that mismanagement of land resources in the watershed is resulting in excessive erosion that threatens to seriously degrade the wetland. To estimate and justify efforts to establish sustainable

³ Partial data has been collected for estimation of the economic output from the boro haor, which is close to the Hail Haor site.

management in the surrounding watershed a bioeconomic model of a similar type should be developed and integrated with wetland model.

- **Watershed Erosion Modeling.** To develop the integrated model and to determine the potential destructive impact of soil erosion on the health of the Hail Haor wetland it is crucial to model surrounding watershed erosion. This modeling effort should include determining the relative causes of erosion (e.g. poor agricultural practices, deforestation, other) and the effect of excessive erosion on Hail Haor water depth of erosion over time.
- **Additional Analysis.** In the course of conducting this study and associated surveys additional data was collected on a variety of topics. Specific topics for which analysis should be conducted include: (1) Analysis of tourism patterns and potential in Hail Haor, (2) Detailed analysis of the products and user types of non aquatic vegetation including impact on poverty alleviation, (3) Examination of resource productivity by state of local beels/habitat.

Appendix-15

Final Report of Hydrology Study

Hydrology

Hydrology study is essential for the proper management of wetlands. Change in eco-system largely depends on hydrology regime. Wetlands ecosystem also depends on the upper watershed hydrology. Degraded watershed caused high runoff and less infiltration which is one of the reasons of insufficient water availability in the streams, rivers and wetlands in the dry season. Also, the high sediment load eroded from the degraded watershed is carried into the stream system and wetlands causing rapid filling of stream beds and Haor basin consequently impacting the biodiversity and eco-system of the Haor Habitat. For this reason, from the beginning of the project, MACH has been giving importance to hydrology study of wetlands as well as upper watershed.

At the three sites of the project, MACH is monitoring various hydrology parameters described below and these are being used for analyzing project impact.

Hydrology Monitoring at Three Sites			
	Sites		
Hydrology Monitoring	Hail Haor	Turag-Bangshi Site	Upper Kangsha-Malijhi Site
Water Levels	√	√	√
Rainfall	√		√
Discharge of River/Stream	√		
Sediment load	√		
Sediment deposition rate in the Haor	√		
Inflow and Outflow of Beels	√	√	

a. Hail Haor Hydrology and Sedimentation Process

Description of the Basin

The word Haor is believed to be corrupted form of the Sanskrit word Shagar (sea) or the Arabic word Bahar (sea). There are 35 large Haors in the Sylhet Division, some of which merge with one another. The Hail Haor is a low-lying depression, located about three kilometers northwest of Sreemongal under Moulvi Bazaar District. The Barsijura and Balishira Hills bound the Haor to the east, the Atarmura Range to the south, and the Satgaon Hills to the west. The watershed area of Hail Haor is about 600 sq. km (237 sq. miles). The basin water originates from the surrounding mostly hilly watersheds of which approximately 85% lies in Bangladesh and 15% in India. The wet season area of Hail Haor is approximately 13,000 ha while the dry season area varies from as low as 500 ha to 4,000 ha.

Due to a variety of manmade changes in the hydrological regimes, the only current outlet of the Haor is the Gopla River. The Gopla flows in a northerly direction from the Hail Haor, then swings sharply and flows southwesterly into the Gunjajuri Haor. The Gunjajuri Haor then drains into the Barak River, which flows through Habiganj and enters into the Surma-Meghna River at Madna.

Hail Haor was formerly connected with the Kushiya and Manu River. A series of flood control dikes along these rivers and a sluice on the Kamarkhali Khal restrict riverine flows and fish access to and from the haor. Another dike, now in disrepair, was built around the northeastern and eastern sides of the haor, supposedly to reduce the impacts of flash floods and to turn the haor into a large reservoir. The Shaka Borak River and Kamarkhali Khal pass through Boro Haor, north of Hail Haor and if it were not blocked, would connect Gopla with the Kushiya River.

Most of the water in the haor originates from the 44 major hill streams, locally called "Chara", that flow into the Haor. A large number of smaller seasonal streams also feed into the haor. Among the charas, Bilashi Chara is the largest stream in the Hail Haor stream system, accounting for about 30% of the total flow. Other major charas include the Udna, Jag, Shaon, Joinka, Kodali and Alia. The overall length of the smaller streams range from a minimum of about 2 km to a maximum of 10 km, while the Udna-Lungla-Bilashi system has a length of around 15-20km.

Hydrology Studies

Given the importance of water to the people, to fish and all the other natural resources of the haor resource base, MACH has identified a number of hydrological parameters for close monitoring and systematically measured those parameters. These included rainfall gauge setting in two locations, water-level recording at four locations within the haor, stream flows and siltation recording at 22 choras as well as silt deposition using silt traps located at different positions in the haor. The annual average sediment load of charas draining to Hail Haor basin has been around 100,000 tons and the annual rate of haor filling is about 5 cm. The detailed data and analysis results are incorporated in the MACH Hydrology report.

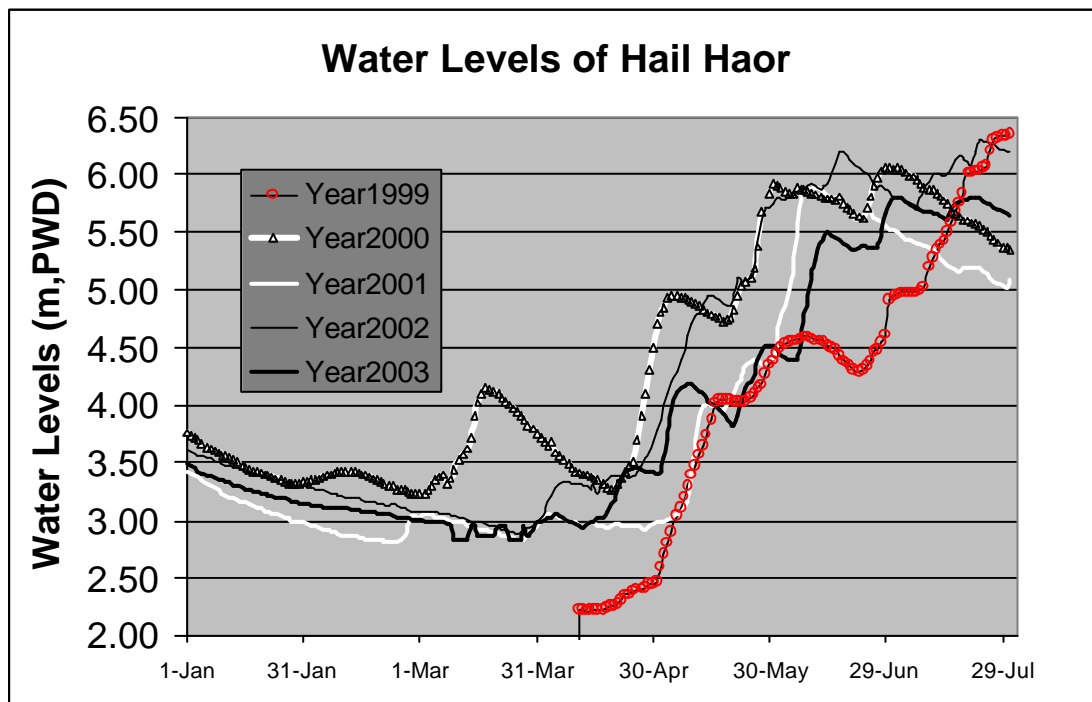


Figure 1: Water level variation in the Hail Haor at the location of Cheoradubui beel in the year 1999, 2000, 2001, 2002 and 2003 from January to July

Figure 1 shows the yearly variation of water levels in the Hail Haor at Cheoradubi beel point. In 1999 the haor retained only a few centimeters of water during the dry season. Water level was higher in the dry season of 2000 because of comparatively more rainfall during that period. Year 2001 was a moderate year. Because of low water retention, MACH physical intervention in the haor continued till the end of April 2001. However, in 2002, water level receded slowly till the end of March, and began to increase from early April. Usually water level begins to increase at the end of April or beginning of May. Also, this year, the water retention period above 5.5m PWD (about 10 ft depth of water) was longer than the previous 2 years. Year 2003 was also a moderate year; water in the dry period (2003) was relatively lower than the last year (2002). Early monsoon flood onset in 2003 was earlier than the last four years.

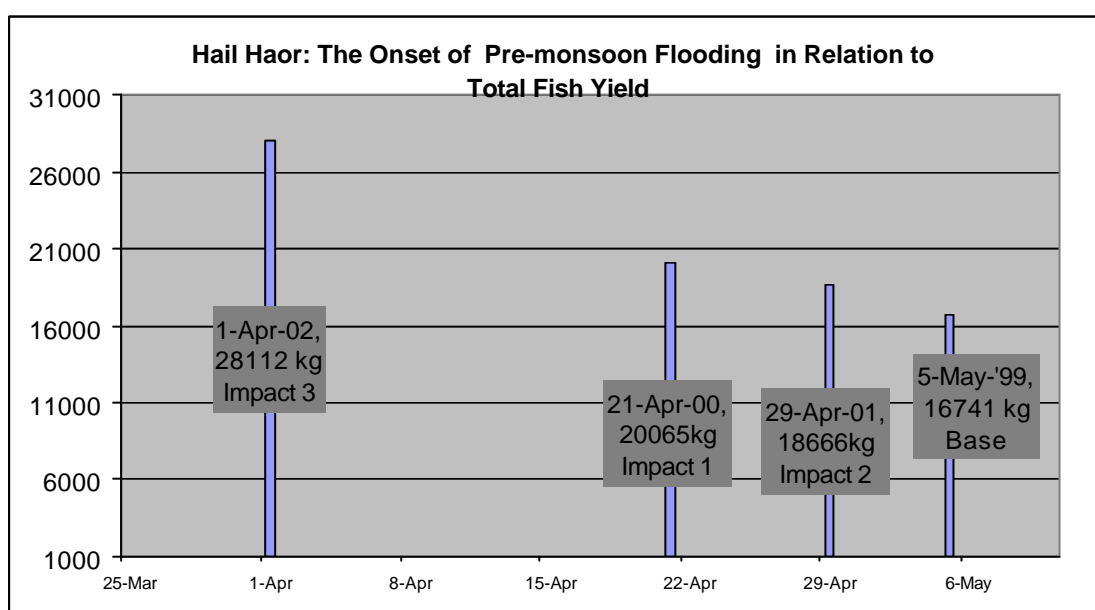


Figure 2: Hail Haor: The onset of pre-monsoon flooding in relation to total fish yield

From the 5 years hydrology data, it is observed that water level of Hail Haor begins to rise in April-May. The date of pre-monsoon flood commencement is one of the major factors which impacts on yearly fish production as this is the fish breeding time, and the earlier the flood-water level rises in April, the more breeding will take place and more production may be expected if other conditions remain un-changed. Analysis shows that in the base year (1999), pre-monsoon flood onset was on 6 May,99 which is comparatively late and fish production was only 171.08 kg/ha. Impact-3 showed highest yield of 287.28 kg/ha because of the earlier flood onset. Therefore for Hail Haor, April to May might be termed as the critical period for total fish yield, i.e. the earlier the flood comes, the higher would be the fish production.

Chhara Study

The charas (streams) of Hail Haor have both year-round and seasonal flows depending on the size and nature of their watershed. Flows in perennial streams are negligible in the dry season (January-April) with little if any surface water reaching the haor (largely because of water used in the upstream for *Boro* rice irrigation). In the wet season (May-October), all streams carry significant water to the haor. A total of 22 charas including the secondary streams have been monitored regularly for water and sediment discharge from November 1999 to October 2000. From November 2000, only four charas, i.e. Jag, Joita,

Boula and Alia are being monitored regularly; monitoring includes recording the flow and sediment contents of the flowing water (these streams carry the highest sediment and have water flow throughout the year) and water samples were collected once a week during the wet season.

Besides the regular monitoring, MACH conducted an intensive hydrology monitoring in the Jag and Joita choras to investigate the rainfall - runoff - sediment flow relationship correlating it to different land use patterns. The study results will help appreciating the impact of various land use types on watersheds and help defining the appropriate management of the watershed and wetlands as a whole (the entire catchment).

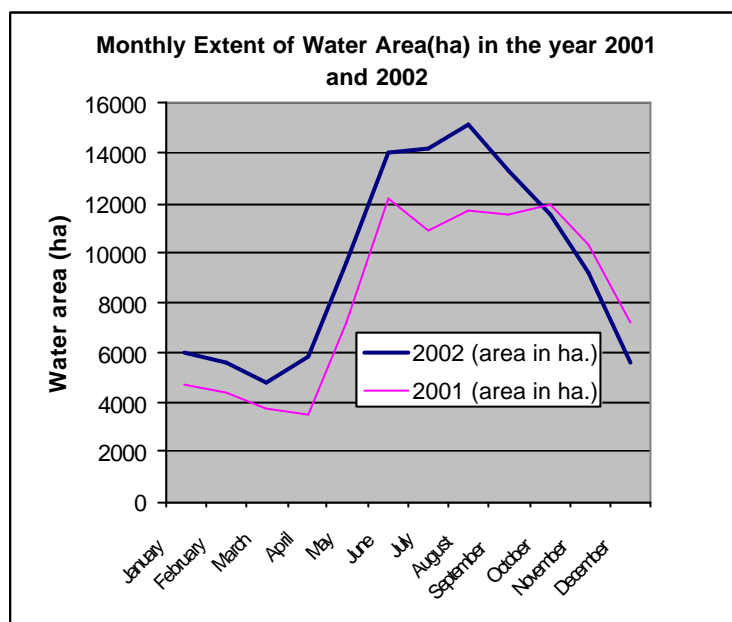


Figure 3: Monthly expanse of water surface in the Hail Haor during the year 2001 and 2002

During 2002, the Haor retained more water especially during May-October period compared to 2001. This data when used in conjunction with fish catch monitoring data reveals a close correlation of catch variation from year to year on the basis of Haor water level variation.

Recommendation: Hail Haor

One of the objectives of the study was to understand the status of the sub-watershed with respect to soil degradation. Analyses of the two *Charas*, Joita and Jag, showed high siltation rate. The eroded sediments are carried by the streams and ultimately reach the haor, filling the wetland basin beds. If increased siltation rate continues for a decade, centimeter by centimeters sediment will settle at the basin bottom and many *beels* will lose their perennial nature. Consequential effects will be: loss of the expanse of dry season aquatic habitat and loss of brood fish. Remedial measures lie in undertaking activities that would slow down/reduce sediment transport.

Check dam construction: One immediate remedial measure for stopping the watershed silt reaching the Haor basin could be to have check dams constructed at some conspicuous locations on a few heavy sediment carrying streams to trap a portion of the sediment. Check dam concept is new for Bangladesh but widely used elsewhere in countries like Indonesia, Philippines, India and Pakistan. It is also known as

sediment storage dam. The dam is designed to intercept and trap waterborne sediments. It has a principal spillway that allows water to slowly flow through, allowing the sediments to settle down. The spillway may be in the form of notch or box inlet. During the project implementation period, Chara Resource Management Organizations (CRMOs) have been formed in a number of stream reaches. Through the Investment Support Fund of MACH, several check dam construction programs may be undertaken on experimental basis and managed by the CRMO. The CRMOs would be required to remove the trapped sediments from the dam site on a regular basis to make room for fresh silt reception but, incidentally, the trapped sediments are a grade-1 quality sand for construction purposes and are in great demand in the local market. The CRMOs could therefore earn handsome revenue by selling these sands. This would on one hand broaden the liquidity position of CRMOs as the grassroot people's organisation and on the other hand, greatly reduce the quantity of sediment reaching the wetlands.

One to two check dams are being planned for execution in the next year (2004) depending of course on the availability of the ISM fund expected to be released in the first or second quarter of fiscal 2003-2004.

Bank protection: Some locations of stream banks are vulnerable to scouring erosion. These vulnerable portions of the chara banks were protected in the project period and will also need appropriate protection measures in the future.

Long-term Restoration and Conserve Measures: Check dams are not the permanent solution for stopping the more rapid sedimentation that has been occurring over the past decades. To sustainably reduce the soil erosion, proper soil conservation and watershed management will need to be undertaken and that will require the active participation of the local community. In its first phase, MACH has endeavored, with people's participation, to undertake interventions that will bring sustainable remedial measures. However, the following measures will continue to be in the focus of future MACH activities and emphasized by MACH Management:

Watershed restoration and regulation of Watershed land use:

Watershed especially the hilly upper reaches need both reforestation, afforestation and regulation of improper land use to conserve soil and water. For these remedial measures, MACH established contact and coordination with Tea planters, Pineapple growers and local land owners to bring their fallow land under tree cover and practice scientific land use following soil and water conservation contrivances. Some good progress has been made in tree plantation on tea garden fallow lands and outstanding progress achieved in motivating change to contour pineapple gardening in substitution of soil erosion provoking traditional system of 'across the contour planting'. MACH effort in change over to contour cultivation has been positively received by professional pineapple garden owners with ever expanding number of growers switching over to contour cultivation. The efforts and programs in this regards should continue in the future also.

Riparian plantation: Riparian plantation along chara banks helps stabilization of the stream banks by root anchorage of the planted trees and thereby reduce the risk of bank erosion. To some extent, planting also reduces sheet erosion by physical obstruction to the carriage of sediment particles from the hillside. Plantations established during the project period has given practical demonstration of bank stability, and the program should continue for the extended period of the project.

Proper use of stream water: Streams are the only source of irrigation water for agriculture in Hail Haor. Wherever irrigation water is needed, earthen dams are constructed across the stream to pool water and use it for irrigation either by gravity flow or by employing lowlift pump. Water that used to reach the haor

uninterrupted during the dry season no longer can do so because of these irrigation dams causing lower water levels in the Haor during dry season. Diversion of the water sometimes continues even after the demand of water for irrigation is fulfilled. This practice needs to be regularized by activating CRMOs and contacting local UP leadership

b. Hydrology and Water Resources of Turag-Bangshi Project Area

Background : The Turag-Bangshi river basin is located in the North Central Region of Bangladesh. This region is bounded by Jamuna, Padma, Old Brahmaputra and the Sitalakha river river system; Jamuna on the west, Old Brahmaputra on the north and northeast, and Sitalakha on the east. Other important waterways are the Dhaleswari-Kaliganga River, which crosses the southwestern part of the region. Besides these main rivers, the region is drained by many small rivers such as, Bangshi, Pungli, Banar etc. The MACH project area consists of a portion of the Turag-Bangshi River and their adjacent wetlands within Kaliakoir Upozila of Gazipur District and a small portion within Mirzapur Upozila of Tangail District.

Typical of most low-lying floodplains of Bangladesh, the Turag-Bangshi River runs through the site with numerous beels on either side of the river. At the beginning of the rainy season, as floodwaters enter the upstream portions of the Bangshi, water spills over the riverbanks through canals/khals that connect the river to those adjacent beels. Fish, for the most part, move from the rivers to the beel/floodplain areas for spawning or nursing and then into the deeper perennial portions of the beels or back into the river as water recedes after the rains. Due to the dry season reduction in water levels caused by Farraka Dam in India, ground and surface water extraction for boro rice irrigation, and reduced flows due to deforestation in local and upper-watershed areas, dry season water levels in the local rivers and beels are much reduced. In drought years flows cease in the formerly perennial Turag River. The fish remain only in river pools (called '*kum*'s) and in the deepest portions of the beels (called '*doha*'). Annual fish production is dependent largely on the breeding populations that remain in the kums and *dohas*.

Within the Turag site, a total of 26 beels exist that have a water surface area of approximately 10,000 ha at full flood, which is reduced to less than 700 ha. at the end of the dry season. The Turag River runs for approximately 30 km through the site and another 28km of khals exist within the area. The hydrology of the Turag-Bangsi Flood Plain, like that in all other similar areas of Bangladesh, is determined principally by the monsoon occurring from May- October followed by a dry period from November-April. The availability of water determines fish production, the agriculture cycle and the live style of the people of the area. At the Turag site, rainfall, river and beel water regimes including tidal effects have been studied. The project study also included water extraction from the Turag within the project area.

Rainfall data is obtained from the BWDB rain gauge station at Mirzapur. The records show that on average less than 3% of the rainfall occurs in the period December-March, less than 20% in the pre-monsoon period March-May and the remainder in the period June-October. Water level and tidal variation has been obtained from BWDB records at Kaliakoir town and from water gauges set and inflow and outflow monitored by the project in Mokas and Alua Beels and the Turag River. Historical data has shown that, while rainy season flows have maintained the same levels over the last 50 years, dry season water levels have declined. The primary cause is worsening effects of Farraka Dam in India and more recently water extraction for dry season *Boro* rice irrigation and upper watershed deforestation.

Water Level Variation in the Beels. Water levels have been monitored in the two major beels of the site, Alua Beel and the Mokesh Beel. Two manual gauges were installed in the beels in the month of May 1999. Another gauge has been placed in the Turag River. The inflow and outflow of Mokesh and Alua beel are being monitored. Water level readings have been taken daily, since the installation. Since the

two beels lose their connection with the Turag in the dry season, no tidal fluctuation is visible in the beels during this time.

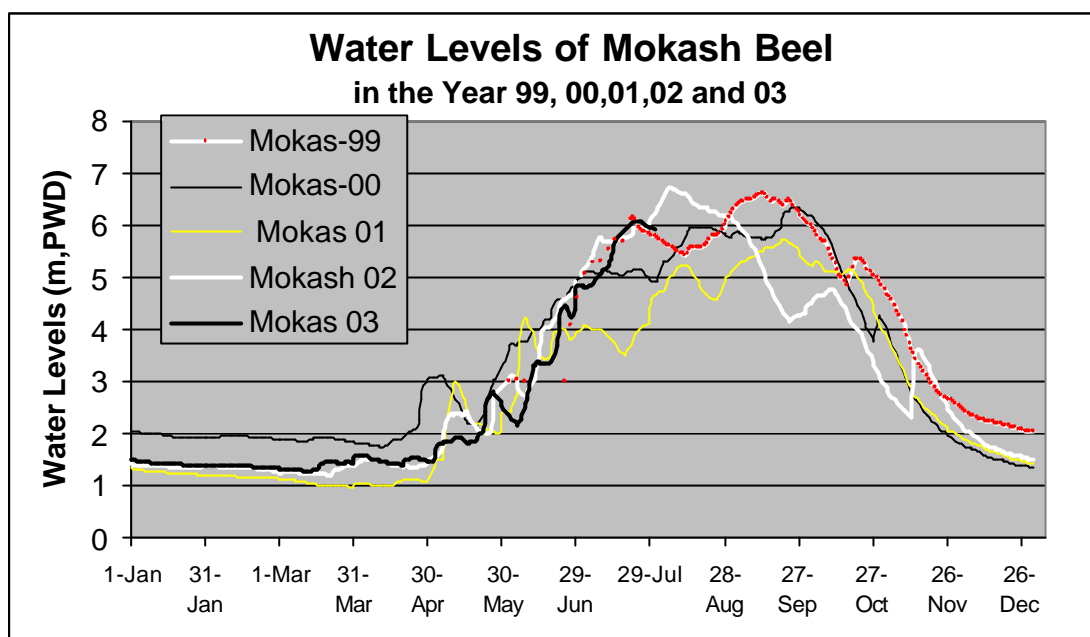


Figure 4: Water levels of Mokas Beel in the years 2000, 2001, 2002 and 2003

Figures 4 show s the water level of Mokes h Beel for the years 2000, 2001 , 2002 and 2003. In four years, similar trend is observed from January to May. Water level begins to rise in May of 2002 but in the previous year, water levels were far below during this same period. At the end of June 2002, water level exceeded 2001's level due to the heavy downpour during this month. This year (2003) water levels followed the same trend of last year.

Recommendation: Kaliakoir site. Forty years ago, the Turag River flowed throughout the year with little visible tidal influence. All the surrounding beels had perennial parts. Large carps and catfish constituted a considerable portion of the catch. In 1999, the Turag ceased to flow for most of March and April. With exception of one beel, all the 26 beels in the area dried up by late March. The decline in fish catch caused migration of professional fishers to other parts of the country.

The water issues of this area, as in most other areas of Bangladesh, are primarily due to large-scale events outside the control of local decision makers. Farraka Barrage in India and deforestation of Indian, Nepalese and Bhutanese watersheds are issues that require national and international agreement. However, national and local decision makers can take steps to ameliorate some of the impacts. At a national level, this would involve a change in the unsustainable expansion of *Boro* Rice cultivation and its huge irrigation requirement. Additionally, policy decisions that would lead to re-establishment of forest cover in riparian corridors and government-controlled forests would help reducing soil erosion and consequent siltation of river and stream beds and improve dry season flows.

c. **Malijhi-Upper Kongshaw Basin (Sherpur) Hydrology and Water Resources**

The Sherpur project site is a flash flood prone area. The farmers of the site suffer repeated heavy damage of their crops by the flooding from Shomeswari, Malijhi and Chellakhali Rivers. In each year, flash flooding occurs in these rivers for more than once and water spills over river bank flooding a large portion of the project area. These flash floods discourage intensive pond aquaculture in the area. Continued flood damage to the monsoon crop force farmers to shift to dry season *Boro*. The resulting increase in extraction of surface and ground water for irrigation pose potential damage to wetlands and the environment in general during the dry season.

River Network. The major rivers of the project site include the Shomeswari, Malijhi, and Chellakhali; all originate from a small watershed within the Garo or Meghalaya Hills of India. These rivers form part of the upper watershed of the Sylhet Basin. All flow into the Sherpur basin and then out to the Bugai, the Kangsa and eventually the Sylhet Basin and the Meghna River.

i.) **Malijhi River:** The Malijhi River originates in the Meghalaya Hills (Tura Range) and has a catchment of 160 km² within India. After entering Bangladesh the Malijhi continues southwards, it receives inflow from several channels and the Shomeswari River, which originates from Darong Hills virtually doubles the Malijhi flow. The river then passes through a series of beels to the north of Sherpur after which it receives Chellakhali River flow and joins the Bhogai at Danakusa below Nalitabari. Malijhi carries huge sediment during the monsoon.

ii.) **Chellakhali River:** The Chellakhali River also originates in the Tura Range of the Meghalaya Hills and has a catchment of 120 km² within India. Within Bangladesh, the Chellakhali continues southward and passes through a series of beels south of Nalitabari before flowing into the Malijhi River. This is one of the most sediment-carrying rivers in the project area.

iii.) **Shomeswari River:** Shomeswari River originates from Darong Hills of Meghalaya Hill and has a catchment of 175 km². Actually Shomeswari is not a single river originating from Darong Hills, there are several channels of Darong Hills entering Bangladesh with different names like Shomeswari, Kalghosha nodi, Mora nodi etc but the combined flow known as Shomeswari River. The river passes through a series of beels to the north of Sherpur and then joins with Malijhi near Surihara north of Sherpur.

Areas under study by the project include recording water levels at seven stations in the rivers, rainfall at one point of Tinani Bazaar, water and sediment flows at four sections of the Malijhi system.

Climate: There are no climate stations within the basin. Mymensingh climatological station, though located outside the basin, is the nearest relevant station. Maximum temperatures in the area vary from about 29 to 30 degrees C with the highest temperatures experienced between March and October. Minimum temperatures range between 16 and 20 degrees C.

Rainfall: There is an increasing trend of rainfall from south to north of the area. The mean annual rainfall varies from 2800mm to 4400mm. One rain gauge is placed at Tinani bazaar in Jhenaigati union. Daily rainfall records have been kept since September 2000.

Evapo-transpiration: Annual potential evapo-transpiration as measured at Mymensingh is 1506mm with the lowest monthly amount in December (87 mm) and the highest in April (162mm).

Water Levels in the Rivers and Beels. Five water level gauges are in operation in Sherpur site from June 2000. These are: Malijhi river at Tinani bazaar, Chellakhali river, near Kapashia bridge, Baitkamari

bridge and Dholi beel of Jhenaigati union. Another two gauges are in operation at Kewta beel and Tenachura Bridge from May 2001. It was the common belief that rivers of Kangshaw–Malijhi basin drained only into Malijhi River. After the field investigation, it was observed that a large portion of the basin water drained into Mrigi river of Sherpur town and ultimately to the Old Brahmaputra. This new phenomenon started about 7/8 years ago. The change of this course is due to the siltation at the Shomeswari –Malijhi confluence and the digging of Tenachura khal, which connects Mrigi River. A gauge has been placed at the Tenachura Bridge on the Tenachura Khal near Votpur village of Sreebordi Thana to monitor the water levels as well as the flow direction of the khal (MACH Hydrology Report 2002).

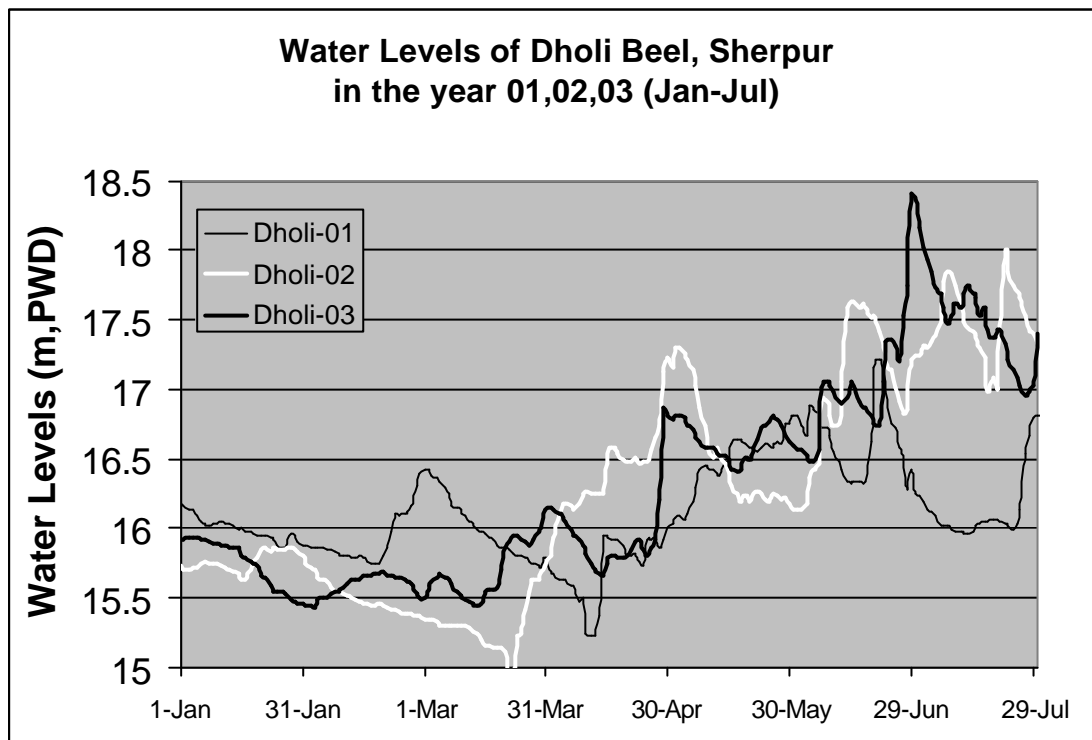


Figure 5: Water levels of Dholi beel in the year 2001, 2002 and 2003 (Jan- Jul)

Figure 5 shows the water level of Dholi beel site of Jhenaigati Upozila in the year 2001, 2002, and 2003. The site received higher intensity rainfall in the year 2002; rainfall was 3416 mm (Jan-Dec 2002), almost double of the previous year's (2001) rainfall, 1835mm. Occurrences of flash floods are also observed from the graphs. Usually 5 to 7 floods occur in a year due to local rainfalls as well as rainfalls from outside Bangladesh. Field data shows that the water levels began to rise in the first week of April this year (2002) whereas it was about two weeks later in 2001. Pre-monsoon flood onset was earlier in 2003.

Recommendation: Sherpur site. Major problems in the Kangshaw-Malijhee site are flash floods and siltation. The site is a flash flood prone area but the situation has been further aggravated by unplanned local road network development and siltation of the channels. A preliminary survey revealed that on the Sherpur-Nalitabari highway, there are 29 bridges/culverts along its 26 km length (average opening is 1.29 m per 100 m). Insufficient openings were also found on the Nalitabari-Nokla highway (2%).

Shomeswari and Malijhi carry huge sediment from their upper reaches. Some beels along the course of the Shomeswari have almost been silted up (Gozarmari beel for example is threatened). A survey was conducted at one location along the Chellakhali River where commercial sand mining is practiced. It was found that around 100,000 tons of sand was being transported each year from the one site. Kalaghosha River, which happens to be a small river, carries a very large quantities of sediment each year. Immediate measures need be taken to reduce the sediment intrusion into the beel areas. Riparian plantation and upper watershed revegetation may reduce the sedimentation but it is a cross border problem requiring an international understanding and action program. On the Bangladesh side, on an experimental basis, a check dam construction can be explored for the Kalaghosha river of Jhenaigati Upozila.



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