

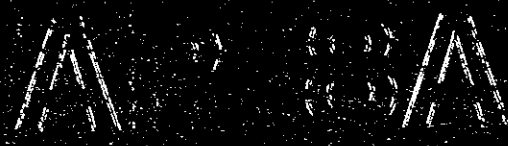
THE UNIVERSITY OF THE SOUTH PACIFIC
DEPARTMENT OF SOCIAL DEVELOPMENT

MAZELIYAN

1970

MAZELIYAN IS A TRADITIONAL DANCE OF THE
PEOPLES OF THE SOUTH PACIFIC ISLANDS.
IT IS A DANCE OF THE MAZELIYAN PEOPLE.

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THE PEOPLE'S REPUBLIC OF BANGLADESH
FLOOD PLAN COORDINATION ORGANIZATION

MASTER PLAN
FOR
GREATER DHAKA PROTECTION PROJECT
(STUDY IN DHAKA METROPOLITAN AREA)
OF
BANGLADESH FLOOD ACTION PLAN NO.8A

FAP 8A

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DATA BOOK II
LAND USE AND URBAN PLANNING
FLOOD AND FLOOD DAMAGE
LIVING ENVIRONMENT
FLOOD MITIGATION

NOVEMBER 1991

JAPAN INTERNATIONAL COOPERATION AGENCY

国際協力事業団

23921

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1.1 Population and Land Use Data by zone 1990

EXISTING URBAN AND RURAL AREA IN THE STUDY AREA(1990)

Greater Dhaka	POPULATION		LAND USE COMPOSITION					URBAN TOTAL					RURAL TOTAL					POPULATION DENSITY		URBAN BUILD UP		
	Total area	Res'tial	Com'cial	Indus't	Inst'nal	Others	Road	Village	Agrt	Water	URBAN TOTAL	Water	Agrt	Village	Others	Road	Gross	Urban	Res'l	URBAN	BUILD UP	
2 Rural	0	198	0	0	0	0	7	0	0	86	45	0	0	0	0	132	0	0	0	5%	7	
3 Rural	0	90	0	0	0	0	4	0	0	36	50	0	0	0	0	86	0	0	0	5%	4	
4 Rural	0	22	0	0	0	0	2	0	0	11	8	0	0	0	0	19	0	0	0	11%	2	
5 Rural	5,435	161	0	0	0	0	9	0	0	60	83	0	0	0	0	152	34	302	604	11%	18	
6 Rural	119	21	0	0	0	0	2	0	0	4	15	0	0	0	0	19	6	60	238	10%	2	
10 Rural	0	19	0	0	0	0	10	0	0	7	2	0	0	0	0	9	0	0	0	52%	10	
11 Rural	0	3	0	0	0	0	3	0	0	0	0	0	0	0	0	3	0	0	0	100%	3	
12 Rural	0	4	0	0	0	0	4	0	0	0	0	0	0	0	0	4	0	0	0	100%	4	
17 Rural	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	100%	1	
24 Rural	1,351	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,702	2,702	3,378	100%	1	
25 Rural	435	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	725	725	4,350	100%	1	
31 Rural	1,082	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	773	773	2,164	100%	1	
54 Rural	0	100	0	0	0	0	44	0	0	56	0	0	0	0	0	56	0	0	0	44%	44	
56 Rural	0	58	0	0	0	0	22	0	0	30	6	0	0	0	0	22	0	0	0	38%	22	
63 Utar Khan R	1,473	142	0	0	0	0	0	0	0	11	124	7	0	0	0	142	10	138	138	8%	11	
64 D. Khan Cant. R	2,994	34	13	0	0	0	0	0	0	9	6	0	0	0	0	19	88	157	161	58%	19	
66 Harirampur R	0	123	0	0	0	0	50	0	0	53	24	0	0	0	0	77	0	0	0	39%	50	
72 Berail U. Gull R	7,955	151	0	0	0	0	0	0	0	116	0	0	0	0	0	151	53	227	227	23%	35	
74 Berail Demra R	917	32	0	0	0	0	0	0	0	27	0	0	0	0	0	32	28	170	170	17%	5	
75 Demra R	3,049	62	0	0	0	0	0	0	0	45	4	0	0	0	0	62	49	219	219	22%	14	
76 Matua GD R	243	19	0	0	0	0	0	0	0	10	0	0	0	0	0	12	13	26	106	49%	9	
102 Sultaniganj R	5,596	34	28	0	0	0	0	0	0	6	6	0	0	0	0	6	163	201	201	81%	28	
RURAL TOTAL	30,659	1,220	43	1	7	1	157	1	77	670	250	214	1,003	25	1093	25	195	246	24%	251		
Gross ratio																						
Net ratio																						
1 Urban	66,772	398	118	1	0	0	128	71	52	20	10	0	0	0	0	368	30	168	181	56%	368	
2 Urban	121,457	161	58	2	0	0	10	9	0	41	95	0	0	0	0	95	67	1,427	2,073	47%	25	
3 Urban	78,289	62	41	4	1	3	2	2	2	0	6	0	0	0	0	6	1,236	1,375	1,884	90%	56	
4 Urban	52,585	147	71	4	1	16	2	2	2	0	3	0	0	0	0	3	357	468	682	76%	112	
5 Urban	56,318	175	62	3	4	1	1	1	1	0	25	64	0	0	0	88	321	647	905	50%	87	
6 Urban	27,164	163	73	2	24	7	3	15	6	0	35	122	0	0	0	40	167	212	347	79%	128	
7 Urban	56,788	239	157	9	0	22	20	31	0	0	0	0	0	0	0	239	0	237	361	100%	239	
8 Urban	44,959	83	54	11	1	5	1	12	1	0	0	0	0	0	0	83	0	544	636	100%	83	
9 Urban	47,875	108	49	16	0	28	7	11	0	0	0	0	0	0	0	109	0	440	440	100%	109	
10 Urban	83,403	177	43	2	4	65	6	17	0	0	40	0	0	0	0	137	40	472	610	1,967	77%	137
11 Urban	54,797	68	33	6	0	4	16	7	0	0	1	0	0	0	0	67	1	802	817	1,655	98%	67
12 Urban	115,488	64	42	1	5	5	2	10	0	0	0	0	0	0	0	64	0	1,796	1,796	2,769	100%	64
13 Urban	42,182	61	34	2	0	11	3	12	0	0	0	0	0	0	0	61	0	698	698	1,237	100%	61
14 Urban	15,704	66	7	2	0	30	16	10	0	0	0	0	0	0	0	66	0	238	238	2,181	100%	66
15 Urban	34,348	29	21	2	0	2	1	4	0	0	0	0	0	0	0	29	0	1,184	1,184	1,643	100%	29
16 Urban	90,988	48	19	2	11	2	5	0	0	0	0	0	0	0	0	48	0	2,000	2,000	4,764	100%	48
17 Urban	25,588	26	4	6	0	12	1	4	0	0	0	0	0	0	0	26	0	973	973	6,397	100%	26
18 Urban	16,603	32	16	9	1	2	0	0	0	0	0	0	0	0	0	32	0	516	516	1,064	100%	32
19 Urban	48,778	42	14	13	0	5	5	5	0	0	0	0	0	0	0	42	0	1,175	1,175	3,411	100%	42
20 Urban	75,488	47	31	6	0	3	1	6	0	0	0	0	0	0	0	47	0	1,616	1,616	2,458	100%	47

District	Block	POPULATION	LAND USE COMPOSITION										POPULATION COMPOSITION										URBAN BUILT UP AREA		
			Total area	Res'tial	Com'cial	Indus'tl	Inst'nal	Others	Road	Village	Agri	Water	URBAN TOTAL	RURAL TOTAL	Gross	Urban	Res't	URBAN RATIO	BUILT UP AREA						
NARAYANGANJ	92 N. ganj 8 U	11,660	74	17	41	0	0	0	0	0	0	0	3	3	0	68	6	158	166	594	70	96%			
	93 N. ganj 9 U	17,268	330	13	1	13	2	2	152	128	7	43	266	52	28	89	104	59%	196						
	94 N. ganj 10 U	17,925	260	47	0	6	11	14	63	107	12	78	182	89	127	164	54%	141							
	95 N. ganj 11 U	23,862	302	30	0	7	4	33	12	63	177	0	87	215	79	191	349	41%	125						
	96 N. ganj 12 U	14,702	66	14	0	9	0	9	4	14	6	36	20	263	294	533	89%	90							
	97 Tarabo U	38,927	173	3	1	8	0	12	82	4	5	23	90	326	351	438	93%	105							
	98 Kachpur U	19,987	159	11	0	17	0	10	91	19	5	38	114	131	155	197	84%	126							
	URBAN TOTAL	1,049,610	8,821	1,463	120	357	105	240	1,325	4,080	508	2,708	6,113	119	248	351	48%	4,232							
	Gross ratio																								
	Net ratio																								
NARAYANGANJ TOTAL		1,110,616	10,095	1,508	149	460	111	279	438	1,662	4,825	7,150	110	241	350	48%	4,607								
Gross ratio																									
Net ratio																									
Tongji																									
LAND USE COMPOSITION																									
POPULATION COMPOSITION																									
60 Gaccha R	1,750	80	0	0	0	0	0	0	10	65	5	80	22	175	175	13%	10								
62 Tongji R	3,063	1,293	0	0	0	0	0	15	1,241	2	2	1,288	2	204	204	1%	15								
RURAL TOTAL	4,813	1,338	0	0	0	0	0	25	1,306	7	0	1,338	4	193	193	2%	25								
Gross ratio																									
Net ratio																									
62 Tongji U	138,196	2,430	279	55	304	22	27	83	267	1,948	50	765	1,585	57	134	256	42%	1,032							
URBAN TOTAL	138,196	2,430	279	55	304	22	27	83	267	1,948	50	765	1,585	57	134	256	42%	1,032							
Gross ratio																									
Net ratio																									
TONGJI TOTAL	143,009	3,768	279	55	304	22	27	83	292	2,654	57	765	3,003	38	135	253	28%	1,057							
Gross ratio																									
Net ratio																									
Keranigani																									
LAND USE COMPOSITION																									
POPULATION COMPOSITION																									
99 Jhokra R	0	15	0	0	0	0	0	0	0	14	2	0	15	0	15	0%	0								
100 Kairadi R	3,228	480	0	0	0	0	0	0	31	435	15	0	480	7	104	104	6%	31							
101 Subhadhya R	18,852	427	0	0	0	0	0	0	14	411	2	0	427	39	1,230	1,239	3%	14							
113 Taransaga	27,930	1,950	0	0	0	0	0	27	1,78	1,659	87	27	1,923	14	136	157	11%	205							
114 Kaulia	31,127	1,800	0	5	0	0	0	22	1,62	1,396	215	27	1,773	17	165	192	11%	189							
115 Sakia	39,432	1,840	0	0	0	0	0	44	246	1,491	69	44	1,796	21	133	156	16%	250							
116 Rujhpur	22,160	1,935	0	0	0	0	0	75	128	1,400	392	75	1,860	11	109	173	11%	203							
117 Bastia	27,637	1,973	0	5	0	0	0	34	169	1,367	398	38	1,934	14	133	164	11%	207							
118 Teguria R	20,290	1,235	0	0	0	0	0	6	115	1,105	9	6	1,220	16	167	177	10%	121							
119 Konda R	33,256	2,303	0	0	0	0	11	12	209	1,749	320	25	2,278	14	142	159	10%	233							
Others	0	650	0	0	0	0	0	0	0	600	50	0	650	0	0	0	0%	0							
RURAL TOTAL	220,910	14,808	0	10	0	11	2	220	1,251	11,627	1,488	242	14,366	15	148	177	10%	1,493							
Gross ratio																									
Net ratio																									
99 Jhokra U	91,462	375	190	4	7	0	29	17	51	24	53	128	247	244	307	380	79%	298							

Savar	POPULATION										LAND USE COMPOSITION										URBAN				RURAL				POPULATION DENSITY				URBAN BUILT UP	
	Total area	Res'tial	Com'od'l	Indust'l	Inst'l't'l	Others	Road	Village	Agri	Water	TOTAL	Water	TOTAL	Gross	Urban	Res'l	Gross	Urban	Res'l	RATIO	AREA	RATIO	AREA	RATIO	AREA	RATIO	AREA							
100] Kalindi U	12,905	242	20	0	0	0	92	7	9	29	31	119	123	59	106	566	50%	122																
101] Subhadra U	95,495	731	34	0	10	0	9	10	123	513	3	62	668	131	516	810	25%	185																
118] Teertha U	6,763	208	0	0	0	0	0	2	26	175	2	2	206	33	223	236	15%	30																
119] Konoda U	14,253	872	0	5	1	0	5	90	635	137	11	11	862	16	143	159	11%	100																
URBAN TOTAL	220,878	2,427	243	4	21	1	130	42	295	1,463	226	440	1,907	91	301	410	30%	735																
Gross ratio																																		
Net ratio																																		
KERAMGANJ TOTAL	441,768	17,035	243	13	21	12	131	261	1,546	3,093	1,715	692	16,353	26	198	247	13%	2,228																
Gross ratio																																		
Net ratio																																		
Savar																																		
57] Savar R	5,396	526	0	0	0	0	0	0	38	448	40	0	535	10	142	142	7%	38																
70] Kaundia	24,301	1,045	139	7	12	22	8	21	28	716	52	210	835	23	102	146	23%	237																
71] Amin Bazar	27,054	655	65	0	0	0	11	14	25	527	13	90	565	41	234	298	18%	116																
103] Birella R	4,898	1,615	0	0	0	0	0	5	20	1,592	8	5	1,610	3	193	242	2%	25																
105] Tetulbhora	25,590	1,773	0	0	0	0	0	38	144	1,543	49	36	1,737	14	143	178	10%	179																
106] Kashimpur R	10,935	1,145	0	8	0	7	2	10	68	919	131	28	1,118	10	115	162	8%	95																
107] Yeapur R	12,908	1,153	0	0	0	0	0	12	90	973	79	12	1,142	11	128	144	9%	101																
108] Ashulia R	6,958	1,067	0	0	0	0	18	2	38	958	54	19	1,048	6	124	190	5%	56																
109] Pathalia R	25,892	696	0	0	0	0	0	4	223	408	64	4	696	37	114	116	32%	227																
110] Sarangam R	20,911	1,990	0	0	0	0	20	14	250	995	100	34	1,345	15	73	83	21%	284																
111] Yeapur R	14,991	1,080	0	0	0	0	0	13	220	727	120	13	1,067	14	64	68	22%	233																
112] Bhakura	25,904	2,265	0	0	0	0	0	19	220	1,827	102	13	2,247	16	151	163	10%	238																
RURAL TOTAL	215,598	14,403	204	15	12	30	59	148	1,361	11,725	850	468	13,935	15	118	138	13%	1,828																
Gross ratio																																		
Net ratio																																		
109] Birella SR	3,258	921	0	0	0	0	0	0	6	999	14	2	919	4	430	539	1%	9																
104] Dharmsona SR	0	419	0	0	0	0	0	7	19	364	28	7	412	0	0	0	5%	27																
106] Kashimpur SR	4,712	413	0	1	0	0	0	7	17	376	13	5	406	11	191	279	6%	25																
107] Yeapur SR	5,532	719	0	0	0	0	0	27	38	645	9	27	692	8	84	144	9%	66																
108] Ashulia SR	4,578	1,748	0	0	0	0	70	15	65	1,593	5	65	1,663	3	31	70	9%	150																
110] Banaganj SR	1,095	43	0	0	0	0	1	1	13	23	5	2	41	25	73	84	35%	15																
S. RURAL TOTAL	19,176	4,263	0	1	0	0	71	59	159	3,899	75	130	4,133	4	66	121	7%	289																
Gross ratio																																		
Net ratio																																		
57] Savar U	79,716	2,434	281	35	26	382	88	38	125	1,253	198	859	1,576	33	81	192	40%	983																
103] Birella U	12,218	321	0	0	0	0	0	6	24	234	57	6	315	38	403	506	9%	30																
104] Dharmsona U	17,108	561	0	1	10	71	19	17	45	397	7	111	490	91	199	977	28%	196																
106] Kashimpur U	3,927	192	0	1	1	3	3	3	0	173	1	17	175	20	236	#DIV/0!	9%	17																
108] Ashulia U	11,446	451	0	1	22	130	105	4	7	181	1	281	189	29	43	1,581	60%	289																
109] Pathalia U	7,092	1,694	4	0	12	191	310	32	56	1,063	28	548	1,146	4	12	119	36%	804																
URBAN TOTAL	131,496	5,652	294	37	69	784	510	93	258	3,301	292	1,801	3,851	23	64	238	35%	2,058																
Gross ratio																																		
Net ratio																																		
SAVAR TOTAL	366,270	24,318	498	53	81	914	645	305	1,778	18,926	1,217	2,398	21,920	15	88	161	17%	4,176																

Gross ratio	LAND USE COMPOSITION										POPULATION				URBAN				RURAL				POPULATION DENSITY				URBAN		BUILT UP								
	Net ratio	Res'tial	Com'cial	Indust'l	Incl'nal	Others	Road	Village	Agri	Water	TOTAL	Urban	Agri	Water	TOTAL	Gross	Urban	Rest	Urban	Rest	Urban	Rest	Ratio	Area	Urban	Rest	Ratio	Area									
SUMMARY TABLE OF 1990 URBAN/RURAL																																					
RURAL TOTAL	30,639	1,220	47	7	1	197	1	77	679	250	214	1,008	25	105	246	291	291	291	291	291	291	291	291	291	291	291	291	291	291	291	291	291	291	291	291	291	
URBAN TOTAL	4,441,994	26,307	5,892	344	1,123	1,610	1,744	735	11,181	3,212	11,179	15,128	169	373	670	45%	11,914	11,914	11,914	11,914	11,914	11,914	11,914	11,914	11,914	11,914	11,914	11,914	11,914	11,914	11,914	11,914	11,914	11,914	11,914	11,914	
GREATER DIAKA TOTAL	4,472,633	27,527	5,939	352	1,125	1,787	1,745	812	11,860	3,482	11,394	16,133	162	366	669	44%	12,203	12,203	12,203	12,203	12,203	12,203	12,203	12,203	12,203	12,203	12,203	12,203	12,203	12,203	12,203	12,203	12,203	12,203	12,203	12,203	
RURAL TOTAL	61,006	1,274	45	30	102	35	15	137	745	154	237	1,037	48	133	335	29%	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	374	
URBAN TOTAL	1,049,610	8,821	1,463	120	357	105	423	1,525	4,080	508	2,708	6,113	119	248	351	48%	4,232	4,232	4,232	4,232	4,232	4,232	4,232	4,232	4,232	4,232	4,232	4,232	4,232	4,232	4,232	4,232	4,232	4,232	4,232	4,232	
NARAYANGANJ TOTAL	1,110,616	10,095	1,508	149	460	111	279	438	4,825	682	2,945	7,150	110	241	350	46%	4,607	4,607	4,607	4,607	4,607	4,607	4,607	4,607	4,607	4,607	4,607	4,607	4,607	4,607	4,607	4,607	4,607	4,607	4,607	4,607	
RURAL TOTAL	4,813	1,338	0	0	0	0	0	25	1,306	7	0	1,338	4	193	193	2%	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	
URBAN TOTAL	138,196	2,430	273	55	304	22	83	287	1,348	50	765	1,665	57	134	256	42%	1,032	1,032	1,032	1,032	1,032	1,032	1,032	1,032	1,032	1,032	1,032	1,032	1,032	1,032	1,032	1,032	1,032	1,032	1,032	1,032	
TONGI TOTAL	143,009	3,768	273	55	304	22	83	292	2,654	57	765	3,003	38	135	253	28%	1,057	1,057	1,057	1,057	1,057	1,057	1,057	1,057	1,057	1,057	1,057	1,057	1,057	1,057	1,057	1,057	1,057	1,057	1,057	1,057	
RURAL TOTAL	220,910	14,608	0	10	11	2	220	1,251	11,627	1,488	242	14,366	15	148	177	10%	1,493	1,493	1,493	1,493	1,493	1,493	1,493	1,493	1,493	1,493	1,493	1,493	1,493	1,493	1,493	1,493	1,493	1,493	1,493	1,493	
URBAN TOTAL	220,878	2,427	243	4	21	130	42	295	1,466	226	440	1,987	91	301	410	30%	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	
KEFANIGANJ TOTAL	441,728	17,035	243	13	21	131	251	1,546	13,093	1,715	682	16,393	25	199	247	13%	2,228	2,228	2,228	2,228	2,228	2,228	2,228	2,228	2,228	2,228	2,228	2,228	2,228	2,228	2,228	2,228	2,228	2,228	2,228	2,228	
RURAL TOTAL	215,598	14,403	204	15	12	59	148	1,351	11,725	850	468	13,926	15	118	138	13%	1,828	1,828	1,828	1,828	1,828	1,828	1,828	1,828	1,828	1,828	1,828	1,828	1,828	1,828	1,828	1,828	1,828	1,828	1,828	1,828	
S. RURAL TOTAL	19,175	4,263	0	1	0	71	58	159	3,899	75	130	4,133	4	66	121	7%	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	
URBAN TOTAL	131,428	5,652	294	37	69	518	98	258	3,301	292	1,801	3,851	23	64	238	36%	2,058	2,058	2,058	2,058	2,058	2,058	2,058	2,058	2,058	2,058	2,058	2,058	2,058	2,058	2,058	2,058	2,058	2,058	2,058	2,058	
SAVAR TOTAL	366,270	24,318	493	53	81	648	305	1,778	18,926	1,217	2,398	21,923	15	88	161	17%	4,178	4,178	4,178	4,178	4,178	4,178	4,178	4,178	4,178	4,178	4,178	4,178	4,178	4,178	4,178	4,178	4,178	4,178	4,178	4,178	
URBAN TOTAL	5,982,174	45,637	8,166	681	1,033	2,524	2,381	3,079	21,377	4,289	19,892	28,745	131	300	532	44%	19,971	19,971	19,971	19,971	19,971	19,971	19,971	19,971	19,971	19,971	19,971	19,971	19,971	19,971	19,971	19,971	19,971	19,971	19,971	19,971	
RURAL TOTAL	532,966	32,842	296	55	122	48	257	2,851	26,082	2,748	1,161	31,681	16	133	169	12%	4,012	4,012	4,012	4,012	4,012	4,012	4,012	4,012	4,012	4,012	4,012	4,012	4,012	4,012	4,012	4,012	4,012	4,012	4,012	4,012	
S. RURAL TOTAL	19,175	4,263	0	1	0	71	58	159	3,899	75	130	4,133	4	66	121	7%	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289	289
GRAND TOTAL	6,534,316	82,742	8,462	737	1,217	2,852	2,832	6,089	51,358	7,112	18,183	64,559	79	289	449	29%	24,273	24,273	24,273	24,273	24,273	24,273	24,273	24,273	24,273	24,273	24,273	24,273	24,273	24,273	24,273	24,273	24,273	24,273	24,273	24,273	

1.2 Population and Land Use Data by zone 2010

19	urban	58,950	42	13	16	0	5	3	5	0	0	0	0	42	0	1,406	1,406	4,488	100%	42	
20	urban	69,050	47	26	6	0	3	6	5	0	0	0	0	47	0	1,479	1,479	2,646	100%	47	
21	urban	47,900	33	17	6	0	5	0	4	0	0	0	0	33	0	1,469	1,469	2,851	100%	33	
22	urban	24,350	17	11	3	0	1	0	2	0	0	0	0	17	0	1,441	1,441	2,319	100%	17	
23	urban	32,300	22	12	3	0	0	0	3	0	0	0	0	22	0	1,455	1,455	2,714	100%	22	
24	urban	35,200	25	6	9	0	4	2	5	0	0	0	0	25	0	1,414	1,414	6,165	100%	25	
25	urban	74,563	53	18	22	0	5	1	7	0	0	0	0	53	0	1,418	1,418	4,213	100%	53	
26	urban	63,650	43	26	3	0	5	0	7	0	0	0	0	43	0	1,477	1,477	2,439	100%	43	
27	urban	33,500	23	11	6	0	1	0	3	0	0	0	0	23	0	1,457	1,457	2,991	100%	23	
28	urban	93,950	63	47	3	0	0	1	9	0	0	0	0	63	0	1,484	1,484	1,978	100%	63	
29	urban	90,119	68	62	4	3	2	6	11	0	0	0	0	68	0	1,025	1,025	1,461	100%	68	
30	urban	108,950	73	48	3	4	4	5	10	0	0	0	0	73	0	1,486	1,486	2,284	100%	73	
31	urban	160,713	119	45	3	14	13	18	16	0	3	7	109	10	1,355	1,478	3,563	92%	109		
32	urban	27,760	19	13	1	1	2	1	2	0	0	0	0	19	0	1,461	1,461	2,103	100%	19	
33	urban	79,507	83	62	6	1	1	3	11	0	0	0	0	83	0	953	953	1,274	100%	83	
34	urban	195,451	201	154	2	1	15	17	12	0	0	0	0	201	0	972	972	1,268	100%	201	
35	urban	94,928	103	24	33	0	32	4	11	0	0	0	0	103	0	923	923	3,989	100%	103	
36	urban	125,507	190	121	15	0	25	11	19	0	0	0	0	190	0	660	660	1,038	100%	190	
37	urban	65,717	76	44	5	0	16	1	11	0	0	0	0	76	0	862	862	1,511	100%	76	
38	urban	85,494	105	90	8	0	0	1	7	0	0	0	0	105	0	813	813	954	100%	105	
39	urban	134,871	185	107	9	0	9	37	15	0	0	0	0	171	14	727	788	1,263	92%	171	
40	urban	214,717	439	163	13	0	80	50	38	0	0	0	0	439	96	96	490	627	1,316	78%	343
41	urban	67,403	96	72	6	0	5	0	0	0	0	0	0	96	0	915	915	1,216	100%	96	
42	urban	62,565	80	50	2	0	19	0	10	0	0	0	0	80	0	780	780	1,261	100%	80	
43	urban	73,851	128	58	21	0	23	11	15	0	0	0	0	128	0	578	578	1,269	100%	128	
44	urban	111,220	230	42	66	10	163	7	21	0	0	0	0	230	0	484	484	1,965	100%	230	
45	urban	94,231	194	42	6	0	10	14	22	0	0	0	0	194	0	466	466	2,444	100%	194	
46	urban	94,038	161	84	5	14	26	14	20	0	0	0	0	161	0	583	583	1,128	100%	161	
47	urban	109,208	156	131	3	0	5	0	17	0	0	0	0	156	0	700	700	836	100%	156	
48	urban	171,764	326	78	6	18	12	18	29	0	0	0	0	326	0	526	526	2,253	100%	326	
49	urban	71,863	131	43	40	0	20	13	15	0	0	0	0	131	0	547	547	1,679	100%	131	
50	urban	48,061	53	46	7	0	19	7	14	0	0	0	0	53	0	518	518	1,040	100%	53	
51	urban	160,066	672	416	30	0	88	47	92	0	0	0	0	672	0	238	238	385	100%	672	
52	urban	105,367	166	119	3	0	91	14	20	0	0	0	0	166	0	566	566	884	100%	166	
53	urban	84,665	193	52	6	2	83	22	29	0	0	0	0	193	0	438	438	1,634	100%	193	
54	urban	375,502	1,530	399	15	37	156	106	75	0	55	688	788	1,530	688	742	2,45	476	941	52%	788
55	urban	436,967	825	449	13	56	44	22	68	0	153	22	650	175	530	672	973	79%	650		
56	urban	496,611	1,123	654	54	2	127	55	103	0	0	129	994	129	442	500	760	89%	994		
57	Urban Khan U	292,073	1,596	730	26	12	236	125	139	0	291	43	1,262	334	183	231	400	79%	1,262		
58	D. Khan Cent U	179,201	741	411	20	0	146	77	86	0	1	740	0	740	1	242	242	436	100%	740	
59	D. Khan Gulshan U	302,466	1,448	838	40	0	230	115	124	0	7	94	1,347	101	209	225	361	93%	1,347		
60	Herrampur U	222,970	1,890	866	39	20	185	97	147	0	359	176	1,356	534	118	164	257	72%	1,356		
61	Centonment 1 U	185,960	1,493	293	30	0	173	477	520	0	0	0	1,493	0	125	125	635	100%	1,493		
62	Centonment 2 U	85,284	565	144	10	0	34	100	48	0	106	123	336	229	169	284	662	59%	336		
63	Centonment 3 U	234,795	1,118	362	28	0	234	200	79	0	198	17	903	215	210	260	649	81%	903		
64	Beraid U, Gulshan U	93,927	1,872	507	25	0	167	60	91	0	317	700	855	1,017	50	110	185	48%	855		
65	Gulshan 57 U	331,265	2,145	918	45	0	356	112	187	0	310	310	1,619	527	154	204	358	76%	1,619		
66	Beraid Demra U	15,197	578	70	3	0	25	10	16	0	19	435	124	454	26	123	218	21%	435		
67	Demra U	114,438	1,301	563	21	0	105	59	93	0	63	401	836	464	88	137	203	64%	836		
68	Maulai GD U	197,330	895	311	29	15	163	85	88	0	133	81	681	214	221	290	635	76%	681		
69	Sultaniganj U	191,868	368	193	10	2	86	38	39	0	0	0	368	0	520	520	995	100%	368		

GREATER DHAKA URBAN		8,587,236	26,307	11,116	879	444	3,685	2,253	2,662	8	1,912	3,349	21,038	5,269	926	408	772	80%	21,046			
Gross ratio																						
Net ratio																						
GREATER DHAKA TOTAL		8,589,909	27,527	11,116	879	444	3,685	2,253	2,662	8	1,912	3,349	21,038	5,269	926	408	772	80%	21,529			
Gross ratio																						
Net ratio																						
SAVAR		POPULATION	LAND USE COMPOSITION																			
		2010 Total Area	rest/total	carri	indl	inst'n	others	road	village	agri	water	URBAN		RURAL		POP DENSITY (p/ha)		URBAN		RURAL		
												TOTAL	TOTAL	grass	rest	grass	rest	RATIO	RATIO	BUILTUP	BUILTUP	AREA
57 Savar R		9,500	526	0	0	0	0	68	0	63	355	40	68	458	18	73	152	25%	25%	131	131	
70 Kaundia Rural		35,946	1,045	153	7	13	25	9	24	46	676	92	231	814	34	130	181	33%	33%	277	277	
71 Amin Bazar Rural		39,895	655	72	3	1	0	12	15	112	427	13	103	552	61	186	217	39%	39%	215	215	
103 Biratia R		11,790	1,615	0	0	0	0	0	6	61	1,472	71	6	1,610	7	163	177	3%	3%	72	72	
105 Tetulihora R		43,738	1,773	0	0	0	0	0	39	237	1,448	49	39	1,733	25	158	185	16%	16%	276	276	
106 Kashimpur R		40,395	1,145	0	9	0	8	2	11	223	760	131	30	1,115	35	159	181	22%	22%	254	254	
107 Yearpur R		19,923	1,153	0	0	0	0	0	13	148	914	79	13	1,141	17	124	135	14%	14%	160	160	
108 Ashulia R		8,970	1,067	0	0	0	0	19	2	40	952	54	21	1,046	8	147	225	3%	3%	81	81	
109 Pathalia R		22,250	699	0	0	0	0	0	4	223	397	75	4	695	32	98	100	32%	32%	227	227	
110 Banagram R		35,023	1,379	0	0	0	0	22	16	274	967	101	38	1,342	25	118	128	22%	22%	311	311	
111 Hazarapur R		40,937	1,080	0	0	0	0	0	14	242	704	120	14	1,066	38	160	169	24%	24%	256	256	
112 Rural		58,825	2,265	0	0	0	0	0	20	290	1,855	193	20	2,245	26	190	203	14%	14%	310	310	
SAVAR RURAL		367,131	14,403	225	20	14	33	133	163	1,964	10,928	924	587	13,816	25	144	168	18%	18%	2,551	2,551	
Gross ratio																						
Net ratio																						
103 Biratia SR		6,472	921	0	0	0	0	1	7	7	900	7	7	914	7	104	119	7%	7%	14	14	
104 Dharmsona SR		4,874	419	0	0	0	0	0	21	21	363	13	21	398	12	114	228	10%	10%	43	43	
106 Kashimpur SR		562	413	25	0	0	3	2	19	19	343	0	49	365	1	8	13	15%	15%	67	67	
107 Yearpur SR		10,290	719	0	0	0	0	0	42	42	626	9	42	677	14	122	244	12%	12%	84	84	
108 Ashulia SR		11,414	1,748	0	0	0	0	77	72	72	1,522	5	149	1,599	7	186	477	4%	4%	220	220	
110 Banagram SR		869	43	0	0	0	0	0	14	14	9	5	14	29	20	124	124	16%	16%	29	29	
SAVAR RURAL SP		34,481	4,293	25	0	0	3	80	175	175	3,763	43	283	3,980	8	75	172	11%	11%	458	458	
Gross ratio																						
Net ratio																						
57 Savar U		294,509	2,434	1,060	135	60	550	142	195	0	212	80	2,142	292	121	138	278	88%	88%	2,142	2,142	
103 Biratia U		15,102	321	189	15	5	25	5	16	6	60	0	255	66	47	58	78	85%	85%	261	261	
104 Dharmsona U		43,862	561	296	13	23	107	24	50	2	42	4	512	48	78	83	147	92%	92%	515	515	
106 Kashimpur U		5,057	192	101	2	20	10	2	11	4	30	12	147	45	26	34	48	78%	78%	150	150	
108 Ashulia U		17,122	451	20	3	26	136	174	39	0	32	7	418	33	38	41	856	96%	96%	418	418	
109 Pathalia U		34,617	1,694	83	16	17	238	388	78	197	598	79	820	874	20	34	124	61%	61%	1,017	1,017	
SAVAR URBAN		410,268	5,652	1,748	184	151	1,086	736	389	209	974	176	4,294	1,358	73	91	210	80%	80%	4,503	4,503	
Gross ratio																						
Net ratio																						
SAVAR TOTAL		811,830	24,318	1,998	203	165	1,122	949	727	2,348	15,665	-1,142	5,163	19,155	33	108	187	31%	31%	7,511	7,511	
Gross ratio																						
Net ratio																						
Tongi		POPULATION	LAND USE COMPOSITION																			

	2010 Total Area	restal	coml	indl	inst'n	others	road	village	agre	water	TOTAL	TOTAL	gross	urban	resi	RATIO	AREA
60 Rural	2,817	80	0	0	0	0	0	0	11	64	0	80	35	256	256	14%	11
62 Rural	3,000	1,258	0	0	0	161	0	0	17	1,080	0	1,098	2	17	250	1%	178
JUNGLI RURAL	5,817	1,338	0	0	0	161	0	0	28	1,144	5	1,178	4	31	212	14%	189
Gross ratio																	
Net ratio																	
62 Urban	652,914	2,430	822	60	471	69	203	0	0	200	288	1,944	468	336	793	80%	1,944
Gross ratio																	
Net ratio																	
TONGI TOTAL	658,731	3,768	822	60	471	230	203	28	1,344	291	2,106	1,662	175	309	776	57%	2,133
Narayanganj																	
POPULATION																	
2010 Total Area	1,317	5	2	0	1	1	1	1	1	0	4	1	1	263	627	100%	5
31 Rural	0	19	0	1	2	1	4	0	0	10	2	7	12	0	0	#DIV/0!	38%
76 Rural	11,124	66	4	0	7	0	20	3	21	0	10	34	32	169	201	441	84%
77 Rural	0	9	0	1	2	1	1	0	0	4	0	4	0	0	0	#DIV/0!	49%
78 Rural	0	11	0	1	2	1	1	0	0	6	0	5	0	0	0	#DIV/0!	45%
79 Rural	0	21	0	5	3	0	5	0	0	8	0	13	8	0	0	#DIV/0!	61%
80 Rural	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!	8%
81 Rural	0	21	0	6	2	0	0	0	0	10	3	8	13	0	0	#DIV/0!	37%
82 Rural	31,722	381	22	1	15	0	7	152	148	36	45	336	93	161	182	52%	197
83 Rural	0	406	0	0	0	3	4	28	313	59	7	399	0	0	0	#DIV/0!	8%
84 Rural	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	#DIV/0!	63%
86 Rural	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!	43%
88 Rural	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!	50%
89 Rural	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	#DIV/0!	50%
92 Rural	7,500	71	6	0	2	1	0	0	43	19	9	63	105	145	155	72%	95
93 Rural	0	11	0	0	3	0	1	0	0	6	0	6	0	0	0	#DIV/0!	39%
94 Rural	0	3	0	0	0	0	0	0	0	2	0	2	0	0	0	#DIV/0!	55%
95 Rural	0	3	0	0	0	0	2	0	0	0	0	0	0	0	0	#DIV/0!	71%
97 Rural	0	25	0	1	8	0	3	0	0	14	0	11	14	0	0	#DIV/0!	44%
98 Rural	0	20	0	0	3	0	8	0	0	9	0	11	9	0	0	#DIV/0!	56%
Others	0	200	0	0	0	0	0	0	180	20	0	200	0	0	0	#DIV/0!	0%
NARAYANGANJ RURAL	51,663	1,274	33	15	51	49	15	243	725	139	167	1,106	41	128	187	32%	410
Gross ratio																	
Net ratio																	
31 Urban	0	381	0	0	0	0	0	0	0	0	1	1	1	1	1	100%	1
32 Urban	7,596	8	3	0	1	0	0	0	0	0	1	7	1	949	1,151	2,374	85%
33 Urban	215,540	171	118	10	11	12	5	15	0	0	171	0	1,250	1,260	1,825	100%	171
76 Urban	410,581	1,679	662	47	47	323	121	129	0	194	156	1,329	350	244	309	620	75%
77 Urban	170,111	419	143	6	77	80	28	30	0	1	54	365	54	408	466	1,187	87%
79 Urban	110,529	754	177	17	63	70	38	37	0	90	262	402	353	147	275	626	53%
79 Urban	109,822	565	120	19	133	55	24	43	0	171	394	171	195	279	913	70%	394
80 Urban	265,417	1,312	541	22	89	160	88	123	0	180	111	1,022	290	202	260	491	78%
81 Urban	214,868	1,014	340	17	80	153	73	70	0	45	234	735	279	212	292	632	72%
82 Urban	136,715	504	212	10	48	103	46	45	0	39	466	39	271	294	645	92%	466
83 Urban	16,433	51	18	2	5	14	8	4	0	0	51	0	320	320	911	100%	51
84 Urban	31,153	121	62	2	3	10	0	12	0	6	27	89	33	257	352	505	73%

No	Kategori	POPULATION		LAND USE COMPOSITION		POPULATION COMPOSITION										POP DENSITY (p/ha)		URBAN BUILDUP		
		2010	Total Area	Residential	Comml	Indstl	Inst'n	Others	Load	Village	agr/ra	water	URBAN TOTAL	RURAL TOTAL	gross	urban	resl	URBAN	RATIO	
85	Urban	59,086	120	39	4	22	22	11	12	0	0	0	0	10	110	10	452	537	1,519	92%
86	Urban	64,661	127	35	5	36	21	13	12	0	0	0	4	122	4	510	529	1,828	97%	
87	Urban	118,302	233	85	18	8	58	29	24	0	0	0	0	233	0	509	509	1,249	100%	
88	Urban	82,844	159	31	17	26	40	22	16	0	0	0	7	152	7	520	545	2,681	95%	
89	Urban	49,212	87	39	18	1	10	5	10	0	0	0	4	84	4	566	589	1,255	96%	
90	Urban	29,458	48	32	1	0	4	1	5	0	0	0	5	43	5	620	693	912	89%	
91	Urban	55,526	108	39	6	3	25	13	10	0	0	0	12	96	12	517	581	1,416	89%	
92	Urban	42,384	74	19	36	0	6	0	13	0	0	0	0	74	0	576	576	2,206	100%	
93	Urban	62,350	330	148	6	41	52	23	34	0	19	4	306	24	189	204	422	95%		
94	Urban	29,325	260	122	5	31	42	14	23	0	13	11	236	24	113	124	241	91%		
95	Urban	38,973	302	131	6	51	45	26	26	0	17	0	285	17	129	137	298	94%		
96	Urban	15,349	56	36	0	5	4	6	5	0	0	0	56	0	274	274	428	100%		
97	Urban	49,452	113	56	6	24	12	2	12	0	0	0	113	0	438	438	880	100%		
98	Urban	70,755	153	79	6	27	21	2	16	0	0	0	153	0	464	464	891	100%		
NARAYANGANJ URBAN		2,506,773	9,821	3,332	293	893	1,349	599	732	0	565	1,118	7,138	1,683	284	351	752	81%	7,138	
Gross ratio																				
Net ratio																				
NARAYANGANJ TOTAL		2,558,436	10,095	3,365	309	894	1,352	649	747	243	1,288	1,257	7,305	2,790	253	339	709	75%	7,548	
Keraningan																				
POPULATION																				
LAND USE COMPOSITION																				
99	Rural	0	15	0	0	0	0	15	0	0	0	0	0	15	0	0	0	0	0	100%
100	Rural	7,725	480	0	0	0	0	41	0	34	391	19	41	440	16	103	227	16%	75	
101	Rural	1,425	427	0	0	0	0	19	0	15	383	10	19	408	3	42	95	8%	34	
113	Rural	45,760	1,950	0	0	0	0	0	30	196	1,633	87	30	1,920	23	203	234	12%	226	
114	Rural	50,999	1,800	0	5	0	0	0	25	173	1,377	215	30	1,770	28	243	286	12%	208	
115	Rural	62,968	1,840	0	0	0	0	0	48	271	1,462	59	48	1,792	34	198	233	17%	319	
116	Rural	36,306	1,835	0	0	0	0	0	82	141	1,380	332	82	1,953	19	162	257	12%	224	
117	Rural	45,281	1,973	0	5	0	0	0	37	186	1,346	398	42	1,930	23	199	244	12%	228	
118	Rural	39,550	1,235	0	0	0	0	9	7	28	1,091	2	16	1,219	32	278	313	12%	142	
119	Rural	65,925	2,303	0	0	0	13	87	13	230	1,818	143	112	2,191	29	193	287	15%	342	
Others		0	650	0	0	0	0	0	0	0	600	50	0	650	0	0	0	0	0	
KERANIGANJ RURAL		355,939	14,608	0	10	0	13	171	242	1,376	11,486	1,310	436	14,172	24	196	259	12%	1,812	
Gross ratio																				
Net ratio																				
99	Urban	136,032	375	125	25	25	87	49	35	0	7	22	346	29	363	393	1,088	92%	346	
100	Urban	27,774	242	46	4	10	39	60	22	1	45	15	181	61	115	153	592	75%	182	
101	Urban	176,838	731	272	12	40	92	57	49	6	33	170	522	209	242	335	636	72%	526	
118	Urban	63,778	208	84	8	0	53	23	21	8	0	12	187	20	307	326	694	94%	195	
119	Urban	53,030	872	257	36	156	188	65	86	14	0	122	736	136	61	71	196	86%	750	
KERANIGANJ URBAN		457,252	2,427	784	84	231	409	251	213	28	86	342	1,971	456	188	228	563	82%	2,000	
Gross ratio																				
Net ratio																				
KERANIGANJ TOTAL		813,191	17,035	784	94	231	421	422	455	1,405	11,572	1,851	2,407	14,828	48	213	372	22%	3,812	
Gross ratio																				
Net ratio																				

SUMMARY TABLE URBAN AND RURAL 2010																			
	POPULATION		LAND USE COMPOSITION					URBAN			RURAL			POP DENSITY (p/ha)		URBAN		BUILT UP	
	2010	Total Area	residential	com'l	incl'	inst'n	others	road	village	agr/re	water	TOTAL	TOTAL	urban	resl	urban	resl	RATIO	AREA
GREATER DHAKA RURAL	1,673	1,220	0	0	0	0	469	0	14	521	217	469	751	1	3	124	40%	483	
GREATER DHAKA URBAN	8,587,236	26,307	11,116	879	444	3,685	2,253	2,662	8	1,912	3,349	21,038	5,269	326	408	772	80%	21,046	
GREATER DHAKA TOTAL	8,588,909	27,527	11,116	879	444	3,685	2,722	2,662	21	2,432	3,566	21,508	6,020	312	399	771	78%	21,529	
SAVAR RURAL	367,131	14,403	225	20	14	33	133	163	1,964	10,928	924	587	13,816	25	144	168	18%	2,651	
SAVAR RURALSP	34,481	4,263	25	0	0	3	80	175	175	3,763	43	283	3,960	8	75	172	11%	458	
SAVAR URBAN	410,268	5,652	1,748	184	151	1,086	736	389	209	974	176	4,294	1,358	73	91	210	80%	4,503	
SAVAR TOTAL	811,880	24,318	1,998	203	165	1,122	949	727	2,348	15,665	1,142	5,169	13,155	33	108	187	31%	7,511	
TONGI RURAL	5,917	1,338	0	0	0	0	161	0	28	1,144	5	161	1,176	4	31	212	14%	189	
TONGI URBAN	652,914	2,430	822	60	471	321	69	203	0	200	286	1,944	486	269	336	795	80%	1,944	
TONGI TOTAL	658,731	3,768	822	60	471	321	230	203	28	1,344	291	2,106	1,662	175	309	776	57%	2,133	
NARAYANGANJ RURAL	51,663	1,274	33	15	51	3	49	15	243	725	139	167	1,106	41	126	187	32%	410	
NARAYANGANJ URBAN	2,506,773	8,821	3,332	293	833	1,349	599	792	0	555	1,118	7,138	1,689	284	351	752	81%	7,138	
NARAYANGANJ TOTAL	2,558,436	10,095	3,365	309	884	1,352	649	747	243	1,289	1,257	7,305	2,790	253	339	709	75%	7,548	
KERANIGANI RURAL	355,939	14,608	0	10	0	13	171	252	1,376	11,486	1,310	436	14,172	24	136	259	12%	1,817	
KERANIGANI URBAN	457,252	2,427	784	84	231	409	251	213	28	86	342	1,971	456	188	229	563	82%	2,000	
KERANIGANI TOTAL	813,191	17,035	784	94	231	421	422	465	1,405	11,572	1,651	2,407	14,628	48	213	372	22%	3,212	
TOTAL RURAL	816,704	37,105	283	45	65	51	1,064	594	3,799	28,568	2,637	2,103	35,002	22	138	200	16%	5,902	
TOTAL URBAN	12,614,443	45,637	17,801	1,500	2,129	6,849	9,907	4,198	245	3,736	5,270	36,386	9,251	276	344	599	80%	36,631	
TOTAL	13,431,147	82,742	18,084	1,546	2,194	6,901	4,971	4,793	4,044	32,302	7,907	38,488	44,254	162	316	607	51%	42,533	

DATA BOOK II-2 : Flood and Flood Damage
(Supporting Report E)

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2.1 Flood Survey

2.1.1 Interview Sheet of Flood Survey

THE GREATER DHAKA PROTECTION PROJECT
(STUDY IN DHAKA METROPOLITAN AREA)
OF
BANGLADESH FLOOD ACTION PLAN NO.8A
IN
THE PEOPLE'S REPUBLIC OF BANGLADESH

QUESTIONNAIRE OF FLOOD SURVEY

Executing Agency : JICA Study Team in cooperation with EPC

Date :	
তারিখ:	
Name of Interviewer :	
সাক্ষাৎকারীর নাম :	

Q1. Interview Point

জরিপের স্থান

Address : Village/Area/Road		
ঠিকানা : গ্রাম/এলাকা/রাস্তা		
Ward Name :	Union Name :	Upazila/Thana :
ওয়ার্ডের নাম :	ইউনিয়নের নাম :	উপজেলা/থানা :
Point No. :	Study Area :	
পয়েন্ট সংখ্যা :	জরিপ এলাকা :	

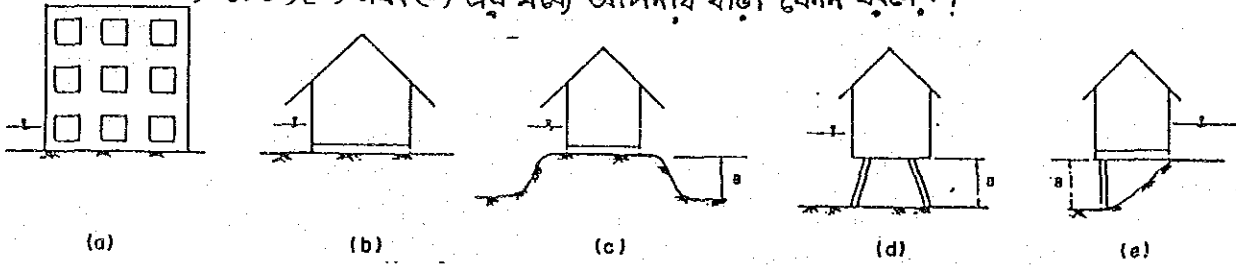
Q2. Type of house?

কি ধরনের বাড়ী?

a. What is your house type among (a),(b),(c),(d) and (e)?

(a) (b) (c) (d) এবং (e) এর মধ্যে আপনার বাড়ী কোন ধরনের?

a, b, c, d, e



b. If (c),(d) or (e) in Q2, how high is it elevated?

যদি Q2 প্রশ্নে বর্ণিত (c) (d) অথবা (e) হয় তবে
ভূমি থেকে আপনার বাড়ীর উচ্চতা কত?

feet

Q3. How flooded is this spot?

এই স্থানে কেমন বন্যা হয়?

- 3a. Completely free from flood/Inundation
বন্যা/জল প্লাবন হতে সম্পূর্ণ মুক্ত
- 3b. Flooded in 1988?
১৯৮৮ সালে বন্যা হয়েছে?
- 3c. Flooded in 1987?
১৯৮৭ সালে বন্যা হয়েছে?
- 3d. Flooded in every year?
প্রতি বছর বন্যা হয়?
- 3e. Inundated due to heavy rainfall only in rainy season?
বর্ষাকালে অতি বৃষ্টিতে প্লাবিত হয়?
- 3f. Inundated due to ordinary rainfall in rainy season?
বর্ষাকালে সাধারণ বৃষ্টিতে প্লাবিত হয়?

3a.	
3b.	go to Q4
3c.	Q4 দেখুন
3d.	go to Q5
3e.	Q5 দেখুন
3f.	go to Q6
	Q6 দেখুন
	go to Q7
	Q7 দেখুন
	go to Q8
	Q8 দেখুন

Q4. If the answer to Q3 is b, please answer the following questions:

যদি Q3 প্রশ্নের উত্তর 3b হয় তবে এই প্রশ্নগুলির উত্তর দিন

- 4a. What was the maximum depth of flood in 1988?
১৯৮৮ সালের বন্যায় পানির গভীরতা কত ছিল?
- 4b. How long was the duration?
কত সময় পানি জমা ছিল?

feet

day

Q5. If the answer to Q3 is c, please answer the following questions:

যদি Q3 প্রশ্নের উত্তর 3c হয় তবে এই প্রশ্নগুলির উত্তর দিন:

5a. What was the maximum depth of flood in 1987?
১৯৮৭ সালের বন্যার পানির সর্বাধিক গভীরতা কত ছিল?

feet

5b. How long was the duration?
কত সময় পানি জমা ছিল?

day

Q6. If the answer to Q3 is d, please answer the following questions:

যদি Q3 প্রশ্নের উত্তর 3d হয় তবে নিম্নলিখিত প্রশ্নগুলির উত্তর দিন:

6a. What was the maximum depth of flood in average annual flood?
গড় বন্যায় (স্বাভাবিক বন্যায়) পানির উচ্চতা কত হয়?

feet

6b. How long was the duration?
পানি কত সময় জমা থাকে?

day

Q7. If the answer to Q3 is e, please answer the following questions:

যদি Q3 প্রশ্নের উত্তর 3e হয় তবে নিম্নলিখিত প্রশ্নগুলির উত্তর দিন:

7a. What was the maximum depth of inundation in the past to your knowledge?
আপনার জ্ঞানমতে সবচেয়ে বড় বন্যায় পানির গভীরতা কত হয়েছিল?

feet

7b. How long was the duration?
পানি কত সময় জমা ছিল?

day

7c. When was it occurred?
কখন হয়েছিল?

in

Q8. If the answer to Q3 is f, please answer the following questions:

যদি Q3 প্রশ্নের উত্তর 3f হয় তবে নিম্নলিখিত প্রশ্নগুলির উত্তর দিন:

8a. How deep is the average annual inundation?
বৃষ্টিজনিত গড় প্লাবনে পানির গভীরতা কত হয়?

feet

8b. How long is the duration of the inundation?
কত সময় গড় তলে প্লাবন থাকে?

day

8c. How many times does the inundation occur a year on average?
গড়ে কতবার বছরে জল প্লাবন হয়?

times

Q.9 What, do you think, is the cause of inundation at this point?

এই স্থানে বন্যায়/প্লাবন হওয়ার জন্য আপনার মতে কি কারণ?

(multiple choice)

9a. Lack of drainage facilities(ditch/pipe)

নিষ্কাশন ব্যবস্থার অভাবে

9b. Too much floating debris/poor cleaning works

অতিরিক্ত ভাসমান অশ্রু/ক্লিনিং পূর্ণ পরিষ্কারের জন্য

9c. Poor repair works

নিম্নমানের মেরামতের জন্য

9d. Insufficient capacity of each ditch/pipe

নালার/পাইপের কম বহন ক্ষমতার জন্য

9e. Poor water collection system to ditch/pipe

নালার/পাইপে নিম্নমানের জল সংগ্রহের পদ্ধতির জন্য

9a.

9b.

9c.

9d.

9e.

2.1.2 Location Map of Flood Survey Points

LEGEND

▬▬▬▬▬▬▬▬▬▬▬▬ : Boundary of Study Area

▬▬▬▬▬▬▬▬▬▬▬▬ : Boundary of Sub-Area

(No.) : Zone Number

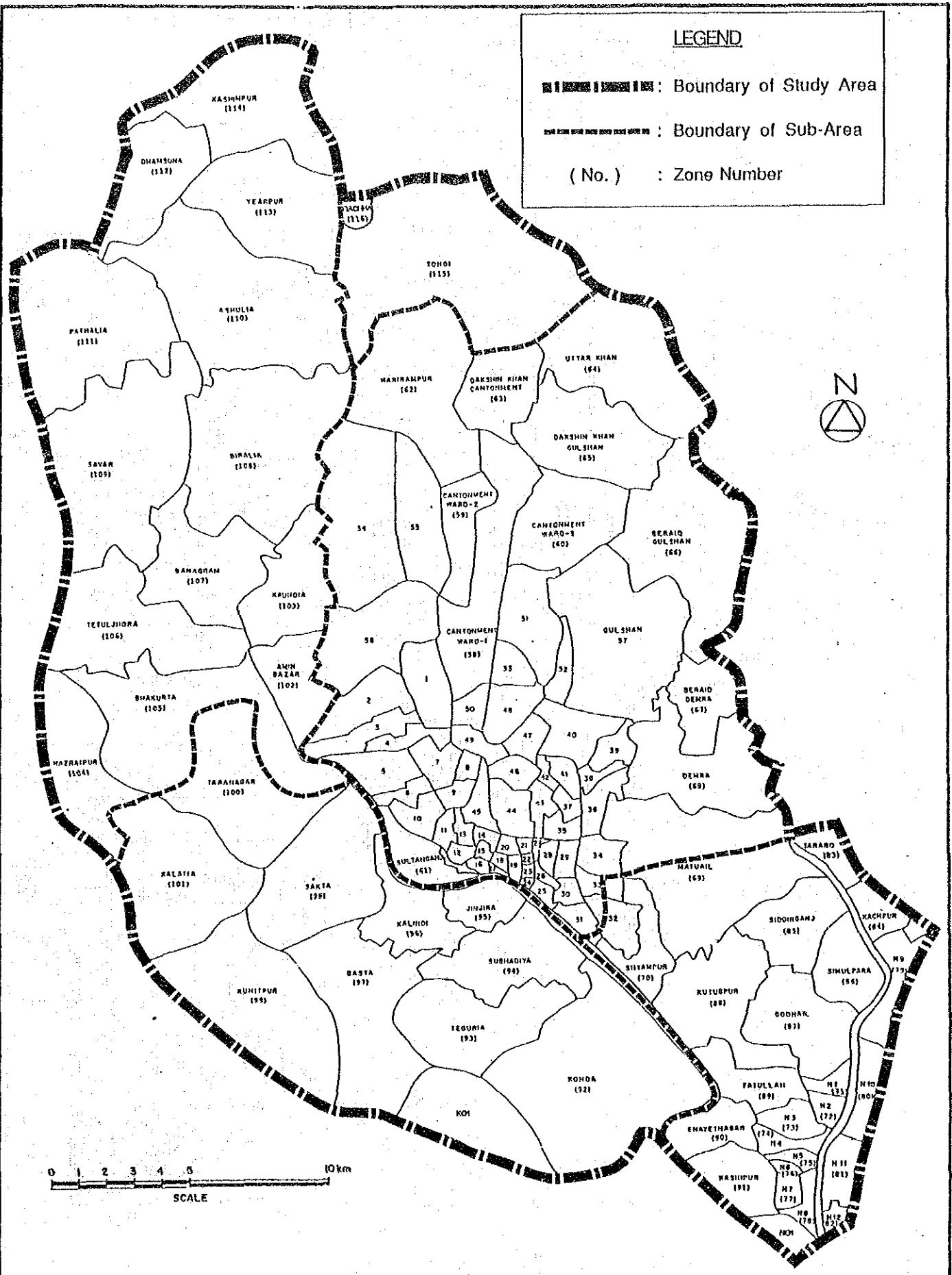


FIG.

DIVISION OF STUDY AREA BY ZONE

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROLOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH

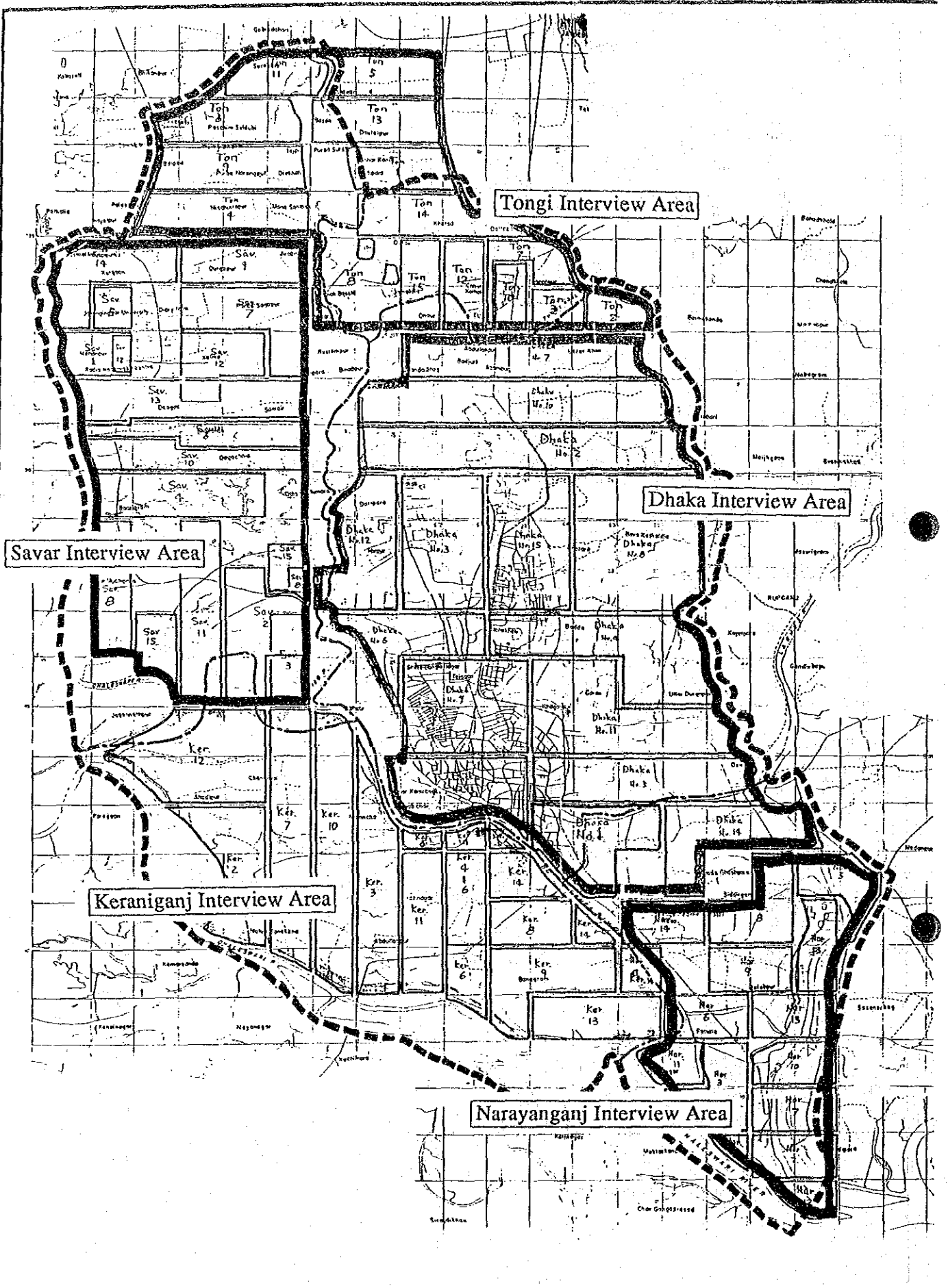


FIG.

INDEX MAP OF FLOOD SURVEY POINTS
-SHOWING INTERVIEWER NUMBER

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROLOLITAN AREA) OF
BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH

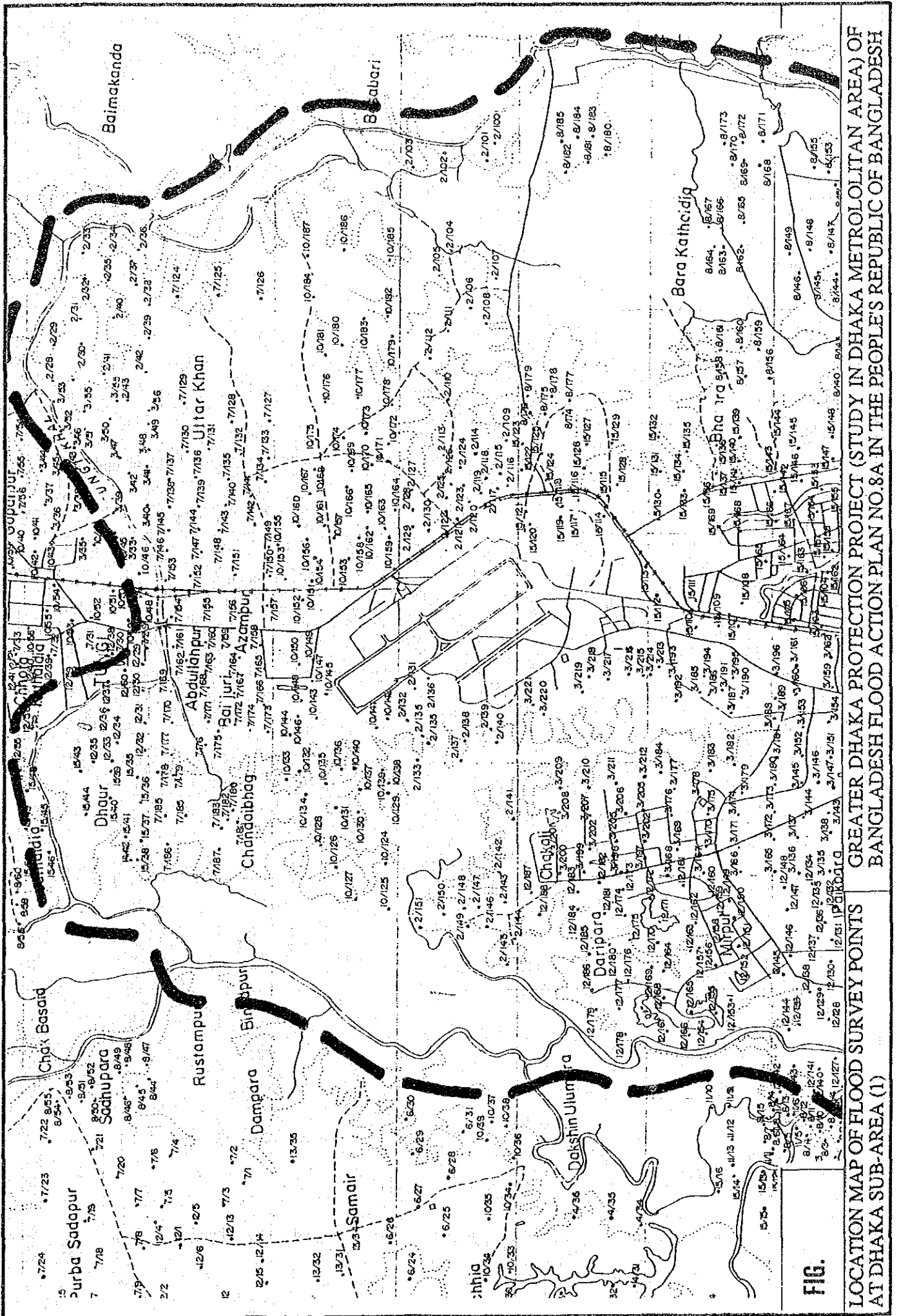


FIG.

LOCATION MAP OF FLOOD PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF GREATER DHAKA PROTECTION ACTION PLAN NO 8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH AT DHAKA SUB-AREA (1)

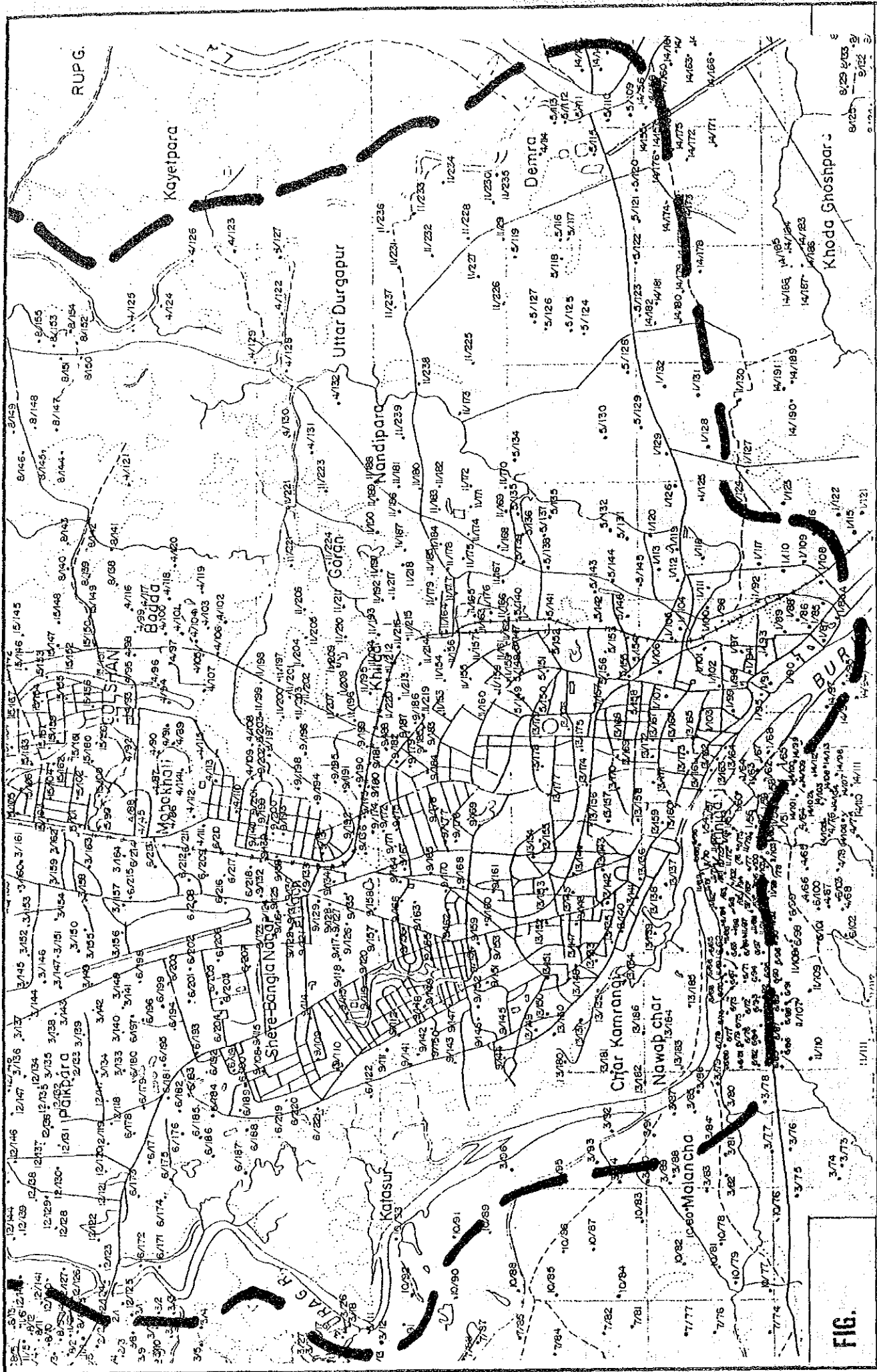


FIG.

LOCATION MAP OF FLOOD SURVEY POINTS
 GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF
 BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH
 AT DHAKA SUB-AREA (2)



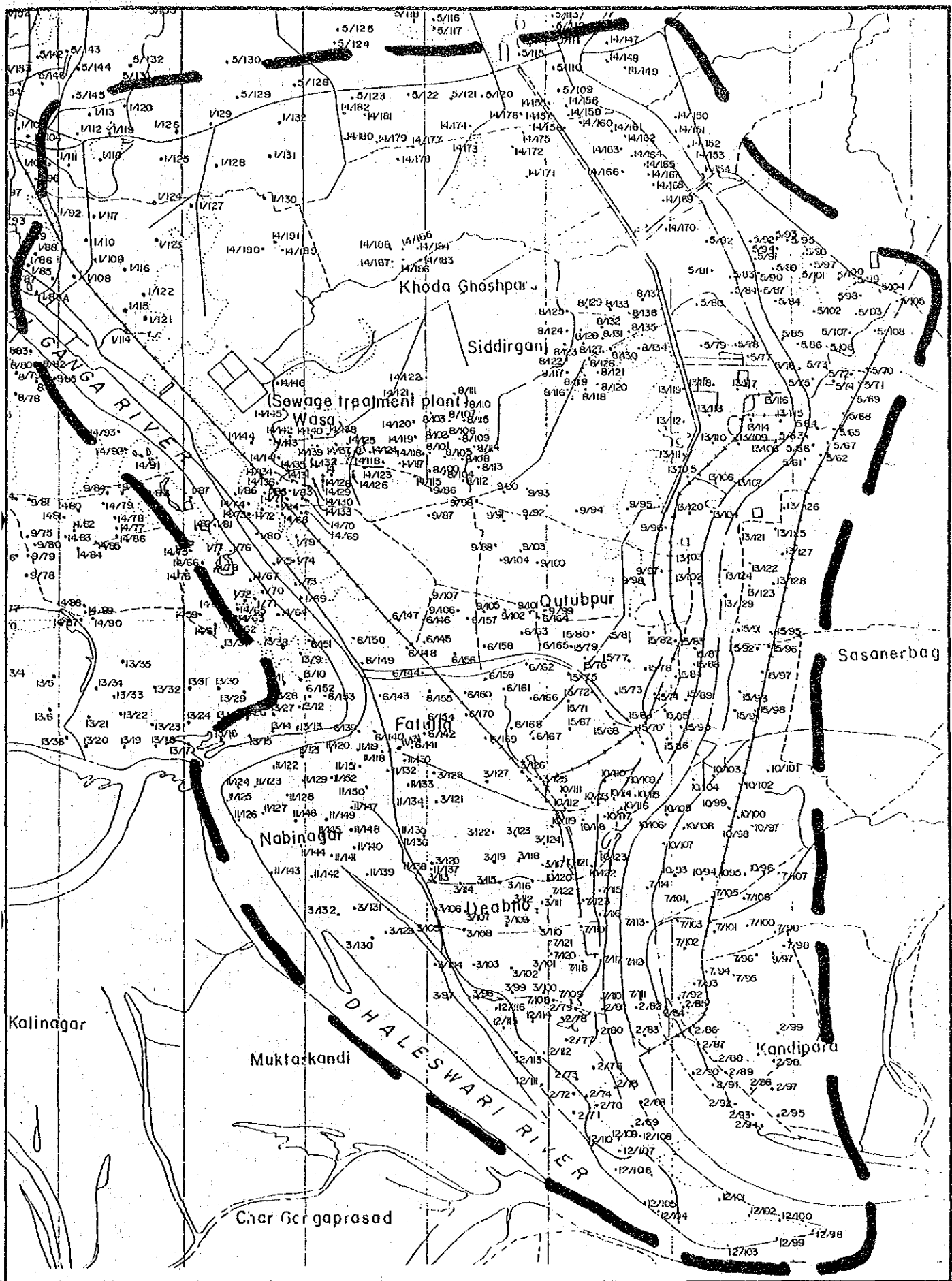


FIG.

LOCATION MAP OF FLOOD SURVEY POINTS AT NARAYANGANJ SUB-AREA

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROLOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH

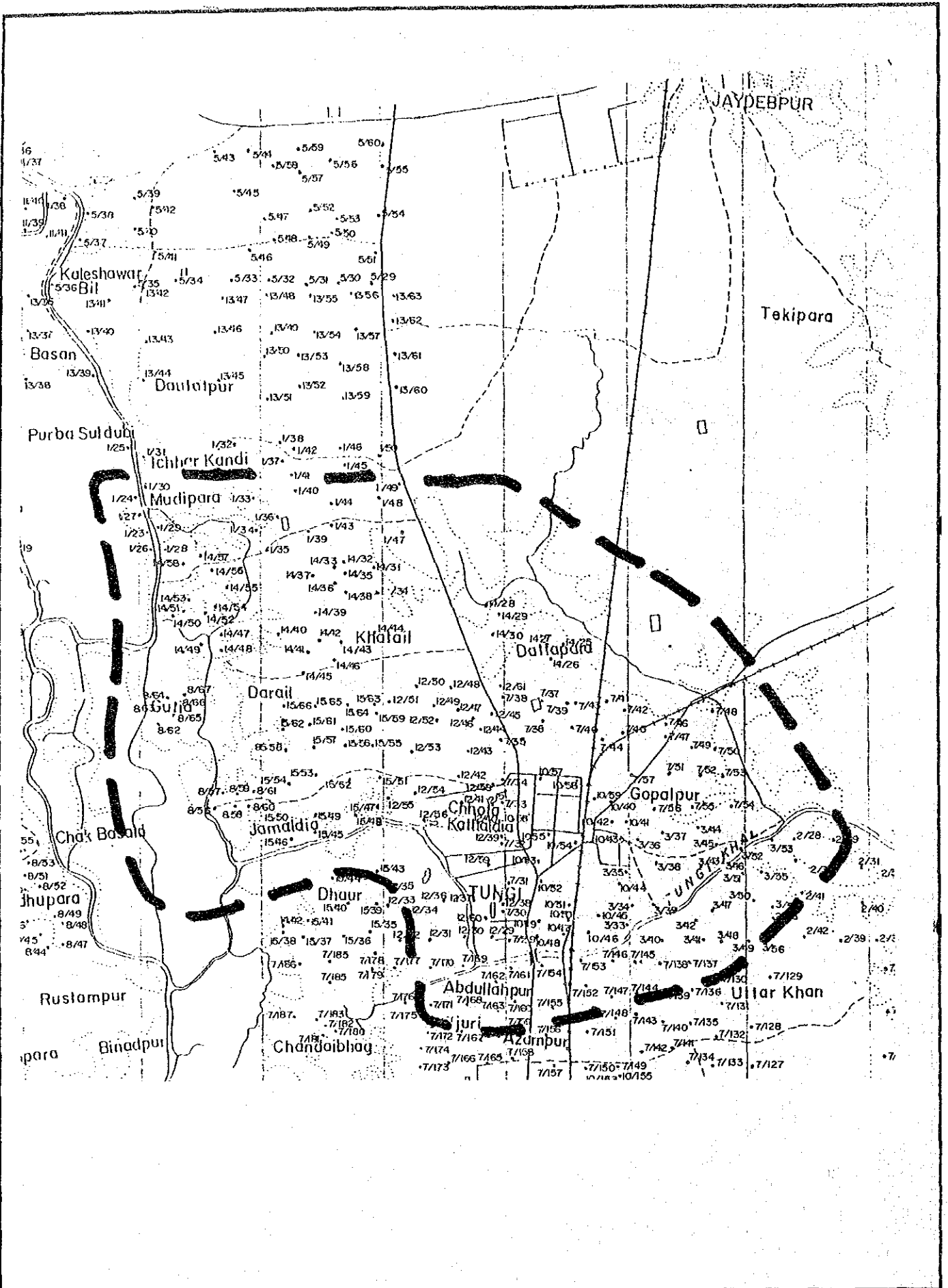


FIG.

LOCATION MAP OF FLOOD SURVEY POINTS AT TONGI SUB-AREA

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROLOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH



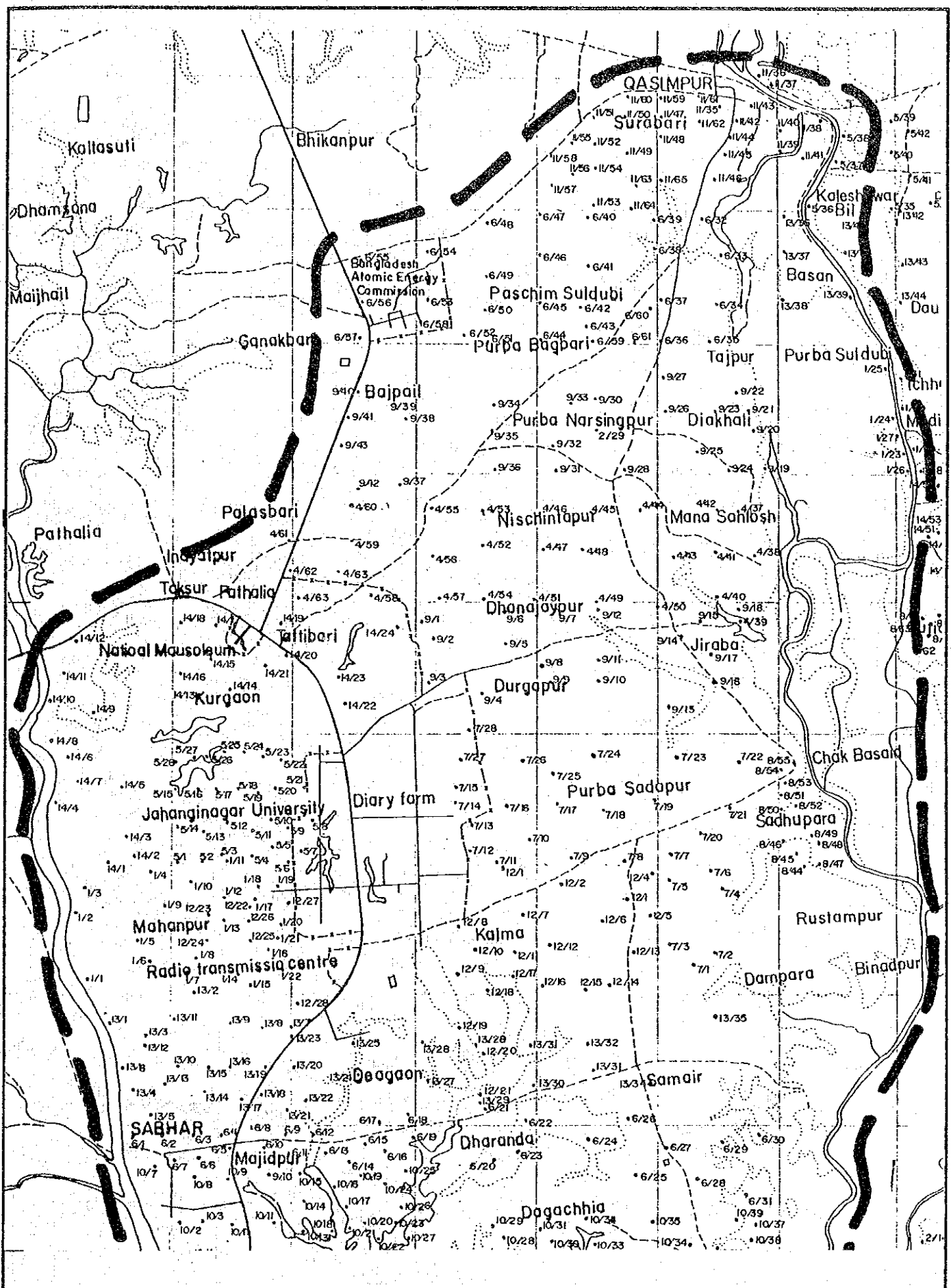


FIG.

LOCATION MAP OF FLOOD SURVEY POINTS AT SAVAR SUB-AREA (1)

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROLOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH

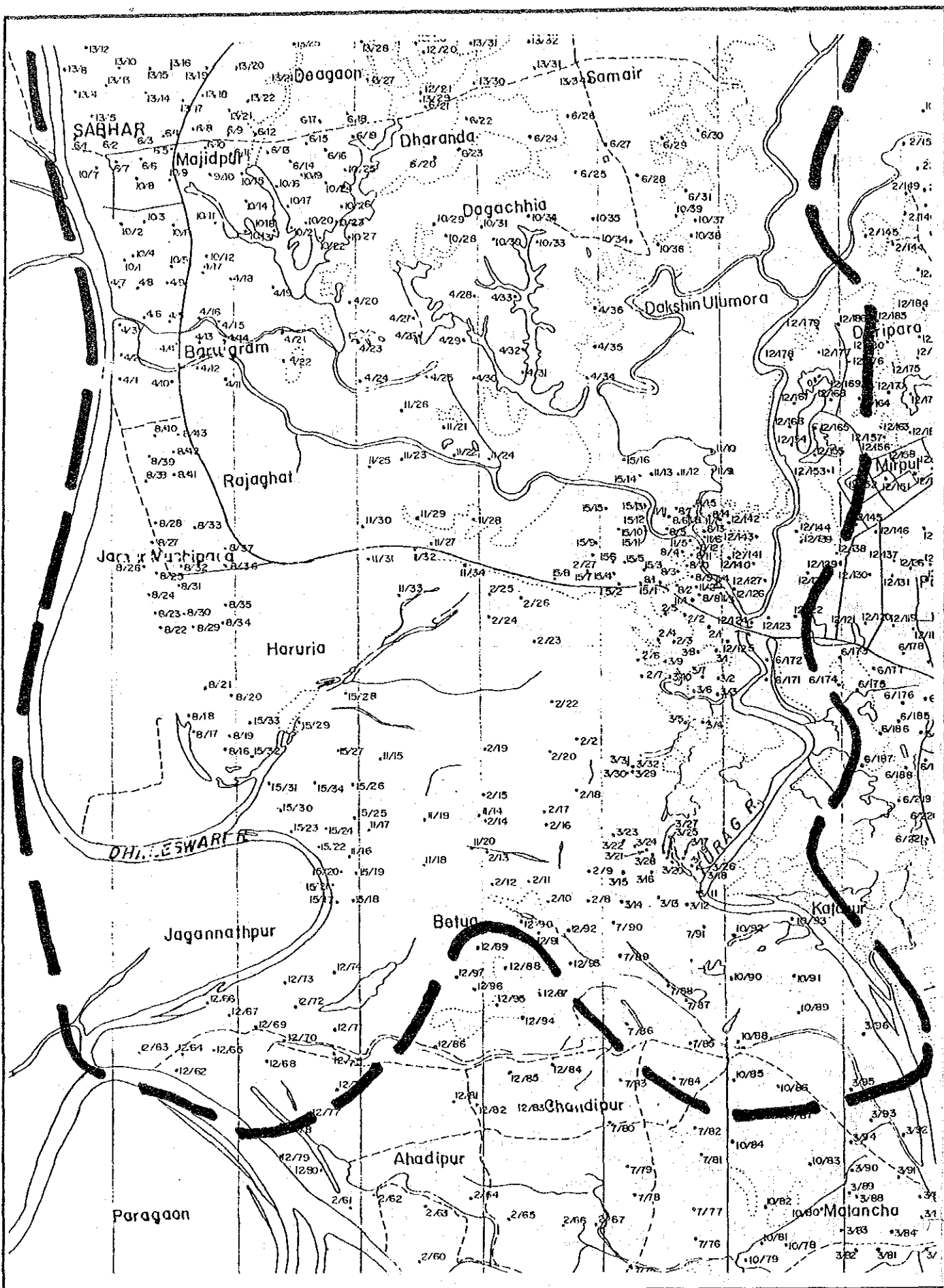


FIG.

LOCATION MAP OF FLOOD SURVEY POINTS AT SAVAR SUB-AREA (2)

GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROLOLITAN AREA) OF BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH

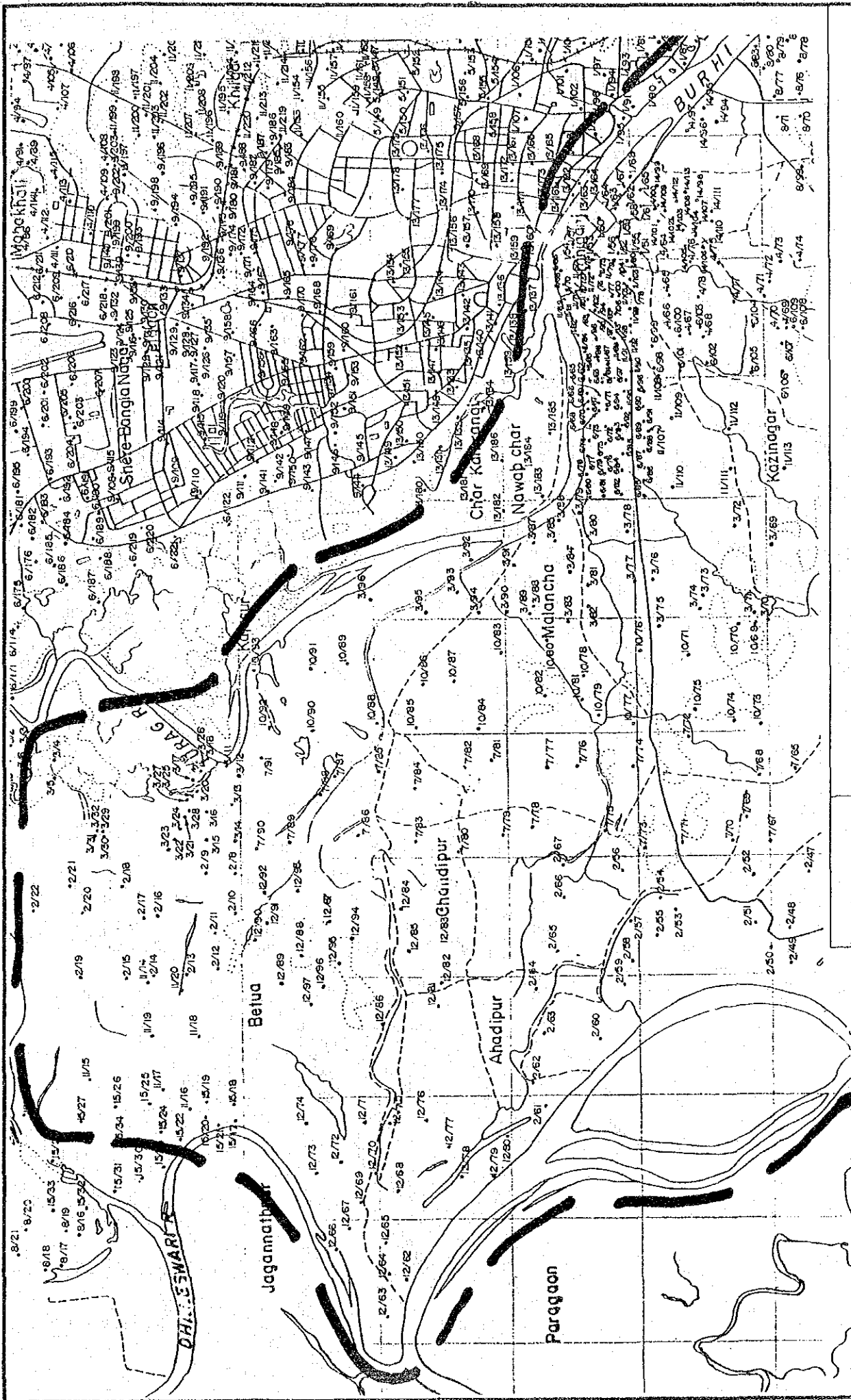


FIG. LOCATION MAP OF FLOOD SURVEY POINTS AT KERANIGANJ SUB-AREA (1)
 GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF
 BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH



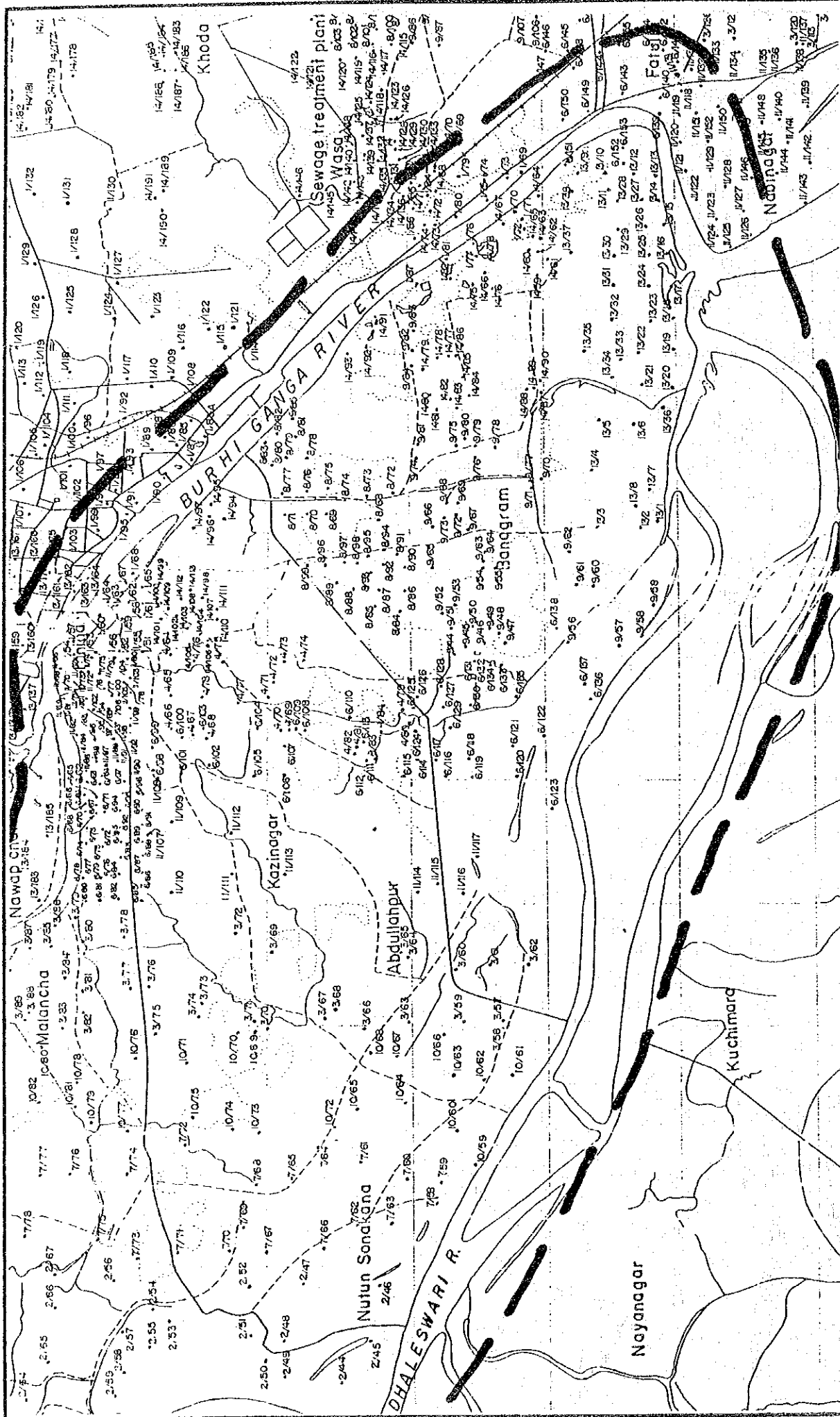


FIG. LOCATION MAP OF FLOOD SURVEY POINTS AT KERANIGANJ SUB-AREA (2)
 GREATER DHAKA PROTECTION PROJECT (STUDY IN DHAKA METROPOLITAN AREA) OF
 BANGLADESH FLOOD ACTION PLAN NO.8A IN THE PEOPLE'S REPUBLIC OF BANGLADESH

