

表 3.5.3 実施機關別 S W I M 事業費予算及び支出 (2/2) (1982-1988年)

(UNIT: Pesos)

Name of Projects	1982		1983		1984		1985		1986		1987		1988		Total	
	Budget	PMO-SWIM	NEA	PMO-SWIM	NEA	PMO-SWIM	NEA	PMO-SWIM	NEA	PMO-SWIM	NEA	PMO-SWIM	NEA	PMO-SWIM	NEA	Total Expenditure
Beak	11,790,776	0	1,087,959	0	0	1,799,378	0	5,003,146	0	0	0	0	0	0	0	7,890,483
Mansayupan	7,533,577	0	2,599,267	657,436	320,342	1,624,658	0	0	0	0	0	0	0	0	0	5,830,652
Kumuharang	11,969,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7,145,524
Subtotal	31,293,353	0	3,687,226	657,436	320,342	3,424,036	0	5,003,146	0	0	0	0	0	0	0	19,996,621

(5) FMB

Name of Projects	1981/82		1983		1984		1985		1986		1987		1988		Total	
	Budget	PMO-SWIM	FMB	PMO-SWIM	FMB	PMO-SWIM	FMB	PMO-SWIM	FMB	PMO-SWIM	FMB	PMO-SWIM	FMB	PMO-SWIM	FMB	Total Expenditure
Ambulase-Bings	4,320,000	2,443,695	0	946,907	0	144,750	0	0	0	0	0	0	0	0	0	3,535,352
Sta. Fe	3,500,000	1,066,094	0	711,740	0	313,625	0	0	0	0	0	0	0	0	0	2,091,399
Pasig-Timbu	1,500,000	969,130	0	284,385	0	193,000	0	0	0	0	0	0	0	0	0	1,447,015
Banaga	3,776,000	0	0	864,154	0	241,250	176,468	432,617	0	776,000	0	960,000	0	1,047,600	0	3,450,789
Binarayan	3,300,000	0	0	0	0	453,936	234,240	431,640	0	776,000	0	1,047,600	0	2,943,416	0	2,943,416
Lawaan	2,744,250	0	0	0	0	386,000	226,724	289,620	0	950,600	0	846,810	0	2,699,764	0	2,699,764
Panacan	2,603,500	0	0	0	0	337,750	172,101	284,000	0	950,600	0	826,350	0	2,570,801	0	2,570,801
EPZA	2,970,000	0	0	712,216	0	356,857	230,727	0	0	247,156	0	523,800	0	2,070,756	0	2,070,756
Subtotal	24,513,750	4,478,839	0	3,519,902	0	2,827,168	1,040,270	1,437,877	0	3,760,356	0	4,204,860	0	20,809,292	0	20,809,292

(6) FSDC

Name of Projects	1981/82		1983		1984		1985		1986		1987		1988		Total	
	Budget	PMO-SWIM	FSDC	PMO-SWIM	FSDC	PMO-SWIM	FSDC	PMO-SWIM	FSDC	PMO-SWIM	FSDC	PMO-SWIM	FSDC	PMO-SWIM	FSDC	Total Expenditure
Makink	500,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	390,085
Sta. Cruz	4,216,903	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,108,209
San Roque	6,486,518	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,109,245
F. Magarassy	15,530,816	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13,595,514
Mansayon	3,201,775	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,902,983
Sta. Barbara	4,595,136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3,897,531
Si-Uvan	7,920,725	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,881,752
Buenavista	8,284,900	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7,788,085
Sta. Maria	6,204,159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6,021,445
Irapo	12,728,687	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,258,033
San Julian	9,306,473	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5,798,026
Subtotal	78,876,090	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61,748,712

SOURCE: PMO-SWIM and cash of implementing agencies

表 4.3.1 S W I M 事業認定案件の事業概要 (1/6) - DPWH -

No.	AGENCY	PROJECT NAME	REGION	PROVINCE	STATUS	PURPOSE	INCIDENTAL PURPOSES	ANNUAL RUNOFF (mm)		EFFECTIVE RESERVOIR STORAGE CAPACITY (m ³)	DAM HEIGHT (m)	EMBELEMMENT VOLUME (m ³)	IRRI-GATED CATCHMENT AREA (ha)	INSTALLED CAPACITY (MW)	WATER SUPPLY CAPACITY (m ³ /day)	FISH PRODUCTION (ton)	ANNUAL PROJECT COST (million pesos)	TOTAL BENEFIT (million pesos)	IRR (%)	ORIGINAL IRR (%)			
								(mm)	(mm)														
1	DPWH	1. SALTAN DAM & RESERVOIR SWIP	1 LA URBON		D/D	IR	FC, IF, MI	1,502	1,805	4	284,000	3	24	134,000	100	120	0	0	4.8	40.3	1.88	(0.3)	24.2
2	DPWH	2. BOLD DAM & RESERVOIR SWIP	CAR. KALINGA-APAYAO		D/D	IR	FC, IF, MI	1,487	1,678	19	1,400,000	26	17	167,200	430	178	0	0	41.6	47.7	9.70	17.1	32.6
3	DPWH	3. SACRIFICE VALLEY DAM	3 BACMAN		F/S	WS	FC, IF, MI	1,166	2,326	6	182,000	5	19	46,690	0	0	105	409	8.0	27.2	0.77	7.0	51.9
4	DPWH	6. TULARIKIN DAM & RESERVOIR	4 PALAWAN		D/D	MI	FC, IF, MI	2,410	1,604	32	1,910,000	29	25	197,000	0	600	1,235	0	46.4	86.1	5.80	5.3	16.9
5	DPWH	7. BUNDOS RIVER SWIP	4 QUEZON		D/D	IR	FC, IF, MI	2,109	3,834	15	730,000	13	19	157,509	250	400	370	0	20.8	71.0	3.64	1.8	25.3
6	DPWH	8. SAN JOSE DAM	4 RIZAL		D/D	IR	FC, IF	861	1,658	2	255,000	5	17	28,750	21	0	0	0	8.0	8.9	0.47	1.4	15.0
7	DPWH	9. CUBACUS DAM & RESERVOIR SWIP	4 RIZAL		D/D	IR	FC, IF, MI	2,179	2,947	10	402,000	6	28	102,424	450	0	0	0	9.6	47.0	6.08	11.0	n.d.
8	DPWH	11. DEBESYAC DAM & RESERVOIR SWIP	5 MANSANETE		F/S	MI	FC, IF, WS, IF, MI	2,018	1,851	28	2,350,000	49	22	132,610	200	350	1,855	800	76.4	74.8	7.97	12.1	34.3
9	DPWH	13. SAN JUAN DAM	8 NORTHERN SARAR		D/D	IR	FC, IF	1,705	3,318	1	1,700,000	20	20	111,550	210	0	0	0	32.0	23.5	4.19	15.0	12.6
10	DPWH	14. GURBA DAM & RESERVOIR SWIP	12 LAMA DEL SIR		D/D	IR	FC, IF, MI, MI	2,679	2,300	3	488,100	12	16	26,860	60	90	112	0	19.2	13.1	1.79	15.0	33.1
11	DPWH	15. MAGPET DAM & RESERVOIR SWIP	12 NORTH COTABATO		D/D	IR	FC, IF, MI, WS, MI	2,003	1,941	14	755,000	7	17	232,640	500	0	136	0	11.2	54.2	9.16	15.3	28.6
12	DPWH	16. BANANAL DAM & RESERVOIR SWIP	12 NORTH COTABATO		F/S	F/S	FC, IF, MI, MI	1,808	1,986	36	1,070,000	15	24	92,250	450	300	363	0	24.0	79.3	10.82	15.0	17.0
13	DPWH	17. ACOF & RESERVOIR SWIP	1 PANGASTINAN		Pre-F/S	IR	FC, IF	n.d.	2,388	9	414,000	6	12	31,950	200	0	0	0	9.6	14.2	3.31	19.1	21.5
14	DPWH	18. CALITITAN DAM & RESERVOIR	1 PANGASTINAN		Pre-F/S	IR	FC, IF	n.d.	2,388	12	765,000	8	21	139,088	150	0	0	0	12.8	32.3	3.27	7.5	15.7
15	DPWH	19. KITA-KITA DAM & RESERVOIR	1 PANGASTINAN		Pre-F/S	IR	FC, IF, MI	n.d.	2,388	9	351,000	10	12	25,789	150	0	95	0	16.0	10.6	2.97	26.8	12.8
16	DPWH	20. SALVACION DAM & RESERVOIR SWIP	1 PANGASTINAN		Pre-F/S	IR	FC, IF, MI	4,191	2,388	5	459,000	5	13	58,366	125	0	60	0	8.0	13.7	2.17	14.9	13.6
17	DPWH	21. SAN ANGEL DAM & RESERVOIR	1 PANGASTINAN		Pre-F/S	IR	FC, IF	7,515	2,388	9	261,000	10	13	35,640	150	0	0	0	16.0	12.0	3.02	20.8	24.6
18	DPWH	22. LIGTOS SWIP	6 ILOILO		Pre-F/S	IR	FC, IF, MI	13,221	2,119	25	1,602,000	10	25	175,652	200	0	1,385	0	16.0	63.3	4.17	5.7	11.4
19	DPWH	23. ABIAN SWIP	2 NUEVA VIZCAYA		Pre-F/S	IR	FC, IF, MI	28,775	1,230	6	1,386,000	5	20	75,074	100	0	265	0	8.0	22.5	2.06	10.8	6.1
20	DPWH	26. CATTARAN SWIP	2 ISABELA		Pre-F/S	IR	FC, IF, MI	4,470	1,926	5	292,500	7	11	35,494	130	0	278	0	11.2	18.1	2.84	21.2	8.4
21	DPWH	27. MALALINVA SWIP	2 ISABELA		Pre-F/S	IR	FC, IF, MI	3,721	1,926	12	315,000	5	13	42,339	75	0	785	0	8.0	23.4	1.73	12.1	6.7
22	DPWH	28. CALIBAYAN SWIP	4 ORT. MINDORO		Pre-F/S	IR	FC, IF, MI	6,524	2,013	15	504,000	8	20	162,676	200	0	500	0	12.8	46.4	4.17	8.0	12.9
23	DPWH	33. LIBASAN SWIP	11 DAVAO DEL NORTE		F/S	IR	FC, IF	n.d.	1,804	4	371,861	20	10	15,480	136	0	0	32.0	11.9	2.36	15.6	n.d.	

Note: F/S: Feasibility Study; D/D: Detailed Design; Pre-F/S: Pre-feasibility Study
 IR: Irrigation; FC: Flood Control; IF: Inland Fishery; MI: Mini-hydropower; WS: Water Supply;
 MI: Watershed Management

表 4.3.1 S W I M 事業認定案件の事業概要 (2/6) - NIA No.1 -

No.	AGENCY	PROJECT NAME	REGION	PROVINCE	PROJECT STATUS	MAIN PURPOSE	ANNUAL CATCH-EFFECTIVE RESER- DAM EMBANKMENT DEEL- INSTALLED REEFES- WATER ANNUAL ORIGINAL																
							RAINFALL (mm)	HEIGHT (mm)	AREA (ha)	STORAGE (m ³)	RESER- VOIR AREA (ha)	HEIGHT (m)	VOLUME (m ³)	CATCH AREA (ha)	CAPACITY (m ³ /day)	SUPPLY (m ³ /day)	FISH PRODUCTION (ton)	PROJECT COST (million pesos)	TOTAL BENEFIT (million pesos)	IRR (%)	IRR (%)		
1	NIA	4 PAMPAGUA SWIP (SCHEME-1)	4	ROMBLON	D/D	IR	FC,MI,IF,IM	735	2,138	37	2,800,000	51	21.0	168,000	500	225	842	0	82	81.3	8.3	8.7	10.9
2	NIA	6 ROTOT SWIP (SCHEME-1)	5	MASBATE	D/D	IR	FC,MI,IF	n.d.	3,133	10	3,144,000	43	18.0	125,830	300	165	0	0	69	35.3	5.8	13.2	11.3
3	NIA	7 CARANDES SWIP	5	CAMARINES SUR	D/D	IR	FC,MI,IF,IM	1,824	3,145	23	386,000	20	14.8	65,645	350	240	1,000	0	32	48.4	7.2	15.4	N.D.
4	NIA	9 NASIP-ID SWIP	7	NEGROS ORIENTAL	D/D	IR	FC,IF,IM	1,433	1,275	10	466,000	0	30.0	160,900	500	0	482	0	10	122.8	10.0	4.9	12.0
5	NIA	11 TUIAS SWIP	7	BOROL	D/D	IR	FC,IF	582	1,486	5	2,080,000	18	33.0	368,500	250	0	0	0	29	46.2	4.6	6.6	10.5
6	NIA	12 ILAYA SWIP	7	BOROL	D/D	IR	FC,IF,IM	427	2,134	10	3,370,000	49	25.0	232,400	450	0	500	0	78	51.3	10.9	19.4	16.4
7	NIA	14 SAGUISURON SWIP (SCHEME-1)	8	NORTHERN SAMAR	D/D	IR	FC,MI,IF	1,796	3,301	5	1,570,000	21	14.0	232,500	230	0	150	0	34	35.5	5.0	12.4	10.3
8	NIA	15 BUCACAO SWIP	9	ZAMBOANGA DEL SUR	D/D	IR	FC,MI,IF	1,101	2,618	23	1,630,000	25	26.0	68,500	410	190	0	0	40	62.6	8.8	10.7	15.5
9	NIA	20 MALOYO SWIP	1	LA UNION	Pre-F/S	IR	FC,IF,IM	2,536	2,436	29	5,409,000	85	23.0	100,300	430	0	985	0	136	63.4	9.9	17.4	24.0
10	NIA	21 MAGSIPING SWIP	1	LA UNION	Pre-F/S	IR	FC,IF,IM	2,536	2,436	10	3,153,000	41	30.0	126,500	100	0	400	0	66	36.8	3.2	10.2	11.6
11	NIA	22 SAN FELIPE SWIP	1	LA UNION	Pre-F/S	IR	FC,IF,IM	2,536	2,436	15	1,364,000	20	30.0	141,600	140	0	600	0	32	44.3	3.6	8.4	13.0
12	NIA	23 MACABATO SWIP	1	LA UNION	Pre-F/S	IR	FC,IF,IM	2,536	2,436	8	682,000	8	30.0	55,000	60	0	320	0	1	22.7	1.3	6.4	12.0
13	NIA	25 PASIDEM SWIP	1	PANGASTINAN	Pre-F/S	IR	FC,IF,IM	2,504	2,319	12	1,957,000	28	30.0	82,000	440	0	380	0	45	43.0	6.8	17.4	21.7
14	NIA	26 OBOY-OBOY SWIP	1	PANGASTINAN	Pre-F/S	IR	FC,IF,IM	2,504	2,319	14	4,289,000	76	22.0	51,000	100	0	120	0	37	36.4	1.7	1.1	8.8
15	NIA	27 VECA SWIP	1	PANGASTINAN	Pre-F/S	IR	FC,IF,IM	2,504	2,319	14	1,730,000	26	30.0	127,000	250	0	520	0	122	30.1	3.8	16.6	15.4
16	NIA	29 ALBERG SWIP	1	PANGASTINAN	Pre-F/S	IR	FC,IF,IM	2,504	2,319	11	1,730,000	26	30.0	127,000	250	0	0	0	42	31.0	4.6	12.9	14.7
17	NIA	31 DUSAP SWIP	1	PANGASTINAN	Pre-F/S	IR	FC,IF,IM	1,138	2,319	1	71,000	4	10.0	14,550	40	0	49	0	0	6.2	0.9	8.2	2.0
18	NIA	32 DIKET SWIP	1	PANGASTINAN	Pre-F/S	IR	FC,IF,IM	1,138	2,319	1	368,000	8	23.0	75,500	75	0	52	0	13	17.3	0.9	1.6	4.8
19	NIA	47 MANMOT CIP	3	NEVA ECLIA	Pre-F/S	IR	FC,IF	1,092	1,900	1	18,000	5	2.0	1,515	5	0	0	0	8	0.4	0.2	57.9	27.0
20	NIA	48 SAN FELIPE CIS	3	NEVA ECLIA	Pre-F/S	IR	FC,IF,IM	1,093	1,900	3	20,000	3	3.0	2,430	5	0	0	0	5	0.5	0.2	30.8	27.0
21	NIA	49 BANG CIS	3	NEVA ECLIA	Pre-F/S	IR	FC,IF,IM	2,066	1,900	10	7,706,000	149	28.0	81,000	230	0	467	0	238	35.7	8.6	29.5	25.0
22	NIA	53 MANTEDID CIP	3	NEVA ECLIA	Pre-F/S	IR	FC,IF,IM	1,094	1,900	3	1,184,000	55	10.0	21,000	75	0	60	0	88	7.8	2.5	32.0	14.7
23	NIA	55 DALAVAP SWIP	3	PAMPANGA	Pre-F/S	IR	FC,IF	1,157	1,843	1	9,500	3	20.0	48,900	55	0	0	0	5	9.1	0.4	(0.2)	5.2
24	NIA	56 BLISS II SWIP	3	PAMPANGA	Pre-F/S	IR	FC,IF	1,150	1,843	1	40,000	2	11.0	19,800	20	0	0	0	3	7.3	0.3	3.7	6.6
25	NIA	57 BIRIGGA CIS	3	TARLAC	Pre-F/S	IR	FC,IF,IM	1,136	2,098	4	439,000	77	22.0	43,500	200	0	161	0	123	21.1	3.3	17.8	11.3
26	NIA	58 TANGARANG CIP	3	TARLAC	Pre-F/S	IR	FC,IF,IM	1,137	2,098	2	278,000	5	21.0	21,600	100	0	80	0	8	9.0	1.4	16.8	19.4
27	NIA	59 LAMCAMILAG CIP	3	TARLAC	Pre-F/S	IR	FC,IF	1,130	2,098	2	719,000	34	8.8	36,000	120	0	0	0	54	8.9	2.3	21.4	12.2
28	NIA	72 MATIKAL SWIP	4	LAGUNA	Pre-F/S	IR	FC,IF	632	1,897	3	447,000	7	30.0	136,100	100	0	0	0	11	25.0	1.2	0.8	7.4
29	NIA	97 IDOROG SWIP	5	MASBATE	Pre-F/S	IR	FC,IF	1,512	1,851	5	1,147,000	21	22.0	57,500	120	0	0	0	34	14.1	2.8	15.4	12.3
30	NIA	98 BAYONGAN CIP	5	MASBATE	Pre-F/S	IR	FC,IF,IM	1,512	1,851	4	1,818,000	50	15.0	52,500	150	0	0	0	80	13.9	4.0	24.7	14.5
31	NIA	99 JAWARUAN CIP	5	MASBATE	Pre-F/S	IR	FC,IF,IM	1,512	1,851	19	4,282,000	166	15.0	77,000	400	0	950	0	266	49.9	12.8	28.7	23.8
32	NIA	100 CAMANGALAN CIP	5	MASBATE	Pre-F/S	IR	FC,IF,IM	1,512	1,851	28	12,485,000	231	21.0	70,700	200	0	1,530	0	370	59.8	9.9	22.9	22.3
33	NIA	101 FOSIACON SWIP	5	MASBATE	Pre-F/S	IR	FC,IF,IM	1,512	1,851	7	4,923,000	95	22.0	89,000	250	0	160	0	152	30.8	7.4	23.9	17.1
34	NIA	102 FLY SWIP	5	MASBATE	Pre-F/S	IR	FC,IF,IM	1,512	1,851	4	727,000	36	10.0	24,000	80	0	60	0	58	11.7	2.6	29.9	14.2
35	NIA	103 BITO SWIP	5	MASBATE	Pre-F/S	IR	FC,IF,IM	1,512	1,851	30	1,404,000	33	15.0	49,000	200	0	1,400	0	53	60.3	5.1	11.6	21.9
36	NIA	104 KIZAL SWIP	5	MASBATE	Pre-F/S	IR	FC,IF,IM	1,512	1,851	4	2,479,000	21	21.9	65,200	120	0	192	0	34	21.9	2.6	14.3	14.4
37	NIA	106 BONTOLAN SWIP	5	MASBATE	Pre-F/S	IR	FC,IF,IM	1,512	1,851	2	2,505,000	56	25.0	73,400	100	0	105	0	58	16.2	2.5	16.5	10.9
38	NIA	107 BOKAN SWIP	5	MASBATE	Pre-F/S	IR	FC,IF,IM	1,512	1,851	5	392,000	17	12.0	28,000	80	0	120	0	27	11.8	1.9	19.8	12.3
39	NIA	108 FIMANGALAN SWIP	5	MASBATE	Pre-F/S	IR	FC,IF	1,512	1,851	12	14,066,000	198	30.0	143,000	250	0	0	0	317	31.5	9.5	25.2	16.9
40	NIA	111 IBINGAN SWIP	5	SORSOGON	Pre-F/S	IR	FC,IF,IM	2,290	2,561	6	1,460,000	18	30.0	172,000	460	0	238	0	29	44.1	7.7	37.1	37.9

Note: F/S: Feasibility Study; D/D: Detailed Design; Pre-F/S: Pre-feasibility Study
 IR: Irrigation; FC: Flood Control; IF: Inland Fishery; IM: Mini-Hydropower;
 Wt: Watershed Management

表 4.3.1 SW I M 事業認定案件の事業概要 (3/6) - NIA No.2 -

No. AGENCY No.	PROJECT NAME	REGION	PROVINCE	PROJECT STATUS	MAIN PURPOSE	ANNUAL RAINFALL (mm)		EFFECTIVE STORAGE CAPACITY (m ³)		RESE- VOIR AREA (ha)	DAM HEIGHT (m)	EMBAWMENT VOLUME (m ³)	IRRI- CAPACITY (ha)	REFRES- TATION AREA (ha)	WATER SUPPLY (m ³ /day)	ANNUAL FISH PRODUCTION (ton)	PROJECT COST (million pesos)	TOTAL BENEFIT (Z)	IRR (%)	ORIGINAL IRR (%)		
						(mm)	(mm)	(m ³)	(m ³)													
41	NIA 112 BAGASICO SWIP	7 BOHOL		Pre-F/S	IR	1,300	2,057	21	2,364,000	52	16.5	42,000	400	0	0	83	33.2	8.0	20.0	23.0		
42	NIA 119 BONDOT-BONDOT SWIP	7 BOHOL		Pre-F/S	IR	1,300	1,792	13	1,693,000	173	30.0	105,000	300	0	680	0	277	45.5	10.8	27.5	22.0	
43	NIA 120 CALUNASAN SWIP	7 BOHOL		Pre-F/S	IR	1,300	1,792	3	833,700	13	30.0	78,000	100	0	120	0	21	16.7	2.2	14.2	14.4	
44	NIA 121 MANDALIG SWIP	7 BOHOL		Pre-F/S	IR	1,300	1,792	3	1,122,000	13	30.0	104,000	140	0	157	0	21	23.1	2.9	15.0	15.0	
45	NIA 122 ABETILAN SWIP	7 BOHOL		Pre-F/S	IR	1,300	2,057	12	202,000	3	30.0	102,000	30	0	55	0	5	19.2	0.7	(0.8)	9.4	
46	NIA 128 LINGSODAN SWIP	7 BOHOL		Pre-F/S	IR	1,300	2,057	1	277,000	15	9.0	8,100	30	0	32	0	24	6.5	0.9	28.1	18.6	
47	NIA 130 CATURAWAN SWIP	7 BOHOL		Pre-F/S	IR	1,300	2,057	4	774,000	13	25.0	77,000	130	0	560	0	21	24.3	3.0	15.6	16.3	
48	NIA 131 LAPACAN SWIP	7 BOHOL		Pre-F/S	IR	1,300	1,791	9	591,000	37	8.5	41,500	150	0	770	0	59	24.0	4.0	25.5	24.8	
49	NIA 132 PATAY SWIP	7 BOHOL		Pre-F/S	IR	1,300	1,791	3	822,000	30	13.0	22,000	110	0	136	0	48	10.9	3.0	32.5	19.6	
50	NIA 133 ASACA SWIP	7 BOHOL		Pre-F/S	IR	1,300	1,555	5	1,749,000	27	23.0	70,000	200	0	180	0	43	26.0	5.1	20.2	22.0	
51	NIA 136 ONDOL SWIP	7 BOHOL		Pre-F/S	IR	1,300	1,555	5	3,692,000	68	22.0	83,000	200	0	225	0	109	26.8	6.1	24.4	21.8	
52	NIA 138 SAN ISIDRO BANLASAN SWIP	7 BOHOL		Pre-F/S	IR	1,300	1,555	7	2,786,000	95	20.0	61,000	300	0	159	0	152	26.3	8.9	32.2	22.5	
53	NIA 139 BANLASAN SWIP	7 BOHOL		Pre-F/S	IR	1,300	1,792	7	485,000	24	10.0	28,300	130	0	320	0	37	16.0	3.0	27.2	20.6	
54	NIA 141 BIARAS SWIP	7 BOHOL		Pre-F/S	IR	485	1,555	6	485,000	23	10.0	25,000	110	0	255	0	0	0	0	0	0	0
55	NIA 147 ZANASCHAN CIP	7 CEBU		Pre-F/S	IR	485	1,622	39	5,992,000	95	30.0	164,000	380	0	1,580	0	152	85.2	10.0	13.7	17.5	
56	NIA 148 IYANG CIP	7 CEBU		Pre-F/S	IR	485	1,622	32	992,000	14	27.0	77,000	230	0	1,350	0	22	61.8	5.3	10.0	16.0	
57	NIA 149 IYANG CIP	7 CEBU		Pre-F/S	IR	485	1,622	19	9,648,000	135	30.0	86,900	240	0	2,160	0	62	93.4	10.3	13.8	19.0	
58	NIA 150 TUNGOD CIP	7 CEBU		Pre-F/S	IR	485	1,622	19	9,648,000	135	30.0	86,900	240	0	1,003	0	216	50.9	8.3	20.0	16.8	
59	NIA 152 MANOG-TUBIG CIP	7 NEGROS ORIENTAL		Pre-F/S	IR	1,595	1,932	8	1,455,000	37	25.0	78,600	180	0	0	0	59	18.8	4.8	23.2	17.2	
60	NIA 154 MASAPLOD CIP	7 NEGROS ORIENTAL		Pre-F/S	IR	1,595	1,932	5	2,273,000	27	30.0	78,000	130	0	240	0	43	21.5	3.6	19.4	13.0	
61	NIA 157 NAGA-MANTUOP CIP	7 NEGROS ORIENTAL		Pre-F/S	IR	1,595	1,932	11	2,481,000	34	30.0	219,300	250	0	465	0	54	57.9	6.3	11.4	22.2	
62	NIA 158 SAN ANTONIO CIP	7 NEGROS ORIENTAL		Pre-F/S	IR	1,595	1,932	9	331,000	7	30.0	118,300	120	0	365	0	11	38.5	2.4	6.4	11.5	
63	NIA 163 TIGARAO CIP	7 SIKULOG		Pre-F/S	IR	1,595	2,115	5	383,000	6	30.0	95,200	80	0	217	0	10	25.8	1.9	7.4	14.2	
64	NIA 186 MAHABAY SWIP	8 SOUTHERN LEYTE		Pre-F/S	IR	1,818	2,761	7	221,000	4	30.0	117,000	335	0	204	0	6	36.8	7.3	19.3	18.5	
65	NIA 187 BOGO-DONGAN SWIP	8 SOUTHERN LEYTE		Pre-F/S	IR	1,818	2,761	13	4,405,000	58	30.0	150,000	260	0	555	0	93	47.1	6.4	14.6	14.4	
66	NIA 188 LAN-AGAN SWIP	8 SOUTHERN LEYTE		Pre-F/S	IR	1,818	2,760	3	3,003,000	45	30.0	141,000	110	0	0	0	72	20.0	3.3	13.8	9.9	
67	NIA 190 KAWANST-RIZAL SWIP	8 SOUTHERN LEYTE		Pre-F/S	IR	1,818	2,760	30	6,031,000	76	30.0	160,000	345	0	0	0	122	52.8	8.9	14.0	15.0	

Note: F/S: Feasibility Study; D/D: Detailed Design; Pre-F/S: Pre-feasibility Study
 IR: Irrigation; FC: Flood Control; I: Inland Fishery; M: Mini-hydropower
 W: Watershed Management

表 4.3.1.1 SW I M 事業認定案件の事業概要 (4/6) - BSWM No.1 -

No.	AGENCY	PROJECT NAME	REGION	PROVINCE	PROJECT STATUS	MAIN PURPOSES	ANNUAL CATCH-EFFECTIVE RESER- DAM EMBANKMENT IRR- INSTALLED REPRES- WATER SUPPLY										TOTAL BENEFIT (7)	IRR (%)					
							RAINFALL (mm)	MEANT STORAGE AREA (ha)	VOIR HEIGHT (m)	VOLUME CAPACITY (10 ⁶ m ³)	CAUTION AREA (ha)	TACTION CAPACITY (10 ⁶ m ³)	AREA (ha)	TACTION CAPACITY (10 ⁶ m ³)	TACTION CAPACITY (10 ⁶ m ³)	TACTION CAPACITY (10 ⁶ m ³)			TACTION CAPACITY (10 ⁶ m ³)	TACTION CAPACITY (10 ⁶ m ³)	TACTION CAPACITY (10 ⁶ m ³)	TACTION CAPACITY (10 ⁶ m ³)	
1	BSM	1 SIESUBEN SHIP	1 ILOOS NORTE		D/D	IR	W,I,IF,FC	530	1,903	1.1	156,662	4	13.5	28,000	30	0	108	0	6.4	6.0	0.4	8.0	41.5
2	BSM	2 OLD-OLD I SHIP	1 ILOOS SUR		D/D	IR	W,I,IF,FC	441	2,136	0.7	168,048	4	13.5	55,900	35	0	63	0	6.4	7.9	0.6	6.9	19.9
3	BSM	3 OLD-OLD II SHIP	1 ILOOS SUR		D/D	IR	W,I,IF,FC	442	2,336	0.7	68,549	1	11.7	97,120	30	0	68	0	1.6	6.3	0.3	7.9	28.4
4	BSM	4 BALINDAN SHIP	1 ILOOS SUR		D/D	IR	W,I,IF,FC	557	2,336	0.4	165,025	3	15.5	46,000	50	0	32	0	4.8	6.6	0.7	10.4	21.0
5	BSM	5 SAN CRISTOBAL SHIP	1 ILOOS NORTE		D/D	IR	W,I,IF,FC	407	1,903	2.6	281,432	10	13.5	39,200	100	0	252	0	16.0	11.0	1.6	21.0	31.2
6	BSM	6 SAN AGUSTIN SHIP	1 ILOOS NORTE		D/D	IR	W,I,IF,FC	559	1,903	0.7	90,882	3	10.0	24,750	32	0	71	0	4.8	5.2	0.5	9.8	28.8
7	BSM	7 HINGAO II SHIP	1 ILOOS NORTE		D/D	IR	W,I,IF,FC	410	1,903	1.4	528,958	19	10.0	33,000	40	0	124	0	30.4	7.3	1.1	19.2	32.5
8	BSM	8 ODA SHIP	1 PANGASINAN		D/D	IR	W,I,IF,FC	893	2,275	1.2	360,737	7	11.0	53,000	100	0	109	0	11.2	9.2	1.8	22.5	32.4
9	BSM	9 FICARDO SHIP	1 PANGASINAN		D/D	IR	W,I,IF,FC	480	2,275	0.9	193,995	12	6.5	10,000	75	0	78	0	19.2	5.3	1.1	25.5	47.8
10	BSM	10 PAVARANDY SHIP	1 PANGASINAN		D/D	IR	W,I,IF,FC	484	2,275	1.2	67,253	2	8.2	15,000	50	0	113	0	3.2	4.9	0.6	15.9	31.1
11	BSM	11 CARAPALISAN SHIP	1 ILOOS NORTE		D/D	IR	W,I,IF,FC	1,324	1,903	0.6	140,707	3	10.0	33,945	50	0	99	0	4.8	5.9	0.9	15.1	20.6
12	BSM	12 PATONG SHIP	1 ILOOS SUR		D/D	IR	W,I,IF,FC	444	2,336	0.9	109,554	4	15.5	38,000	100	0	86	0	6.4	7.6	0.9	12.5	23.1
13	BSM	13 SWAC SHIP	1 ILOOS NORTE		D/D	IR	W,I,IF,FC	436	1,903	0.4	87,990	3	10.0	32,000	20	0	34	0	4.8	5.1	0.3	2.1	30.5
14	BSM	14 MARINI SHIP	1 PANGASINAN		D/D	IR	W,I,IF,FC	647	2,275	1.0	159,693	2	10.0	13,000	80	0	100	0	3.2	5.8	1.0	20.2	27.6
15	BSM	15 SAN CONZALO SHIP	1 PANGASINAN		D/D	IR	W,I,IF,FC	1,748	2,275	0.7	169,958	2	14.5	54,800	50	0	30	0	3.2	7.5	0.9	11.8	23.5
16	BSM	16 CRASSINGALAN SHIP	1 PANGASINAN		D/D	IR	IF,FC	483	2,275	0.7	56,924	2	8.0	13,375	55	0	40	0	3.2	4.3	0.8	22.6	40.1
17	BSM	17 PAKAR SHIP	1 PANGASINAN		D/D	IR	IF,FC	837	2,275	0.6	329,656	4	13.5	32,800	50	0	0	0	6.4	5.6	1.2	22.6	35.2
18	BSM	18 WALUPIN SHIP	1 PANGASINAN		D/D	IR	W,I,IF,FC	826	2,275	2.6	169,869	6	9.7	23,500	100	0	127	0	9.6	8.9	1.2	21.4	39.7
19	BSM	19 VIGA SHIP	1 PANGASINAN		D/D	IR	W,I,IF,FC	826	2,275	0.8	167,670	4	10.0	18,600	70	0	60	0	6.4	5.1	1.3	28.3	51.1
20	BSM	20 CADESAN SHIP	1 ILOOS NORTE		D/D	IR	W,I,IF,FC	419	1,903	3.0	446,635	9	15.0	44,000	75	0	286	0	14.4	7.2	1.5	20.5	44.6
21	BSM	21 MANGWANG SHIP	1 ILOOS NORTE		D/D	IR	W,I,IF,FC	396	1,903	0.4	126,887	4	12.0	31,000	30	0	51	0	6.4	4.6	0.4	8.6	24.0
22	BSM	22 DRUTOG II SHIP	1 ILOOS NORTE		D/D	IR	W,I,IF,FC	403	1,903	0.5	99,278	2	14.0	35,420	25	0	50	0	3.2	5.5	0.3	4.0	20.3
23	BSM	23 SAN ANDRES SHIP	1 ILOOS NORTE		D/D	IR	W,I,IF,FC	408	1,903	1.1	105,048	2	16.0	60,705	40	0	109	0	3.2	9.1	0.5	14.3	34.3
24	BSM	24 PANMANAN SHIP	1 ILOOS NORTE		D/D	IR	W,I,IF,FC	400	1,903	1.1	212,100	5	15.0	30,500	50	0	100	0	8.0	6.1	0.7	14.7	31.8
25	BSM	25 SAN JUAN I SHIP	1 ILOOS NORTE		D/D	IR	W,I,IF,FC	544	2,366	0.1	97,637	1	11.7	28,000	25	0	12	0	1.6	3.4	0.2	4.7	19.0
26	BSM	26 SAN JUAN II SHIP	CAR. ABR		D/D	IR	W,I,IF,FC	497	2,366	0.7	192,277	2	14.0	72,000	25	0	68	0	3.2	8.7	0.3	9.8	23.0
27	BSM	27 MACARABAY SHIP	CAR. ABR		D/D	IR	W,I,IF,FC	550	2,366	0.8	56,921	1	0.5	27,500	60	0	74	0	1.6	5.6	0.7	0.4	7.0
28	BSM	28 PATA SHIP	2 CAGAYAN		D/D	IR	IF,FC	1,375	2,216	0.6	29,609	1	1.3	17,700	100	0	0	0	1.6	5.6	1.2	21.1	27.1
29	BSM	29 BALAJUIT SHIP	2 NUEVA VIZCAYA		D/D	IR	W,I,IF,FC	1,047	2,038	0.9	102,242	3	9.5	10,498	100	0	168	0	19.2	7.8	1.5	27.7	43.2
30	BSM	30 CARANANGAN SHIP	2 ISABELA		D/D	IR	W,I,IF,FC	1,391	2,038	1.8	234,220	12	7.0	30,600	70	0	0	0	4.8	5.8	1.3	26.4	41.9
31	BSM	31 PARANA SHIP	2 ISABELA		D/D	IR	W,I,IF,FC	1,068	2,038	0.3	66,526	3	9.0	9,800	30	0	35	0	4.8	3.4	0.7	23.4	22.6
32	BSM	32 CARUBAN SHIP	2 CAGAYAN		D/D	IR	W,I,IF,FC	892	1,746	1.9	371,069	8	12.0	54,341	100	0	177	0	12.8	10.7	1.7	19.8	17.8
33	BSM	33 DIADI SHIP	2 NUEVA VIZCAYA		D/D	IR	W,I,IF,FC	1,000	2,038	5.6	44,777	4	8.0	36,320	65	0	553	0	6.4	14.7	1.8	24.8	21.6
34	BSM	34 MANGANAN SHIP	2 ISABELA		D/D	IR	W,I,IF,FC	842	1,746	3.1	167,451	6	10.7	18,944	80	0	305	0	9.6	9.3	1.4	26.7	31.0
35	BSM	35 BALITE SHIP	2 NUEVA VIZCAYA		D/D	IR	W,I,IF,FC	1,014	2,038	1.4	17,453	2	8.0	8,000	20	0	142	0	3.2	4.3	0.7	28.4	31.5
36	BSM	36 HINGANG SHIP	2 ISABELA		D/D	IR	W,I,IF,FC	869	1,746	0.6	193,684	4	10.5	37,887	60	0	44	0	6.4	6.8	1.1	15.2	17.6
37	BSM	37 KIRANG SHIP	2 NUEVA VIZCAYA		D/D	IR	W,I,IF,FC	966	2,038	0.5	46,768	2	9.5	15,800	120	0	59	0	3.2	5.5	1.7	31.8	45.3
38	BSM	38 LANEG SHIP	2 CAGAYAN		D/D	IR	W,I,IF,FC	851	1,746	0.3	237,027	6	7.0	22,754	35	0	47	0	9.6	4.2	0.7	18.9	22.8
39	BSM	39 SAN ANTONIO SHIP	2 NUEVA VIZCAYA		D/D	IR	W,I,IF,FC	941	2,038	0.8	188,255	5	10.2	41,140	100	0	80	0	8.0	7.5	1.9	27.4	42.0
40	BSM	40 ARIAN SHIP	2 NUEVA VIZCAYA		D/D	IR	W,I,IF,FC	1,068	2,038	0.2	78,215	2	10.0	16,500	40	0	16	0	3.2	3.9	0.5	13.4	18.5
41	BSM	41 TRINIDAD SHIP	2 ISABELA		D/D	IR	W,I,IF,FC	1,063	2,038	2.6	140,487	5	9.0	140,487	50	0	234	0	8.0	9.5	1.0	16.3	20.7
42	BSM	42 MALALAN SHIP	2 ISABELA		D/D	IR	W,I,IF,FC	955	2,038	0.8	373,000	7	11.0	24,990	70	0	68	0	11.2	5.5	0.6	13.3	21.6
43	BSM	43 ANNEG SHIP	2 CAGAYAN		D/D	IR	W,I,IF,FC	1,374	2,216	0.4	79,574	2	11.0	38,437	50	0	41	0	3.2	6.0	0.6	8.3	21.3
44	BSM	44 ANNEG SHIP	2 ISABELA		D/D	IR	W,I,IF,FC	882	2,038	4.1	290,839	12	7.0	36,729	250	0	398	0	19.2	18.1	4.8	35.7	24.7
45	BSM	45 VICTORIA SHIP	2 CAGAYAN		D/D	IR	W,I,IF,FC	1,066	2,038	0.5	102,550	3	10.3	15,800	40	0	43	0	4.8	3.6	0.8	24.7	34.9
46	BSM	46 SAN FRANCISCO SHIP	2 CAGAYAN		D/D	IR	W,I,IF,FC	1,089	2,038	0.8	111,035	4	11.2	30,000	100	0	72	0	6.4	5.5	1.2	23.6	37.8
47	BSM	47 SAN FRANCISCO SHIP	2 CAGAYAN		D/D	IR	W,I,IF,FC	2,963	2,038	1.2	391,700	12	10.0	26,000	100	0	107	0	19.2	7.1	2.0	34.4	45.0
48	BSM	48 STA FILIPINA SHIP	2 ISABELA		D/D	IR	W,I,IF,FC	1,012	2,038	0.2	58,040	3	6.5	4,333	15	0	22	0	4.8	1.4	0.3	28.9	30.9
49	BSM	49 OLD SAN MARIANO	2 ISABELA		D/D	IR	W,I,IF,FC	1,016	2,038	0.6	46,460	2	10.6	18,000	20	0	56	0	3.2	3.4	0.4	12.5	27.1
50	BSM	50 YERAN SHIP	2 ISABELA		D/D	IR	W,I,IF,FC	997	2,038	0.9	213,300	5	13.0	41,040	55	0	80	0	8.0	7.0	1.1	17.5	32.1

Notes: D/D: Detailed Design; IR: Irrigation; FC: Flood Control; IF: Inland Fishery; W: Watershed Management

表 4.3.1 S W I M 事業認定案件の事業概要 (5/6) - BSWM No.2 -

No.	AGENCY	PROJECT NAME	REGION	PROVINCE	PROJECT STATUS	MAIN PURPOSE	ANNUAL RAINFALL (mm)			EFFECTIVE RESERVOIR STORAGE CAPACITY (m ³)			RESE-VOIR HEIGHT (m)			DAM EMBANKMENT VOL-UME (m ³)			GATION CAPACITY (m ³ /day)			WATER SUPPLY CAPACITY (m ³ /day)			ANNUAL FISH PRODUCTION (ton)			PROJECT TOTAL BENEFIT (million pesos)			ORIGINAL IRR (%)		
							ANNUAL	INCIDENTAL	MINIMUM	AREA	CAPACITY	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA	AREA
51	ESM	52	ISABELA	IR	D/D	IR	969	2,038	0.7	365,775	10	13.6	46,000	50	0	60	0	16.0	9.6	1.0	10.5	25.6											
52	ESM	56	CAGAYAN	IR	D/D	IR	932	1,746	1.3	421,600	8	14.0	50,000	80	0	117	0	12.8	9.2	1.1	13.9	34.2											
53	ESM	57	CAGAYAN	IR	D/D	IR	893	1,746	0.9	136,000	5	9.5	23,625	43	0	82	0	8.0	5.0	0.7	17.4	35.8											
54	ESM	58	CAGAYAN	IR	D/D	IR	1,024	2,216	0.4	133,412	4	12.6	30,000	38	0	35	0	6.4	4.7	0.6	12.5	17.2											
55	ESM	59	CAGAYAN	IR	D/D	IR	1,025	2,216	1.0	250,369	6	13.4	50,740	40	0	88	0	9.6	7.9	1.2	17.6	25.0											
56	ESM	60	NEVA	IR	D/D	IR	560	1,880	0.8	279,354	7	10.5	34,510	100	0	73	0	11.2	8.2	1.2	16.2	29.7											
57	ESM	61	NEVA	IR	D/D	IR	544	1,880	0.8	395,424	16	8.7	26,080	100	0	80	0	25.6	6.8	1.6	27.5	38.3											
58	ESM	62	BULACAN	IR	D/D	IR	645	1,880	2.2	485,745	21	9.0	12,500	100	0	180	0	33.6	7.7	2.1	43.7	44.2											
59	ESM	63	NEVA	IR	D/D	IR	518	1,880	0.8	212,799	6	11.0	15,500	100	0	69	0	9.6	5.7	1.5	29.9	29.8											
60	ESM	64	NEVA	IR	D/D	IR	521	1,880	0.7	306,078	6	10.2	22,000	100	0	65	0	9.6	6.7	1.1	17.5	34.3											
61	ESM	65	NEVA	IR	D/D	IR	1,248	1,909	2.0	42,302	1	13.5	23,300	50	0	199	0	1.6	5.4	0.4	7.7	25.6											
62	ESM	66	NEVA	IR	D/D	IR	516	1,880	0.8	227,278	11	8.4	17,500	100	0	70	0	17.5	5.8	1.6	31.5	61.9											
63	ESM	67	NEVA	IR	D/D	IR	507	1,880	0.4	154,717	4	11.0	29,000	50	0	32	0	6.4	5.5	0.7	13.5	23.8											
64	ESM	68	NEVA	IR	D/D	IR	567	1,880	0.8	94,030	4	11.0	42,705	50	0	71	0	6.4	5.8	0.8	11.6	22.1											
65	ESM	69	NEVA	IR	D/D	IR	526	1,880	0.4	281,663	8	13.0	22,680	50	0	35	0	12.8	4.9	0.7	15.9	40.2											
66	ESM	70	NEVA	IR	D/D	IR	589	1,880	0.6	190,043	8	13.0	44,000	100	0	56	0	8.0	7.6	0.8	10.4	14.9											
67	ESM	71	NEVA	IR	D/D	IR	542	1,880	2.4	367,690	9	11.0	46,538	100	0	277	0	14.4	11.6	1.4	15.8	24.9											
68	ESM	72	NEVA	IR	D/D	IR	518	1,880	0.6	286,700	9	10.0	11,500	70	0	52	0	14.4	4.9	0.9	20.0	43.8											
69	ESM	73	NEVA	IR	D/D	IR	473	1,880	0.5	201,132	5	10.5	44,000	80	0	45	0	8.0	7.3	1.1	15.2	31.9											
70	ESM	74	NEVA	IR	D/D	IR	687	1,880	7.2	1,098,613	27	19.0	30,200	400	0	693	0	43.2	24.8	5.4	34.3	51.9											
71	ESM	75	NEVA	IR	D/D	IR	607	1,880	3.4	222,656	6	14.0	35,938	80	0	334	0	9.6	10.9	1.1	16.9	25.5											
72	ESM	76	NEVA	IR	D/D	IR	552	1,880	0.9	365,540	6	19.0	110,500	50	0	83	0	9.6	12.9	1.0	6.1	16.7											
73	ESM	77	NEVA	IR	D/D	IR	1,713	1,855	0.3	219,182	5	12.3	38,600	50	0	20	0	8.0	5.4	0.8	13.9	18.9											
74	ESM	78	NEVA	IR	D/D	IR	1,713	1,855	0.3	155,640	5	10.0	28,000	75	0	23	0	4.8	5.8	1.1	17.5	21.7											
75	ESM	79	NEVA	IR	D/D	IR	1,724	1,854	0.2	91,323	3	10.5	19,300	45	0	17	0	3.2	4.1	0.7	15.6	16.7											
76	ESM	80	NEVA	IR	D/D	IR	254	1,646	1.1	285,055	7	11.9	47,523	50	0	107	0	11.2	8.5	1.1	14.7	18.9											
77	ESM	81	NEVA	IR	D/D	IR	2,594	1,879	0.4	82,064	3	9.5	20,111	80	0	34	0	4.8	5.3	0.3	2.8	25.4											
78	ESM	82	NEVA	IR	D/D	IR	3,059	3,443	0.5	64,180	2	9.5	20,885	100	0	49	0	3.2	5.7	0.7	11.9	34.1											
79	ESM	83	NEVA	IR	D/D	IR	2,486	3,443	0.5	76,545	3	9.0	15,300	50	0	47	0	4.8	4.6	0.9	20.9	32.8											
80	ESM	84	NEVA	IR	D/D	IR	2,329	3,175	0.8	153,007	9	6.0	15,458	100	0	67	0	14.4	6.1	0.9	16.2	25.4											
81	ESM	85	NEVA	IR	D/D	IR	1,579	3,312	0.7	53,234	2	8.8	29,792	50	0	32	0	1.6	4.4	0.6	13.1	15.8											
82	ESM	86	NEVA	IR	D/D	IR	1,661	3,311	0.4	60,811	2	9.0	16,120	25	0	42	0	3.2	5.7	0.7	12.9	20.3											
83	ESM	87	NEVA	IR	D/D	IR	1,628	3,312	0.7	51,767	3	7.0	14,091	25	0	77	0	4.8	4.0	0.4	12.8	26.2											
84	ESM	88	NEVA	IR	D/D	IR	1,898	3,749	0.2	14,205	2	12.0	24,200	50	0	16	0	3.2	5.7	0.7	12.9	20.3											
85	ESM	89	NEVA	IR	D/D	IR	1,893	2,212	0.6	18,412	1	10.0	11,800	50	0	64	0	1.6	4.3	0.6	12.4	22.4											
86	ESM	90	NEVA	IR	D/D	IR	1,642	2,212	0.6	60,512	2	2.5	28,400	40	0	65	0	3.2	5.0	0.8	17.3	31.7											
87	ESM	91	NEVA	IR	D/D	IR	2,025	3,749	0.2	58,556	4	11.0	36,500	100	0	46	0	6.4	7.6	1.1	15.7	23.7											
88	ESM	92	NEVA	IR	D/D	IR	1,569	1,244	0.5	119,321	4	13.5	23,200	50	0	12	0	3.2	3.6	0.6	15.2	23.8											
89	ESM	93	NEVA	IR	D/D	IR	1,569	1,244	0.5	109,672	4	12.5	14,000	35	0	30	0	6.4	4.1	0.7	18.4	23.8											
90	ESM	94	NEVA	IR	D/D	IR	1,437	1,244	0.6	35,679	4	9.8	11,900	30	0	59	0	3.2	4.8	0.7	16.2	29.8											
91	ESM	95	NEVA	IR	D/D	IR	1,558	1,244	0.6	176,495	8	11.0	26,600	110	0	131	0	12.8	8.7	1.9	28.2	19.4											
92	ESM	96	NEVA	IR	D/D	IR	1,435	1,782	0.2	71,336	1	15.6	26,000	35	0	21	0	1.6	4.3	0.6	12.3	17.6											
93	ESM	97	NEVA	IR	D/D	IR	1,476	1,216	2.5	17,359	2	13.5	19,500	100	0	247	0	3.2	0.8	2.2	37.2	43.9											
94	ESM	98	NEVA	IR	D/D	IR	1,431	1,215	1.3	19,567	2	13.0	45,000	50	0	131	0	3.2	8.2	1.0	14.1	23.8											
95	ESM	99	NEVA	IR	D/D	IR	1,463	1,244	1.0	79,439	4	7.0	8,800	100	0	96	0	6.4	5.7	1.9	39.5	25.8											
96	ESM	100	NEVA	IR	D/D	IR	1,566	1,244	0.5	106,039	3	12.0	10,250	100	0	43	0	4.8	4.9	1.0	31.1	33.1											
97	ESM	101	NEVA	IR	D/D	IR	1,566	3,030	0.6	55,717	2	9.6	31,400	25	0	54	0	3.2	5.6	0.3	3.4	15.1											
98	ESM	102	NEVA	IR	D/D	IR	3,415	2,912	0.5	75,320	6	6.0	36,600	100	0	46	0	9.6	7.1	1.3	17.9	42.3											

Note: D/D: Detailed Design
 IR: Irrigation; FC: Flood Control; IF: Inland Fishery; WF: Watershed Management

表 4.3.1 S W I M 事業認定案件の事業概要 (6/6) - BSWM No.3 -

No. AGENCY No.	PROJECT NAME	REGION	PROVINCE	PROJECT STATUS	MAIN PURPOSE	ANNUAL RAINFALL (mm)		CATCH-AREA (km ²)		EFFECTIVE STORAGE CAPACITY (m ³)	RESERVOIR AREA (ha)	DIAMETER (m)	HEIGHT (m)	VOL. (m ³)	EMBRANKMENT AREA (ha)	Irrigation AREA (ha)	CAPACITY (m ³ /day)	WATER SUPPLY (m ³ /day)	ANNUAL FISH PRODUCTION (t/ha)	PROJECT COST (million pesos)	TOTAL BENEFIT (t)	IRRIGATION EFFICIENCY (%)	CRITICAL IRRIGATION (%)
						MINIMUM	MAXIMUM	AREA	PERCENTAGE														
101	ESM 110 INVERCAY SWIP			D/D	IR	W.I.F.C	1,393	3,030	0.3	114,866	4	10.0	31,000	50	0	24	0	6.4	5.9	0.9	15.5	34.8	
102	ESM 111 STA. 55 SWIP			D/D	IR	W.I.F.C	1,710	4,020	0.7	151,491	3	8.0	15,323	125	0	63	0	4.8	6.4	2.1	34.3	43.5	
103	ESM 112 CAMBIN SWIP			D/D	IR	W.I.F.C	2,154	2,130	0.5	396,065	9	10.0	16,800	58	0	36	0	14.4	4.8	1.0	23.8	49.4	
104	ESM 113 LARON SWIP			D/D	IR	W.I.F.C	2,849	3,906	0.2	59,845	2	10.0	17,200	25	0	15	0	3.2	3.2	0.5	14.6	28.5	
105	ESM 114 POLANQUI SWIP			D/D	IR	W.I.F.C	1,708	4,020	0.5	70,331	4	6.0	9,600	50	0	44	0	6.4	3.6	1.1	33.7	52.4	
106	ESM 115 TABARAN SWIP			D/D	IR	W.I.F.C	1,408	2,593	1.3	58,000	4	13.0	28,430	100	0	193	0	3.2	9.9	n.d.	20.4	28.5	
107	ESM 117 WOODLAND SWIP			D/D	IR	W.I.F.C	1,644	2,996	0.3	55,235	1	13.6	19,400	70	0	27	0	1.6	4.9	1.0	19.1	18.8	
108	ESM 118 SUMADAT SWIP			D/D	IR	W.I.F.C	1,773	2,996	0.6	98,125	3	11.0	17,040	60	0	53	0	4.8	8.3	1.8	29.8	28.5	
109	ESM 119 LINKOT SWIP			D/D	IR	W.I.F.C	1,658	2,511	0.7	61,871	2	11.0	15,600	80	0	66	0	3.2	5.4	1.2	24.9	24.7	
110	ESM 120 LAPARE I SWIP			D/D	IR	W.I.F.C	1,632	2,511	0.5	60,734	2	12.0	26,200	60	0	50	0	3.2	5.7	1.0	18.2	20.5	
111	ESM 121 LAPARE II SWIP			D/D	IR	W.I.F.C	2,001	2,511	0.5	40,204	2	12.5	20,200	100	0	50	0	3.2	6.7	1.0	14.5	19.1	
112	ESM 122 BUNWISTA SWIP			D/D	IR	W.I.F.C	1,642	2,511	0.2	76,566	2	11.0	20,400	100	0	20	0	3.2	5.1	1.0	17.4	24.3	
113	ESM 123 GOLING SWIP			D/D	IR	W.I.F.C	2,657	5,056	1.0	48,210	3	6.0	6,000	150	0	93	0	4.8	4.9	2.1	37.2	30.9	
114	ESM 124 LABUNGAN SWIP			D/D	IR	W.I.F.C	1,579	2,316	0.7	78,549	4	8.0	20,000	105	0	63	0	6.4	6.1	1.3	22.8	24.4	
115	ESM 125 AUBELID SWIP			D/D	IR	W.I.F.C	3,361	3,906	0.7	48,210	1	13.0	41,200	80	0	67	0	1.6	7.8	1.0	13.0	16.2	
116	ESM 126 RALBRAN SWIP			D/D	IR	W.I.F.C	2,686	5,056	0.3	138,448	7	6.2	9,000	140	0	27	0	11.2	5.2	1.6	30.3	42.4	
117	ESM 127 APLANG SWIP			D/D	IR	W.I.F.C	2,143	2,316	0.8	295,439	7	13.0	58,000	155	0	80	0	11.2	10.4	3.2	30.8	24.4	
118	ESM 128 TALAO SWIP			D/D	IR	W.I.F.C	1,611	2,316	1.6	208,932	8	7.0	34,000	170	0	86	0	12.8	10.1	2.6	29.8	25.1	
119	ESM 129 IMALAGAN SWIP			D/D	IR	W.I.F.C	2,390	2,316	0.8	118,557	4	7.0	25,676	100	0	75	0	6.4	6.3	2.1	35.6	43.6	
120	ESM 130 MINTUOD SWIP			D/D	IR	W.I.F.C	1,609	2,316	0.8	63,430	2	9.0	10,900	200	0	74	0	3.2	7.5	2.2	29.6	46.2	
121	ESM 131 MALAYAN SWIP			D/D	IR	W.I.F.C	2,193	2,316	0.6	84,919	3	12.0	18,300	60	0	42	0	4.8	4.8	1.0	22.6	21.6	
122	ESM 132 TALAGANAWAN SWIP			D/D	IR	W.I.F.C	1,673	5,056	2.1	88,993	4	9.0	20,000	200	0	209	0	6.4	10.3	3.5	41.0	57.6	
123	ESM 133 KIBAO SWIP			D/D	IR	W.I.F.C	824	2,639	0.6	206,731	5	12.0	48,391	35	0	59	0	8.0	6.3	0.6	9.5	15.9	
124	ESM 134 SAN RAFAEL SWIP			D/D	IR	W.I.F.C	826	951	2.9	146,733	4	11.0	41,000	135	0	284	0	6.4	12.3	1.6	17.5	20.4	
125	ESM 135 BUKAN SWIP			D/D	IR	W.I.F.C	451	2,639	0.3	17,750	1	7.2	6,100	30	0	29	0	1.6	2.8	0.4	14.6	20.5	
126	ESM 136 LIBRION SWIP			D/D	IR	W.I.F.C	546	951	2.5	68,848	2	11.0	2,400	40	0	241	0	3.2	8.1	0.7	19.9	18.2	
127	ESM 137 DIMADALIC SWIP			D/D	IR	W.I.F.C	633	2,639	4.1	531,755	11	12.0	47,000	190	0	401	0	12.8	16.1	3.1	27.7	20.5	
128	ESM 138 LIBRAN SWIP			D/D	IR	W.I.F.C	601	2,639	1.5	313,912	8	10.0	31,800	150	0	139	0	12.8	9.7	2.7	31.7	29.4	
129	ESM 139 FLORIDA SWIP			D/D	IR	W.I.F.C	629	2,639	0.5	134,163	4	12.2	12,695	40	0	46	0	6.4	4.0	0.5	14.5	18.8	
130	ESM 140 DALMAN SWIP			D/D	IR	W.I.F.C	456	2,639	2.8	111,316	4	11.0	39,400	80	0	279	0	6.4	10.6	1.6	22.1	25.3	
131	ESM 141 SAN NICOLAS SWIP			D/D	IR	W.I.F.C	471	2,639	2.3	49,963	2	15.0	43,250	120	0	228	0	1.6	11.9	1.9	19.5	26.2	
132	ESM 142 BULTON SWIP			D/D	IR	W.I.F.C	2,397	1,571	0.5	67,053	2	15.0	39,000	80	0	48	0	3.2	7.7	1.2	13.0	21.2	
133	ESM 143 PETAPO SWIP			D/D	IR	W.I.F.C	2,428	1,256	1.0	89,613	6	7.0	49,200	85	0	93	0	9.6	7.4	1.6	19.9	35.5	
134	ESM 144 LODY SWIP			D/D	IR	W.I.F.C	2,441	1,571	1.0	241,742	9	8.0	37,000	250	0	89	0	14.4	12.1	4.7	34.8	39.8	
135	ESM 145 DALINGAN SWIP			D/D	IR	W.I.F.C	2,443	1,571	0.9	100,769	4	6.0	34,000	120	0	38	0	6.4	8.2	2.6	30.0	18.9	
136	ESM 146 TIMBIRAN SWIP			D/D	IR	W.I.F.C	2,314	1,256	0.8	78,125	2	14.0	19,000	100	0	75	0	3.2	6.4	1.3	22.3	31.0	
137	ESM 147 BUKOK SWIP			D/D	IR	W.I.F.C	2,068	1,256	0.2	55,973	2	6.0	13,167	20	0	21	0	3.2	3.5	0.3	10.0	29.8	
138	ESM 148 LANCHEA SWIP			D/D	IR	W.I.F.C	2,159	1,256	1.0	286,642	14	8.0	20,000	175	0	86	0	22.4	8.9	2.2	27.8	60.1	
139	ESM 150 NEW CARMEN			D/D	IR	W.I.F.C	2,503	1,256	0.9	93,607	6	7.2	9,740	100	0	87	0	9.6	6.1	1.9	35.8	70.0	

Note: D/D: Detailed Design; IR: Irrigation; FC: Flood Control; IF: Inland Fishery; IM: Watershed Management

表 4.4.1 優先度判定基準(1/4) - 総合評価点(PR) -

$$PR = 30\%TS + 40\%EV + 30\%SE$$

Where,

TS = Merit Point of Technical Soundness

EV = Merit Point of Economic/Financial Viability

SE = Merit Point of Social/Environmental Impacts

表 4.4.1 優先度判定基準 (2/4) - 技術評価点 (TS) -

$$TS(30) = 20\%RF(6) + 20\%SE(6) + 10\%CD(3) + 10\%CW(3) + 20\%FC(6) + 20\%TD(6)$$

Where,

RF = Water Resources Reliability Factor

SE = Storage Efficiency

CD = Unit Cost of Dam Construction

CW = Unit Cost of Reservoir Water

FC = Effect of Flood Control

TD = Degree of Technical Difficulties

FACTORS FOR EVALUATION	MERIT POINTS
(1) RF = (Drainage Area x Annual Rainfall) / Storage Capacity	
(a) Less than 7 (too large dam)	50
(b) Between 7 and 12 (adequate scale)	100
(c) More than 12 (too small dam)	50
(2) SE = Effective Storage Capacity / Embankment Volume	
(a) Less than 5	50
(b) Between 5 and 30	$50 + ((SE - 5) \times 2)$
(c) More than 30	100
(3) CD = Dam Construction Cost / Embankment Volume (P/m ³)	
(a) 200 and above	50
(b) Between 100 and 200	$100 - ((CD - 100) / 2)$
(c) Below 100	100
(4) CW = Dam Construction Cost / Storage Capacity (P/m ³)	
(a) 30 and above	50
(b) Between 10 and 30	$100 - ((CW - 10) \times 2.5)$
(c) Below 10	100
(5) FC = (Reservoir Area at Full Water Level x Overflow Depth) / Drainage Area (mm)	
(a) Less than 50	50
(b) Between 50 and 300	$50 + ((FC - 50) \times 0.2)$
(c) More than 300	100
(6) TD = Degree of Technical Difficulties for Construction Length of access road, availability of embankment materials, easiness of foundation treatment, diversion works and closure of river, etc. are considered.	
(a) High	50
(b) Medium	75
(c) Low	100

表 4.4.1 優先度判定基準 (3/4) - 經濟・財務評價點 (EV) -

$$EV(40) = 40ZIR(16) + 10ZEO(4) + 10ZPB(4) + 30ZRB(12) + 10ZFR(4)$$

Where,

- IR = Economic Internal Rate of Return
- EO = Increase of Employment Opportunity
- PB = Number of Project Beneficiaries
- RB = Repayability of Beneficiaries
- FR = Annual Fund Requirement

FACTORS FOR EVALUATION	MERIT POINTS
(1) IR = Economic Internal Rate of Return (%)	
(a) Less than 10	50
(b) Between 10 and 20	50+((IR-10)x5)
(c) More than 20	100
(2) EO = ((Construction Cost of Dam) x 0.15)/100 (man-days) The number of employee is estimated.	
(a) Less than 5,000	50
(b) Between 5,000 and 10,000	50+((EO-5,000)x0.01)
(c) More than 10,000	100
(3) PB = Number of Project Beneficiaries (families) Estimated from irrigation area, generated power, etc., if not mentioned in the reports.	
(a) Less than 100	50
(b) Between 100 and 300	50+((PB-100)x0.25)
(c) More than 300	100
(4) RB = Increase of Annual Income / (Annual Amortization + Annual O&M Costs) Annual Amortization = (Cost for Irrigation Facilities)x0.9/25yrs Annual O&M Costs = (Cost for Irrigation Facilities)x0.025	
(a) Less than 10	50
(b) Between 10 and 20	50+((RB-10)x5)
(c) More than 20	100
(5) FR = Dam Construction Cost / Construction Period (P/year)	
(a) More than 6 million	50
(b) Between 2 million and 6 million	100-((FR-2)x12.5)
(c) Less than 2 million	100

表 4.4.1 優先度判定基準(4/4) - 社会・環境評価点(SE) -

$$SE(30) = 33ZDI(10) + 33ZRC(10) + 17ZLA(5) + 17ZEI(5)$$

Where,

DI = Equitable Distribution of Income

RC = Relation with CARP

LA = Degree of Land Acquisition Problem

EI = Environmental Impacts

FACTORS FOR EVALUATION	MERIT POINTS
(1) DI = Income Class of Municipalities (Class I to VI)	
(a) Class I (more than ₱15 million)	30
(b) Class II (₱10 million to ₱15 million)	30
(c) Class III (₱5 million to ₱10 million)	65
(d) Class IV (₱3 million to ₱5 million)	65
(e) Class V (₱1 million to ₱3 million)	100
(f) Class VI (less than ₱15 million)	100
(2) RC = Relation with CARP (Comprehensive Agrarian Reform Program)	
(a) Priority Province in terms of Project Development and Implementation of the CARP Program	100
(b) Other Provinces	0
(3) LA = Existing Agricultural Land in the Proposed Reservoir Area (ha)	
(a) More than 10	50
(b) Between 5 and 10	75
(c) Less than 5	100
(4) EI = Reservoir Area (ha)	
(a) More than 100	50
(b) Between 5 and 100	$100 - ((EI-5)/1.9)$
(c) Less than 5	100

表 5.3.1 技術評鑑結果 (1/4)

Agency No.	Present Status	Group of Tech.Assess.	Next Step and Major Review Works
DPWH 1	D/D	D-3	Review of project planning
DPWH 2	D/D	D-1	Ready to construction
DPWH 3 *	F/S	F-2	Modification of foundation treatment and review of project planning
DPWH 6	D/D	D-3	Review of project planning
DPWH 7 *	D/D	D-4	Modification of foundation treatment and raising dam height and review of project planning
OPWH 8 *	D/D	D-4	Modification zoning and review of project planning
DPWH 9 *	D/D	D-2	Modification of foundation treatment, raising dam height, modification of spillway type and diversion work
DPWH 11	F/S	F-1	Ready to detailed design
DPWH 13	D/D	D-1	Ready to construction
DPWH 14	D/D	D-1	Ready to construction
DPWH 15	D/D	D-1	Ready to construction
DPWH 16	F/S	F-1	Ready to detailed design
DPWH 17	Pre-F/S	P-1	Ready to feasibility study
DPWH 18	Pre-F/S	P-2	Review of pre-feasibility study
DPWH 19	Pre-F/S	P-1	Ready to feasibility study
DPWH 20	Pre-F/S	P-1	Ready to feasibility study
DPWH 21	Pre-F/S	P-1	Ready to feasibility study
DPWH 22	Pre-F/S	P-2	Review of pre-feasibility study
DPWH 25	Pre-F/S	P-1	Ready to feasibility study
DPWH 26	Pre-F/S	P-1	Ready to feasibility study
DPWH 27	Pre-F/S	P-1	Ready to feasibility study
DPWH 28	Pre-F/S	P-2	Review of pre-feasibility study
DPWH 33	F/S	F-3	Repeat from feasibility study
NIA 4 *	D/D	D-4	Modification of foundation treatment and review of project planning
NIA 6 *	D/D	D-2	Modification of design of diversion work
NIA 7	D/D	D-1	Ready to construction
NIA 9 *	D/D	D-4	Modification of foundation treatment and further study of diversion work, and review of project planning
NIA 11 *	D/D	D-4	Review of design of diversion work, and review of project planning
NIA 12	D/D	D-1	Ready to construction
NIA 14	D/D	D-1	Ready to construction
NIA 15 *	D/D	D-2	Modification of foundation treatment
NIA 20	Pre-F/S	P-1	Ready to feasibility study
NIA 21	Pre-F/S	P-1	Ready to feasibility study
NIA 22	Pre-F/S	P-2	Review of pre-feasibility study
NIA 23	Pre-F/S	P-2	Review of pre-feasibility study
NIA 25	Pre-F/S	P-1	Ready to feasibility study
NIA 26	Pre-F/S	P-2	Review of pre-feasibility study
NIA 27	Pre-F/S	P-1	Ready to feasibility study
NIA 29	Pre-F/S	P-1	Ready to feasibility study
NIA 31	Pre-F/S	P-2	Review of pre-feasibility study
NIA 32	Pre-F/S	P-2	Review of pre-feasibility study
NIA 47	Pre-F/S	P-1	Ready to feasibility study
NIA 48	Pre-F/S	P-1	Ready to feasibility study
NIA 49	Pre-F/S	P-1	Ready to feasibility study
NIA 53	Pre-F/S	P-1	Ready to feasibility study
NIA 55	Pre-F/S	P-2	Review of pre-feasibility study
NIA 56	Pre-F/S	P-2	Review of pre-feasibility study
NIA 57	Pre-F/S	P-1	Ready to feasibility study
NIA 58	Pre-F/S	P-1	Ready to feasibility study
NIA 59	Pre-F/S	P-1	Ready to feasibility study
NIA 72	Pre-F/S	P-2	Review of pre-feasibility study
NIA 97	Pre-F/S	P-1	Ready to feasibility study
NIA 98	Pre-F/S	P-1	Ready to feasibility study
NIA 99	Pre-F/S	P-1	Ready to feasibility study
NIA 100	Pre-F/S	P-1	Ready to feasibility study
NIA 101	Pre-F/S	P-1	Ready to feasibility study
NIA 102	Pre-F/S	P-1	Ready to feasibility study
NIA 103	Pre-F/S	P-1	Ready to feasibility study
NIA 104	Pre-F/S	P-1	Ready to feasibility study
NIA 106	Pre-F/S	P-1	Ready to feasibility study
NIA 107	Pre-F/S	P-1	Ready to feasibility study

表 5.3.1 技術評銜結果 (2/4)

Agency No.	Present Status	Group of Tech.Assess.	Next Step and Major Review Works
NIA 108	Pre-F/S	P-1	Ready to feasibility study
NIA 111	Pre-F/S	P-1	Ready to feasibility study
NIA 112	Pre-F/S	P-1	Ready to feasibility study
NIA 119	Pre-F/S	P-1	Ready to feasibility study
NIA 120	Pre-F/S	P-1	Ready to feasibility study
NIA 121	Pre-F/S	P-1	Ready to feasibility study
NIA 122	Pre-F/S	P-2	Review of pre-feasibility study
NIA 128	Pre-F/S	P-1	Ready to feasibility study
NIA 130	Pre-F/S	P-1	Ready to feasibility study
NIA 131	Pre-F/S	P-1	Ready to feasibility study
NIA 132	Pre-F/S	P-1	Ready to feasibility study
NIA 133	Pre-F/S	P-1	Ready to feasibility study
NIA 136	Pre-F/S	P-1	Ready to feasibility study
NIA 138	Pre-F/S	P-1	Ready to feasibility study
NIA 139	Pre-F/S	P-1	Ready to feasibility study
NIA 141	Pre-F/S	P-1	Ready to feasibility study
NIA 147	Pre-F/S	P-1	Ready to feasibility study
NIA 148	Pre-F/S	P-1	Ready to feasibility study
NIA 149	Pre-F/S	P-1	Ready to feasibility study
NIA 150	Pre-F/S	P-1	Ready to feasibility study
NIA 152	Pre-F/S	P-1	Ready to feasibility study
NIA 154	Pre-F/S	P-1	Ready to feasibility study
NIA 157	Pre-F/S	P-1	Ready to feasibility study
NIA 158	Pre-F/S	P-2	Review of pre-feasibility study
NIA 163	Pre-F/S	P-2	Review of pre-feasibility study
NIA 186	Pre-F/S	P-1	Ready to feasibility study
NIA 187	Pre-F/S	P-1	Ready to feasibility study
NIA 188	Pre-F/S	P-1	Ready to feasibility study
NIA 190	Pre-F/S	P-1	Ready to feasibility study
BSWM 1	D/D	D-3	Review of project planning
BSWM 2 *	D/D	D-4	Raising dam height and review of project planning
BSWM 3 *	D/D	D-4	Raising dam height and review of project planning
BSWM 4	D/D	D-1	Ready to construction
BSWM 5 *	D/D	D-2	Raising dam height
BSWM 6 *	D/D	D-4	Raising dam height and review of project planning
BSWM 7 *	D/D	D-2	Raising dam height
BSWM 8	D/D	D-1	Ready to construction
BSWM 9	D/D	D-1	Ready to construction
BSWM 10	D/D	D-1	Ready to construction
BSWM 11 *	D/D	D-2	Raising dam height
BSWM 12	D/D	D-1	Ready to construction
BSWM 13	D/D	D-3	Review of project planning
BSWM 14	D/D	D-1	Ready to construction
BSWM 15 *	D/D	D-2	No drawing
BSWM 16	D/D	D-1	Ready to construction
BSWM 17	D/D	D-1	Ready to construction
BSWM 18	D/D	D-1	Ready to construction
BSWM 19	D/D	D-1	Ready to construction
BSWM 20	D/D	D-1	Ready to construction
BSWM 21	D/D	D-3	Review of project planning
BSWM 23 *	D/D	D-4	Raising dam height and review of project planning
BSWM 24 *	D/D	D-4	Raising dam height and review of project planning
BSWM 25	D/D	D-1	Ready to construction
BSWM 26	D/D	D-3	Review of project planning
BSWM 27	D/D	D-3	Review of project planning
BSWM 28	D/D	D-3	Review of project planning
BSWM 29	D/D	D-1	Ready to construction
BSWM 30 *	D/D	D-2	Raising dam height
BSWM 31	D/D	D-1	Ready to construction
BSWM 32	D/D	D-1	Ready to construction
BSWM 33 *	D/D	D-2	No drawing, raising dam height
BSWM 34 *	D/D	D-2	Raising dam height
BSWM 35 *	D/D	D-2	Raising dam height
BSWM 36	D/D	D-1	Ready to construction
BSWM 37 *	D/D	D-2	Raising dam height
BSWM 38	D/D	D-1	Ready to construction
BSWM 39 *	D/D	D-2	Raising dam height

表 5.3.1 技術評鑑結果(3/4)

Agency No.	Present Status	Group of Tech.Assess.	Next Step and Major Review Works
BSWM 40 *	D/D	D-2	Raising dam height
BSWM 41	D/D	D-1	Ready to construction
BSWM 42	D/D	D-1	Ready to construction
BSWM 43 *	D/D	D-2	Raising dam height
BSWM 44 *	D/D	D-4	Raising dam height and review of project planning
BSWM 45 *	D/D	D-2	Raising dam height
BSWM 46	D/D	D-1	Ready to construction
BSWM 47	D/D	D-1	Ready to construction
BSWM 48	D/D	D-1	Ready to construction
BSWM 49	D/D	D-1	Ready to construction
BSWM 50	D/D	D-1	Ready to construction
BSWM 51 *	D/D	D-2	Raising dam height
BSWM 52	D/D	D-1	Ready to construction
BSWM 56	D/D	D-1	Ready to construction
BSWM 57	D/D	D-1	Ready to construction
BSWM 58	D/D	D-1	Ready to construction
BSWM 59	D/D	D-1	Ready to construction
BSWM 60 *	D/D	D-2	Raising dam height
BSWM 61	D/D	D-1	Ready to construction
BSWM 62 *	D/D	D-2	Raising dam height
BSWM 63	D/D	D-1	Ready to construction
BSWM 64	D/D	D-1	Ready to construction
BSWM 65	D/D	D-3	Review of project planning
BSWM 66	D/D	D-1	Ready to construction
BSWM 67	D/D	D-1	Ready to construction
BSWM 68	D/D	D-1	Ready to construction
BSWM 69 *	D/D	D-2	Raising dam height
BSWM 70	D/D	D-1	Ready to construction
BSWM 71 *	D/D	D-2	Raising dam height
BSWM 72	D/D	D-1	Ready to construction
BSWM 73	D/D	D-1	Ready to construction
BSWM 74	D/D	D-1	Ready to construction
BSWM 75	D/D	D-1	Ready to construction
BSWM 76	D/D	D-3	Review of project planning
BSWM 77	D/D	D-1	Ready to construction
BSWM 78	D/D	D-1	Ready to construction
BSWM 79	D/D	D-1	Ready to construction
BSWM 80 *	D/D	D-2	Raising dam height
BSWM 82 *	D/D	D-4	Raising dam height and review of project planning
BSWM 83 *	D/D	D-2	Raising dam height
BSWM 84	D/D	D-1	Ready to construction
BSWM 85 *	D/D	D-2	Raising dam height
BSWM 86	D/D	D-1	Ready to construction
BSWM 87 *	D/D	D-2	Raising dam height
BSWM 88 *	D/D	D-2	Raising dam height
BSWM 89 *	D/D	D-2	Raising dam height
BSWM 90	D/D	D-1	Ready to construction
BSWM 91	D/D	D-1	Ready to construction
BSWM 92 *	D/D	D-2	Layout of spillway
BSWM 93	D/D	D-1	Ready to construction
BSWM 94	D/D	D-1	Ready to construction
BSWM 95	D/D	D-1	Ready to construction
BSWM 96	D/D	D-1	Ready to construction
BSWM 97	D/D	D-1	Ready to construction
BSWM 98	D/D	D-1	Ready to construction
BSWM 99	D/D	D-1	Ready to construction
BSWM 100	D/D	D-1	Ready to construction
BSWM 101	D/D	D-1	Ready to construction
BSWM 102	D/D	D-1	Ready to construction
BSWM 103	D/D	D-1	Ready to construction
BSWM 108	D/D	D-3	Review of project planning
BSWM 109	D/D	D-1	Ready to construction
BSWM 110	D/D	D-1	Ready to construction
BSWM 111 *	D/D	D-2	Raising dam height
BSWM 112	D/D	D-1	Ready to construction
BSWM 113	D/D	D-1	Ready to construction
BSWM 114	D/D	D-1	Ready to construction

表 5.3.1 技術評鑑結果 (4/4)

Agency No.	Present Status	Group of Tech.Assess.	Next Step and Major Review Works
BSWM 115	D/D	D-3	Review of project planning
BSWM 117	D/D	D-1	Ready to construction
BSWM 118	D/D	D-1	Ready to construction
BSWM 119	D/D	D-1	Ready to construction
BSWM 120	D/D	D-1	Ready to construction
BSWM 121	D/D	D-1	Ready to construction
BSWM 122	D/D	D-1	Ready to construction
BSWM 123	D/D	D-1	Ready to construction
BSWM 124	D/D	D-1	Ready to construction
BSWM 125	D/D	D-1	Ready to construction
BSWM 126	D/D	D-1	Ready to construction
BSWM 127	D/D	D-1	Ready to construction
BSWM 128	D/D	D-1	Ready to construction
BSWM 129	D/D	D-1	Ready to construction
BSWM 130 *	D/D	D-2	Raising dam height
BSWM 131	D/D	D-1	Ready to construction
BSWM 132	D/D	D-1	Ready to construction
BSWM 133	D/D	D-1	Ready to construction
BSWM 134 *	D/D	D-4	Raising dam height
BSWM 135	D/D	D-1	Ready to construction
BSWM 136	D/D	D-1	Ready to construction
BSWM 137	D/D	D-1	Ready to construction
BSWM 138	D/D	D-1	Ready to construction
BSWM 139	D/D	D-1	Ready to construction
BSWM 140 *	D/D	D-2	Raising dam height
BSWM 141	D/D	D-1	Ready to construction
BSWM 142	D/D	D-1	Ready to construction
BSWM 143	D/D	D-1	Ready to construction
BSWM 144	D/D	D-1	Ready to construction
BSWM 145	D/D	D-1	Ready to construction
BSWM 146	D/D	D-1	Ready to construction
BSWM 147	D/D	D-1	Ready to construction
BSWM 149 *	D/D	D-2	Raising dam height
BSWM 150	D/D	D-1	Ready to construction
BSWM 151	D/D	D-1	Ready to construction

Note: * ; Projects of which modification of dam design is required.

表 8.3.1 SWIM 事業 10 年 実施 計画 (1/6)

F/S: Feasibility Study
 D/D: Detailed Design
 P/N: Preparatory Work
 CON: Construction

W/S: Study for Watershed Protection
 REV: Review of Previous Study
 : The implementation schedules will be determined under the OECF SWIM Project.

IMPLEMENTATION SCHEDULE

Rank	Agency No	Region	Name of Province	1991		1992		1993		1994		1995		1996		1997		1998		1999		2000	
				1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd
DPWH																							
"A" Group																							
(1) IRR-10s																							
21	1	PANGASINAN		F/S	D/D	P/N	CON	CON															
2	DPWH	19	1	PANGASINAN		F/S	D/D	P/N	CON														
3	DPWH	26	2	ISABELA		F/S	D/D	P/N	CON														
4	DPWH	27	2	ISABELA		F/S	D/D	P/N	CON														
5	DPWH	20	1	PANGASINAN		F/S	D/D	P/N	CON														
6	DPWH	17	1	PANGASINAN		F/S	D/D	P/N	CON														
OECF Projects																							
7	DPWH	2	CAJ	KALINGA-APAYAO																			
8	DPWH	15	12	NORTH COTABATO																			
9	DPWH	9	4	RIZAL																			
"B" Group																							
(1) IRR-10s																							
10	DPWH	13	8	NORTHERN SAMAR																			
11	DPWH	33	11	BAVADO DEL NORTE																			
12	DPWH	14	12	LANAO DEL SUR																			
13	DPWH	25	2	NUOVA VIZCAYA																			
14	DPWH	11	5	PAASBAYE																			
15	DPWH	16	12	NORTH COTABATO																			
(2) IRR-10s																							
16	DPWH	28	4	CR. RINDORO																			
17	DPWH	18	1	PANGASINAN																			
18	DPWH	22	6	LOLOLO																			
19	DPWH	6	4	PALAWAN																			
20	DPWH	7	4	QUEZON																			
21	DPWH	8	4	RIZAL																			
22	DPWH	3	3	BATANGAS																			
23	DPWH	1	1	LA UNION																			
NIA																							
"A" Group																							
(1) IRR-10s																							
1	NIA	132	7	BOHOL																			
2	NIA	136	7	BOHOL																			
3	NIA	119	7	BOHOL																			
4	NIA	49	3	NUOVA EGIJA																			
5	NIA	111	5	SORSOGON																			
6	NIA	112	7	BOHOL																			
7	NIA	133	7	BOHOL																			
8	NIA	12	7	BOHOL																			
9	NIA	138	7	BOHOL																			
10	NIA	141	7	BOHOL																			
11	NIA	130	7	BOHOL																			

表 8.3.1 S W I M 事業 1 0 年 実 施 計 画 (2/6)

W/S: Study for Watershed Protection
 REV: Review of Previous Study
 P/N: Preparatory Work
 COM: Construction

F/S: Feasibility Study
 D/D: Detailed Design
 P/N: Preparatory Work
 COM: Construction

W/S: Study for Watershed Protection
 REV: Review of Previous Study
 P/N: Preparatory Work
 COM: Construction

IMPLEMENTATION SCHEDULE

No.	Agency No.	Region	Name of Province	1991		1992		1993		1994		1995		1996		1997		1998		1999		2000	
				1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd
12	NIA	27	1-PANGASINAN																				
13	NIA	102	5-HASBATE	F/S&W/S	D/D	P/N	COM																
14	NIA	131	7-BONOL	F/S&W/S	D/D	COM	COM																
15	NIA	139	3-BONOL							F/S&W/S	D/D	P/N	COM										
16	NIA	128	7-BONOL							F/S&W/S	D/D	P/N	COM										
17	NIA	53	3-RIEVA ECLJA							F/S&W/S	D/D	P/N	COM										
18	NIA	101	5-HASBATE	F/S&W/S	D/D	P/N	COM																
19	NIA	25	1-PANGASINAN	F/S&W/S	D/D	P/N	COM																
20	NIA	152	7-NEGROS ORIENTAL																				
21	NIA	99	5-HASBATE	F/S&W/S	D/D	P/N	COM																
22	NIA	120	7-BONOL							F/S&W/S	D/D	P/N	COM										
23	NIA	57	3-TARLAC							F/S&W/S	D/D	P/N	COM										
24	NIA	108	5-HASBATE							F/S	D/D	P/N	COM										
25	NIA	98	5-HASBATE							F/S	D/D	P/N	COM										
OECD Projects																							
26	NIA	6	5-HASBATE																				
27	NIA	7	5-COMARTINES SUR																				
28	NIA	4	4-ROSELON																				
29	NIA	15	9-TARLAC																				
30	NIA	11	7-BONOL																				
"B" Group																							
(1) IRR-10X																							
31	NIA	47	3-RIEVA ECLJA																				
32	NIA	106	5-HASBATE																				
33	NIA	154	7-NEGROS ORIENTAL																				
34	NIA	121	7-BONOL																				
35	NIA	48	3-RIEVA ECLJA																				
36	NIA	107	5-HASBATE																				
37	NIA	29	1-PANGASINAN																				
38	NIA	59	3-TARLAC																				
39	NIA	97	5-HASBATE																				
40	NIA	150	7-CEBU																				
41	NIA	100	5-HASBATE																				
42	NIA	58	3-TARLAC																				
43	NIA	14	8-NORTHERN SAMAR																				
44	NIA	186	8-SOUTHERN LEYTE																				
45	NIA	147	7-CEBU																				
46	NIA	104	5-HASBATE																				
47	NIA	103	5-HASBATE																				
48	NIA	190	8-SOUTHERN LEYTE																				
49	NIA	20	1-ILA UNION																				
50	NIA	187	8-SOUTHERN LEYTE																				
51	NIA	157	7-NEGROS ORIENTAL																				
52	NIA	21	1-ILA UNION																				
53	NIA	149	7-CEBU																				

表 8.3.1 SWIM 事業 10 年実施計画 (3/6)

IMPLEMENTATION SCHEDULE

W/S: Study for Watershed Protection
 REV: Review of Previous Study
 P/N: Preparatory Work
 CON: Construction

F/S: Feasibility Study
 D/D: Detailed Design
 P/N: Preparatory Work
 CON: Construction

W/S: Study for Watershed Protection
 REV: Review of Previous Study
 P/N: Preparatory Work
 CON: Construction

No.	Agency No	Region	Name of Province	1991		1992		1993		1994		1995		1996		1997		1998		1999		2000	
				1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd
54	RIA 188	8	SOUTHERN LEYTE																				
55	RIA 148	7	CEBU																				
56	RIA 22	1	LA UNION																				
57	RIA 31	1	PANGASINAN																				
58	RIA 163	7	STOILAK																				
59	RIA 23	1	LA UNION																				
60	RIA 158	7	NEGROS ORIENTAL																				
61	RIA 9	7	NEGROS ORIENTAL																				
62	RIA 56	3	PAMPANGA																				
63	RIA 32	1	PANGASINAN																				
64	RIA 26	1	PANGASINAN																				
65	RIA 72	4	LAGUNA																				
66	RIA 55	3	PAMPANGA																				
67	RIA 122	7	BOHOL																				

BSM

** Group

(1) TRR-10s

1	BSM 8	1	PANGASINAN																				
2	BSM 35	2	ISABELA																				
3	BSM 19	1	PANGASINAN																				
4	BSM 45	2	ISABELA																				
5	BSM 17	1	PANGASINAN																				
6	BSM 144	12	MAGUIRANAO																				
7	BSM 74	3	NUOVA ECUIJA																				
8	BSM 63	3	NUOVA ECUIJA																				
9	BSM 51	2	ISABELA																				
10	BSM 16	1	PANGASINAN																				
11	BSM 37	2	ISABELA																				
12	BSM 15	1	PANGASINAN																				
13	BSM 127	10	BUKIDHOK																				
14	BSM 102	7	BOHOL																				
15	BSM 72	3	NUOVA ECUIJA																				
16	BSM 32	2	ISABELA																				
17	BSM 9	1	PANGASINAN																				
18	BSM 103	7	BOHOL																				
19	BSM 96	7	BOHOL																				
20	BSM 49	2	ISABELA																				
21	BSM 64	3	NUOVA ECUIJA																				
22	BSM 138	11	DAVAO DEL NORTE																				
23	BSM 14	1	PANGASINAN																				
24	BSM 46	2	QUIRINO																				
25	BSM 124	10	BUKIDHOK																				
26	BSM 18	1	PANGASINAN																				

表 8.3.1 S W I M 專案 1 0 九 年 美 施 計 画 (4/6)

IMPLEMENTATION SCHEDULE

F/S: Feasibility Study
 D/D: Detailed Design
 P/M: Preparatory Work
 CON: Construction

W/S: Study for Watershed Protection
 REV: Review of Previous Study
 * : The implementation schedules will be determined under the DECF SWIA Project.

Rank No.	Agency No.	Region	Name of Province	1991		1992		1993		1994		1995		1996		1997		1998		1999		2000	
				1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd
27	BSM 94	6	ANTIQUE																				
28	BSM 97	7	BOROL																				
29	BSM 71	3	NUOVA ECIJA																				
30	BSM 60	3	NUOVA ECIJA																				
31	BSM 147	12	SULTAN KUDARAT																				
32	BSM 95	7	BOROL																				
33	BSM 42	2	ISABELA																				
34	BSM 31	2	ISABELA																				
35	BSM 69	3	NUOVA ECIJA																				
36	BSM 34	2	NUOVA VIZCAYA																				
37	BSM 48	2	QUIRINO																				
38	BSM 36	2	NUOVA VIZCAYA																				
39	BSM 140	11	DAVAO DEL NORTE																				
40	BSM 75	3	NUOVA ECIJA																				
41	BSM 67	3	NUOVA ECIJA																				
42	BSM 40	2	NUOVA VIZCAYA																				
43	BSM 150	12	SULTAN KUDARAT																				
44	BSM 59	2	CAGAYAN																				
45	BSM 128	10	AGISAN D. NORTE																				
46	BSM 33	2	CAGAYAN																				
47	BSM 130	10	AGISAN D. NORTE																				
48	BSM 66	3	NUOVA ECIJA																				
DECF Projects																							
49	BSM 3	1	ILOCOS SUR																				
50	BSM 85	5	AUBAY																				
51	BSM 120	9	ZAMBANGA D. SUR																				
52	BSM 83	5	COMARINES NORTE																				
53	BSM 114	8	EASTERN SAMAR																				
54	BSM 82	5	MASBATE																				
55	BSM 111	8	EASTERN SAMAR																				
56	BSM 139	11	DAVAO DEL NORTE																				
57	BSM 99	7	NEGROS ORIENTAL																				
58	BSM 80	4	DICCIO, MINDORO																				
59	BSM 91	6	CAPIZ																				
60	BSM 141	11	DAVAO DEL SUR																				
61	BSM 131	10	AGISAN D. NORTE																				
62	BSM 79	4	ORIENTAL MINDORO																				
63	BSM 133	10	BUKIDNON																				
64	BSM 143	12	NORTH COTABATO																				
65	BSM 135	11	SOUTH COTABATO																				
66	BSM 77	4	ORIENTAL MINDORO																				
67	BSM 112	8	LEYTE																				
68	BSM 145	12	NORTH COTABATO																				
69	BSM 98	7	BOROL																				
70	BSM 73	3	NUOVA ECIJA																				

表 8.3.1 S W I M 專案 1 0 九 年 實 施 計 画 (5 / 6)

IMPLEMENTATION SCHEDULE

F/S: Feasibility Study
 D/D: Detailed Design
 P/N: Preparatory Work
 CON: Construction

W/S: Study for Watershed Protection
 REV: Review of Previous Study
 * : The implementation schedules will be determined under the OECF SWIM Project.

Mark No.	Agency No	Region of Province	Name	1991		1992		1993		1994		1995		1996		1997		1998		2000	
				1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd
71	BSMR 80	6	PAJALAY																		
72	BSMR 65	3	TARLAC																		
73	BSMR 117	9	ZAMBONICA D. SUR																		
74	BSMR 149	12	SULTAN KUDARAT																		
75	BSMR 90	5	MARTIÑE																		
76	BSMR 110	8	NORTHERN SAMAR																		
77	BSMR 134	11	DAVAO ORIENTAL																		
78	BSMR 62	3	BULACAN																		
79	BSMR 61	3	NUOVA ECILIA																		
B Group																					
(1) IRR-104																					
80	BSMR 109	8	WESTERN SAMAR																		
81	BSMR 20	1	ILOOS NORTE																		
82	BSMR 100	7	REGIOS ORIENTAL																		
83	BSMR 5	1	ILOOS NORTE																		
84	BSMR 84	5	CAMARINES NORTE																		
85	BSMR 30	2	NUOVA VISCAYA																		
86	BSMR 52	2	ISABELA																		
87	BSMR 10	1	PANGASINAN																		
88	BSMR 146	12	NORTH COTABATO																		
89	BSMR 123	9	ZAMBONICA D. SUR																		
90	BSMR 47	2	QUILIMO																		
91	BSMR 50	2	ISABELA																		
92	BSMR 39	2	CAGAYAN																		
93	BSMR 78	4	ORIENT. MINDORO																		
94	BSMR 142	11	DAVAO DEL SUR																		
95	BSMR 86	5	CATAOQUANES																		
96	BSMR 119	9	ZAMBONICA D. SUR																		
97	BSMR 132	10	AGUSAN D. NORTE																		
98	BSMR 57	2	CAGAYAN																		
99	BSMR 11	1	ILOOS NORTE																		
100	BSMR 151	12	NORTH COTABATO																		
101	BSMR 43	2	ISABELA																		
102	BSMR 38	2	NUOVA VISCAYA																		
103	BSMR 92	6	PAJALAY																		
104	BSMR 7	1	ILOOS NORTE																		
105	BSMR 25	1	ILOOS NORTE																		
106	BSMR 125	10	AGUSAN D. NORTE																		
107	BSMR 29	2	CAGAYAN																		
108	BSMR 121	9	ZAMBONICA D. SUR																		
109	BSMR 101	7	REGIOS ORIENTAL																		
110	BSMR 110	9	ZAMBONICA D. SUR																		
111	BSMR 93	6	PAJALAY																		
112	BSMR 129	10	AGUSAN D. NORTE																		
113	BSMR 113	8	SOUTHERN SAMAR																		

表 8.3.1 S W I M 事業 1 0 年 実 施 計 画 (6 / 6)

IMPLEMENTATION SCHEDULE

F/S: Feasibility Study
 D/D: Detailed Design
 P/W: Preparatory Work
 CON: Construction

W/S: Study for Watershed Protection
 REV: Review of Previous Study
 * : The Implementation schedules will be determined under the ODF SWIM Project.

:Rank :No.	Agency No	:Region : of	: Name : Province	1991		1992		1993		1994		1995		1996		1997		1998		1999		2000	
				1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd
114	BSM 137	11	SOUTH COTABATO																				
115	BSM 87	6	AJLALAN																				
116	BSM 56	2	CAGAYAN																				
117	BSM 58	2	CAGAYAN																				
118	BSM 41	2	NUOVA VISICAYA																				
119	BSM 89	6	AJLALAN																				
120	BSM 4	1	ILOCOS SUR																				
121	BSM 12	1	ILOCOS SUR																				
122	BSM 126	10	SURIGAO D. NORTE																				
123	BSM 136	11	DAVAO ORIENTAL																				
124	BSM 68	3	BULACAN																				
125	BSM 122	9	ZAMBOANGA D. SUR																				
126	BSM 70	3	BULACAN																				
(2)	IRR-104																						
127	BSM 6	1	ILOCOS NORTE																				
128	BSM 21	1	ILOCOS NORTE																				
129	BSM 44	2	DAGAYAN CLAYER																				
130	BSM 1	1	ILOCOS NORTE																				
131	BSM 28	CAR	ABRA																				
132	BSM 2	1	ILOCOS SUR																				
133	BSM 76	3	NUOVA ECLIA																				
134	BSM 26	CAR	ABRA																				
135	BSM 23	1	ILOCOS NORTE																				
136	BSM 24	1	ILOCOS NORTE																				
137	BSM 108	8	NORTHERN SAMAR																				
138	BSM 13	1	ILOCOS NORTE																				
139	BSM 27	CAR	ABRA																				
140	BSM 115	8	WESTERN SAMAR																				

表 9.2.1 S W I M 事業費積算

(Unit: Pesos 1,000)

Cost Items	DPWH Projects	NIA Projects	BSWM Projects	Total
I. Direct Cost				
1. Dam	384,761 (81,912)	894,213 (129,205)	384,997 (79,751)	1,663,971 (290,868)
2. Irrigation	71,811 (23,460)	271,799 (36,592)	184,127 (45,356)	527,737 (105,408)
3. Mini-Hydropower	52,923 (4,288)	20,044 (20,044)	0 (0)	72,967 (24,332)
4. Water Supply	5,324 (0)	0 (0)	0 (0)	5,324 (0)
5. Contractor's Tax	25,741 (5,483)	59,303 (9,292)	28,456 (6,255)	113,500 (21,030)
Sub-total	540,560 (115,143)	1,245,359 (195,133)	597,580 (131,362)	2,383,499 (441,638)
II. Indirect Cost				
1. Land Acquisition	3,772 (833)	45,529 (3,780)	10,179 (2,585)	59,480 (7,198)
2. General Administration	16,217 (3,454)	37,361 (5,854)	17,927 (3,941)	71,505 (13,249)
3. Engineering Services	73,785 (11,514)	205,853 (19,513)	59,758 (13,136)	339,396 (44,164)
(1) F/S	4,414 (0)	27,106 (0)	0 (0)	31,520 (0)
(2) D/D	15,315 (0)	54,211 (0)	0 (0)	69,526 (0)
(3) C/S	54,056 (11,514)	124,536 (19,513)	59,758 (13,136)	238,350 (44,164)
4. Physical Contingency	87,450 (13,094)	267,696 (22,428)	68,544 (15,102)	423,691 (50,625)
Sub-total	181,224 (28,896)	556,438 (51,575)	156,409 (34,765)	894,071 (115,236)
Total (I & II)	721,784 (144,039)	1,801,797 (246,708)	753,989 (166,127)	3,277,570 (556,874)
III. Watershed Management				
1. Study (F/S,D/D)	5,615 (220)	20,062 (1,303)	9,470 (1,943)	35,147 (3,466)
2. General Administration	18,064 (710)	65,377 (4,278)	32,433 (6,649)	115,874 (11,637)
3. Engineering Measuring Cost	29,381 (1,240)	100,509 (5,090)	39,033 (7,993)	168,923 (14,323)
4. Vegetative Measuring Cost	68,458 (2,660)	248,495 (16,300)	124,629 (25,511)	441,582 (44,471)
Total (III)	121,518 (4,830)	434,443 (26,971)	205,565 (42,095)	761,526 (73,896)
IV. Cost for Review Work	2,948 (377)	4,124 (1,683)	2,249 (377)	9,320 (2,437)
V. Grand Total(I to IV)	846,250 (149,246)	2,240,364 (275,363)	961,803 (208,598)	4,048,417 (633,207)

Note: 1; Figures in the parentheses show the costs for the OECF Projects.

2; The total may not equal the sum of individual figures due to rounding.

表 9.2.2 SWIM 事業案件別事業費積算 (1/5)

(Unit: 1,000 Pesos)

:No.	Agency	No	:Cost for:		:Cost for :		Construction Cost				: Total : Project : Cost :	: Financial: O&M : Cost :
			: Review :	: for :	: Study of :	: Dam & App.:	: Irriga- : tion	: Mini-hyd: : Power	: Water : Supply	: Watershed: : Pro.Works:		
: 1	DPWH	1 :	323 :	0 :	0 :	33,125 :	2,219 :	4,937 :	0 :	0 :	40,605 :	264 :
: 2	DPWH	2 :	0 :	0 :	0 :	32,556 :	9,541 :	5,596 :	0 :	0 :	47,693 :	413 :
: 3	DPWH	3 :	175 :	1,205 :	150 :	15,524 :	0 :	0 :	7,264 :	3,010 :	27,329 :	190 :
: 4	DPWH	6 :	560 :	0 :	830 :	48,497 :	0 :	21,548 :	0 :	17,180 :	88,615 :	597 :
: 5	DPWH	7 :	965 :	0 :	500 :	41,399 :	5,547 :	13,221 :	0 :	10,300 :	71,932 :	517 :
: 6	DPWH	8 :	140 :	0 :	0 :	8,309 :	542 :	0 :	0 :	0 :	8,991 :	42 :
: 7	DPWH	9 :	377 :	0 :	0 :	36,969 :	9,984 :	0 :	0 :	0 :	47,330 :	332 :
: 8	DPWH	11 :	0 :	2,766 :	920 :	35,175 :	4,639 :	12,305 :	0 :	18,960 :	74,765 :	439 :
: 9	DPWH	13 :	0 :	0 :	0 :	18,815 :	4,659 :	0 :	0 :	0 :	23,474 :	160 :
: 10	DPWH	14 :	0 :	0 :	138 :	5,749 :	1,331 :	3,062 :	0 :	2,858 :	13,138 :	105 :
: 11	DPWH	15 :	0 :	0 :	220 :	38,299 :	11,094 :	0 :	0 :	4,610 :	54,223 :	358 :
: 12	DPWH	16 :	0 :	3,488 :	460 :	46,080 :	10,438 :	9,344 :	0 :	9,537 :	79,347 :	531 :
: 13	DPWH	17 :	0 :	1,042 :	0 :	8,619 :	4,570 :	0 :	0 :	0 :	14,232 :	110 :
: 14	DPWH	18 :	110 :	2,370 :	0 :	26,266 :	3,631 :	0 :	0 :	0 :	32,377 :	155 :
: 15	DPWH	19 :	0 :	592 :	110 :	4,948 :	2,670 :	0 :	0 :	2,264 :	10,584 :	64 :
: 16	DPWH	20 :	0 :	882 :	75 :	8,304 :	2,856 :	0 :	0 :	1,534 :	13,651 :	79 :
: 17	DPWH	21 :	0 :	872 :	0 :	7,698 :	3,429 :	0 :	0 :	0 :	11,998 :	87 :
: 18	DPWH	22 :	165 :	3,562 :	685 :	40,068 :	4,841 :	0 :	0 :	14,162 :	63,483 :	225 :
: 19	DPWH	25 :	0 :	1,136 :	325 :	11,927 :	2,420 :	0 :	0 :	6,711 :	22,520 :	84 :
: 20	DPWH	26 :	0 :	804 :	330 :	7,076 :	3,147 :	0 :	0 :	6,770 :	18,126 :	80 :
: 21	DPWH	27 :	0 :	862 :	535 :	9,103 :	1,815 :	0 :	0 :	11,057 :	23,372 :	64 :
: 22	DPWH	28 :	133 :	2,877 :	337 :	31,431 :	4,841 :	0 :	0 :	6,950 :	46,569 :	195 :
: 23	DPWH	33 :	0 :	892 :	0 :	8,231 :	2,775 :	0 :	0 :	0 :	11,897 :	86 :
: Total (DPWH):			2,948 :	23,350 :	5,615 :	524,167 :	96,988 :	70,014 :	7,264 :	115,903 :	846,250 :	5,175 :
: 1	NIA	4 :	546 :	0 :	630 :	46,198 :	15,736 :	6,968 :	0 :	11,760 :	81,838 :	608 :
: 2	NIA	6 :	270 :	0 :	0 :	22,244 :	6,656 :	6,357 :	0 :	0 :	35,528 :	328 :
: 3	NIA	7 :	0 :	0 :	673 :	22,508 :	7,766 :	3,542 :	0 :	13,908 :	48,396 :	301 :
: 4	NIA	9 :	1,764 :	0 :	600 :	49,407 :	60,366 :	0 :	0 :	12,399 :	124,535 :	1,345 :
: 5	NIA	11 :	368 :	0 :	0 :	40,606 :	5,547 :	0 :	0 :	0 :	46,521 :	260 :
: 6	NIA	12 :	0 :	0 :	390 :	32,795 :	9,984 :	0 :	0 :	8,096 :	51,266 :	314 :
: 7	NIA	14 :	0 :	0 :	200 :	26,005 :	5,103 :	0 :	0 :	4,180 :	35,488 :	196 :
: 8	NIA	15 :	499 :	0 :	0 :	41,235 :	12,053 :	9,293 :	0 :	0 :	63,080 :	565 :
: 9	NIA	20 :	0 :	3,535 :	640 :	35,503 :	10,408 :	0 :	0 :	13,290 :	63,376 :	302 :
: 10	NIA	21 :	0 :	1,886 :	485 :	21,991 :	2,420 :	0 :	0 :	10,010 :	36,792 :	117 :
: 11	NIA	22 :	111 :	2,394 :	528 :	27,028 :	3,389 :	0 :	0 :	10,914 :	44,364 :	153 :
: 12	NIA	23 :	47 :	1,025 :	400 :	11,641 :	1,452 :	0 :	0 :	8,180 :	22,746 :	66 :
: 13	NIA	25 :	0 :	2,387 :	470 :	19,824 :	10,650 :	0 :	0 :	9,700 :	43,031 :	255 :
: 14	NIA	26 :	112 :	2,409 :	150 :	29,197 :	1,452 :	0 :	0 :	3,070 :	36,390 :	127 :
: 15	NIA	27 :	0 :	1,463 :	460 :	17,312 :	2,420 :	0 :	0 :	9,450 :	31,106 :	99 :
: 16	NIA	29 :	0 :	2,186 :	0 :	21,857 :	6,051 :	0 :	0 :	0 :	30,094 :	181 :
: 17	NIA	31 :	15 :	332 :	60 :	3,264 :	968 :	0 :	0 :	1,203 :	5,843 :	28 :
: 18	NIA	32 :	53 :	1,146 :	60 :	12,710 :	1,815 :	0 :	0 :	1,280 :	17,064 :	76 :
: 19	NIA	47 :	0 :	24 :	0 :	267 :	121 :	0 :	0 :	0 :	411 :	3 :
: 20	NIA	48 :	0 :	34 :	0 :	357 :	121 :	0 :	0 :	0 :	512 :	3 :
: 21	NIA	49 :	0 :	1,750 :	550 :	19,104 :	5,567 :	0 :	0 :	11,310 :	38,281 :	155 :
: 22	NIA	53 :	0 :	451 :	75 :	4,827 :	1,815 :	0 :	0 :	1,540 :	8,707 :	45 :
: 23	NIA	55 :	31 :	669 :	0 :	7,115 :	1,331 :	0 :	0 :	0 :	9,146 :	48 :
: 24	NIA	56 :	16 :	336 :	0 :	3,764 :	484 :	0 :	0 :	0 :	4,600 :	22 :

表 9.2.2 SWIM 事業案件別事業費積算 (2/5)

(Unit: 1,000 Pesos)

No.	Agency No.	Review	Cost for : Works	Cost for : F/S&D/D	Cost for : Study of Watershed	Cost for : Dam & Structure	Construction Cost	Mini-hydr. Power	Water Supply	Watershed Pro. Works	Total Project Cost	Financial O&M Cost
25	NIA 57	0	1,162	200	11,129	4,841	0	0	4,170	21,502	119	
26	NIA 58	0	502	100	3,976	2,420	0	0	2,050	9,048	56	
27	NIA 59	0	651	0	5,886	2,905	0	0	0	9,442	70	
28	NIA 72	81	1,741	0	19,567	2,420	0	0	0	23,810	111	
29	NIA 97	0	1,036	0	10,474	2,905	0	0	0	14,414	86	
30	NIA 98	0	981	0	9,593	3,631	0	0	0	14,204	94	
31	NIA 99	0	2,656	580	26,660	9,682	0	0	13,190	52,768	253	
32	NIA 100	0	2,737	1,030	33,680	4,841	0	0	21,300	63,588	189	
33	NIA 101	0	1,890	200	19,390	6,051	0	0	4,040	31,571	168	
34	NIA 102	0	524	75	5,282	1,936	0	0	1,535	9,353	50	
35	NIA 103	0	2,637	940	28,860	4,841	0	0	19,490	56,768	184	
36	NIA 104	0	1,112	240	11,438	2,905	0	0	4,905	20,600	90	
37	NIA 106	0	942	130	10,053	2,420	0	0	2,680	16,225	76	
38	NIA 107	0	590	150	5,766	1,936	0	0	3,070	11,512	53	
39	NIA 108	0	2,293	0	26,309	6,051	0	0	0	34,653	186	
40	NIA 111	0	2,734	290	23,518	11,134	0	0	6,089	43,764	277	
41	NIA 112	0	2,424	0	21,678	9,682	0	0	0	33,784	243	
42	NIA 119	0	2,364	460	25,536	7,261	0	0	9,465	45,086	206	
43	NIA 120	0	967	150	9,947	2,420	0	0	3,070	16,555	77	
44	NIA 121	0	1,366	190	14,021	3,389	0	0	4,016	22,982	108	
45	NIA 122	57	1,238	70	14,865	726	0	0	1,405	18,362	65	
46	NIA 128	0	186	40	1,892	726	0	0	820	3,664	18	
47	NIA 130	0	1,172	380	11,814	3,147	0	0	7,795	24,308	96	
48	NIA 131	0	920	520	8,592	3,631	0	0	10,715	24,377	92	
49	NIA 132	0	530	170	4,523	2,663	0	0	3,480	11,365	61	
50	NIA 133	0	1,538	220	14,961	4,841	0	0	4,610	26,171	136	
51	NIA 136	0	1,513	280	15,382	4,841	0	0	5,750	27,766	135	
52	NIA 138	0	1,603	180	13,228	7,261	0	0	3,720	25,993	173	
53	NIA 139	0	773	400	6,997	3,147	0	0	8,180	19,497	78	
54	NIA 141	0	641	315	5,803	2,663	0	0	6,518	15,940	66	
55	NIA 147	0	4,514	1,050	49,185	9,198	0	0	21,699	85,646	328	
56	NIA 148	0	3,082	909	33,393	5,567	0	0	18,785	61,736	214	
57	NIA 149	0	4,537	1,450	47,246	10,408	0	0	30,044	93,685	346	
58	NIA 150	0	2,615	695	29,454	5,809	0	0	14,365	52,938	197	
59	NIA 152	0	1,261	0	12,146	4,357	0	0	0	17,764	117	
60	NIA 154	0	1,126	278	11,470	3,147	0	0	5,745	21,766	94	
61	NIA 157	0	3,303	575	36,030	6,051	0	0	11,877	57,836	231	
62	NIA 158	90	1,940	450	21,578	2,905	0	0	9,337	36,300	126	
63	NIA 163	65	1,397	285	15,707	1,936	0	0	5,890	25,280	89	
64	NIA 186	0	2,278	250	21,120	8,109	0	0	5,207	36,963	214	
65	NIA 187	0	2,727	439	28,986	6,293	0	0	9,079	47,524	209	
66	NIA 188	0	1,463	0	16,520	2,663	0	0	0	20,646	102	
67	NIA 190	0	3,890	0	41,856	8,351	0	0	0	54,097	289	
Total (NIA)		4,124	97,580	20,062	1,302,270	375,786	26,160	0	414,381	2,240,364	11,767	
1	BSWM 1	35	0	70	3,738	666	0	0	1,519	6,028	27	
2	BSWM 2	109	0	47	6,086	777	0	0	970	7,989	38	
3	BSWM 3	43	0	47	4,643	666	0	0	970	6,368	30	
4	BSWM 4	0	0	27	4,877	1,109	0	0	553	6,566	40	

表 9.2.2 S W I M 事業案件別事業費積算 (3/5)

(Unit: 1,000 Pesos)

No.	Agency	No	:Cost for: : Review : Works	Cost : for : F/S&D/D	:Cost for : :Study of : : Watershed:	:Dam & App.: :Structure	Construction Cost				: Total : Project : Cost	: Financial: : O&M : Cost
							:Irriga- :tion	:Mini-hyd: :Power	:Water :Supply	:Watershed: :Pro.Works:		
: 5	BSHM	5	: 57 :	0 :	175 :	5,006 :	2,219 :	0 :	0 :	3,617 :	11,074 :	61 :
: 6	BSHM	6	: 66 :	0 :	47 :	3,429 :	710 :	0 :	0 :	970 :	5,222 :	27 :
: 7	BSHM	7	: 42 :	0 :	95 :	4,415 :	888 :	0 :	0 :	1,950 :	7,390 :	34 :
: 8	BSHM	8	: 0 :	0 :	80 :	5,249 :	2,219 :	0 :	0 :	1,660 :	9,207 :	62 :
: 9	BSHM	9	: 0 :	0 :	60 :	2,325 :	1,664 :	0 :	0 :	1,260 :	5,309 :	40 :
: 10	BSHM	10	: 0 :	0 :	80 :	2,021 :	1,109 :	0 :	0 :	1,660 :	4,871 :	29 :
: 11	BSHM	11	: 40 :	0 :	40 :	3,955 :	1,109 :	0 :	0 :	837 :	5,981 :	36 :
: 12	BSHM	12	: 0 :	0 :	60 :	4,057 :	2,219 :	0 :	0 :	1,260 :	7,596 :	58 :
: 13	BSHM	13	: 36 :	0 :	27 :	4,113 :	444 :	0 :	0 :	553 :	5,172 :	24 :
: 14	BSHM	14	: 0 :	0 :	68 :	2,547 :	1,775 :	0 :	0 :	1,395 :	5,785 :	44 :
: 15	BSHM	15	: 52 :	0 :	47 :	5,412 :	1,109 :	0 :	0 :	970 :	7,590 :	42 :
: 16	BSHM	16	: 0 :	0 :	47 :	2,065 :	1,220 :	0 :	0 :	970 :	4,303 :	31 :
: 17	BSHM	17	: 0 :	0 :	40 :	3,606 :	1,109 :	0 :	0 :	837 :	5,592 :	35 :
: 18	BSHM	18	: 0 :	0 :	175 :	2,932 :	2,219 :	0 :	0 :	3,617 :	8,943 :	53 :
: 19	BSHM	19	: 0 :	0 :	54 :	2,348 :	1,553 :	0 :	0 :	1,116 :	5,071 :	39 :
: 20	BSHM	20	: 0 :	0 :	20 :	5,156 :	1,664 :	0 :	0 :	410 :	7,250 :	51 :
: 21	BSHM	21	: 32 :	0 :	27 :	3,397 :	666 :	0 :	0 :	558 :	4,680 :	26 :
: 22	BSHM	23	: 76 :	0 :	30 :	3,875 :	888 :	0 :	0 :	690 :	5,559 :	32 :
: 23	BSHM	24	: 121 :	0 :	70 :	6,430 :	1,109 :	0 :	0 :	1,519 :	9,249 :	46 :
: 24	BSHM	25	: 0 :	0 :	70 :	3,401 :	1,109 :	0 :	0 :	1,519 :	6,100 :	34 :
: 25	BSHM	26	: 26 :	0 :	7 :	2,680 :	555 :	0 :	0 :	145 :	3,412 :	21 :
: 26	BSHM	27	: 61 :	0 :	47 :	7,095 :	555 :	0 :	0 :	970 :	8,728 :	38 :
: 27	BSHM	28	: 36 :	0 :	54 :	3,197 :	1,331 :	0 :	0 :	1,116 :	5,735 :	38 :
: 28	BSHM	29	: 0 :	0 :	40 :	2,485 :	2,219 :	0 :	0 :	837 :	5,580 :	52 :
: 29	BSHM	30	: 35 :	0 :	60 :	2,218 :	2,219 :	0 :	0 :	1,260 :	5,792 :	51 :
: 30	BSHM	31	: 0 :	0 :	120 :	3,633 :	1,553 :	0 :	0 :	2,510 :	7,816 :	43 :
: 31	BSHM	32	: 0 :	0 :	20 :	2,262 :	666 :	0 :	0 :	410 :	3,358 :	21 :
: 32	BSHM	33	: 63 :	0 :	128 :	5,742 :	2,219 :	0 :	0 :	2,645 :	10,797 :	64 :
: 33	BSHM	34	: 52 :	0 :	377 :	5,069 :	1,442 :	0 :	0 :	7,790 :	14,730 :	47 :
: 34	BSHM	35	: 38 :	0 :	209 :	3,005 :	1,775 :	0 :	0 :	4,314 :	9,341 :	45 :
: 35	BSHM	36	: 0 :	0 :	95 :	1,768 :	444 :	0 :	0 :	1,950 :	4,257 :	15 :
: 36	BSHM	37	: 47 :	0 :	40 :	4,560 :	1,331 :	0 :	0 :	837 :	6,815 :	43 :
: 37	BSHM	38	: 0 :	0 :	33 :	2,086 :	2,663 :	0 :	0 :	687 :	5,469 :	59 :
: 38	BSHM	39	: 27 :	0 :	33 :	2,734 :	777 :	0 :	0 :	687 :	4,259 :	25 :
: 39	BSHM	40	: 50 :	0 :	54 :	4,077 :	2,219 :	0 :	0 :	1,116 :	7,516 :	58 :
: 40	BSHM	41	: 0 :	0 :	14 :	2,666 :	888 :	0 :	0 :	289 :	3,857 :	27 :
: 41	BSHM	42	: 0 :	0 :	175 :	4,623 :	1,109 :	0 :	0 :	3,618 :	9,525 :	39 :
: 42	BSHM	43	: 34 :	0 :	54 :	2,821 :	1,553 :	0 :	0 :	1,116 :	5,579 :	40 :
: 43	BSHM	44	: 87 :	0 :	27 :	4,345 :	1,109 :	0 :	0 :	553 :	6,122 :	38 :
: 44	BSHM	45	: 94 :	0 :	289 :	6,325 :	5,547 :	0 :	0 :	5,965 :	18,219 :	130 :
: 45	BSHM	46	: 0 :	0 :	33 :	1,969 :	888 :	0 :	0 :	687 :	3,576 :	24 :
: 46	BSHM	47	: 0 :	0 :	33 :	3,205 :	1,553 :	0 :	0 :	687 :	5,478 :	42 :
: 47	BSHM	48	: 0 :	0 :	80 :	3,094 :	2,219 :	0 :	0 :	1,660 :	7,053 :	54 :
: 48	BSHM	49	: 0 :	0 :	13 :	805 :	333 :	0 :	0 :	278 :	1,429 :	9 :
: 49	BSHM	50	: 0 :	0 :	40 :	2,111 :	444 :	0 :	0 :	835 :	3,430 :	16 :
: 50	BSHM	51	: 45 :	0 :	61 :	4,514 :	1,220 :	0 :	0 :	1,253 :	7,093 :	40 :
: 51	BSHM	52	: 0 :	0 :	47 :	7,489 :	1,109 :	0 :	0 :	972 :	9,617 :	49 :
: 52	BSHM	56	: 0 :	0 :	88 :	5,481 :	1,775 :	0 :	0 :	1,809 :	9,153 :	54 :
: 53	BSHM	57	: 0 :	0 :	61 :	2,712 :	954 :	0 :	0 :	1,253 :	4,979 :	28 :
: 54	BSHM	58	: 0 :	0 :	27 :	3,304 :	843 :	0 :	0 :	557 :	4,731 :	29 :

表 9.2.2 S W I M 事業案件別事業費積算 (4/5)

(Unit: 1,000 Pesos)

No.	Agency	No	:Cost for:		:Cost for :		Construction Cost				: Total	:Financial:	
			: Review	: for	:Study of	:Dam & App.	:Irriga-	:Mini-hyd:	Water	:Watershed:			Project
:	:	:	: Works	:F/S&D/D	:Watershed:	:Structure	:tion	:Power	: Supply	:Pro.Works:	Cost	: Cost	:
: 55	BSWM	59	: 0	: 0	: 65	: 5,575	: 888	: 0	: 0	: 1,352	: 7,880	: 38	
: 56	BSWM	60	: 55	: 0	: 54	: 4,777	: 2,219	: 0	: 0	: 1,113	: 8,219	: 60	
: 57	BSWM	61	: 0	: 0	: 54	: 3,457	: 2,219	: 0	: 0	: 1,113	: 6,843	: 55	
: 58	BSWM	62	: 34	: 0	: 148	: 2,306	: 2,219	: 0	: 0	: 3,063	: 7,769	: 50	
: 59	BSWM	63	: 0	: 0	: 54	: 2,347	: 2,219	: 0	: 0	: 1,113	: 5,733	: 51	
: 60	BSWM	64	: 0	: 0	: 47	: 3,504	: 2,219	: 0	: 0	: 972	: 6,742	: 56	
: 61	BSWM	65	: 0	: 0	: 61	: 3,003	: 1,109	: 0	: 0	: 1,264	: 5,438	: 33	
: 62	BSWM	66	: 0	: 0	: 54	: 2,438	: 2,219	: 0	: 0	: 1,113	: 5,824	: 51	
: 63	BSWM	67	: 0	: 0	: 27	: 3,803	: 1,109	: 0	: 0	: 557	: 5,496	: 36	
: 64	BSWM	68	: 0	: 0	: 54	: 4,562	: 1,109	: 0	: 0	: 1,113	: 6,839	: 38	
: 65	BSWM	69	: 34	: 0	: 27	: 3,160	: 1,109	: 0	: 0	: 557	: 4,888	: 33	
: 66	BSWM	70	: 0	: 0	: 40	: 4,469	: 2,219	: 0	: 0	: 835	: 7,563	: 59	
: 67	BSWM	71	: 65	: 0	: 160	: 5,953	: 2,219	: 0	: 0	: 3,309	: 11,706	: 65	
: 68	BSWM	72	: 0	: 0	: 40	: 2,518	: 1,553	: 0	: 0	: 835	: 4,946	: 39	
: 69	BSWM	73	: 0	: 0	: 34	: 4,754	: 1,775	: 0	: 0	: 696	: 7,259	: 52	
: 70	BSWM	74	: 0	: 0	: 485	: 5,459	: 8,875	: 0	: 0	: 10,021	: 24,840	: 189	
: 71	BSWM	75	: 0	: 0	: 229	: 4,138	: 1,775	: 0	: 0	: 4,732	: 10,875	: 49	
: 72	BSWM	76	: 93	: 0	: 61	: 10,507	: 1,109	: 0	: 0	: 1,253	: 13,022	: 61	
: 73	BSWM	77	: 0	: 0	: 20	: 3,826	: 1,109	: 0	: 0	: 417	: 5,372	: 36	
: 74	BSWM	78	: 0	: 0	: 20	: 3,737	: 1,664	: 0	: 0	: 417	: 5,838	: 46	
: 75	BSWM	79	: 0	: 0	: 13	: 2,813	: 998	: 0	: 0	: 278	: 4,102	: 30	
: 76	BSWM	80	: 52	: 0	: 91	: 5,462	: 1,109	: 0	: 0	: 1,874	: 8,587	: 42	
: 77	BSWM	82	: 37	: 0	: 27	: 2,892	: 1,775	: 0	: 0	: 557	: 5,288	: 45	
: 78	BSWM	83	: 40	: 0	: 34	: 2,769	: 2,219	: 0	: 0	: 696	: 5,757	: 53	
: 79	BSWM	84	: 0	: 0	: 34	: 2,716	: 1,109	: 0	: 0	: 696	: 4,555	: 31	
: 80	BSWM	85	: 39	: 0	: 54	: 2,733	: 2,219	: 0	: 0	: 1,113	: 6,157	: 52	
: 81	BSWM	86	: 0	: 0	: 20	: 3,458	: 555	: 0	: 0	: 417	: 4,449	: 24	
: 82	BSWM	87	: 37	: 0	: 47	: 3,525	: 1,109	: 0	: 0	: 973	: 5,691	: 35	
: 83	BSWM	88	: 24	: 0	: 27	: 2,493	: 555	: 0	: 0	: 557	: 3,656	: 20	
: 84	BSWM	89	: 24	: 0	: 47	: 2,447	: 555	: 0	: 0	: 973	: 4,046	: 20	
: 85	BSWM	90	: 0	: 0	: 13	: 2,851	: 1,109	: 0	: 0	: 278	: 4,251	: 32	
: 86	BSWM	91	: 0	: 0	: 40	: 2,265	: 1,109	: 0	: 0	: 835	: 4,250	: 30	
: 87	BSWM	92	: 33	: 0	: 40	: 3,269	: 888	: 0	: 0	: 835	: 5,065	: 29	
: 88	BSWM	93	: 0	: 0	: 61	: 4,026	: 2,219	: 0	: 0	: 1,253	: 7,558	: 58	
: 89	BSWM	94	: 0	: 0	: 13	: 2,175	: 1,109	: 0	: 0	: 278	: 3,576	: 29	
: 90	BSWM	95	: 0	: 0	: 34	: 4,294	: 1,109	: 0	: 0	: 696	: 6,133	: 37	
: 91	BSWM	96	: 0	: 0	: 20	: 2,877	: 777	: 0	: 0	: 417	: 4,091	: 26	
: 92	BSWM	97	: 0	: 0	: 40	: 3,268	: 666	: 0	: 0	: 835	: 4,809	: 25	
: 93	BSWM	98	: 0	: 0	: 114	: 3,802	: 2,441	: 0	: 0	: 2,365	: 8,722	: 61	
: 94	BSWM	99	: 0	: 0	: 13	: 3,249	: 777	: 0	: 0	: 278	: 4,317	: 27	
: 95	BSWM	100	: 0	: 0	: 168	: 2,951	: 2,219	: 0	: 0	: 3,479	: 8,817	: 54	
: 96	BSWM	101	: 0	: 0	: 88	: 5,232	: 1,109	: 0	: 0	: 1,812	: 8,240	: 41	
: 97	BSWM	102	: 0	: 0	: 67	: 1,976	: 2,219	: 0	: 0	: 1,394	: 5,656	: 50	
: 98	BSWM	103	: 0	: 0	: 34	: 1,998	: 2,219	: 0	: 0	: 696	: 4,946	: 50	
: 99	BSWM	108	: 37	: 0	: 40	: 4,135	: 555	: 0	: 0	: 835	: 5,602	: 26	
: 100	BSWM	109	: 0	: 0	: 34	: 4,163	: 2,219	: 0	: 0	: 696	: 7,110	: 58	
: 101	BSWM	110	: 0	: 0	: 20	: 4,340	: 1,109	: 0	: 0	: 416	: 5,885	: 38	
: 102	BSWM	111	: 43	: 0	: 47	: 2,592	: 2,773	: 0	: 0	: 974	: 6,429	: 63	
: 103	BSWM	112	: 0	: 0	: 34	: 2,821	: 1,287	: 0	: 0	: 696	: 4,837	: 35	
: 104	BSWM	113	: 0	: 0	: 14	: 2,308	: 555	: 0	: 0	: 280	: 3,156	: 19	

表 9.2.2 SWIM 事業案件別事業費積算 (5/5)

(Unit: 1,000 Pesos)

No.	Agency No	Review	Cost for Works	Cost for F/S&D/0	Cost for Study of Watershed	Construction Cost	Dam & App. Structure	Irriga- tion	Mini-hyd: Power	Water Supply	Watershed: Pro.Works	Total Project Cost	Financial: O&M Cost
:105	BSWM 114	: 0	: 0	: 34	: 1,739	: 1,109	: 0	: 0	: 696	: 3,578	: 28	:	
:106	BSWM 115	: 64	: 0	: 88	: 5,746	: 2,219	: 0	: 0	: 1,809	: 9,925	: 64	:	
:107	BSWM 117	: 0	: 0	: 135	: 3,135	: 2,219	: 0	: 0	: 2,784	: 8,273	: 54	:	
:108	BSWM 118	: 0	: 0	: 20	: 2,960	: 1,553	: 0	: 0	: 416	: 4,949	: 41	:	
:109	BSWM 119	: 0	: 0	: 40	: 3,088	: 1,331	: 0	: 0	: 835	: 5,294	: 37	:	
:110	BSWM 120	: 0	: 0	: 47	: 2,611	: 1,775	: 0	: 0	: 974	: 5,407	: 44	:	
:111	BSWM 121	: 0	: 0	: 34	: 3,622	: 1,331	: 0	: 0	: 696	: 5,683	: 39	:	
:112	BSWM 122	: 0	: 0	: 34	: 3,713	: 2,219	: 0	: 0	: 696	: 6,661	: 57	:	
:113	BSWM 123	: 0	: 0	: 14	: 2,635	: 2,219	: 0	: 0	: 280	: 5,147	: 52	:	
:114	BSWM 124	: 0	: 0	: 0	: 1,581	: 3,328	: 0	: 0	: 0	: 4,909	: 70	:	
:115	BSWM 125	: 0	: 0	: 47	: 2,762	: 2,330	: 0	: 0	: 974	: 6,113	: 55	:	
:116	BSWM 126	: 0	: 0	: 47	: 5,048	: 1,775	: 0	: 0	: 974	: 7,845	: 53	:	
:117	BSWM 127	: 0	: 0	: 20	: 1,614	: 3,106	: 0	: 0	: 416	: 5,156	: 65	:	
:118	BSWM 128	: 0	: 0	: 54	: 5,830	: 3,439	: 0	: 0	: 1,112	: 10,435	: 88	:	
:119	BSWM 129	: 0	: 0	: 108	: 3,973	: 3,772	: 0	: 0	: 2,227	: 10,080	: 87	:	
:120	BSWM 130	: 41	: 0	: 54	: 2,916	: 2,219	: 0	: 0	: 1,112	: 6,342	: 53	:	
:121	BSWM 131	: 0	: 0	: 54	: 1,909	: 4,438	: 0	: 0	: 1,112	: 7,513	: 92	:	
:122	BSWM 132	: 0	: 0	: 40	: 2,618	: 1,331	: 0	: 0	: 835	: 4,825	: 35	:	
:123	BSWM 133	: 0	: 0	: 141	: 2,775	: 4,438	: 0	: 0	: 2,922	: 10,277	: 95	:	
:124	BSWM 134	: 43	: 0	: 40	: 4,667	: 777	: 0	: 0	: 835	: 6,362	: 32	:	
:125	BSWM 135	: 0	: 0	: 195	: 5,090	: 2,995	: 0	: 0	: 4,036	: 12,316	: 77	:	
:126	BSWM 136	: 0	: 0	: 20	: 1,739	: 666	: 0	: 0	: 416	: 2,841	: 19	:	
:127	BSWM 137	: 0	: 0	: 168	: 3,533	: 888	: 0	: 0	: 3,479	: 8,067	: 30	:	
:128	BSWM 138	: 0	: 0	: 276	: 5,908	: 4,216	: 0	: 0	: 5,706	: 16,107	: 103	:	
:129	BSWM 139	: 0	: 0	: 101	: 4,215	: 3,328	: 0	: 0	: 2,088	: 9,732	: 79	:	
:130	BSWM 140	: 26	: 0	: 34	: 2,422	: 888	: 0	: 0	: 696	: 4,064	: 26	:	
:131	BSWM 141	: 0	: 0	: 189	: 4,694	: 1,775	: 0	: 0	: 3,897	: 10,555	: 52	:	
:132	BSWM 142	: 0	: 0	: 154	: 5,946	: 2,663	: 0	: 0	: 3,182	: 11,945	: 74	:	
:133	BSWM 143	: 0	: 0	: 34	: 5,214	: 1,775	: 0	: 0	: 696	: 7,719	: 54	:	
:134	BSWM 144	: 0	: 0	: 0	: 5,482	: 1,886	: 0	: 0	: 0	: 7,368	: 57	:	
:135	BSWM 145	: 0	: 0	: 67	: 5,058	: 5,547	: 0	: 0	: 1,394	: 12,066	: 125	:	
:136	BSWM 146	: 0	: 0	: 61	: 4,238	: 2,663	: 0	: 0	: 1,253	: 8,214	: 67	:	
:137	BSWM 147	: 0	: 0	: 54	: 3,027	: 2,219	: 0	: 0	: 1,112	: 6,413	: 54	:	
:138	BSWM 149	: 23	: 0	: 14	: 2,752	: 444	: 0	: 0	: 280	: 3,511	: 18	:	
:139	BSWM 150	: 0	: 0	: 67	: 3,528	: 3,883	: 0	: 0	: 1,394	: 8,872	: 87	:	
:140	BSWM 151	: 0	: 0	: 61	: 2,530	: 2,219	: 0	: 0	: 1,253	: 6,062	: 52	:	
: Total (BSWM): 2,249 : 0 : 9,470 : 513,676 : 240,313 : 0 : 0 : 196,095 : 961,803 : 6,528 :													
: Grand Total : 9,320 : 120,931 : 35,147 : 2,340,113 : 713,088 : 96,174 : 7,264 : 726,379 : 4,048,417 : 23,471 :													

Note: 1; The costs for contractors' tax, land acquisition, general administration, engineering services for construction supervision and physical contingency are included in construction cost for individual facilities.
 2; The total may not equal the sum of individual figures due to rounding.

表 9.4.1 SWIM 事業年度別總事業資金

SUMMARY (Total Project Cost)													
(Unit: Pesos 1,000)													
Item	Total		Total Cost	1st Five Year					2nd Five Year				
	1st Five Year	2nd Five Year		1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1. SWIM Fund													
-Dam & App.Str. (OECF Projects)	1223692 480818	2246470 0	3470162 480818	129390 86136	223328 90849	239669 95854	300367 101168	310938 106812	338631 0	400167 0	450100 0	484773 0	572799 0
-Watershed Pr. (OECF Projects)	421763 91681	696721 0	1118484 91681	42294 16424	72662 17323	93766 18277	98401 19290	114640 20367	115901 0	135230 0	140729 0	160316 0	144545 0
-F/S & D/D (OECF Projects)	188947 0	162523 0	351469 0	31273 0	30117 0	38531 0	29336 0	39469 0	32789 0	46359 0	34512 0	8664 0	0 0
Sub-total (OECF Projects)	1834402 572499	3105714 0	4940115 572499	202936 102560	326107 108172	391966 114131	428324 120458	485048 127178	507321 0	581956 0	645340 0	653752 0	717344 0
2. Specific Cost													
-Irrigation (OECF Projects)	479514 170684	541380 0	1020895 170684	55592 30577	88874 32250	103173 34027	109726 35913	122147 37917	90773 0	102314 0	103595 0	118404 0	126294 0
-Mini-hydro (OECF Projects)	39400 39400	107979 0	147379 39400	7058 7058	7445 7445	7855 7855	8290 8290	8753 8753	13411 0	16544 0	7592 0	31295 0	39038 0
-Water Supply (OECF Projects)	0 0	13197 0	13197 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	13197 0
-Review Works (OECF Projects)	10727 3023	500 0	11227 3023	2463 542	4243 571	2367 603	982 836	672 872	233 0	169 0	99 0	0 0	0 0
Sub-total (OECF Projects)	329641 213108	663056 0	1192697 213108	63113 38177	100561 40266	113397 42484	118999 44839	131571 47341	104417 0	119127 0	111263 0	149699 0	178328 0
TOTAL (OECF Projects)	2364042 785607	3768770 0	6132812 785607	268089 140737	426668 148438	503363 156615	547323 183297	616619 174519	611738 0	701083 0	756626 0	803431 0	895872 0

表 9.4.2 SWIM 事業年度別 DPWH 事業資金

SUMMARY (DPWH Portion)													
(Unit: Pesos 1,000)													
Item	Total		Total Cost	1st Five Year					2nd Five Year				
	1st Five Year	2nd Five Year		1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1. SWIM Fund													
-Dam & App.Str. (OECF Projects)	193971 133775	613233 0	807206 133775	23965 23965	31803 25276	38275 26669	42981 28147	56947 29717	73346 0	97484 0	131328 0	138587 0	172290 0
-Watershed Pr. (OECF Projects)	37073 5992	151384 0	188457 5992	1440 1074	1261 1132	10321 1195	14318 1261	9732 1331	24201 0	31862 0	25644 0	40499 0	29178 0
-F/S & D/D (OECF Projects)	118211 0	97282 0	215493 0	20270 0	20903 0	23495 0	23993 0	29550 0	34647 0	33508 0	27056 0	2071 0	0 0
Sub-total (OECF Projects)	349256 139767	861900 0	1211136 139767	45673 25038	53967 26409	72091 27863	81293 29408	96229 31049	132394 0	162854 0	184028 0	181157 0	201468 0
2. Specific Cost													
-Irrigation (OECF Projects)	62092 37988	76599 0	138692 37988	6805 6805	9991 7178	12736 7573	15136 7993	19424 6439	15860 0	18207 0	21461 0	10700 0	10372 0
-Mini-hydro (OECF Projects)	6943 6943	107979 0	114922 6943	1244 1244	1312 1312	1384 1384	1461 1461	1542 1542	13411 0	16644 0	7592 0	31295 0	39038 0
-Water Supply (OECF Projects)	0 0	13197 0	13197 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	13197 0
-Review Works (OECF Projects)	3663 468	0 0	3663 468	1159 84	1220 88	882 93	98 98	104 104	0 0	0 0	0 0	0 0	0 0
Sub-total (OECF Projects)	72499 45399	197774 0	270274 45399	9208 8133	12523 8578	15003 9051	14695 9352	21070 10083	29271 0	34851 0	29052 0	41995 0	62606 0
TOTAL (OECF Projects)	421755 183166	1059675 0	1481430 183166	54883 33171	65490 34987	87094 36914	95989 38960	117299 41134	161664 0	197705 0	213080 0	223151 0	264074 0

Note: The total may not equal the sum of individual figures due to rounding.

表 9.4.3 SWIM事業年度別NIA事業資金

(Unit: Pesos 1,000)

SUMMARY(NIA Portion)													
Item	Total		Total Cost	1st Five Year					2nd Five Year				
	1st Five Years	2nd Five Year		1993	1992	1993	1994	1995	1996	1997	1998	1999	2000
1. SWIM Fund													
-Dam & App.Str. (OECF Projects)	682951 214377	1243164 0	1926114 214377	53521 38404	129474 40306	131253 42737	182667 43108	166034 47823	206798 0	240698 0	247520 0	239834 0	266513 0
-Watershed Pr. (OECF Projects)	216703 33462	430496 0	643199 33462	12566 5995	40904 6323	53718 6671	44930 7041	64376 7434	71657 0	79504 0	87539 0	98606 0	93191 0
-F/S & D/D (OECF Projects)	70735 0	65241 0	135976 0	11003 0	9214 0	15036 0	5562 0	29920 0	18142 0	13051 0	27456 0	6593 0	0 0
Sub-total (OECF Projects)	970389 247839	1738901 0	2709290 247839	77091 44399	179591 46829	220010 49408	233167 52147	260329 55056	296398 0	333253 0	362515 0	364832 0	381704 0
2. Specific Cost													
-Irrigation (OECF Projects)	225583 59252	326504 0	552087 59252	15053 10615	39637 11196	51294 11812	62373 12467	57025 13163	49548 0	53829 0	51250 0	76311 0	95366 0
-Mini-hydro (OECF Projects)	32457 32457	0 0	32457 32457	5814 5814	6133 6133	6470 6470	6829 6829	7210 7210	0 0	0 0	0 0	0 0	0 0
-Water Supply (OECF Projects)	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
-Review Works (OECF Projects)	4952 2089	0 0	4952 2088	739 374	2462 395	848 416	439 439	464 464	0 0	0 0	0 0	0 0	0 0
Sub-total (OECF Projects)	262991 93798	326504 0	589495 93798	21606 16803	48231 17723	58613 18699	69842 19736	64699 20837	49548 0	53829 0	51250 0	76311 0	95366 0
TOTAL (OECF Projects)	1253380 341637	2065405 0	3298786 341637	98697 61202	227823 64551	278623 68107	303009 71883	325228 75893	346145 0	387082 0	413764 0	441343 0	477071 0

表 9.4.4 SWIM事業年度別BSWM事業資金

(Unit: Pesos 1,000)

SUMMARY(BSWM Portion)													
Item	Total		Total Cost	1st Five Year					2nd Five Year				
	1st Five Years	2nd Five Year		1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1. SWIM Fund													
-Dam & App.Str. (OECF Projects)	346770 132667	390071 0	736842 132667	51903 23766	82032 25067	70139 26448	74719 27914	87938 29471	38287 0	61983 0	71251 0	86332 0	111994 0
-Watershed Pr. (OECF Projects)	167987 52226	114841 0	282827 52226	26287 9356	30496 9868	29726 10412	39145 10989	40332 11602	20042 0	23855 0	27546 0	21211 0	22176 0
-F/S & D/D (OECF Projects)	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
Sub-total (OECF Projects)	514757 184893	504912 0	1019669 184893	80190 33122	92548 34935	99865 36839	113864 38903	128290 41073	78330 0	85850 0	98798 0	107763 0	134172 0
2. Specific Cost													
-Irrigation (OECF Projects)	191839 73444	136277 0	330116 73444	33733 13157	39246 13877	39144 14661	34017 15453	45699 16315	25363 0	30278 0	30884 0	31193 0	20556 0
-Mini-hydro (OECF Projects)	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
-Water Supply (OECF Projects)	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0	0 0
-Review Works (OECF Projects)	2311 467	300 0	2812 467	563 84	561 86	637 93	445 98	104 104	233 0	169 0	99 0	0 0	0 0
Sub-total (OECF Projects)	194150 73911	136777 0	332928 73911	34299 13241	39807 13965	39781 14735	34461 15351	45802 16419	25398 0	30447 0	30983 0	31193 0	20556 0
TOTAL (OECF Projects)	708907 258803	643690 0	1352597 258803	114489 46363	132355 48900	139646 51594	148325 54454	174092 57492	103928 0	116296 0	129781 0	138957 0	154728 0

Note: The total may not equal the sum of individual figures due to rounding.

表 9.4.5 SWIM 事業年度別資金計画 (1/6) - DPWH 事業案件 -

DISBURSEMENT SCHEDULE OF PROJECT COST OF SWIM PROJECTS

Task No.	Agency/No. of Div.	Name of Project	Province	Type	D/P	Pr. Mark	Const. Category	Study	1991		1992		1993		1994		1995		1996		1997		1998		1999		2000					
									1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd
A Group																																
(1) Division																																
1	DPWH	1	PANGASINAN	1	251	581	180	10940	0	0	0	11798	231	501	672	180	7662	7892	3284	3284	0	0	0	0	0	0	0	0	0	0		
2	DPWH	19	2	PANGASINAN	1	197	295	180	7430	110	2784	0	0	10284	0	0	207	207	295	180	875	9702	0	0	0	0	0	0	0	0		
3	DPWH	26	2	ISABELA	1	268	226	126	10990	330	4370	0	0	18128	0	0	336	12627	13138	14886	0	0	0	0	0	0	0	0	0	0		
4	DPWH	27	2	ISABELA	1	237	575	90	10828	535	11857	0	0	23372	0	0	622	575	1397	90	15319	15409	6665	6585	0	0	0	0	0			
5	DPWH	29	1	PANGASINAN	1	274	569	90	11078	75	1534	0	0	13641	0	0	588	90	678	8023	3781	12694	0	0	0	0	0	0	0			
6	DPWH	37	1	PANGASINAN	1	347	695	108	12082	0	0	14232	0	0	347	347	695	108	883	13882	13882	0	0	0	0	0	0	0	0	0		
BUT Projects																																
7	DPWH	2	04	BAJINGORAYAN	1	0	512	47181	0	0	61	67603	4769	4769	4769	4769	4769	4769	4769	4769	4769	4769	4769	4769	4769	4769	4769	4769	4769	4769		
8	DPWH	15	11	WORTH COLEGIO	1	0	297	49066	230	4610	0	54223	5422	5422	5422	5422	5422	5422	5422	5422	5422	5422	5422	5422	5422	5422	5422	5422	5422	5422		
9	DPWH	3	4	REJAL	1	0	100	46848	0	0	377	47320	4733	4733	4733	4733	4733	4733	4733	4733	4733	4733	4733	4733	4733	4733	4733	4733	4733	4733		
C Group																																
(1) Division																																
10	DPWH	13	8	IBATHIN SARAY	1	0	330	23144	0	0	0	23476	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	DPWH	33	11	ORANG DEL MURTE	1	237	595	323	10682	0	0	0	11697	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	DPWH	14	12	ALABO DEL SUR	1	0	198	9944	138	2828	0	13128	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	DPWH	25	2	IBATHIN VIGAYA	1	378	757	90	14268	378	6711	0	0	27200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	DPWH	11	5	PANGASINAN	1	0	2766	35	57685	320	18960	0	0	26265	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	DPWH	16	12	IBATHIN COLEGIO	1	0	3480	173	65690	460	9327	0	0	79387	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
(2) Division																																
16	DPWH	28	4	SUR. RINCORO	1	953	1918	146	36128	137	6568	133	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	DPWH	18	3	PANGASINAN	1	790	1580	144	29753	0	0	110	23237	110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	DPWH	22	6	IBATHIN	1	1182	2375	180	44770	685	14162	148	63483	166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	DPWH	6	4	IBATHIN	1	0	0	495	99540	620	12180	620	88215	166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	DPWH	7	4	IBATHIN	1	0	0	165	68882	500	10308	846	71932	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	DPWH	8	4	IBATHIN	1	0	0	132	8818	0	0	146	18801	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	DPWH	3	3	IBATHIN	1	0	1205	86	22102	150	3018	175	27229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	DPWH	1	3	IBATHIN	1	0	0	116	40196	0	0	8	323	46605	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total																																
: 2597 18653 4300 69414 5615 115983 2948 848250 15623 16663 32786 15606 22070 28626 34667 18719 51326 20999 20447 56441 44396 24013 68449 11337 63091 34429 58719 55210 111908 64772 49786 114018 51789 78112 178991 87887 97550 145387																																

Note: The total may not equal the sum of individual figures due to rounding.

表 9.4.4.5 S W I M 事業年度別資金計画 (4/6) - BSWM事業案件 No.1 -

DISBURSEMENT SCHEDULE OF PROJECT COST OF SWM PROJECTS

Item No.	Name	Province	Type	Unit	Quantity	Unit Price	1991		1992		1993		1994		1995		1996		1997		1998		1999		Total
							1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd	1st	2nd			
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23	23
24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34
35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35	35
36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36	36
37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37	37
38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39
40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41
42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44	44

Note: The total may not equal the sum of individual figures due to rounding.

表 9.5.1 行政区别 SWIM 事业资金

SUMMARY(TOTAL)												
Region	Agency	Total Cost	1st Five Year					2nd Five Year				
			1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
1	DPWH	123446	982	8150	4898	11182	25686	790	1724	23803	6066	40166
1	NIA	330805	1121	3605	30082	39667	2186	16004	19976	82310	58665	27168
1	BSWM	158894	25580	6901	23616	1274	1274	10435	25007	7414	23992	33401
SUB-TOTAL(1)		613145	27683	18656	58596	52123	29145	27229	46707	113527	88723	150756
2	DPWH	64018	598	662	18264	15409	8026	10574	10484	0	0	0
2	NIA	0	0	0	0	0	0	0	0	0	0	0
2	BSWM	193454	1199	38480	10240	24779	44796	16003	23224	20820	7938	5975
SUB-TOTAL(2)		257472	1797	39142	28504	40189	52822	26578	33709	20820	7938	5975
CAR	DPWH	47693	9539	9539	9539	9539	9539	0	0	0	0	0
CAR	NIA	0	0	0	0	0	0	0	0	0	0	0
CAR	BSWM	17875	36	26	61	0	0	0	0	0	80	17672
SUB-TOTAL(CAR)		65568	9575	9564	9600	9539	9539	0	0	0	80	17672
3	DPWH	27329	0	0	175	0	0	0	0	0	1442	25712
3	NIA	101649	2300	25996	10618	2686	28248	15651	2452	669	6262	6788
3	BSWM	144000	36034	10500	12797	41319	16018	0	0	119	14440	12773
SUB-TOTAL(3)		272977	38334	36496	23590	44004	44264	15651	2452	788	22143	45254
4	DPWH	263437	10159	10132	9606	9466	9466	3214	15221	29325	87059	79489
4	NIA	105647	16368	16368	16448	16368	16368	0	0	1741	11055	10933
4	BSWM	23901	3612	3612	3612	3612	3612	4109	1730	0	0	0
SUB-TOTAL(4)		392985	30139	30411	29667	29446	29446	7323	16951	31067	98114	90421
5	DPWH	74765	0	0	0	0	3686	35557	35522	0	0	0
5	NIA	453345	20407	36389	52294	91501	77613	75302	47245	52593	0	0
5	BSWM	26207	3440	3440	3440	3440	3440	7679	1325	0	0	0
SUB-TOTAL(5)		554317	23848	39879	55735	94941	84739	118539	84092	52593	0	0
6	DPWH	63483	165	0	0	0	0	0	4247	23736	35334	0
6	NIA	0	0	0	0	0	0	0	0	0	0	0
6	BSWM	30094	2431	2431	6007	2431	2431	0	115	10514	11731	0
SUB-TOTAL(6)		101577	2596	2431	6007	2431	2431	0	4363	34250	47066	0
7	DPWH	0	0	0	0	0	0	0	0	0	0	0
7	NIA	991120	36000	99395	103240	69311	95918	88204	106746	43645	180933	167728
7	BSWM	55731	2608	17301	7417	8741	2608	8817	0	5804	2436	0
SUB-TOTAL(7)		1046852	30608	116696	110657	78052	98526	97021	106746	49449	183369	167728
8	DPWH	23474	0	0	0	0	330	16201	6943	0	0	0
8	NIA	194718	0	0	0	0	3058	42671	75322	73667	0	0
8	BSWM	46524	4146	4146	4247	4146	4146	5016	2094	3156	73	15353
SUB-TOTAL(8)		264716	4146	4146	4247	4146	7534	63888	84360	76823	73	15353
9	DPWH	0	0	0	0	0	0	0	0	0	0	0
9	NIA	63080	12616	12616	12616	12616	12616	0	0	0	0	0
9	BSWM	41414	2736	2736	2736	2736	2736	5147	5294	10632	6661	0
SUB-TOTAL(9)		104494	15352	15352	15352	15352	15352	5147	5294	10632	6661	0
10	DPWH	0	0	0	0	0	0	0	0	0	0	0
10	NIA	0	0	0	0	0	0	0	0	0	0	0
10	BSWM	73495	3558	8714	8467	3892	20001	0	4825	13302	10735	0
SUB-TOTAL(10)		73495	3558	8714	8467	3892	20001	0	4825	13302	10735	0
11	DPWH	11897	0	0	0	0	892	11005	0	0	0	0
11	NIA	0	0	0	0	0	0	0	0	0	0	0
11	BSWM	81989	7793	7793	19205	12608	11737	8414	3531	8105	2803	0
SUB-TOTAL(11)		93886	7793	7793	19205	12608	12629	19419	3531	8105	2803	0
12	DPWH	146708	10845	10845	10845	10845	10845	17086	37786	37613	0	0
12	NIA	0	0	0	0	0	0	0	0	0	0	0
12	BSWM	60225	9848	6838	11072	4659	13532	5788	8488	0	0	0
SUB-TOTAL(12)		206933	20693	17683	21915	15504	24376	22874	46274	37613	0	0
TOTAL		4040417	224121	346915	391545	402227	430805	403667	439303	448970	467705	493158

Note: The total may not equal the sum of individual figures due to rounding.

表 9.6.1 受益者の支払能力 (1/4)

No.	AGENCY Name No.	PROJECT NAME	INCREASE OF ANNUAL INCOME (Pesos) (A)	ANNUAL OSM COST (IRRIG) (Pesos) (B)	ANNUAL OSM COST (DAM) (Pesos) (C)	AMORTIZA- TION (IRRIG) (Pesos) (D)	INCOME/ EXPENCE RATIO (B+C+D)/A	DIFFERENCE INCOME EXPENCE A-(B+C+D)
1	DPWH 1	SAYTAN DAM & RESERVIOR SWIP	780,000	425,000	126,460	61,200	0.79	167,340
2	DPWH 2	BOLD DAM & RESERVIOR SWIP	6,015,750	182,750	122,760	263,160	0.09	5,447,080
3	DPWH 3	SACRIFICE VALLEY DAM	-	-	56,570	-	-	-
4	DPWH 6	TULARIQUIN DAM & RESERVOIR	-	-	183,895	-	-	-
5	DPWH 7	BURDEOS RIVER SWIP	1,218,750	106,250	157,965	153,000	0.34	801,535
6	DPWH 8	SAN JOSE DAM	280,800	10,375	31,325	14,940	0.20	224,160
7	DPWH 9	CUBACUB DAM & RESERVOIR SWIP	4,826,250	191,230	141,215	275,400	0.13	4,218,385
8	DPWH 11	DEBESMAC DAM & RESERVOIR SWIP	2,925,000	85,000	128,770	122,400	0.11	2,588,830
9	DPWH 13	SAN JUAN DAM	3,012,750	89,250	70,815	128,520	0.10	2,724,165
10	DPWH 14	GUINEA DAM & RESERVOIR SWIP	877,500	25,500	21,265	36,720	0.10	794,015
11	DPWH 15	MAGPET DAM & RESERVOIR SWIP	7,312,500	212,500	145,585	306,000	0.09	6,648,415
12	DPWH 16	BARAYAL DAM & RESERVOIR SWIP	5,411,250	191,230	168,225	275,400	0.12	4,776,375
13	DPWH 17	ACOP & RESERVOIR SWIP	2,574,000	80,250	29,890	115,560	0.09	2,348,300
14	DPWH 18	CALITLITAN DAM & RESERVOIR	2,505,750	63,750	91,735	91,800	0.10	2,258,465
15	DPWH 19	KITA-KITA DAM & RESERVOIR	2,223,000	46,875	16,745	67,500	0.06	2,091,880
16	DPWH 20	SALVACION DAM & RESERVOIR SWIP	1,662,375	50,150	28,845	72,216	0.09	1,511,164
17	DPWH 21	SAN ANGEL DAM & RESERVOIR	2,262,000	60,200	26,400	86,688	0.08	2,088,712
18	DPWH 22	LIGTOS SWIP	3,198,000	85,000	118,260	122,400	0.10	2,872,340
19	DPWH 25	ABIAN SWIP	1,579,500	42,500	41,570	61,200	0.09	1,434,230
20	DPWH 26	CAITERAGAN SWIP	2,174,250	55,250	24,405	79,560	0.07	2,015,035
21	DPWH 27	MALALINTA SWIP	1,311,375	31,875	31,650	45,900	0.08	1,201,950
22	DPWH 28	CALUBAYAN SWIP	3,237,000	85,000	109,870	122,400	0.10	2,919,730
23	DPWH 33	LIBASAN SWIP	1,524,900	57,800	27,770	83,232	0.11	1,356,098
TOTAL (DPWH)			56,912,700	2,177,775	1,901,990	2,585,196	0.12	50,247,739
1	NIA 4	PAREAGOJA SWIP (SCHEME-I)	4,504,500	301,425	172,810	434,052	0.20	3,596,213
2	NIA 6	POTOT SWIP (SCHEME-I)	2,847,000	127,500	78,895	183,600	0.14	2,457,005
3	NIA 7	CARAMOAN SWIP	4,762,875	148,750	84,330	214,200	0.09	4,315,595
4	NIA 9	NASIG-ID SWIP	7,985,250	1,156,300	188,645	1,665,072	0.38	4,975,233
5	NIA 11	TUGAS SWIP	3,363,750	106,250	153,980	153,000	0.12	2,950,520
6	NIA 12	ILAYA SWIP	7,868,250	191,250	122,540	275,400	0.07	7,279,060
7	NIA 14	SAGDURON SWIP (SCHEME-I)	3,656,250	97,750	98,360	140,760	0.09	3,319,380
8	NIA 15	BUCACAO SWIP	5,079,750	230,875	156,010	332,460	0.14	4,360,405
9	NIA 20	MALYO SWIP	6,425,250	182,750	119,315	263,160	0.09	5,860,025
10	NIA 21	MAGSIPING SWIP	1,813,500	42,500	74,635	61,200	0.10	1,635,165
11	NIA 22	SAN FELIPE SWIP	2,515,500	59,500	93,675	85,680	0.09	2,276,645
12	NIA 23	MACABATO SWIP	1,033,500	25,500	40,085	36,720	0.10	931,195
13	NIA 25	MASIDEM SWIP	5,011,500	187,000	67,835	269,280	0.10	4,487,385
14	NIA 26	OBOY-OBOY SWIP	955,500	25,500	101,105	36,720	0.17	792,175
15	NIA 27	VEGA SWIP	1,618,500	42,500	56,005	61,200	0.10	1,458,795
16	NIA 29	ALIBRENG SWIP	3,266,250	106,250	75,130	153,000	0.10	2,931,870
17	NIA 31	DIGAP SWIP	321,750	17,000	11,235	24,480	0.16	269,035
18	NIA 32	DIKET SWIP	560,625	31,875	44,140	45,900	0.22	438,710
19	NIA 47	MAYAMOT CIP	63,375	2,125	620	3,060	0.09	57,570
20	NIA 48	SAN FELIPE CIS	63,375	2,125	1,065	3,060	0.10	57,125
21	NIA 49	RAYOG CIS	4,065,750	97,750	57,610	140,760	0.07	3,769,630
22	NIA 53	MANTEDTED CIP	940,875	31,875	13,490	45,900	0.10	849,610
23	NIA 55	DALAYAP SWIP	287,625	23,375	24,820	33,660	0.28	205,770
24	NIA 56	BLISS II SWIP	224,250	8,500	13,110	12,240	0.15	190,400
25	NIA 57	BIGBIGA CIS	1,150,500	85,000	34,215	122,400	0.21	908,885
26	NIA 58	TANGCARANG CIP	1,033,500	42,500	13,625	61,200	0.11	916,175
27	NIA 59	LAWACAYLAG CIP	1,209,000	51,000	18,500	73,440	0.12	1,066,060
28	NIA 72	MATIKIW SWIP	858,000	42,500	68,285	61,200	0.20	686,015
29	NIA 97	DOMROG SWIP	1,833,000	51,000	35,470	73,440	0.09	1,673,090
30	NIA 98	BATONGAN CIP	2,271,750	63,750	30,505	91,800	0.08	2,085,695
31	NIA 99	JAMORON CIP	7,176,000	170,000	83,105	244,800	0.07	6,678,095
32	NIA 100	CABANGCALAN CIP	3,510,000	85,000	103,690	122,400	0.09	3,198,910
33	NIA 101	POSTAGON SWIP	4,163,250	106,250	62,075	153,000	0.08	3,841,925
34	NIA 102	PILI SWIMP	1,443,000	34,000	16,300	48,960	0.07	1,343,740
35	NIA 103	BITO SWIMP	3,471,000	85,000	99,250	122,400	0.09	3,164,350
36	NIA 104	RIZAL SWIMP	1,716,000	51,000	38,840	73,440	0.10	1,552,720
37	NIA 106	BONTOLAN SWIMP	1,306,500	42,500	33,020	61,200	0.10	1,169,780
38	NIA 107	BORACAN SWIMP	1,209,000	34,000	19,200	48,960	0.08	1,106,840
39	NIA 108	PINANGKOGAN SWIMP	3,890,250	106,250	79,865	153,000	0.09	3,551,135
40	NIA 111	IBINGAN SWIP	5,928,000	195,000	81,425	281,520	0.09	5,369,555
41	NIA 112	BAGASICO SWIP	5,460,000	170,000	72,870	244,800	0.09	4,972,330
42	NIA 119	BONOT-BONOT SWIP	5,440,500	127,500	78,720	183,600	0.07	5,050,680

表 9.6.1 受益者の支払能力(2/4)

No.	AGENCY	PROJECT NAME	INCREASE OF ANNUAL INCOME (Pesos) (A)	ANNUAL O&M COST (IRRIG) (Pesos) (B)	ANNUAL O&M COST (DAM) (Pesos) (C)	AMORTIZATION (IRRIG) (Pesos) (D)	INCOME/EXPENCE RATIO (B+C+D)/A	DIFFERENCE INCOME EXPENCE A-(B+C+D)
43	NIA 120	CALUNASAN SWIP	1,569,750	42,500	34,135	61,200	0.09	1,431,915
44	NIA 121	MANDAIG SWIP	2,125,500	59,500	48,340	85,680	0.09	1,931,980
45	NIA 122	ABETILAN SWIP	516,750	12,750	52,030	18,360	0.16	433,610
46	NIA 128	LINGSODA-AN SWIP	477,750	12,750	5,670	18,360	0.08	440,970
47	NIA 130	CATUNGAN SWIP	2,174,250	55,250	40,640	79,560	0.08	1,998,800
48	NIA 131	LAPACAN SWIP	2,544,750	63,750	27,820	91,800	0.07	2,361,380
49	NIA 132	TAYPAY SWIP	1,842,750	46,750	14,015	67,320	0.07	1,714,665
50	NIA 133	ABACA SWIP	3,627,000	85,000	50,825	122,400	0.07	3,368,775
51	NIA 136	ONDOL SWIP	3,627,000	85,000	49,695	122,400	0.07	3,369,905
52	NIA 138	SAN ISIDRO BANLASAN SWIP	5,401,500	127,500	45,190	183,600	0.07	5,045,210
53	NIA 139	BANLASAN SWIP	1,979,250	55,250	23,045	79,560	0.08	1,821,395
54	NIA 141	BIABAS SWIP	1,959,750	46,750	18,925	67,320	0.07	1,826,755
55	NIA 147	KANASUHAN CIP	6,259,500	161,500	166,720	232,560	0.09	5,698,720
56	NIA 148	LUYANG CIP	4,026,750	97,750	116,360	140,760	0.09	3,671,880
57	NIA 149	DANAO CIP	7,575,750	182,750	163,480	263,160	0.08	6,966,360
58	NIA 150	TUNGKOD CIP	4,134,000	102,000	94,900	146,880	0.08	3,790,220
59	NIA 152	MAAYOG-TUBIG CIP	3,217,500	76,500	40,295	110,160	0.07	2,990,545
60	NIA 154	MASAPLOD CIP	2,369,250	55,250	38,590	79,560	0.07	2,195,850
61	NIA 157	NAGA-MANTUYOP CIP	4,436,250	106,250	124,395	153,000	0.09	4,052,605
62	NIA 158	SAN ANTONIO CIP	1,844,700	51,000	75,335	73,440	0.11	1,644,925
63	NIA 163	TIGABAO CIP	1,443,000	34,000	54,805	48,960	0.10	1,305,235
64	NIA 186	MAHAYAHAY SWIP	5,866,575	142,375	71,955	205,020	0.07	5,447,225
65	NIA 187	BOGO-DONGAN SWIP	4,102,800	110,500	98,125	159,120	0.09	3,735,055
66	NIA 188	LAN-AGAN SWIP	1,784,250	46,750	55,170	67,320	0.09	1,615,010
67	NIA 190	KAMANSI-RIZAL SWIP	5,737,875	146,625	142,200	211,140	0.09	5,237,910
TOTAL (NIA)			202,948,200	6,794,975	4,471,065	9,784,764	0.10	181,897,396
1	BSWM 1	SUCSUQUEN SWIP	276,900	12,750	14,055	18,360	0.16	231,735
2	BSWM 2	OLO-OLO I SWIP	431,925	14,875	23,075	21,420	0.14	372,555
3	BSWM 3	OLO-OLO II SWIP	415,350	12,750	17,710	18,360	0.12	366,530
4	BSWM 4	BALINGCAN SWIP	536,250	21,250	18,510	30,600	0.13	465,890
5	BSWM 5	SAN CRISTOBAL SWIP	1,140,750	42,500	18,550	61,200	0.11	1,018,500
6	BSWM 6	SAN AGUSTIN SWIP	331,500	13,600	12,955	19,584	0.14	285,361
7	BSWM 7	BINGAO II SWIP	507,000	17,000	16,800	24,480	0.11	448,720
8	BSWM 8	ODA SWIP	1,365,000	42,500	19,665	61,200	0.09	1,241,635
9	BSWM 9	PUGARO SWIP	628,875	31,875	8,150	45,900	0.14	542,950
10	BSWM 10	PAMARANUM SWIP	438,750	21,250	7,625	30,600	0.14	379,275
11	BSWM 11	CAPARISPISAN SWIP	633,750	21,250	14,935	30,600	0.11	566,965
12	BSWM 12	PATONG SWIP	655,200	42,500	15,315	61,200	0.18	536,185
13	BSWM 13	SAMAC SWIP	157,950	8,500	15,540	12,240	0.23	121,670
14	BSWM 14	MABINI SWIP	752,700	34,000	9,610	48,960	0.12	660,130
15	BSWM 15	SAN GONZALO SWIP	682,500	21,250	20,605	30,600	0.11	610,045
16	BSWM 16	CAMAGSINGALAN SWIP	628,875	23,375	7,765	33,660	0.10	564,075
17	BSWM 17	PATAR SWIP	867,750	21,250	13,570	30,600	0.08	802,330
18	BSWM 18	MALPIN SWIP	867,750	42,500	10,850	61,200	0.13	753,200
19	BSWM 19	VIGA SWIP	955,500	29,750	8,755	42,840	0.09	874,155
20	BSWM 20	CABUCSAN	1,048,125	31,875	19,145	45,900	0.09	951,205
21	BSWM 21	MAGNANG SWIP	267,930	12,750	12,765	18,360	0.16	224,055
22	BSWM 23	DAQIQUAG II SWIP	236,145	17,000	14,750	24,480	0.24	179,915
23	BSWM 24	SAN ANDRES SWIP	372,840	21,250	19,485	30,600	0.19	301,505
24	BSWM 25	PANINAAN SWIP	497,250	21,250	12,710	30,600	0.13	432,690
25	BSWM 26	SAN JUAN I SWIP	180,375	10,625	10,165	15,300	0.20	144,285
26	BSWM 27	SAN JUAN II SWIP	218,400	10,625	27,055	15,300	0.24	165,420
27	BSWM 28	MACARCARMAY SWIP	331,500	25,500	12,190	36,720	0.22	257,090
28	BSWM 29	PATA SWIP	936,000	42,500	9,460	61,200	0.12	822,840
29	BSWM 30	BALAOUIT SWIP	1,008,150	42,500	8,330	61,200	0.11	896,120
30	BSWM 31	CABANNUNGAN SWIP	1,006,200	29,750	13,190	42,840	0.09	920,420
31	BSWM 32	MARANA SWIP	547,950	12,750	8,490	18,360	0.07	508,350
32	BSWM 33	CABULUAN SWIP	1,242,150	42,500	21,505	61,200	0.10	1,116,945
33	BSWM 34	DIADI SWIP	1,369,875	27,625	19,195	39,780	0.06	1,283,275
34	BSWM 35	NAGANACAN SWIP	1,031,550	34,000	11,150	48,960	0.09	937,440
35	BSWM 36	BALETE SWIP	521,625	8,500	6,640	12,240	0.05	494,245
36	BSWM 37	MINAGRAG	780,000	25,500	17,225	36,720	0.10	700,555
37	BSWM 38	KIRANG SWIP	1,365,000	51,000	7,875	73,440	0.10	1,232,685
38	BSWM 39	LANNIG SWIP	457,275	14,875	10,100	21,420	0.10	410,880
39	BSWM 40	SAN ANTONIO SWIP	1,462,500	42,500	15,315	61,200	0.08	1,343,485
40	BSWM 41	ABIAN SWIP	399,750	17,000	10,080	24,480	0.13	348,190

表 9.6.1 受益者の支払能力(3/4)

No.	AGENCY Name No.	PROJECT NAME	INCREASE OF ANNUAL INCOME (Pesos) (A)	ANNUAL O&M COST(IRRIG) (Pesos) (B)	ANNUAL O&M COST(DAM) (Pesos) (C)	AMORTIZA- TION(IRRIG) (Pesos) (D)	INCOME/ EXPENCE RATIO (B+C+D)/A	DIFFERENCE INCOME EXPENCE A-(B+C+D)
41	BSM 42	TRINIDAD SWIP	731,250	21,250	17,365	30,600	0.09	662,035
42	BSM 43	MALALAM SWIP	390,000	29,750	10,370	42,840	0.21	307,040
43	BSM 44	APANG SWIP	425,100	21,250	16,520	30,600	0.16	356,730
44	BSM 45	ANNEX SWIP	3,656,250	106,250	23,475	153,000	0.08	3,373,525
45	BSM 46	VICTORIA SWIP	569,400	17,000	7,335	24,480	0.09	520,585
46	BSM 47	SAN MARCOS SWIP	926,250	29,750	12,030	42,840	0.09	841,630
47	BSM 48	SAN FRANCISCO SWIP	1,380,600	42,500	11,095	61,200	0.08	1,265,805
48	BSM 49	STA FILIPINA SWIP	223,275	6,375	2,900	9,180	0.08	204,820
49	BSM 50	OLD SAN MARIANO	253,500	8,500	7,985	12,240	0.11	224,775
50	BSM 51	YEBAN SWIP	784,875	23,375	16,970	33,660	0.09	710,870
51	BSM 52	MINALLO SWIP	645,450	21,250	28,040	30,600	0.12	565,560
52	BSM 56	ARUSING DAGA SWIP	750,750	34,000	20,480	48,960	0.14	647,310
53	BSM 57	MASIN SWIP	463,125	18,275	10,085	26,316	0.12	408,449
54	BSM 58	CARALLANGAN SWIP	394,875	16,150	12,400	23,256	0.13	343,069
55	BSM 59	GANZANO SWIP	882,375	17,000	20,970	24,480	0.07	819,925
56	BSM 60	SAMPALOC SWIP	877,500	42,500	17,860	61,200	0.14	755,940
57	BSM 61	STO. DOMINGO III SWIP	1,023,750	42,500	12,260	61,200	0.11	907,790
58	BSM 62	MASAUPI SWIP	1,267,500	42,500	7,485	61,200	0.09	1,156,315
59	BSM 63	VILLA BOADO SWIP	1,111,500	42,500	8,600	61,200	0.10	999,200
60	BSM 64	BUJID SWIP	780,000	42,500	13,075	61,200	0.15	663,225
61	BSM 65	MANINIOG SWIP	317,850	21,250	11,420	30,600	0.20	254,580
62	BSM 66	VILLA ISLA SWIP	1,072,500	42,500	8,640	61,200	0.10	960,160
63	BSM 67	STA. CATALINA SWIP	524,550	21,250	14,315	30,600	0.13	458,385
64	BSM 68	PULO SWIP	536,250	21,250	17,230	30,600	0.13	467,170
65	BSM 69	STO DOMINGO II SWIP	438,750	21,250	11,745	30,600	0.14	375,155
66	BSM 70	BITUNGOL SWIP	575,250	42,500	16,780	61,200	0.21	454,770
67	BSM 71	MAASIN SWIP	975,000	42,500	22,255	61,200	0.13	849,045
68	BSM 72	STO DOMINGO I SWIP	526,500	29,750	9,055	42,840	0.16	444,855
69	BSM 73	MANGANDINGAY SWIP	799,500	34,000	17,885	48,960	0.13	698,655
70	BSM 74	NAMJULANDAYAN SWIP	3,900,000	170,000	19,185	244,800	0.11	3,466,015
71	BSM 75	PARISTA SWIP	774,150	34,000	15,475	48,960	0.13	675,715
72	BSM 76	BALRALUNGAO SWIP	682,500	21,250	39,885	30,600	0.13	590,765
73	BSM 77	LAGUNLONG SWIP	536,250	21,250	14,370	30,600	0.12	470,030
74	BSM 78	PAKALA II SWIP	804,375	31,875	14,115	45,900	0.11	712,485
75	BSM 79	BAYUN SWIP	506,025	19,125	10,650	27,540	0.11	448,710
76	BSM 80	CAMBURAY SWIP	722,670	21,250	20,510	30,600	0.10	650,310
77	BSM 82	BUENASUERTE SWIP	189,540	34,000	10,880	48,960	0.50	95,700
78	BSM 83	BULNAG SWIP	528,450	42,500	10,445	61,200	0.22	414,305
79	BSM 84	DALNAG SWIP	654,030	21,250	10,200	30,600	0.09	591,980
80	BSM 85	GABAWAN	536,250	42,500	9,900	61,200	0.21	422,650
81	BSM 86	BURGOS SWIP	463,125	10,625	13,200	15,300	0.08	424,000
82	BSM 87	F. ARCANGEL SWIP	516,750	21,250	13,355	30,600	0.13	451,545
83	BSM 88	PINONAY SWIP	453,375	10,625	9,415	15,300	0.08	418,035
84	BSM 89	STRALIN-TORALEA SWIP	291,525	10,625	9,215	15,300	0.12	256,385
85	BSM 90	PANLAGANGAN SWIP	419,250	21,250	10,800	30,600	0.15	356,600
86	BSM 91	TRACIANO SWIP	468,000	21,250	6,370	30,600	0.12	409,780
87	BSM 92	SAN ROQUE SWIP	604,500	17,000	12,365	24,480	0.09	550,655
88	BSM 93	ARANAG SWIP	817,050	42,500	15,170	61,200	0.15	698,180
89	BSM 94	BUENAVISTA SWIP	419,250	21,250	8,195	30,600	0.14	359,205
90	BSM 95	DITA I SWIP	742,950	21,250	16,220	30,600	0.09	674,880
91	BSM 96	DITA II SWIP	513,825	14,875	10,790	21,420	0.09	466,740
92	BSM 97	SAN JOSE SWIP II	534,105	12,750	12,410	18,360	0.08	490,585
93	BSM 98	STO. NINO SWIP	1,417,260	46,750	14,090	67,320	0.09	1,289,100
94	BSM 99	NANGKA SWIP	443,625	14,875	12,375	21,420	0.11	394,955
95	BSM 100	BAGTIC SWIP	1,760,460	42,500	11,170	61,200	0.07	1,645,590
96	BSM 101	NABILG SWIP	780,000	21,250	19,920	30,600	0.09	708,230
97	BSM 102	BONG-BONG I SWIP	1,462,500	42,500	7,310	61,200	0.08	1,351,490
98	BSM 103	BONG-BONG II SWIP	1,150,500	42,500	7,435	61,200	0.10	1,039,365
99	BSM 108	JUBASAN SWIP	212,550	10,625	15,715	15,300	0.20	170,910
100	BSM 109	CASABAHAN SWIP	906,750	42,500	15,580	61,200	0.13	787,470
101	BSM 110	INAMBURACAY SWIP	680,550	21,250	16,390	30,600	0.10	612,310
102	BSM 111	STA. FE SWIP	1,647,750	53,125	9,715	76,500	0.08	1,508,410
103	BSM 112	CAMPIN SWIP	674,700	24,650	10,210	35,496	0.10	604,344
104	BSM 113	LABOON SWIP	336,375	10,625	8,690	15,300	0.10	301,760
105	BSM 114	POLANQUI SWIP	788,970	21,250	6,415	30,600	0.07	730,705
106	BSM 115	TABAWAN SWIP	0	42,500	21,915	61,200	-	-
107	BSM 117	WOODLAND SWIP	1,375,140	42,500	11,750	61,200	0.08	1,259,690
108	BSM 118	SUMADAT SWIP	765,375	29,750	11,260	42,840	0.11	681,525

表 9.6.1 受益者の支払能力(4/4)

No.	AGENCY Name No.	PROJECT NAME	INCREASE OF ANNUAL INCOME (Pesos) (A)	ANNUAL O&M COST (IRRIG) (Pesos) (B)	ANNUAL O&M COST (DAM) (Pesos) (C)	AMORTIZA- TION (IRRIG) (Pesos) (D)	INCOME/ EXPENCE RATIO (B+C+D)/A	DIFFERENCE INCOME EXPENCE A-(B+C+D)
109	BSM 119	LUNGNOT SWIP	931,125	25,500	11,615	36,720	0.08	857,290
110	BSM 120	LAMARE I SWIP	750,750	34,000	9,875	48,960	0.12	657,915
111	BSM 121	LAMARE II SWIP	773,175	25,500	13,750	36,720	0.10	697,205
112	BSM 122	BUENAVISTA SWIP	758,550	42,500	14,110	61,200	0.16	640,740
113	BSM 123	GOLING SWIP	736,125	42,500	9,985	61,200	0.15	622,440
114	BSM 124	LABUAGON SWIP	1,655,940	63,750	5,860	91,800	0.10	1,494,530
115	BSM 125	ALUBIJID SWIP	970,125	44,625	10,330	64,260	0.12	850,910
116	BSM 126	BALIBAYON SWIP	812,175	34,000	19,285	48,960	0.13	709,930
117	BSM 127	APULANG SWIP	1,170,000	59,500	5,765	85,680	0.13	1,019,055
118	BSM 128	TALO-AO SWIP	2,481,375	65,875	21,905	94,860	0.07	2,298,735
119	BSM 129	DUMALAGAN SWIP	1,940,250	72,250	14,715	104,040	0.10	1,749,245
120	BSM 130	MINTU-OD SWIP	1,610,310	42,500	10,890	61,200	0.07	1,495,720
121	BSM 131	MALAPONG SWIP	1,714,050	85,000	7,170	122,400	0.13	1,499,480
122	BSM 132	TALAGANAHAO SWIP	741,858	25,500	9,840	36,720	0.10	669,798
123	BSM 133	KITAO-TAO SWIP	2,730,000	85,000	10,380	122,400	0.08	2,512,220
124	BSM 134	SAN RAFAEL SWIP	492,375	14,875	17,590	21,420	0.11	438,490
125	BSM 135	BUKAY-PAIT SWIP	1,204,125	57,375	19,225	82,620	0.13	1,044,905
126	BSM 136	LIBUDON SWIP	302,250	12,750	6,595	18,360	0.12	264,545
127	BSM 137	DUMADALIG SWIP	521,625	17,000	13,395	24,480	0.11	466,750
128	BSM 138	LIBASAN SWIP	2,306,850	80,750	21,940	116,280	0.09	2,087,880
129	BSM 139	FLORIDA SWIP	2,026,050	63,750	15,655	91,800	0.08	1,854,845
130	BSM 140	DALMAN SWIP	351,000	17,000	9,045	24,480	0.14	300,475
131	BSM 141	SAN NICOLAS SWIP	1,204,125	34,000	17,750	48,960	0.08	1,103,415
132	BSM 142	BOLTON SWIP	1,508,325	51,500	22,705	74,160	0.10	1,359,960
133	BSM 143	PEDTAP SWIP	924,300	34,000	19,850	48,960	0.11	821,490
134	BSM 144	LOOY SWIP	1,194,375	36,125	20,600	52,020	0.09	1,085,630
135	BSM 145	DALINGAWEN SWIP	3,656,250	106,250	18,830	153,000	0.08	3,378,170
136	BSM 146	TINIBTIBAN SWIP	2,022,150	51,000	15,980	73,440	0.07	1,881,730
137	BSM 147	BUSOK SWIP	1,023,750	42,500	11,455	61,200	0.11	908,595
138	BSM 149	LANCHETA SWIP	235,365	8,500	9,135	12,240	0.13	205,490
139	BSM 150	NEW CARMEN	1,547,325	74,375	12,635	107,100	0.13	1,353,215
140	BSM 151	MALAGAKIT SWIP	1,435,200	42,500	9,330	61,200	0.08	1,322,170
TOTAL (BSM)			123,070,038	4,603,675	1,917,735	6,629,292	0.11	109,919,336
GRAND TOTAL			382,930,938	13,576,425	8,290,790	18,999,252	0.11	342,064,471

表 10.2.1 S W I M 事業 10 年実施計画の前期 5 年計画の内部収益率

Unit: Pesos1,000

Year	DPWH		NIA		BSWM		Total		
	Cost	Benefit	Balance	Cost	Benefit	Balance	Cost	Benefit	Balance
1991	-28,750	0	-28,750	-72,040	0	-72,040	-73,228	0	-73,228
1992	-36,010	0	-36,010	-147,541	0	-147,541	-82,497	7,715	-74,781
1993	-42,496	7,483	-35,014	-170,200	19,445	-150,755	-84,867	33,315	-51,552
1994	-43,732	13,649	-30,084	-186,066	51,829	-134,238	-80,458	49,430	-31,028
1995	-54,170	19,104	-35,066	-158,504	91,686	-66,818	-93,842	65,941	-27,901
1996	-1,446	30,198	28,752	-5,084	146,013	140,930	-3,645	90,599	86,954
1997	-1,446	35,851	34,405	-5,084	165,078	159,994	-3,645	102,170	98,525
1998	-1,446	40,958	39,511	-5,084	176,863	171,780	-3,645	111,748	108,103
1999	-1,446	40,958	39,511	-5,084	176,863	171,780	-3,645	111,748	108,103
2000	-1,446	40,958	39,511	-5,084	176,863	171,780	-3,645	111,748	108,103
2001	-1,446	40,958	39,511	-5,084	176,863	171,780	-3,645	111,748	108,103
2002	-1,446	40,958	39,511	-5,084	176,863	171,780	-3,645	111,748	108,103
2003	-1,446	40,958	39,511	-5,084	176,863	171,780	-3,645	111,748	108,103
2004	-1,446	40,958	39,511	-5,084	176,863	171,780	-3,645	111,748	108,103
2005	-1,446	40,958	39,511	-5,084	176,863	171,780	-3,645	111,748	108,103
2006	-1,446	40,958	39,511	-5,084	176,863	171,780	-3,645	111,748	108,103
2007	-1,446	40,958	39,511	-5,084	176,863	171,780	-3,645	111,748	108,103
2008	-1,446	40,958	39,511	-5,084	176,863	171,780	-3,645	111,748	108,103
2009	-1,446	40,958	39,511	-5,084	176,863	171,780	-3,645	111,748	108,103
2010	-1,446	40,958	39,511	-5,084	176,863	171,780	-3,645	111,748	108,103
2011	-1,446	40,958	39,511	-5,084	176,863	171,780	-3,645	111,748	108,103
2012	-1,446	40,958	39,511	-5,084	176,863	171,780	-3,645	111,748	108,103
2013	-1,446	40,958	39,511	-5,084	176,863	171,780	-3,645	111,748	108,103
2014	-1,446	40,958	39,511	-5,084	176,863	171,780	-3,645	111,748	108,103
2015	-1,446	40,958	39,511	-5,084	176,863	171,780	-3,645	111,748	108,103
2016	-1,446	40,958	39,511	-5,084	176,863	171,780	-3,645	111,748	108,103
2017	-1,446	40,958	39,511	-5,084	176,863	171,780	-3,645	111,748	108,103
2018	-1,446	40,958	39,511	-5,084	176,863	171,780	-3,645	111,748	108,103
2019	-1,446	40,958	39,511	-5,084	176,863	171,780	-3,645	111,748	108,103
2020	-1,446	40,958	39,511	-5,084	176,863	171,780	-3,645	111,748	108,103
2021	0	0	0	0	0	0	0	0	0
2022	0	0	0	0	0	0	0	0	0
2023	0	0	0	0	0	0	0	0	0
2024	0	0	0	0	0	0	0	0	0
2025	0	0	0	0	0	0	0	0	0

EIRR = 20.0%

表 10.2.2 S W I M 事業 10 年実施計画の後期 5 年計画の内部収益率

Unit: Pesos1,000

Year	DPWH			NIA			BSWM			Total		
	Cost	Benefit	Balance	Cost	Benefit	Balance	Cost	Benefit	Balance	Cost	Benefit	Balance
1991	0	0	0	0	0	0	0	0	0	0	0	0
1992	0	0	0	0	0	0	0	0	0	0	0	0
1993	0	0	0	0	0	0	0	0	0	0	0	0
1994	0	0	0	0	0	0	0	0	0	0	0	0
1995	-4,918	0	-4,918	-20,665	0	-20,665	0	0	0	-25,583	0	-25,583
1996	-74,689	0	-74,689	-176,817	0	-176,817	-54,619	0	-54,619	-306,124	0	-306,124
1997	-87,734	2,913	-84,822	-187,597	1,168	-186,428	-57,225	3,880	-53,346	-332,556	7,960	-324,596
1998	-95,548	14,025	-81,523	-189,989	46,062	-143,927	-60,651	18,815	-41,836	-346,188	78,902	-267,286
1999	-103,534	27,202	-76,332	-189,815	78,724	-111,091	-66,367	29,183	-37,185	-359,716	135,109	-224,607
2000	-125,941	35,810	-90,130	-201,539	106,753	-94,786	-71,235	43,875	-27,360	-398,715	186,438	-212,277
2001	-3,274	52,292	49,018	-5,648	134,321	128,673	-2,309	51,268	48,960	-11,230	237,881	226,651
2002	-3,274	54,256	50,982	-5,648	143,275	137,627	-2,309	54,760	52,452	-11,230	252,291	241,061
2003	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964
2004	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964
2005	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964
2006	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964
2007	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964
2008	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964
2009	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964
2010	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964
2011	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964
2012	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964
2013	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964
2014	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964
2015	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964
2016	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964
2017	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964
2018	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964
2019	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964
2020	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964
2021	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964
2022	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964
2023	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964
2024	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964
2025	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964

EIRR = 12.8%

表 10.2.3 S W I M 事業 10 年 実施 計画 の 内部 収益 率

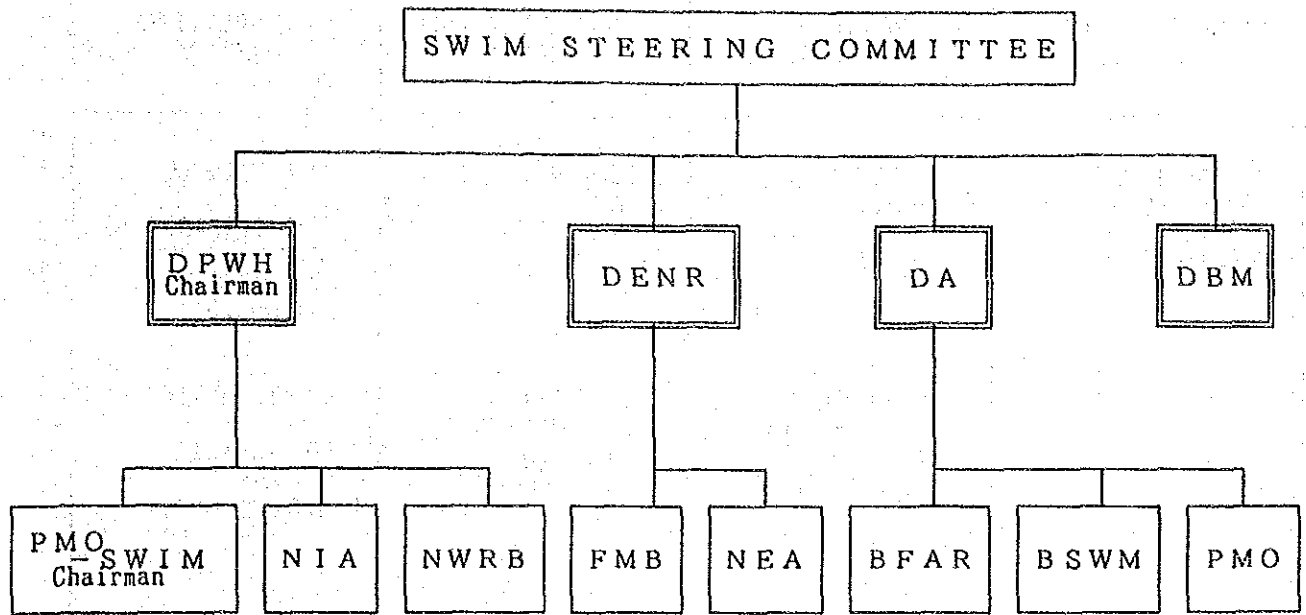
Year	Unit: Pesos 1,000												
	DPWH				NIA				BSWM				Total
	Cost	Benefit	Balance	Cost	Benefit	Balance	Cost	Benefit	Balance	Cost	Benefit	Balance	Benefit
1991	-28,750	0	-28,750	-72,040	0	-72,040	-73,228	0	-73,228	-174,019	0	-174,019	0
1992	-36,010	0	-36,010	-147,541	0	-147,541	-82,497	7,715	-74,781	-266,048	7,715	-258,332	7,715
1993	-42,496	7,483	-35,014	-170,200	19,445	-150,755	-84,867	33,315	-51,552	-297,563	60,243	-237,320	60,243
1994	-43,732	13,649	-30,084	-186,066	51,829	-134,238	-80,458	49,430	-31,028	-310,257	114,907	-195,350	114,907
1995	-59,089	19,104	-39,984	-179,169	91,686	-87,482	-93,842	65,941	-27,901	-332,100	176,732	-155,368	176,732
1996	-76,135	30,198	-45,937	-181,901	146,013	-35,887	-58,264	90,599	32,335	-316,299	266,811	-49,489	266,811
1997	-89,181	38,764	-50,417	-192,680	166,246	-26,434	-60,870	106,050	45,180	-342,731	311,060	-31,671	311,060
1998	-96,994	54,982	-42,012	-195,073	222,926	27,853	-64,296	130,563	66,266	-356,363	408,471	52,108	408,471
1999	-104,980	68,160	-36,820	-194,899	255,588	60,689	-70,012	140,931	70,918	-369,891	464,678	94,787	464,678
2000	-127,387	76,768	-50,619	-206,623	283,616	76,994	-74,880	155,623	80,743	-408,890	516,007	107,117	516,007
2001	-4,720	93,250	88,530	-10,732	311,184	300,453	-5,954	163,016	157,063	-21,405	567,450	546,045	567,450
2002	-4,720	95,213	90,494	-10,732	320,139	309,407	-5,954	166,508	160,554	-21,405	581,860	560,455	581,860
2003	-4,720	95,774	91,054	-10,732	325,613	314,881	-5,954	167,376	161,422	-21,405	588,763	567,358	588,763
2004	-4,720	95,774	91,054	-10,732	325,613	314,881	-5,954	167,376	161,422	-21,405	588,763	567,358	588,763
2005	-4,720	95,774	91,054	-10,732	325,613	314,881	-5,954	167,376	161,422	-21,405	588,763	567,358	588,763
2006	-4,720	95,774	91,054	-10,732	325,613	314,881	-5,954	167,376	161,422	-21,405	588,763	567,358	588,763
2007	-4,720	95,774	91,054	-10,732	325,613	314,881	-5,954	167,376	161,422	-21,405	588,763	567,358	588,763
2008	-4,720	95,774	91,054	-10,732	325,613	314,881	-5,954	167,376	161,422	-21,405	588,763	567,358	588,763
2009	-4,720	95,774	91,054	-10,732	325,613	314,881	-5,954	167,376	161,422	-21,405	588,763	567,358	588,763
2010	-4,720	95,774	91,054	-10,732	325,613	314,881	-5,954	167,376	161,422	-21,405	588,763	567,358	588,763
2011	-4,720	95,774	91,054	-10,732	325,613	314,881	-5,954	167,376	161,422	-21,405	588,763	567,358	588,763
2012	-4,720	95,774	91,054	-10,732	325,613	314,881	-5,954	167,376	161,422	-21,405	588,763	567,358	588,763
2013	-4,720	95,774	91,054	-10,732	325,613	314,881	-5,954	167,376	161,422	-21,405	588,763	567,358	588,763
2014	-4,720	95,774	91,054	-10,732	325,613	314,881	-5,954	167,376	161,422	-21,405	588,763	567,358	588,763
2015	-4,720	95,774	91,054	-10,732	325,613	314,881	-5,954	167,376	161,422	-21,405	588,763	567,358	588,763
2016	-4,720	95,774	91,054	-10,732	325,613	314,881	-5,954	167,376	161,422	-21,405	588,763	567,358	588,763
2017	-4,720	95,774	91,054	-10,732	325,613	314,881	-5,954	167,376	161,422	-21,405	588,763	567,358	588,763
2018	-4,720	95,774	91,054	-10,732	325,613	314,881	-5,954	167,376	161,422	-21,405	588,763	567,358	588,763
2019	-4,720	95,774	91,054	-10,732	325,613	314,881	-5,954	167,376	161,422	-21,405	588,763	567,358	588,763
2020	-4,720	95,774	91,054	-10,732	325,613	314,881	-5,954	167,376	161,422	-21,405	588,763	567,358	588,763
2021	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964	259,194
2022	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964	259,194
2023	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964	259,194
2024	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964	259,194
2025	-3,274	54,816	51,543	-5,648	148,749	143,101	-2,309	55,628	53,320	-11,230	259,194	247,964	259,194

EIRR = 17.5%

付図

Phase	Objective Project	Work Flow
I Study on Current Status of SWIM Project	<ul style="list-style-type: none"> - Projects already completed (32 projects) - Projects under construction (17 projects) - Projects already identified but not constructed yet (501 projects) <p>(Total:550 Projects)</p>	<pre> graph TD A[Inventory of SWIM Projects (550 Projects)] --> B[Projects before construction (501 Projects)] A --> C[Projects completed or under construction (49 Projects)] B --> D[Projects without studies (266 Projects)] B --> E[Projects with studies (235 Projects)] D --> F[Additional Survey & Studies (96 Projects)] E --> G[Review of Existing Studies (235 Projects)] C --> H[Post-evaluation Study of Completed Projects (10 Projects)] </pre>
II Preparation of Criteria and/or Guidelines	<ul style="list-style-type: none"> - Projects with the existing studies (235 Projects) - Projects additionally surveyed (96 Projects) - Projects without studies (170 Projects) <p>(Total:501 Projects)</p>	<pre> graph TD I[Classification of Projects by categories (331 Projects)] --> J[Preparation of Criteria / Guidelines] J --> K[Criteria for screening or priority ranking] J --> L[Planning criteria for SWIM Projects comprising guidelines of: 1. survey and investigation 2. planning 3. designs of major structures 4. Operation and maintenance] J --> M[Guidelines for implementation procedures] </pre>
III Formulation of Master Plan	Same as Phase II	<pre> graph TD N[Formulation of Master Plan which includes:] --> O[1. Priority grouping of SWIM Projects] N --> P[2. Implementation schedule for next 10 years] N --> Q[3. Recommendation for further studies/designs and implementation] </pre>

図.1.2.1 本調査作業の流れ図



NOTE :

 Members of SWIM Steering Committee

 Members of Technical Working Group (TWG)

Implementing/Cooperating Agencies : PMO-SWIM, NIA, FMB, NEA, BSWM
 Cooperating Agencies : NWRB, BFAR

- D P W H : Department of Public Works and Highways
- D E N R : Department of Environment and Natural Resources
- D A : Department of Agriculture
- D B M : Department of Budget and Management
- PMO-SWIM : Project Management Office for SWIM in DPWH
- N I A : National Irrigation Administration
- N W R B : National Water Resources Board
- F M B : Forest Management Bureau
- N E A : National Electrification Administration
- B F A R : Bureau of Fisheries and Aquatic Resources
- B S W M : Bureau of Soils and Water Management
- P M O : Project Management Office in DA (formerly FSDC)

図.2.4.1 SWIM事業の現行実施体制

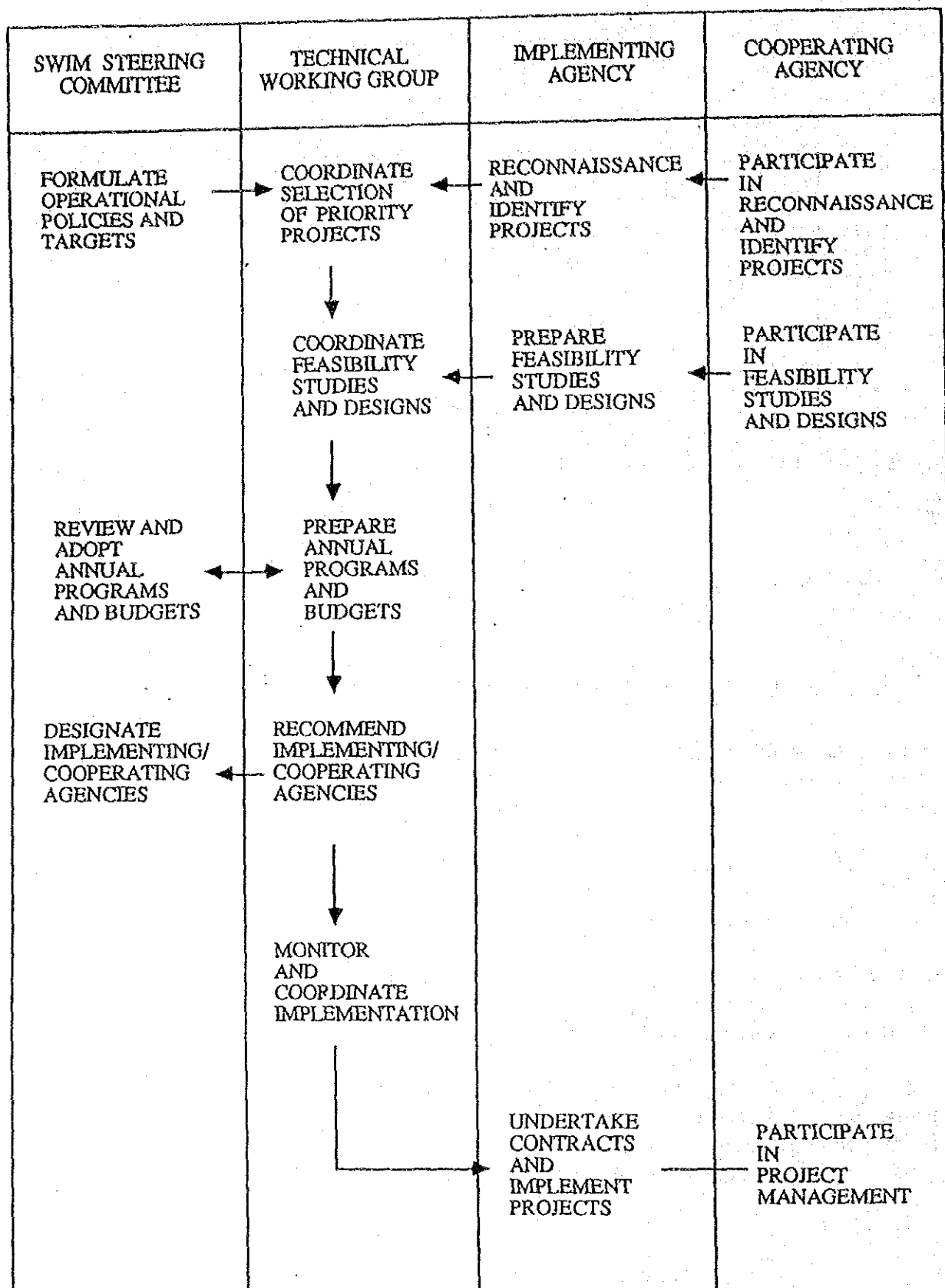


図.2.4.2 SWIM事業実施の流れ

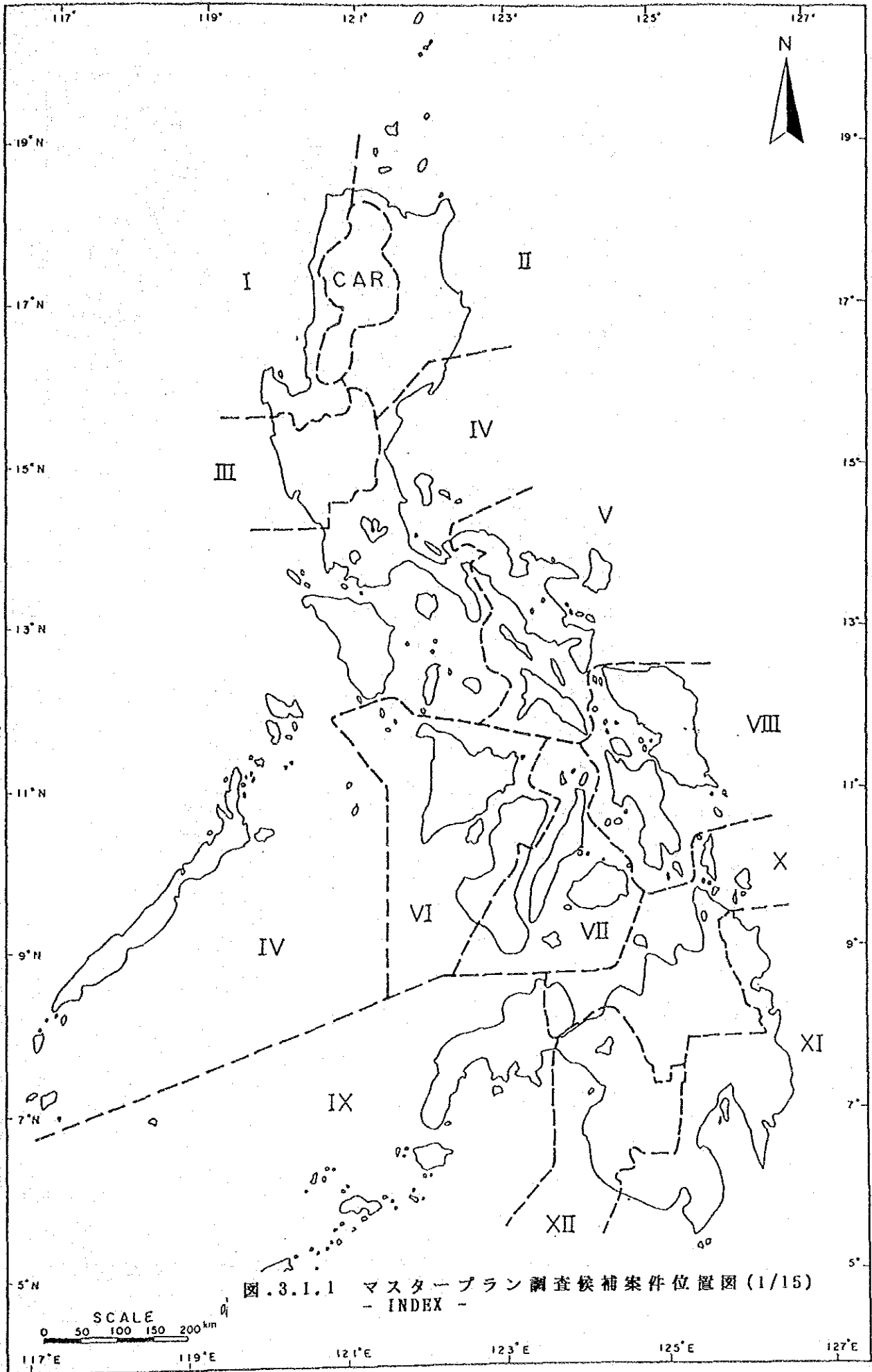


図.3.1.1 マスタープラン調査候補案件位置図 (1/15)
- INDEX -

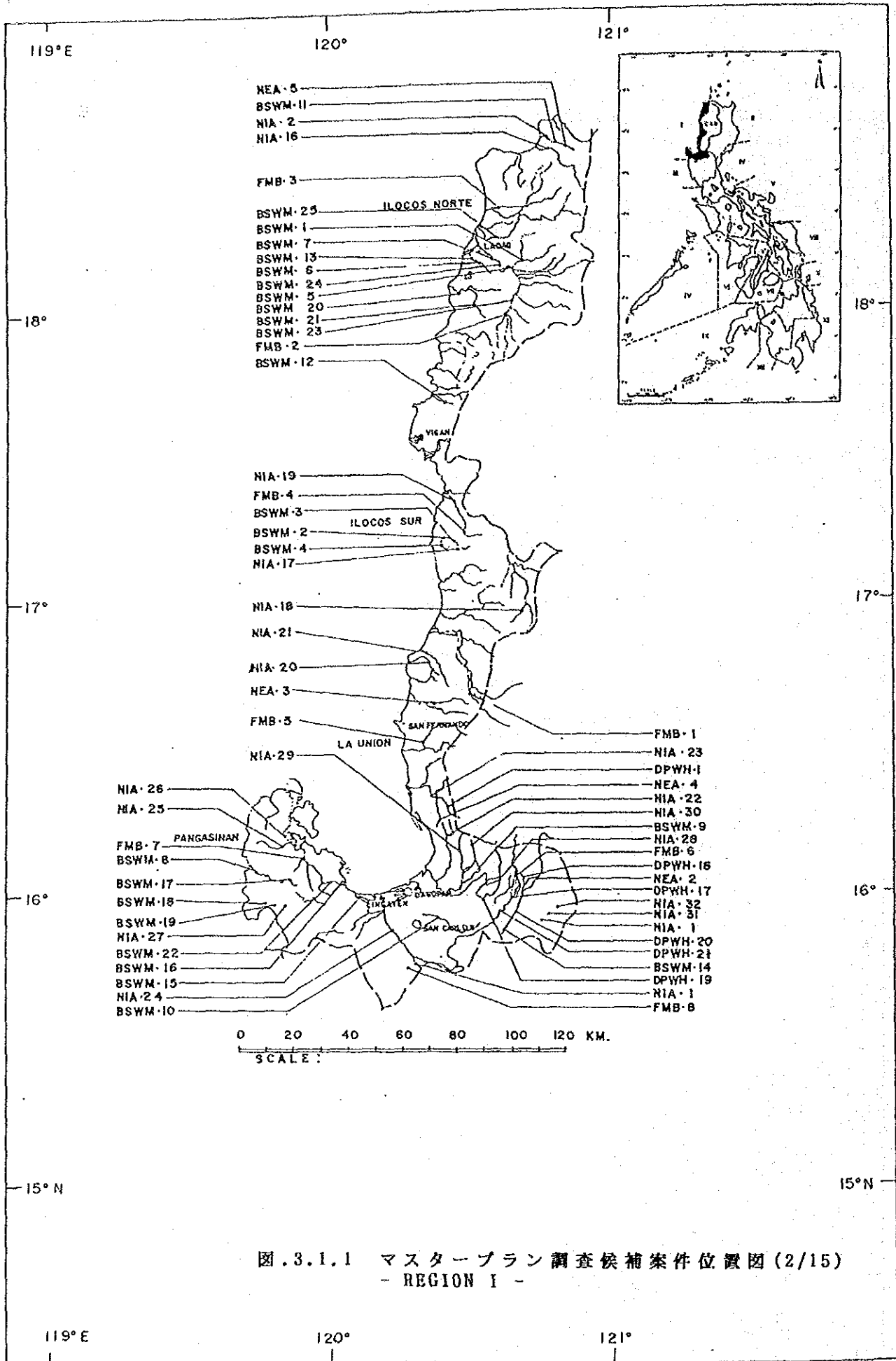


図.3.1.1 マスタープラン調査候補案件位置図(2/15)
- REGION I -

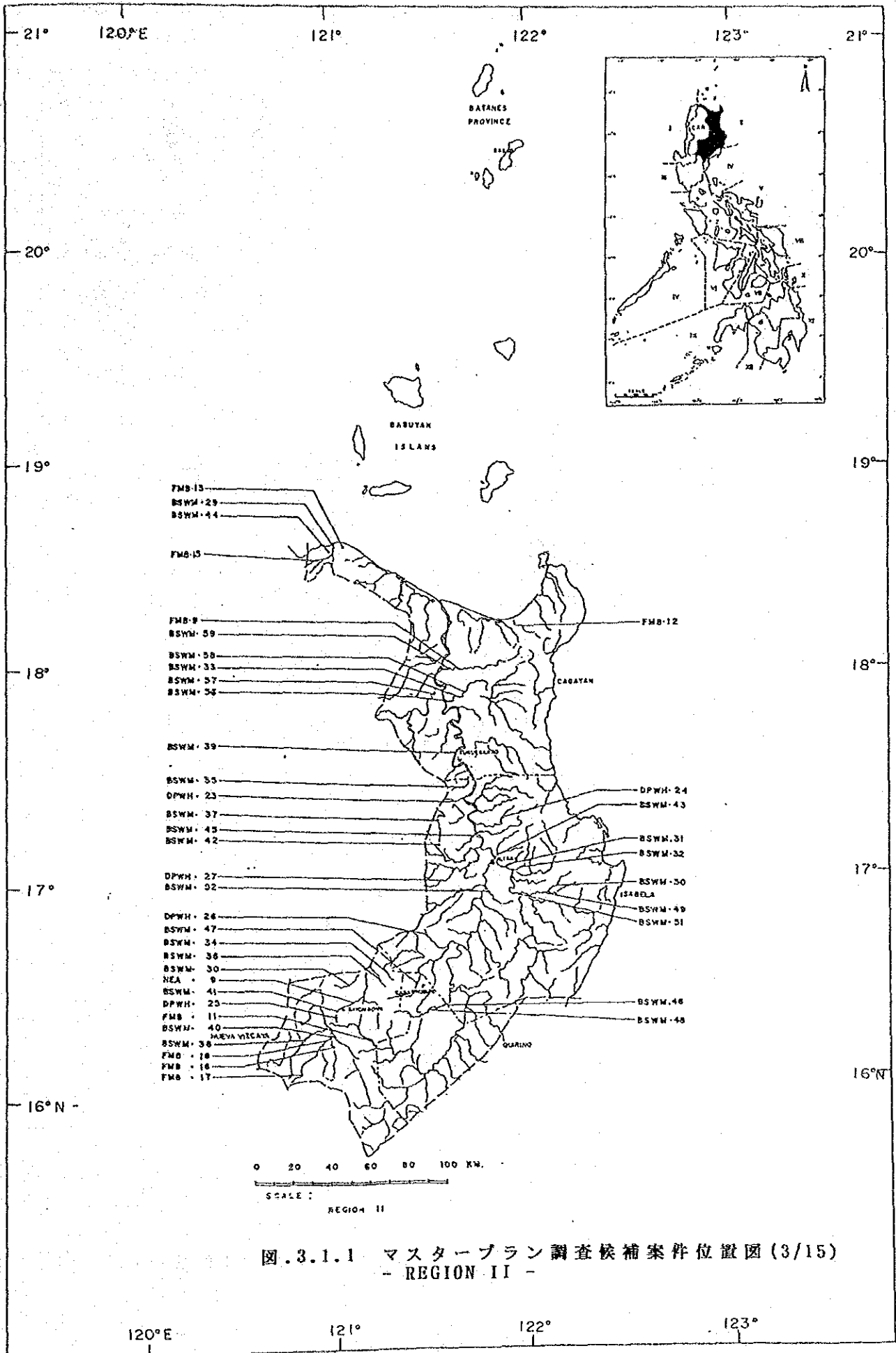


図.3.1.1 マスタープラン調査候補案件位置図(3/15)
- REGION II -

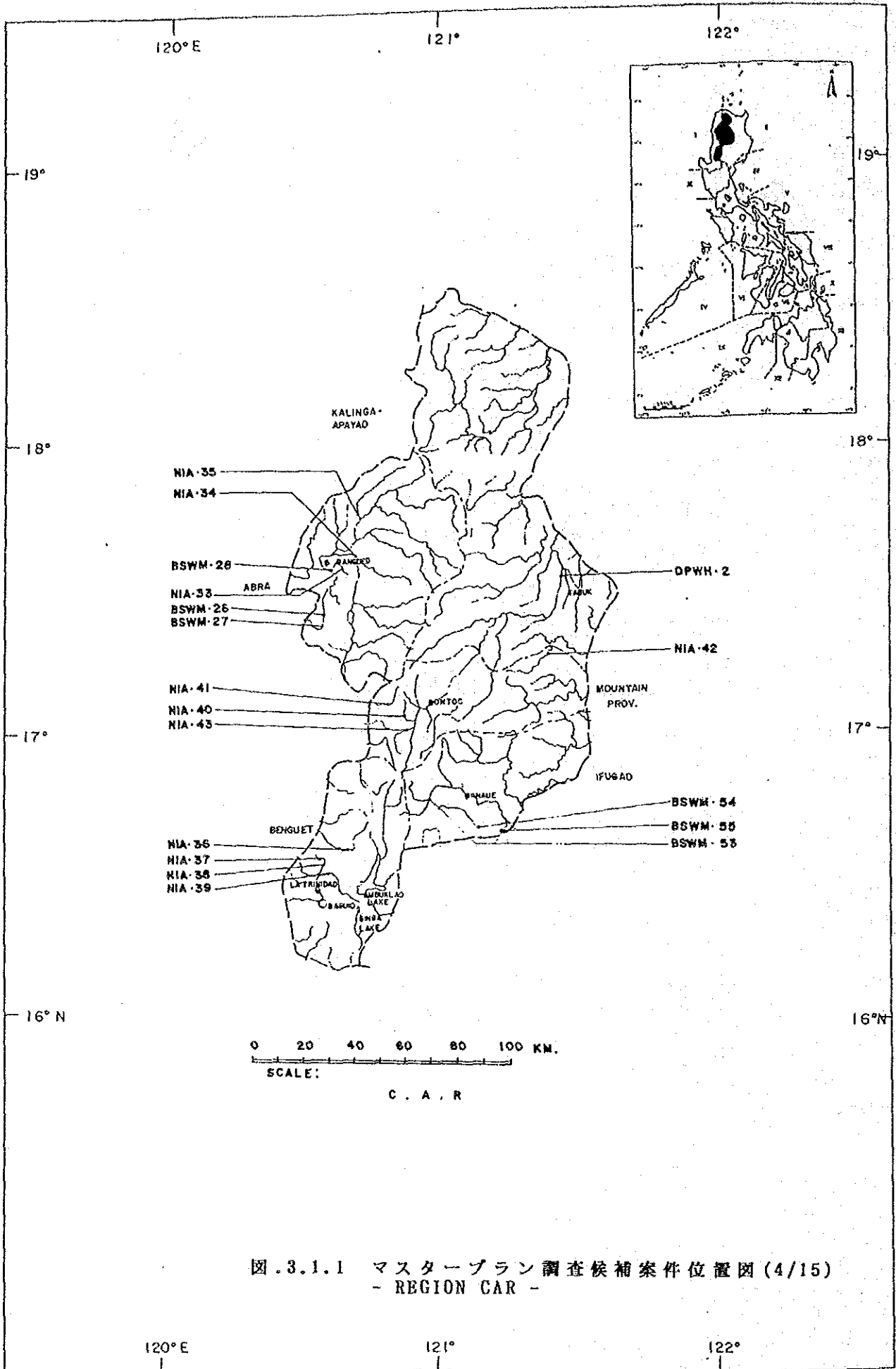


図.3.1.1 マスタープラン調査候補案件位置図(4/15)
- REGION CAR -

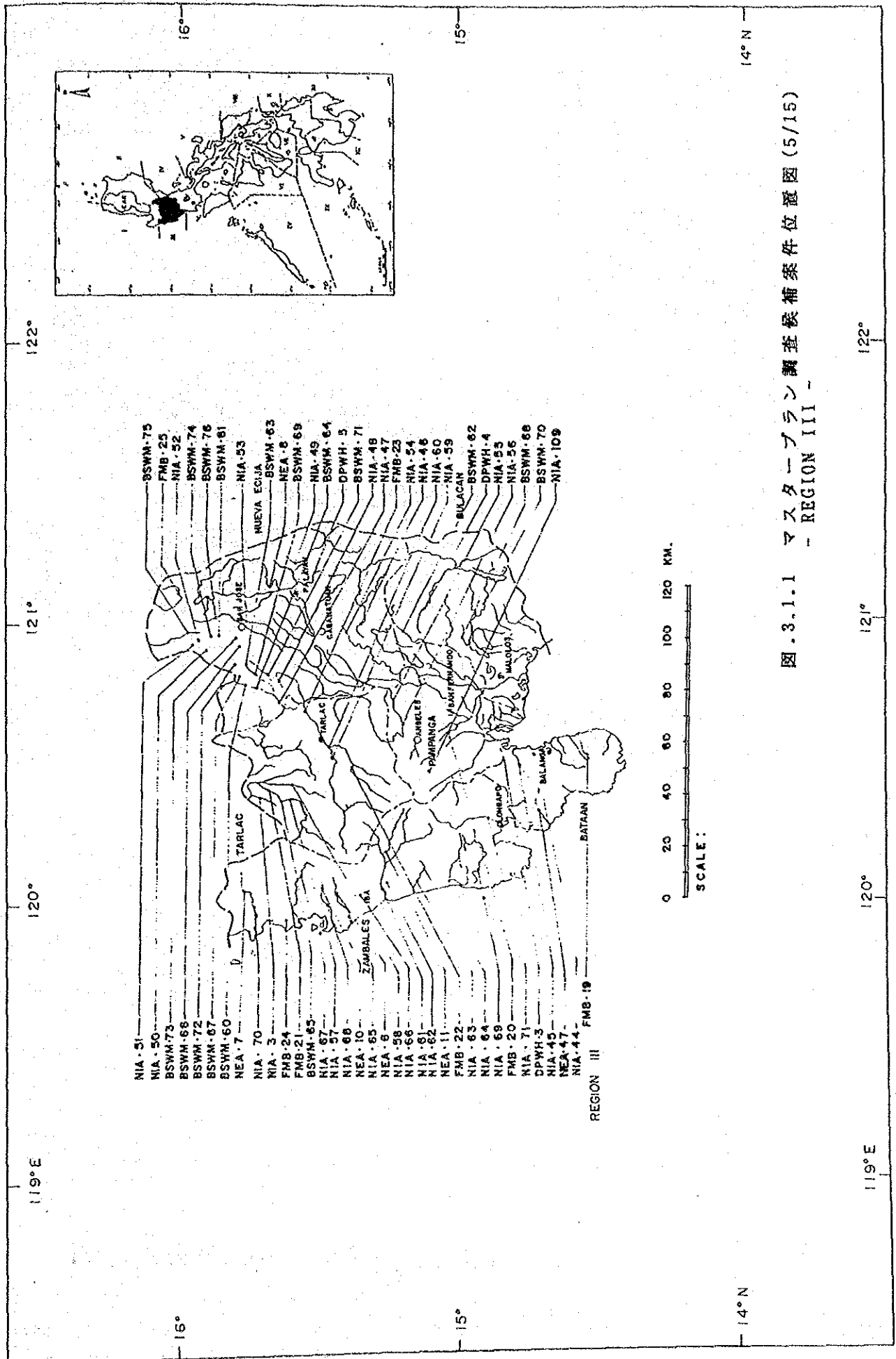


図.3.1.1.1 マスタープラン調査候補案件位置図 (5/15)
- REGION III -

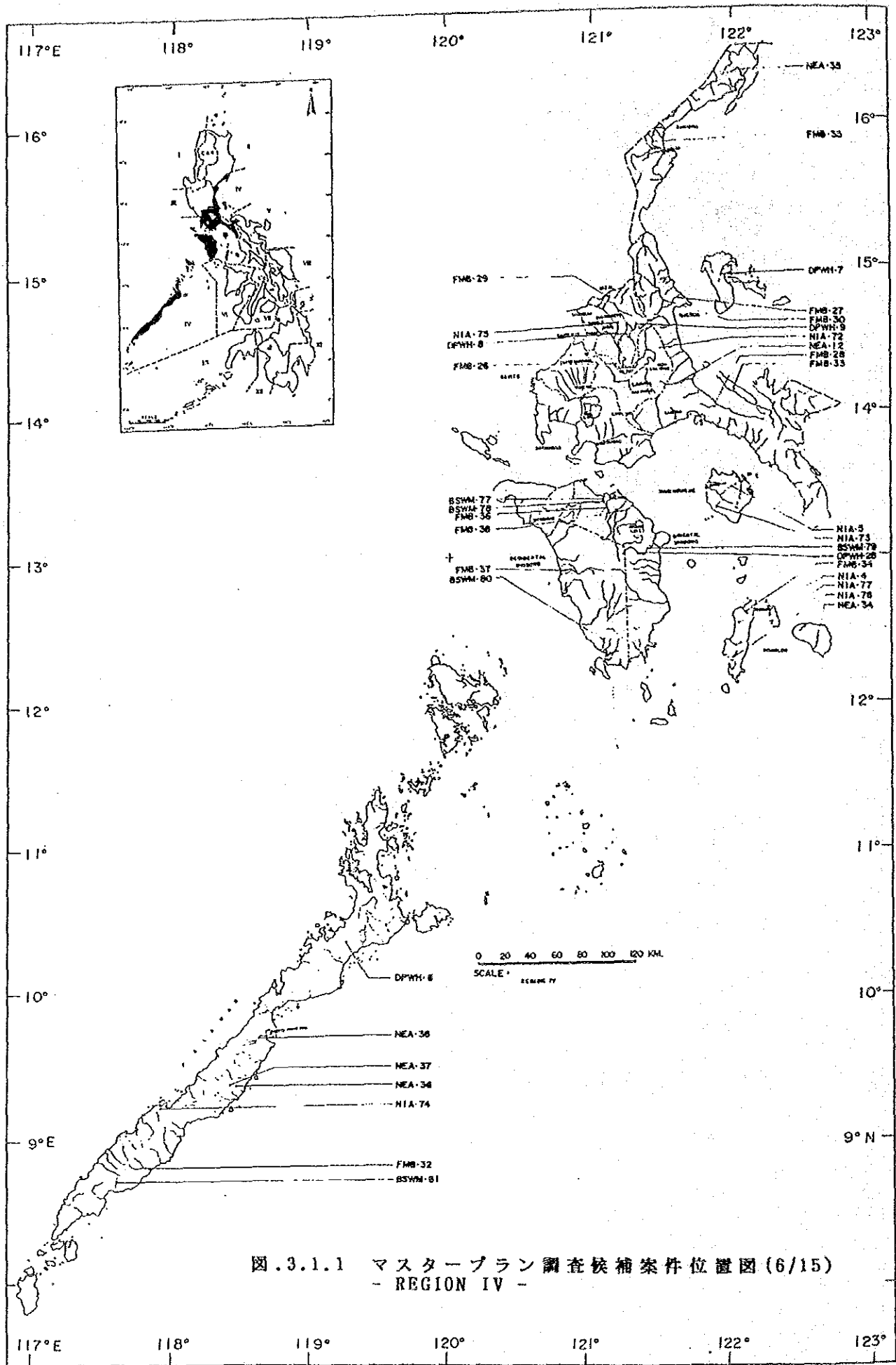


図.3.1.1 マスタープラン調査候補案件位置図(6/15)
- REGION IV -

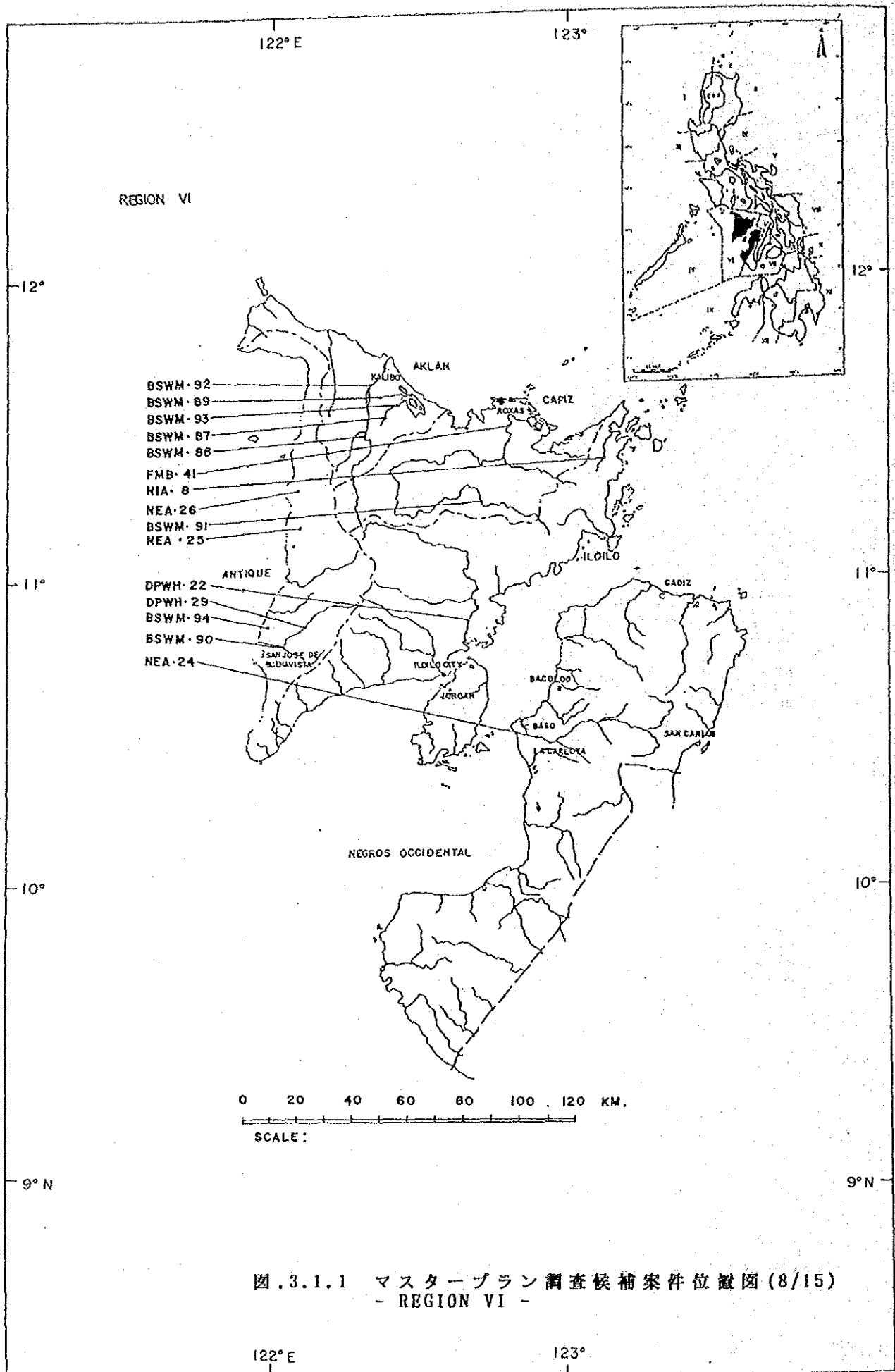


図.3.1.1 マスタープラン調査候補案件位置図(8/15)
- REGION VI -

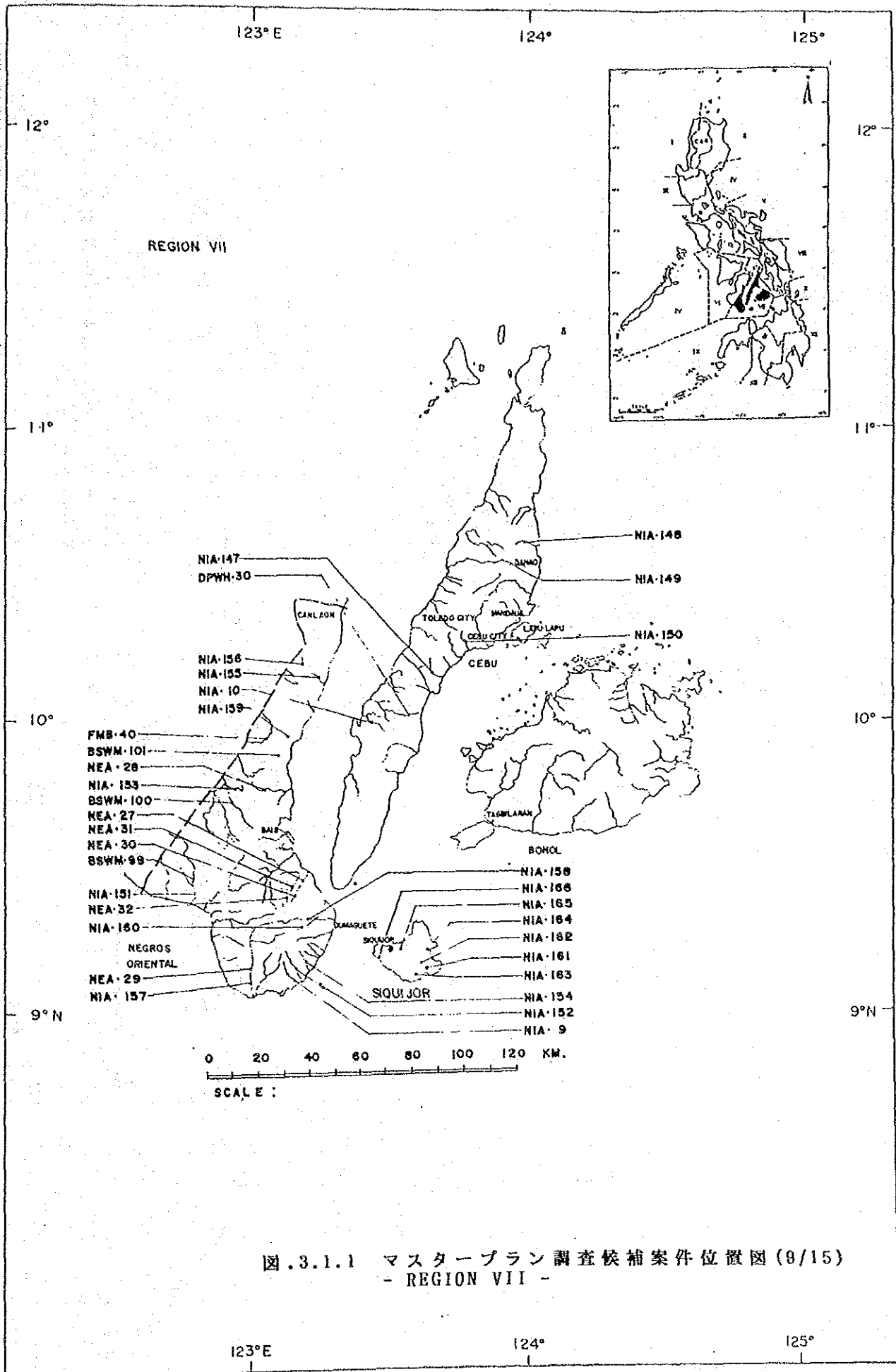


図.3.1.1 マスタープラン調査候補案件位置図(9/15)
- REGION VII -

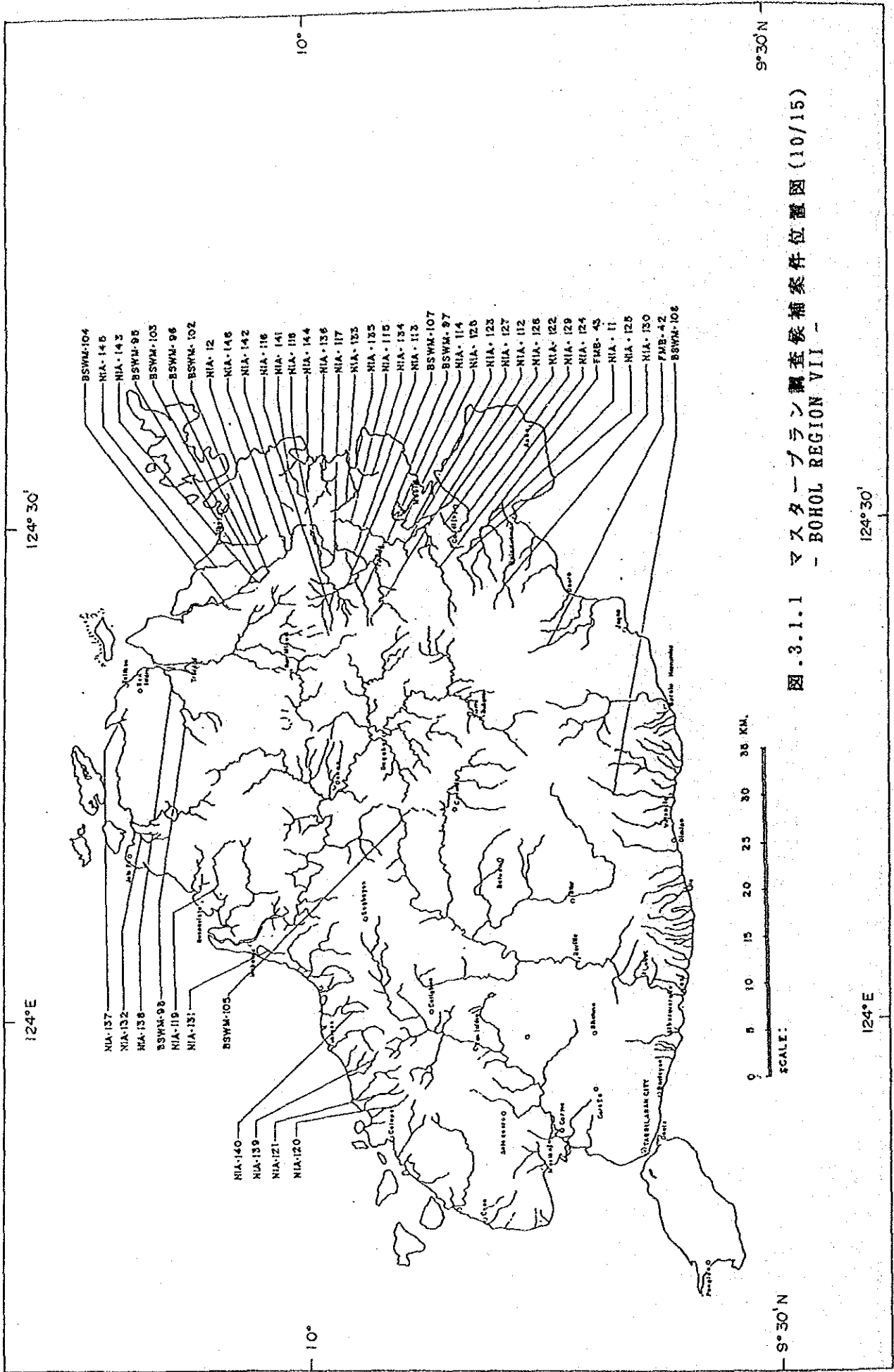


図 3.1.1.1 マスタープラン調査候補案件位置図 (10/15)
 - BOHOL REGION VII -

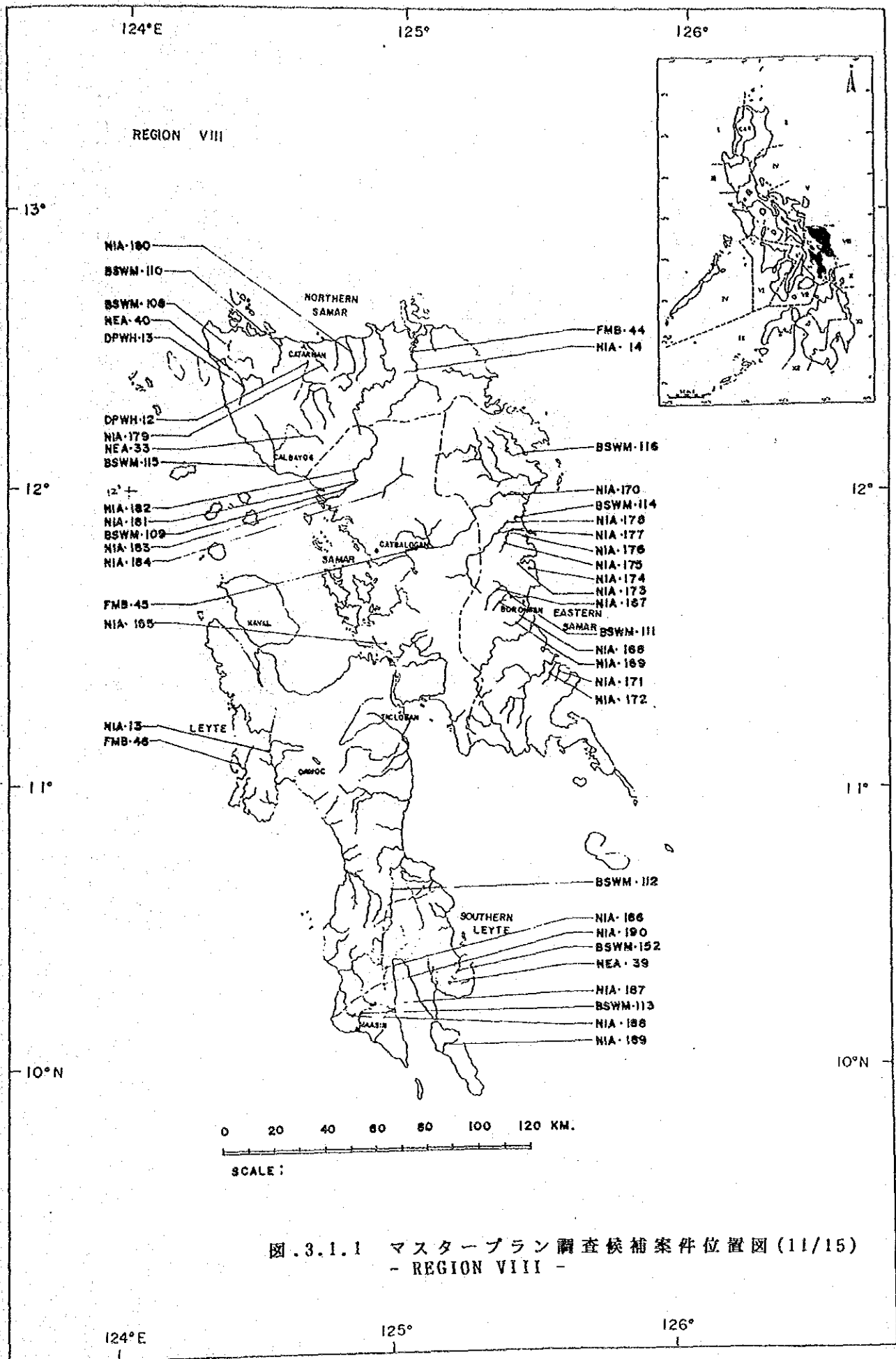


図.3.1.1 マスタープラン調査候補案件位置図(11/15)
- REGION VIII -

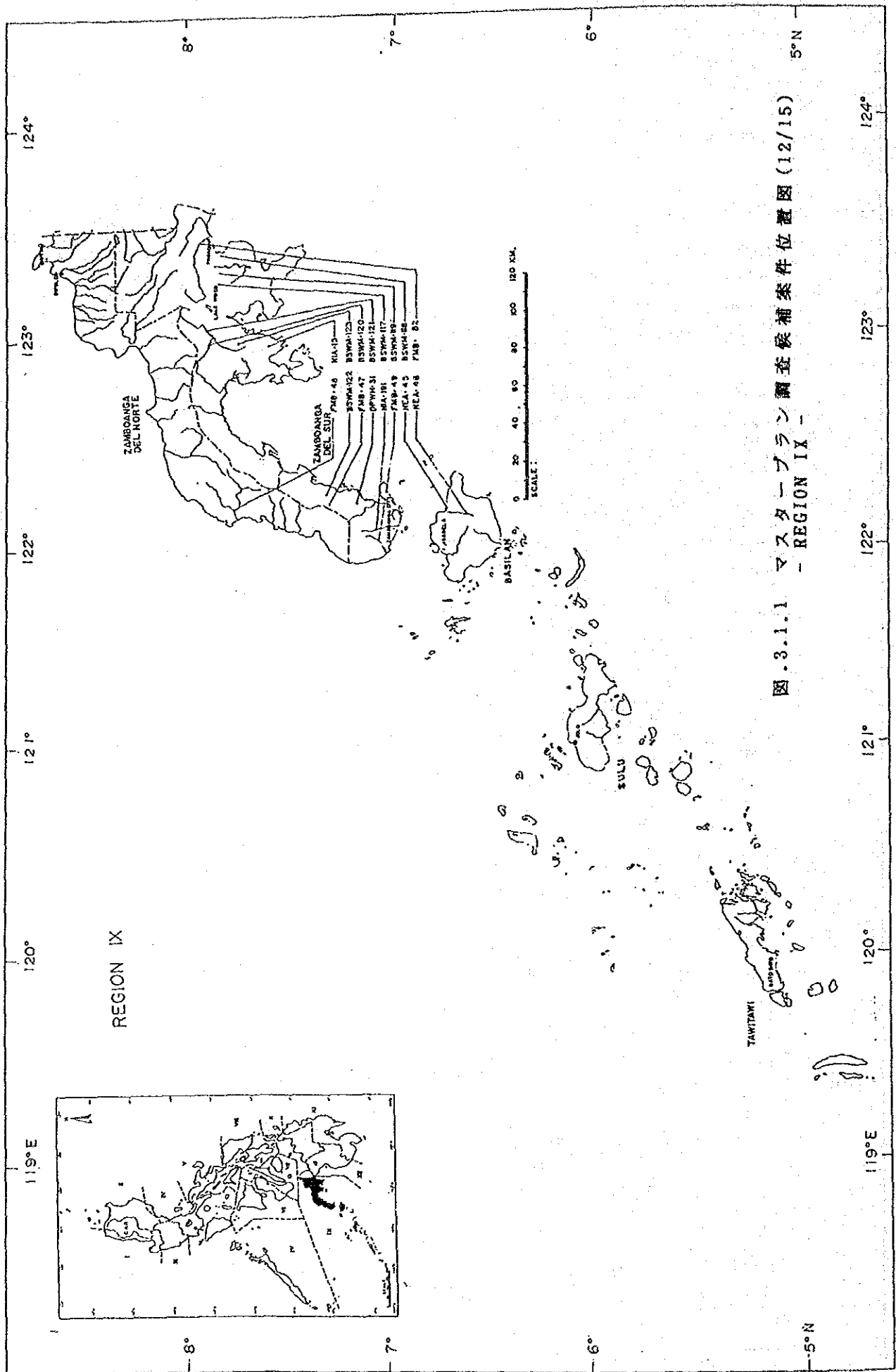


図.3.1.1.1 マスタープラン調査候補案件位置図 (12/15)
- REGION IX -

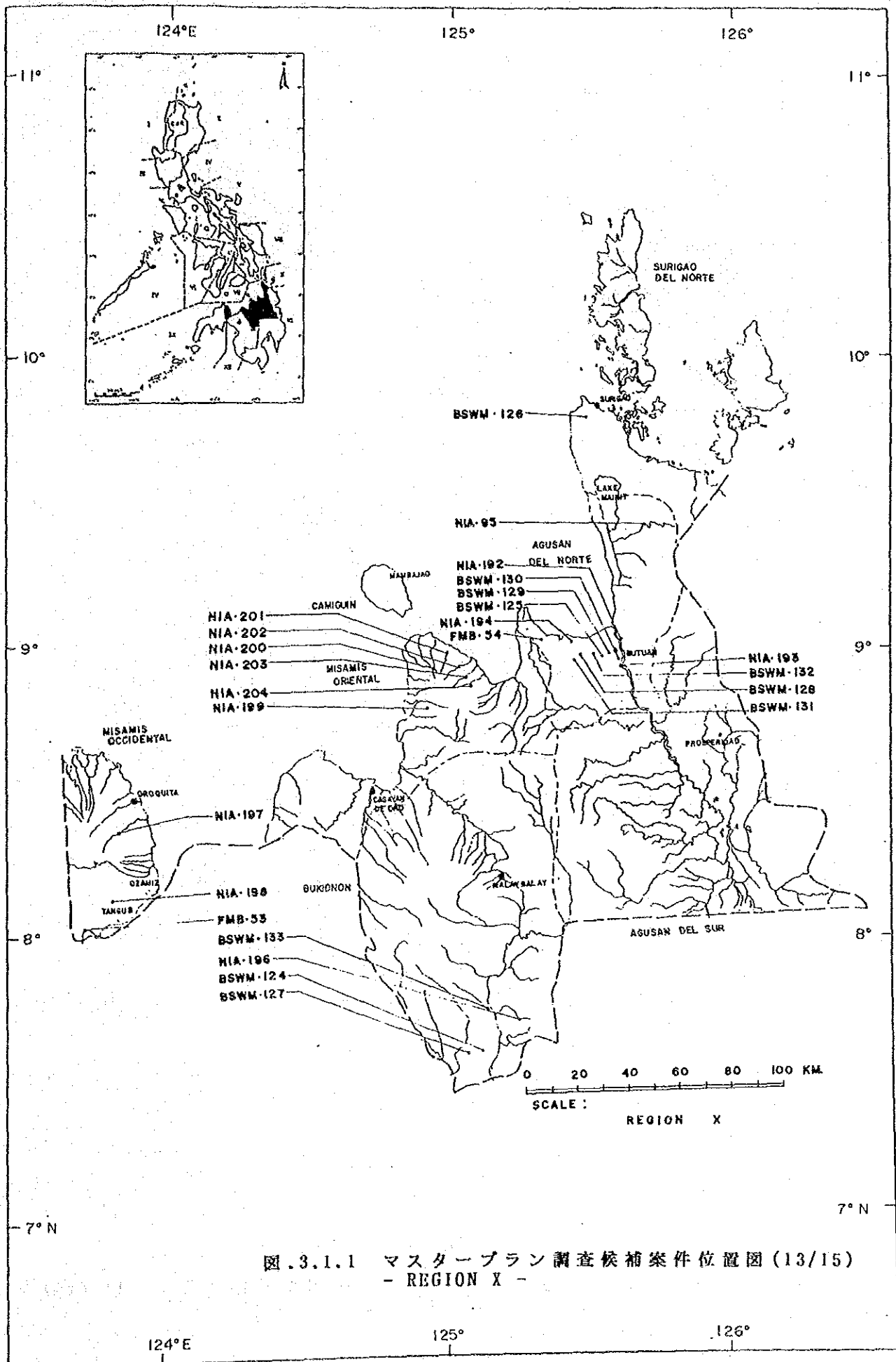


図.3.1.1 マスタープラン調査候補案件位置図 (13/15)
 - REGION X -

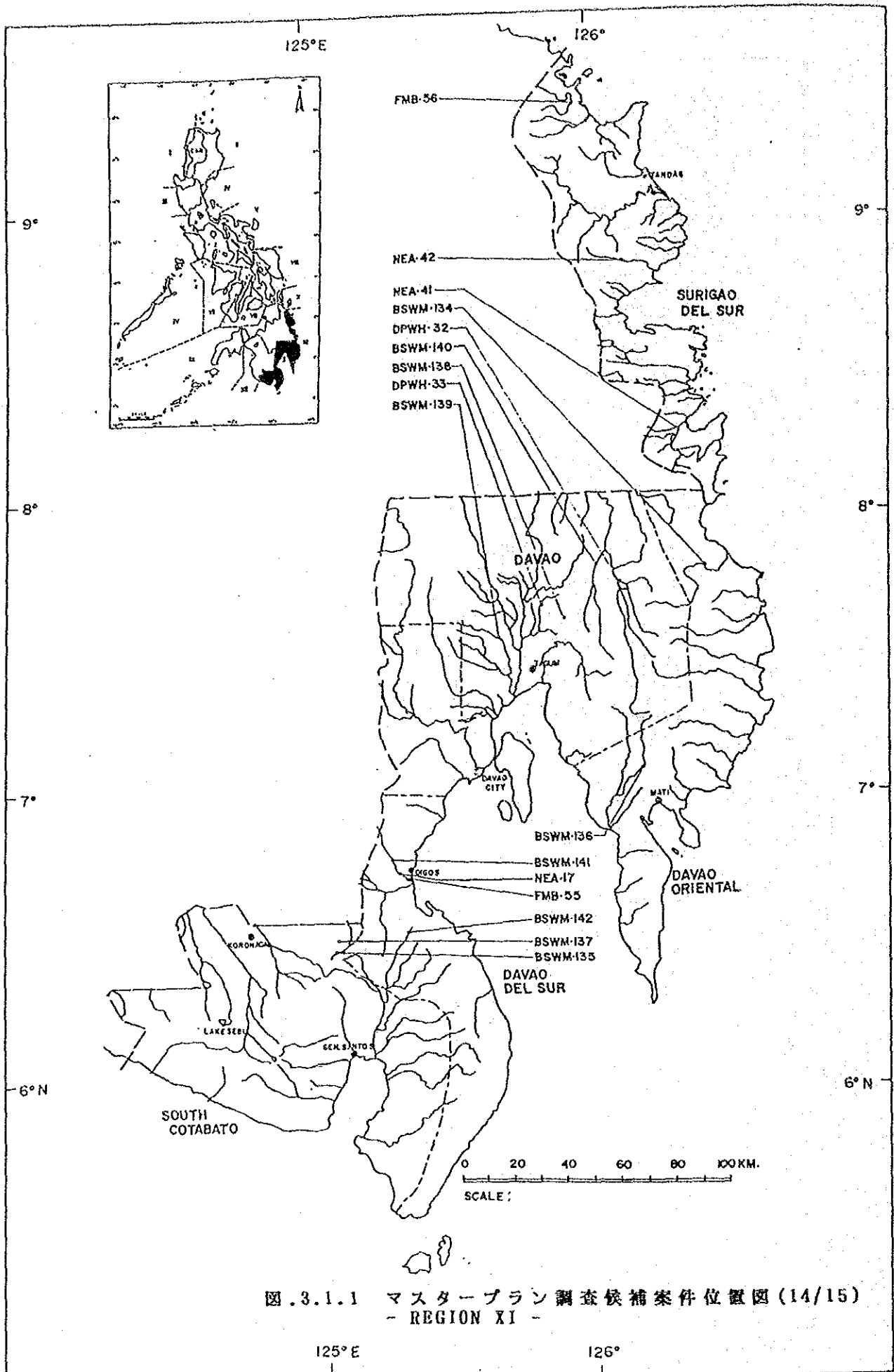


図.3.1.1 マスタープラン調査候補案件位置図(14/15)
- REGION XI -

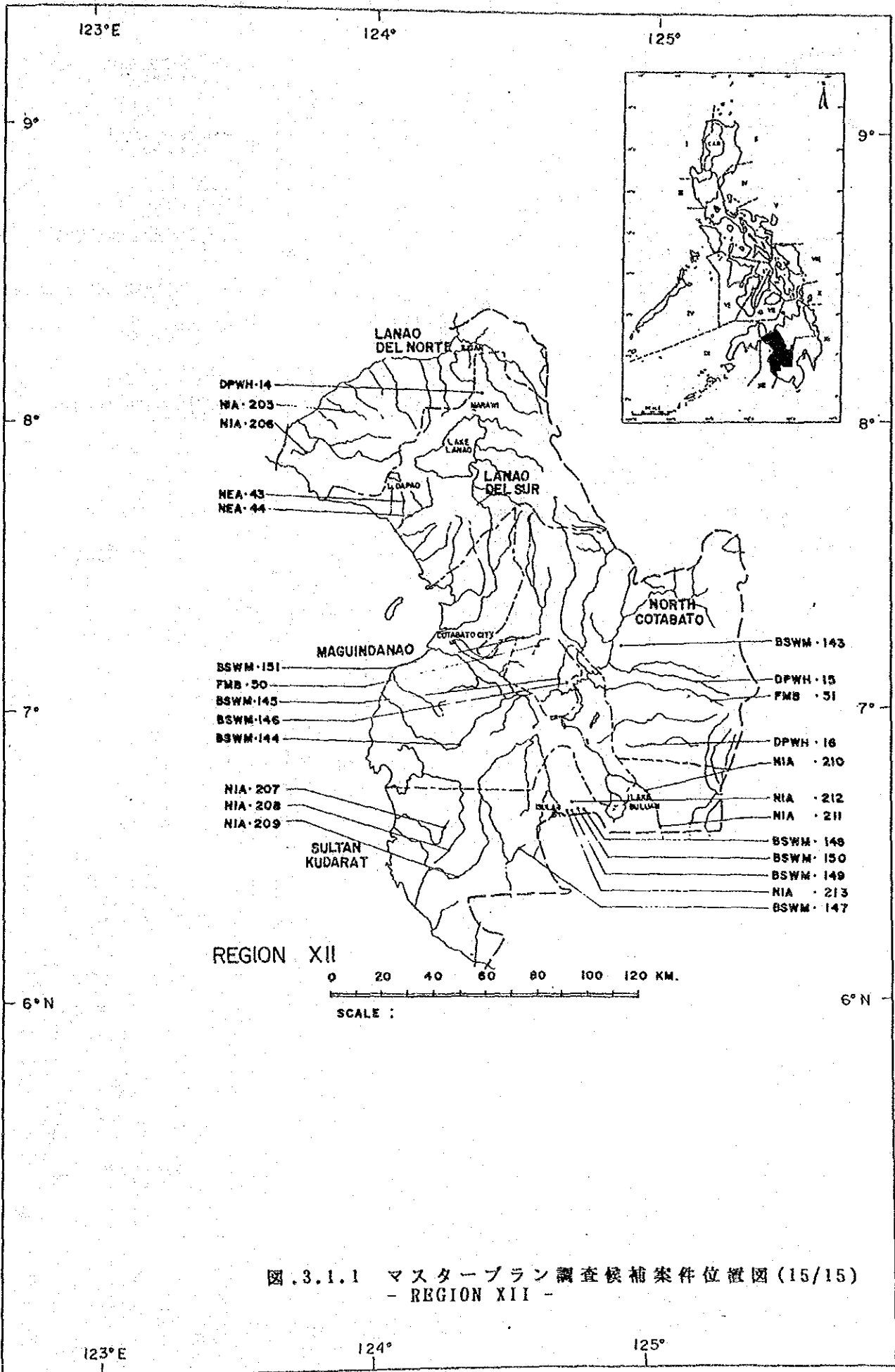


図.3.1.1 マスタープラン調査候補案件位置図(15/15)
- REGION XII -

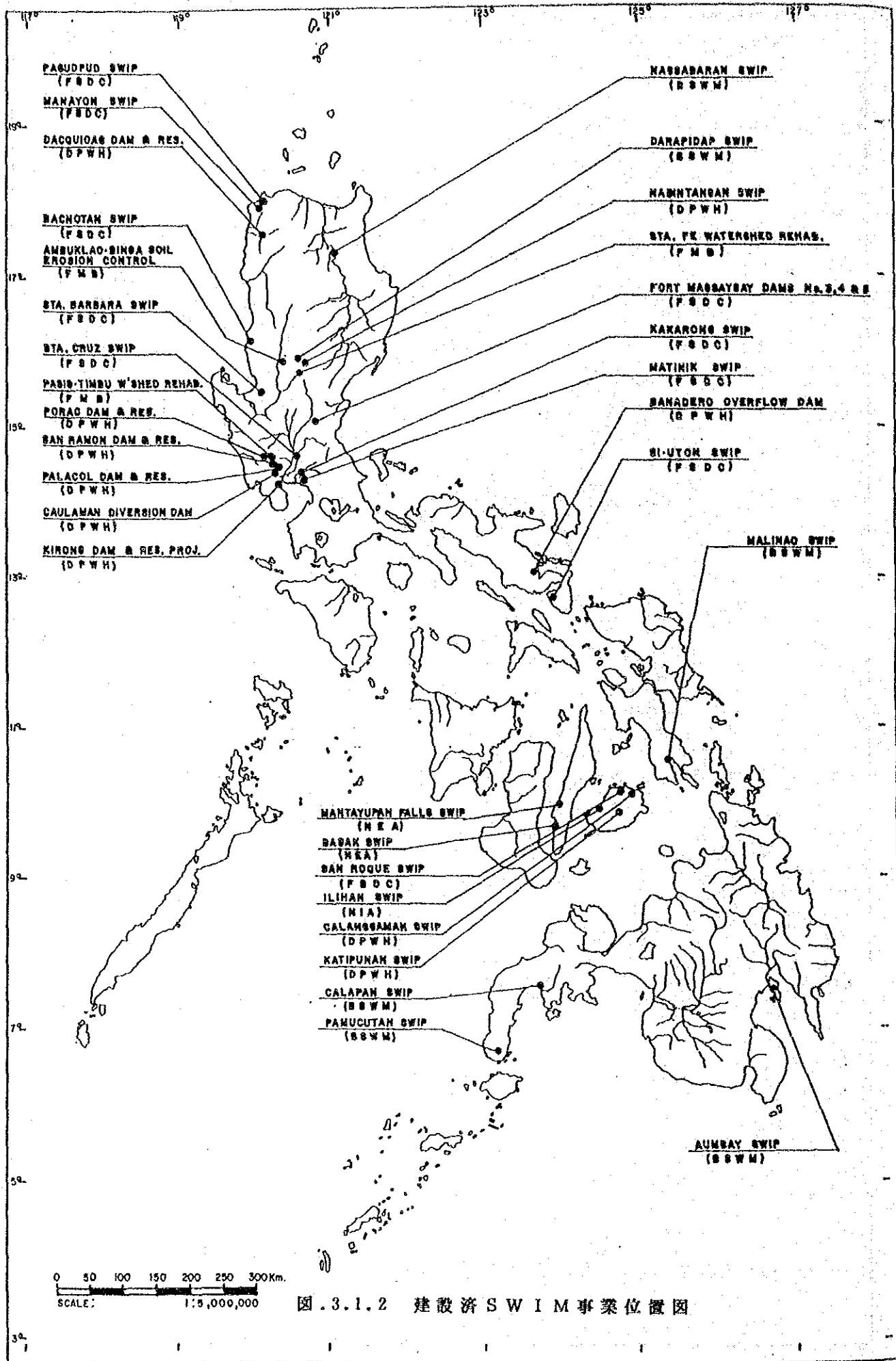


図. 3.1.2 建設済 SWIM 事業位置図