

# TABLES



Table 1.1 Gross Domestic Product (GDP) by Kind of Economic Activity, 1991-1994

	1991	(%)	1992	(%)	1993	(%)	1994	(%)	Annual Ave. Growth Rate 1991-93 (%)
<i>(At Current Prices)</i>									
GDP (in billion of Dong)	76,707	(100.0)	110,535	(100.0)	136,571	(100.0)	170,258	(100.0)	30.4
<b>1. Goods</b>									
Agriculture, forestry and fishery	31,058	(40.5)	37,513	(33.9)	40,796	(29.9)	48,865	(28.7)	16.3
Industry	15,193	(19.8)	23,956	(21.7)	29,371	(21.5)	37,535	(22.0)	35.2
Construction	3,059	(4.0)	6,179	(5.6)	10,101	(7.4)	12,946	(7.6)	61.8
<b>2. Services</b>									
Transport, postal service & telecommunication	2,860	(3.7)	4,662	(4.2)	6,036	(4.4)	6,924	(4.1)	34.3
Trade and material supply	9,742	(12.7)	15,281	(13.8)	17,549	(12.8)	23,072	(13.6)	33.3
Finance, banking and insurance	1,108	(1.4)	1,567	(1.4)	2,318	(1.7)	3,450	(2.0)	46.0
State management, science, education, health and sport	6,807	(8.9)	9,718	(8.8)	14,402	(10.5)	18,270	(10.7)	39.0
Housing, tourism, hotel and repairs of personal computer goods	6,880	(9.0)	11,659	(10.5)	15,998	(11.7)	19,196	(11.3)	40.8
<i>(At Constant 1989 Prices)</i>									
GDP (in billion of Dong)	31,286	(100.0)	33,991	(100.0)	36,735	(100.0)	39,982	(100.0)	8.5
<b>1. Goods</b>									
Agriculture, forestry and fishery	12,264	(39.2)	13,132	(38.6)	13,634	(37.1)	14,169	(35.4)	4.9
Industry	6,042	(19.3)	6,925	(20.4)	7,766	(21.1)	8,771	(21.9)	13.2
Construction	1,186	(3.8)	1,317	(3.9)	1,558	(4.2)	1,860	(4.7)	16.2
<b>2. Services</b>									
Transport, postal service & telecommunication	792	(2.5)	842	(2.5)	897	(2.4)	960	(2.4)	6.6
Trade and material supply	3,654	(11.7)	3,877	(11.4)	4,109	(11.2)	4,478	(11.2)	7.0
Finance, banking and insurance	448	(1.4)	496	(1.5)	578	(1.6)	710	(1.8)	16.6
State management, science, education, health and sport	2,841	(9.1)	3,040	(8.9)	3,322	(9.0)	3,760	(9.4)	9.8
Housing, tourism, hotel and repairs of personal computer goods	4,059	(13.0)	4,362	(12.8)	4,871	(13.3)	5,274	(13.2)	9.1
Growth Rate (%)	6.0	-	8.6	-	8.1	-	8.8	-	-

Source : Statistical Yearbook 1993, General Statistical Office

**Table 1.2 Data for GDP Growth Rate Projection (1/2)**

Case - 1 : Economic Growth Rates - Total Economy				Case - 2 : Forecast of GDP Growth Rates (%) to the year 2010			
Year	GDP - VND billion (At 1989 Constant Price)	Growth Rate Compared to the Previous Year (%)		Whole Country		SFEA *	
				Alternative I	Alternative II	Alternative I	Alternative II
1991	28,808	6.00	1991-2010	8.0%	9.0%	12.0 - 13.0%	14.0 - 15.0%
1992	31,286	8.60	1991 - 1995	8.0%	9.0%	10.0 - 11.0%	12.0 - 13.0%
1993	33,991	8.10	1996 - 2000	8.0%	9.0%	14.0 - 15.0%	17.0 - 19.0%
1994	36,735	8.50	2001 - 2005	8.0%	9.0%	12.0 - 13.0%	14.0 - 15.0%
1995	39,857	9.00	2006 - 2010	8.0%	9.0%	10.0 - 11.0%	12.0 - 13.0%
1996	43,445	9.00					
1997	47,355	9.00					
1998	51,853	9.50					
1999	56,779	9.50					
2000	62,457	10.00					
Average Annual Growth Rate 1991-2000				8.98			
				<b>% Changes by Sector</b>			
				Whole Country		SFEA *	
				1990	2000	1990	2000
Agriculture				39.1%	29.4%	15.2%	5.3%
Industry				14.0%	22.5%	32.5%	40.7%
Service				46.9%	48.1%	52.3%	54.0%
Total				100.0%	100.0%	100.0%	100.0%

Note : \* SFEA = Southern Focal Economic Area, which covers the whole Ho Chi Minh City and Ba Ria-Vung Tau province and parts of Dong Nai, Song Be, Tay Ninh, Long An and Binh Thuan provinces with a land area of 12,413 km<sup>2</sup> and a population of about 7.8 million.

Source : Document on the Development Orientation on the Southern Focal Focal Economic Area (SFEA)

Source : Statistical Data of Vietnam's Economy, 1993

**Table 1.2 Data for GDP Growth Rate Projection (2/2)**

**Case - 3 : Economic Groth Rates for "Total Economy"**

Sector	1990-91	1992-96	1997-2012	Average
<b>(Scenario 1 = Most probable forecast)</b>				
Agriculture	3.1%	4.3%	5.9%	5.4%
Construction	4.5%	7.4%	7.7%	7.4%
Industry	6.6%	6.7%	6.8%	6.8%
Trade / Other	4.9%	5.6%	6.4%	6.1%
Total Economy	4.4%	5.4%	6.4%	6.0%
<b>(Scenario 2 = More optimistic forecast)</b>				
Agriculture	3.1%	5.3%	6.0%	5.9%
Construction	4.5%	8.6%	8.6%	8.6%
Industry	6.6%	8.4%	8.5%	8.5%
Trade / Other	4.9%	7.5%	7.6%	7.6%
Total Economy	4.4%	6.8%	7.3%	7.2%

Source : Viet Nam- Energy Sector Investment and Policy Review, IBRD, 1993

**Case - 4 : Economic Groth Rates for Southern Region**

Sector	1990-91	1992-96	1997-2012	Average
<b>(Scenario 1 = Most probable forecast)</b>				
Agriculture	3.5%	4.5%	6.5%	-
Construction	4.6%	8.2%	7.9%	-
Industry	7.5%	7.5%	7.5%	-
Trade / Other	5.5%	6.0%	6.5%	-
Total Economy	5.0%	5.8%	6.8%	6.6%
<b>(Scenario 2 = More optimistic forecast)</b>				
Agriculture	3.5%	5.5%	6.5%	-
Construction	4.6%	9.5%	9.0%	-
Industry	7.5%	9.0%	9.0%	-
Trade / Other	5.5%	8.0%	8.0%	-
Total Economy	5.0%	7.3%	7.8%	7.7%

Source : Viet Nam- Energy Sector Investment and Policy Review, IBRD, 1993

Table 1.3 Labour Force in Viet Nam, 1985 - 1993

(Unit : thousands of persons)

Employment by sector / Year	1985 (%)	1990 (%)	1991 (%)	1992 (%)	1993 (%)
<b>Productive Sectors</b>					
Industry	24,252 (93.2)	28,329 (93.5)	28,973 (93.5)	29,783 (93.6)	30,622 (93.6)
Construction	2,800 (10.8)	3,392 (11.2)	3,394 (11.0)	3,450 (10.8)	3,522 (10.8)
Agriculture	832 (3.2)	818 (2.7)	820 (2.6)	825 (2.6)	848 (2.6)
Forestry	18,808 (72.3)	21,689 (71.6)	22,276 (71.9)	22,998 (72.3)	23,684 (72.4)
Transport	171 (0.7)	206 (0.7)	207 (0.7)	210 (0.7)	214 (0.7)
Postal service & telecommunication	444 (1.7)	476 (1.6)	480 (1.5)	484 (1.5)	496 (1.5)
Trade and material supply	36 (0.1)	38 (0.1)	47 (0.2)	51 (0.2)	51 (0.2)
Others	1,117 (4.3)	1,681 (5.5)	1,719 (5.5)	1,735 (5.5)	1,776 (5.4)
	45 (0.2)	30 (0.1)	30 (0.1)	30 (0.1)	31 (0.1)
<b>Non-Productive Sectors</b>					
Housing, public services and tourism	1,768 (6.8)	1,966 (6.5)	2,002 (6.5)	2,036 (6.4)	2,094 (6.4)
Science	227 (0.9)	295 (1.0)	296 (1.0)	301 (0.9)	322
Education and training	64 (0.2)	53 (0.2)	49 (0.2)	48 (0.2)	48 (0.1)
Culture and art	683 (2.6)	803 (2.6)	804 (2.6)	825 (2.6)	848 (2.6)
Health, social insurance and sport	40 (0.2)	45 (0.1)	46 (0.1)	46 (0.1)	46 (0.1)
Finance, banking and insurance	277 (1.1)	303 (1.0)	310 (1.0)	318 (1.0)	327 (1.0)
State management	75 (0.3)	91 (0.3)	118 (0.4)	114 (0.4)	117
Others	289 (1.1)	240 (0.8)	240 (0.8)	240 (0.8)	240
	113 (0.4)	136 (0.4)	139 (0.4)	143 (0.4)	146 (0.4)
<b>Total Employed Labour Force</b>	<b>26,020 (100.0)</b>	<b>30,295 (100.0)</b>	<b>30,974 (100.0)</b>	<b>31,819 (100.0)</b>	<b>32,716 (100.0)</b>
Percentage change	-	-	2.2	2.7	2.8
State sector	3,859 (100.0)	3,421 (100.0)	3,144 (100.0)	2,975 (100.0)	2,923 (100.0)
- Central government	1,625 (42.1)	1,343 (39.3)	1,296 (41.2)	1,242 (41.7)	-
- Local governments	2,234 (57.9)	2,078 (60.7)	1,848 (58.8)	1,733 (58.3)	-
- State enterprises	2,710 (70.2)	2,506 (73.2)	2,177 (69.2)	1,935 (64.4)	1,782 (61.0)

Source : Statistical Yearbook 1993, General Statistical Office

**Table 1.4 Domestic Revenues of the State Budget by Items**

(Unit : Billion VND)

	1990	1991	1992	1993	(%)
<b>Tax</b>	<b>4,870</b>	<b>8,573</b>	<b>15,610</b>	<b>25,094</b>	<b>(80.5)</b>
State enterprises	2,080	3,817	5,887	8,878	(28.5)
Joint venture - enterprises with foreign	1,091	1,942	4,242	5,104	(16.4)
Tax on industry and trade	667	941	1,821	2,942	(9.4)
Tax on agriculture	298	707	1,294	1,350	(4.3)
Tax on export and import	732	1,099	2,194	6,398	(20.5)
Tax on housing and land	2	5	18	241	(0.8)
Tax on income	0	62	154	181	(0.6)
<b>Fee and Others</b>	<b>1,036</b>	<b>1,271</b>	<b>2,905</b>	<b>4,138</b>	<b>(13.3)</b>
Of which :					
Fee on transportation	57	58	52	100	(0.3)
Fee	-	-	1,486	1,500	(4.8)
Lotto	184	269	412	612	(2.0)
<b>Depreciation</b>	<b>247</b>	<b>239</b>	<b>1,660</b>	<b>1,939</b>	<b>(6.2)</b>
<b>TOTAL</b>	<b>6,153</b>	<b>10,083</b>	<b>20,175</b>	<b>31,171</b>	<b>(100.0)</b>

Source : Statistical Yearbook 1994, General Statistical Office

Table 1.5 Electric Production in Viet Nam, 1986 & 1990-1992

Electricity	Year			Ann. Ave. Growth Rate (1986-1992)	
	1986	1990	1991		1992
Electric Power	5,683.0	8,789.9	9,306.8	9,818.5	9.5
- Central	5,612.0	8,772.0	9,285.1	9,797.0	9.7
Of which :					
Thermo Electricity	3,734.0	2,934.6	2,557.6	2,650.3	-5.6
Hydro Electricity	1,402.0	5,368.6	6,316.5	6,845.8	30.3
- Local	41.0	17.0	21.7	22.6	-9.5
Electric Power per Capita (kWh)	93.0	132.7	137.3	141.2	7.2

Source : Economy and Finance of Viet Nam, 1986-1992



Table 1.6 Human Development Indicators in Viet Nam (1/2)

Indicators	(Unit)	Year	Viet Nam	All Developing Countries
<b>Natural Resources Balance Sheet</b>				
Land area	(thousands of km <sup>2</sup> )	1993	332	78,110T
Population density	(people per km <sup>2</sup> )	1992	209	54
Arable land	(as % of land area)	1987-90	17.5	9.8
Pesticide consumption	(metric tons per 1,000 people)	1982-84	0.01	0.14
Forest area	(as % of land area)	1987-90	30	29
Annual rate of deforestation	(%)	1979-90	25	23
Irrigated land	(as % of arable land area)	1987-90	28	22
<b>Demographic Profile</b>				
Estimated population	(millions)	1960	34.7	2,070T
		1992	69.5	4,240T
		2000	81.5	4,930T
Annual population growth rate	(%)	1960-1992	2.2	2.2
		1992-2000	2.0	1.9
<b>Profile of Human Deprivation</b>				
People in absolute poverty				
- Total	(millions)	1992	37.6	1,300T
- Rural	( " )	"	33.4	1,000T
Refugees	(thousands)	"	16	19,000T
Without access to health services	(millions)	"	7.0	1,000T
Without access to safe water	( " )	"	51.1	1,300T
Without access to sanitation	( " )	"	57.4	1,900T
Illiterate adults [15+]	( " )	"	4.7	900T
Illiterate females [15+]	( " )	"	3.5	600T
Mal-nourished children under five	(thousands)	"	3,860	192,000T
Children dying before age five	( " )	"	101	12,200T
<b>Profile of Human Development</b>				
Life expectancy at birth	(years)	1992	63.4	63.0
Population with access to				
- Health services	(%)	1985-91	90	81
- Safe water	( " )	"	27	70
- Sanitation	( " )	"	18	56
Daily calorie supply	(as % of requirements)	1988-90	102	109
Adult literacy rate	(%)	1992	89	69
Enrolment ratio for all levels	(% age 6 - 23)	1990	52	46
Daily newspapers	(copies per 100 people)	"	0.9	4.4
Televisions	(per 100 people)	"	3.9	5.5
<b>Status of Women</b>				
Life expectancy at birth	(years)	1992	65.6	64.5
Average age at first marriage	( " )	1980-90	23.2	20.8
Literacy rate	(% of age 15 - 24)	1980-89	94	67
Parliament	(% of seats occupied by women)	1992	19	11
<b>Rural-Urban Gaps</b>				
Rural population	(as % of total)	1992	80	65
Population with access to services				
- Water : Rural	(%)	1988-91	21	62
Urban	( " )	"	47	85
- Sanitation : Rural	( " )	"	13	45
Urban	( " )	"	34	75

**Table 1.6 Human Development Indicators in Viet Nam (2/2)**

Indicators	(Unit)	Year	All Developing	
			Viet Nam	Countries
Rural-urban disparity	(100=rural-urban parity)			
- Water		1988-91	45	73
- Sanitation		"	38	60
- Child nutrition		"	94	87
<b>Health Profile</b>				
Population per doctor		1990	2,860	6,670
Population per nurse		"	580	3,390
Nurses per doctor		"	4.9	2.0
External aid flows to health	as % of total health expenditure	"	15.9	2.2
Public expenditure on health	(as % of GDP)	"	1.1	2.2
Total expenditure on health	(as % of GDP)	"	2.1	4.2
<b>Food Security</b>				
Food production per capita index	(1979-81 = 100)	1991	124	118
Daily calorie supply	(calorie)			
- Per capita	( " )	1988-90	2,220	2,480
- As % of requirements		"	102	109
Food import dependency ratio	(%)	"	1.8	10.5
Food aid	(US\$ millions)	1992	13.0	3,1301
<b>Communication Profile</b>				
Radios	(per 100 people)	1990	11	18
Televisions	(per 100 people)	"	3.9	5.5
Annual cinema attendances	(per person)	1988-91	3.8	3.0
Daily newspapers	(copies per 100 people)	1990	0.9	4.4
Printing and writing paper consumed	(metric tons per 1,000 people)	1990	1.1	4.0
Telephones	(per 100 people)	1990-92	0.3	3.1
<b>Employment</b>				
Labour force	(as % of total population)	1990-92	49	45
Women in labour force	(as % of total labour force)	"	47	35
Percentage of labour force in				
- Agriculture	(%)	"	67	58
- Industry	( " )	"	12	15
- Services	( " )	"	21	27
<b>Wealth, Poverty and Social Investment</b>				
Real GDP per capita	(PPP\$)	1991	1,250	2,730
People in absolute poverty				
- Total	(%)	1980-90	54	31
- Rural	( " )	"	60	37

Source : Human Development Report, 1994

Notes : T = Total

Indices remarkably or noticeably inferior to those of all developing countries' averages.

Favourable or advantageous indices compared to those of all developing countries' averages.

**Table 1.7 Provinces and Districts in the Study Area (1/2)**

Province	Provincial Capital	District	District Capital	Note
Tay Ninh	Tay Ninh	Tay Ninh	Tay Ninh	
		Hoa Thanh	Hoa Thanh	
		Trang Bang	Trang Bang	
		Go Dau	Go Dau	
		Ben Cau	Ben Cau	
		Chau Thanh	Chau Thanh	
		Duong Minh Chau	Duong Minh Chau	
		Tan Bien	Tan Bien	
		Tan Chau	Tan Chau	
		Song Be	Thu Dau Mot	Thu Dau Mot
Thuan An	Thuan An			
Tan Uyen	Tan Uyen			
Ben Cat	Ben Cat			
Dong Phu	Dong Phu			
Binh Long	Binh Long			
Phuoc Long	Phuoc Long			
Loc Ninh	Loc Ninh			
Bu Dang	Bu Dang			
Dac Lac	B. Ma Thuoc			Dak Nong
		Dak R'Lap	Dak R'Lap	
Lam Dong	Da Lat	Da Lat	Da Lat	
		Cat Tien	Cat Tien	
		Da Teh	Da Teh	
		Da Huoi	Da Huoi	
		Bao Lam	Bao Lam	
		Di Linh	Di Linh	
		Duc Trong	Duc Trong	
		Don Duong	Don Duong	
		Lac Duong	Lac Duong	74.0 1)
		Lam Ha	Lam Ha	
Ninh Thuan	Phan Rang	P. Rang-Tap Cham	Phan Rang	
		Ninh Son	Ninh Son	
		Ninh Hai	Ninh Chu	
Binh Thuan	Phan Thiet	Ninh Phuoc	Ninh Phuoc	
		Phan Thiet	Phan Thiet	
		Ham Tan	Lagi	
		Ham Thuan Nam	Tan Lap	
		Tanh Linh	Lac Tanh	
		Duc Linh	Vo Xu	
		Ham Thuan Bac	Ma Lam	
		Bac Binh	Bac Binh	
Tuy Phong	Lien Huong			
		Phu Quy	Phu Quy	

**Table 1.7 Provinces and Districts in the Study Area (2/2)**

Province	Provincial Capital	District	District Capital	Note		
Ba Ria-Vung Tau	Ba Ria	Ba Ria town and Vung Tau	Ba Ria			
		Long Dat	Long Dien			
		Xuyen Moc	Phuoc Buu			
		Tan Thanh	Phu My			
		Chau Duc	Ngai Giao			
		Dong Nai	Bien Hoa	Bien Hoa	Bien Hoa	
				Long Thanh	Long Thanh	
				Nhon Trach	Nhon Trach	
				Thong Nhat	Thong Nhat	
				Xuan Loc	Gia Ray	
Long Khanh	Xuan Loc					
Vinh Cuu	Vinh An					
Tan Phu	Tan Phu					
Dinh Quan	Dinh Quan					
Ho Chi Minh City	Ho Chi Minh City			I	(urban district)	
		II	( ditto )			
		IV	( ditto )			
		V	( ditto )			
		VI	( ditto )			
		VIII	( ditto )			
		X	( ditto )			
		XI	( ditto )			
		Go Vap	( ditto )			
		Binh Thanh	( ditto )			
		Tan Binh	( ditto )			
		Phu Nhyan	( ditto )			
		Thu Duc	Thu Duc			
		Binh Chanh	Binh Chanh			
		Nha Be	Nha Be			
		Hoc Mon	Hoc Mon			
		Cu Chi	Cu Chi			
		Can Gio	Can Gio			
		Long An	Tan An	Can Duoc	Can Duoc	
				Tran Tru	Tran Tru	
Can Giuoc	Can Giuoc					
Ben Luc	Ben Luc					
Duc Hoa	Duc Hoa					
Duc Hue	Duc Hue					
Thu Thua	Thu Thua			89.4 1)		
Thanh Hoa	Thanh Hoa			24.2 1)		
Moc Hoa	Moc Hoa			54.2 1)		

Note: 1) Areal occupying rate of the district in the Study Area by percent

Table 1.8 Area, Population and Administrative Unit in the Study Area in the Year 1994

Region / Provinces & City	Land Area (Sq. km)	Population in 1994		Pop. Density (pers./sq.km) in 1994		Population by Urban and Rural in 1993		Administrative Unit (No.)				
		(%)	Total	(%)	Urban	(%)	Rural	Towns & Cities under Provinces	Rural Districts	Towns under Districts & Precincts	Communes	
(North Mountain and Midland) (Red River Delta)	102,961 12,510	(31.1) (3.8)	12,387,900 14,065,400	(17.3) (19.7)	120.3 1,124.3	1,583,000 2,388,000	(13.1) (17.3)	10,540,400 11,435,600	22 18	121 58	243 239	2,625 1,700
0. Ha Noi (Capital) (North Central Coast)	921 51,174	(0.3) (15.5)	2,194,400 9,726,600	(3.1) (13.6)	2,383.7 190.1	1,106,800 943,900	(51.2) (9.9)	1,054,000 8,561,100	4 10	5 65	95 144	129 1,620
(South Central Coast)	45,192	(13.6)	7,557,600	(10.6)	167.2	7,694,400	(23.0)	5,685,100	(9)	(59)	(138)	(816)
1. Ninh Thuan	3,427	(7.1)	459,300	(3.9)	134.0	77,900	(17.3)	371,100	1	3	10	42
2. Binh Thuan	7,992	(16.5)	882,700	(7.6)	110.4	202,500	(23.6)	655,900	1	8	13	96
(Central Highlands)	56,119	(115.8)	2,998,700	(4.2)	53.4	668,200	(22.9)	2,248,800	(4)	(41)	(65)	(461)
3. Dac Lac*	3,841	(7.9)	234,837	(2.0)	61.1	37,966	(16.7)	190,025	1	16	18	159
4. Lam Dong**	7,518	(15.5)	569,134	(4.9)	75.7	186,776	(33.7)	367,632	1	9	23	99
(North East South)	23,467	(7.1)	8,878,000	(12.4)	378.3	4,020,700	(46.2)	4,681,900	(17)	(32)	(239)	(434)
5. Ho Chi Minh City	2,090	(4.3)	4,391,900	(37.6)	2,101	3,200,500	(74.0)	1,122,000	12	6	157	95
6. Song Be	9,519	(19.6)	1,113,800	(9.5)	117.0	53,900	(5.0)	1,094,600	1	8	4	151
7. Tay Ninh	4,029	(8.3)	888,100	(7.6)	220.4	103,100	(11.9)	765,500	1	8	5	75
8. Dong Nai	5,864	(12.1)	1,813,400	(15.5)	309.2	443,100	(25.1)	1,323,000	2	6	26	94
9. Ba Ria-Vung Tau (Mekong River Delta)	1,965 39,588	(4.1) (71.9)	670,800 75,850,600	(5.8) (22.2)	341.4 400.6	220,500 2,364,800	(33.5) (15.2)	436,600 13,764,900	1 (15)	4 (89)	14 (190)	39 (1718)
10. Long An***	2,225	(4.6)	642,122	(5.5)	288.5	79,412	(12.6)	543,910	1	13	20	158
Study Area	48,471	(100.0)	13,665,593	(100.0)	240.7	4,605,254	(40.3)	6,815,465	22	83	323	988
% in Whole Country	14.6	-	16.3	-	-	33.7	-	12.1	-	23.2	25.7	11.3
Viet Nam	331,114	(100.0)	71,464,800	(100.0)	214.0	13,647,300	(19.5)	56,290,400	95	465	1258	8,774

Source : Statistical Yearbook 1994, General Statistical Office

\* In Dac Lac Province, the Study Area covers 19.4% of its total land area and population.

\*\* In Lam Dong Province, the Study Area occupies 74.0% of its total land area and population.

\*\*\* In Long An Province, 51.3% of the total land and population belongs to the Study Area.

**Table 1.9 Basic Data on Population Projection for the Study Area**

Region / Province & City	Population ( Census )		Population in 1992		Population by Urban and Rural in 1993		Annual Average Growth Rate (%) <sup>a</sup>					Estimated Population <sup>b</sup>						
	1979	1989	Total	(%)	Urban	Rural	1979-89	1989-99	1991-2000	2000-2005	2005-2010	2010-2015	1995	2000	2005	2010	2015	
(South Central Coast)																		
1-2. Thuan Hai	917,308 (315,005)	1,169,213 (601,509)	449,100	(3.9)	77,900 (17.3)	371,200 (82.7)	2.46	2.84	2.84	2.84	2.44	2.23	2.00	478,708	546,387	616,380	688,240	759,873
1. Ninh Thuan	(602,303)	(767,704)	858,700	(7.5)	202,400 (23.6)	656,300 (76.4)	2.46	2.84	2.84	2.44	2.23	2.00	2.00	915,313	1,044,717	1,178,546	1,315,947	1,452,912
(Central Highlands)																		
3. Dac Lac <sup>**</sup>	93,534	139,238	227,620	(2.0)	38,451 (16.9)	189,169 (83.1)	7.30	4.72	2.84	2.44	2.23	2.00	2.00	242,627	276,929	312,404	348,825	385,131
4. Lam Dong <sup>**</sup>	287,309	473,026	549,746	(4.8)	187,072 (34.0)	362,674 (66.0)	5.11	3.83	2.84	2.44	2.23	2.00	2.00	585,990	668,836	754,514	842,479	930,165
(North East South)																		
5. Ho Chi Minh City	3,292,146	3,924,435	4,322,300	(7.9)	3,198,500 (74.0)	1,123,800 (26.0)	1.77	2.44	2.84	2.44	2.23	2.00	2.00	4,607,262	5,258,625	5,932,258	6,623,871	7,312,289
6. Song Be	650,496	937,666	1,081,700	(9.5)	50,600 (4.7)	1,031,100 (95.3)	3.72	3.64	2.84	2.44	2.23	2.00	1,153,015	1,316,025	1,494,609	1,657,692	1,830,226	
7. Tay Ninh	675,555	792,885	868,900	(7.6)	98,200 (11.3)	770,700 (88.7)	1.61	2.32	2.84	2.44	2.23	2.00	926,185	1,057,127	1,192,545	1,331,578	1,470,170	
8. Dong Nai	1,291,940	2,006,837	1,762,900	(15.5)	440,500 (25.0)	1,322,400 (75.0)	4.50	-3.19	2.84	2.44	2.23	2.00	1,879,125	2,144,791	2,419,540	2,701,622	2,982,809	
9. Ba Ria-Vung Tau (Vung Tau - Con Dao)	(91,610)	(135,054)	657,100	(5.8)	220,300 (33.5)	436,800 (66.5)	5.96	8.52	2.84	2.44	2.23	2.00	700,472	799,445	901,855	1,006,998	1,111,807	
10. Long An <sup>***</sup> (Mekong River Delta)	486,940	574,665	628,322	(5.5)	79,412 (12.6)	548,910 (87.4)	1.67	2.26	2.84	2.44	2.23	2.00	669,747	764,434	862,358	962,896	1,063,115	
Study Area	7,787,838 (14.8)	10,293,019 (15.8)	11,406,389 (16.3)	(10.0)	4,593,335 (33.7)	6,813,053 (59.7)	2.74	2.85	2.68	2.44	2.23	2.00	12,158,393 (16.4)	13,877,216 (16.7)	15,655,049 (17.1)	17,489,149 (17.6)	19,299,496 (18.0)	
% to the National Total					13,647,300 (19.5)	56,290,400 (80.5)	2.01	2.09	2.30	1.90	1.70	1.50	74,285,245 (83,230,160)	91,443,249 (99,484,727)	107,173,305 (118.0)			
Vietnam	52,741,766	64,575,762	69,937,700															

Sources : Statistical Yearbook 1993, General Statistical Office;  
 Viet Nam - Population, Health and Nutrition Sector Review, 1994 and  
 Vietnam - Energy Sector Investment and Policy Review, IDRD, 1993.  
 Note : <sup>a</sup> In Dac Lac Province, the Study Area covers 19.4% of its total land area and population.  
<sup>\*\*</sup> In Lam Dong Province, 74.0% of the total land and population belongs to the Study Area.  
<sup>\*\*\*</sup> In Long An Province, 51.3% of the total land and population belongs to the Study Area.  
 Figures in shade indicate that the present Ba Ria-Vung Tau Province was established integrating Vung Tau-Con Dao city and one part of Dong Nai Province.

**Table 1.10 Major Agricultural Products in the Study Area by Province,  
1986 & 1989-1992 (1/4)**

Provinces & City / Major Products	(Unit)	Production					Ave. Yield 1989-92
		1986	1989	1990	1991	1992	
<b>1. Ninh Thuan</b>							
<b>Crops</b>	(thous. tons)						(quintal/ha)
Rice	"	87.9	89.5	100.4	104.9	111.1	38.6
Other cereals	"	8.0	7.5	7.8	7.2	7.0	-
Cotton	"	0.4	0.1	0.3	0.4	0.8	6.8
Sugar cane	"	23.0	29.0	25.7	18.3	16.5	340.7
Tobacco	"	3.8	2.4	2.1	3.6	4.2	22.8
<b>Livestock</b>							
Buffaloes	(thous. heads)	10.1	9.4	10.4	10.6	10.8	-
Cattle	"	50.3	53.7	54.3	58.3	60.6	-
Pig (over 2 months)	"	32.0	31.2	33.1	37.5	52.5	-
Meat live weight of all kinds	(thous. tons)	2.0	2.6	2.9	3.4	3.9	-
- Of which : Pig meat	"	1.3	1.8	2.0	2.2	2.6	-
<b>2. Binh Thuan</b>							
<b>Crops</b>	(thous. tons)						(quintal/ha)
Rice	"	152.9	169.7	159.3	176.9	173.4	30.3
Other cereals	"	44.6	37.0	34.6	37.1	37.1	-
Peanut	"	2.1	2.5	2.5	2.3	2.2	6.4
Sugar cane	"	56.0	33.5	25.6	47.6	61.4	356.7
Tobacco	"	0.9	1.3	0.5	0.9	0.9	12.1
<b>Livestock</b>							
Buffaloes	(thous. heads)	16.0	18.2	17.5	17.7	19.4	-
Cattle	"	67.9	77.9	67.8	68.5	76.3	-
Pig (over 2 months)	"	60.1	69.0	72.1	83.1	114.7	-
Meat live weight of all kinds	(thous. tons)	5.2	6.5	7.3	10.3	12.3	-
- Of which : Pig meat	"	3.2	4.2	4.5	5.1	6.0	-
<b>3. Dac Lac</b>							
<b>Crops</b>	(thous. tons)						(quintal/ha)
Rice	"	132.7	173.5	171.2	193.7	195.8	28.2
Other cereals	"	69.9	70.6	80.2	77.9	79.8	-
Soybean	"	3.7	4.9	5.2	4.8	5.6	9.7
Peanut	"	11.1	9.2	10.3	10.8	11.9	10.0
Sugar cane	"	77.6	78.7	83.0	85.2	115.2	415.0
Coffee	"	36.5	80.3	134.3	160.1	227.3	411.8
Rubber	"	6.5	6.2	7.5	9.6	8.3	-
<b>Livestock</b>							
Buffaloes	(thous. heads)	16.4	18.9	19.1	19.3	19.5	-
Cattle	"	85.0	107.9	105.3	114.3	118.7	-
Pig (over 2 months)	"	194.6	224.1	227.5	236.3	283.3	-
Meat live weight of all kinds	(thous. tons)	3.9	7.7	7.8	13.5	16.3	-
- Of which : Pig meat	"	3.6	6.2	6.2	9.2	11.0	-

**Table 1.10 Major Agricultural Products in the Study Area by Province, 1986 & 1989-1992 (2/4)**

Provinces & City / Major Products	(Unit)	Production					Ave. Yield 1989-92
		1986	1989	1990	1991	1992	
<b>4. Lam Dong</b>							
<b>Crops</b>	(thous. tons)						(quintal/ha)
Rice	"	68.7	79.0	70.9	84.3	84.4	24.3
Other cereals	"	58.3	49.6	40.4	39.4	44.6	-
Sugar cane	"	44.4	90.0	83.3	79.9	95.8	392.7
Coffee	"	9.9	4.5	7.9	9.9	9.3	-
Mulberry	"	6.9	17.9	29.4	41.4	58.3	54.6
<b>Livestock</b>							
Buffaloes	(thous. heads)	16.9	19.4	20.4	20.9	21.1	-
Cattle	"	35.9	44.8	39.1	32.4	37.2	-
Pig (over 2 months)	"	87.6	102.8	100.8	99.1	128.9	-
Meat live weight of all kinds	(thous. tons)	6.0	6.7	7.8	7.2	8.7	-
- Of which : Pig meat	"	5.0	5.4	6.4	6.3	6.9	-
<b>5. Ho Chi Minh City</b>							
<b>Crops</b>	(thous. tons)						(quintal/ha)
Rice	"	239.3	255.9	237.2	247.2	207.2	29.6
Other cereals	"	9.7	5.7	5.6	4.6	4.7	-
Peanut	"	9.4	10.5	10.0	12.7	16.8	20.1
Tobacco	"	1.5	1.3	1.4	1.7	1.7	17.8
Sugar cane	"	244.9	222.6	206.1	257.6	290.0	455.4
<b>Livestock</b>							
Buffaloes	(thous. heads)	32.9	33.1	32.5	32.1	30.9	-
Cattle	"	48.8	45.0	45.0	43.0	39.8	-
Pig (over 2 months)	"	227.1	182.0	157.4	151.4	170.6	-
Meat live weight of all kinds	(thous. tons)	23.0	22.4	21.9	21.0	29.3	-
- Of which : Pig meat	"	19.1	18.7	18.5	18.0	18.9	-
<b>6. Song Be</b>							
<b>Crops</b>	(thous. tons)						(quintal/ha)
Rice	"	114.9	120.8	108.5	112.3	121.5	19.7
Other cereals	"	51.2	26.0	23.0	32.3	29.9	-
Peanut	"	14.7	13.7	12.5	13.1	13.1	8.8
Coffee	"	1.2	1.8	1.6	1.3	1.2	-
Rubber	"	17.0	17.3	20.4	24.0	29.6	-
Cashew nuts	"	1.8	5.1	6.7	8.7	9.9	-
<b>Livestock</b>							
Buffaloes	(thous. heads)	38.8	38.0	32.3	32.9	31.7	-
Cattle	"	53.0	58.3	53.4	52.3	50.3	-
Pig (over 2 months)	"	80.4	105.3	103.6	100.9	114.0	-
Meat live weight of all kinds	(thous. tons)	8.7	12.1	13.6	13.5	13.8	-
- Of which : Pig meat	"	5.5	7.2	8.2	8.2	7.8	-



**Table 1.10 Major Agricultural Products in the Study Area by Province, 1986 & 1989-1992 (3/4)**

Provinces & City / Major Products	(Unit)	Production					Ave. Yield 1989-92
		1986	1989	1990	1991	1992	
<b>7. Tay Ninh</b>							
<b>Crops</b>	(thous. tons)						(quintal/ha)
Rice	"	198.6	213.5	217.0	235.7	201.1	23.3
Other cereals	"	40.7	26.0	13.3	29.4	28.8	-
Sugar cane	"	265.4	383.7	331.1	444.2	509.6	431.0
Peanut	"	24.2	26.7	33.0	51.3	58.0	16.1
Rubber	"	9.2	11.5	3.7	4.5	4.9	-
Pepper	"	0.2	0.1	0.2	0.2	0.2	-
Tobacco	"	0.2	0.2	0.1	0.2	0.3	9.4
<b>Livestock</b>							
Buffaloes	(thous. heads)	60.1	64.3	55.3	55.6	56.7	-
Cattle	"	52.1	57.2	48.6	49.2	52.6	-
Pig (over 2 months)	"	65.8	74.4	58.3	61.6	65.7	-
Meat live weight of all kinds	(thous. tons)	4.5	5.2	5.2	5.5	6.7	-
- Of which : Pig meat	"	2.5	2.9	2.9	3.1	4.9	-
<b>8. Dong Nai</b>							
<b>Crops</b>	(thous. tons)						(quintal/ha)
Rice	"	253.7	244.1	225.0	179.2	161.2	28.9
Other cereals	"	210.5	161.8	144.0	106.7	117.3	-
Soybean	"	22.8	19.4	14.4	18.5	16.7	6.1
Peanut	"	10.7	8.7	6.8	2.4	3.3	7.9
Sugar cane	"	355.7	391.4	456.5	285.5	258.8	407.0
Tobacco	"	2.9	2.4	3.8	6.4	4.8	4.6
Cotton	"	0.1	0.3	0.4	4.1	7.1	7.4
Coffee	"	1.0	-	21.5	22.5	22.0	-
Rubber	"	22.6	22.5	26.7	27.3	28.0	-
<b>Livestock</b>							
Buffaloes	(thous. heads)	15.6	17.4	17.8	17.5	16.0	-
Cattle	"	70.0	71.9	66.6	61.7	39.0	-
Pig (over 2 months)	"	185.3	222.1	191.2	223.9	166.0	-
Meat live weight of all kinds	(thous. tons)	24.6	27.9	28.0	36.1	28.4	-
- Of which : Pig meat	"	17.7	18.1	17.0	25.6	21.8	-
<b>9. Ba Ria - vung Tau</b>							
<b>Crops</b>	(thous. tons)						(quintal/ha)*
Rice	"	1.8	1.7	1.7	58.2	53.5	26.8
Other cereals	"	0.6	0.4	0.4	51.1	49.1	-
Soybean	"	-	-	-	0.6	0.5	7.7
Peanut	"	0.1	0	0	4	3.3	10.9
<b>Livestock</b>							
Buffaloes	(thous. heads)	0.5	0.5	0.5	2.2	2.2	-
Cattle	"	1.5	1.5	1.7	23	23	-

**Table 1.10 Major Agricultural Products in the Study Area by Province,  
1986 & 1989-1992 (4/4)**

Provinces & City / Major Products	(Unit)	Production					Ave. Yield 1989-92
		1986	1989	1990	1991	1992	
Pig (over 2 months)	"	6.6	6.4	4.9	55.1	55.2	-
Meat live weight of all kinds	(thous. tons)	1.0	1.5	1.4	7.9	8.2	-
- Of which : Pig meat	"	0.9	0.9	0.8	4	4.2	-
<b>10. Long An</b>							
<b>Crops</b>	(thous. tons)						(quintal/ha)
Rice	"	697.2	882.4	833.9	974.8	837.2	29.3
Other cereals	"	10.8	8.2	7.7	5.2	6.4	-
Jute	"	2.0	1.5	0.5	0.7	3.4	14.1
Rush	"	1.8	2.6	1.7	1.7	2.2	42.1
Peanut	"	14.0	14.5	18.9	20.3	18.3	17.1
Sugar cane	"	221.4	328.7	343.7	418	432.8	408.3
<b>Livestock</b>							
Buffaloes	(thous. heads)	63.2	60.1	51	45.6	36.5	-
Cattle	"	37.5	36.6	26.2	23.8	20.2	-
Pig (over 2 months)	"	129.8	149.6	137.9	121.7	177.6	-
Meat live weight of all kinds	(thous. tons)	29.2	31.1	22.3	17.3	22.7	-
- Of which : Pig meat	"	13.2	16.7	16.3	13	17.7	-

Source : Economy and Finance of Viet Nam, 1986 - 1992

Note : \* For Ba Ria-Vung Tau, the average yield is for two years : 1991 & 1992.

Table 1.11 Major Socio-Economic Indicators in the Study Area, 1986-1992 (1/3)

Unit	Provincial City in the Study Area										Total	% to Country	
	Country	Ninh Thuan	Hinh Hoi	Da Nang	Hu Chi Minh	Kontum	Tay Ninh	Dong Nai	Ba Ria-Vung Tau	Long An			
<b>1. Summary Data</b>													
Number of population	(thous. pers.)												
• 1986		370.0	717.0	131.6	368.1	3,595.0	800.4	756.0	1,769.0	107.6	547.9	9,182.7	-
• 1989		365.2	766.7	184.9	473.0	3,934.3	939.0	791.8	2,005.6	136.3	575.1	10,214.9	15.8
• 1990		394.1	808.9	194.1	495.4	4,004.9	978.1	811.1	1,831.9	594.3	590.5	10,508.3	15.9
• 1991		401.1	823.4	208.5	515.0	4,076.0	1,021.7	836.3	1,675.9	611.2	602.8	10,771.9	15.9
• 1992		456.8	847.0	218.6	534.5	4,181.6	1,057.4	848.5	1,721.6	636.4	614.6	11,077.0	16.0
Percentage distribution in 1992	(%)	3.9	7.6	2.0	4.8	77.7	9.5	7.6	15.5	5.7	5.5	100.0	-
Number of persons of working age	(thous. pers.)												
• 1986		172.4	334.1	58.0	204.3	2,012.0	365.0	364.0	840.0	53.8	256.0	4,639.6	-
• 1989		181.8	365.7	84.0	252.3	2,134.0	466.0	383.0	1,027.0	62.2	281.6	5,237.7	-
• 1990		186.9	374.0	87.1	262.0	2,155.0	496.0	393.0	984.0	271.6	285.7	5,495.3	-
• 1991		196.9	384.0	91.3	268.8	2,341.0	519.0	466.0	1,001.0	279.6	296.0	5,783.7	-
• 1992		203.9	395.0	96.1	276.2	2,623.0	540.0	410.0	1,008.0	289.0	305.7	6,197.0	-
Percentage distribution in 1992	(%)	3.3	6.4	1.6	4.5	43.1	8.7	6.6	16.3	4.7	4.9	100.0	-
Social labour force	(thous. pers.)												
• 1986		136.2	293.9	58.0	163.6	1,594.0	344.0	324.0	799.0	46.2	238.0	3,496.9	14.6
• 1989		143.6	321.8	67.7	189.6	1,698.0	377.0	366.0	966.0	55.1	273.9	4,398.3	-
• 1990		147.7	324.7	70.2	233.0	1,735.0	390.0	368.0	882.0	51.2	275.5	4,681.3	15.5
• 1991		152.6	334.8	72.8	244.3	1,775.0	420.0	372.0	768.0	26.1	281.1	4,678.8	15.1
• 1992		171.2	342.0	75.8	257.4	1,785.0	460.0	376.0	781.0	268.4	287.3	4,804.0	15.1
Percentage distribution in 1992	(%)	3.6	7.1	1.6	5.4	37.2	9.6	7.8	16.3	5.6	6.0	100.0	-
<b>2. Agriculture</b>													
Area of land used for agriculture	(thous. ha)												
• 1986		41.7	88.2	29.6	44.9	95.2	139.3	216.2	267.9	3.9	99.9	1,024.8	-
• 1989		41.7	88.2	35.2	59.7	88.4	139.3	216.2	344.4	3.9	110.5	1,127.5	-
• 1990		41.7	88.2	32.2	60.5	87.9	202.0	201.8	227.9	4.8	108.2	1,055.3	-
• 1991		41.7	88.2	33.8	61.9	87.6	202.0	205.8	227.9	80.1	108.2	1,137.2	-
• 1992		41.7	88.2	33.8	63.0	84.5	202.0	205.8	235.5	80.1	121.6	1,336.2	-
Percentage distribution in 1992	(%)	3.6	7.6	2.9	5.4	7.3	17.5	17.8	20.4	6.9	10.5	100.0	-
Cultivated land	(thous. ha)												
• 1986		37.8	78.9	16.7	44.4	83.7	83.6	180.6	179.4	1.9	96.5	803.6	-
• 1989		37.8	78.9	19.0	54.1	81.0	83.6	180.6	181.6	1.9	107.3	825.8	-
• 1990		37.8	78.9	14.8	60.0	80.5	88.5	157.7	138.2	1.9	105.0	763.3	-
• 1991		37.8	78.9	16.2	61.3	80.1	88.5	173.8	138.2	43.7	105.0	823.5	-
• 1992		37.8	78.9	16.2	62.3	78.3	88.5	173.8	144.5	43.7	118.4	842.4	-
Percentage distribution in 1992	(%)	4.5	9.4	1.9	7.4	9.3	10.5	20.6	17.2	5.2	14.1	100.0	-

Table 1.11 Major Socio-Economic Indicators in the Study Area, 1986-1992 (2/3)

Unit	Provinces/City in the Study Area										% to Country	
	Country	Yam Thuan	Yam Thuan	Das Liep	Lam Dong	Ho Chi Minh	Song Be	Tay Ninh	Dong Nai	Phu Tho-Vung Tho		Long An
<b>3. Industry</b>												
Gross production of the agriculture (at constant price of 1989)												
• 1986	54,672	129,026	40,087	60,715	254,996	225,789	203,379	627,089	9,183	208,234	1,481,219.5	-
• 1989	64,728	130,782	42,412	94,910	294,025	247,762	227,245	647,698	8,818	243,380	2,005,759.4	-
• 1990	14,919,339.2	67,338	131,375	57,418	97,251	257,672	228,973	654,175	7,848	231,716	2,032,024.1	13.6
• 1991	15,358,792.1	65,627	149,992	65,195	99,950	314,864	271,502	579,920	104,440	259,657	2,159,859.8	14.1
• 1992	16,837,300.0	78,464	102,993	78,049	101,095	334,016	276,872	673,707	107,208	279,131	2,369,574.6	14.2
Percentage distribution in 1992 (%)	3.3	6.9	3.3	4.3	14.1	11.8	11.7	28.4	4.5	11.8	100.0	-
Gross production of the industry (at constant price of 1989)												
• 1986	8,652	33,154	10,553	49,499	3,597,673	78,763	43,890	499,607	461,462	69,256	50,741	-
• 1989	14,011,000.0	51,370	196,723	10,080	45,970	3,931,916	81,943	46,966	487,554	1,505,169	101,288	46.1
• 1990	15,471,100.0	51,994	196,959	9,797	51,609	4,368,740	109,958	50,404	571,950	2,298,201	105,266	50.5
• 1992	17,834,300.0	57,970	199,775	9,692	70,079	5,094,551	115,410	51,362	825,363	3,032,248	94,687	53.5
Percentage distribution in 1992 (%)	0.6	2.1	0.1	0.7	53.4	1.7	0.5	8.7	31.6	1.0	100.0	-
<b>4. Foreign Trade</b>												
Value of exports (mill. Ruble & Dollar)												
• 1986	789.0	-	-	1.5	3.5	116.0	4.1	2.5	9.4	22.1	7.9	-
• 1989	1,946.0	-	-	2.7	6.4	290.2	8.8	7.6	41.2	34.5	18.3	-
• 1990	2,404.0	3.4	7.5	3.0	5.4	372.0	8.0	6.4	30.3	29.2	28.0	20.5
• 1991	2,087.0	3.4	7.4	3.7	14.1	357.6	18.4	7.0	20.3	29.1	14.2	22.3
• 1992	2,571.0	4.0	9.0	2.4	9.0	407.0	25.2	4.0	27.6	53.7	14.2	21.6
Value of imports (mill. Ruble & Dollar)												
• 1986	2,155.1	-	-	1.9	3.7	90.3	5.1	2.5	11.9	20.7	9.5	-
• 1989	2,565.4	-	-	1.4	0.6	217.7	6.4	4.0	39.4	42.5	17.9	-
• 1990	2,732.4	-	-	1.0	0.4	306.4	4.8	6.5	18.6	18.6	22.5	-
• 1991	2,274.2	-	-	1.2	0.3	379.8	36.6	0.8	30.3	16.4	10.5	-
• 1992	2,500.0	-	-	0.9	-	539.1	42.3	2.7	26.6	63.3	16.5	-
Balances (mill. Ruble & Dollar)												
• 1986	-1,366.1	-	-	-0.5	-0.4	25.7	-1.0	0.0	-2.5	1.4	-1.6	-
• 1989	-619.8	-	-	1.3	5.8	72.5	2.4	3.6	1.8	-4.0	0.4	-
• 1990	-348.4	-	-	2.0	5.0	65.6	3.2	-0.1	11.7	10.6	5.5	-
• 1991	-187.2	-	-	2.6	13.8	22.2	-18.2	6.2	-9.8	1.7	3.6	-
• 1992	650.0	-	-	1.6	-	352.1	-17.1	1.3	1.0	-9.6	-2.4	-

Table 1.11 Major Socio-Economic Indicators in the Study Area, 1986-1992 (3/3)

Unit	Country		Provinces/ City in the Study Area										% to Country	
	Total		Ninh Thuan	Binh Thuan	Dac Lac*	Lam Dong**	Ho Chi Minh	Southern	Tay Ninh	Dong Nai	Da Nang/Tau	Long An***	Total	Total
5. Construction														
State investment (million dong)														
1986	30,833.6		292		74	591	644	249	261	670	123	153		
1989	1,919,767.0		21,526		1,852	18,287	39,365	7,792	9,751	27,579	10,050	4,787		
1990	2,703,698.0		11,814	16,092	2,185	23,544	58,103	42,338	39,373	43,653	22,496	13,159	272,756.3	10.1
1991	4,503,941.0		38,746	19,780	6,823	34,170	163,247	78,523	42,659	44,215	34,560	17,755	520,477.9	11.6
1992	7,566,452.0		46,630	33,521	12,393	41,438	239,321	234,789	59,463	71,900	36,900	22,508	861,863.6	11.4
Percentage distribution in 1992 (%)			5.4	3.9	1.4	4.8	27.8	27.2	6.0	12.3	6.6	2.6	100.0	

Source: Economy and Finance of Viet Nam, 1986 - 1992

- \* In Dac Lac Province, the Study Area covers 19.4% of its total land area and population.
- \*\* In Lam Dong Province, the Study Area occupies 74.0% of its total land area and population.
- \*\*\* In Long An Province, 51.3% of the total land and population belongs to the Study Area.

**Table 1.12 Gross Output of Food (Paddy Equivalent), Sown Area & Per Capita Gross Output by Province, 1990-1994**  
(At Constant Price of 1989)

Region/ Province & City	Gross Outputs (Thousand tons)					Sown Area of Food (Thousand ha)					Per Capita Gross Output (kg)				
	1990	1991	1992	1993	1994 (% in 1994)	1990	1991	1992	1993	1994 (% in 1994)	1990	1991	1992	1993	1994 (% in 1994)
(South Central Coast)															
1. Ninh Thuan	108.2	112.1	118.2	117.8	127.9 (5.4)	32.4	34.4	35.5	38.6	43.8 (5.4)	279.5	270.6	262.4	262.4	(73.1)
2. Binh Thuan	193.9	214.0	210.5	233.4	234.9 (9.9)	74.3	77.5	78.3	82.4	73.3 (9.0)	256.4	252.2	271.9	271.9	(75.7)
(Central Highlands)															
3. Dac Lac **	48.8	52.7	53.5	55.3	55.5 (2.3)	17.8	18.1	19.4	20.4	20.0 (2.5)	233.4	244.5	242.4	242.4	(67.5)
4. Lam Dong **	82.4	91.5	95.5	99.4	102.3 (4.3)	24.6	38.9	40.5	40.0	38.5 (4.7)	178.5	178.5	179.3	179.3	(49.9)
(North East South)															
5. Ho Chi Minh City	242.8	251.8	211.9	251.4	248.3 (10.5)	81.5	83.6	82.6	82.5	81.2 (10.0)	60.6	50.6	58.2	58.2	(16.2)
6. Song Be	131.5	144.6	151.4	160.6	132.1 (5.6)	63.4	71.9	73.3	77.2	76.4 (9.4)	142.2	143.1	147.5	147.5	(41.1)
7. Tay Ninh	230.3	265.1	229.9	294.5	390.5 (16.5)	97.7	92.1	112.2	117.0	141.7 (17.4)	283.9	320.6	339.0	339.0	(94.4)
8. Dong Nai	369.0	285.9	278.5	339.7	439.4 (18.6)	143.7	106.7	109.7	112.2	127.8 (15.7)	176.4	161.7	161.7	161.7	(52.2)
9. Ba Ria-Vung Tau	2.1	109.3	102.6	89.4	117.4 (5.0)	1.2	40.9	39.8	41.7	44.1 (5.4)	15.7	178.8	161.2	135.9	(37.9)
(Mekong River Delta)															
10. Long An ***	431.7	502.7	432.8	478.1	514.5 (21.8)	151.1	162.0	171.4	163.6	166.7 (20.5)	731.0	832.6	703.9	760.9	(211.9)
Study Area	1,840.7	2,029.8	1,884.7	2,119.6	2,362.9 (100.0)	697.7	726.1	762.7	775.6	813.5 (100.0)	229.4	267.7	243.7	258.5	(72.0)
% to Whole Country	8.6	9.2	7.8	8.3	9.0	9.8	9.7	9.9	9.9	10.4	-	-	-	-	-
Viet Nam	21,483.5	21,989.5	24,214.6	25,501.7	26,198.5	7,110.9	7,448.0	7,707.4	7,796.7	7,809.0	324.4	324.9	348.9	359.0	(100.0)

Source: Statistical Yearbook 1994, General Statistical Office

Notes: \*\* For Dac Lac Province, 19.4% of the total gross output is counted.

\*\*\* For Lam Dong Province, 7.4% of the total gross output is counted.

\*\*\* For Long An Province, 51.3% of the total gross output is counted.

Table 1.13 Aquaculture Activities and Production in the Study Area\* in the Year 1993

Region / Provinces & City	Water Surface for Aquaculture		Gross Prod. (1989 Constant)		Aquaculture Production	
	(Hectares)	(%)	(Billion Dong)	(%)	(Thous. Tons)	(%)
<i>(South Central Coast)</i>						
1. Ninh Thuan	350	(0.6)	17.2	(9.1)	14.4	8.6
2. Binh Thuan	200	(0.4)	74.2	(39.3)	78.0	46.7
<i>(Central Highlands)</i>						
3. Dac Lac **	563	(1.0)	-	-	-	-
4. Lam Dong	-	-	-	-	-	-
<i>(North East South)</i>						
5. Ho Chi Minh City	3,800	(6.9)	-	-	-	-
6. Song Be	-	-	-	-	-	-
7. Tay Ninh	14,000	(25.3)	-	-	-	-
8. Dong Nai	35,500	(64.3)	-	-	-	-
9. Ba Ria-Vung Tau	-	-	97.4	(51.6)	74.5	44.6
<i>(Mekong River Delta)</i>						
10. Long An ***	821	(1.5)	-	-	-	-
<b>Study Area</b>	<b>55,233</b>	<b>(100.0)</b>	<b>188.8</b>	<b>(100.0)</b>	<b>166.9</b>	<b>100.0</b>
% to Whole Country	15.9	-	11.1	-	15.2	-
<i>Viet Nam</i>	<i>347,000</i>	<i>-</i>	<i>1,700.0</i>	<i>-</i>	<i>1,100.0</i>	<i>-</i>

Notes: \* By pivotal provinces

\*\* Dac Lac = 19.4% of its total area

\*\*\* Long an = 51.3% of its total area

Source: Statistical Data of Vietnam's Economy, 1993

Table 1.14 Land Use in the Study Area, 1993

(Unit : Thousand ha)

Region / Provinces & City	Total		Agriculture		Forestry		Special		Homestead		Waste	
	Land Area	(%)	Land	(%)	Land	(%)	Used Land	(%)	Land	(%)	Land	(%)
<i>(South Central Coast)</i>												
1. Ninh Thuan	342.7	(100.0)	35.1	(10.2)	181.5	(53.0)	6.0	(1.8)	4.3	(1.3)	115.8	(33.8)
2. Binh Thuan	799.2	(100.0)	88.5	(11.1)	435.6	(54.5)	6.2	(0.8)	11.2	(1.4)	257.6	(32.2)
<i>(Central Highlands)</i>												
3. Dac Lac *	384.1	(100.0)	34.9	(9.1)	245.9	(64.0)	2.9	(0.8)	6.3	(1.6)	94.1	(24.5)
4. Lam Dong**	752.8	(100.0)	76.2	(10.1)	417.5	(55.5)	8.1	(1.1)	5.6	(0.7)	245.4	(32.6)
<i>(North East South)</i>												
5. Ho Chi Minh City	209.0	(100.0)	92.1	(44.1)	24.3	(11.6)	12.8	(6.1)	24.9	(11.9)	54.9	(26.3)
6. Song Be	951.9	(100.0)	287.5	(30.2)	249.6	(26.2)	40.2	(4.2)	41.2	(4.3)	333.4	(35.0)
7. Tay Ninh	403.1	(100.0)	208.0	(51.6)	43.2	(10.7)	29.7	(7.4)	30.2	(7.5)	92.0	(22.8)
8. Dong Nai	586.4	(100.0)	258.8	(44.1)	151.1	(25.8)	57.6	(9.8)	18.4	(3.1)	100.5	(17.1)
9. Ba Ria-Vung Tau	196.5	(100.0)	90.9	(46.3)	59.4	(30.2)	6.6	(3.4)	11.5	(5.9)	28.1	(14.3)
<i>(Mekong River Delta)</i>												
10. Long An ***	222.5	(100.0)	121.6	(54.7)	24.5	(11.0)	8.0	(3.6)	18.6	(8.3)	49.9	(22.4)
Study Area	4,848.5	(100.0)	1,293.7	(26.7)	1,832.6	(37.8)	178.1	(3.7)	172.1	(3.5)	1,371.6	(28.3)
% to Whole Country	14.6	-	17.6	-	19.0	-	15.9	-	22.2	-	9.6	-
Viet Nam	33,099.1	(100.0)	7,348	(22.2)	9,641	(29.1)	1,118	(3.4)	774	(2.3)	14,218	(43.0)

Source : Statistical Yearbook 1994, General Statistical Office

Notes : \* In Dac Lac Province, the study area is presumed to cover only 19.4% of its total land area and population.

\*\* In Lam Dong Province, the study area occupies 74% of its total land area and population.

\*\*\* In Long An Province, 51.3% of the total land and population is assumed to belong to the study area.



**Table 1.15 Main Industrial Products in the Study Area by Province,  
1986 & 1989-1992 (1/2)**

Provinces & City / Main Products	(Unit)	Production				
		1986	1989	1990	1991	1992
<b>1. Ninh Thuan</b>						
Sea products	(tons)	-	7,747	10,950	11,098	11,343
Bricks	(mill. pieces)	-	-	27.4	28.2	24.0
Salt	(tons)	-	-	59,352	55,112	63,000
Fish sauce	(thous. liters)	-	-	3,269	1,748	3,630
Cement	(tons)	-	-	-	-	11,400
Milling rice, maize	(thous. tons)	-	-	-	-	28,770
<b>2. Binh Thuan</b>						
Ships, boats, ocean liners	(piece)	-	-	210	255	794
Bricks	(mill. pieces)	-	-	46.6	48.1	47.5
Tiles	(thous. pieces)	-	-	12,823	8,405	4,760
Round wood	(thous. m3)	-	-	6.5	6.2	29.3
Sea products	(tons)	-	-	75,216	73,040	75,739
Salt	(tons)	-	-	16,648	16,888	22,025
Fish sauce	(thous. liters)	-	-	15,269	15,252	13,891
Sugar	(tons)	-	-	3,235	3,169	1,435
<b>3. Dac Lac</b>						
Latex of rubber	(tons)	1,827	1,894	1,997	2,064	-
Floor wood	(m3)	7,600	1,921	1,943	2,117	-
Wood for building	(thous. m3)	21.9	8.7	9.5	18.2	23.2
Exploited stone	(thous. m3)	80.0	80.2	66.2	71.5	50.2
Tires for bicycle	(thous. pieces)	28.5	10.2	9.6	9.2	5.5
Bricks	(mill. pieces)	37.5	42.8	44.8	51.8	47.3
Peanut oil	(tons)	739	436	537	112	65
<b>4. Lam Dong</b>						
Sawed wood	(thous. tons)	17.0	10.4	22.1	32.3	41.3
Resin	(tons)	502	267	71	324	305
Pine oil	(tons)	101	46	10	56	65
Paper powder	(tons)	264	683	38	231	535
Processed tea	(tons)	4,041	2,935	3,678	3,966	3,180
Medicine (pill)	(thous. pills)	44,084	1,650	662	10,100	13,964
Medicine (pipe)	(thous. pipes)	8,001	1,079	3,221	2,700	1,965
<b>5. Ho Chi Minh City</b>						
Bicycles	(thous. pieces)	105	48	14	-	-
Electric fans	(thous. pieces)	119	57	95	24	30
Plastic products	(tons)	16,468	3,658	5,417	-	-
Sewing machine	(piece)	3,016	1,048	725	-	-
Sawed wood	(m3)	9,300	7,348	22,780	59,960	60,000
Frozen fish, shrimp	(tons)	5,258	5,000	16,806	19,216	30,347
Fish sauce	(thous. liters)	17,630	17,681	18,012	18,585	14,618
Bulbs	(thous. pieces)	2,843	4,221	4,870	4,997	4,500
Cigarettes	(mill. packets)	547	639	690	740	910

**Table 1.15 Main Industrial Products in the Study Area by Province,  
1986 & 1989-1992 (2/2)**

Provinces & City / Main Products	(Unit)	Production				
		1986	1989	1990	1991	1992
<b>6. Song Be</b>						
Bricks	(thous. pieces)	47,137	58,096	61,162	89,080	136,656
Tiles	(thous. pieces)	3,196	3,725	3,129	4,391	3,022
Porcelain products	(mill. pieces)	92.1	78.9	109.4	107.3	103.1
Fish sauce	(thous. liters)	-	238	240	302	151
Plywood for export	(thous. m2)	-	1,120	1,184	794	-
<b>7. Tay Ninh</b>						
Sugar	(tons)	15,016	2,100	1,967	1,935	-
Tires for bicycle	(thous. pieces)	102	56	44	85	-
Tubes for bicycle	(thous. pieces)	218	231	566	989	-
Bricks	(thous. pieces)	34,000	30,000	21,705	17,773	-
Tiles	(thous. pieces)	11,000	3,000	2,473	5,658	-
Exploited stones	(m3)	39,000	52,000	22,007	4,254	-
Pills	(thous. pieces)	-	-	7,344	10,530	-
<b>8. Dong Nai</b>						
Exploited stone	(thous. m3)	296	304	257	111	214
Cement	(tons)	8,000	6,946	5,900	6,536	6,110
Fish sauce	(thous. liters)	2,150	1,201	1,960	172	250
Sea products	(thous. tons)	16.9	23.4	25.2	0.8	0.9
Salt	(thous. tons)	34.0	14.5	35.0	-	-
Sugar	(thous. tons)	25.3	4.2	5.0	2.3	2.6
Fabric	(thous. m)	4,075	3,772	710	1,273	893
<b>9. Ba Ria - vung Tau</b>						
Sea fish	(thous. tons)	24.5	33.2	26.5	51.6	72.3
Salt	(tons)	6,556	5,780	5,400	28,700	44,500
Fish sauce	(thous. liters)	1,621	2,200	2,060	4,404	4,022
Crude oil	(mill. tons)	-	-	2.7	3.9	5.5
Ships, ocean liners	(piece/CV)	-	-	3	4	6
<b>10. Long An</b>						
Fish sauce	(thous. liters)	3,936	3,424	2,629	2,168	2,289
Sugar	(thous. tons)	10	32	17	21	22
Fabrics	(thous. m)	6,672	20,102	23,190	16,122	18,644
Farming implement	(thous. pieces)	400	232	309	302	210
Bricks	(thous. pieces)	16,279	19,452	4,000	3,300	5,500

Source : Economy and Finance of Viet Nam, 1986 - 1992

**Table 1.16 Major Export Products in the Study Area by Province,  
1986 & 1989-1992 (1/2)**

Provinces & City	(Unit)	Production				
		1986	1989	1990	1991	1992
<b>1. Ninh Thuan</b>						
Value of exports (mill. Ruble & Dollar)		-	-	3.4	3.4	4.0
Major products for export						
Frozen sea products	(tons)	-	-	168.0	170.0	419.5
Dried cuttle fish	(tons)	-	-	42	30	-
Cuttle fish filet	(tons)	-	-	-	15	303
<b>2. Binh Thuan</b>						
Value of exports (mill. Ruble & Dollar)		-	-	7.5	7.4	9.0
Major products for export						
Frozen cuttle fish	(tons)	-	-	450	333	550
Frozen shrimps	(tons)	-	-	75.0	57.0	65.0
Frozen fish	(tons)	-	-	156	120	80
Other frozen sea products	(tons)	-	-	230	166	20
Dried cuttle fish	(tos)	-	-	-	-	91.3
<b>3. Dac Lac</b>						
Value of exports (mill. Ruble & Dollar)		7.6	14.0	15.4	19.3	12.6
Major products for export						
Coffee	(tons)	2,685	8,823	14,119	14,361	19,823
Rubber	(tons)	504	49	108	1,851	20
Sawed wood	(thous. m3)	-	-	-	24.9	12.0
Pepper	(tons)	34	57	164	-	126
Tram wood	(tons)	-	-	-	7,639	2,564
<b>4. Lam Dong</b>						
Value for exports (mill. Ruble & Dollar)		4.4	8.6	7.3	19.1	12.2
Major products for export						
Tea	(tons)	2,050	2,500	3,500	3,599	3,601
Coffee	(tons)	1,014	2,734	400	2,300	3,426
Worm silk	(tons)	5	12	225	45	3.4
Beans	(tons)	3,289	404	588	-	-
Sawed wood	(thous. m3)	-	-	3.1	21.0	7.1
Pine wood	(thous. m3)	1.8	1.2	-	2.0	-
Tin	(tons)	-	-	-	150	2,498
<b>5. Ho Chi Minh City</b>						
Value of exports (mill. Ruble & Dollar)		116.0	290.2	372.0	357.6	407.0
Major products for export						
Rice	(tons)	66.5	229.9	280.9	117.8	334.2
Shelled groundnut	(thous. tons)	6.7	-	12.3	24.2	19.1
Pepper	(tons)	984	3,291	9,117	6,846	7,803
Coffee	(tons)	5,500	14,286	18,316	30,013	26,644
Frozen meat	(tons)	-	-	7,821	13,100	2,701
Frozen shrimps	(tons)	4,800	4,903	9,068	8,507	9,842
Round wood	(thous. m3)	-	53.7	173.7	282.4	147.6
Maize	(tons)	-	37,772	4,596	29,925	26,986

**Table 1.16 Major Export Products in the Study Area by Province, 1986 & 1989-1992 (2/2)**

Provinces & City	(Unit)	Production				
		1986	1989	1990	1991	1992
<b>6. Song Be</b>						
Value of exports (mill. Ruble & Dollar)		4.1	8.8	8.0	18.4	25.2
Major products for export						
Rubber	(tons)	-	-	201	2,086	5,478
Pepper	(tons)	259	213	80	620	376
Coffee	(tons)	469	91	100	100	-
Round wood	(thous. m3)	-	-	14.5	36.0	22.6
Sawed wood	(thous. m3)	-	-	1	21	4
Cashew nut	(tons)	-	1,587	1,752	2,191	1,967
Rattan & bamboo products	(thous. USD)	-	-	27	200	380
Fine arts products	(thous. USD)	-	-	347	926	2,150
<b>7. Tay Ninh</b>						
Value of exports (mill. Ruble & dollar)		2.5	7.6	6.4	7.0	4.0
Major products for export						
Rice	(tons)	-	-	7,550	2,145	709
Soybean	(tons)	1,642	1,084	-	1,210	62
Shelled groundnut	(tons)	1,200	1,810	3,200	1,360	3,965
Pepper	(tons)	30	-	415	-	200
Cashew nut	(tons)	-	-	-	450	612
<b>8. Dong Nai</b>						
Value of exports (mill. Ruble & Dollar)		9.4	41.2	30.3	20.5	27.6
Major products for export						
Utensils of wood	(thous. USD)	-	-	-	5,465	3,672
Shelled groundnut	(tons)	69	525	2,720	86	360
Rubber	(tons)	-	784	1,873	2,985	10,465
Pottery	(thous. USD)	-	-	-	1,232	2,529
Sandal & shoes	(thous. USD)	-	-	-	-	516
Coffee	(tons)	1,050	3,508	10,370	5,621	3,156
Cashew nut	(tons)	333	509	514	2,609	-
<b>9. Ba Ria - yung Tau</b>						
Value of exports (mill. Ruble & Dollar)		22.1	38.5	29.2	20.1	53.7
Major products for export						
Beans	(tons)	4,215	2,468	1,400	1,782	1,369
Frozen shrimps	(tons)	524	163	341	851	150
Frozen cuttle fish	(tons)	5	10	195	1,301	750
Frozen fish	(tons)	-	-	122	220	700
<b>10. Long An</b>						
Value of exports (mill. Ruble & Dollar)		15.4	35.7	54.6	27.6	27.7
Major products for export						
Rice	(tons)	67.0	86.2	83.2	54.1	100.1
Shelled groundnut	(tons)	4,900	1,700	443	-	129
Cashew nut	(tons)	-	-	184	220	406
Feather	(tons)	841	210	1,777	958	714
Frozen shrimp	(tons)	822	3,725	5,206	815	140
Pumice lacquer	(thous. USD)	-	-	18.0	7.1	-

Source : Economy and Finance of Viet Nam, 1986 - 1992

Table 1.17 Population and GDP by Province in the Study Area, 1992-1993

Region / Province	Population (in millions)		GDP (at 1989 price) (in million dong)		Per capita GDP (in thousand dong)		Growth Rates (%)		
	1992	1993	1992	1993	1992	1993	Population	GDP	
							Per capita GDP	Per capita GDP	
(North Mountain and Midland)	11.832	12.179	3,928,292	4,049,122	332	332	2.9	3.1	0.1
(Red River Delta)	13.518	13.809	5,920,116	6,192,451	438	448	2.2	4.6	2.4
0. Ha Noi (Capital)	2.106	2.155	1,981,972	2,085,792	941	968	2.3	5.2	2.8
(North Central Coast)	9.287	9.517	2,577,586	2,642,118	278	278	2.5	2.5	0.0
(South Central Coast)	7.193	7.375	2,298,291	2,442,598	320	331	2.5	6.3	3.7
1. Ninh Thuan	0.438	0.449	112,521	122,342	257	272	2.5	8.7	6.1
2. Binh Thuan	0.830	0.859	213,705	218,107	257	254	3.5	2.1	-1.4
(Central Highlands)	2.805	2.904	993,073	1,105,666	354	381	3.5	11.3	7.5
3. Dac Lac*	0.218	0.228	88,786	103,357	406	454	4.2	16.4	11.7
4. Lam Dong**	0.539	0.550	207,850	218,307	385	397	1.9	5.0	3.1
(North East South)	8.406	8.693	8,418,456	9,714,407	1,001	1,117	3.4	15.4	11.6
5. Ho Chi Minh City	4.145	4.322	4,921,037	5,715,958	1,187	1,323	4.3	16.2	11.4
6. Song Be	1.046	1.082	399,436	431,391	382	399	3.4	8.0	4.4
7. Tay Ninh	0.856	0.869	325,003	360,618	380	415	1.5	11.0	9.3
8. Dong Nai	1.721	1.763	1,003,902	1,118,928	583	635	2.4	11.5	8.8
9. Ba Ria-Vung Tau	0.637	0.657	1,769,078	2,087,512	2,777	3,177	3.1	18.0	14.4
(Mekong River Delta)	15.221	15.532	6,874,700	7,330,639	452	472	2.0	6.6	4.5
10. Long An***	0.614	0.628	266,863	301,498	435	480	2.3	13.0	10.4
<b>Study Area</b>	<b>11.045</b>	<b>11.407</b>	<b>9,308,181</b>	<b>10,678,018</b>	<b>843</b>	<b>936</b>	<b>3.3</b>	<b>14.7</b>	<b>11.1</b>
(% to National Total)	(16.2)	(16.3)	(30.0)	(31.9)	(185.5)	(195.8)	(128.0)	(185.0)	(210.6)
Vietnam	68.261	70.008	31,010,514	53,477,001	454	478	2.6	8.0	5.3

Notes \* In Dac Lac Province, the Study Area covers 19.4% of its total land area and population.

\*\* In Lam Dong Province, the Study Area occupies 74.0% of its total land area and population.

\*\*\* In Long An Province, 51.3% of the total land and population belongs to the Study Area.

Source: Viet Nam - Poverty Assessment and Strategy, World Bank, January 1995

Table 1.18 Gross Output of Local Industry by Province, 1990-1993  
(At Constant Price of 1989)

Region/ Provinces & City	Gross Outputs				State Industry				Non-State Industry			
	1990	1991	1992	1993	1990	1991	1992	1993	1990	1991	1992	1993
				% in			% in				% in	
(South Central Coast)												
1. Ninh Thuan	40.3	41.6	46.3	48.9	(1.3)	17.3	18.4	(1.3)	23.0	23.9	27.9	(1.3)
2. Binh Thuan	112.1	111.3	114.5	118.6	(3.1)	20.2	20.3	(1.5)	91.9	92.7	94.2	(4.4)
(Central Highlands)												
3. Dac Lac *	7.2	6.8	6.5	7.0	(0.2)	4.1	1.8	(0.1)	3.1	5.0	5.1	(0.2)
4. Lam Dong **	48.5	55.3	93.5	101.5	(2.6)	31.5	35.0	(3.5)	17.0	20.2	46.1	(2.1)
(North East South)												
5. Ho Chi Minh City (% to Whole Country)	2,179.6 (28.0)	2,287.9 (28.5)	2,566.3 (28.6)	2,833.0 (28.7)	(73.5)	1,007.1 (33.2)	1,003.4 (27.7)	(73.3)	1,172.5 (25.9)	1,365.3 (28.0)	1,562.9 (29.3)	(72.4)
6. Song Be	63.9	90.5	109.0	136.0	(3.5)	20.4	32.4	(2.7)	43.5	58.2	71.7	(3.3)
7. Tay Ninh	55.3	50.6	67.3	63.9	(1.7)	17.1	22.5	(1.6)	38.2	28.0	45.2	(2.1)
8. Dong Nai	174.3	186.3	247.9	254.5	(6.6)	126.5	129.8	(10.9)	47.8	56.5	98.8	(4.6)
9. Ba Ria-Vung Tau (Mekong River Delta)	157.9	169.2	194.1	216.7	(5.6)	12.9	25.2	(3.1)	145.0	143.9	151.8	(7.0)
10. Long An ***	85.5	95.8	85.9	75.0	(1.9)	24.1	28.9	(2.0)	61.5	67.0	56.5	(2.6)
Study Area	2,924.6	3,095.3	3,529.4	3,855.1	(100.0)	1,281.1	1,234.5	(100.0)	1,643.5	1,860.7	2,160.1	(100.0)
% to Whole Country	57.6	38.5	39.4	39.1		42.2	39.0		36.2	38.2	40.5	
Viet Nam	7,773.1	8,035.7	8,962.2	9,858.0		3,037.8	3,164.0		4,535.3	4,871.7	5,338.0	

Source : Statistical Yearbook 1993, General Statistical Office

Notes : \* In Dac Lac Province, the Study Area covers 19.4% of its total land area and population.

\*\* In Lam Dong Province, the Study Area occupies 74.0% of its total land area and population.

\*\*\* In Long An Province, 51.3% of the total land and population belongs to the Study Area.

Table 1.19 Foreign Invested Projects in Operation by Province

(1) As of July 1994

Region / Provinces & City	No. of Projects		Total Capital		Prescribed Capital	
	(No.)	(%)	(Million US\$)****	(%)	(Million US\$)****	(%)
<i>(South Central Coast)</i>						
1. Ninh Thuan	2	(0.4)	2.7	(0.1)	2.5	(0.1)
2. Binh Thuan	5	(1.0)	22.0	(0.5)	12.0	(0.6)
<i>(Central Highlands)</i>						
3. Dac Lac *	0.4	(0.1)	1.0	(0.0)	1.0	(0.0)
4. Lam Dong**	10.4	(2.2)	74.0	(1.8)	54.8	(2.7)
<i>(North East South)</i>						
5. Ho Chi Minh City	336	(70.1)	2,800.0	(68.7)	1,400.0	(69.1)
6. Song Be	22	(4.6)	140.0	(3.4)	64.0	(3.2)
7. Tay Ninh	3	(0.6)	8.5	(0.2)	8.0	(0.4)
8. Dong Nai	67	(14.0)	708.0	(17.4)	279.0	(13.8)
9. Ba Ria-Vung Tau	30	(6.3)	297.0	(7.3)	188.0	(9.3)
<i>(Mekong River Delta)</i>						
10. Long An***	3.6	(0.7)	21.5	(0.5)	18.0	(0.9)
<b>Study Area</b>	<b>479</b>	<b>(100.0)</b>	<b>4,074.7</b>	<b>(100.0)</b>	<b>2,027.2</b>	<b>(100.0)</b>
<b>% to Total</b>	<b>60.0</b>	<b>-</b>	<b>55.1</b>	<b>-</b>	<b>57.9</b>	<b>-</b>
Hanoi (Capital) - (% to Total)	147	(18.4)	1,700.0	(23.0)	655.0	(18.7)
<b>Total ****</b>	<b>799</b>	<b>-</b>	<b>7,400.0</b>	<b>-</b>	<b>3,500.0</b>	<b>-</b>
Oil & Gas	25	-	1,300.0	-	-	-
Total Operating Projects	824	-	8,700.0	-	-	-

(2) As of October 1995

Region / Provinces & City	No. of Projects		Total Capital		Prescribed Capital	
	(No.)	(%)	(Million US\$)***	(%)	(Million US\$)***	(%)
<i>(South Central Coast)</i>						
1. Ninh Thuan	3	(0.4)	6.3	(0.1)	5.9	(0.1)
2. Binh Thuan	8	(1.1)	39.6	(0.4)	16.0	(0.4)
<i>(Central Highlands)</i>						
3. Dac Lac *	0.58	(0.1)	3.6	(0.0)	1.6	(0.0)
4. Lam Dong**	19	(2.4)	96.9	(1.0)	74.7	(1.7)
<i>(North East South)</i>						
5. Ho Chi Minh City	486	(64.2)	5,650.0	(60.7)	2,650.0	(61.9)
6. Song Be	54	(7.1)	386.0	(4.1)	180.0	(4.2)
7. Tay Ninh	9	(1.2)	158.0	(1.7)	62.0	(1.4)
8. Dong Nai	135	(17.8)	2,220.0	(23.9)	798.0	(18.6)
9. Ba Ria-Vung Tau	42	(5.5)	692.0	(7.4)	450.0	(10.7)
<i>(Mekong River Delta)</i>						
10. Long An***	7.18	(0.9)	53.9	(0.6)	37.4	(0.9)
<b>Study Area</b>	<b>757</b>	<b>(100.0)</b>	<b>9,306.3</b>	<b>(100.0)</b>	<b>4,295.6</b>	<b>(100.0)</b>
<b>% to Total</b>	<b>60.1</b>	<b>-</b>	<b>57.8</b>	<b>-</b>	<b>55.8</b>	<b>-</b>
Hanoi (Capital) - (% to Total)	217	(17.2)	3,400.0	(21.1)	1,900.0	(24.7)
<b>Total ****</b>	<b>1,260</b>	<b>-</b>	<b>16,100.0</b>	<b>-</b>	<b>7,700.0</b>	<b>-</b>

Notes \* In Dac Lac Province, the Study Area covers 19.4% of its total land area and population.

\*\* In Lam Dong Province, the Study Area occupies 74.0% of its total land area and population.

\*\*\* In Long An Province, 51.3% of the total land and population belongs to the Study Area.

\*\*\*\* Excludes oil & gas projects and overseas investment projects.

The regions and provinces relating to the Mater Plan study are shaded.

Source : State Committee for Cooperation and Investment (SCCI)

Table 1.20 Number of Students in the Universities, Colleges and Technical Schools in the Year 1994

Region / Provinces & City	Universities & Colleges			Technical Worker Training Schools			Technical Secondary Schools		
	(No.)	(%)	Students	(No.)	(%)	Students	(No.)	(%)	Students
(North Mountain and Midland)	12	(11.0)	13,603	41	(20.2)	17,484	66	(24.8)	23,012
(Red River Delta)	45	(41.3)	49,663	70	(34.5)	21,884	55	(20.7)	27,892
0. Ha Noi (Capital)	28	(25.7)	40,424	24	(11.8)	10,047	13	(4.9)	8,341
(North Central Coast)	11	(10.1)	11,107	25	(12.3)	5,078	24	(9.0)	11,174
(South Central Coast)	8	(7.3)	8,101	14	(6.9)	6,055	32	(12.0)	11,169
1. Ninh Thuan	0	(0.0)	0	1	(2.8)	41	1	(1.8)	1,002
2. Binh Thuan	0	(0.0)	0	1	(2.8)	1,525	2	(3.6)	1,097
(Central Highlands)	5	(20.0)	4,140	7	(19.4)	1,151	13	(23.6)	3,806
3. Dac Lac	2	(8.0)	1,831	1	(2.8)	224	4	(7.3)	1,098
4. Lam Dong	2	(8.0)	1,296	3	(8.3)	441	2	(3.6)	1,057
(North East South)	20	(18.3)	37,822	29	(14.3)	14,484	44	(16.5)	17,941
5. Ho Chi Minh City	17	(68.0)	36,402	14	(38.9)	9,215	27	(49.1)	12,391
6. Song Be	1	(4.0)	239	4	(11.1)	972	4	(7.3)	930
7. Tay Ninh	1	(4.0)	248	2	(5.6)	1,113	3	(5.5)	409
8. Dong Nai	1	(4.0)	933	6	(16.7)	1,559	9	(16.4)	2,357
9. Ba Ria-Vung Tau	0	(0.0)	0	3	(8.3)	1,625	1	(1.8)	1,854
(Mekong River Delta)	8	(7.3)	9,104	17	(8.4)	3,628	32	(12.0)	13,160
10. Long An	1	(4.0)	376	1	(2.8)	335	2	(3.6)	960
Study Area	25	(100.0)	41,325	36	(100.0)	17,050	55	(100.0)	23,135
% to Whole Country	22.9	-	30.9	17.7	-	24.4	20.7	-	21.4
Viet Nam	109	(100.0)	133,540	203	(100.0)	69,764	266	(100.0)	108,154

Source : Statistical Yearbook 1994, General Statistical Office.

Note : The regions and provinces relating to the Mater Plan study are shaded.



Table 1.21 Distribution of Households by Income Categories, Region and Rural/Urban

(Unit: %)

Regions	Income Categories (1,000 dong)							Total
	<=2,000	2,001-4,000	4,001-6,000	6,001-8,000	8,001-10,000	10,001-20,000	>20,000	
1. North Mountain and Midland	16.38 (25.00)	21.22 (38.74)	17.86 (18.00)	17.19 (9.63)	10.37 (3.50)	8.53 (4.63)	2.5 (0.50)	16.67 (100.00)
2. Red Delta River	25.96 (27.52)	26.28 (53.33)	26.55 (18.58)	22.1 (8.59)	23.33 (5.47)	11.06 (4.17)	16.88 (2.34)	24.00 (100.00)
3. North Central Coast	17.44 (33.28)	17.8 (40.63)	12.16 (15.31)	7.81 (5.47)	4.82 (2.03)	3.00 (2.03)	5.00 (1.25)	13.33 (100.00)
4. South Central Coast	16.54 (37.13)	9.72 (26.10)	9.43 (13.97)	9.15 (7.54)	8.89 (4.41)	11.75 (9.38)	5.00 (1.47)	11.33 (100.00)
5. Central Highlands	2.46 (23.44)	2.87 (32.33)	2.48 (15.63)	2.9 (10.16)	3.7 (7.81)	2.53 (8.59)	1.25 (1.56)	2.67 (100.00)
6. North East South	7.05 (15.60)	5.96 (15.68)	8.19 (12.07)	12.05 (9.82)	16.67 (9.16)	30.41 (26.15)	45.25 (13.52)	11.33 (100.00)
7. Mekong River Delta	14.17 (17.33)	16.15 (23.67)	23.33 (18.75)	28.8 (12.78)	32.72 (9.45)	32.72 (14.30)	23.13 (3.72)	20.67 (100.00)
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
National Average	(25.44)	(30.44)	(16.79)	(9.33)	(5.63)	(9.04)	(3.33)	(100.00)
Rural	89.68 (28.52)	86.31 (32.84)	81.89 (17.19)	71.43 (8.33)	65.56 (4.61)	59.68 (6.74)	42.50 (1.77)	80.00 (100.00)
Urban	10.32 (13.12)	13.69 (20.83)	18.11 (15.21)	28.57 (13.33)	34.44 (9.69)	40.32 (18.23)	57.50 (9.59)	20.00 (100.00)
Total	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Notes: The Regions which are lightly shaded include the provinces related to the study.

Figures densely shaded indicate the most highest ratios in each income category and among regions.

Source: Statistical Abstract - Viet Nam Living Standards Survey, 1992-1993

Table 1.22 Organized Migration to New Economic Zones, Capital Investment and Its Projects in the Year 1992

Region / Provinces & City	Organized Migration Projects				Organized Migration to New Economic Zones			Capital Investment	
	Approved Projects (No.)	Invested Funds (Mill. Dong)	Labourers Absorbed (Persons)	(%)	Labours (No.)	Persons (No.)	Total (Million Dong)	Total (%)	
									(%)
(North Mountain and Midland)	26	14,080	8,819	(11.7)	19,099	39,151	17,310.2	(15.1)	
(Red River Delta)	19	13,100	7,856	(10.5)	17,115	29,985	24,176.4	(21.1)	
0. Ha Noi (Capital)	2	885	402	(0.5)	637	1,198	981.8	(0.9)	
(North Central Coast)	29	20,480	12,128	(16.2)	15,007	29,156	24,863.3	(21.7)	
(South Central Coast)	29	108,067	7,735	(10.3)	9,102	16,631	11,062.0	(9.6)	
1. Ninh Thuan	1	14,348	1,129	(7.4)	1,129	2,596	1,600.0	(9.4)	
2. Binh Thuan	1	34,180	2,054	(3.5)	2,054	3,765	2,657.5	(15.7)	
(Central Highlands)	15	176,104	13,994	(18.6)	7,109	16,256	12,799.0	(11.2)	
3. Dac Lac *	0.776	10,383	790	(5.2)	510	1,166	686.8	(4.0)	
4. Lam Dong**	3.7	50,575	6,172	(8.6)	2,781	6,551	2,434.6	(2.4)	
(North East South)	14	95,919	3,969	(5.3)	4,782	11,457	8,176.8	(7.1)	
5. Ho Chi Minh City	5	16,564	614	(4.0)	614	1,535	4,050.0	(3.9)	
6. Song Be	1	10,592	687	(4.5)	1,570	3,289	1,528.7	(9.0)	
7. Tay Ninh	1	26,891	1,686	(11.1)	1,616	4,178	1,770.0	(10.4)	
8. Dong Nai	3	21,037	982	(6.5)	982	2,455	525.2	(3.1)	
9. Ba Ria-Vung Tau	4	20,835	0	(0.0)	0	0	302.9	(1.8)	
(Mekong River Delta)	15	341,645	20,581	(27.4)	33,115	67,847	16,259.1	(14.2)	
10. Long An ***	1.026	60,960	1,090	(7.2)	1,090	1,938	1,402.4	(8.3)	
<b>Study Area</b>	<b>21,502</b>	<b>266,365</b>	<b>15,205</b>	<b>(100.0)</b>	<b>12,346</b>	<b>27,273</b>	<b>16,958.0</b>	<b>(100.0)</b>	
% to Whole Country	15.9	35.1	20.3	-	11.7	13.0	14.8	-	
Viet Nam	135	759,395	75082	(100.0)	105,289	210,483	114,646.8	(100.0)	

Source : Statistical Yearbook 1993, General Statistical Office

Notes \* In Dac Lac Province, the Study Area covers 19.4% of its total land area and population.

\*\* In Lam Dong Province, the Study Area occupies 74.0% of its total land area and population.

\*\*\* In Long An Province, 51.3% of the total land and population belongs to the Study Area.

The regions and provinces relating to the Mater Plan study are shaded.

The figures accented with dark shades are the highest two values in the Study Area.

Table 3.1 Major Priority Projects Relevant to the Study Area (1/2)

	Focus	Duration (Period)	Cost (US\$ Million)
<b>I. Economic Infrastructure</b>			
<b>1.1 Transport</b>			
1)	Upgrading National Road No.51 (Ho Chi Minh City to Vung Tau)	1995 - 1998	124
2)	Upgrading National Highway No.1A Hho Chi Minh City - Can Tho section (Engineering design is being prepared as a WB project)	1994 - 1997	(140)
	Ho Chi Minh City - Nha Trang section (Project is being prepared as an ADB project)	1994 - 1996	83
	Construction of new big bridges	1994 - 2000	-
3)	Main Road System in Ho Chi Minh City (First Stage)	1995 - 1998	250
4)	Facilities and Equipment for Public Transport (Ho Chi Minh City)	1995 - 1998	100
5)	Upgrading Tan Son Nhat Airport (Ho Chi Minh City)	1994 - 1998	200
6)	Saigon Port (Ho Chi Minh City)	1994 - 2000	100
7)	Thi Vai, Vung Tau Group of Ports	1996 - 1998	150
	Construction of Thi Vai port with 11 million ton capacity per year	1996 - 2000	320
	Construction of Ben Dinh - Sao Mai port with 10 million ton capacity per year for 30,000 ton ships		
8)	Trans-Viet Nam Railway	1994 - 2000	377
	Rehabilitation of the entire Hanoi - Ho Chi Minh City Railway line		
<b>1.2 Electricity</b>			
1)	Ya Li Hydro-Power Plant	1993 - 1997	600
	690 MW & 3.5 billion kWh (Construction scheduled for end 1993 / Operation of first generating unit planned for 1997)		
2)	Phu My Thermal Power Plant	1994 - 1997	400
	600 MW using associated gas from White Tiger oil field (Feasibility study under evaluation)		
3)	Ham Thuan - Da Mi Hydro-Power Plant	1996 - 2000	400
	472 MW (Detailed design under way)		
4)	Transmission and Distribution Grid of 220 KV and below for cities and rural areas	1993 - 1998	300

Table 3.1 Major Priority Projects Relevant to the Study Area (2/2)

		Focus	Duration (Period)	Cost (US\$ Million)
<b>1.3 Irrigation and forestry</b>				
1)	Mekong River Delta Irrigation System	Development and strengthening of the irrigation system (Feasibility study under preparation)	1993 - 1998	(210)
2)	Protection Forest Programme	Watershed, coastal and bio-diversity forests	1993 - 1998	(200)
3)	Barren Hill and Mountain Regreening Programme	Planting of trees to regreen barren hills and mountains, environmental improvement and poverty alleviation in mountainous regions	1993 - 2000	(420)
<b>2. Social Infrastructure</b>				
<b>2.1 Science and Technology</b>				
1)	Hi-Tech Areas	Establishment of a hi-tech area in Ho Chi Minh City (Information, precise mechanical engineering, biotechnology, etc.)	1994 - 1995	(20)
2)	Establishment of Environmental Management System in Viet Nam	Establishment of the system of basic environment monitoring stations and facilities for staff training	1994 - 1996	(58)
<b>2.2 Health, Culture and Social Affairs</b>				
1)	Supply of Clean Water and Sanitation	Clean water and rural sanitation programme Ho Chi Minh City water supply Water supply for other urban areas	1993 - 2000 1993 - 2000 1993 - 2000	(100) 150 (100)
2)	Drainage and Environmental Protection	Waste water drainage (Ho Chi Minh City) Drainage in other urban areas	1994 - 2000 1994 - 2000	200 (100)
3)	Establishment of National Health Centre in Ho Chi Minh City	Establishment of a national health center able to care difficult diseases, carry out research and training	1993 - 1995	(16)

Note: Figures in parentheses include the costs of other projects in another areas.

Source: Vietnam: A Development Perspective - Prepared for the Donor Conference, September 1993

Table 5.1. Rate of Forest Coverage in the Year 1993

Region / Provinces & City	Natural Area		Forestry Area		Rate of Forest Coverage (%)
	(1,000 ha)	(%)	(1,000 ha)	(%)	
(North Mountain and Midland)	(10,308.5)	(31.1)	(2,168.0)	(22.5)	(21.0)
(Northern-Western Region)	(3,609.9)		(746.6)		(20.7)
(Northern-Eastern Region)	(3,366.8)		(653.9)		(19.4)
(Central Region)	(3,331.8)		(767.5)		(23.0)
(Red River Delta)	(1,251.7)	(3.8)	(76.1)	(0.8)	(6.1)
(North Central Coast)	(5,105.0)	(15.4)	(1,621.8)	(16.8)	(31.8)
(South Central Coast)	(4,587.6)	(13.9)	(1,644.3)	(17.0)	(35.8)
1. Ninh Thuan	343.0	(4.9)	158.3	(8.5)	46.2
2. Binh Thuan	799.2	(11.4)	436.1	(23.4)	54.6
(Central Highlands)	(5,556.9)	(16.8)	(3,420.6)	(35.4)	(61.6)
3. Dac Lac *	384.1	(5.5)	257.7	(13.8)	67.1
4. Lam Dong **	752.8	(10.8)	471.1	(25.3)	62.6
(North East South)	(2,347.6)	(7.1)	(533.5)	(5.5)	(22.7)
5. Ho Chi Minh City	209.0	(3.0)	22.6	(1.2)	10.8
6. Song Be	954.6	(13.7)	275.8	(14.8)	28.9
7. Tay Ninh	402.0	(5.8)	57.5	(3.1)	14.3
8. Dong Nai	586.4	(8.4)	144.5	(7.8)	24.6
9. Ba Ria-Vung Tau	195.7	(2.8)	33.1	(1.8)	16.9
(Mekong River Delta)	(3,955.5)	(11.9)	(785.7)	(1.9)	(4.7)
10. Long An ***	222.5	(3.2)	4.4	(0.2)	2.0
<b>Study Area</b>	<b>6,988.0</b>	<b>(100.0)</b>	<b>1,861.0</b>	<b>(100.0)</b>	<b>26.6</b>
% to Whole Country	21.1		19.3		
Viet Nam	33,112.8	(100.0)	9,650.0	(100.0)	29.1

Notes : \* Dac Lac = 19.4% of its total area

\*\* Lam Dong = 74% of its total area

\*\*\* Long An = 51.3% of its total area

Source : Statistical Data of Vietnam's Economy, 1993

**Table 5.2 Main Source of Lighting by Region**

(Unit: %)

Regions	Source of Lighting					Total
	Electricity	Battery	Oil & Kerosene Lamp	Others		
1. North Mountain and Midland	11.49 <b>(33.50)</b>	22.45 <b>(1.38)</b>	21.46 <b>(64.00)</b>	28.12 <b>(1.12)</b>	16.67 <b>(100.00)</b>	
2. Red Delta River	39.35 <b>(79.69)</b>	0.00 <b>(0.00)</b>	9.81 <b>(20.31)</b>	0.00 <b>(0.00)</b>	24.00 <b>(100.00)</b>	
3. North Central Coast	9.69 <b>(35.31)</b>	2.04 <b>(0.16)</b>	17.31 <b>(64.53)</b>	0.00 <b>(0.00)</b>	13.33 <b>(100.00)</b>	
4. South Central Coast	13.12 <b>(56.25)</b>	0.00 <b>(0.00)</b>	9.64 <b>(42.28)</b>	25.00 <b>(1.47)</b>	11.33 <b>(100.00)</b>	
5. Central Highlands	1.16 <b>(21.09)</b>	0.00 <b>(0.00)</b>	3.6 <b>(67.19)</b>	46.88 <b>(11.72)</b>	2.67 <b>(100.00)</b>	
6. North East South	4.36 <b>(61.58)</b>	30.61 <b>(2.76)</b>	8.13 <b>(35.66)</b>	0.00 <b>(0.00)</b>	11.53 <b>(100.00)</b>	
7. Mekong River Delta	10.83 <b>(25.50)</b>	44.90 <b>(2.22)</b>	30.05 <b>(72.28)</b>	0.00 <b>(0.00)</b>	20.67 <b>(100.00)</b>	
Total	100.00	100.00	100.00	100.00	100.00	
Total Average	<b>(48.60)</b>	<b>(1.02)</b>	<b>(49.71)</b>	<b>(0.67)</b>	<b>(100.00)</b>	

Notes : The Regions which are shaded include the provinces related to the study.

Bold figures indicate the regions where electrification rate is lower than the total average.

Source : Statistical Abstract Viet Nam Living Standards Survey, 1992-1993

Table 5.3 Type of Agricultural Land by Region

(Unit : %)

Regions	Type of Land					Total
	Annual Crop	Perennial Crop	Water Surface	Forest Land	Other Land	
1. North Mountain and Midland	65.62	7.63	2.02	13.26	11.47	100.00
2. Red Delta River	86.70	5.50	5.11	1.34	1.35	100.00
3. North Central Coast	78.14	7.99	1.12	8.9	3.85	100.00
4. South Central Coast	88.04	5.43	0.07	1.93	4.53	100.00
5. Central Highlands	62.94	35.03	0.08	0	1.95	100.00
6. North-East South	65.66	25.15	0.16	5.52	3.51	100.00
7. Mekong River Delta	82.06	13.18	2.31	0.72	1.73	100.00
Total Average	76.09	12.56	1.94	4.95	4.46	100.00

Note : The Regions which are shaded cover the provinces related to the study.

Source : Statistical Abstract - Viet Nam Living Standards Survey, 1992-1993

Table 5.4 Medical Situation in the Study Area, 1993

(Unit : persons)

Region/ Provinces & City	Population in 1993	Medical Staff (Number) & Population per Staff							
		Doctors Per Doctor	Physicians Per Physician	Nurses Per Nurse	Midwives Per Midwife	Population per Staff			
(South Central Coast)									
1. Ninh Thuan	449,100	88	5,103	315	1,426	235	1,911	110	4,083
2. Binh Thuan (Central Highlands)	858,700	208	4,128	477	1,800	356	2,412	153	5,612
3. Dac Lac *	227,620	68	3,324	114	2,002	90	2,523	19	11,852
4. Lam Dong**	549,746	189	2,913	352	1,561	252	2,179	168	3,272
(North East South)									
5. Ho Chi Minh City	4,322,300	2,566	1,684	1,439	3,004	4,633	933	1,256	3,441
6. Song Be	1,081,700	250	4,327	625	1,731	484	2,235	223	4,851
7. Tay Ninh	868,900	269	3,230	744	1,168	376	2,311	128	6,788
8. Dong Nai	1,762,900	465	3,791	918	1,920	816	2,160	264	6,678
9. Ba Ria-Vung Tau (Mekong River Delta)	657,100	143	4,595	194	3,387	235	2,796	92	7,142
10. Long An ***	628,322	138	4,553	434	1,448	277	2,268	102	6,190
<b>Study Area</b>	<b>11,406,389</b>	<b>4,384</b>	<b>2,602</b>	<b>5,612</b>	<b>2,033</b>	<b>7,478</b>	<b>1,525</b>	<b>2,515</b>	<b>4,536</b>
(% to Whole Country)	(16.3)	(15.4)	-	(12.5)	-	(13.9)	-	(20.9)	-
Viet Nam	69,937,700	28,458	2,458	45,068	1,552	53,726	1,302	12,042	5,808

Notes : \* Dac Lac = 19.4% of its total population or persons

\*\* Lam Dong = 74% of its total population or persons

\*\*\* Long An = 51.3% of its total population or persons

Source : Statistical Yearbook 1993, General Statistical Office



Table 5.5 Per Capita Income by Sources of Income and by Region

(Unit: Thousand VND)

Regions	Sources of Income						Total
	Agricultural Activity	Non-Agricultural Self-Employment	Wages	Subsidies & Stipend	Other Income		
1. North Mountain and Midland	505.4	157.1	89.3	44.8	3.1	799.7	
2. Red Delta River	437.6	400.2	181.8	<b>67.5</b>	8.7	1,095.8	
3. North Central Coast	358.4	278.0	93.3	46.9	3.9	780.5	
4. South Central Coast	180.7	390.8	239.2	28.4	14.4	853.5	
5. Central Highlands	<b>550.0</b>	122.4	170.0	9.2	9.4	861.0	
6. North East South	213.2	<b>958.6</b>	619.4	19.5	<b>81.4</b>	<b>1,892.1</b>	
7. Mekong River Delta	515.1	423.8	290.0	13.5	22.7	1,265.1	
Total Average	401.1	409.0	240.6	36.4	19.8	1,106.9	
Ratio to Total Income	(36.2)	(37.0)	(21.7)	(3.3)	(1.8)	(100.0)	

Notes: The Regions which are shaded cover the provinces related to the study.

Bold figures indicate the highest in each source of income.

Source: Statistical Abstract - Viet Nam Living Standards Survey, 1992-1993

Table 5.6 Major Ethnic Groups by Province in the Study Area, 1989

Ethnic Groups	Country Total	Thuan Hai		Dac Lac		Lam Dong		HCMC		Song Be		Tay Ninh		Dong Nai		Ba Ria-Vung Tau		Long An		Study Area Total		% to Country Total	
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
1. Kinh (Viet)	55,900,224	(86.8)	1,030,649	(88.1)	133,314	(70.4)	361,462	(76.4)	3,479,104	(88.7)	849,526	(90.6)	780,513	(98.4)	1,852,243	(92.3)	132,569	(98.2)	573,022	(99.7)	9,192,411	(90.1)	(16.4)
2. Tay	1,190,342	(1.8)	3,213	(0.3)	2,115	(1.1)	4,838	(1.0)	726	(0.0)	1,904	(0.2)	112	(0.0)	8,303	(0.4)	82	(0.0)	18	(0.0)	21,361	(0.2)	(0.4)
3. Thai	1,040,549	(1.6)	57	(0.0)	612	(0.3)	2,761	(0.6)	257	(0.0)	195	(0.0)	30	(0.0)	482	(0.0)	9	(0.0)	5	(0.0)	4,407	(0.0)	(0.0)
4. Hoa (Han)	900,185	(1.4)	14,213	(1.2)	473	(0.3)	8,273	(1.7)	453,531	(11.0)	17,456	(1.9)	4,900	(0.6)	107,867	(5.4)	1,935	(1.4)	1,433	(0.2)	590,201	(5.8)	(65.6)
5. Khmer	895,299	(1.4)	124	(0.0)	41	(0.0)	294	(0.1)	3,089	(0.1)	9,425	(1.0)	5,197	(0.7)	2,548	(0.1)	281	(0.2)	106	(0.0)	21,105	(0.2)	(2.4)
6. Muong	914,596	(1.4)	78	(0.0)	1,023	(0.5)	147	(0.0)	157	(0.0)	290	(0.0)	134	(0.0)	2,562	(0.1)	22	(0.0)	7	(0.0)	4,421	(0.0)	(0.5)
7. Nung	705,799	(1.1)	1,687	(0.1)	3,407	(1.9)	6,283	(1.3)	592	(0.0)	2,453	(0.3)	56	(0.0)	10,927	(0.5)	98	(0.1)	7	(0.0)	25,710	(0.3)	(3.6)
8. Hmong (Meo)	588,051	(0.9)	6	(0.0)	2	(0.0)	10	(0.0)	15	(0.0)	9	(0.0)	1	(0.0)	1,157	(0.1)	1	(0.0)	2	(0.0)	46	(0.0)	(0.0)
9. Dao	473,945	(0.7)	7	(0.0)	314	(0.2)	33	(0.0)	8	(0.0)	92	(0.0)	1	(0.0)	27	(0.0)	0	(0.0)	2	(0.0)	1,613	(0.0)	(0.3)
10. Gia-rai	242,291	(0.4)	1,205	(0.1)	1,688	(0.9)	49	(0.0)	22	(0.0)	14	(0.0)	1	(0.0)	59	(0.0)	0	(0.0)	0	(0.0)	3,106	(0.0)	(1.3)
11. E-de	194,710	(0.3)	47	(0.0)	34,752	(18.4)	30	(0.0)	41	(0.0)	27	(0.0)	3	(0.0)	12	(0.0)	0	(0.0)	0	(0.0)	34,957	(0.3)	(18.0)
12. Ba-na	136,859	(0.2)	210	(0.0)	15	(0.0)	10	(0.0)	7	(0.0)	4	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	261	(0.0)	(0.2)
13. Xo-dang	96,766	(0.2)	7	(0.0)	855	(0.5)	3	(0.0)	5	(0.0)	0	(0.0)	0	(0.0)	442	(0.0)	0	(0.0)	0	(0.0)	870	(0.0)	(0.9)
14. San Chay	114,012	(0.2)	16	(0.0)	120	(0.1)	17	(0.0)	10	(0.0)	12	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	618	(0.0)	(0.5)
15. Co Ho	92,190	(0.1)	8,111	(0.7)	17	(0.0)	61,399	(13.0)	17	(0.0)	5	(0.0)	1,816	(0.2)	683	(0.0)	8	(0.0)	0	(0.0)	70,231	(0.7)	(76.2)
16. Cham	98,971	(0.2)	63,023	(5.4)	23	(0.0)	52	(0.0)	3,036	(0.1)	349	(0.0)	0	(0.0)	1,622	(0.1)	0	(0.0)	13	(0.0)	70,541	(0.7)	(71.3)
17. San Diu	94,630	(0.1)	11	(0.0)	6	(0.0)	16	(0.0)	6	(0.0)	72	(0.0)	0	(0.0)	283	(0.0)	0	(0.0)	0	(0.0)	394	(0.0)	(0.4)
18. M'ngong	67,340	(0.1)	9	(0.0)	8,927	(4.7)	3,171	(0.7)	5	(0.0)	5,642	(0.6)	0	(0.0)	1	(0.0)	0	(0.0)	0	(0.0)	17,755	(0.2)	(26.4)
19. Ra-glai	71,696	(0.1)	44,483	(3.8)	23	(0.0)	642	(0.1)	4	(0.0)	5	(0.0)	0	(0.0)	764	(0.0)	0	(0.0)	0	(0.0)	45,158	(0.4)	(63.0)
20. Xiang	50,194	(0.1)	2	(0.0)	327	(0.2)	4	(0.0)	0	(0.0)	49,179	(5.2)	0	(0.0)	239	(0.0)	0	(0.0)	0	(0.0)	50,048	(0.5)	(99.7)
21. Bru-Van Kieu	40,132	(0.1)	1	(0.0)	1	(0.0)	386	(0.1)	29	(0.0)	10	(0.0)	0	(0.0)	667	(0.0)	1	(0.0)	0	(0.0)	581	(0.0)	(1.4)
22. Tho	51,274	(0.1)	31	(0.0)	51	(0.0)	446	(0.1)	1	(0.0)	29	(0.0)	1	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	1,195	(0.0)	(2.3)
23. Gié-Trung	26,924	(0.0)	0	(0.0)	1	(0.0)	386	(0.1)	1	(0.0)	1	(0.0)	0	(0.0)	1,192	(0.1)	0	(0.0)	0	(0.0)	450	(0.0)	(1.7)
24. Ma	25,436	(0.0)	3	(0.0)	831	(0.4)	14,646	(3.1)	1	(0.0)	11	(0.0)	0	(0.0)	13,615	(0.7)	0	(0.0)	1	(0.0)	16,685	(0.2)	(65.6)
25. Choro	15,022	(0.0)	1,342	(0.1)	0	(0.0)	7	(0.0)	19	(0.0)	3	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	14,987	(0.1)	(99.8)
26. Churu	10,746	(0.0)	281	(0.0)	0	(0.0)	7,697	(1.6)	2	(0.0)	961	(0.1)	0	(0.0)	0	(0.0)	0	(0.0)	0	(0.0)	7,980	(0.1)	(74.3)
27. Others	367,667	(0.6)	197	(0.0)	98	(0.1)	203	(0.0)	3,126	(0.1)	961	(0.1)	119	(0.0)	1,123	(0.1)	48	(0.0)	50	(0.0)	5,925	(0.1)	(1.6)
Total	64,375,762	(100.0)	1,169,213	(100.0)	189,238	(100.0)	473,026	(100.0)	3,924,435	(100.0)	937,666	(100.0)	792,885	(100.0)	2,006,837	(100.0)	135,054	(100.0)	574,065	(100.0)	10,203,019	(100.0)	(15.8)

Notes: \* Thuan hai = Binh Thuan + Ninh Thuan since 1991

\*\* Dac Lac = 19.4% of its population

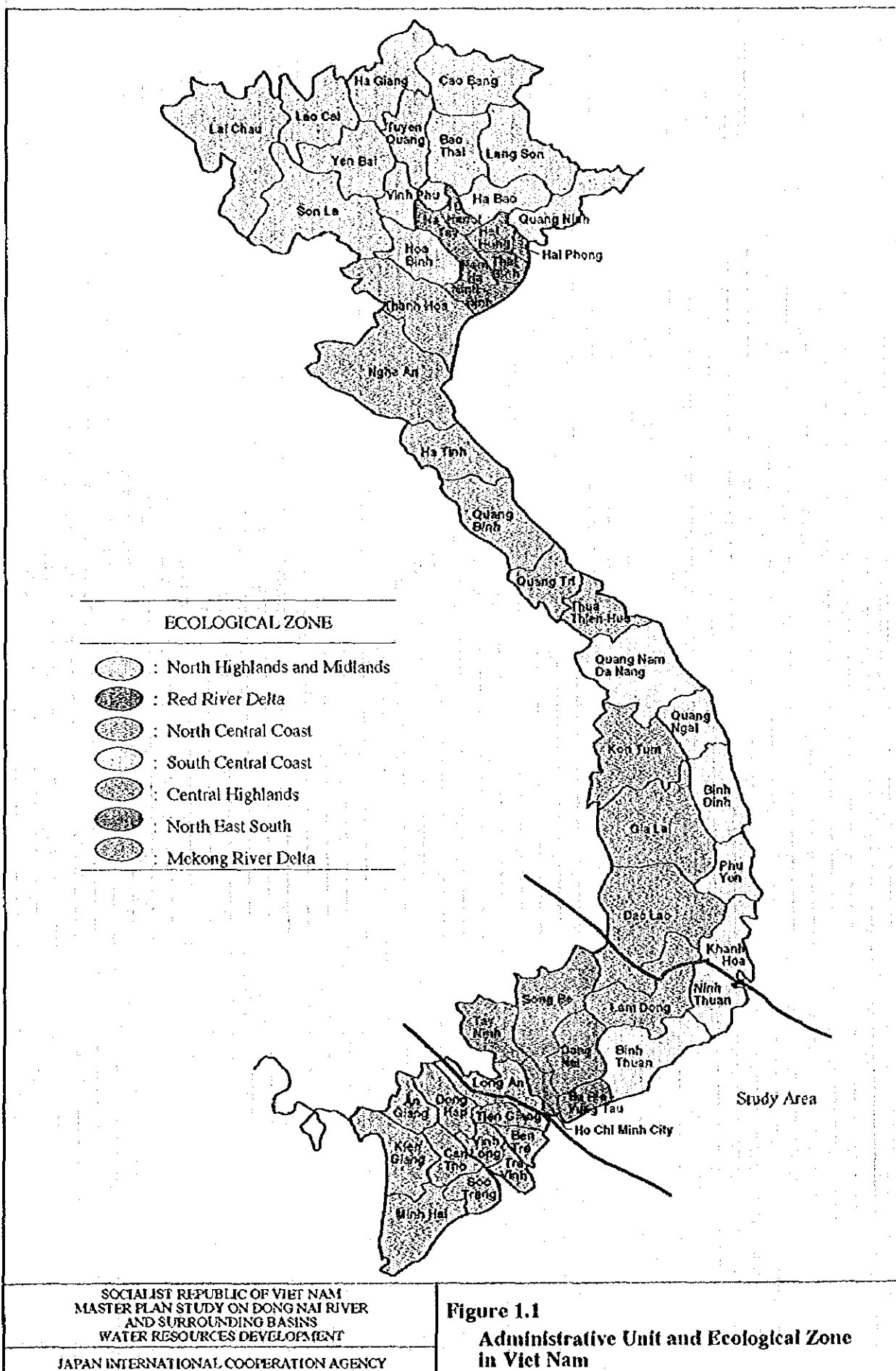
\*\*\* Lam Dong = 74% of its population

\*\*\*\* Long An = 51.3% of its population

Source: Vietnam Population Census - 1989

# FIGURES

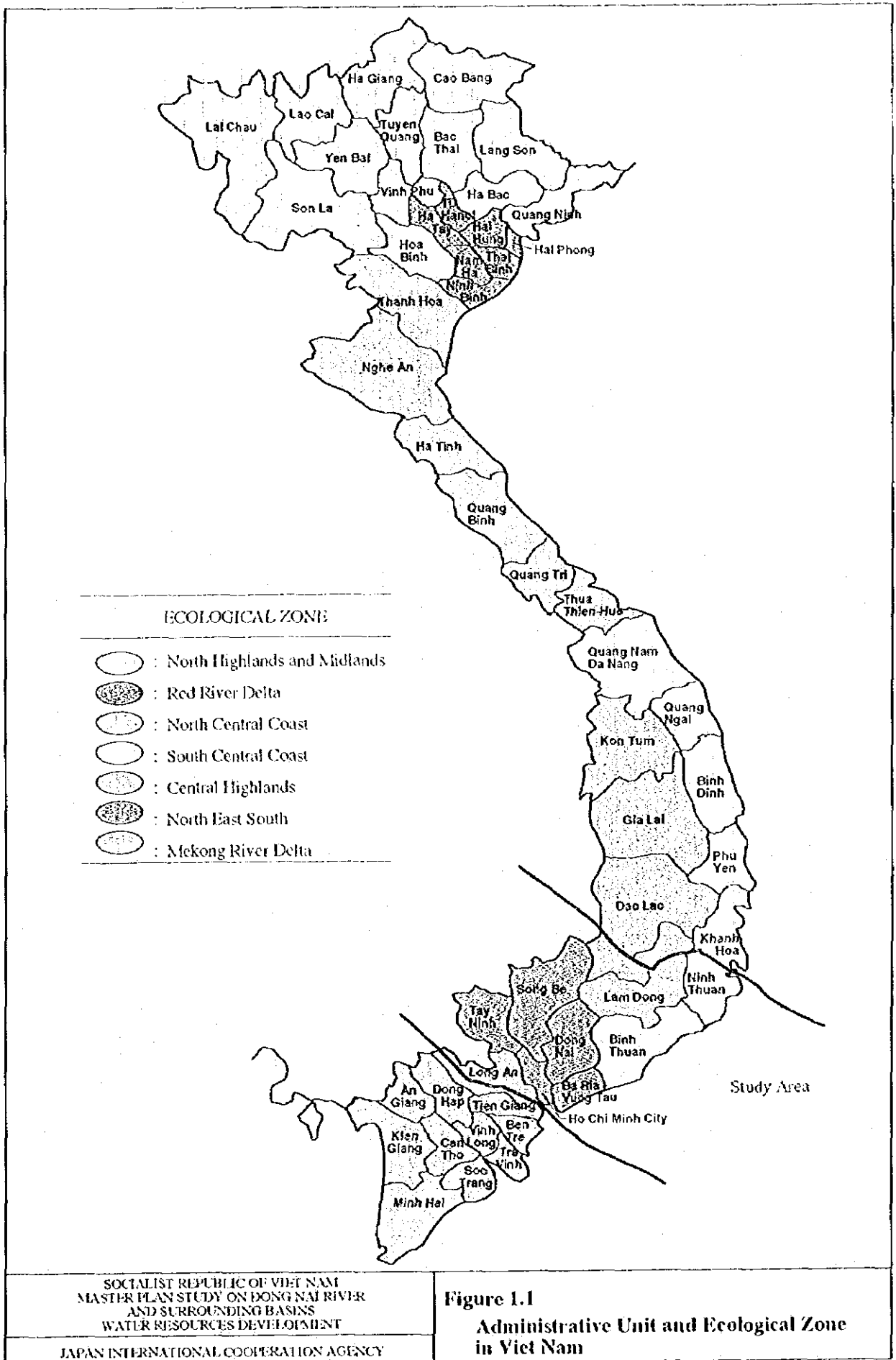




SOCIALIST REPUBLIC OF VIET NAM  
 MASTER PLAN STUDY ON DONG NAI RIVER  
 AND SURROUNDING BASINS  
 WATER RESOURCES DEVELOPMENT

JAPAN INTERNATIONAL COOPERATION AGENCY

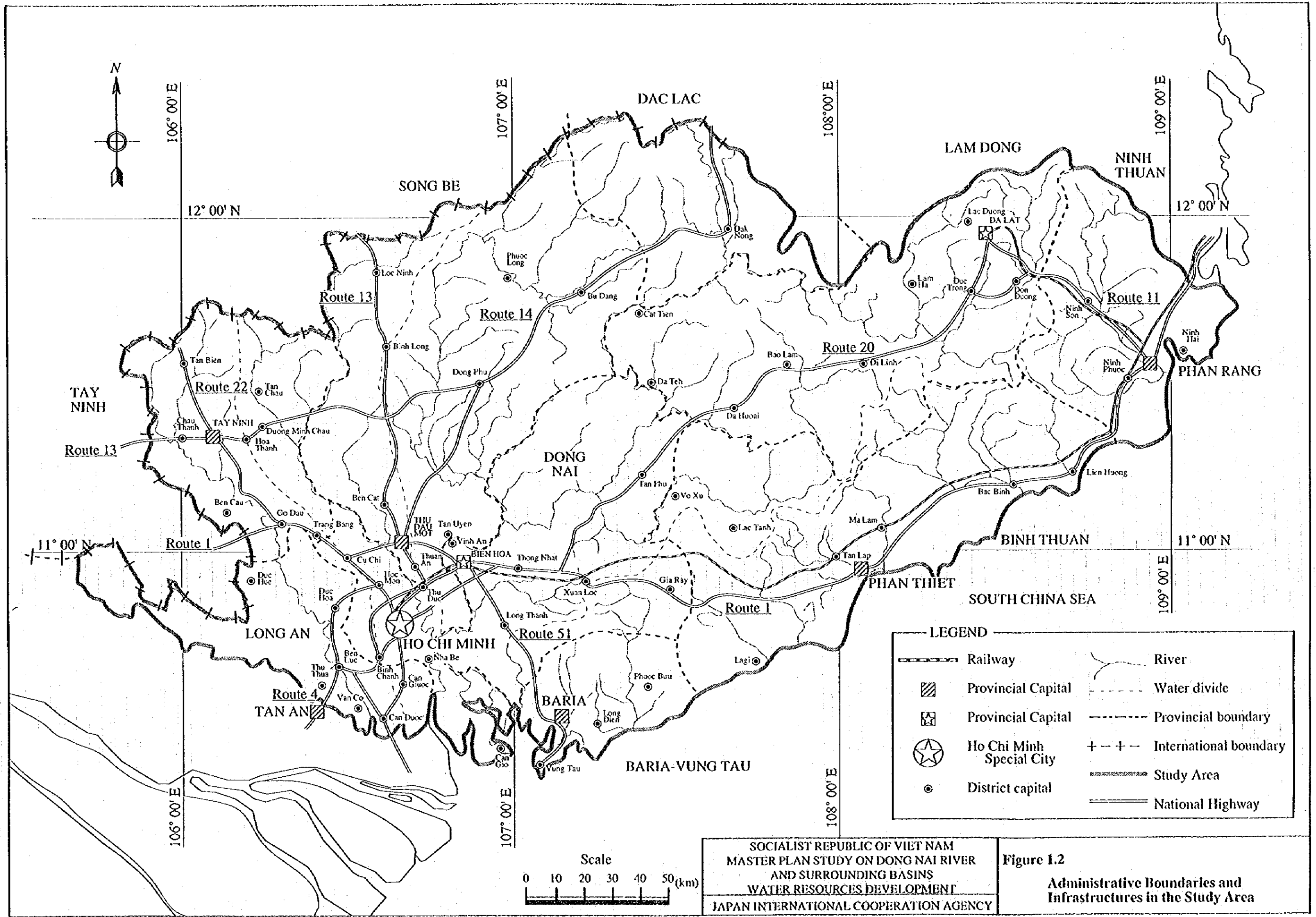
**Figure 1.1**  
**Administrative Unit and Ecological Zone**  
**in Viet Nam**



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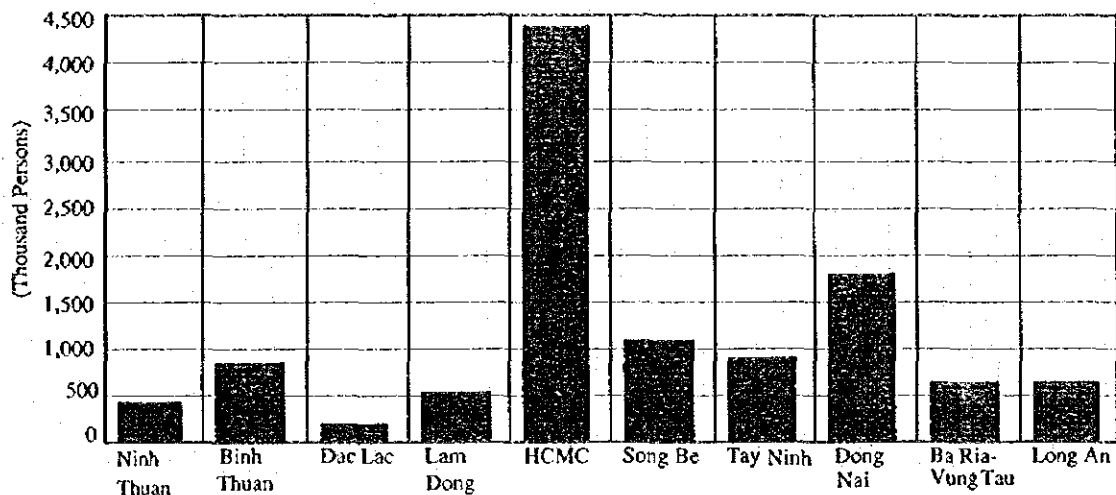
**Figure 1.1**  
**Administrative Unit and Ecological Zone**  
**in Viet Nam**





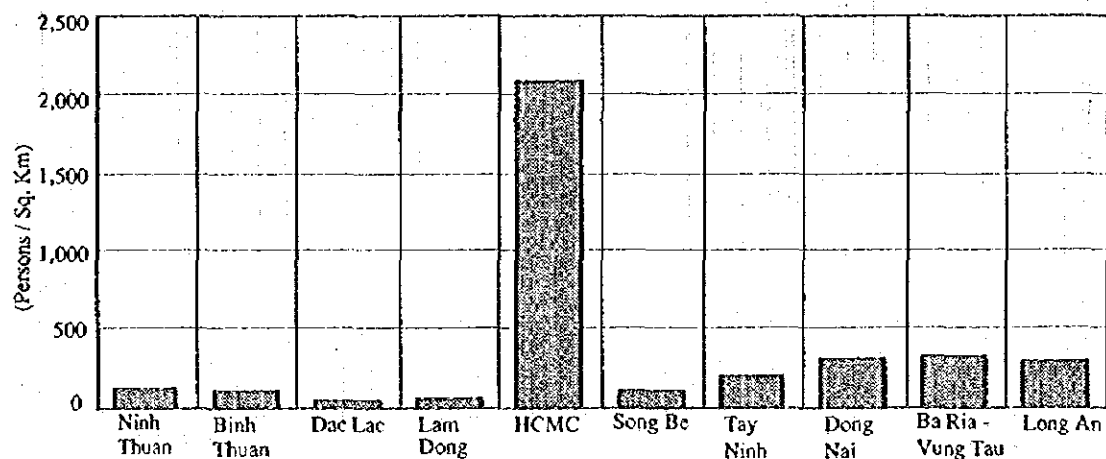


**(1) Population in the Study Area**



Note : For Dac Lac, Lam Dong and Long An provinces, their shares belonging to the study area were taken into account.

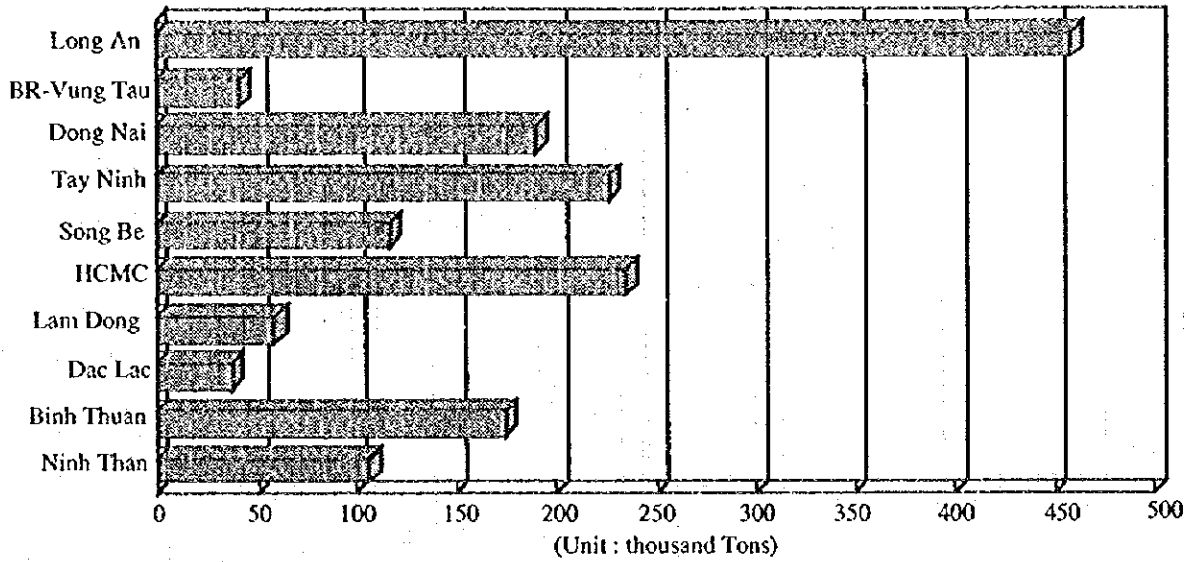
**(2) Population Density by Province**



Source : Statistical Yearbook 1994, General Statistical Office

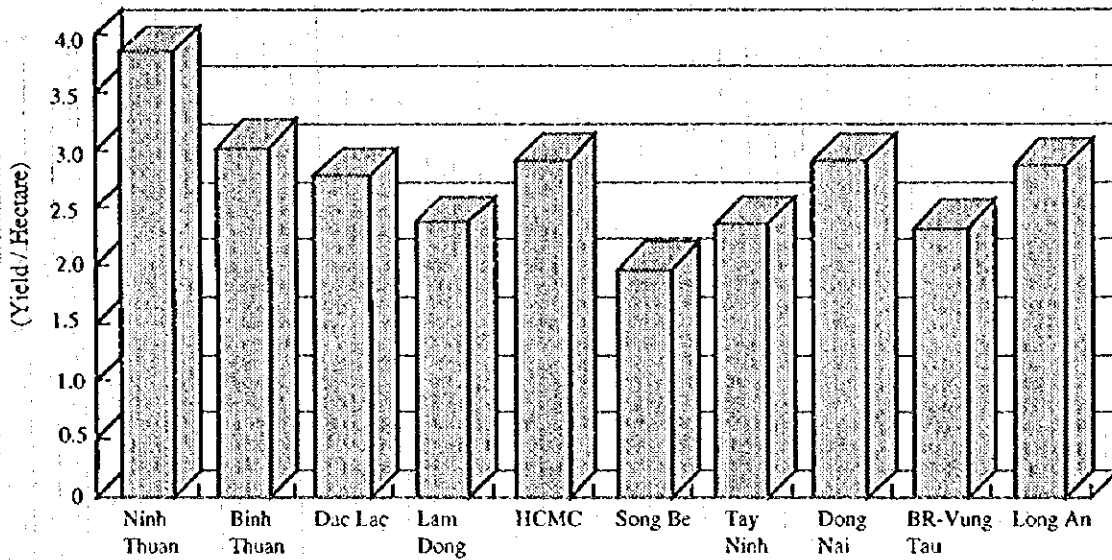
**Figure 1.3**  
 Population and Its Density by Province  
 in the Study Area, 1993

**(1) Paddy Production (Average : 1990-1993)**



Note : For Dac Lac, Lam Dong and Long An provinces, their shares belonging to the study area were taken into account.

**(2) Paddy Production Yield (Average: 1990-1993)**

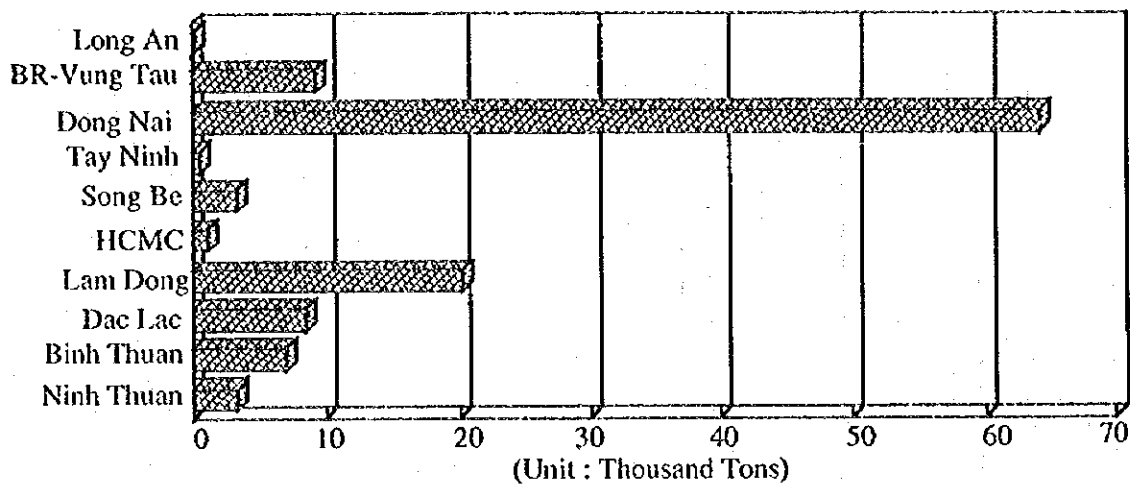


Source : Statistical Yearbook 1994, General Statistical Office

**Figure 1.4**

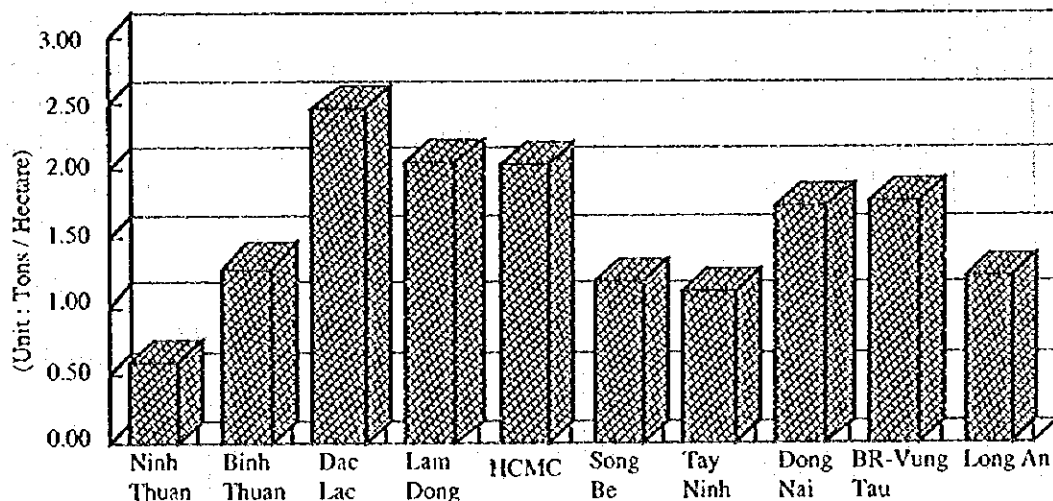
**Paddy Production and Its Yield by Province**

(1) Maize Production (Average : 1990 - 1993)



Note : For Dac Lac, Lam Dong and Long An, their shares belonging to the study area were taken into account.

(2) Maize Yield (Average : 1990 - 1993)

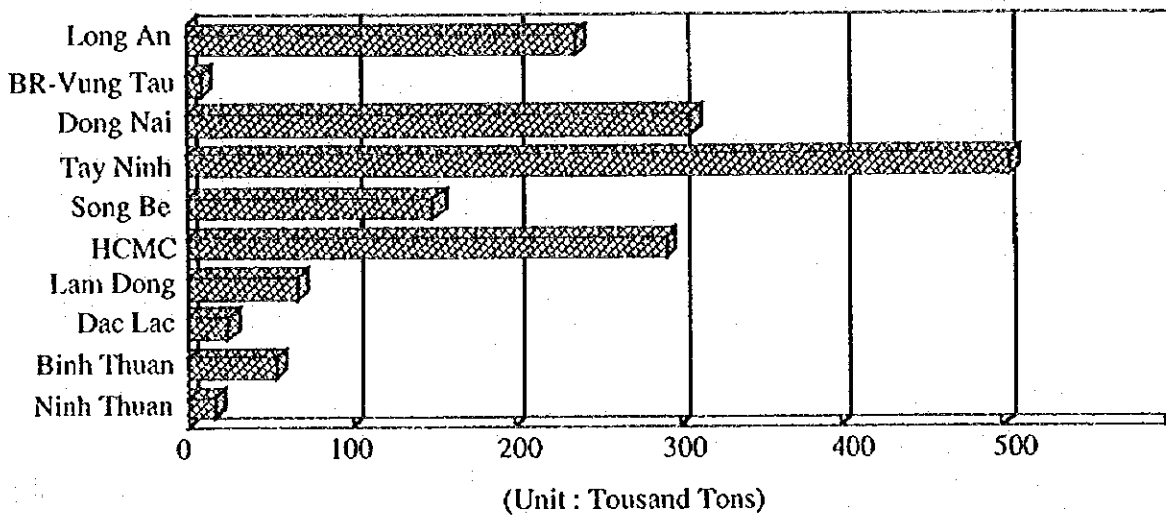


Source : Statistical Yearbook 1994, General Statistical Office

Figure 1.5

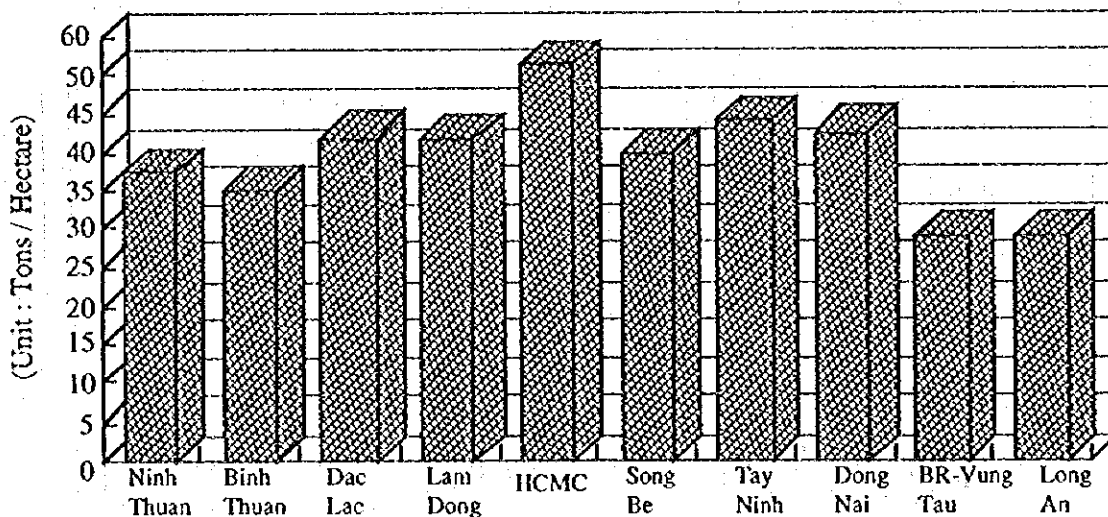
Maize Production and Its Yield by Province

(1) Sugarcane Production (Average : 1992 - 1993)



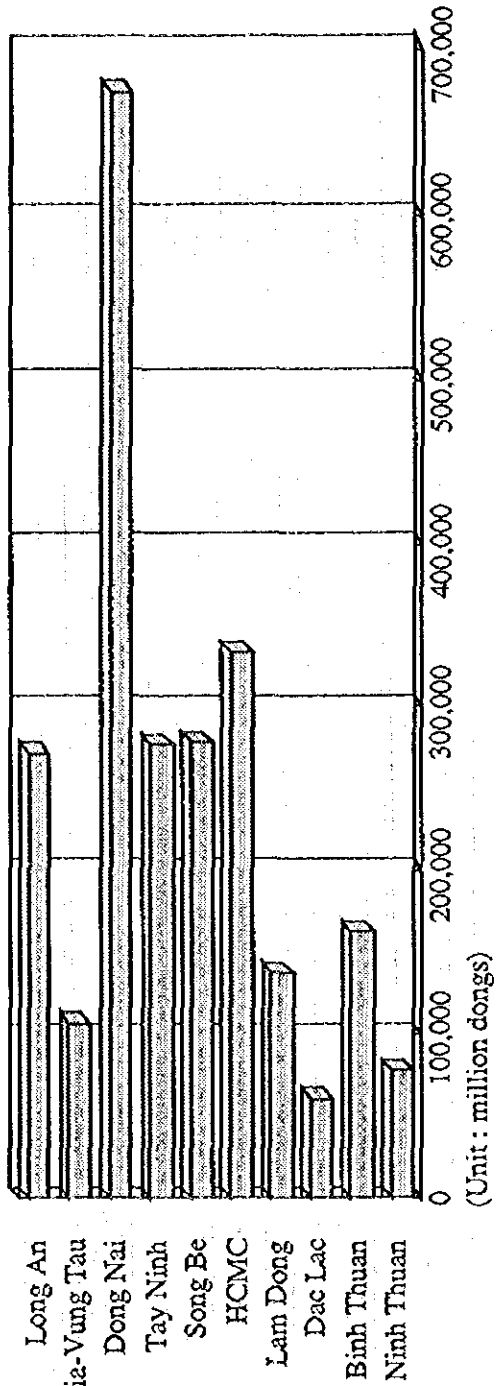
Note : For Dac Lac, Lam Dong and Long An provinces, their shares belonging to the study area were taken into account.

(2) Sugarcane Yield (Average : 1992 - 1993)

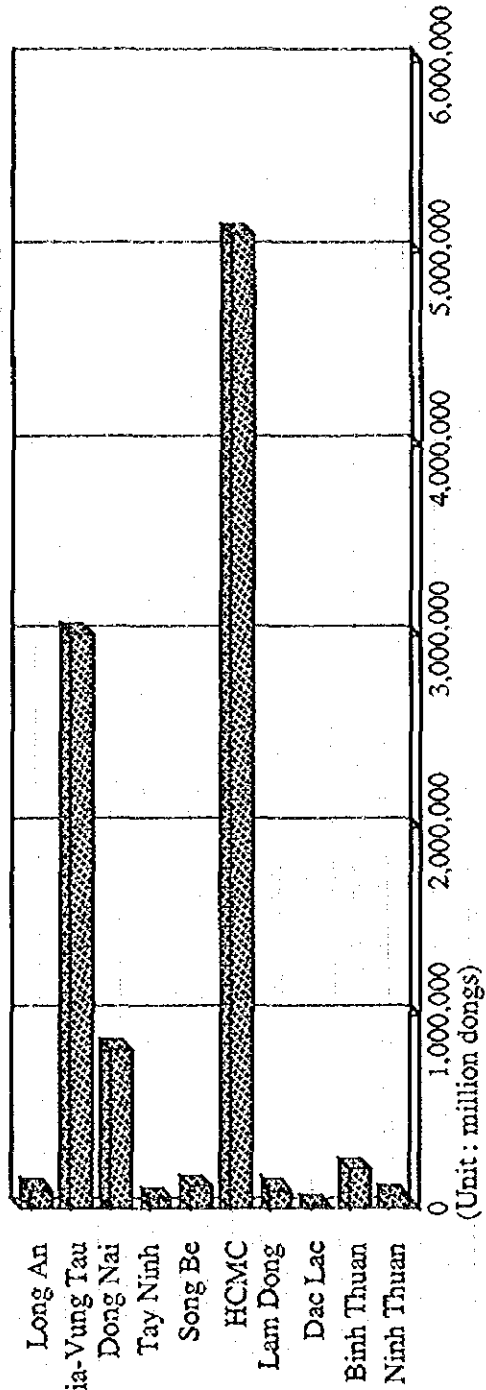


Source : Statistical Yearbook 1994, General Statistical Office

(1) Gross Production of the Agriculture (at Constant Price of 1989)



(2) Gross Production of the Industry



Source : Economy and Finance of Viet Nam, 1986-1992

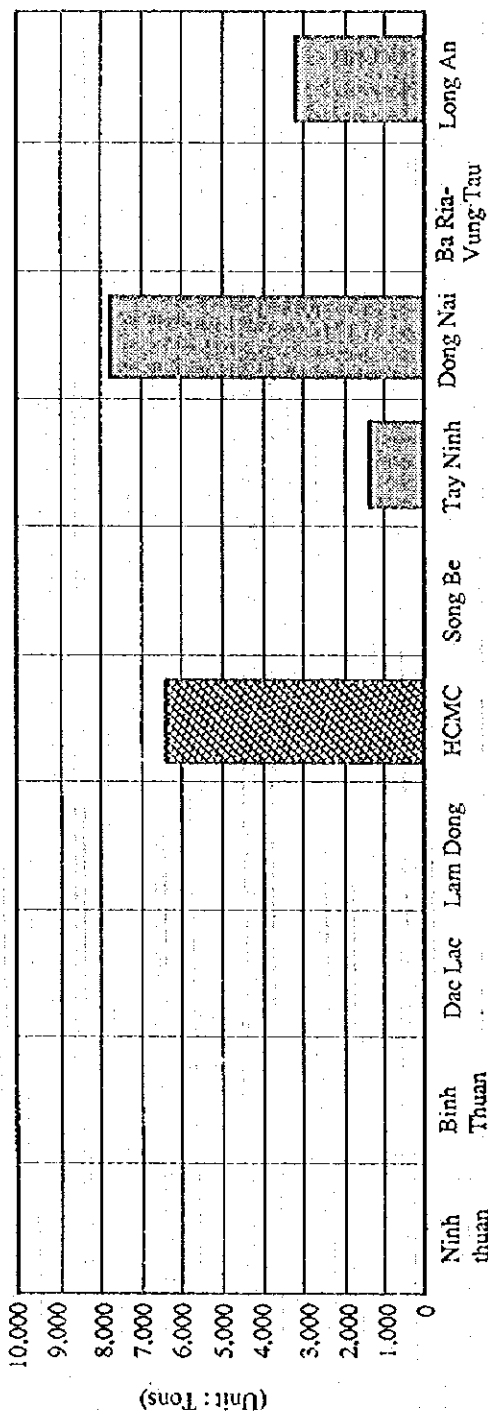
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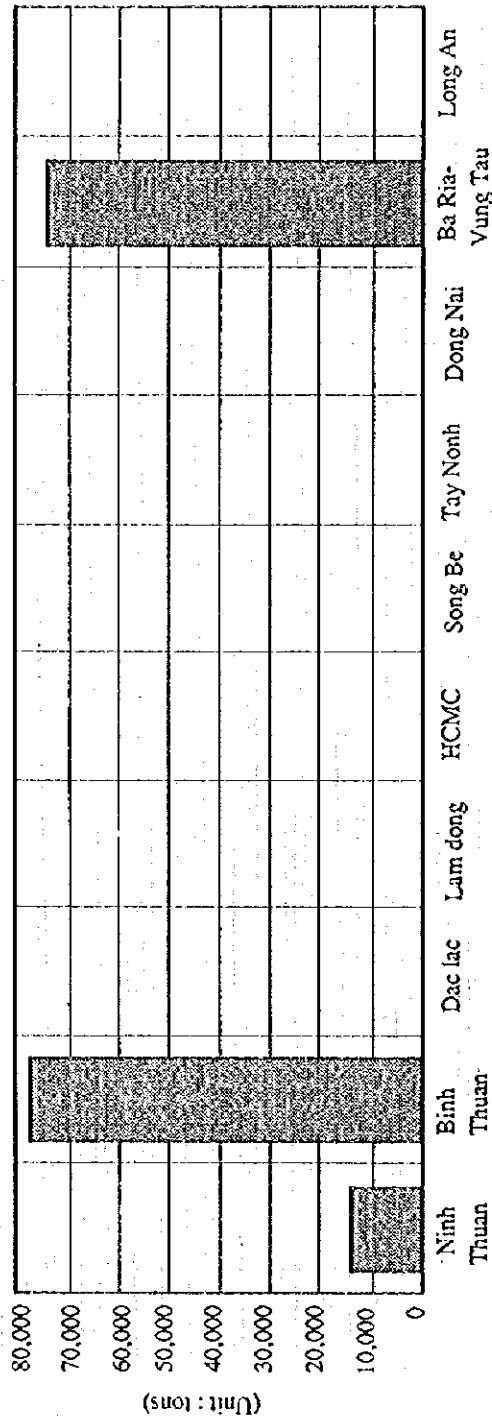
Figure 1.7

Gross Productions of Agriculture  
 and Industry, 1992

(1) Gross Output of Fresh Water Fish by Province (Average : 1990 - 1993)



(2) Aquaculture Production in 1993 (by Pivotal Provinces)

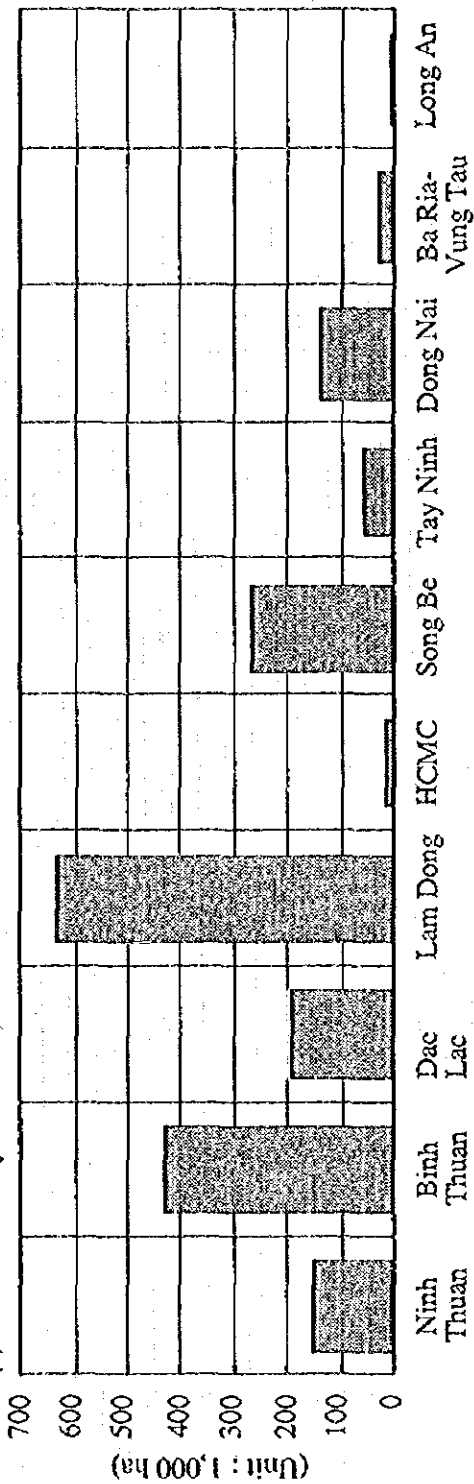


Source : Statistical Yearbook 1994, General Statistical Office and Statistical Data of Vietnam's Economy, 1993

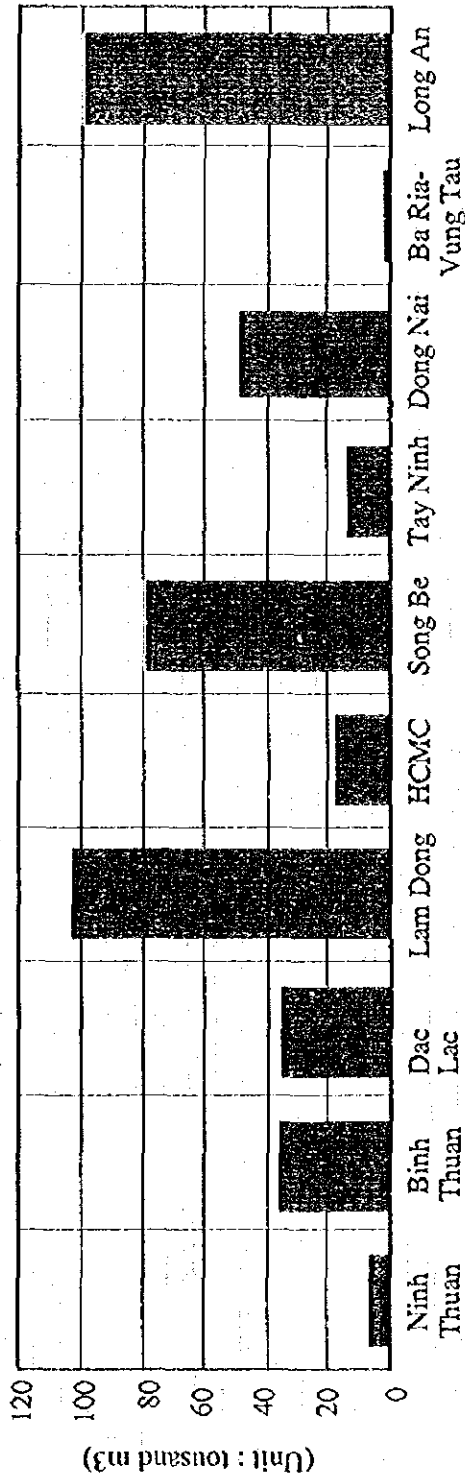
Figure 1.8

Fresh Water Fish and Aquaculture  
 Production in the Study Area

(1) Forest Area by Province, 1993



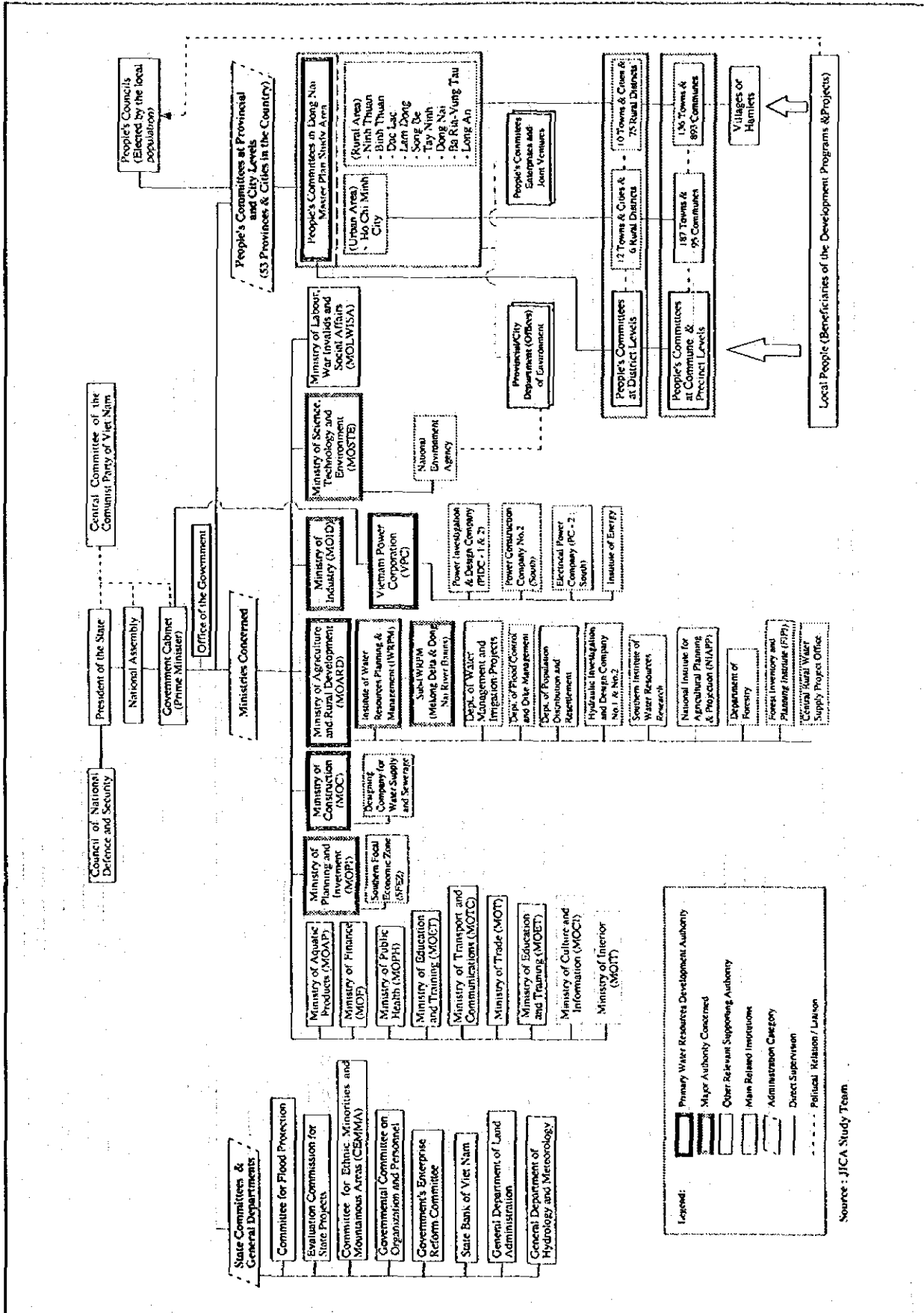
(2) Gross Output of Wood Exploited by Province (Average : 1992 - 1993)



Note : For Dac Lac, Lam Dong and Long An provinces in Figure (2) : Gross Output of Wood Exploited, their shares belonging to the study area were taken into account.

Source : Statistical Yearbook 1994, General Statistical Office

Figure 1.9  
 Forest Area and Wood Exploited  
 in the Study Area



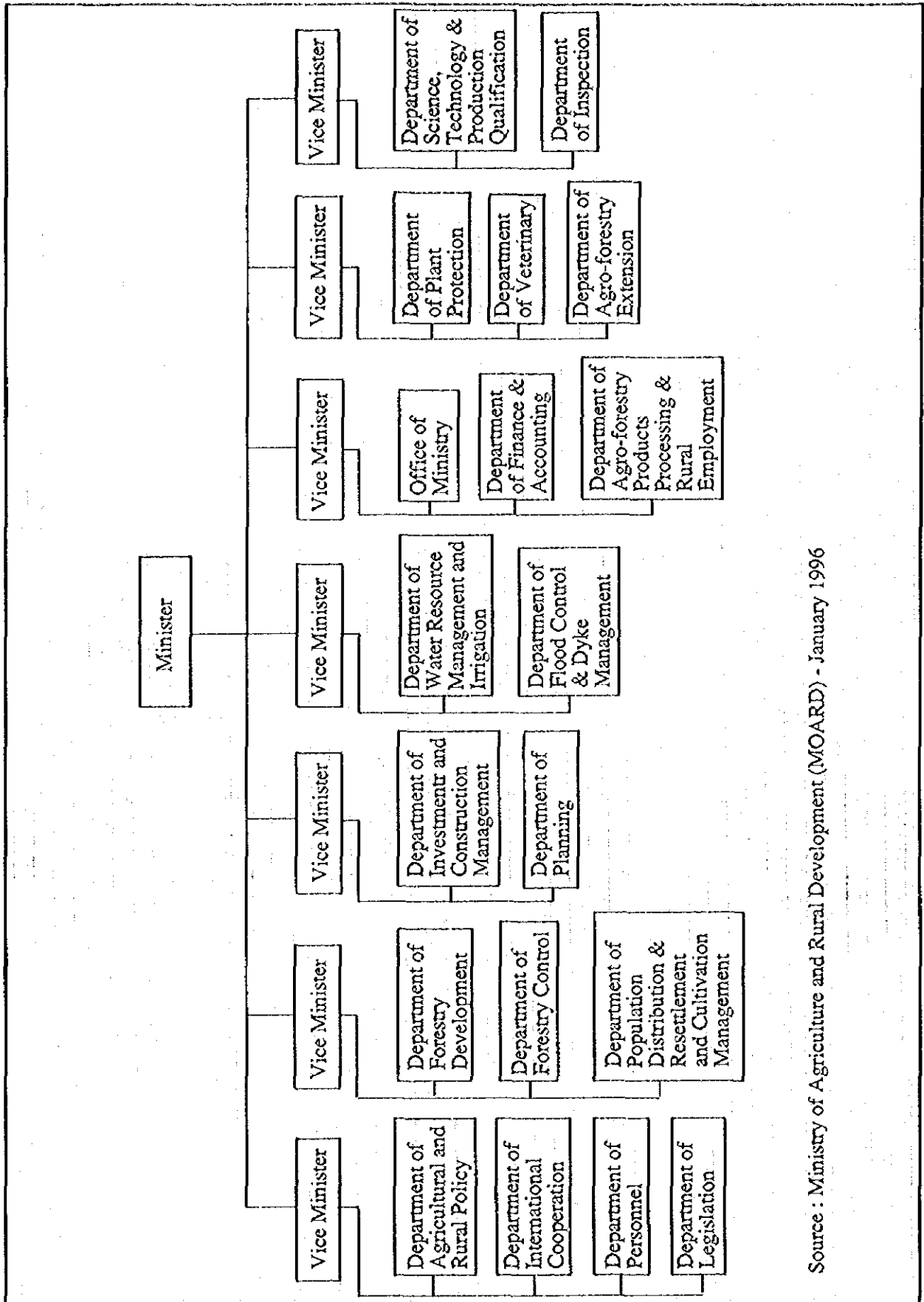
Source: JICA Study Team

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**Figure 2.1**  
**Organization Structure for Water Resources Development**  
**in Viet Nam (Main Agencies and Institutions Related to**  
**the Dong Nai Master Plan Study)**

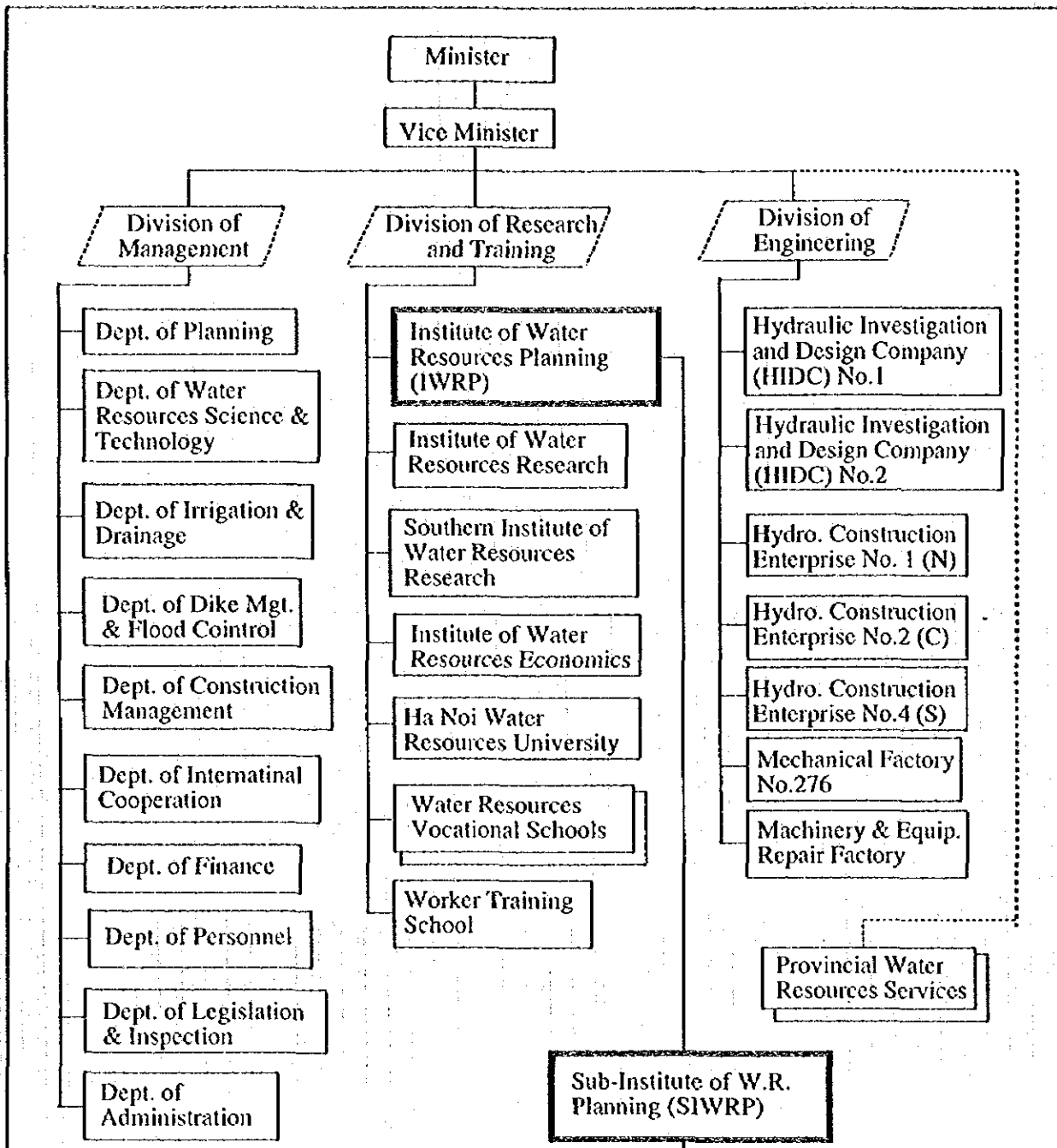




Source : Ministry of Agriculture and Rural Development (MOARD) - January 1996

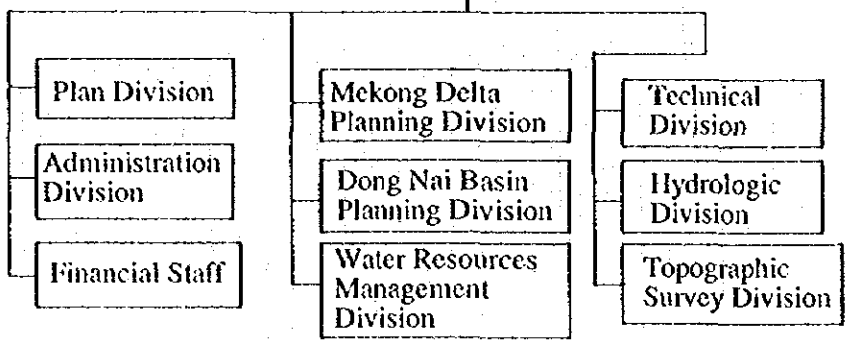
Figure 2.2 (1)

Organization Chart of the Ministry of Agriculture and Rural Development (MOARD)



Source : MOWR

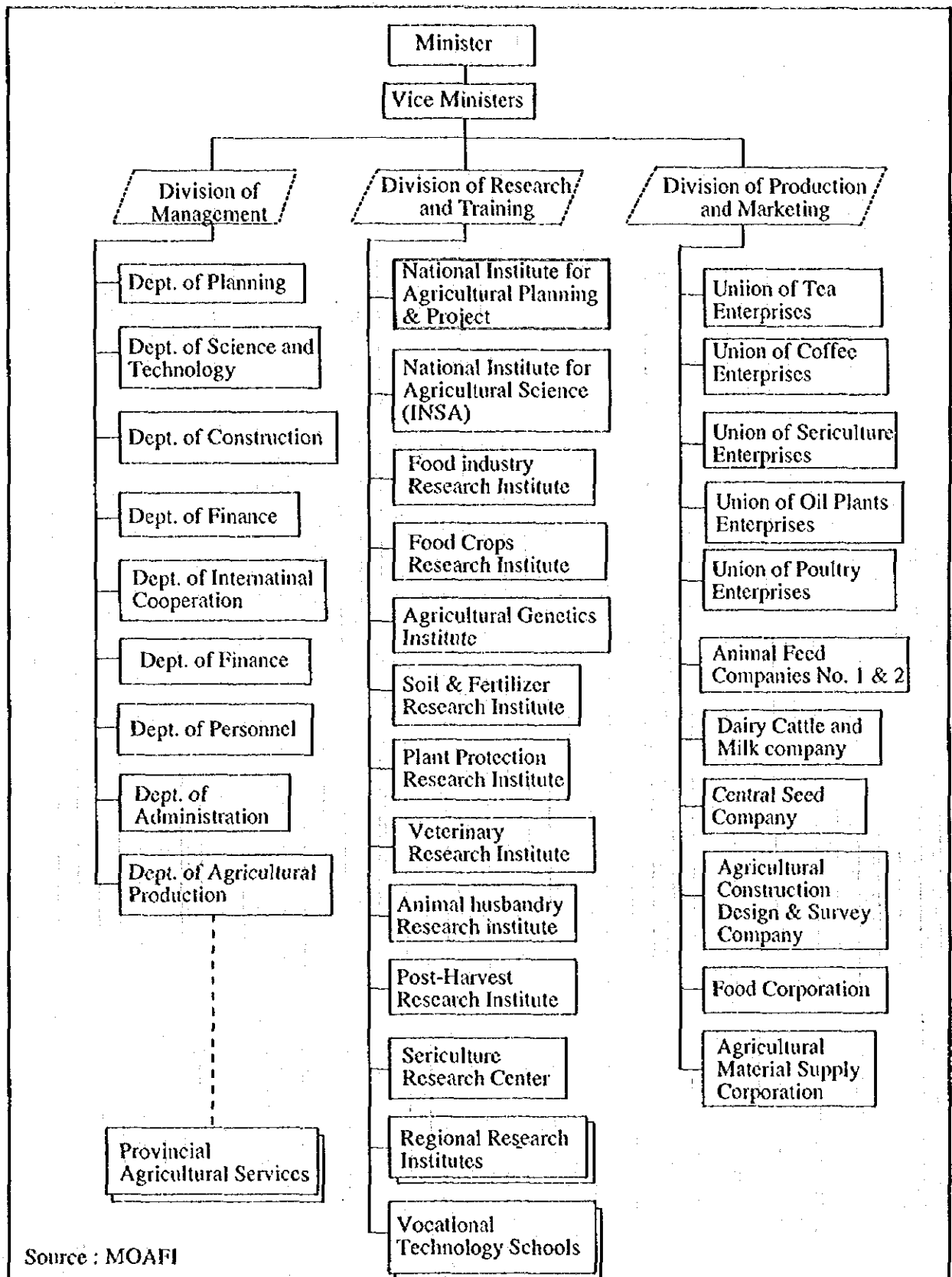
Note : In November 1995, MOWR was abolished and integrated into the Ministry of Agriculture and Rural Development (MOARD), together with the former Ministry of Agriculture and Food Industry (MOAFI) and Ministry of Forestry (MOFO).



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Figure 2.2 (2)  
 Organization Chart of the Former Ministry of Water Resources (MOWR)

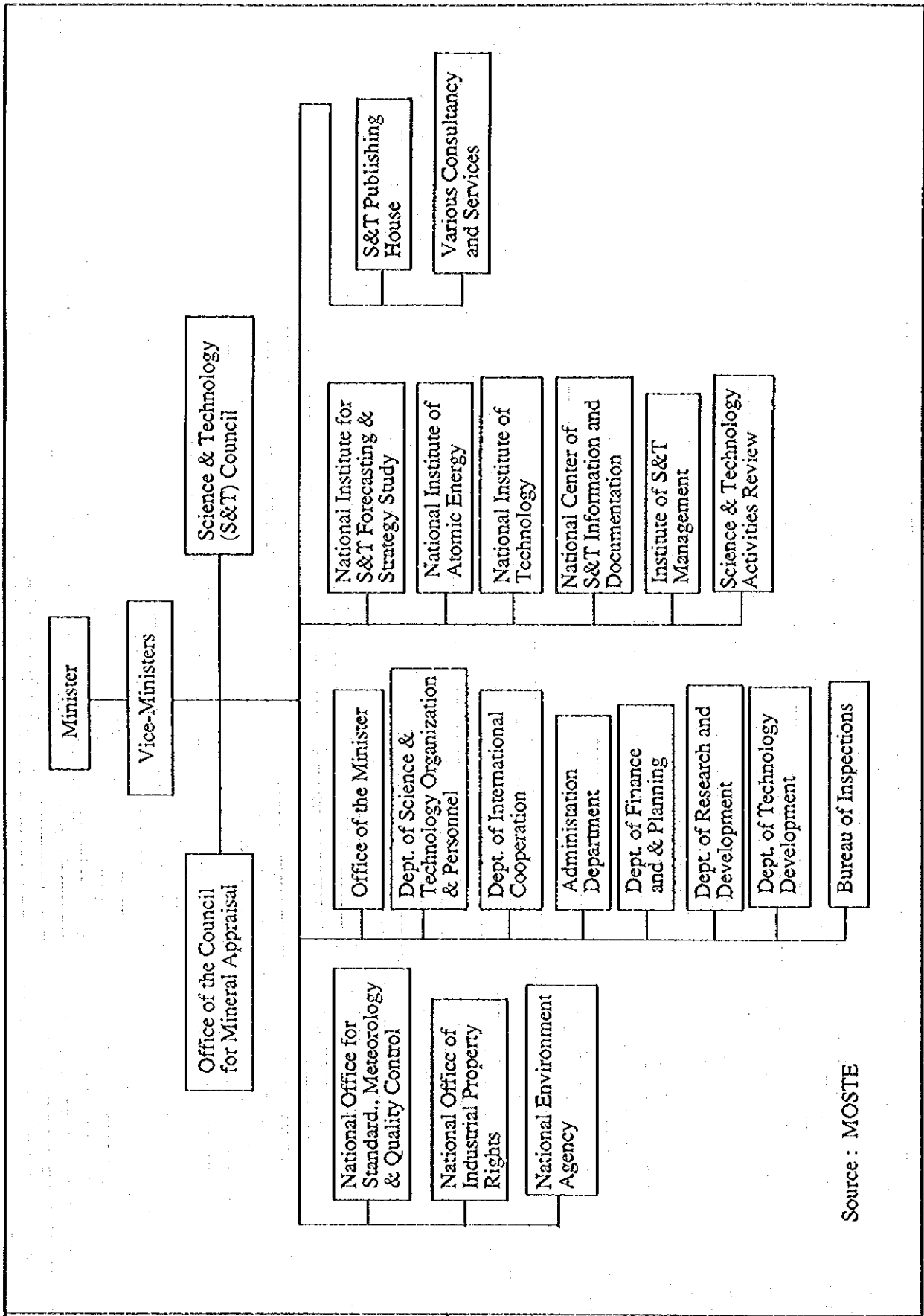


Source : MOAFI

Note : In November 1995, MOAFI was integrated into the Ministry of Agriculture and Rural Development (MOARD), together with the former Ministry of Water Resources (MOWR) and Ministry of Forestry (MOFO).

Figure 2.3

Organization Chart of the Former Ministry of Agriculture and Food Industry (MOAFI)

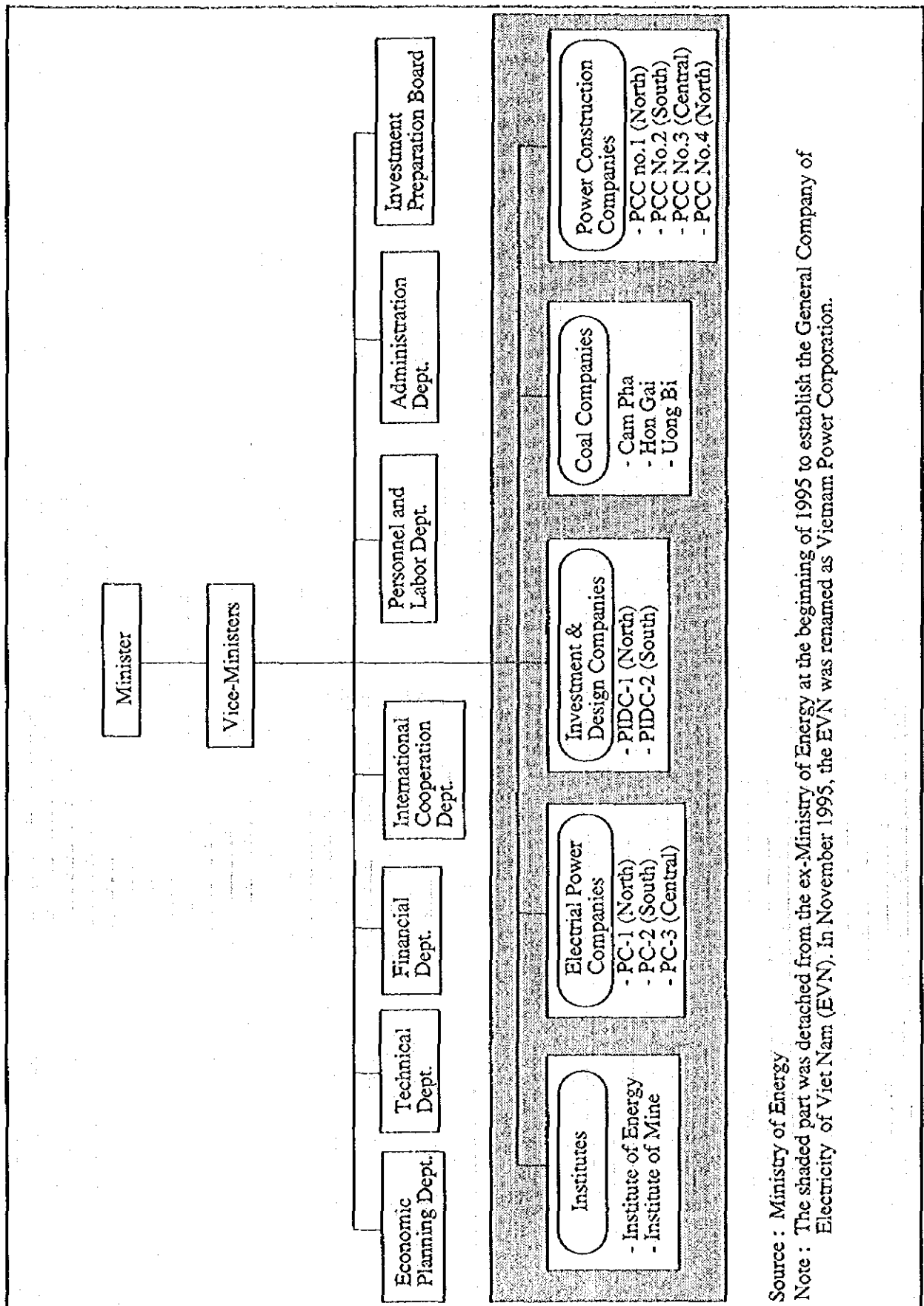


Source : MOSTE

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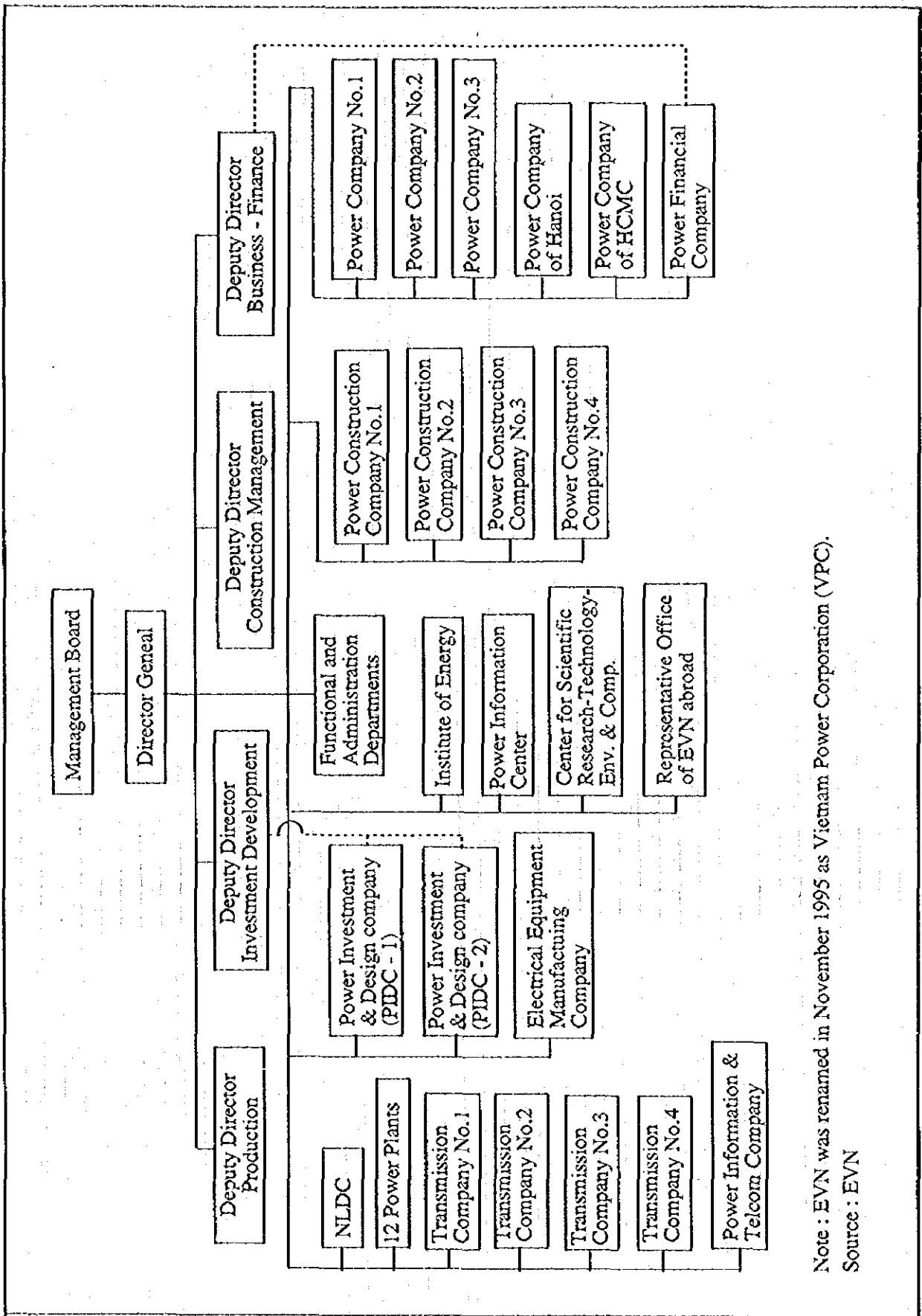
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**Figure 2.4**  
**Organization Chart of the Ministry of Science, Technology and Environment (MOSTE)**



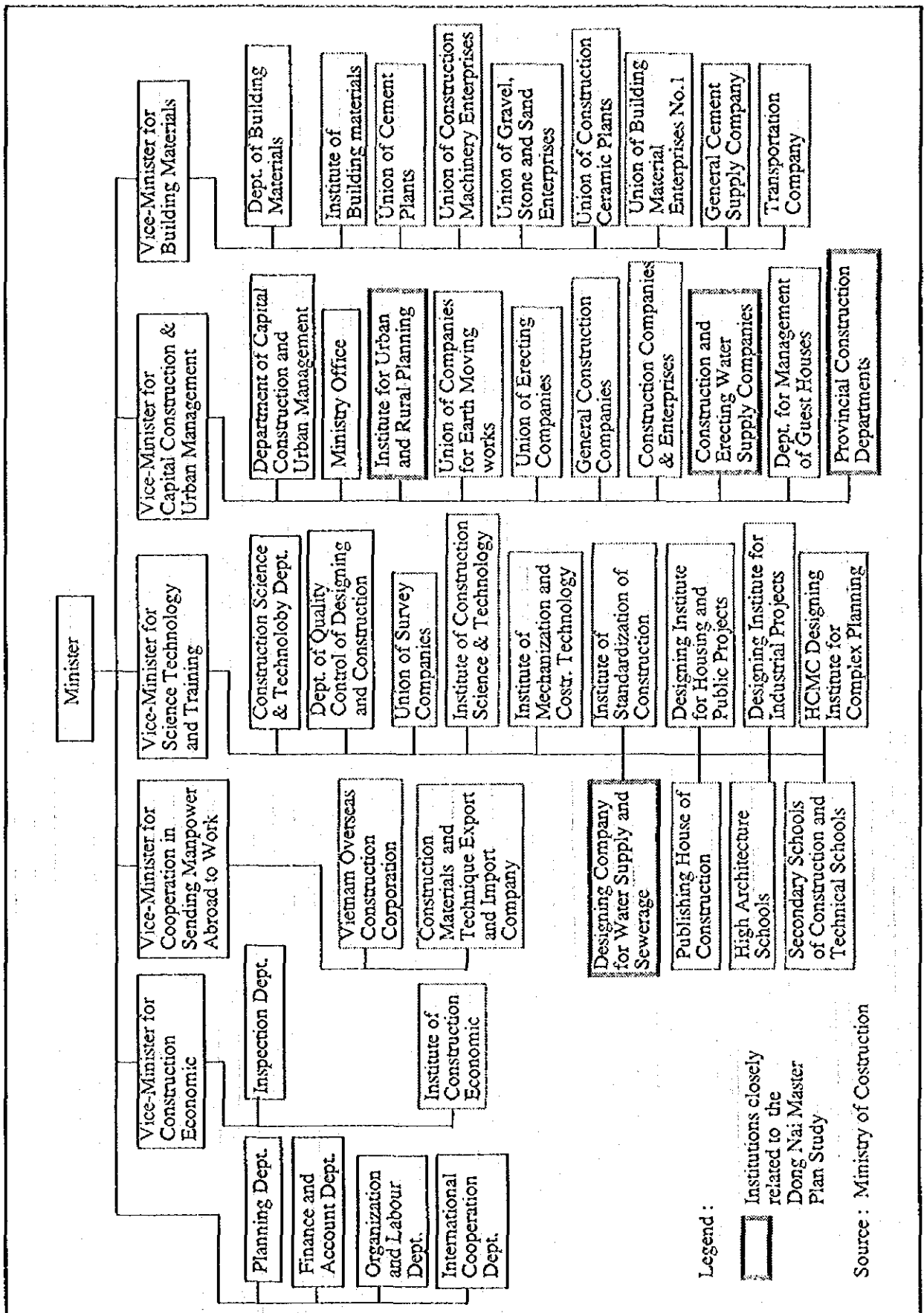
Source : Ministry of Energy  
 Note : The shaded part was detached from the ex-Ministry of Energy at the beginning of 1995 to establish the General Company of Electricity of Viet Nam (EVN). In November 1995, the EVN was renamed as Vietnam Power Corporation.

Figure 2.5  
 Organization Chart of the Former Ministry  
 of Energy (MOE)



Note : EVN was renamed in November 1995 as Vietnam Power Corporation (VPC).  
 Source : EVN

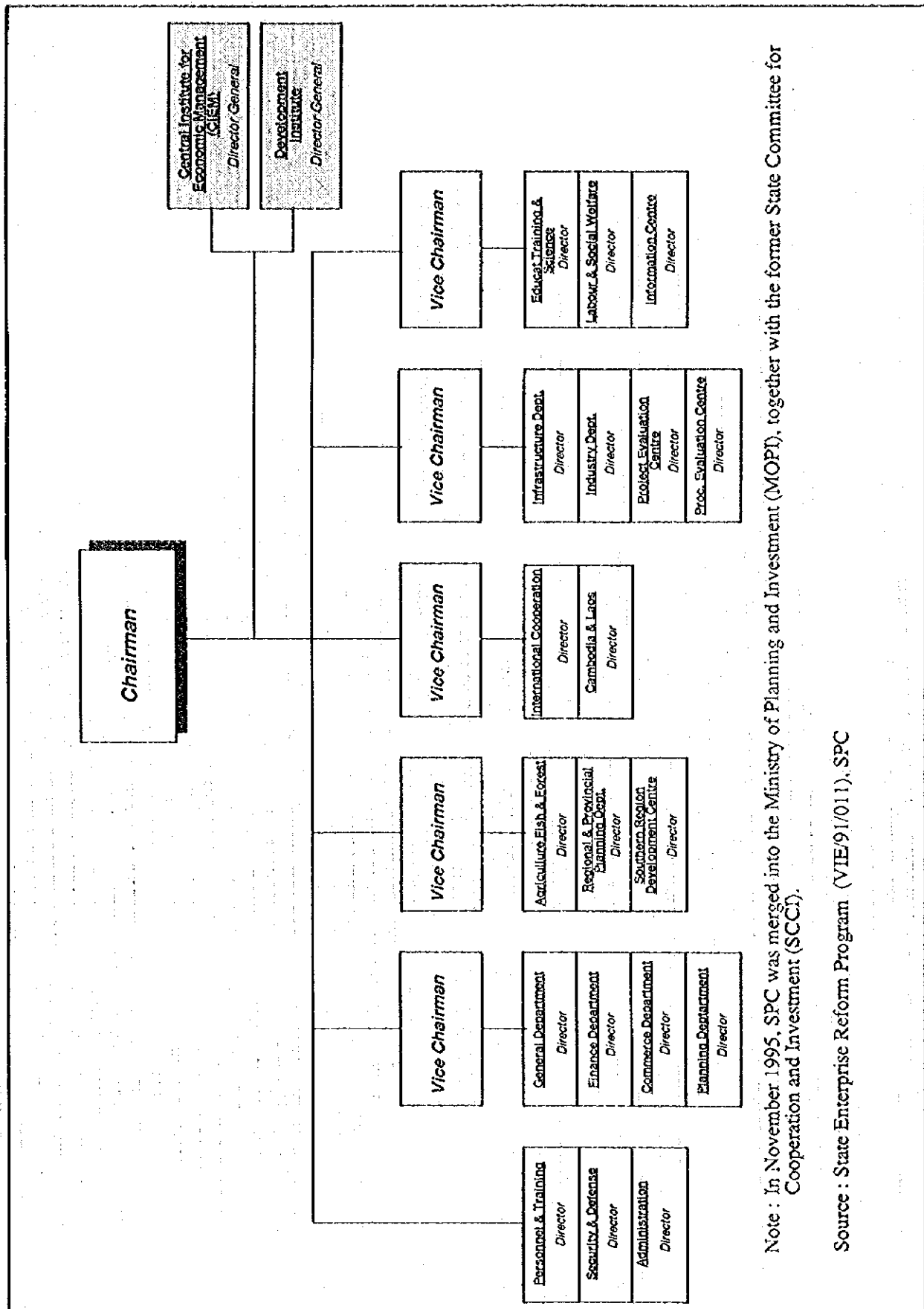
Figure 2.6  
 Organization Chart of the Former General  
 Company of Electricity of Viet Nam (EVN)



Legend :  
 [Double-line box] Institutions closely related to the Dong Nai Master Plan Study

Source : Ministry of Construction

Figure 2.7  
 Organization Chart of the Ministry of Construction (MOC)

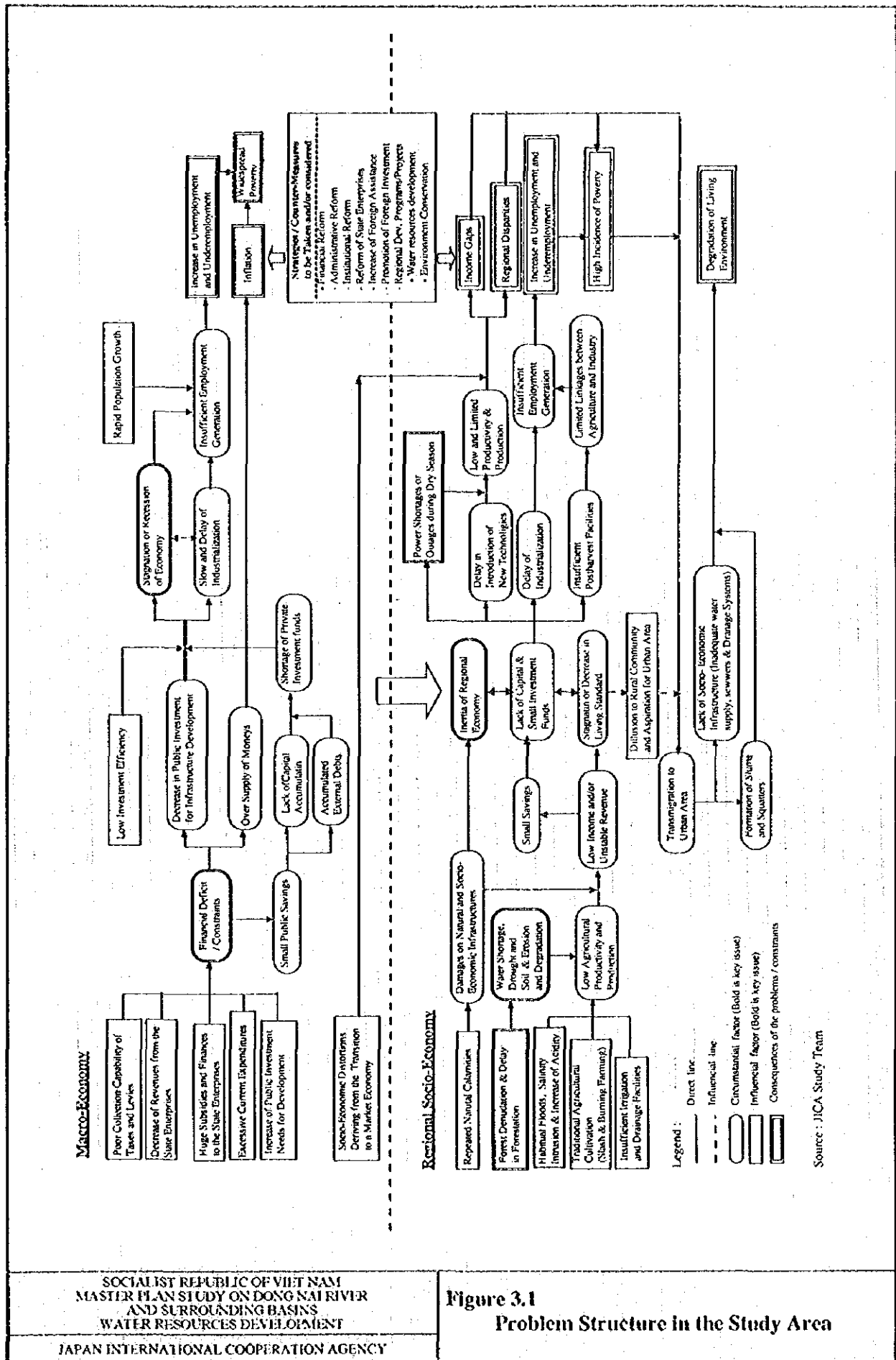


Note : In November 1995, SPC was merged into the Ministry of Planning and Investment (MOPI), together with the former State Committee for Cooperation and Investment (SCCI).

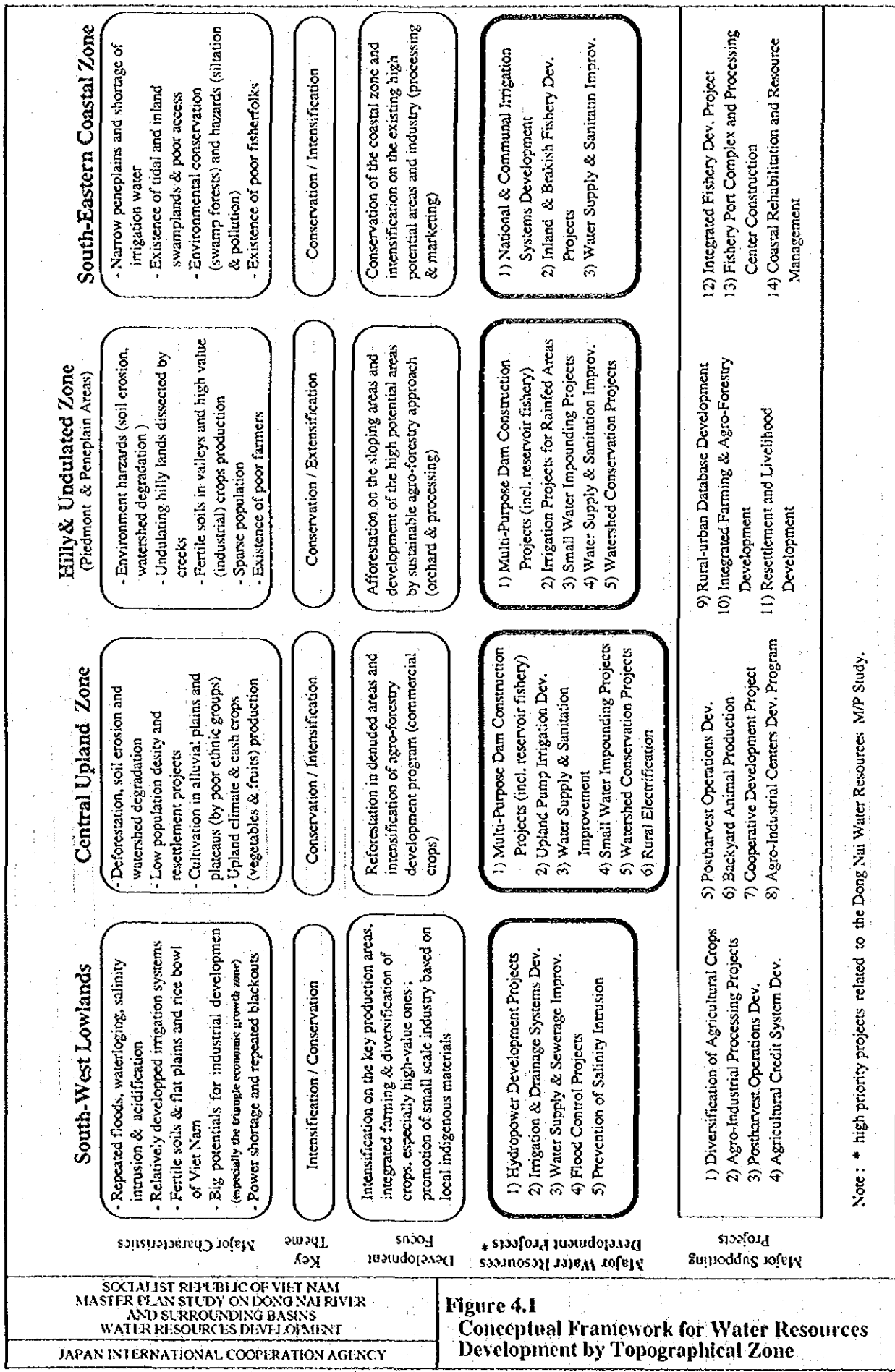
Source : State Enterprise Reform Program (VIE/91/011), SPC

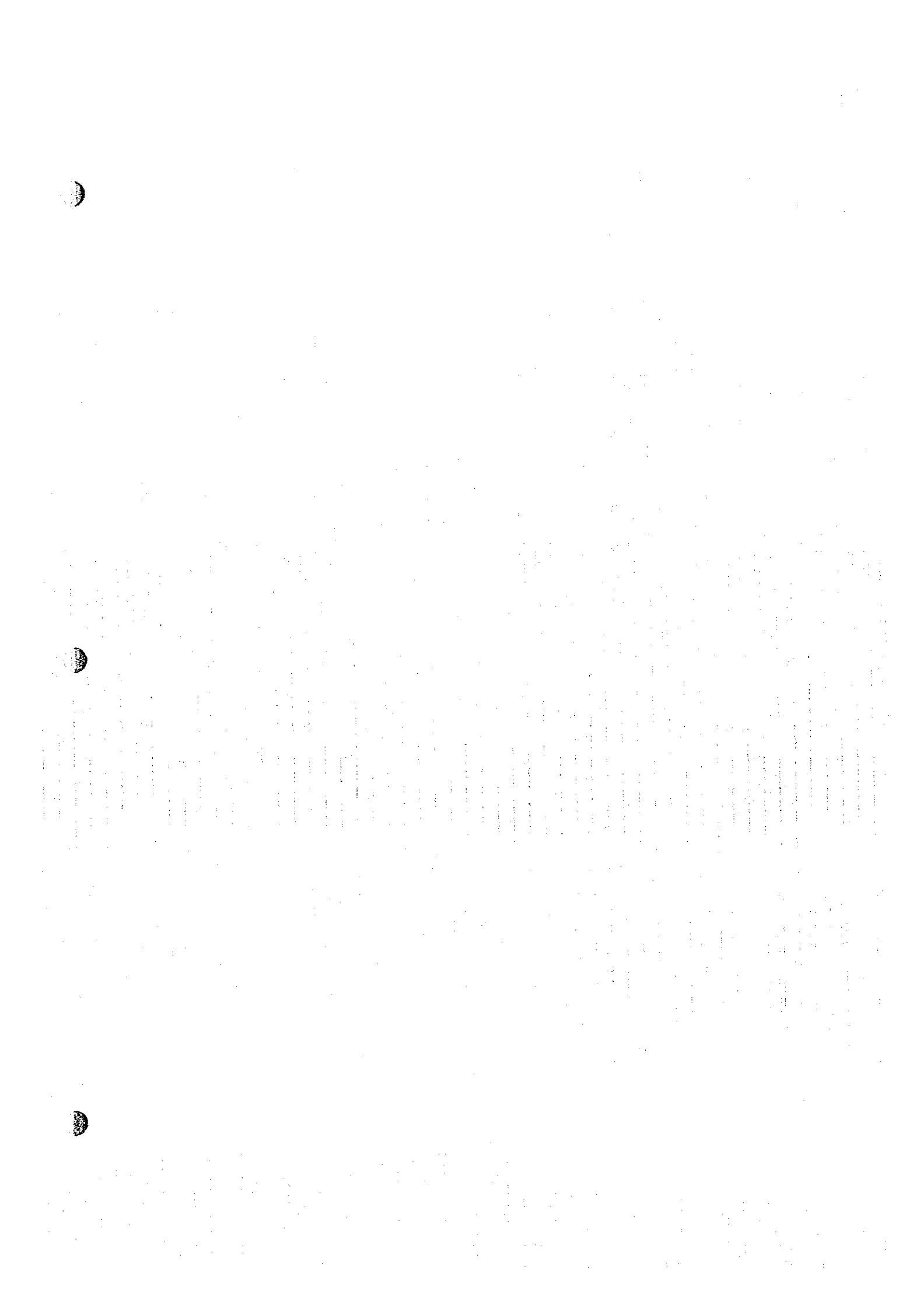
Figure 2.8  
 Organization Chart of the Former State  
 Planning Committee (SPC) (March 1995)





**Figure 3.1**  
**Problem Structure in the Study Area**









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