

Appendix E

Socio-economy

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Socio-economy

Table of Contents

	Page
1 SOCIO-ECONOMIC CONDITION	E-1
1.1 National Socio-economy.....	E-1
1.1.1 General.....	E-1
1.1.2 Population	E-1
1.1.3 National Economy	E-2
1.2 Regional Socio-economy of 14 River Basins	E-7
1.2.1 Bang Giang & Ky Cung River Basins.....	E-7
1.2.2 Red and Thai Binh River Basins	E-9
1.2.3 Ma River Basin.....	E-12
1.2.4 Ca River Basin.....	E-14
1.2.5 Thach Han River Basin	E-16
1.2.6 Huong River Basin	E-17
1.2.7 Vu Gia-Thu Bon River Basin	E-19
1.2.8 Tra Khuc River Basin.....	E-21
1.2.9 Kone River Basin.....	E-22
1.2.10 Ba River Basin.....	E-24
1.2.11 Dong Nai River Basin	E-26
1.2.12 Se San River Basin	E-29
1.2.13 Srepok River Basin.....	E-30
1.2.14 Cuu Long River Basin	E-32
 2 DEVELOPMENT PLANS OF THE GOVERNMENT.....	 E-35
2.1 General.....	E-35
2.2 Socio-economic Goals Toward 2020.....	E-35
2.3 Strategy for Socio-economic Development in the Period 2001-2010 Presented at the 9th National Congress.....	E-35
2.3.1 Achievement of 1991-2000 Socio-economic Strategy	E-35
2.3.2 Overall Goals of 2001-2010 Socio-economic Strategy	E-36
2.3.3 Sectoral Development Orientations.....	E-37
2.3.4 Regional Development Orientations	E-38
2.4 Five-Years Plan for Socio-economic Development from 2001 to 2005	E-40

3	SOCIO-ECONOMIC DEVELOPMENT FRAMEWORK	E-42
3.1	Development Scenarios and Framework	E-42
3.1.1	Population Projection	E-42
3.1.2	Economic Development	E-42
3.2	Development Targets of the Provinces in the River Basins.....	E-44
3.2.1	Bang Giang and Ky Cung River Basin.....	E-44
3.2.2	Red and Thai Binh River Basin (Red River Delta)	E-45
3.2.3	Red and Thai Binh River Basin (Outside of Red River Delta)	E-46
3.2.4	Ma River Basin.....	E-47
3.2.5	Ca River Basin.....	E-48
3.2.6	Thach Han River Basin	E-49
3.2.7	Huong River Basin	E-50
3.2.8	Vu Gia-Thu Bon River Basin	E-51
3.2.9	Tra Khuc River Basin.....	E-52
3.2.10	Kone River Basin.....	E-53
3.2.11	Ba River Basin.....	E-54
3.2.12	Dong Nai River Basin.....	E-55
3.2.13	Sesan River Basin	E-56
3.2.14	Srepok River Basin.....	E-57
3.2.15	Cuu Long River Delta.....	E-58

List of Tables

	Page
Table E.1	Area, Population, Sex, Urban, Rural, and Population Density by Province .ET-1
Table E.2	Average Population and Annual Growth Rate by ProvinceET-2
Table E.3	Average Population, Urban, Rural, and Annual Growth Rate by Province...ET-3
Table E.4	Number of Households, Population, and Average Family SizeET-4
Table E.5	Number and Density of HouseholdsET-5
Table E.6	Gross Domestic ProductET-6
Table E.7	Gross Domestic Product by Industries, Distribution, and Growth RatesET-6
Table E.8	Gross Domestic Product by Economic Activity (Billion Dongs, Current Price).....ET-7
Table E.9	Planted Area of Major CropsET-8
Table E.10	Production of Major CropsET-9
Table E.11	Yield of Major Crops.....ET-9
Table E.12	Gross Output of AgricultureET-10
Table E.13	Major Import and Export CommoditiesET-11
Table E.14	Growth of Industrial Gross OutputET-12
Table E.15	Labor Force Population by Sex, Urban and Rural.....ET-13
Table E.16	Labor Force Population by ProvinceET-14
Table E.17	Average Population and Annual Growth Rate of Provinces in River BasinsET-15
Table E.18	Average Population, Urban, Rural, and Annual Growth Rate of Provinces in River Basins.....ET-16
Table E.19	Gross Regional Domestic Product (GRDP) by River Basin (1/2) to (2/2)ET-17
Table E.20	Economic Growth of Provinces in River Basins by Industry (1/2) to (2/2)ET-19
Table E.21	Changes of Industrial Share in GRDP of Provinces in River Basins (1/2) to (2/2)ET-21
Table E.22	Gross Output of Agriculture, Forestry, and Fishery of Provinces in River Basins (1/2) to (2/2)ET-23
Table E.23	Gross Output of Industry of Provinces in River Basins.....ET-25
Table E.24	Retail Sales of Goods and Services of Provinces in River BasinsET-26
Table E.25	Population Projection by Provinces, Urban, and Rural (1/2) to (2/2)ET-27
Table E.26	Economic Development Plan by River Basin (Future GRDP of Provinces in River Basins) (1/6) to (6/6)ET-29

List of Figures

	Page
Figure E.1	Gross Domestic Product.....EF-1
Figure E.2	Per Capita GDPEF-1
Figure E.3	Changes of Industrial Structure.....EF-1
Figure E.4	River Basins and ProvincesEF-2
Figure E.5	Marco-economic Targets of the Provinces by River Basin (1/8) to (8/8)EF-3

Appendix E Socio-economy

1 SOCIO-ECONOMIC CONDITION

1.1 National Socio-economy

1.1.1 General

The Socialist Republic of Vietnam (Vietnam) occupies the easternmost part of Indochina and is bordered by China on the north, by the Gulf of Tonkin on the east, by the South China Sea on the southeast, by the Gulf of Thailand on the southwest, and by Cambodia and Laos on the west with a total area of 329,241 sq km. Hanoi is the capital of Vietnam, and Ho Chi Minh City is the country's largest city.

Vietnam is administratively divided into 57 provinces and 4 municipalities (Hanoi, Hai Phong, Ho Chi Minh City, and Da Nang).

1.1.2 Population

According to the latest population and housing census as of April 1, 1999, the population of Vietnam was 76,323 thousand, yielding a population density of about 232 persons per sq. km as shown in Table E.1. The urban population was 18,077 thousand (23.7%) and the rural population was 58,246 thousand (76.3%).

Results of Population and Housing Censuses 1989 and 1999

Unit: 1,000 persons					
Year	Total	Male	Female	Urban	Rural
1989	64,376	31,231(49%)	33,145(51%)	12,473(19%)	51,903(81%)
1999	76,323	37,469(49%)	38,854(51%)	18,077(24%)	58,246(76%)
Average annual growth					
rate (1989-1999):	1.7%	1.8%	1.6%	3.8%	1.2%

The total population increased by 11.95 million during 10 years from 1989 to 1999 according to the results of censuses in 1989 and 1999. The average annual growth rate of the population is about 1.7% in the same period. The average annual growth rate of urban population is relatively high at 3.8%, while that of rural population is low at 1.2% in the same period.

Table E.2 shows the average population and the average annual growth rate of population by province. The population growth rates of the central highlands region including Dak Lak Province and the Southeast region including Ho Chi Minh City are remarkably high. Table E.3 shows that the urban population growth rates of the two regions are high at more than 5% in the recent five years. It is probably due to influx of rural population into

urban areas for jobs.

Table E.4 shows number of household and family size by province. The average family size is about 4.6 and it does not show large difference among provinces, urban, and rural. However, the density of household varies largely from province to province as shown in Table E.5. Hanoi is the most dense at 697 households/km² followed by Ho Chi Minh City with 485 households/km². On the other hand, Northwest and Central Highlands regions are still scarce.

1.1.3 National Economy

(1) Gross Domestic Product

Gross Domestic Product (GDP) of Vietnam in 1999 was 399,942 billion Dongs (approximately US\$ 28.7 billion) and GDP per capita in the same year was 5.2 million Dongs (approximately US\$ 370) as shown in Table E.6.

Average annual growth rate of GDP during 10 years from 1989 to 1999 was 7.5% on a constant price basis, while that of GDP per capita was 5.8%. However, those during three years from 1996 to 1999 decelerated to 6.2% and 4.6%, respectively due to the influence of the regional economic crisis. Yearly changes of GDP and GDP per capita are shown in Figures E.1 and E.2, respectively.

GDP by industrial origin is shown in Table E.7. GDP of agriculture, forestry and fishery accounted for 42%, while industry and construction accounted for 23%, and services accounted for 35% in 1989. However, during 10 years from 1989 to 1999, the industrial structure had changed gradually as shown in Figure E.3. Agriculture, forestry and fishery decreased their ratio to 25% while industry & construction and services increased their ratios to 34% and 40%, respectively. The average annual growth rates of the sectors are 3.9%, 10.5%, and 7.6%, respectively during 10 years from 1989 to 1999 on a constant price basis. More detailed breakdown of GDP by economic activity is given in Table E.8. Although the ratio of agriculture in GDP has been declining year after year, it is still the largest economic activity in GDP and is of the utmost importance to Vietnam since it is providing a living for more than 60% of the labor force.

(2) Agriculture

a) Agricultural Production

Paddy is the major production in Vietnam. About 70% of farmlands have been occupied by paddy cultivation as presented in Table E.9. Production of paddy was about 25 million tons including spring, autumn, and winter cultivation in 1995 but it increased by 6.4 million tons to 31.4 million tons in 1999 as shown in Table E.10.

The yield of paddy also increased from 44.3 quintal/ha in 1995 to 48.8 quintal/ha in 1999 for spring cultivation as shown in Table E.11.

Total production of paddy was 31.4 million tons in 1999. Out of this production, spring, autumn, and winter paddy occupied 45%, 28%, and 27%, respectively. The production and yield of each paddy crops from 1995 to 1999 shows increasing trends.

Maize, sweet potatoes, and cassava are the next major food production in Vietnam occupying 6.5%, 2.5%, and 2.1% of the farmlands in 1999, respectively.

Major annual industrial crops are sugar cane, peanut, and soybean, which produce 17.7 million tons, 318 thousand tons, and 147 thousand tons in 1999, respectively. The cultivation area of industrial crops was increased, while the yields of the crops were also increased year by year.

Main multi-year industrial crops are tea, coffee (Robusta), rubber, pepper, and coconut. The productions of these crops were 70,000 tons, 510,000 tons, 249,000 tons, 31,000 tons, and 1,104,000 tons, respectively in 1999. The production areas of each crop are shown in Table E.9.

Livestock farming is also a important agricultural activity in Vietnam. Breeding of buffaloes, cattle, pigs, and poultry has been widely carried out and these numbers are approximately 2,956 thousand, 4,063 thousand, 18,886 thousand, and 179.3 million heads in 1999. The gross output of livestock farming was approximately VND22,000 billion, which accounted for 18% of agricultural output and growing more than 5% annually as shown in Table E.12.

b) Export of Agricultural Production

Vietnam is the second largest rice and coffee exporter in the world. The exported amount of rice varied from 3,477,000 tons to 4,508,000 tons per year during these four years from 1997 to 2000. However, export turnover of rice changed depending on the international market price of rice and it has been dropping recent years. In 1998, the exported volume of rice was 3,749,000 tons that was equivalent to 1,024 million US Dollars and it accounted for 11% of total export. In 2000, the export volume decreased to 3,477,000 tons and its export turnover was 668 million US Dollars. It accounted for only 4.6% of total export turnover.

Export of coffee (Robusta) is also the same situation. The exported volume of coffee was 382,000 tons that was equivalent to 594 million US Dollars and it accounted for 6.4% of the total export in 1998. However the price of coffee dropped sharply in 2000 and 2001. The export volume increased almost twice to 734,000

tons but on the contrary, its turnover decreased to 501 million US Dollars.

Not only the prices of rice and coffee, but also those of other agricultural crops fluctuate from year to year. Therefore, it is important to diversify the agricultural production and to improve the quality of crops. The major import and export commodities are shown in Table E.13.

(3) Industry

Industrial gross output of Vietnam was VND245,828 billion (US\$17.63 billion) in 1999. Between 1995 and 1999, industrial sector output grew at an average annual growth rate of 13%, and industrial GDP by 10.7%, well above whole GDP growth rate of 7% during the same period. The share of industrial sector in GDP has been increasing as shown in Figure E.3 and the sector has been the main driving force of the economy's recent rapid growth. The government intends the sector to grow 10% per year by the official plans to 2010 and to turn the country into an industrialized country by 2020.

Approximately 30 % of all industrial output comes from food and beverage production (20%) and crude petroleum and natural gas (11%). The other sectors that account for more than 5% of total industrial output are chemical and chemical products, non-metallic mineral products, electricity, gas and fuel. Table E.14 shows growth of industrial gross output for 5 years from 1995 to 2000. Most of the industrial sub-sectors have enjoyed their high annual growth reflecting the national industrial expansion. Particularly, the production of office equipment and computing machinery is growing remarkably. Several sub-sectors have expanded by more than 20% annually, notably leather tanning and processing, rubber and plastic products, fabricated metal products, office and computing equipment, electrical machinery and apparatus, and production and repairing other transport equipment.

(4) Service

The services sector is the largest contributor to the Vietnamese economy, accounting for 40% of the GDP. The service sector in Vietnam is diverse, ranging from self-employment in micro enterprises such as street food vending, small-scale trade, to large-scale trade enterprises. Wholesale and retail trade, real estate services, financial intermediation services, and tourism-related services such as hotels and restaurants have been the largest contributor of the high economic growth. Foreign direct investment inflows fueled growth in the real estate business such as office and apartments, and tourism-related services.

Tourism has become Vietnam's fourth largest foreign-exchange earner. The total number of visitors grew from 7,000 in 1986 to around 200,000 in 1990 and an estimated 1.8

million in 1999.

(5) Labor Force

According to the Population and Housing Census 1999, the population aged 13 years and over was 54,729 thousand. Out of the population, economically active population, defined as working and unemployed population who has intention to work was 38,211 thousand and it accounted for 70% of the population as shown in Table E.15 and summarized below.

Economically Active Population in 1999 (1,000 persons)					
	Total	Male	Female	Urban	Rural
1. Population aged 13 and over	54,729	26,386	28,343	13,881	40,847
2. Economically non-active	16,508	6,461	10,047	5,285	11,224
3. Economically active	38,211	19,920	18,291	8,594	29,617
- Worked	36,420	18,889	17,531	7,792	28,628
- Unemployed (has intention to works)	1,791	1,031	760	801	989
4. Unemployment ratio	4.7%	5.2%	4.2%	9.3%	3.3%

Source: Population and Housing Census Vietnam 1999, Completed Census Results

Unemployment ratio of Vietnam was 4.7% in 1999. Unemployment ratio of urban area was high at 9.3%, while that of rural area was 3.3%.

Table E.16 shows labor force population by province as of April 1, 1999 based on the population in working age (male: 15-60 years old, female: 15-55 years old). The unemployment rates of the large cities such as Hanoi, Hai Phong, Da Nang, and Ho Chi Minh are relatively high at more than 7%. Provably this occurred because migrant workers from rural area come into urban area for job opportunities.

(6) Prices

Prices in Vietnam are relatively stable these two years in 1999 and 2000. Especially the prices of food and food services have gone down during the same period. This is probably due to influence of the drop of the international prices of foods. The prices of housing and building materials, pharmaceutical products and medical services, and education showed relatively high increasing rates among categories. The average annual increasing rate of general index was 4.9% from 1994 to 2000, while that of food is 5.6% during the same period.

Consumer Prices Index							
Category	% change year on year						Annual average
	1995	1996	1997	1998	1999	2000	
Consumer Price Index	12.7	4.5	3.6	9.2	0.1	-0.6	4.9
- Food and food services	19.8	4.4	1.3	12.3	-1.9	-2.3	5.6
- Beverages and cigarettes				5.3	2.6	0.3	2.7
- Garments and footwear				2.3	1.9	0.4	1.5
- Housing and building materials				1.7	2.5	4.7	3.0
- Household equipment				2.5	3.5	2.3	2.8
- Pharmaceutical products and medical services				8.7	4.1	3.6	5.5
- Transport and postal services				3.0	1.6	1.9	2.2
- Education				9.6	3.8	4.1	5.8
- Culture, sports, and entertainment				1.3	1.9	0.9	1.4
- Other goods and services				4.0	3.1	4.1	3.7

Source: - Country Economic Review, Socialist Republic of Viet Nam, November 2000
- Statistical Yearbook 2000, GSO

Note: CPI of December of each year compared with December of previous year

(7) Export and Import

The merchandise trade balance of Vietnam runs a structural deficit, with exports covering approximately 70 to 90 % of imports. The export had been increasing faster than import and the trade deficit had narrowed until 1999. However, it widened again in 2000.

Merchandise Trade of Vietnam									
	Trade Turnover (Million US\$)					% Change Year on Year			
	1996	1997	1998	1999	2000	96-97	97-98	98-99	99-00
Export (FOB)	7,256	9,146	9,339	11,520	14,448	26	2	23	25
Import (CIF)	11,144	11,592	11,527	11,623	15,635	4	-1	1	35
Balance	-3,888	-2,446	-2,188	-103	-1,187				

Source: - General Department of Customs
- Country Report, Vietnam, July 2001, the Economic Intelligence Unit
- Country Profile 2001, Vietnam, the Economic Intelligence Unit

Table E.13 shows import and export of major commodities. The major export commodities are crude petroleum, textile & clothing, marine products, and footwear, which account for 24%, 13%, 10%, and 10% of the total export turnover, respectively in 2000. As discussed in the subsection (3) Agriculture, Vietnam is the second largest rice and coffee exporter in the world. However, the export turnover of rice and coffee has been decreasing due to drop of their international market prices.

The major import commodities are machinery & equipment, petroleum products, leather & clothing, iron & steel, and fertilizers.

Japan remains Vietnam's largest individual trading partner in terms of export turnover (17.6% of total exports). The share of EU has gone up significantly in the last two years, from 16.1% in 1997 to 30.9% in 1999. Vietnam concluded the bilateral trade agreement with the United States in 2000 and this will accelerate Vietnam's affiliation to the World Trade Organization. Since the economy is slowing down in most regions of the world

including the United States, EU, and Asia, the commodity exports will become a keen competition.

(8) Foreign Currency Exchange Rate

The State Bank of Vietnam is the central bank of the country. The crawling peg system, introduced in February 1999, allowed the interbank exchange rate to depreciate by a maximum 0.1% per day from the previous day's average interbank market rate. Foreign currency exchange rates against U.S. Dollar and Japanese Yen are summarized below.

Foreign Currency Exchange Rate (Vietnamese Dongs)						
Currency	1996	1997	1998	1999	2000	Dec.3, 2001
One U.S. Dollar	11,038	11,683	13,268	13,943	14,168	15,068
One Japanese Yen	102	97	102	122	131	122.12

Source: 1996 - 2000: Country Profile 2001, Vietnam, the Economic Intelligence Unit
Nov.1, 2000: Vietcombank, Transfer, middle rate

Note: 1996 - 2000: Annual average rates

1.2 Regional Socio-economy of 14 River Basins

Socioeconomic condition of the 14 river basins will be discussed in the following subsections based on existing studies and statistical data. Since the information of district level is not available at this state, the socioeconomic conditions of the river basins are on provincial level. The socioeconomic information such as population, GRDP, labor force, etc. to be discussed here is based on the data on the provinces, whose major part of territory is included in the pertinent river basin. The administrative boundaries and the objective 14 river basins are shown in Figure E.4.

1.2.1 Bang Giang & Ky Cung River Basins

(1) Location

The Bang Giang River basin is located in the Northeast region with a catchment area of 11,220 km² in the territory of Vietnam. The basin occupies eastern half of Cao Bang, major part of Lang Son, and a small eastern part of Bac Kan Provinces. Only 10 percent (or 135,000 ha) of land in the basin is cultivable, and the land is scattered due to the rugged topography of the area.

(2) Population

The total population of Cao Bang and Lang Son Provinces is 1.21 million inhabitants; population density is still low at about 81 persons/km², nearly 10 times less than the Red River delta as shown in Table E.17. The ratio of rural population is high at 83% of the total population. The majority of the people in the basin are ethnic minority.

Population of Bang Giang & Ky Cung River Basins in 2000			
Province	Population (1,000)	Pop. Density person/km ²	Rural Population (%)
Cao Bang	497	74	87
Lang Son	711	86	81
Total	1,208	81	83

Source: Statistical Yearbook 2000, GSO

The average annual population growth rates of Cao Bang and Lang Son Provinces were 0.2% and 1.2% respectively during 10 years from 1990 to 2000. However, those of rural areas are low at -0.2% and 0.5% respectively during the same period as shown in Table E.18.

(3) Economic Activities

a) GRDP

The GRDP of the Bang Giang & Ky Cung River basins in 2000 was estimated at VND3,584 billion (approx. US\$253 million), which account for 0.8% of the national GDP.

GRDP of Bang Giang & Ky Cung River Basins in 2000						
Province	GRDP (Billion VND)	Per capita GDP (D1,000)	Share (%)			Avg. ann. growth rate (%)
			Agri.	Industry	Service	
Cao Bang	1,404	2,823	53	14	33	12.9
Lang Son	2,180	3,068	49	12	38	9.2
Total	3,584	2,967	51	13	36	10.5

Source: Socio-economic Statistical Data of 61 Provinces and Cities in Vietnam, GSO

The average annual growth rate of GRDP from 1995 to 2000 was 10.5%, which is much higher than national growth rate of 6.9% on a constant price basis as shown in Tables E.19 and E.20

The shares of agriculture, forestry and fishery are approximately 51%, while those of industry and service sector are 13% and 36%, respectively as shown in Table E.21.

b) Agriculture, forestry, and fishery

The gross output of agriculture, forestry, and fishery of both the provinces was VND2,045 billion and their share was about 80%, 20%, and 0.1%, respectively in 1998 as shown in Table E.22. The major crops of the basin are rice, maize, sweet potatoes, cassava, cotton, sugar cane, peanut, soybean, tobacco, etc. Animal husbandry is also practiced such as buffaloes, cattle, pigs, and poultry.

c) Industry and construction

GRDP of industry and construction increased remarkably at an average annual

growth rate of 23% from 1995 to 2000. However, industry sector is still weak in the river basin. Major products are related to forestry products, building materials, and handicrafts such as bricks, wood things, wine, milled food, manganate ore, stone, etc.

d) Service sector

Since the basin is located at the northern border with China, it has unique trade advantages. The share of the service sector in GRDP is relatively large at 36% in 2000.

(4) Major Socioeconomic Issues

- The per capita GRDP in the river basin are approximately 40% lower than the national average.
- Regional agriculture is under transformation from self-supporting, self-sufficiency toward commercial production. The quality of crops varieties and livestock is still poor.
- Agricultural and forestry products processing industry is not highly developed. Key industries have not been grown yet.
- Services such as electricity, telecommunication, finance, banking are unremarkable. At remote, mountainous, ethnic minority area, exchange of goods takes place in rural markets.

1.2.2 Red and Thai Binh River Basins

(1) Location

The Red River rises in the mountains in southern China, and then flows southeast across northern Vietnam. The river passes through Hanoi, the nation's capital, and empties into the Gulf of Tonkin. The total catchment area is 169,000 km², of which about half (87,400 km², including the delta) lies within Vietnam. The Red and Thai Binh River Basins cover large area of North Vietnam, which includes Northeast, Northwest, and Red River Delta Regions sharing 27% of the total land area of the country, extends over the capital, one city and 21 provinces. The basin can be divided into two from socio-economic characteristics; Red River Delta and other areas. Red River Delta occupies Ha Noi, Hai Phong, Vinh Phuc, Ha Tay, Bac Ninh, Hai Duong, Hung Yen, Ha Nam, Nam Dinh, Thai Binh, and Ninh Binh. Other areas includes Ha Giang, Lao Cai, Bac Kan, Tuyen Quang, Yen Bai, Thai Nguyen, Phu Tho, Bac Giang, Quang Ninh, Lai Chau, Son La, Hoa Binh, a western part of Cao Bang and a southern part of Lang Son.

(2) Population

The total population of the Red and Thai Binh River basins was 27,050 thousand inhabitants in 2000. Out of this, the population of Hanoi was 2,736 thousand and it accounted for about 10% of the basin population. The population of the Red River Delta was 17,018 thousand with a population density of 1,151 persons/km² while that of other area in the basin was 10,032 thousand with a population density of 117 persons/km² (Table E.17).

Population of the Red and Thai Binh River Basins in 2000			
Region	Population (1,000)	Pop. Density person/km ²	Rural Population (%)
Red River Delta	17,018	1,151	80
Other area	10,032	117	84
Total	27,050	268	81

Source: Statistical Yearbook 2000, GSO

The ratio of rural population is about 81% of the basin population.

The average annual population growth rate of the Red and Thai Binh River basins during 10 years from 1990 to 2000 was about 1.4% and those of urban and rural areas are 3.4% and 1.0%, respectively (Table E.18).

(3) Economic Activities

a) GRDP

The GRDP of the Red and Thai Binh River basins in 2000 was estimated at VND106,341 billion (approx. US\$7,506 million), which account for about 24% of the national GDP. Approximately 28% of the basin's GRDP was earned by Hanoi.

GRDP of the Red and Thai Binh in 2000						
Province/ Municipality	GRDP (Billion VND)	Per capita GDP (D1,000)	Share (%)			Avg. ann. growth rate (%)
			Agri.	Industry	Service	
Red River Delta	80,127	4,708	25	32	43	9.2
Other area in Red River Basin	26,214	2,613	38	27	35	8.3
Total	106,341	3,931	28	31	41	9.0

Source: Socio-economic Statistical Data of 61 Provinces and Cities in Vietnam, GSO

The average annual growth rate of GRDP from 1995 to 2000 was 9.0%, which is much higher than national growth rate of 6.9% on a constant price basis (Tables E.19 & E.20).

The shares of agriculture, forestry and fishery sector, industry and construction sector, and service sector in GRDP vary from province to province. Those of Hanoi are 4%, 38%, and 58%, respectively. On the contrary, those of Bac Kan and Son La Provinces are 59%, 11%, 30% and 61%, 9%, 30%, respectively. Those of the Red

and Thai Binh River basins, as a whole, are approximately 28%, 31% and 41%, respectively (Table E.21).

b) Agriculture, forestry, and fishery

The gross output of agriculture, forestry, and fishery was VND36,661 billion and the share of each category was about 90%, 5%, and 5%, respectively in 1998 (Table E.22). The amount accounts for 26% of the national output. The major crops of the basin are spring and winter rice, maize, jute, sweet potatoes, cassava, vegetable and beans, sugar cane, peanut, soybean, tobacco, tea, etc. Livestock farming is also practiced such as buffaloes, cattle, pigs, and poultry.

c) Industry and construction

The gross industrial output of the basin was VND58,832 billion in 1999 and it grew 13% from the previous year (Table E.23). The amount accounted for 24% of the national gross output of industry. Out of this figure, that of Red River Delta was VND45,843 billion and it accounted for 78% of the basin's output in industry. Major industrial products are electricity, electric devices, pharmaceutical products, washing powder, cement, glass, cloths, footwear, cigarettes, beverage, frozen sea products, steel, other construction materials, processed food, wood products, machinery, motorcycle, etc.

d) Service sector

Hanoi is the capital of the country and its GRDP in service sector accounted for about 39% of the basin's GDP in the same sector. Hai Phong and Quang Ninh are the next largest commercial center with international port. Average annual growth rate of the service sector was 9.0% from 1995 to 2000 in the basin. The share in GDP was high at 41% in 2000.

(4) Major Socio-economic Issues

Red River Delta

- Unemployment rates are high at 7.3% in urban areas in Red River Delta and 8% in Ha Noi in 2000.

Other Areas in the Basin

- The per capita GRDP in the area are approximately 40% lower than the national average.
- Regional agriculture is under transformation from self-supporting, self-sufficiency toward commercial production. The quality of crops varieties and

livestock is still poor.

- Agricultural and forestry products processing industry is not highly developed. Key industries have not been grown yet.
- Services such as electricity, telecommunication, finance, banking are unremarkable. At remote, mountainous, ethnic minority area, exchange of goods takes place in rural markets.

1.2.3 Ma River Basin

(1) Location

The major part of the Ma River basin (17,800 km² or 63%) lies in Vietnam, which is located in the Northwest and North Central regions. The basin occupies southeastern small part of Lai Chau, southwestern part of Son La, and almost whole area of Thanh Hoa Provinces. More than 80% is covered by mountains, where there is virtually no arable land except some forest cover of roughly 3,000 km².

(2) Population

The population of Thanh Hoa Province, that occupies most part of the lower basin of the river, is 3.5 million inhabitants with population density of 315 persons/km² (Table E.17). The ratio of rural population is high at 91% of the total population.

Population of the Ma River Basin in 2000			
Province	Population (1,000)	Pop. Density person/km ²	Rural Population (%)
Thanh Hoa	3,501	315	91

Source: Statistical Yearbook 2000, GSO

The average annual population growth rate of Thanh Hoa Province was 1.2% during 10 years from 1990 to 2000, while that of rural areas was low at 1.0% (Table E.18).

(3) Economic Activities

a) GRDP

The GRDP of the Ma River basins in 2000 was estimated at VND10,098 billion (approx. US\$713 million), which account for 2.3% of the national GDP. That of agriculture, forestry and fishery accounted for 3.7% while those of industry and service sectors accounted for 1.6% and 2.0% respectively.

GRDP of the Ma River Basin in 2000						
Province	GRDP (Billion VND)	Per capita GDP (D1,000)	Share (%)			Avg. ann. growth rate (%)
			Agri.	Industry	Service	
Thanh Hoa	10,098	2,884	40	26	34	7.3

Source: Socio-economic Statistical Data of 61 Provinces and Cities in Vietnam, GSO

The average annual growth rate of GRDP from 1995 to 2000 was 7.3%, which is slightly higher than national growth rate of 6.9% on a constant price basis (Tables E.19 & E.20).

The shares of agriculture, forestry and fishery are approximately 40%, while those of industry and service sector are 26% and 34%, respectively (Table E.21).

b) Agriculture, forestry, and fishery

The gross output of agriculture, forestry, and fishery of the provinces was VND4,658 billion and the share of each sector was about 83%, 8%, and 9%, respectively in 1998 (Table E.22). The major crops of the basin are rice, maize, sweet potatoes, cassava, sugar cane, peanut, soybean, coconuts, tea, etc. Animal husbandry is also practiced such as buffaloes, cattle, pigs, and poultry.

c) Industry and construction

GRDP of industry and construction increased remarkably with an average annual growth rate of 13.5% from 1995 to 2000. Major products are ore, cement, brick, stone, salt, fish sauce, frozen shrimp, and paper.

d) Service sector

The province directly exported 53,200 tons of ore, 4,000 tons of peanuts, 1,142 tons of frozen sea products, 564,000 pieces of bamboo products, and 364 tons of meat in 2000. On the other hand, major import items are automobile, fertilizer, steel, and equipment.

(4) Major Socio-economic Issues

- The areas are vulnerable to natural disasters such as typhoons, floods, and droughts. They affected the production of agriculture, forestry, and fishery.
- The deterioration of forest has been progressing and it worsens flood damage.
- Industries such as garments fabrication is one of the important industries in the areas. However, its competitiveness is weak due to old-fashioned technology and high price.
- Average living standards are 20-25% lower than neighboring Red River basin.
- The potential for agricultural development through expansion is severely limited

by the rugged topography of the basin and the absence of much unused arable land. Climatic and hydrological factors constrain agricultural intensification.

- Typhoons hit the basin at least once a year, causing heavy rains and floods. They cause significant destruction, especially to crops.
- In the dry season (March-April), the amount of runoff is very small and salinity intrusion occurs up to inland. This has given damages to rice production.

1.2.4 Ca River Basin

(1) Location

The Ca River is an international river flows from Laos and its basin is located in the North Central region with a catchment area of 17,730 km² in the territory of Vietnam. The basin occupies almost whole area of Nghe An and Northwestern half of Ha Tinh Provinces.

(2) Population

The total population of Nghe An and Ha Tinh Provinces is 4.17 million inhabitants; population density is 185 persons/km² (Table E.17). The ratio of rural population is high at 90% of the total population. About 15% of the population belong to minor ethnic groups.

Population of the Ca River Basin in 2000			
Province	Population (1,000)	Pop. Density (person/km ²)	Rural Population (%)
Nghe An	2,892	175	90
Ha Tinh	1,279	211	91
Total	4,171	185	90

Source: Statistical Yearbook 2000, GSO

The average annual population growth rates of Nghe An and Ha Tinh Provinces were 1.4% and 0.6% respectively during 10 years from 1990 to 2000. However, those of rural areas are low at 1.1% and 0.2% respectively during the same period (Table E.18).

(3) Economic Activities

a) GRDP

The GRDP of the Ca River basins in 2000 was estimated at VND11,338 billion (approx. US\$800 million), which account for 2.6% of the national GDP.

GRDP of the Ca River Basin in 2000						
Province	GRDP (Billion VND)	Per capita GDP (D1,000)	Share (%)			Avg. ann. growth rate (%)
			Agri.	Industry	Service	
Nghe An	7,936	2,744	44	19	37	7.3
Ha Tinh	3,403	2,660	51	13	35	7.0
Total	11,338	2,718	46	17	37	7.2

Source: Socio-economic Statistical Data of 61 Provinces and Cities in Vietnam, GSO

The average annual growth rate of GRDP from 1995 to 2000 was 7.2%, which is slightly higher than national growth rate of 6.9% on a constant price basis (Tables E.19 & E.20).

The shares of agriculture, forestry and fishery are approximately 44%, while those of industry and service sector are 19% and 37%, respectively (Table E.21).

b) Agriculture, forestry, and fishery

The gross output of agriculture, forestry, and fishery of both the provinces was VND6,120 billion and the share of each sector was about 81%, 12%, and 7%, respectively in 1998 (Table E.22). The major crops of the basin are rice, maize, sweet potatoes, cassava, cotton, rush, sugar cane, peanut, soybean, tea, coffee, rubber, pepper, etc. Animal husbandry is also practiced such as buffaloes, cattle, pigs, and poultry.

c) Industry and construction

Industry and construction sector is relatively weak comparing with other sectors in the Ca River basin. GRDP of industry and construction accounted for only 1.2% of the national GDP in the same sector, while Those of agriculture, forestry and fishery, and service sector accounted for 4.9% and 2.4% respectively. Major industrial products are fertilizer, frozen sea products, sugar, cake and candy, milled food, brick, tile, fish sauce, wine, beer, cigarette, etc.

d) Service sector

The provinces directly exported 9,116 tons of peanuts, 2,500 tons of tea, 854 tons of frozen shrimps, 688 tons of frozen cuttlefish, 3,672 tons of rice, and 131 tons of coffee in 2000. On the other hand, major import items are automobile, pinewood, air conditioners, fertilizer, and motorcycle.

(4) Major Socio-economic Issues

- The areas are vulnerable to natural disasters such as typhoons, floods, and droughts. They affected the production of agriculture, forestry, and fishery.
- The deterioration of forest has been progressing and it worsens flood damage.
- The major constraint to the basin's development is floods, caused by typhoons

and heavy storms. The basin's narrow and steep mountain slopes breed flash floods, which pose sudden threats to human life and economic activities. Inundation associated with flooding is a major problem.

- The spring and summer/autumn crops are constrained by regular droughts in May and June.

1.2.5 Thach Han River Basin

(1) Location

The Thach Han River basin is located in the North Central region with a catchment area of 2,660 km² in the territory of Vietnam. The basin occupies almost whole area of Quang Tri Province.

(2) Population

The population of Quang Tri Province is 581,000 inhabitants with population density of 122 persons/km² (Table E.17). The ratio of rural population is almost same as national average at 76% of the total population.

Population of the Thach Han River Basin in 2000			
Province	Population (1,000)	Pop. Density person/km ²	Rural Population (%)
Quang Tri	581	122	76

Source: Statistical Yearbook 2000, GSO

The average annual population growth rate of Quang Tri Province was relatively high at 1.9% during 10 years from 1990 to 2000, while that of rural areas was low at 0.7% (Table E.18).

(3) Economic Activities

a) GRDP

The GRDP of the Thach Han River basins in 2000 was estimated at VND1,679 billion (approx. US\$118 million), which account for 0.4% of the national GDP.

GRDP of the Thach Han River Basin in 2000						
Province	GRDP (Billion VND)	Per capita GDP (D1,000)	Share (%)			Avg. ann. growth rate (%)
			Agri.	Industry	Service	
Quang Tri	1,679	2,890	45	15	40	8.6

Source: Socio-economic Statistical Data of 61 Provinces and Cities in Vietnam, GSO

The average annual growth rate of GRDP from 1995 to 2000 was 8.6%, which is remarkably higher than national growth rate of 6.9% on a constant price basis

(Tables E.19 & E.20).

The shares of agriculture, forestry and fishery are approximately 45%, while those of industry and service sector are 15% and 40%, respectively (Table E.21).

b) Agriculture, forestry, and fishery

The gross output of agriculture, forestry, and fishery of the province was VND773.5 billion and the share of each category was about 77%, 8%, and 16%, respectively in 1998 (Table E.22). The major crops of the basin are rice, maize, sweet potatoes, cassava, sugar cane, peanut, tobacco, tea, coffee, rubber, pepper, etc. Animal husbandry is also practiced such as buffaloes, cattle, pigs, and poultry.

c) Industry and construction

Industry and construction sector is relatively weak comparing with other sectors in the Thach Han River basin. GRDP of industry and construction accounted for only 0.2% of the national GDP in the same sector, while those of agriculture, forestry and fishery, and service sector accounted for 0.7% and 0.4% respectively. Major products are related to building materials and marine products such as brick, tile, cement, stone, sand and gravel, frozen marine products, beer, etc.

d) Service sector

The province directly exported 1,812 tons of iron, 15,088 of peanuts, 211 tons of pepper, and 55 tons of frozen sea products in 1998.

(4) Major Socio-economic Issues

- The per capita GRDP in the area are approximately half of the national average.
- The province is agriculture based, very poor and suffered heavily under the war with almost all infrastructures and environment were destroyed.
- The areas are vulnerable to natural disasters such as typhoons, floods, and droughts. They affected the production of agriculture, forestry, and fishery.

1.2.6 Huong River Basin

(1) Location

The Huong River basin is located in the North Central region with a catchment area of 2,960 km². The basin occupies a major part of Thua Thien-Hue Province.

(2) Population

The population of Thua Thien-Hue Province was 1,064 thousand inhabitants with population density of 211 persons/km² (Table E.17). The ratio of rural population is 71%,

which is much lower than national average of 76%.

Population of the Huong River Basin in 2000			
Province	Population (1,000)	Pop. Density person/km ²	Rural Population (%)
Thua Thien-Hue	1,064	211	71

Source: Population and Housing Census Vietnam 1999, GSO

The average annual population growth rate of Thua Thien-Hue Province was relatively low at 1.4% during 10 years from 1990 to 2000, while that of rural areas was low at 1.0% (Table E.18).

(3) Economic Activities

a) GRDP

The GRDP of the Huong River basins in 2000 was estimated at VND3,461 billion (approx. US\$244 million), which account for 0.8% of the national GDP.

GRDP of the Huong River Basins in 2000						
Province	GRDP (Billion VND)	Per capita GDP (D1,000)	Share (%)			Avg. ann. growth rate (%)
			Agri.	Industry	Service	
Thua Thien-Hue	3,461	3,251	24	31	45	6.3

Source: Socio-economic Statistical Data of 61 Provinces and Cities in Vietnam, GSO

The average annual growth rate of GRDP from 1995 to 2000 was 6.3%, which is slightly lower than national growth rate of 6.9% on a constant price basis (Tables E.19 & E.20).

The shares of agriculture, forestry and fishery are approximately 24%, while those of industry and service sector are 31% and 45%, respectively (Table E.21).

b) Agriculture, forestry, and fishery

The gross output of agriculture, forestry, and fishery of the province was VND1,158 billion and the share of each category was about 70%, 14%, and 16%, respectively in 1998 (Table E.22). The major crops of the basin are rice, maize, sweet potatoes, cassava, sugar cane, peanut, tobacco, tea, pepper, etc. Animal husbandry is also practiced such as buffaloes, cattle, pigs, and poultry.

c) Industry and construction

Industry and construction sector is rather weak comparing with other sectors in the Huong River basin. GRDP of industry and construction accounted for only 0.7% of the national GDP in the same sector, while those of agriculture, forestry and fishery,

and service sector accounted for 0.8% and 0.9% respectively. Major products are cement, frozen products, lime, stone, beer, woolen carpet, etc.

d) Service sector

Hue city, ancient capital of the Nguyen dynasty, is recognized as a world heritage by UNESCO, which is one of the most famous tourist attraction in central Vietnam. Therefore, tourism and its related commercial industry is active in the city.

Other than tourism industry, the province directly exported 800 thousand pieces of garment and 1,000 tons of frozen marine products in 1998.

(4) Major Socio-economic Issues

- Over the last decade, floods and inundation have caused serious damage in Hue city and lower parts of the basin. One of the recent serious floods was in November 1999 with very severe casualties (89 people died).
- In the dry season, due to runoff of the river decrease, saline water comes up to inland and it affects agriculture and domestic water supply.

1.2.7 Vu Gia-Thu Bon River Basin

(1) Location

The Vu Gia-Thu Bon River is located in the Central Coast region with a catchment area of 10,500 km². The basin occupies southern half of Danang City, major part of Quang Nam, and very small part of Kon Tum Provinces.

(2) Population

The total population of Danang City and Quang Nam Province is 2,088 thousand inhabitants; population density is 179 persons/km² (Table E.17). The ratio of rural population is relatively low at 64% of the total population.

Population of the Vu Gia-Thu Bon River Basins in 2000			
Province/ Municipality	Population (1,000)	Pop. Density person/km ²	Rural Population (%)
Danang	700	557	21
Quang Nam	1,389	133	85
Total	2,088	179	64

Source: Statistical Yearbook 2000, GSO

The average annual population growth rates of Danang and Quang Nam were 2.0 and 1.1% respectively during 10 years from 1990 to 2000. Those of rural areas are low at -2.3% and 0.9% respectively during the same period (Table E.18).

(3) Economic Activities

a) GRDP

The GRDP of Danang and Quang Nam in 2000 was estimated at VND9,191 billion (approx. US\$649 million), which account for 2.1% of the national GDP (Tables E.19 & E.20).

GRDP of the Vu Gia-Thu Bon River Basins in 2000						
Province/ Municipality	GRDP (Billion VND)	Per capita GDP (D1,000)	Share (%)			Avg. ann. growth rate (%)
			Agri.	Industry	Service	
Danang	4,947	7,070	8	40	52	10.6
Quang Nam	4,244	3,056	42	25	33	7.7
Total	9,191	4,401	23	33	43	9.2

Source: Socio-economic Statistical Data of 61 Provinces and Cities in Vietnam, GSO

The average annual growth rate of GRDP from 1995 to 2000 was 9.2%, which is much higher than national growth rate of 6.9% on a constant price basis.

The shares of agriculture, forestry and fishery are approximately 23%, while those of industry and service sector are 33% and 43%, respectively (Table E.21).

b) Agriculture, forestry, and fishery

The gross output of agriculture, forestry, and fishery of both the provinces was VND2,205 billion and the share of each category was about 69%, 8%, and 23%, respectively in 1998 (Table E.22). The major crops of the basin are triple cropping rice, maize, sweet potatoes, cassava, rush, sugar cane, peanut, tobacco, tea, cashew, etc. Animal husbandry is also practiced such as buffaloes, cattle, pigs, and poultry. Fishery including aquaculture is also active in Quang Nam Province. The gross output of sea products reached 38,850 tons in 2000.

c) Industry and construction

Industry and construction sector is active in Da Nang City, which earn two thirds of industrial GRDP in the basin. Major industrial products of the basin are frozen marine products, sugar, beer, cigarette, clothes, fertilizer, brick, cement, vegetable oil, fish sauce, textile, etc.

d) Service sector

The retail sales value of goods and services in the river basin was VND10,206 million, which accounted for approximately 5% of the national value in 2000 as shown in Table E.24. The province directly exported 4,449 tons of frozen marine products, 1,217 tons of dry marine products, 105 tons of cinnamon, 1,286 tons of coffee, 3,624 thousand pieces of clothes, 69,100 tons of sand and 1,686 thousand

pair of shoes in 1998. On the other hand, major import items are plastic materials, auxiliary material for sewing, spare parts of motorcycle, refrigerator, truck, and powdered milk.

(4) Major Socio-economic Issues

- Inundation due to flooding occurs every year in the lower basin, resulting in loss of life and property. In 1996, 99 people were killed and property damage was estimated at VND220 billion, while in 1998, 79 people were killed and property damage was estimated at VND564 billion.
- In the lower reaches, riverbanks and riparian farmlands have been seriously eroded over long reaches.
- In the dry season, the lower basin is annually intruded by salt water. Salt-water intrusion reaches as far as 15 km upstream from the river mouth and it affects agricultural production.

1.2.8 Tra Khuc River Basin

(1) Location

The Tra Khuc River basin is located in the Central Coast region with a catchment area of 5,177 km² in the territory of Vietnam. The basin occupies a major part of Quang Ngai Province.

(2) Population

The population of Quang Ngai Province was 1,199 thousand inhabitants with population density of 234 persons/km² (Table E.17). The ratio of rural population was 88%, which is much higher than national average of 76%.

Population of the Tra Khuc River Basin in 2000			
Province	Population (1,000)	Pop. Density person/km ²	Rural Population (%)
Quang Ngai	1,199	234	88

Source: Statistical Yearbook 2000, GSO

The average annual population growth rate of Quang Ngai Province was relatively low at 1.0% during 10 years from 1990 to 2000, while those of urban and rural areas were 4.5% and 0.6% respectively (Table E.18).

(3) Economic Activities

a) GRDP

The GRDP of the Tra Khuc River basin in 2000 was estimated at VND3,373 billion

(approx. US\$238 million), which account for 0.8% of the national GDP (Tables E.19 & E.20).

GRDP of the Tra Khuc River Basin in 2000						
Province	GRDP (Billion VND)	Per capita GDP (D1,000)	Share (%)			Avg. ann. growth rate (%)
			Agri.	Industry	Service	
Quang Ngai	3,373	2,813	39	39	22	8.6

Source: Socio-economic Statistical Data of 61 Provinces and Cities in Vietnam, GSO

The average annual growth rate of GRDP from 1995 to 2000 was 8.6%, which is much higher than national growth rate of 6.9% on a constant price basis.

The shares of agriculture, forestry and fishery are approximately 39%, while those of industry and service sector are 39% and 22%, respectively (Table E.21).

b) Agriculture, forestry, and fishery

The gross output of agriculture, forestry, and fishery of the province was VND1,752 billion and the share of each category was about 73%, 5%, and 22%, respectively in 1998 (Table E.22). The major crops of the basin are rice, maize, sweet potatoes, cassava, rush, sugar cane, and peanut. Animal husbandry is also practiced such as buffaloes, cattle, pigs, and poultry.

c) Industry and construction

The gross output of industry of the basin was VND1,252 billion in 2000, which grew 8.9% from the year before (Table E.23). There is a refinery industrial zone in the northeastern part of the province. Major industrial products are stone, sand and gravel, salt, sugar, cake and candy, frozen marine products, lime, beer, brick, tile, etc.

d) Service sector

The retail sales value of goods and services was VND1,973, which accounted for 0.9% of the national value in 2000 (Table E.24). The province's direct export turnover was US\$4.3 million and import turnover was US\$10.03 million in 2000.

(4) Major Socio-economic Issues

- The per capita GRDP in the area are less than half of the national average.
- Flood and inundation have caused serious damage in the basin.

1.2.9 Kone River Basin

(1) Location

The Kone River basin is located in the North Central region with a catchment area of

4,427 km². The basin occupies a major part of Binh Dinh and a small part of Gia Lai Provinces.

(2) Population

The population of Binh Dinh Province was 1,482 thousand inhabitants with population density of 246 persons/km² (Table E.17). The ratio of rural population was 76%, which is nearly the same as the national average of 76%.

Population of the Kone River Basin in 2000			
Province	Population (1,000)	Pop. Density person/km ²	Rural Population (%)
Binh Dinh	1,482	246	76

Source: Statistical Yearbook 2000, GSO

The average annual population growth rate of Binh Dinh Province was relatively low at 1.3% during 10 years from 1990 to 2000, while those of urban and rural areas were 4.2% and 0.5%, respectively (Table E.18).

(3) Economic Activities

a) GRDP

The GRDP of the Kone River basins in 2000 was estimated at VND4,592 billion (approx. US\$324 million), which account for approximately 0.9% of the national GDP (Tables E.19 & E.20).

GRDP of the Kone River Basin in 2000						
Province	GRDP (Billion VND)	Per capita GDP (D1,000)	Share (%)			Avg. ann. growth rate (%)
			Agri.	Industry	Service	
Binh Dinh	4,592	3,099	43	23	34	8.9

Source: Socio-economic Statistical Data of 61 Provinces and Cities in Vietnam, GSO

The average annual growth rate of GRDP from 1995 to 2000 was 8.9%, which is much higher than national GDP growth rate of 6.9% on a constant price basis.

The shares of agriculture, forestry and fishery are approximately 43%, while those of industry and service sector are 23% and 34%, respectively (Table E.21).

b) Agriculture, forestry, and fishery

The key industry of the province is agriculture. The gross output of agriculture, forestry, and fishery of both the provinces was VND2,284 billion and the share of each category was about 69%, 5%, and 26%, respectively in 1998 (Table E.22). The major crops of the basin are rice, maize, sweet potatoes, cassava, sugar cane, peanut, tobacco, tea, pepper, etc. Animal husbandry is also practiced such as buffaloes,

cattle, pigs, and poultry.

c) Industry and construction

Industry and construction sector is rather weak comparing with other sectors in the Kone River basin. GRDP of industry and construction accounted for only 0.6% of the national GDP of the same sector, while those of agriculture, forestry and fishery, and service sector accounted for 1.8% and 0.9% respectively. Major products are vegetable oil, frozen marine products, salt, stone, saw timber, cement, brick, tile, medicinal ampoules, sugar, etc.

d) Service sector

The retail sales value of goods and services of the Kone River basin was VND4,425 billion and it accounted for 2% of the national value in 2000 (Table E.24). Average growth rate of the service sector is approximately 8.3% per annum. The export and import turnovers reached US\$81.2 million and US\$60 million in 2000. The major exports are frozen marine products, salangane, stone, dry cassava, medicinal tablet, etc. The major imports are fertilizer, truck, steel and iron.

(4) Major Socio-economic Issues

- The per capita GRDP in the basin is approximately 55% of the national average.
- The basin is often hit by floods, causing severe loss of production and living conditions. The 1999 flood caused loss of 73 lives, 21 people were injured, 50,000 houses were affected, 12,203 ha of paddy were damaged.
- The water quality of Thi Nai Swamp and Nuoc Ngot Lagoon is degraded during dry season due to salinity intrusion and it affects aquaculture production.
- In April, July and August, water supply for agriculture can only meet 50% of the demand.

1.2.10 Ba River Basin

(1) Location

The Ba River originates in the Central Highlands region and it flows down to southeastward in the Central Coast region with a catchment area of 14,132 km². The basin occupies southern major part of Phu Yen, eastern half of Gia Lai, and a small part of Dak Lak Provinces.

(2) Population

The total population of Phu Yen and Gia Lai Provinces was 1,825 thousand inhabitants; population density is 89 persons/km² (Table E.17). The ratio of rural population is about 78% of the total population.

Population of the Vu Gia-Thu Bon River Basins in 2000

Province/ Municipality	Population (1,000)	Pop. Density person/km ²	Rural Population (%)
Phu Yen	804	159	81
Gia Lai	1,021	66	76
Total	1,825	89	78

Source: Statistical Yearbook 2000, GSO

The average annual population growth rates of Phu Yen and Gia Lai were 1.8 and 3.8% respectively during 10 years from 1990 to 2000. Those of rural areas are slightly low at 1.7% and 3.3% respectively during the same period (Table E.18).

(3) Economic Activities

a) GRDP

The total GRDP of Phu Yen and Gia Lai Provinces in 2000 was estimated at VND5,315 billion (approx. US\$375 million), which account for 1.2% of the national GDP (Tables E.19 & E.20).

GRDP of the Ba River Basins in 2000

Province/ Municipality	GRDP (Billion VND)	Per capita GDP (D1,000)	Share (%)			Avg. ann. growth rate (%)
			Agri.	Industry	Service	
Phu Yen	2,409	2,996	45	22	33	9.1
Gia Lai	2,905	2,847	58	18	24	12.2
Total	5,315	2,913	52	20	28	10.8

Source: Socio-economic Statistical Data of 61 Provinces and Cities in Vietnam, GSO

The average annual growth rate of GRDP from 1995 to 2000 was 10.8%, which is much higher than national growth rate of 6.9% on a constant price basis.

The shares of agriculture, forestry and fishery are approximately 52%, while those of industry and service sector are 20% and 28%, respectively (Table E.21).

b) Agriculture, forestry, and fishery

Agriculture has been the dominant industry in the Ba River basin, its share in GRDP is declining little by little, though. The gross output of agriculture, forestry, and fishery of both the provinces was VND2,937 billion and the share of each category was about 82%, 5%, and 13%, respectively in 1998 (Table E.22). The major crops of the basin are triple cropping rice, sweet potatoes, sugar cane, peanut, tobacco, coffee, rubber, pepper, tea, cashew, coconut, etc. Livestock farming is also practiced such as buffaloes, cattle, pigs, and poultry.

c) Industry and construction

Industry and construction sector is still weak in the Ba River basin. GRDP of industry and construction accounted for only 0.6% of the national GDP in the same

sector, while that of agriculture, forestry and fishery accounted for 2.6% of the national GDP. Major industrial products are frozen marine products, fish sauce, vegetable oil, electricity, cement, saw timber, sugar, beer, brick, salt, etc.

d) Service sector

Service sector is also weak in the Ba River basin. The share of service sector in GRDP was 28% in 2000 but it accounted for 0.9% of the national GDP in the same sector. GRDP of service sector did not increase its share these five years from 1995 to 2000.

The provinces directly exported 61.5 thousand tons of coffee, 4,200 tons of pepper, 1,200 tons of cashew nuts, 966 tons of tea, and 3,150 tons of dry cassava. On the other hand, major import items are wheat flour, urea fertilizer, etc.

(4) Major Socio-economic Issues

- The per capita GRDP in the basin is approximately 55% of the national average.
- Large-scale floods occur every two years, submerging up to 60% of total cultivated area in the lower basin to a depth of 1-3 meters and hundreds of houses with nearly 300,000 people.
- The downstream area of the Ban Thach river suffers from saltwater intrusion in low flow season up to a bridge of Highway No.1.

1.2.11 Dong Nai River Basin

(1) Location

The Dong Nai River basin lies on the Southeastern region with an area of some 48,500 km² or sharing 14.6% of the total land area of the country, extends over one city and nine provinces; Ho Chi Minh City, Lam Dong, Binh Phuoc, Tay Ninh, Binh Duong, Dong Nai, northwestern part of Binh Thuan, southern small part of Dak Lak Provinces, and western small part of Long An.

(2) Population

The total population of the Dong Nai River basin was 11,770 thousand inhabitants in 2000 (Table E.17). Out of this, the population of Ho Chi Minh City was 5,222 thousand and it accounted for 44% of the basin population. Population density of the basin was 301 persons/km² while the most densely populated area is Ho Chi Minh City with 2,493 persons/km² and the most scarcely populated areas are Lam Dong and Binh Phuoc Provinces with 106 and 100 persons/km², respectively.

Population of the Dong Nai River Basins in 2000

Province/ Municipality	Population (1,000)	Pop. Density person/km ²	Rural Population (%)
Ho Chi Minh	5,222	2,493	17
Lam Dong	1,038	106	61
Binh Phuoc	687	100	85
Tay Ninh	979	243	86
Binh Duong	738	274	67
Dong Nai	2,039	346	69
Binh Thuan	1,066	136	70
Total	11,770	301	47

Source: Statistical Yearbook 2000, GSO

The ratio of rural population is about 47% of the basin population while that of Ho Chi Min City is only 17% and those of other provinces are more than 60%.

The average annual population growth rate of the Dong Nai River basin during 10 years from 1990 to 2000 is about 2.6% and those of urban and rural areas are 4.3% and 1.0%, respectively (Table E.18).

(3) Economic Activities

a) GRDP

The total GRDP of the Dong Nai River basin in 2000 was estimated at VND108,146 billion (approx. US\$7,633 million), which account for about 24% of the national GDP (Tables E.19 & E.20). Approximately 71% of the basin's GRDP was earned by Ho Chi Minh City.

GRDP of the Dong Nai River Basin in 2000

Province/ Municipality	GRDP (Billion VND)	Per capita GDP (D1,000)	Share (%)			Avg. ann. growth rate (%)
			Agri.	Industry	Service	
Ho Chi Minh	76,660	14,680	2	45	53	7.9
Lam Dong	3,008	2,896	51	19	29	14.8
Binh Phuoc	1,809	2,632	62	9	29	8.9
Tay Ninh	4,044	4,132	43	21	36	13.5
Binh Duong	5,942	8,047	18	54	28	13.7
Dong Nai	13,615	6,676	22	52	26	12.0
Binh Thuan	3,069	2,879	42	23	35	10.2
Total	108,146	9,188	10	44	46	9.8

Source: Socio-economic Statistical Data of 61 Provinces and Cities in Vietnam, GSO

The average annual growth rate of GRDP from 1996 to 2000 was 9.8%.

The shares of agriculture, forestry and fishery sector, industry and construction sector, and service sector in GRDP vary from province to province. Those of Ho Chi Minh City are 2%, 45%, and 53%, respectively. On the contrary, those of Binh Phuoc Province are 62%, 9%, and 29%. Those of the Dong Nai River basin, as a whole, are approximately 10%, 44% and 46%, respectively (Table E.21).

b) Agriculture, forestry, and fishery

The gross output of agriculture, forestry, and fishery was VND15,213 billion and the share of each category was about 90%, 3%, and 7%, respectively in 1998 (Table E.22). The amount accounts for 11% of the national output. The major crops of the basin are triple cropping rice, sugar cane, peanut, soybean, tobacco, pepper, coffee, rubber, tea, cashew nuts, coconut, etc. Livestock farming is also practiced such as buffaloes, cattle, pigs, and poultry.

c) Industry and construction

The gross industrial output of the basin was VND101,931 billion in 1999 and it grew 9.5% from the previous year (Table E.23). The amount accounted for 41% of the national gross output of industry. Out of this figure, that of Ho Chi Minh City was VND73,706 billion and it accounted for 72% of the basin's output in industry. Major industrial products are sea products, condensed milk, beer, cigarette, fertilizer, insecticide, washing powder, cement, steel, electricity, electric wire, pump, television, paper, sugar, etc.

d) Service sector

Ho Chi Minh City is the center of commerce in the country. Its GRDP in service sector accounted for 23% of the national GDP in the same sector. The basin's GRDP in service sector was VND49,690 billion in 2000 and it accounted for 29% of the national GRDP in the same sector. Average annual growth rate of the basin's service sector was 5.6% and this is almost the same as the national average of 5.7%.

Ho Chi Minh City exported 826.4 thousand tons of rice, 6.3 thousand ton of maize, 36.5 thousand tons of rubber, 6.6 thousand tons of peanuts, 10 thousand tons of pepper, 60 thousand tons of coffee, 3.5 thousand tons of vegetables, 24.8 thousand tons of frozen sea products, footwear values US\$225 million, garment values US\$642 million, etc. On the other hand, Ho Chi Minh City directly imported textile yarn, plastic products, fertilizer, fuel, steel and iron, motorcycle, etc.

(4) Major Socio-economic Issues

- Economic disparity between provinces in the basin is widening due to rapid industrial and service sector development.
- The demand for electricity in industrial zone will outstrip existing supply, the river basin has substantial untapped hydropower potential, though.
- Agriculture suffers from severe dry season water shortages. There is a need to increase storage capacity to ensure adequate water for agriculture.
- Saline water intrusion is a severe problem near the coastal areas that affects a

rage of economic activities adversely.

- Rapid urban growth implies that increasing attention will need to be given to water quality and sewerage management problems.

1.2.12 Se San River Basin

(1) Location

The Se San River is one of tributaries of the Cuu Long River and its basin is located in the Central Highlands with an catchment area of 14,800 km². The basin occupies a major part of Kon Tum and a small part of Gia Lai Provinces.

(2) Population

The population of Kon Tum Province was 327 thousand inhabitants with population density of 34 persons/km² (Table E.17). The ratio of rural population was 68%, which is slightly lower than national average of 76%.

Population of the Se San River Basin in 2000			
Province	Population (1,000)	Pop. Density person/km ²	Rural Population (%)
Kon Tum	327	34	68

Source: Statistical Yearbook 2000, GSO

The average annual population growth rate of Kon Tum Province was relatively high at 3.3% during 10 years from 1990 to 2000, while those of urban and rural areas were 10.2% and 1.2%, respectively. These figure shows rapid urbanization is taking place (Table E.18).

(3) Economic Activities

a) GRDP

The GRDP of the Se San River basins in 2000 was estimated at VND844 billion (approx. US\$60 million), which accounted for approximately 0.2% of the national GDP (Tables E.19 & E.20).

GRDP of the Se San River Basin in 2000						
Province	GRDP (Billion VND)	Per capita GDP (D1,000)	Share (%)			Avg. ann. growth rate (%)
			Agri.	Industry	Service	
Kon Tum	844	2,586	45	16	39	10.6

Source: Socio-economic Statistical Data of 61 Provinces and Cities in Vietnam, GSO

The average annual growth rate of GRDP from 1995 to 2000 was 10.6%, which is higher than national GDP growth rate of 6.9% on a constant price basis.

The shares of agriculture, forestry and fishery are approximately 45%, while those

of industry and service sector are 16% and 39%, respectively (Table E.21).

b) Agriculture, forestry, and fishery

The key industry of the province is agriculture, which gives living for more than 80% of the population of the province. The gross output of agriculture, forestry, and fishery of the provinces was VND477 billion in total and the share of each category was about 84%, 15%, and 0%, respectively in 1998 (Table E.22). The major crops of the basin are twice cultivation of rice, sweet potatoes, cassava, maize, sugar cane, peanuts, coffee, rubber, etc. Livestock farming is also practiced such as buffaloes, cattle, pigs, and poultry.

c) Industry and construction

Industry and construction sector is rather weak comparing with other sectors in the Se San River basin. The gross output of industry of Kon Tum Province was VND178 billion in 2000 and it has been growing gradually (Table E.23). Major products are food and beverage, garments, furniture, wood and wooden products, and construction materials.

d) Service sector

Small-scale household business is the dominant activities in Kon Tum Province. The retail sales value of goods and services was VND475 billion, which accounted for only 0.2% of the national value (Table E.24). The share of service sector in GRDP was not changed much from 1995 to 2000. Average growth rate of the service sector is approximately 7.3% per annum. The export and import turnovers of the province were US\$81.2 million and US\$60 million in 2000.

(4) Major Socio-economic Issues

- Kon Tum Province is one of the poorest provinces in the country with its per capita GRDP of VND2.59 million, which is less than half of the national average.
- The deterioration of forest has been progressing due to expansion of farmlands.
- Industrial development of the area is the weakest in the country and it is limited to agro-forestry processing.
- Rearrangement of farmlands and resettlements are underway for raising the living standards of ethnic minorities.

1.2.13 Srepok River Basin

(1) Location

The Srepok River is also one of tributaries of the Cuu Long River and its river basin is located in the Central Highlands with an catchment area of 18,200 km² in the territory of

Vietnam. The basin occupies a major part of Dak Lak, western part of Gia Lai and a small part of Lam Dong Provinces.

(2) Population

The population of Dak Lak Province was 1,863 thousand inhabitants with population density of 95 persons/km² (Table E.17). The ratio of rural population was 80%, which is slightly higher than national average of 80%.

Population of the Srepok River Basin in 2000			
Province	Population (1,000)	Pop. Density person/km ²	Rural Population (%)
Dak Lak	1,863	95	80

Source: Statistical Yearbook 2000, GSO

The average annual population growth rate of Dak Lak Province was relatively high at 5.9% during 10 years from 1990 to 2000, while those of urban and rural areas were 7.7% and 5.5%, respectively (Table E.18). Both urban and rural areas showed very high increasing trend of population.

(3) Economic Activities

a) GRDP

The GRDP of the Srepok River basins in 2000 was estimated at VND5,421 billion (approx. US\$383 million), which accounted for approximately 1.2% of the national GDP (Tables E.19 & E.20).

GRDP of the Srepok River Basin in 2000						
Province	GRDP (Billion VND)	Per capita GDP (D1,000)	Share (%)			Avg. ann. growth rate (%)
			Agri.	Industry	Service	
Dak Lak	5,421	2,910	65	12	23	14.7

Source: Socio-economic Statistical Data of 61 Provinces and Cities in Vietnam, GSO

The average annual growth rate of GRDP from 1995 to 2000 was 14.7%, which is much higher than national GDP growth rate of 6.9% on a constant price basis.

The shares of agriculture, forestry and fishery are approximately 65%, while those of industry and service sector are 12% and 23%, respectively (Table E.21).

b) Agriculture, forestry, and fishery

Agriculture is the key industry of the basin. The basin has vast natural resources for agriculture such as fertile land, rich forest, and abundant water. The basin has large agricultural land mostly undeveloped, annual rainfall of 1,400 - 2,200mm, fertile soil, and large potential market, HCMC near by.

The gross output of agriculture, forestry, and fishery of the provinces was VND5,600 billion in total and the share of each category was about 95%, 4%, and 1%, respectively in 1998 (Table E.22). The major crops of the basin are twice cultivation of rice, sweet potatoes, cassava, maize, sugar cane, peanuts, soybean, rubber, pepper, tea, cashew nuts, coconuts, etc. Livestock farming is also practiced such as buffaloes, cattle, pigs, and poultry.

c) Industry and construction

Industry and construction sector is rather weak comparing with other sectors in the Srepok River basin. The gross output of industry of Dak Lak Province was VND800 billion in 2000 and it has been growing gradually (Table E.23). Major products are electricity, brick, timber, food for livestock, beverage, etc.

d) Service sector

Small-scale household business is the dominant commercial activities in Dak Lak Province. The retail sales value of goods and services was VND1,886 billion, which accounted for 1.8% of the national value (Table E.24). The share of service sector in GRDP is increasing gradually from 19% in 1995 to 23% in 2000. Average annual growth rate of the service sector was approximately 9%. Dak Lak Province exported 68 tons of pepper, 203 thousand tons of coffee, 7,435 tons of rubber, etc. Major import commodities are machinery for agriculture, fertilizer, bread of plastic, etc.

(4) Major Socio-economic Issues

- Deforest has been taking place due to slash-and-burn agriculture. It has caused severe basin erosion, siltation builds up in rivers, reservoirs, and irrigation canals.
- High population growth in the basin places increasing demands on existing services, pressures on infrastructure, natural and financial resources.
- The main reason of underdevelopment is the basin's economic isolation, which results from a lack of transport and communication infrastructure.

1.2.14 Cuu Long River Basin

(1) Location

The Mekong River rises in China's Qinghai Province near the border with Tibet, and crosses Yunnan Province, China, forms the border between Myanmar and Laos and most of the border between Laos and Thailand, and flows across Cambodia and southern Vietnam, emptying into the South China Sea with a distance of about 4,184 km.

In Vietnam, the river is called Cuu Long River and its delta is situated in the tropical

regions with a warm and humid climate all the year round with an area of some 39,000 km² or sharing about 12% of the total land area of the country.

The delta occupies 12 provinces; Long An, Dong Thap, An Giang, Tien Giang, Vinh Long, Ben Tre, Kien Giang, Can Tho, Tra Vinh, Soc Trang, Bac Lieu, and Ca Mau Provinces..

(2) Population

The total population of the Cuu Long River Delta was 16,366 thousand inhabitants in 2000 with population density of 412 persons/km² (Table E.17). The ratio of rural population is about 82%, which is slightly higher than the national average of 80%. The average annual population growth rate of Cuu Long River Delta was low at 1.1% during 10 years from 1990 to 2000, while those of urban and rural areas were 2.7% and 0.8%, respectively (Table E.18).

Population of Cuu Long River Delta in 2000			
	Population (1,000)	Pop. density person/km ²	Rural population (%)
Cuu Long River Delta	16,366	412	82

Source: Statistical Yearbook 2000, GSO

(3) Economic Activities

a) GRDP

The GRDP of the Cuu Long River Delta in 2000 was estimated at VND71,917 billion (approx. US\$5,076 million), which account for about 16% of the national GDP (Tables E.19 & E.20). That of agriculture, forestry and fishery accounted for 36% of the national GDP in the same sector while those of industry and service sectors accounted for 8% and 12%, respectively.

GRDP of Cuu Long River Delta in 2000						
River basin	GRDP (Billion VND)	Per capita GDP (D1,000)	Share (%)			Avg. ann. growth rate (%)
			Agri.	Industry	Service	
Cuu Long River Delta	71,917	4,394	54	17	29	7.8

Source: Socio-economic Statistical Data of 61 Provinces and Cities in Vietnam, GSO

The average annual growth rate of GRDP from 1995 to 2000 was 7.8%, which is higher than national growth rate of 6.9% on a constant price basis.

The shares of agriculture, forestry and fishery are high at 54%, while those of industry and service sector are 17% and 29%, respectively (Table E.21). All the provinces in the Cuu Long River Delta have similar industrial structures.

b) Agriculture, forestry, and fishery

The Cuu Long River Delta has been considered the primary food producer of the country. Gross output of agriculture, forestry, and fishery of the delta was VND51,548 billion and the share of each sector was about 76%, 2%, and 22%, respectively in 1998 (Table E.22). The cultivation of rice is the major agricultural activities. The delta produced 16,295 thousand tons of paddy and this accounted for 52% of total paddy production of the country in 1999. Other major crops of the delta are sweet potatoes, jute, sugar cane, peanuts, soybean, tobacco, coconut, pepper, etc. Livestock farming is practiced such as buffaloes, cattle, pigs, and poultry. Aquaculture is also carried out especially in the delta.

c) Industry and construction

Industry is rather weak in the Cuu Long River Delta and is concentrated in food processing and production of construction materials. The gross output of industry of the delta was VND23,589 billion and it accounted for 9.6% of the national gross output in 1999 (Table E.23). The average annual growth rate of industrial GRDP from 1995 to 1999 was 12.8%. Major products are milled rice, sugar, cigarettes, fertilizer, cement, dried fish and shrimp, frozen sea products, fish sauce, etc.

d) Service sector

In 1995, the share of service sector in GRDP was 24% but it increased to 28% in 1999. The annual growth rate of the service sector was 11.6% from 1995 to 1999. Major export commodities of the delta are rice, frozen sea products, cashew nuts, frozen shrimp, feather, coconut oil, etc. On the other hand, the delta imports such commodities as fertilizer, insecticide, cloth, wheat flour, chemical, cement, etc.

(4) Major Socio-economic Issues

- The large forest area has been cleared for shrimp and prawn cultivation that leads environmental pollution.
- Post-harvest technology should be improved in order to avoid remarkable losses.
- Due to the sharp declines in commodity prices, farmers' earnings are deteriorating.
- Rural transportation network is poor and needs improvement.
- Flood and salinity intrusion control measures are necessary in order to mitigate losses.

2 DEVELOPMENT PLANS OF THE GOVERNMENT

2.1 General

The government of Vietnam has socio-economic development plans in long-term, medium-term, and short-term. The long-term plan shows general picture that Vietnam is targeting to achieve by 2020. The medium-term plan shows general socio-economic targets as well as sectorial and regional plans till 2010. The short-term plan shows concrete tasks and norms for 2001-2005.

The outlines of the development plans, relating to establishment of the socio-economic framework for this study, are presented hereunder:

2.2 Socio-economic Goals Toward 2020

The 8th National Congress of the Communist Party of Vietnam was held in June 1996. The congress has approved the Political Report of the Central Committee. The report says, from now to the year 2020, Vietnam will strive strenuously to turn the country into an industrialized country. The goal of industrialization and modernization is to build Vietnam into an industrialized country with a modern technology, a rational economic structure, advanced production techniques, high standards of material and intellectual well-being, firm national defense and security, a prosperous people, a strong country, and an equitable and civilized society.

In the report, some concrete targets are also stated as summarized below:

- To increase GDP about 8 to 10 times of that in 1990.
- To complete basically national electrification.
- To increase the shares of industry and service sectors in GDP.
- To improve natural and social science and technology.
- To keep the state economic sector to perform a leading role together with the cooperative economic sector.
- To promote the individual, small owner and private capitalist economies.

2.3 Strategy for Socio-economic Development in the Period 2001-2010 Presented at the 9th National Congress

2.3.1 Achievement of 1991-2000 Socio-economic Strategy

The 9th National Congress of the Communist Party was convened in April 2001. In the congress, the evaluation of the implementation of the 1991-2000 socio-economic strategy was presented. Main achievement are as summarized below:

Results of the 1991-2000 Socio-economic Strategy

Item	Results of the 1991-2000 Socio-economic Strategy
GDP growth	2.07 times of GDP in 1990 in real term
- Share of Agriculture in GDP	38.7% in 1991 to 24.3% in 2000
- Share of Industry in GDP	22.7% in 1991 to 36.6% in 2000
- Share of Service sector in GDP	38.6% in 1991 to 39.1% in 2000
Domestic savings	27% of GDP in 2000
Poor household (Vietnamese standard)	Reduced from 30% in 1991 to 10 % in 2000
Population growth rate	Lowered from 2.3% in 1991 to 1.4% in 2000
Average life expectancy	Gained from 65.2 years in 1991 to 68.3 years in 2000
Creation of new job opportunity	Annually over 1.2 million new job opportunity created

With the above-mentioned results, the evaluation said that, in general, most of the main targets set by the 1991-2000 Socio-economic Strategy have been fulfilled. At the same time, weakness and inadequacies were also pointed out such as the inadequate economy's efficiency, inappropriate production practices, poor investment and business environment, poor quality of education and training, and difficulties in people's lives.

2.3.2 Overall Goals of 2001-2010 Socio-economic Strategy

The overall goals of the ten-year 2001-2010 Strategy are 1) to bring Vietnam out of underdevelopment, 2) to improve noticeably the people's material, cultural and spiritual life, and 3) to lay the foundations for making Vietnam a modern-oriented industrialized country by 2020.

The specific goals of the Strategy are as summarized below:

Target of the 2001-2010 Socio-economic Strategy	
Item	Target of the 2001-2010 Socio-economic Strategy
GDP	At least double the GDP of 2000 by 2010
Agriculture, forestry, and fishery	Share in GDP: 16 - 17% by 2010 Average annual growth rate: 4.0-4.5% Annual export turnover: US\$9-10 billion in 2010 (Export of aquatic products: US\$3.5 billion in 2010)
Industry and construction	Share in GDP: 40 - 41% by 2010 Average annual growth rate: 10-10.5% To employ 23-24% of the labor force in 2010 Share in the total export: 70-75% in 2010
Service sector	Share in GDP: 42 - 43% by 2010 Average annual growth rate: 7-8% To employ 26-27% of the total labor force in 2010
Domestic savings	Over 30% of GDP by 2010
Export growth rate	More than double growth rate of GDP by 2010
Share of agriculture labor	To drop to around 50% of the workforce by 2010
Human Development Index (HDI)	To rise substantially
Population growth rate	To drop to 1.1% by 2010
Unemployment rate (Urban)	Below 5% by 2010
Trained labor	To rise to around 40%
Schooling	To ensure schooling to all school-age children
Poor household	To eliminate the category of hungry households, To reduce quickly the number of poor households.

2.3.3 Sectoral Development Orientations

The sectoral development orientations of agriculture, forestry, and fishery in the Socio-economic Development Plan 2001-2010 have already been discussed in Subsection 7.2 Agriculture. Therefore, those of the other major sectors are presented hereunder:

(1) Industry and Construction

The industrial development targets:

- To develop industries rapidly to get hold of domestic markets as well as to enhance export of products such as agricultural, forest and aquatic product processing, manufacturing of garment, leatherwear, footwear, electronics, informatics, mechanical products, consumer goods, etc,
- To build a number of heavy industry establishments such as petroleum, metallurgy, mechanical engineering, basic chemicals, fertilizers, building materials, etc,
- To develop high-tech industries such as information, telecommunication, electronic, automation technologies, especially information software industry,
- To develop industrial parks, export processing zones, high-tech zones, and open economic zones, and
- To enhance small and medium industries by renovation, upgrading, integration,

and quality control.

The construction sector targets to improve its technology and competitiveness.

(2) Energy

The energy sector targets:

- To develop energy sector one step ahead to meet the demand of socio-economic development and to ensure national energy safety,
- To make proper use of water resources, gas, and coal for a balanced development of electricity sources,
- To accelerate the study and construction of the Son La hydropower plant,
- To synchronize and modernize the national electric transmission grid, etc.

(3) Water Supply

The water supply sector aims:

- To provide sufficient clean water to urban areas, industrial parks, and more than 90% of the rural inhabitants, and
- To solve the problems of sewage and waste treatment in urban areas.

(4) Services

The service sector targets:

- To develop commerce from viewpoints of domestic market expansion as well as efficient international trade,
- To establish major trade centers in urban areas and rural marketplaces particularly in mountain areas,
- To promote Vietnamese products, and
- To develop tourism sector by improving its quality.

2.3.4 Regional Development Orientations

(1) Red River Delta and Northern Key Economic Region

The downstream area of the Red and Thai Binh River basins are included in this region.

The capital, Hanoi is also included in the region. Major regional orientations are:

- To transform the economic and labor structures, and to transform more large number of agricultural work force to industries and services,
- To develop diverse cash crop agriculture and to enhance winter crop production by forming areas specialized in vegetables, fruit trees, meat, flowers, and to extend aquaculture together with staple food,
- In the key economic region, to develop industrial parks, high-tech zones, export-oriented, electronic, and information industries, establishments for

shipbuilding, metallurgy, fertilizers, etc.

(2) Southeast and Southern Key Economic Regions

The Dong Nai River basin is included in these regions. Commercial center of the nation, Ho Chi Minh City, is also included in this region. Major regional orientations are:

- To establish centers of commerce, export, telecommunication, tourism, finance, banking, science, technology, culture, training in the South,
- To promote industries of oil and gas exploitation,
- To enhance production of electricity, fertilizer, chemicals,
- To accomplish and upgrade industrial parks, export processing zones, and high-tech zones,
- To develop industries in provinces avoiding over-concentration in large cities.
- To develop industrial crops (rubber, coffee, cashew nuts, sugar-cane, cotton, etc.), fruit trees, industrialized animal husbandry, etc,
- To form specialized farming areas linked to processing industries to attract more labor from the Cuu Long River Delta.

(3) North Central, Central Coastal Area, and Central Key Economic Regions

The region includes the Ma, Ca, Thach Han, Huong, Vu Gia-Thu Bon, Tra Khuc, Kone, and Ba River basins. Major regional orientations are:

- To take measures to mitigate losses caused by natural calamities such as heavy floods and droughts,
- To exploit the western lands by building water reservoir against flash floods and for hydropower production,
- To develop industrial crops, fruit trees, and cattle breeding combined with processing industries, and to push forward with forestation,
- To establish coastal industrial zones, integrated industrial-commercial zones, and economic development zones,
- To develop oil refining, petro-chemical, building materials, processing and manufacturing industries, and diverse services,
- To promote sea and coastal tourism associated with historical sites, particularly along the Hue - Da Nang - Hoi An - Nha Trang line.

(4) Northwest and Northeast Regions

The regions include the Bang Giang & Ky Cung, upstream area of the Red and Thai Binh, upstream area of the Ma River basins. Major regional orientations are:

- To develop industrial crops, fruits trees, medical plants, cattle husbandry in association with processing industries,

- To speed up the study and construction of the Son La hydropower plant,
- To develop small-scale water conservancy projects in association with small-scale hydropower project to supply clean water and electricity for the rural population,
- To develop exploitative and processing industries for minerals, agro and forest products for export,
- To establish major industrial bases along Highway No.18

(5) Central Highlands Region

The region includes the Se San, Srepok, and upstream reaches of the Ba River basins. The country put much importance on this region, since the region is an important strategic location in both socio-economic and defense-security terms. Major regional orientations are:

- To develop large-scale agricultural and forest goods production in combination with processing industries,
- To develop intensive farming, industrial crops for export (coffee, rubber, tea, cotton, etc.), cattle breeding, forest planting, medical plant, and their processing industry,
- To promote such industries as exploitation and processing bauxite, paper, energy and mining industry,
- To develop large and medium-scale hydropower plants as well as reservoirs for efficient use of water resources.

(6) Cuu Long River Delta region

The region has played a vital role as the country's largest rice and agricultural products exporter. Major regional orientations are:

- To continue promoting its role as the largest rice and agro-product exporter,
- To increase the production and raise the quality of cash crops, vegetables, fruits, livestock, and aquaculture,
- To develop farm products processing industries,
- To shift economic structure and to raise the proportion of labor employed in industry and services, and
- To plan and construct residential quarter and infrastructures adaptable to annual flood and saline water control.

2.4 Five-Years Plan for Socio-economic Development from 2001 to 2005

The five-year (2001-2005) plan for socio-economic development was set with the following major development and key tasks:

- To strive to achieve an annual average economic growth rate higher than that of the

previous five years (annual GDP growth of 7%), and to prepare for the next five years.

- To develop a multi-sector economy and to shift the economy structure and labor structure in the direction of increasing the proportion of industry and services.
- To increase investment for social and economic development; to improve economic structure in both key economic zones and areas in extreme difficulty in harmony.
- To expand external trade and improve its efficiency; to consolidate the existing market and expand new markets, to attract external capital and technology, to implement bilateral and multi-lateral commitments, etc.
- To continue the renovation and create a basic all-round change in the development of education and training, science and technology.
- To deal with social problems effectively: generating more jobs, reducing unemployment in urban areas and lack of jobs in rural areas, to reform the regulations on salary, to eliminate hunger and reduce poverty, etc.

The plan also has the following key norms on socio-economic development:

Key Norms of Five Year Plan for Socio-economic Development from 2001 to 2005

Item	Key Norms of Five-Year Plan for Socio-economic Development from 2001 to 2005
GDP	At least double the GDP of 1995 by 2005 with an average annual growth rate of 7.5%
- Agriculture, forestry, and fishery	Average annual growth rate: 4.3% Value increase: 4.8% p.a. Share in GDP: 20-21% by 2005
- Industry and construction	Average annual growth rate: 10.8% Value increase: 13% p.a. Share in GDP: 38-29% by 2005
- Service sector	Average annual growth rate: 6.2% Value increase: 7.5% p.a. Share in GDP: 41-42% by 2005
Export turnover	Annual growth: 16%
Junior secondary school attendance rate	80% by 2005
High school attendance	45% by 2005
Population growth rate	1.2% in 2005
Poor household	To reduce to 10% in 2005
Domestic production of medicines	To meet 40% of the needs in 2005
Malnutrition of children	To reduce to 22-25% in 2005
Average life expectancy	To raise to 70 years in 2005
Clean water supply	60% of the rural population in 2005

3 SOCIO-ECONOMIC DEVELOPMENT FRAMEWORK

3.1 Development Scenarios and Framework

Socio-economic framework plan for the target year 2020 has been set by the study team for estimation of the future water demand and flood damage. The socio-economic framework includes the following items:

- i) Population (urban and rural population, increasing rates including urbanization)
- ii) Gross Regional Domestic Product (amount, sector component, and growth rate)
- iii) GRDP per capita

3.1.1 Population Projection

Population projection of the major provinces in the 14 river basins has been prepared by the study team for the years, 2001, 2005, 2010, 2015, and 2020 based on the results of the questionnaire survey for the related provinces. However, the population targets of some provinces are not complete. Therefore, when population target of province is not available at all, population projection prepared by GSO was applied. In this case, urban and rural population was estimated by the study team from the present population distribution and past trend of population increase. When the population target of province is available but information is not complete, the following arrangements were made by the study team:

If some intermediate population is not available, it is estimated by applying the same increasing rate for the period.

If population targets in 2010 and/or 2020 are not available, the average annual increasing rate of 1.1% (national target) was applied to estimate the population.

The results of the population projection by river basin are shown in Table E.25.

3.1.2 Economic Development

Vietnamese economy enjoyed its high performance of more than 8% in terms of the annual GDP growth rate from 1992 to 1997. However it has slowed down due to influence of the regional economic crisis and natural calamities such as droughts and floods. The decline of prices of major agricultural crops in international market also reduced Vietnam's export turnover. It will not be easy for Vietnam to continue high economic performance under the ongoing worldwide recession.

On the contrary, Vietnam has a lot of future potential for economic development. The bilateral trade agreement with the United States and future affiliation with the World Trade Organization (WTO) will accelerate Vietnam's international trade. Its rich natural and human resources, potential domestic market, cost competitiveness in the international market must contribute greatly to the economic development of the country.

In Vietnam, each province has its economic development target by sector. The economic development targets of the objective provinces are collected by the questionnaire survey with assistance of IWRP. Some data from the provinces are not complete or appropriate but they are the official targets and esteemed as much as possible.

However, when the economic development targets of provinces are not available at all, those prepared by MPI were applied. When the economic development targets are available but those in 2010 and/or 2020 are not available, the same growth rates as previous period were applied to estimate the future growth targets.

The total of the economic growth targets of the whole provinces and cities almost conforms to the socio-economic development plan of the country as a whole. Economic development plans of the 14 river basins in this study, therefore, are established based on those provincial targets.

The following three development scenarios might be envisioned for the socio-economic development of the provinces in the river basins:

(1) Medium development scenario

This scenario is based on the provincial economic development targets which almost conform to the Socio-economic Development Plans of the Government until the years 2005, 2010, and 2020 as discussed in Chapter 2 and the provincial targets discussed above.

(2) Higher development scenario

This scenario is to attain higher economic growth than the provincial development targets by 10% in terms of annual economic growth (If the annual economic growth rate of the medium development scenario is 10%, the higher development scenario attains the annual economic growth of 11%).

(3) Lower development scenario

This scenario is to attain lower economic growth than the provincial development targets by 10% in terms of annual economic growth (If the annual economic growth rate of the medium development scenario is 10%, the lower development scenario attains the annual economic growth of 9%).

The medium development scenario will be utilized as the base, and those of the higher and/or the lower development scenarios are examined to establish optimum water utilization plans. The economic development targets based on the three development scenarios are presented in Table E.26.

3.2 Development Targets of the Provinces in the River Basins

In accordance with the three development scenarios, macro targets (medium development scenario) for the objective provinces in the river basins for the years 2001, 2005, 2010, 2015, 2020 are discussed hereunder. Since the Red and Thai Binh River Basin is extensive and its socio-economic characteristics varies from mountainous areas to plain areas, the development targets are set dividing into two; Red River Delta and the other areas of the basin.

3.2.1 Bang Giang and Ky Cung River Basin

(Objective Provinces: Cao Bang and Lang Son)

Macro-economic Targets of the Provinces in the Bang Giang and Ky Cung River Basin

Year	2001	2005	2010	2015	2020
Population (1,000)	1,234	1,291	1,366	1,445	1,530
of which urban	204	211	222	233	245
of which rural	1,030	1,080	1,144	1,212	1,285
Annual population growth rate (%)	1.1	1.1	1.1	1.1	1.1
GRDP (Billion VND in 2000 price)	3,821	5,173	7,660	11,500	17,488
Annual GRDP growth rate (%)	(2000-01)	(2001-05)	(2005-10)	(2010-15)	(2015-20)
Whole	7.8	7.8	8.2	8.6	8.6
of which, agri., for., & fishery	5.7	5.7	6.0	6.3	6.3
of which, industry & constr.	10.6	10.6	10.7	10.7	10.7
of which, service	9.4	9.4	9.5	9.6	9.6
Share (%): - Agri., for., & fishery	48	45	40	36	33
- Industry & constr.	14	16	18	20	22
- Service	38	39	42	44	45
Per capita GRDP (VND1,000 in 2000 price)	3,096	4,007	5,608	7,958	11,430

(1) Population

The population is targeted to grow at rates of 1.1% per annum. At the target year 2020, the total population of the provinces is estimated to reach approximately 1.53 million.

(2) Gross Regional Domestic Product (GRDP)

The area has achieved a high economic growth at a rate of 10.5% per annum from 1995 to 2000. The future economic growth rates of the provinces have been estimated at 7.8% from 2000 to 2005, 8.2% from 2005 to 2010, and 8.6% from 2010 to 2020 per annum. The share of agriculture, forestry, and fishery will drop gradually from the present 48% to 33% in 2020 while those of industry and service sectors increase from 14% and 38% in 2001 to 22% and 45% in 2020, respectively.

(3) Per Capita GRDP

Per capita GRDP of the basin was estimated to be VND2,967 thousand in 2000, which was far lower than national average of VND5,717 thousand. It is forecasted that per capita GRDP will reach VND11,430 thousand in 2020 with an annual growth rate of 7.0%.

3.2.2 Red and Thai Binh River Basin (Red River Delta)

(Objective Provinces: Ha Noi, Hai Phong, Vinh Phuc, Ha Tay, Bac Ninh, Hai Duong, Hung Yen, Ha Nam, Nam Dinh, Thai Binh, and Ninh Binh)

Macro-economic Targets of the Provinces in Red River Delta

Year	2001	2005	2010	2015	2020
Population (1,000)	17,360	18,311	19,394	20,425	21,649
of which urban	3,585	4,567	5,842	6,668	7,646
of which rural	13,775	13,744	13,552	13,757	14,003
Annual population growth rate (%)	1.4	1.3	1.2	1.1	1.1
GRDP (Billion VND in 2000 price)	82,229	114,589	175,457	243,620	369,605
Annual GRDP growth rate (%)	(2000-01)	(2001-05)	(2005-10)	(2010-15)	(2015-20)
Whole	8.0	8.0	8.9	7.7	7.7
of which, agri., for., & fishery	8.4	8.4	3.9	2.9	2.9
of which, industry & constr.	9.4	9.4	12.2	11.2	11.2
of which, service	6.7	6.7	8.5	5.3	5.3
Share (%): - Agri., for., & fishery	23	24	19	16	12
- Industry & constr.	33	35	41	47	56
- Service	44	41	40	37	32
Per capita GRDP (VND1,000 in 2000 price)	4,737	6,258	9,047	11,928	17,073

(1) Population

Average population growth rate has been gradually decelerated for these 10 years in the basin. The same deceleration trend will continue over the next decades. Population is targeted to grow at rates between 1.1% and 1.4%. At the target year 2020, the total population of the Red River Delta is estimated to reach approximately 21.6 million while that of Hanoi is estimated to be 3.8 million inhabitants.

(2) Gross Regional Domestic Product (GRDP)

The area has achieved a high economic growth at a rate of 9.2% per annum from 1995 to 2000. The future economic growth rates of the river basin have been estimated at 8.0% from 2000 to 2005, 8.9% from 2005 to 2010, and 7.7% from 2010 to 2020 per annum. The share of agriculture, forestry, and fishery will drop gradually from the present 23% to 12% in 2020 while those of industry and service sectors increase from 33% and 44% in 2001 to 56% and 32% in 2020, respectively. Approximately 37% of GRDP of Red River Delta was earned by Hanoi at present but its ratio will drop gradually to 12 % in 2020.

(3) Per Capita GRDP

Per capita GRDP of the basin was estimated to be VND4,708 thousand in 2000, which was lower than national average of VND5,717 thousand. It is forecasted that per capita GRDP will reach VND17,000 thousand in 2020 and it is four times larger than present level..

3.2.3 Red and Thai Binh River Basin (Outside of Red River Delta)

(Objective Provinces: Ha Giang, Lao Cai, Bac Kan, Tuyen Quang, Yen Bai, Thai Nguyen, Phu Tho, Bac Giang, Quang Ninh, Lai Chau, Son La, and Hoa Binh)

Macro-economic Targets of the Provinces outside of Red River Delta in the basin

Year	2001	2005	2010	2015	2020
Population (1,000)	10,228	11,098	12,101	13,038	14,077
of which urban	1,721	2,083	2,603	2,954	3,363
of which rural	8,507	9,015	9,498	10,084	10,714
Annual population growth rate (%)	1.8	2.0	1.7	1.5	1.5
GRDP (Billion VND in 2000 price)	29,139	47,337	68,828	93,386	128,673
Annual GRDP growth rate (%)	(2000-01)	(2001-05)	(2005-10)	(2010-15)	(2015-20)
Whole	11.8	11.8	7.8	6.5	6.5
of which, agri., for., & fishery	8.0	8.0	6.0	6.0	6.0
of which, industry & constr.	15.4	15.4	9.3	6.9	6.9
of which, service	12.7	12.7	7.8	6.3	6.3
Share (%): - Agri., for., & fishery	36	32	29	29	28
- Industry & constr.	28	32	34	35	36
- Service	36	36	37	36	36
Per capita GRDP (VND1,000 in 2000 price)	2,849	4,265	5,688	7,163	9,141

(1) Population

Average population growth rate has been gradually decelerated for these 10 years from 2% in 1990 to 1.4% in 2000 in the basin. The same trend will continue over the next decades. The population is targeted to grow at rates between 1.5% and 2.0%. At the target year 2020, the total population outside of Red River Delta in the basin is estimated to reach approximately 14.08 million.

(2) Gross Regional Domestic Product (GRDP)

The area has achieved a high economic growth at a rate of 8.3% per annum from 1995 to 2000. The future economic growth rates of the river basin have been estimated at 11.8% from 2000 to 2005, 7.8% from 2005 to 2010, and 6.5% from 2010 to 2020 per annum. The share of agriculture, forestry, and fishery will drop gradually from the present 36% to 28% in 2020 while those of industry and service sectors increase from 28% and 36% in 2001 to 36% and 66% in 2020, respectively.

(3) Per Capita GRDP

Per capita GRDP of the basin was estimated to be VND2,613 thousand in 2000, which was less than half of the national average of VND5,717 thousand. It is forecasted that per

capita GRDP will reach VND9,141 thousand in 2020 but it is still very small comparing with that of Red River Delta.

3.2.4 Ma River Basin

(Objective Province: Thanh Hoa)

Macro-economic Targets of the Province in the Ma River Basin

Year	2001	2005	2010	2015	2020
Population (1,000)	3,605	3,790	3,980	4,183	4,396
of which urban	378	568	995	1,046	1,099
of which rural	3,227	3,222	2,985	3,137	3,297
Annual population growth rate (%)	1.2	1.3	1.0	1.0	1.0
GRDP (Billion VND in 2000 price)	8,498	12,535	20,965	37,040	68,664
Annual GRDP growth rate (%)	(2000-01)	(2001-05)	(2005-10)	(2010-15)	(2015-20)
Whole	10.3	10.3	10.8	12.6	12.6
of which, agri., for., & fishery	6.2	6.2	3.8	3.8	3.8
of which, industry & constr.	16.3	16.3	16.5	16.5	16.5
of which, service	8.6	8.6	9.4	9.4	9.4
Share (%): - Agri., for., & fishery	37	31	23	15	10
- Industry & constr.	31	38	49	59	68
- Service	32	31	28	26	22
Per capita GRDP (VND1,000 in 2000 price)	2,357	3,307	5,268	8,855	15,620

(1) Population

Average population growth rate has been dropped from 1.5% in 1991 to 0.8% in 2000. The same growth trend will continue over the next decades. Population is targeted to grow at rates between 1.0% and 1.3%. At the target year 2020, the total population of the province is estimated to reach approximately 4.4 million.

(2) Gross Regional Domestic Product (GRDP)

The area has achieved a high economic growth at a rate of 7.3% per annum from 1995 to 2000. The future economic growth rates of the river basin have been targeted at 10.3% from 2000 to 2005, 10.8% from 2005 to 2010, and 12.6% from 2010 to 2020. The share of agriculture, forestry, and fishery will drop gradually from the present 37% to 10% in 2020 while those of industry and service sectors increase from 31% and 32% in 2001 to 68% and 22% in 2020, respectively.

(3) Per Capita GRDP

Per capita GRDP of the basin is targeted at VND2,357 thousand in 2001 and VND15,620 thousand in 2020 (in 2000 price). This means per capita GRDP will grow with an annual growth rate of 6.4%, which is faster than the national average of 6.4%.

3.2.5 Ca River Basin

(Objective Provinces: Nghe An and Ha Tinh)

Macro-economic Targets of the Provinces in the Ca River Basin

Year	2001	2005	2010	2015	2020
Population (1,000)	4,394	4,687	4,989	5,271	5,575
of which urban	373	543	716	777	843
of which rural	4,021	4,144	4,273	4,494	4,732
Annual population growth rate (%)	1.3	1.6	1.3	1.1	1.1
GRDP (Billion VND in 2000 price)	12,405	17,765	24,100	34,068	48,500
Annual GRDP growth rate (%)	(2000-01)	(2001-05)	(2005-10)	(2010-15)	(2015-20)
Whole	9.4	9.4	6.3	7.2	7.2
of which, agri., for., & fishery	4.5	4.5	2.5	4.7	4.7
of which, industry & constr.	17.7	17.7	14.4	8.6	8.6
of which, service	10.6	10.6	3.4	7.8	7.8
Share (%): - Agri., for., & fishery	44	37	31	27	24
- Industry & constr.	19	25	36	38	40
- Service	37	38	33	35	36
Per capita GRDP (VND1,000 in 2000 price)	2,823	3,790	4,831	6,463	8,700

(1) Population

Average population growth rate has been dropped from 1.4% in 1991 to 0.9% in 2000. The population is targeted to grow at rates between 1.1% and 1.6%. At the target year 2020, the total population of the provinces in the Ca River basin is estimated to reach approximately 5.6 million.

(2) Gross Regional Domestic Product (GRDP)

The area has achieved a high economic growth at a rate of 7.2% per annum from 1995 to 2000. The future economic growth rates of the river basin have been estimated at 9.4% from 2000 to 2005, 6.3% from 2005 to 2010, and 7.2% from 2010 to 2020 per annum. The share of agriculture, forestry, and fishery will drop gradually from the present 44% to 24% in 2020 while those of industry and service sectors increase from 19% and 37% in 2001 to 40% and 36% in 2020, respectively.

(3) Per Capita GRDP

Per capita GRDP of the basin was estimated to be VND2,718 thousand in 2000, which was almost half of the national average of VND5,717 thousand. During the period from 2001 to 2020, it is forecasted that per capita GRDP will grow with an annual growth rate of 6.1%.

3.2.6 Thach Han River Basin

(Objective Province: Quang Tri)

Macro-economic Targets of the Province in the Thach Han River Basin

Year	2001	2005	2010	2015	2020
Population (1,000)	598	633	669	706	746
of which urban	148	154	163	172	182
of which rural	450	479	506	534	564
Annual population growth rate (%)	1.9	1.5	1.1	1.1	1.1
GRDP (Billion VND in 2000 price)	1,813	2,529	3,500	4,978	7,100
Annual GRDP growth rate (%)	(2000-01)	(2001-05)	(2005-10)	(2010-15)	(2015-20)
Whole	8.5	8.5	6.7	7.3	7.3
of which, agri., for., & fishery	5.3	5.3	4.6	5.7	5.7
of which, industry & constr.	20.5	20.5	8.8	8.4	8.4
of which, service	6.2	6.2	7.3	7.9	7.9
Share (%): - Agri., for., & fishery	44	39	35	32	30
- Industry & constr.	17	25	28	30	31
- Service	39	36	37	38	39
Per capita GRDP (VND1,000 in 2000 price)	3,032	3,996	5,232	7,051	9,517

(1) Population

Average population growth rate has been dropped from 2.2% in 1991 to 1.0% in 2000. The population is targeted to grow at the rates between 1.9% and 1.9%. At the target year 2020, the total population of the Thach Han River basin is estimated to reach approximately 764,000.

(2) Gross Regional Domestic Product (GRDP)

The area has achieved a high economic growth at a rate of 8.6% per annum from 1995 to 2000. The future economic growth rates of the river basin have been estimated at 8.5% from 2000 to 2005, 6.7% from 2005 to 2010, and 7.3% from 2010 to 2020 per annum. The share of agriculture, forestry, and fishery will drop gradually from the present 44% to 30% in 2020 while those of industry and service sectors increase from 17% and 39% in 2001 to 31% and 39% in 2020, respectively.

(3) Per Capita GRDP

Per capita GRDP of the basin was estimated to be VND2,890 thousand in 2000, which was almost half of the national average of VND5,717 thousand. During the period from 2001 to 2020, it is forecasted that per capita GRDP will grow with an annual growth rate of 6.2%, which is almost same as national average of 6.4%.

3.2.7 Huong River Basin

(Objective Province: Thua Thien-Hue)

Macro-economic Targets of the Province in the Huong River Basin

Year	2001	2005	2010	2015	2020
Population (1,000)	1,083	1,142	1,220	1,307	1,403
of which urban	319	348	400	460	528
of which rural	764	794	820	847	875
Annual population growth rate (%)	1.6	1.4	1.3	1.4	1.4
GRDP (Billion VND in 2000 price)	3,875	6,510	10,650	15,541	22,896
Annual GRDP growth rate (%)	(2000-01)	(2001-05)	(2005-10)	(2010-15)	(2015-20)
Whole	13.5	13.5	10.3	8.0	8.0
of which, agri., for., & fishery	9.5	9.5	5.4	4.0	4.0
of which, industry & constr.	16.5	16.5	14.0	10.0	10.0
of which, service	13.3	13.3	9.2	7.0	7.0
Share (%): - Agri., for., & fishery	23	20	16	13	11
- Industry & constr.	32	35	42	46	50
- Service	45	45	42	41	39
Per capita GRDP (VND1,000 in 2000 price)	3,578	5,701	8,730	11,891	16,319

(1) Population

Population growth of the Huong River basin has been relatively stable between 1.2% and 1.6% per annum during the last decade. The population in the next decades is targeted to grow at rates between 1.6% and 1.3%. At the target year 2020, the total population of the Huong River basin is estimated to reach approximately 1.4 million.

(2) Gross Regional Domestic Product (GRDP)

The area has achieved an economic growth at a rate of 6.3% per annum from 1995 to 2000. The future economic growth rates of the river basin have been targeted at 13.5% from 2000 to 2005, 10.3% from 2005 to 2010, and 8.0% from 2010 to 2020 per annum. The share of agriculture, forestry, and fishery will drop gradually from the present 23% to 11% in 2020. The share of service sector will also drop from 45% to 39%, while that of industrial sector will increase from 32% to 50%.

(3) Per Capita GRDP

Per capita GRDP of the basin was estimated to be VND3,251 thousand in 2000, which was lower than national average of VND5,717 thousand. During the period from 2001 to 2020, it is forecasted that per capita GRDP will become about four times of the present amount.

3.2.8 Vu Gia-Thu Bon River Basin

(Objective Provinces: Da Nang and Quang Nam)

Macro-economic Targets of Vu Gia-Thu Bon River Basin

Year	2001	2005	2010	2015	2020
Population (1,000)	2,133	2,246	2,415	2,518	2,619
of which urban	790	859	975	1,035	1,096
of which rural	1,343	1,387	1,440	1,483	1,523
Annual population growth rate (%)	1.0	1.2	1.5	0.8	0.8
GRDP (Billion VND in 2000 price)	7,660	12,143	19,169	29,289	45,341
Annual GRDP growth rate (%)	(2000-01)	(2001-05)	(2005-10)	(2010-15)	(2015-20)
Whole	11.9	11.9	9.6	9.0	9.0
of which, agri., for., & fishery	1.6	1.6	4.7	4.2	4.2
of which, industry & constr.	14.7	14.7	12.2	8.7	8.7
of which, service	15.8	15.8	8.8	10.6	10.6
Share (%): - Agri., for., & fishery	27	18	15	12	9
- Industry & constr.	37	40	46	45	44
- Service	36	42	39	43	47
Per capita GRDP (VND1,000 in 2000 price)	3,591	5,407	7,937	11,632	17,312

(1) Population

Average population growth rate has been dropped from 1.7% in 1991 to 1.2% in 2000. The same relatively low increasing trend will continue over the next decades. Population is targeted to grow at rates between 0.8% and 1.5%. At the target year 2020, the total population of the Vu Gia-Thu Bon River basin is estimated to reach approximately 2.6 million.

(2) Gross Regional Domestic Product (GRDP)

The area has achieved a high economic growth at a rate of 9.2% per annum from 1995 to 2000. The future economic growth rates of the river basin have been estimated at 11.9% from 2000 to 2005, 9.6% from 2005 to 2010, and 9.0% from 2010 to 2020 per annum. The share of agriculture, forestry, and fishery will drop gradually from the present 27% to 9% in 2020 while those of industry and service sectors increase from 37% and 36% in 2001 to 44% and 47% in 2020, respectively.

(3) Per Capita GRDP

Per capita GRDP of the basin is targeted at VND3,591 thousand in 2001 and VND17,312 thousand in 2020 (in 2000 price). This means per capita GRDP will grow with an annual growth rate of 8.6%, which is far faster than the national average of 6.4%.

3.2.9 Tra Khuc River Basin

(Objective Province: Quang Ngai)

Macro-economic Targets of the Province in the Tra Khuc River Basin

Year	2001	2005	2010	2015	2020
Population (1,000)	1,214	1,273	1,345	1,421	1,501
of which urban	145	152	161	170	180
of which rural	1,069	1,121	1,184	1,251	1,321
Annual population growth rate (%)	1.2	1.2	1.1	1.1	1.1
GRDP (Billion VND in 2000 price)	3,618	4,822	6,818	9,908	14,597
Annual GRDP growth rate (%)	(2000-01)	(2001-05)	(2005-10)	(2010-15)	(2015-20)
Whole	7.4	7.4	7.2	7.9	7.9
of which, agri., for., & fishery	4.3	4.3	3.7	4.0	4.0
of which, industry & constr.	10.8	10.8	9.2	10.0	10.0
of which, service	6.2	6.2	7.8	7.0	7.0
Share (%): - Agri., for., & fishery	38	34	28	24	20
- Industry & constr.	40	45	50	55	60
- Service	22	21	22	21	20
Per capita GRDP (VND1,000 in 2000 price)	2,980	3,788	5,069	6,973	9,725

(1) Population

Average population growth rate has been dropped from 1.3% in 1991 to 0.6% in 2000. Population is targeted to grow at rates between 1.1% and 1.2%. At the target year 2020, the total population of the Tra Khuc River basin is estimated to reach approximately 1.50 million.

(2) Gross Regional Domestic Product (GRDP)

The area has achieved a high economic growth at a rate of 8.6% per annum from 1995 to 2000. The future economic growth rates of the river basin have been estimated at 7.4% from 2000 to 2005, 7.2% from 2005 to 2010, and 7.9% from 2010 to 2020 per annum. The share of agriculture, forestry, and fishery will drop gradually from the present 38% to 20% in 2020 while those of industry and service sectors increase from 40% and 22% in 2001 to 60% and 20% in 2020, respectively.

(3) Per Capita GRDP

Per capita GRDP of the basin was estimated to be VND2,813 thousand in 2000, which was almost half of the national average of VND5,717 thousand. During the period from 2001 to 2020, it is forecasted that per capita GRDP will grow with an annual growth rate of 6.4%, which is slightly faster than the national average of 6.4%.

3.2.10 Kone River Basin

(Objective Province: Binh Dinh)

Macro-economic Targets of the Province in the Kone River Basin

Year	2001	2005	2010	2015	2020
Population (1,000)	1,503	1,573	1,684	1,793	1,910
of which urban	363	387	437	483	533
of which rural	1,140	1,186	1,247	1,310	1,377
Annual population growth rate (%)	1.1	1.1	1.4	1.3	1.3
GRDP (Billion VND in 2000 price)	5,010	6,674	9,797	14,609	21,939
Annual GRDP growth rate (%)	(2000-01)	(2001-05)	(2005-10)	(2010-15)	(2015-20)
Whole	7.8	7.8	8.0	8.4	8.4
of which, agri., for., & fishery	3.8	3.8	2.5	5.2	5.2
of which, industry & constr.	12.5	12.5	11.6	9.0	9.0
of which, service	8.9	8.9	9.7	9.7	9.7
Share (%): - Agri., for., & fishery	40	35	27	23	20
- Industry & constr.	24	28	33	34	35
- Service	36	37	40	43	45
Per capita GRDP (VND1,000 in 2000 price)	3,333	4,243	5,818	8,148	11,486

(1) Population

Average population growth rate has been dropped from 1.6% in 1991 to 1.1% in 2000. The same trend will continue over the next decades. The population is targeted to grow at rates between 1.1% and 1.4%. At the target year 2020, the total population of the Kone River basin is estimated to reach approximately 1.91 million.

(2) Gross Regional Domestic Product (GRDP)

The area has achieved a high economic growth at a rate of 8.9% per annum from 1995 to 2000. The future economic growth rates of the river basin have been estimated at 7.8% from 2000 to 2005, 8.0% from 2005 to 2010, and 8.4% from 2010 to 2020 per annum. The share of agriculture, forestry, and fishery will drop gradually from the present 40% to 20% in 2020 while those of industry and service sectors increase from 24% and 36% in 2001 to 35% and 45% in 2020, respectively.

(3) Per Capita GRDP

Per capita GRDP of the basin was estimated to be VND3,099 thousand in 2000, which was far smaller than the national average of VND5,717 thousand. During the period from 2001 to 2020, it is forecasted that per capita GRDP will grow with an annual growth rate of 6.7%, which is faster than the national average of 6.4%.

3.2.11 Ba River Basin

(Objective Province: Phu Yen and Gia Lai)

Macro-economic Targets of the Provinces in the Ba River Basin

Year	2001	2005	2010	2015	2020
Population (1,000)	1,834	2,003	2,255	2,378	2,507
of which urban	423	486	629	664	700
of which rural	1,411	1,517	1,626	1,714	1,807
Annual population growth rate (%)	2.3	2.2	2.4	1.1	1.1
GRDP (Billion VND in 2000 price)	6,272	8,329	12,706	19,062	29,396
Annual GRDP growth rate (%)	(2000-01)	(2001-05)	(2005-10)	(2010-15)	(2015-20)
Whole	7.3	7.3	8.8	8.7	8.7
of which, agri., for., & fishery	4.8	4.8	4.0	4.0	4.0
of which, industry & constr.	11.6	11.6	11.6	10.7	10.7
of which, service	6.6	6.6	16.0	11.9	11.9
Share (%): - Agri., for., & fishery	56	50	40	32	25
- Industry & constr.	30	36	41	45	49
- Service	14	14	19	23	26
Per capita GRDP (VND1,000 in 2000 price)	3,420	4,158	5,635	8,016	11,726

(1) Population

The Ba River basin has had a high population growth during the last decade. Average population growth rate has been between 2.7% to 3.0% per annum. It will slow down a little bit over the next decades. Population is targeted to grow at rates between 1.1% and 2.4%. At the target year 2020, the total population of the Ba River basin is estimated to reach approximately 2.51 million.

(2) Gross Regional Domestic Product (GRDP)

The area has achieved a high economic growth at a rate of 10.8% per annum from 1995 to 2000. The future economic growth rates of the river basin have been estimated at 7.3% from 2000 to 2005, 8.8% from 2005 to 2010, and 8.7% from 2010 to 2020. The share of agriculture, forestry, and fishery will drop gradually from the present 56% to 25% in 2020 while those of industry and service sectors increase from 30% and 14% in 2001 to 49% and 26% in 2020, respectively.

(3) Per Capita GRDP

Per capita GRDP of the basin was estimated to be VND2,913 thousand in 2000, which was almost half of the national average of VND5,717 thousand. During the period from 2001 to 2020, it is forecasted that per capita GRDP will grow with an annual growth rate of 6.7%, which is faster than the national average of 6.4%.

3.2.12 Dong Nai River Basin

(Objective Provinces: Ho Chi Minh City, Lam Dong, Binh Phuoc, Tay Ninh, Binh Duong, Dong Nai, and Binh Thuan)

Macro-economic Targets of the Provinces in the Dong Nai River Basin

Year	2001	2005	2010	2015	2020
Population (1,000)	11,966	13,616	15,231	16,266	17,381
of which urban	5,465	6,664	7,866	8,600	9,404
of which rural	6,501	6,952	7,365	7,666	7,977
Annual population growth rate (%)	2.1	3.0	2.3	1.3	1.3
GRDP (Billion VND in 2000 price)	88,571	113,078	154,939	185,167	224,911
Annual GRDP growth rate (%)	(2000-01)	(2001-05)	(2005-10)	(2010-15)	(2015-20)
Whole	7.0	7.0	6.5	3.8	3.8
of which, agri., for., & fishery	5.8	5.8	4.4	3.2	3.2
of which, industry & constr.	9.0	9.0	8.2	4.4	4.4
of which, service	5.3	5.3	5.1	3.1	3.1
Share (%): - Agri., for., & fishery	12	12	11	10	10
- Industry & constr.	44	47	51	52	54
- Service	44	41	38	38	36
Per capita GRDP (VND1,000 in 2000 price)	7,402	8,305	10,173	11,384	12,940

(1) Population

The Dong Nai River basin has had a high population growth during the last decade. Annual population growth rate has been between 2.4% to 2.8%. Relatively high growth trend will continue over the next decades. Population is targeted to grow at the rates between 1.3% and 3.0%. At the target year 2020, the total population of the Dong Nai River basin is estimated to reach approximately 17.38 million.

(2) Gross Regional Domestic Product (GRDP)

The area has achieved a high economic growth at a rate of 9.1% per annum from 1995 to 2000. The future economic growth rates of the river basin have been estimated at 7.0% from 2000 to 2005, 6.5% from 2005 to 2010, and 3.8% from 2010 to 2020 per annum. The share of agriculture, forestry, and fishery will drop gradually from the present 12% to 10% in 2020. The share of service sector will also drop from 44% to 36%, while that of industry and construction sector will increase from 44% in 2001 to 54% in 2020.

(3) Per Capita GRDP

Per capita GRDP of the basin is targeted at VND7,402 thousand in 2001 and VND12,940 thousand in 2020 (in 2000 price). This means per capita GRDP will grow with an annual growth rate of 3.0%, which is slower than the national average of 6.0%, since the basin already has the highest per capita GRDP among 14 river basins.

3.2.13 Se San River Basin

(Objective Province: Kon Tum)

Macro-economic Targets of the Province in the Se San River Basin

Year	2001	2005	2010	2015	2020
Population (1,000)	338	380	420	480	550
of which urban	226	247	260	281	303
of which rural	112	133	160	199	247
Annual population growth rate (%)	3.1	3.0	2.0	2.7	2.7
GRDP (Billion VND in 2000 price)	876	1,277	1,812	2,512	3,529
Annual GRDP growth rate (%)	(2000-01)	(2001-05)	(2005-10)	(2010-15)	(2015-20)
Whole	8.6	8.6	7.2	6.9	6.9
of which, agri., for., & fishery	7.6	7.6	5.3	4.0	4.0
of which, industry & constr.	13.8	13.8	14.2	10.0	10.0
of which, service	7.5	7.5	5.1	7.0	7.0
Share (%): - Agri., for., & fishery	44	43	39	34	30
- Industry & constr.	16	20	27	32	37
- Service	40	37	34	34	33
Per capita GRDP (VND1,000 in 2000 price)	2,592	3,361	4,314	5,233	6,416

(1) Population

The Se San River basin has had a high population growth during the last decade. Average population growth rate has been between 3.1% and 3.5% per annum. The same relatively high growth trend will continue over the next decades. Population is targeted to grow at rates between 2.0% and 3.1%. At the target year 2020, the total population of the Se San River basin is estimated to reach approximately 550,000.

(2) Gross Regional Domestic Product (GRDP)

The area has achieved a high economic growth at a rate of 10.6% per annum from 1995 to 2000. The future economic growth rates of the river basin have been estimated at 8.6% from 2000 to 2005, 7.2% from 2005 to 2010, and 6.9% from 2010 to 2020 per annum. The share of agriculture, forestry, and fishery will drop gradually from the present 44% to 30% in 2020. The share of service sector will also decrease from the present 40% to 33% in 2020, while that of industry sectors will increase from 16% in 2001 to 37% in 2020.

(3) Per Capita GRDP

Per capita GRDP of the basin was estimated to be VND2,586 thousand in 2000, which was less than half of the national average of VND5,717 thousand. During the period from 2001 to 2020, it is forecasted that per capita GRDP will grow with an annual growth rate of 4.9%, which is slower than the national average of 6.4%.

3.2.14 Srepok River Basin

(Objective Province: Dak Lak)

Macro-economic Targets of the Province in the Srepok River Basin

Year	2001	2005	2010	2015	2020
Population (1,000)	1,940	2,190	2,549	2,935	3,325
of which urban	412	484	614	764	925
of which rural	1,528	1,706	1,935	2,171	2,400
Annual population growth rate (%)	3.1	3.1	3.1	2.7	2.7
GRDP (Billion VND in 2000 price)	5,460	7,035	10,624	15,344	22,552
Annual GRDP growth rate (%)	(2000-01)	(2001-05)	(2005-10)	(2010-15)	(2015-20)
Whole	6.5	6.5	8.6	7.8	7.8
of which, agri., for., & fishery	4.3	4.3	4.7	4.5	4.5
of which, industry & constr.	12.9	12.9	15.5	11.0	11.0
of which, service	8.2	8.2	11.3	9.5	9.5
Share (%): - Agri., for., & fishery	62	57	47	41	35
- Industry & constr.	13	16	22	26	30
- Service	25	27	31	33	35
Per capita GRDP (VND1,000 in 2000 price)	2,814	3,212	4,168	5,228	6,783

(1) Population

The Srepok River basin has had an extremely high population increasing during the last decade. Average population increasing rate has been between 3.9% and 8.0% per annum. The same relatively high increasing trend will continue over the next decades. Population is targeted to increase at rates between 2.7% and 3.1%. At the target year 2020, the total population of the Srepok River basin is estimated to reach approximately 3.33 million.

(2) Gross Regional Domestic Product (GRDP)

The area has achieved a high economic growth at a rate of 14.7% per annum from 1995 to 2000. The future economic growth rates of the river basin have been estimated at 6.5% from 2000 to 2005, 8.6% from 2005 to 2010, and 7.8% from 2010 to 2020 per annum. Agriculture, forestry, and fishery will keep relatively high percentage in GRDP from the present 62% to 35% in 2020 while those of industry and service sectors increase from 13% and 25% in 2001 to 30% and 35% in 2020, respectively.

(3) Per Capita GRDP

Per capita GRDP of the basin is targeted at VND2,814 thousand in 2001 and VND6,783 thousand in 2020 (in 2000 price). This means per capita GRDP will grow with an annual growth rate of 4.7%, which is slower than the national average of 6.4% due to pressure of rapid population increase.

3.2.15 Cuu Long River Delta

(Objective Province: Long An, Dong Thap, An Giang, Tien Giang, Vinh Long, Ben Tre, Kien Giang, Can Tho, Tra Vinh, Soc Trang, Bac Lieu, Ca Mau)

Macro-economic Targets of the Provinces in Cuu Long River Delta

Year	2001	2005	2010	2015	2020
Population (1,000)	16,832	18,049	19,466	20,471	21,509
of which urban	3,036	3,884	4,952	5,256	5,569
of which rural	13,796	14,165	14,514	15,215	15,940
Annual population growth rate (%)	1.5	1.7	1.5	1.0	1.0
GRDP (Billion VND in 2000 price)	73,071	115,114	190,891	276,851	418,777
Annual GRDP growth rate (%)	(2000-01)	(2001-05)	(2005-10)	(2010-15)	(2015-20)
Whole	10.8	10.8	10.6	8.2	8.2
of which, agri., for., & fishery	7.6	7.6	7.2	4.5	4.5
of which, industry & constr.	16.0	16.0	14.4	11.9	11.9
of which, service	13.1	13.1	12.6	8.6	8.6
Share (%): - Agri., for., & fishery	53	47	40	34	28
- Industry & constr.	18	22	26	31	36
- Service	29	31	34	35	36
Per capita GRDP (VND1,000 in 2000 price)	4,341	6,378	9,806	13,524	19,470

(1) Population

Population growth of the Cuu Long River Delta has been dropped gradually from 1.3% in 1991 to 1.1% in 2000. Population is targeted to grow at the rates between 1.0% and 1.7%. At the target year 2020, the total population of the Cuu Long River Delta is estimated to reach approximately 21.51 million.

(2) Gross Regional Domestic Product (GRDP)

The area has achieved a high economic growth at a rate of 7.8% per annum from 1995 to 2000. The future economic growth rates of the river basin have been estimated at 10.8% from 2000 to 2005, 10.6% from 2005 to 2010, and 8.2% from 2010 to 2020 per annum. The share of agriculture, forestry, and fishery will drop gradually from the present 53% to 28% in 2020 while those of industry and service sectors increase from 18% and 29% in 2001 to 36% and 36% in 2020, respectively.

(3) Per Capita GRDP

Per capita GRDP of the basin is targeted at VND4,341 thousand in 2001 and VND19,470 thousand in 2020 (in 2000 price). This means per capita GRDP will grow with an annual growth rate of 8.2%, which is faster than the national average of 6.4%.

The macro-economic targets of the provinces by river basin are shown diagrammatically in Figure E.5.

Table E.1 Area, Population, Sex, Urban, Rural, and Population Density by Province
(Results of Population and Housing Census 1999)

No.	Region/Province	Area (km ²)	Population as of April 1, 1999 (1,000 persons)					Population density (persons/km ²)
			Total	Male	Female	Urban	Rural	
I.	Red River Delta	14,789	16,834	8,199	8,635	3,296	13,537	1,138
1	Ha Noi	921	2,675	1,337	1,339	1,524	1,151	2,905
2	Hai Phong	1,519	1,672	823	849	570	1,103	1,101
19	Vinh Phuc	1,371	1,092	531	561	114	978	797
3	Ha Tay	2,192	2,378	1,156	1,222	185	2,194	1,085
21	Bac Ninh	804	942	457	485	87	855	1,172
4	Hai Duong	1,648	1,651	797	854	226	1,425	1,002
5	Hung Yen	923	1,069	514	555	100	969	1,158
6	Ha Nam	850	793	383	410	47	746	933
7	Nam Dinh	1,637	1,890	916	974	232	1,658	1,155
8	Thai Binh	1,542	1,786	851	935	100	1,686	1,158
9	Ninh Binh	1,382	884	433	451	112	772	640
II.	Northeast	65,327	8,827	4,387	4,439	1,579	7,248	135
10	Ha Giang	7,884	603	300	303	64	539	76
11	Cao Bang	6,691	490	240	250	66	424	73
12	Lao Cai	8,057	594	297	297	100	494	74
13	Bac Kan	4,857	275	138	138	39	236	57
14	Lang Son	8,305	704	348	355	129	574	85
15	Tuyen Quang	5,868	676	336	340	62	615	115
16	Yen Bai	6,883	679	339	340	132	547	99
17	Thai Nguyen	3,541	1,046	521	525	228	818	295
18	Phu Tho	3,519	1,262	618	644	177	1,084	358
20	Bac Giang	3,822	1,493	738	755	121	1,371	391
22	Quang Ninh	5,900	1,005	513	492	460	545	170
III.	Northwest	35,637	2,226	1,114	1,113	270	1,956	62
23	Lai Chau	16,919	588	296	291	71	517	35
24	Son La	14,055	882	443	439	98	784	63
25	Hoa Binh	4,663	757	375	382	101	655	162
IV.	North Central Coast	51,501	10,008	4,910	5,098	1,261	8,746	194
26	Thanh Hoa	11,106	3,467	1,694	1,773	315	3,153	312
27	Nghe An	16,487	2,859	1,405	1,453	288	2,570	173
28	Ha Tinh	6,056	1,269	621	648	119	1,150	210
29	Quang Binh	8,052	795	393	402	99	695	99
30	Quang Tri	4,746	573	281	291	134	439	121
31	Thua Thien - Hue	5,054	1,045	515	530	306	739	207
V.	South Central Coast	33,066	6,528	3,186	3,342	1,755	4,773	197
32	Da Nang	1,256	685	337	348	544	141	545
33	Quang Nam	10,407	1,374	665	709	203	1,170	132
34	Quang Ngai	5,135	1,190	578	612	136	1,054	232
35	Binh Dinh	6,026	1,461	707	754	348	1,112	242
36	Phu Yen	5,045	787	390	398	147	640	156
37	Khanh Hoa	5,197	1,031	509	522	376	655	198
VI.	Central Highlands	54,476	4,060	2,054	2,006	1,104	2,956	75
38	Kon Tum	9,615	314	158	156	100	214	33
39	Gia Lai	15,496	967	488	479	244	723	62
40	Dak Lak	19,600	1,781	905	876	374	1,406	91
42	Lam Dong	9,765	998	503	495	385	613	102
VII.	Southeast	34,733	11,710	5,737	5,973	6,030	5,680	337
41	Ho Chi Minh City	2,095	5,034	2,421	2,613	4,208	826	2,403
43	Ninh Thuan	3,360	505	250	255	119	386	150
44	Binh Phuoc	6,856	654	334	320	101	553	95
45	Tay Ninh	4,028	967	476	491	132	835	240
46	Binh Duong	2,696	717	346	370	217	500	266
47	Dong Nai	5,895	1,991	992	999	603	1,388	338
48	Binh Thuan	7,828	1,046	522	525	318	728	134
49	Ba Ria - Vung Tau	1,975	796	397	400	333	463	403
VIII.	Cuu Long River Delta	39,713	16,131	7,882	8,248	2,782	13,349	406
50	Long An	4,492	1,306	640	666	212	1,094	291
51	Dong Thap	3,238	1,567	768	798	225	1,342	484
52	An Giang	3,406	2,044	1,004	1,041	441	1,603	600
53	Tien Giang	2,367	1,604	776	828	209	1,395	678
54	Vinh Long	1,475	1,011	491	520	144	867	685
55	Ben Tre	2,315	1,299	629	670	108	1,191	561
56	Kien Giang	6,269	1,498	739	759	329	1,168	239
57	Can Tho	2,986	1,809	886	924	393	1,417	606
58	Tra Vinh	2,226	967	469	498	124	843	434
59	Soc Trang	3,223	1,172	571	601	209	963	364
60	Bac Lieu	2,521	735	358	377	180	555	292
61	Ca Mau	5,195	1,119	552	567	208	911	215
TOTAL		329,241	76,323	37,469	38,854	18,077	58,246	232

Source: - Population and Housing Census Vietnam 1999, Completed Census Results, GSO

- Areas of provinces: Map of Vietnam, 1/2,200,000, Nha Xuat Ban Ban Do - Tong Cuc Dia Chinh

Table E.2 Average Population and Annual Growth Rate by Province

No.	Province	Population (1,000 persons)											Average Annual Growth Rate	
		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	1990-2000 (last 10 years)	1995-2000 (last 5 years)
I.	Red River Delta	15,001	15,243	15,486	15,721	15,936	16,137	16,332	16,520	16,702	16,871	17,018	1.3%	1.1%
1	Ha Noi	2,119	2,181	2,244	2,307	2,370	2,431	2,493	2,556	2,622	2,685	2,736	2.6%	2.4%
2	Hai Phong	1,508	1,530	1,551	1,571	1,591	1,608	1,625	1,642	1,660	1,677	1,691	1.1%	1.0%
19	Vinh Phuc	972	987	1,002	1,017	1,032	1,048	1,062	1,076	1,086	1,094	1,103	1.3%	1.0%
3	Ha Tay	2,117	2,156	2,195	2,241	2,271	2,299	2,328	2,353	2,374	2,392	2,411	1.3%	1.0%
21	Bac Ninh	832	850	870	887	905	916	925	932	938	943	949	1.3%	0.7%
4	Hai Duong	1,558	1,569	1,579	1,589	1,599	1,609	1,620	1,631	1,641	1,651	1,658	0.6%	0.6%
5	Hung Yen	975	988	1,000	1,012	1,023	1,033	1,043	1,052	1,062	1,071	1,082	1.0%	0.9%
6	Ha Nam	722	731	740	748	756	764	772	779	787	793	798	1.0%	0.9%
7	Nam Dinh	1,716	1,739	1,761	1,783	1,804	1,821	1,838	1,856	1,874	1,892	1,905	1.1%	0.9%
8	Thai Binh	1,690	1,704	1,718	1,731	1,743	1,752	1,761	1,770	1,779	1,788	1,797	0.6%	0.5%
9	Ninh Binh	792	808	827	835	844	856	866	874	881	885	888	1.2%	0.8%
II.	Northeast	7,709	7,853	7,989	8,126	8,262	8,399	8,525	8,636	8,737	8,853	8,952	1.5%	1.3%
10	Ha Giang	488	500	510	523	537	550	564	578	590	606	618	2.4%	2.4%
11	Cao Bang	489	489	489	489	489	489	489	490	491	492	497	0.2%	0.3%
12	Lao Cai	483	493	507	522	536	550	563	575	586	599	614	2.4%	2.2%
13	Bac Kan	226	232	238	243	249	254	260	265	271	276	281	2.2%	2.0%
14	Lang Son	629	640	650	660	670	679	689	695	700	706	711	1.2%	0.9%
15	Tuyen Quang	584	597	609	619	629	639	649	659	668	677	686	1.6%	1.4%
16	Yen Bai	601	611	621	630	640	648	656	665	673	682	692	1.4%	1.3%
17	Thai Nguyen	914	934	953	970	987	1,005	1,021	1,030	1,039	1,048	1,054	1.4%	1.0%
18	Phu Tho	1,130	1,151	1,167	1,183	1,198	1,212	1,225	1,238	1,251	1,264	1,274	1.2%	1.0%
20	Bac Giang	1,311	1,335	1,356	1,378	1,403	1,431	1,451	1,468	1,477	1,496	1,509	1.4%	1.1%
22	Quang Ninh	854	872	890	908	925	942	958	974	991	1,007	1,018	1.8%	1.6%
III.	Northwest	1,855	1,897	1,936	1,980	2,022	2,066	2,113	2,159	2,206	2,240	2,288	2.1%	2.1%
23	Lai Chau	465	479	493	507	521	536	550	563	577	594	613	2.8%	2.8%
24	Son La	712	735	756	777	794	812	833	855	877	887	907	2.4%	2.2%
25	Hoa Binh	678	683	687	697	707	719	730	742	752	760	768	1.3%	1.3%
IV.	North Central Coast	8,942	9,079	9,211	9,338	9,463	9,581	9,696	9,813	9,927	10,031	10,121	1.2%	1.1%
26	Thanh Hoa	3,118	3,165	3,211	3,254	3,298	3,338	3,376	3,414	3,449	3,475	3,501	1.2%	1.0%
27	Nghe An	2,526	2,566	2,605	2,641	2,678	2,715	2,753	2,791	2,829	2,865	2,892	1.4%	1.3%
28	Ha Tinh	1,206	1,216	1,225	1,234	1,242	1,248	1,253	1,259	1,264	1,271	1,279	0.6%	0.5%
29	Quang Binh	679	693	707	720	734	746	758	771	784	796	803	1.7%	1.5%
30	Quang Tri	483	493	504	515	526	535	545	555	565	575	581	1.9%	1.7%
31	Thua Thien - Hue	931	945	959	974	987	999	1,011	1,023	1,036	1,049	1,064	1.4%	1.3%
V.	South Central Coast	5,738	5,836	5,932	6,025	6,116	6,202	6,287	6,373	6,461	6,546	6,623	1.4%	1.3%
32	Da Nang	574	587	600	613	626	637	649	662	674	687	700	2.0%	1.9%
33	Quang Nam	1,243	1,260	1,276	1,293	1,307	1,322	1,335	1,348	1,362	1,376	1,389	1.1%	1.0%
34	Quang Ngai	1,084	1,098	1,112	1,125	1,138	1,149	1,160	1,170	1,181	1,192	1,199	1.0%	0.9%
35	Binh Dinh	1,303	1,323	1,342	1,359	1,377	1,394	1,413	1,431	1,450	1,465	1,482	1.3%	1.2%
36	Phu Yen	674	687	701	714	728	740	752	764	777	791	804	1.8%	1.7%
37	Khanh Hoa	861	881	901	921	941	959	978	997	1,016	1,035	1,049	2.0%	1.8%
VI.	Central Highlands	1,990	2,076	2,169	2,268	2,386	2,529	2,672	2,815	2,956	3,092	3,210	4.9%	4.9%
38	Kon Tum	237	245	253	262	271	280	288	297	307	317	327	3.3%	3.2%
39	Gia Lai	703	732	760	790	820	851	882	913	946	982	1,021	3.8%	3.7%
40	Dak Lak	1,050	1,100	1,155	1,216	1,295	1,398	1,502	1,605	1,703	1,793	1,863	5.9%	5.9%
VII.	Southeast	10,124	10,411	10,695	10,977	11,262	11,551	11,839	12,132	12,445	12,782	13,109	2.6%	2.6%
41	Ho Chi Minh	4,144	4,247	4,345	4,439	4,534	4,640	4,748	4,852	4,957	5,073	5,222	2.6%	2.4%
42	Lam Dong	692	723	755	788	822	856	891	928	966	1,005	1,038	4.1%	3.9%
43	Ninh Thuan	411	422	430	443	455	467	477	487	498	507	516	2.3%	2.0%
44	Binh Phuoc	419	443	468	489	513	533	551	573	608	652	687	5.1%	5.2%
45	Tay Ninh	832	848	864	880	895	910	924	939	954	968	979	1.6%	1.5%
46	Binh Duong	543	561	580	600	620	639	659	679	700	721	738	3.1%	2.9%
47	Dong Nai	1,649	1,689	1,728	1,768	1,807	1,845	1,882	1,920	1,959	2,000	2,039	2.1%	2.0%
48	Binh Thuan	828	853	878	903	927	952	976	1,001	1,027	1,051	1,066	2.6%	2.3%
49	Ba Ria - Vung Tau	607	627	647	668	688	709	730	753	776	805	823	3.1%	3.0%
VIII.	Cuu Long River Delta	14,656	14,847	15,032	15,208	15,378	15,532	15,694	15,859	16,024	16,184	16,366	1.1%	1.1%
50	Long An	1,169	1,186	1,204	1,221	1,237	1,251	1,265	1,280	1,295	1,311	1,330	1.3%	1.2%
51	Dong Thap	1,396	1,418	1,439	1,460	1,479	1,489	1,510	1,533	1,557	1,568	1,581	1.2%	1.2%
52	An Giang	1,848	1,874	1,900	1,925	1,949	1,970	1,991	2,011	2,033	2,055	2,080	1.2%	1.1%
53	Tien Giang	1,533	1,545	1,556	1,566	1,575	1,582	1,587	1,594	1,600	1,608	1,621	0.6%	0.5%
54	Vinh Long	970	974	978	982	986	990	996	1,001	1,006	1,012	1,019	0.5%	0.6%
55	Ben Tre	1,247	1,257	1,266	1,271	1,277	1,282	1,287	1,291	1,295	1,299	1,307	0.5%	0.4%
56	Kien Giang	1,242	1,272	1,303	1,332	1,362	1,392	1,422	1,453	1,480	1,504	1,528	2.1%	1.9%
57	Can Tho	1,645	1,665	1,685	1,703	1,721	1,740	1,759	1,778	1,796	1,817	1,839	1.1%	1.1%
58	Tra Vinh	885	896	907	917	926	935	943	951	959	969	982	1.0%	1.0%
59	Soc Trang	1,107	1,117	1,126	1,135	1,143	1,150	1,156	1,162	1,169	1,178	1,194	0.8%	0.8%
60	Bac Lieu	679	685	691	697	703	710	716	724	732	738	745	0.9%	1.0%
61	Ca Mau	937	958	979	1,000	1,021	1,042	1,062	1,081	1,102	1,124	1,140	2.0%	1.8%
TOTAL		66,017	67,242	68,450	69,645	70,825	71,996	73,157	74,307	75,456	76,597	77,686	1.6%	1.5%

Source: - Statistical Yearbook 2000, GSO

Table E.3 Average Population, Urban, Rural, and Annual Growth Rate by Province

No.	Province	Population (1,000 persons)									Average Annual Growth Rate (%)					
		1990			1995			2000			1990-2000 (last 10 years)			1995-2000 (last 5 years)		
		Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural
I.	Red River Delta	15,001	2,359	12,642	16,137	2,689	13,448	17,018	3,427	13,591	1.3	3.8	0.7	1.1	5.0	0.2
1	Ha Noi	2,119	1,096	1,023	2,431	1,275	1,156	2,736	1,581	1,155	2.6	3.7	1.2	2.4	4.4	-0.0
2	Hai Phong	1,508	471	1,037	1,608	524	1,084	1,691	576	1,115	1.1	2.0	0.7	1.0	1.9	0.6
19	Vinh Phuc	972	61	911	1,048	80	969	1,103	118	985	1.3	6.8	0.8	1.0	8.2	0.3
3	Ha Tay	2,117	128	1,989	2,299	162	2,137	2,411	197	2,213	1.3	4.4	1.1	1.0	4.0	0.7
21	Bac Ninh	832	38	794	916	41	875	949	90	859	1.3	8.9	0.8	0.7	16.8	-0.4
4	Hai Duong	1,558	114	1,443	1,609	133	1,476	1,658	230	1,428	0.6	7.2	-0.1	0.6	11.5	-0.7
5	Hung Yen	975	16	959	1,033	24	1,010	1,082	101	981	1.0	20.2	0.2	0.9	33.9	-0.6
6	Ha Nam	722	51	672	764	56	708	798	63	735	1.0	2.2	0.9	0.9	2.4	0.7
7	Nam Dinh	1,716	227	1,489	1,821	220	1,600	1,905	246	1,659	1.1	0.8	1.1	0.9	2.2	0.7
8	Thai Binh	1,690	91	1,599	1,752	96	1,656	1,797	104	1,693	0.6	1.4	0.6	0.5	1.5	0.4
9	Ninh Binh	792	65	727	856	77	778	888	120	768	1.2	6.3	0.6	0.8	9.3	-0.3
II.	Northeast	7,709	1,153	6,556	8,399	1,337	7,062	8,952	1,572	7,380	1.5	3.1	1.2	1.3	3.3	0.9
10	Ha Giang	488	33	455	550	49	502	618	66	553	2.4	7.1	2.0	2.4	6.3	2.0
11	Cao Bang	489	48	441	489	51	439	497	66	432	0.2	3.2	-0.2	0.3	5.4	-0.3
12	Lao Cai	483	60	423	550	94	456	614	105	509	2.4	5.8	1.9	2.2	2.2	2.2
13	Bac Kan	226	28	199	254	34	221	281	42	239	2.2	4.3	1.9	2.0	4.5	1.6
14	Lang Son	629	80	548	679	115	564	711	134	576	1.2	5.3	0.5	0.9	3.1	0.4
15	Tuyen Quang	584	60	524	639	67	571	686	61	625	1.6	0.1	1.8	1.4	-2.0	1.8
16	Yen Bai	601	115	486	648	123	524	692	136	556	1.4	1.7	1.3	1.3	1.9	1.2
17	Thai Nguyen	914	185	729	1,005	201	804	1,054	221	833	1.4	1.8	1.3	1.0	1.9	0.7
18	Phu Tho	1,130	105	1,025	1,212	117	1,095	1,274	181	1,093	1.2	5.5	0.6	1.0	9.0	-0.0
20	Bac Giang	1,311	71	1,240	1,431	82	1,349	1,509	112	1,397	1.4	4.7	1.2	1.1	6.5	0.7
22	Quang Ninh	854	368	486	942	404	538	1,018	449	569	1.8	2.0	1.6	1.6	2.1	1.1
III.	Northwest	1,855	257	1,598	2,066	269	1,797	2,288	278	2,010	2.1	0.8	2.3	2.1	0.7	2.3
23	Lai Chau	465	60	405	536	63	473	613	75	538	2.8	2.3	2.9	2.8	3.6	2.6
24	Son La	712	94	619	812	103	709	907	96	811	2.4	0.2	2.8	2.2	-1.4	2.7
25	Hoa Binh	678	104	574	719	103	616	768	107	661	1.3	0.3	1.4	1.3	0.8	1.4
IV.	North Central Coast	8,942	865	8,077	9,581	1,054	8,526	10,121	1,288	8,833	1.2	4.1	0.9	1.1	4.1	0.7
26	Thanh Hoa	3,118	230	2,888	3,338	274	3,064	3,501	323	3,178	1.2	3.5	1.0	1.0	3.4	0.7
27	Nghe An	2,526	197	2,329	2,715	263	2,452	2,892	300	2,592	1.4	4.3	1.1	1.3	2.7	1.1
28	Ha Tinh	1,206	67	1,139	1,248	87	1,160	1,279	117	1,162	0.6	5.8	0.2	0.5	6.0	0.0
29	Quang Binh	679	55	625	746	70	676	803	96	707	1.7	5.8	1.2	1.5	6.6	0.9
30	Quang Tri	483	70	413	535	100	435	581	138	443	1.9	7.0	0.7	1.7	6.6	0.4
31	Thua Thien - Hue	931	247	683	999	260	740	1,064	313	752	1.4	2.4	1.0	1.3	3.8	0.3
V.	South Central Coast	5,738	1,322	4,416	6,202	1,459	4,744	6,623	1,793	4,830	1.4	3.1	0.9	1.3	4.2	0.4
32	Da Nang	574	389	185	637	426	211	700	553	147	2.0	3.6	-2.3	1.9	5.3	-7.0
33	Quang Nam	1,243	162	1,080	1,322	178	1,144	1,389	207	1,182	1.1	2.5	0.9	1.0	3.1	0.7
34	Quang Ngai	1,084	92	992	1,149	111	1,038	1,199	143	1,056	1.0	4.5	0.6	0.9	5.2	0.3
35	Binh Dinh	1,303	237	1,066	1,394	262	1,132	1,482	357	1,125	1.3	4.2	0.5	1.2	6.3	-0.1
36	Phu Yen	674	123	551	740	135	605	804	152	652	1.8	2.2	1.7	1.7	2.4	1.5
37	Khanh Hoa	861	320	541	959	346	614	1,049	382	668	2.0	1.8	2.1	1.8	2.0	1.7
VI.	Central Highlands	1,990	365	1,625	2,529	513	2,016	3,210	727	2,483	4.9	7.1	4.3	4.9	7.2	4.3
38	Kon Tum	237	39	197	280	64	216	327	104	223	3.3	10.2	1.2	3.2	10.3	0.6
39	Gia Lai	703	148	556	851	192	659	1,021	250	771	3.8	5.4	3.3	3.7	5.4	3.2
40	Dak Lak	1,050	178	872	1,398	258	1,141	1,863	373	1,489	5.9	7.7	5.5	5.9	7.7	5.5
VII.	Southeast	10,124	4,351	5,774	11,551	5,181	6,370	13,109	6,665	6,444	2.6	4.4	1.1	2.6	5.2	0.2
41	Ho Chi Minh	4,144	3,069	1,075	4,640	3,466	1,174	5,222	4,359	863	2.3	3.6	-2.2	2.4	4.7	-6.0
42	Lam Dong	692	237	455	856	308	549	1,038	402	637	4.1	5.4	3.4	3.9	5.5	3.0
43	Ninh Thuan	411	77	335	467	103	363	516	124	391	2.3	5.0	1.6	2.0	3.8	1.5
44	Binh Phuoc	419	-	419	533	81	452	687	104	583	5.1	-	3.4	5.2	5.2	5.2
45	Tay Ninh	832	90	741	910	107	803	979	137	842	1.6	4.3	1.3	1.5	5.0	0.9
46	Binh Duong	543	54	489	639	112	527	738	246	492	3.1	16.4	0.1	2.9	17.1	-1.4
47	Dong Nai	1,649	424	1,225	1,845	536	1,308	2,039	627	1,412	2.1	4.0	1.4	2.0	3.2	1.5
48	Binh Thuan	828	199	630	952	221	730	1,066	319	747	2.6	4.9	1.7	2.3	7.6	0.4
49	Ba Ria - Vung Tau	607	202	405	709	247	462	823	346	477	3.1	5.5	1.6	3.0	7.0	0.6
VIII.	Cuu Long River Delta	14,656	2,208	12,448	15,532	2,437	13,095	16,366	2,871	13,495	1.1	2.7	0.8	1.1	3.3	0.6
50	Long An	1,169	152	1,017	1,251	179	1,072	1,330	220	1,110	1.3	3.8	0.9	1.2	4.2	0.7
51	Dong Thap	1,396	164	1,232	1,489	195	1,295	1,581	230	1,350	1.2	3.5	0.9	1.2	3.4	0.8
52	An Giang	1,848	347	1,501	1,970	368	1,602	2,080	454	1,626	1.2	2.7	0.8	1.1	4.3	0.3
53	Tien Giang	1,533	191	1,342	1,582	201	1,381	1,621	217	1,404	0.6	1.3	0.5	0.5	1.6	0.3
54	Vinh Long	970	122	848	990	133	857	1,019	150	869	0.5	2.1	0.2	0.6	2.5	0.3
55	Ben Tre	1,247	93	1,153	1,282	97	1,185	1,307	122	1,185	0.5	2.7	0.3	0.4	4.7	0.0
56	Kien Giang	1,242	264	978	1,392	285	1,107	1,528	338	1,191	2.1	2.5	2.0	1.9	3.5	1.5
57	Can Tho	1,645	318	1,327	1,740	344	1,396	1,839	399	1,440	1.1	2.3	0.8	1.1	3.0	0.6
58	Tra Vinh	885	64	821	935	93	842	982	127	855	1.0	7.0	0.4	1.0	6.5	0.3
59	Soc Trang	1,107	182	925	1,150	195	955	1,194	215	979	0.8	1.7	0.6	0.8	2.0	0.5
60	Bac Lieu	679	165	514	710	171	538	745	183	562	0.9	1.0	0.9	1.0	1.3	0.9
61	Ca Mau	937	145	791	1,042	176	866	1,140	216	924	2.0	4.1	1.6	1.8	4.2	1.3
TOTAL		66,017	12,880	53,136	71,996	14,938	57,057	77,686	18,620	59,066	1.6	3.8	1.1	1.5	4.5	0.7

Source: - Statistical Yearbook 2000, GSO

Table E.4 Number of Households, Population, and Average Family Size

No.	Province	Number of Households (1,000)			Population (1,000 persons)			Avg. Family Size (persons)		
		Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural
I.	Red River Delta	4,107	827	3,280	14,800	3,095	11,704	3.6	3.7	3.6
1	Ha Noi	642	378	264	2,675	1,524	1,151	4.2	4.0	4.4
2	Hai Phong	414	145	269	1,672	570	1,103	4.0	3.9	4.1
19	Vinh Phuc	238	27	211	1,092	114	978	4.6	4.2	4.6
3	Ha Tay	547	46	502	2,378	185	2,194	4.3	4.0	4.4
21	Bac Ninh	217	21	196	942	87	855	4.3	4.1	4.4
4	Hai Duong	412	58	354	1,651	226	1,425	4.0	3.9	4.0
5	Hung Yen	268	25	243	1,069	100	969	4.0	4.0	4.0
6	Ha Nam	199	12	188	793	47	746	4.0	4.0	4.0
7	Nam Dinh	481	60	421	1,890	232	1,658	3.9	3.9	3.9
8	Thai Binh	474	27	446	1,786	100	1,686	3.8	3.6	3.8
9	Ninh Binh	215	29	185	884	112	772	4.1	3.9	4.2
II.	Northeast	1,921	405	1,516	10,861	1,780	9,081	5.7	4.4	6.0
10	Ha Giang	115	16	99	603	64	539	5.2	4.0	5.4
11	Cao Bang	101	18	84	490	66	424	4.9	3.8	5.1
12	Lao Cai	115	26	89	594	100	494	5.2	3.8	5.6
13	Bac Kan	57	10	47	275	39	236	4.8	3.9	5.0
14	Lang Son	143	31	112	704	129	574	4.9	4.1	5.1
15	Tuyen Quang	144	17	128	676	62	615	4.7	3.7	4.8
16	Yen Bai	144	34	109	679	132	547	4.7	3.8	5.0
17	Thai Nguyen	238	59	179	1,046	228	818	4.4	3.9	4.6
18	Phu Tho	291	46	244	1,262	177	1,084	4.3	3.8	4.4
20	Bac Giang	337	31	306	1,493	121	1,371	4.4	3.9	4.5
22	Quang Ninh	236	116	120	1,005	460	545	4.3	4.0	4.6
III.	Northwest	426	69	356	2,226	270	1,956	5.2	3.9	5.5
23	Lai Chau	103	18	85	588	71	517	5.7	3.9	6.1
24	Son La	163	25	137	882	98	784	5.4	3.9	5.7
25	Hoa Binh	161	26	134	757	101	655	4.7	3.9	4.9
IV.	North Central	2,185	293	1,892	10,008	1,261	8,746	4.6	4.3	4.6
26	Thanh Hoa	773	78	695	3,467	315	3,153	4.5	4.0	4.5
27	Nghe An	615	71	544	2,859	288	2,570	4.6	4.1	4.7
28	Ha Tinh	299	30	268	1,269	119	1,150	4.3	3.9	4.3
29	Quang Binh	172	24	149	795	99	695	4.6	4.2	4.7
30	Quang Tri	122	30	92	573	134	439	4.7	4.5	4.8
31	Thua Thien - Hue	203	60	144	1,045	306	739	5.1	5.1	5.1
V.	Central Coast	1,417	377	1,039	6,528	1,755	4,773	4.6	4.6	4.6
32	Da Nang	145	113	32	685	544	141	4.7	4.8	4.4
33	Quang Nam	312	46	266	1,374	203	1,170	4.4	4.4	4.4
34	Quang Ngai	265	32	233	1,190	136	1,054	4.5	4.3	4.5
35	Binh Dinh	316	76	241	1,461	348	1,112	4.6	4.6	4.6
36	Phu Yen	169	32	137	787	147	640	4.7	4.6	4.7
37	Khanh Hoa	209	78	130	1,031	376	655	4.9	4.8	5.0
VI.	Central Highlands	608	149	459	3,062	718	2,344	5.0	4.8	5.1
38	Kon Tum	64	22	42	314	100	214	4.9	4.6	5.1
39	Gia Lai	192	50	141	967	244	723	5.0	4.8	5.1
40	Dak Lak	353	77	276	1,781	374	1,406	5.1	4.9	5.1
VII.	Southeast	2,621	1,310	1,311	12,708	6,415	6,293	4.8	4.9	4.8
41	Ho Chi Minh	1,017	836	181	5,034	4,208	826	5.0	5.0	4.6
42	Lam Dong	211	85	125	998	385	613	4.7	4.5	4.9
43	Ninh Thuan	96	24	72	505	119	386	5.3	4.9	5.4
44	Binh Phuoc	142	22	119	654	101	553	4.6	4.5	4.6
45	Tay Ninh	212	30	183	967	132	835	4.6	4.4	4.6
46	Binh Duong	162	49	112	717	217	500	4.4	4.4	4.4
47	Dong Nai	409	127	282	1,991	603	1,388	4.9	4.7	4.9
48	Binh Thuan	207	63	143	1,046	318	728	5.1	5.0	5.1
49	Ba Ria - Vung Tau	165	71	93	796	333	463	4.8	4.7	5.0
VIII.	Cuu Long River Delta	3,378	596	2,782	16,131	2,782	13,349	4.8	4.7	4.8
50	Long An	286	49	236	1,306	212	1,094	4.6	4.3	4.6
51	Dong Thap	331	50	281	1,567	225	1,342	4.7	4.5	4.8
52	An Giang	421	92	329	2,044	441	1,603	4.9	4.8	4.9
53	Tien Giang	354	47	307	1,604	209	1,395	4.5	4.5	4.5
54	Vinh Long	217	32	185	1,011	144	867	4.7	4.4	4.7
55	Ben Tre	301	26	275	1,299	108	1,191	4.3	4.2	4.3
56	Kien Giang	298	67	231	1,498	329	1,168	5.0	4.9	5.1
57	Can Tho	367	83	284	1,809	393	1,417	4.9	4.7	5.0
58	Tra Vinh	205	27	178	967	124	843	4.7	4.6	4.7
59	Soc Trang	235	43	192	1,172	209	963	5.0	4.9	5.0
60	Bac Lieu	145	36	108	735	180	555	5.1	4.9	5.1
61	Ca Mau	219	43	177	1,119	208	911	5.1	4.9	5.2
TOTAL		16,661	4,026	12,635	76,323	18,077	58,246	4.6	4.5	4.6

Source: Population and Housing Census, Vietnam 1999, Completed Census Results, CSO

Table E.5 Number and Density of Households

No.	Province	Area (km ²)	Number of house- hold (1,000)	Density of house- hold	No.	Province	Area (km ²)	Number of house- hold (1,000)	Density of house- hold		
I.	Red River Delta	14,789	4,107	278	VII.	Southeast	44,498	2,621	59		
1	Ha Noi	921	642	697	41	Ho Chi Minh	2,095	1,017	485		
2	Hai Phong	1,519	414	272	42	Lam Dong	9,765	211	22		
19	Vinh Phuc	1,371	238	174	43	Ninh Thuan	3,360	96	29		
3	Ha Tay	2,192	547	250	44	Binh Phuoc	6,856	142	21		
21	Bac Ninh	804	217	270	45	Tay Ninh	4,028	212	53		
4	Hai Duong	1,648	412	250	46	Binh Duong	2,696	162	60		
5	Hung Yen	923	268	291	47	Dong Nai	5,895	409	69		
6	Ha Nam	850	199	235	48	Binh Thuan	7,828	207	26		
7	Nam Dinh	1,637	481	294	49	Ba Ria - Vung Tau	1,975	165	83		
8	Thai Binh	1,542	474	307	VIII.	Cuu Long River Delta	39,713	3,378	85		
9	Ninh Binh	1,382	215	155	50	Long An	4,492	286	64		
II.	Northeast	65,327	1,921	29	51	Dong Thap	3,238	331	102		
10	Ha Giang	7,884	115	15	52	An Giang	3,406	421	124		
11	Cao Bang	6,691	101	15	53	Tien Giang	2,367	354	150		
12	Lao Cai	8,057	115	14	54	Vinh Long	1,475	217	147		
13	Bac Kan	4,857	57	12	55	Ben Tre	2,315	301	130		
14	Lang Son	8,305	143	17	56	Kien Giang	6,269	298	47		
15	Tuyen Quang	5,868	144	25	57	Can Tho	2,986	367	123		
16	Yen Bai	6,883	144	21	58	Tra Vinh	2,226	205	92		
17	Thai Nguyen	3,541	238	67	59	Soc Trang	3,223	235	73		
18	Phu Tho	3,519	291	83	60	Bac Lieu	2,521	145	57		
20	Bac Giang	3,822	337	88	61	Ca Mau	5,195	219	42		
22	Quang Ninh	5,900	236	40	TOTAL				329,241	16,661	51
III.	Northwest	35,637	426	12	Source: - Population and Housing Census Vietnam 1999, Completed Census Results, CSO - Map of Vietnam, 1/2,200,000, Nha Xuat Ban Ban Do - Tong Cuc Dia Chinh						
23	Lai Chau	16,919	103	6							
24	Son La	14,055	163	12							
25	Hoa Binh	4,663	161	34							
IV.	North Central	51,501	2,185	42							
26	Thanh Hoa	11,106	773	70							
27	Nghe An	16,487	615	37							
28	Ha Tinh	6,056	299	49							
29	Quang Binh	8,052	172	21							
30	Quang Tri	4,746	122	26							
31	Thua Thien - Hue	5,054	203	40							
V.	Central Coast	33,066	1,417	43							
32	Da Nang	1,256	145	116							
33	Quang Nam	10,407	312	30							
34	Quang Ngai	5,135	265	52							
35	Binh Dinh	6,026	316	53							
36	Phu Yen	5,045	169	33							
37	Khanh Hoa	5,197	209	40							
VI.	Central Highlands	44,711	608	14							
38	Kon Tum	9,615	64	7							
39	Gia Lai	15,496	192	12							
40	Dak Lak	19,600	353	18							

Table E.6 Gross Domestic Product

Year	At Current Market Price				At 1994 Constant Price			
	GDP		GDP Per Capita		GDP		GDP Per Capita	
	Amount (Billion Dongs)	Growth Rate	Amount (Dongs)	Growth Rate	Amount (Billion Dongs)	Growth Rate	Amount (Dongs)	Growth Rate
1985	117		1,954		106,176		1,773,383	
1986	599	412.0%	9,802	401.6%	109,189	2.8%	1,786,791	0.8%
1987	2,870	379.1%	45,955	368.8%	113,154	3.6%	1,811,856	1.4%
1988	15,420	437.3%	241,970	426.5%	119,960	6.0%	1,882,405	3.9%
1989	28,093	82.2%	433,708	79.2%	125,571	4.7%	1,938,602	3.0%
1990	41,955	49.3%	635,521	46.5%	131,968	5.1%	1,999,009	3.1%
1991	76,707	82.8%	1,140,753	79.5%	139,634	5.8%	2,076,577	3.9%
1992	110,532	44.1%	1,614,782	41.6%	151,782	8.7%	2,217,411	6.8%
1993	140,258	26.9%	2,013,914	24.7%	164,043	8.1%	2,355,434	6.2%
1994	178,534	27.3%	2,520,794	25.2%	178,534	8.8%	2,520,794	7.0%
1995	228,892	28.2%	3,179,254	26.1%	195,567	9.5%	2,716,378	7.8%
1996	272,036	18.8%	3,718,538	17.0%	213,833	9.3%	2,922,945	7.6%
1997	313,623	15.3%	4,220,644	13.5%	231,264	8.2%	3,112,282	6.5%
1998	361,016	15.1%	4,784,438	13.4%	244,596	5.8%	3,241,558	4.2%
1999	399,942	10.8%	5,221,400	9.1%	256,272	4.8%	3,345,732	3.2%
2000*	444,139	11.1%	5,717,142	9.5%	273,582	6.8%	3,521,661	5.3%
Average Annual Growth Rate								
1989 - 1999 (last 10 years)	30.4%		28.3%		7.4%		5.6%	
1996 - 1999 (last 3 years)	13.7%		12.0%		6.2%		4.6%	

Source: - Atatistical Yearbook 2000, GSO

Note: *: The figures in the year 2000 is preliminary.

Table E.7 Gross Domestic Product by Industries, Distribution, and Growth Rates

		GDP at Current Market Price (Billion Dongs)						GDP at 1994 Constant Price (Billion Dongs)						
Year	Total	Agriculture, forestry		Industry and		Service		Total	Agriculture, forestry		Industry and		Service	
		Amount	Distr.	Amount	Distr.	Amount	Distr.		Amount	Distr.	Amount	Distr.	Amount	Distr.
1985	117	47	40.2%	32	27.4%	38	32.5%	106,176	36,832	34.7%	26,396	24.9%	42,948	40.4%
1986	599	228	38.1%	173	28.9%	198	33.1%	109,189	37,932	34.7%	29,284	26.8%	41,973	38.4%
1987	2,870	1,164	40.6%	814	28.4%	892	31.1%	113,154	37,499	33.1%	31,762	28.1%	43,893	38.8%
1988	15,420	7,139	46.3%	3,695	24.0%	4,586	29.7%	119,960	38,867	32.4%	33,349	27.8%	47,744	39.8%
1989	28,093	11,818	42.1%	6,444	22.9%	9,831	35.0%	125,571	41,589	33.1%	32,485	25.9%	51,497	41.0%
1990	41,955	16,252	38.7%	9,513	22.7%	16,190	38.6%	131,968	42,003	31.8%	33,221	25.2%	56,744	43.0%
1991	76,707	31,058	40.5%	18,252	23.8%	27,397	35.7%	139,634	42,917	30.7%	35,783	25.6%	60,934	43.6%
1992	110,532	37,513	33.9%	30,135	27.3%	42,884	38.8%	151,782	45,869	30.2%	40,359	26.6%	65,554	43.2%
1993	140,258	41,895	29.9%	40,535	28.9%	57,828	41.2%	164,043	47,373	28.9%	45,454	27.7%	71,216	43.4%
1994	178,534	48,968	27.4%	51,540	28.9%	78,026	43.7%	178,534	48,968	27.4%	51,540	28.9%	78,026	43.7%
1995	228,892	62,219	27.2%	65,820	28.8%	100,853	44.1%	195,567	51,319	26.2%	58,550	29.9%	85,698	43.8%
1996	272,036	75,514	27.8%	80,876	29.7%	115,646	42.5%	213,833	53,577	25.1%	67,016	31.3%	93,240	43.6%
1997	313,623	80,826	25.8%	100,595	32.1%	132,202	42.2%	231,264	55,895	24.2%	75,474	32.6%	99,895	43.2%
1998	361,016	93,072	25.8%	117,299	32.5%	150,645	41.7%	244,596	57,866	23.7%	81,764	33.4%	104,966	42.9%
1999	399,942	101,723	25.4%	137,959	34.5%	160,260	40.1%	256,272	60,895	23.8%	88,047	34.4%	107,330	41.9%
2000*	444,139	107,913	24.3%	162,595	36.6%	173,631	39.1%	273,582	63,353	23.2%	96,916	35.4%	113,313	41.4%
Average Annual Growth Rate														
1989 - 1999 (last 10 years)		30.4%	24.0%	35.8%		32.2%		7.4%		3.9%		10.5%		7.6%
1994 - 1999 (last 5 years)		17.5%	15.7%	21.8%		15.5%		7.5%		4.5%		11.3%		6.6%

Source: - Atatistical Yearbook 2000, GSO

Note: *: The figures in the year 2000 is preliminary.

Table E.8 Gross Domestic Product by Economic Activity (Billion Dongs, Current Price)

	1995		1996		1997		1998		1999		2000*		Average annual growth rate(95-99)
	Amount	Distr.	Amount	Distr.	Amount	Distr.	Amount	Distr.	Amount	Distr.	Amount	Distr.	
Agriculture, Forestry, and Fishery	62,219	27.2%	75,514	27.8%	80,826	25.8%	93,072	25.8%	101,723	25.4%	107,913	24.3%	13%
Agriculture	52,713	23.0%	65,743	24.2%	65,883	21.0%	76,170	21.1%	83,335	20.8%	88,409	19.9%	12%
Forestry	2,842	1.2%		0.0%	4,813	1.5%	5,304	1.5%	5,737	1.4%	5,966	1.3%	19%
Fishery	6,664	2.9%		3.6%	10,130	3.2%	11,598	3.2%	12,651	3.2%	13,538	3.0%	17%
Industry and Construction	65,820	28.8%	80,877	29.7%	100,594	32.1%	117,299	32.5%	137,959	34.5%	162,595	36.6%	20%
Mining and quarrying	11,009	4.8%	15,282	5.6%	19,768	6.3%	24,196	6.7%	33,703	8.4%	42,219	9.5%	32%
Manufacturing	34,318	15.0%	41,291	15.2%	51,700	16.5%	61,906	17.1%	70,767	17.7%	82,922	18.7%	20%
Electricity, gas, and water supply	4,701	2.1%	6,538	2.4%	8,604	2.7%	10,339	2.9%	11,725	2.9%	12,993	2.9%	26%
Construction	15,792	6.9%	17,766	6.5%	20,522	6.5%	20,858	5.8%	21,764	5.4%	24,461	5.5%	8%
Services	100,853	44.1%	115,646	42.5%	132,203	42.2%	150,645	41.7%	160,260	40.1%	173,631	39.1%	12%
Wholesale and retail trade, repair of motor vehicles, motor cycles and personal and household goods	37,491	16.4%	43,125	15.9%	48,914	15.6%	55,783	15.5%	59,384	14.8%	64,460	14.5%	12%
Hotels and restaurant	8,625	3.8%	9,776	3.6%	11,307	3.6%	12,404	3.4%	13,412	3.4%	14,343	3.2%	12%
Transport, storage, and communication	9,117	4.0%	10,390	3.8%	12,418	4.0%	14,076	3.9%	15,546	3.9%	17,601	4.0%	14%
Financial intermediation	4,604	2.0%	5,148	1.9%	5,444	1.7%	6,274	1.7%	7,488	1.9%	8,457	1.9%	13%
Scientific activities and technology	1,405	0.6%	1,629	0.6%	1,774	0.6%	2,026	0.6%	1,902	0.5%	2,416	0.5%	8%
Real estate, renting, and business activities	12,392	5.4%	13,507	5.0%	15,355	4.9%	17,683	4.9%	18,260	4.6%	19,173	4.3%	10%
Public administration and defence, compulsory social security	8,278	3.6%	9,417	3.5%	10,460	3.3%	11,849	3.3%	11,683	2.9%	12,195	2.7%	9%
Education and training	8,293	3.6%	9,887	3.6%	11,274	3.6%	13,202	3.7%	14,004	3.5%	14,841	3.3%	14%
Health and social work	3,642	1.6%	4,007	1.5%	4,381	1.4%	4,979	1.4%	5,401	1.4%	5,999	1.4%	10%
Recreational, cultural and sporting activities	1,259	0.6%	1,511	0.6%	1,844	0.6%	2,068	0.6%	2,378	0.6%	2,708	0.6%	17%
Activities of party and of membership organization	223	0.1%	281	0.1%	443	0.1%	577	0.2%	584	0.1%	632	0.1%	27%
Community, social, and personal service activities	4,979	2.2%	6,319	2.3%	7,855	2.5%	8,874	2.5%	9,323	2.3%	9,853	2.2%	17%
Private households with employed persons	545	0.2%	649	0.2%	734	0.2%	850	0.2%	895	0.2%	953	0.2%	13%
Total	228,892	100.0%	272,037	100.0%	313,623	100.0%	361,016	100.0%	399,942	100.0%	444,139	100.0%	15%

Source: Statistical Yearbooks 1998 and 2000

Note: *: The figures in the year 2000 is preliminary.

Table E.9 Planted Area of Major Crops

Crop	Year					
	1995	1996	1997	1998	1999	2000
1. Planted Area of Major Crops (1,000 ha)						
Paddy	6,766	7,004	7,100	7,363	7,654	7,655
- Spring paddy	2,421	2,541	2,683	2,783	2,889	3,012
- Autumn paddy	1,742	1,984	1,885	2,141	2,341	2,293
- Winter paddy	2,602	2,479	2,532	2,439	2,424	2,350
Maize	557	615	663	650	692	714
Sweet potatoes	305	303	267	254	270	258
Cassava	277	276	254	236	225	235
Cotton	18	15	15	24	21	19
Jute	8	8	12	7	4	6
Rush	10	9	11	10	11	9
Sugar cane	225	237	257	283	344	303
Peanut	260	263	254	269	248	244
Soybean	121	110	106	129	129	122
Tobacco	28	24	26	32	33	24
Tea	67	75	79	77	85	90
Coffee	186	254.2	340	371	408	517
Rubber	278	254.2	348	382	395	407
Pepper	7	8	10	13	18	25
Coconut	173	181	170	163	164	163
Total	9,285	9,635	9,911	10,262	10,699	10,789
2. Planted Area of Major Crops (%)						
Paddy	72.9	72.7	71.6	71.7	71.5	70.9
- Spring paddy	26.1	26.4	27.1	27.1	27.0	27.9
- Autumn paddy	18.8	20.6	19.0	20.9	21.9	21.2
- Winter paddy	28.0	25.7	25.5	23.8	22.7	21.8
Maize	6.0	6.4	6.7	6.3	6.5	6.6
Sweet potatoes	3.3	3.1	2.7	2.5	2.5	2.4
Cassava	3.0	2.9	2.6	2.3	2.1	2.2
Cotton	0.2	0.2	0.2	0.2	0.2	0.2
Jute	0.1	0.1	0.1	0.1	0.0	0.1
Rush	0.1	0.1	0.1	0.1	0.1	0.1
Sugar cane	2.4	2.5	2.6	2.8	3.2	2.8
Peanut	2.8	2.7	2.6	2.6	2.3	2.3
Soybean	1.3	1.1	1.1	1.3	1.2	1.1
Tobacco	0.3	0.2	0.3	0.3	0.3	0.2
Tea	0.7	0.8	0.8	0.8	0.8	0.8
Coffee	2.0	2.6	3.4	3.6	3.8	4.8
Rubber	3.0	2.6	3.5	3.7	3.7	3.8
Pepper	0.1	0.1	0.1	0.1	0.2	0.2
Coconut	1.9	1.9	1.7	1.6	1.5	1.5
Total	100.0	100.0	100.0	100.0	100.0	100.0

Source: - Statistical Yearbook 1998, GSO

- Statistical Yearbook 2000, GSO

Table E.10 Production of Major Crops

Crop	Year					
	1995	1996	1997	1998	1999	2000
1. Production of Major Crops (1,000 tons)						
Paddy	24,964	26,397	27,524	29,146	31,394	32,554
- Spring paddy	10,737	12,210	13,310	13,560	14,103	15,562
- Autumn paddy	6,501	6,879	6,638	7,523	8,758	8,612
- Winter paddy	7,726	7,309	7,576	8,063	8,533	8,380
Maize	1,177	1,537	1,651	1,612	1,753	1,930
Sweet potatoes	1,686	1,697	1,691	1,526	1,745	1,658
Cassava	2,212	2,067	2,403	1,773	1,801	2,036
Cotton	13	11	14	22	22	19
Jute	15	15	22	15	9	11
Rush	76	55	81	70	73	58
Sugar cane	10,711	11,430	11,921	13,844	17,760	15,246
Peanut	335	358	351	386	318	353
Soybean	126	114	113	147	147	142
Tobacco	28	24	27	33	36	27
Tea	40	47	52	57	70	77
Coffee	218	316.9	421	409	510	698
Rubber	125	142.5	187	194	249	292
Pepper	9	11	13	16	31	37
Coconut	1,165	1,318	1,318	1,106	1,104	968
2. Production Increase of Major Crops (year on year, %)						
Paddy		6%	4%	6%	8%	4%
- Spring paddy		14%	9%	2%	4%	10%
- Autumn paddy		6%	-3%	13%	16%	-2%
- Winter paddy		-5%	4%	6%	6%	-2%
Maize		31%	7%	-2%	9%	10%
Sweet potatoes		1%	0%	-10%	14%	-5%
Cassava		-7%	16%	-26%	2%	13%
Cotton		-13%	25%	57%	1%	-14%
Jute		1%	49%	-35%	-36%	17%
Rush		-27%	47%	-14%	4%	-20%
Sugar cane		7%	4%	16%	28%	-14%
Peanut		7%	-2%	10%	-18%	11%
Soybean		-9%	-1%	30%	0%	-4%
Tobacco		-15%	16%	22%	7%	-24%
Tea		16%	12%	8%	24%	9%
Coffee		45%	33%	-3%	25%	37%
Rubber		14%	31%	4%	29%	17%
Pepper		13%	24%	22%	95%	19%
Coconut		13%	0%	-16%	0%	-12%

Source: - Statistical Yearbook 1998, GSO - Statistical Yearbook 2000, GSO

Table E.11 Yield of Major Crops

Crop	Year					
	1995	1996	1997	1998	1999	2000
1. Yield of Major Crops (Quintal/ha)						
Paddy						
- Spring paddy	44.3	48.0	49.6	48.7	48.8	51.7
- Autumn paddy	37.3	34.7	35.2	35.1	37.4	37.6
- Winter paddy	29.7	29.5	29.9	33.1	35.2	35.7
Maize	21.1	25.0	24.9	24.8	25.3	27.0
Sweet potatoes	55.3	56.1	63.3	60.2	64.6	64.3
Cassava	79.7	75.0	94.5	75.3	79.9	86.7
Cotton	7.3	7.5	9.2	9.2	10.5	10.1
Jute	19.7	18.8	19.2	21.8	22.9	19.3
Rush	72.7	60.4	72.9	71.3	66.5	67.2
Sugar cane	476.5	479.8	463.8	489.2	516.0	503.3
Peanut	12.9	13.6	13.9	14.3	12.8	14.5
Soybean	10.4	10.3	10.6	11.3	11.4	11.6
Tobacco	9.9	9.8	10.3	10.3	11.0	11.1
2. Yield Increase of Major Crops (year on year, %)						
Paddy						
- Spring paddy		8%	3%	-2%	0%	6%
- Autumn paddy		-7%	1%	0%	7%	1%
- Winter paddy		-1%	1%	11%	6%	1%
Maize		18%	0%	0%	2%	7%
Sweet potatoes		1%	13%	-5%	7%	0%
Cassava		-6%	26%	-20%	6%	9%
Cotton		3%	23%	0%	14%	-4%
Jute		-5%	2%	14%	5%	-16%
Rush		-17%	21%	-2%	-7%	1%
Sugar cane		1%	-3%	5%	5%	-2%
Peanut		5%	2%	3%	-10%	13%
Soybean		-1%	3%	7%	1%	2%
Tobacco		-1%	5%	0%	7%	1%

Source: - Statistical Yearbook 1998, GSO - Statistical Yearbook 2000, GSO

Table E.12 Gross Output of Agriculture

Year	Gross Output of Agriculture at Current Price (Billion VND)				Gross Output of Agriculture at 1994 Constant Price (Billion VND)			
	Total	Cultivation	Animal husbandary	Service	Total	Cultivation	Animal husbandary	Service
1985	50.7	41.2	8.3	1.2	51,541.1	41,951.3	8,079.3	1,510.5
1986	235.2	190.0	39.5	5.7	54,175.0	43,470.5	9,059.8	1,644.7
1987	1,232.5	999.1	203.4	30.0	54,337.0	42,570.6	10,087.1	1,679.3
1988	7,751.6	6,201.3	1,360.3	190.0	56,603.6	45,406.3	9,391.8	1,805.5
1989	13,382.5	10,705.6	2,341.8	335.1	60,826.1	48,899.8	10,040.8	1,885.5
1990	20,666.5	16,393.5	3,701.0	572.0	61,817.5	49,604.0	10,283.2	1,930.3
1991	41,892.6	33,345.0	7,500.3	1,047.3	63,512.1	51,247.5	10,294.5	1,970.1
1992	49,061.1	37,539.9	10,152.4	1,368.8	68,820.3	55,132.6	11,651.0	2,036.7
1993	53,929.2	40,818.2	11,553.2	1,557.8	73,380.5	58,906.2	12,309.1	2,165.2
1994	64,876.8	49,920.7	13,112.9	1,843.2	76,998.3	61,660.0	12,999.0	2,339.3
1995	85,507.6	66,793.8	16,168.2	2,545.6	82,307.1	66,183.4	13,629.2	2,494.5
1996	92,006.2	71,589.4	17,791.8	2,625.0	86,489.3	69,620.2	14,347.2	2,521.9
1997	98,852.3	76,858.3	19,287.0	2,707.0	92,530.2	74,492.5	15,465.4	2,572.3
1998	113,269.2	90,077.9	20,365.2	2,826.1	96,102.7	77,298.2	16,204.2	2,600.3
1999	121,731.5	96,644.6	22,177.7	2,909.2	102,932.9	82,945.6	17,337.0	2,650.3
Distribution (%)					Average annual growth rate during 4 years from 1995 to 1999			
1985	100	81	16	3	5.7%	5.8%	6.2%	1.5%
1986	100	81	17	2	Average annual growth rate during 10 years from 1989 to 1999			
1987	100	81	17	2	5.4%	5.4%	5.6%	3.5%
1988	100	80	18	2	Average annual growth rate during 14 years from 1985 to 1999			
1989	100	80	17	3	5.1%	5.0%	5.6%	4.1%
1990	100	79	18	3				
1991	100	80	18	2				
1992	100	77	21	2				
1993	100	76	21	3				
1994	100	77	20	3				
1995	100	78	19	3				
1996	100	78	19	3				
1997	100	78	20	2				
1998	100	80	18	2				
1999	100	79	18	3				

Source: Statistical Data of Vietnam Agriculture, Forestry and Fishery 1975 - 2000, GSO

Table E.13 Major Import and Export Commodities

Item	1996		1997		1998		1999		2000	
	Qty	Value	Qty	Value	Qty	Value	Qty	Value	Qty	Value
	(1,000 tons)	(MillionUS\$)	(1,000 tons)	(MillionUS\$)	(1,000 tons)	(MillionUS\$)	(1,000 tons)	(MillionUS\$)	(1,000 tons)	(MillionUS\$)
Export										
Rubber	195	263	194	191	191	128	265	147	273	166
Coffee	283	337	392	498	382	594	483	585	733	510
Tea	21	29	33	48	33	51	36	45	55	69
Rice	3,003	855	3,575	871	3,749	1,024	4,508	1,025	3,476	668
Cashew nut	23	104	33	133	26	117	18	110	34	167
Pepper	25	47	25	68	15	64	35	137	37	145
Peanut	127	71	86	47	87	42	56	33	76	41
Coal	3,647	114	3,454	111	3,162	102	3,260	96	3,251	94
Petroleum, crude	8,705	1,346	9,638	1,423	12,144	1,232	14,882	2,092	15,423	3,502
Vegetable, fruits		61		71		53		105		213
Marine products		697		782		858		971		1,478
Textile, clothing		1,150		1,503		1,450		1,747		1,892
Shoes & sandals		530		978		1,032		1,392		1,464
Handicrafts, fine art		21		43		111		168		236
Electronic goods & Computer parts		89		440		502		585		782
Other		1,542		1,979		2,001		2,302		3,028
Total export		7,255		9,185		9,361		11,540		14,455
Import										
Automobile	19,169	155	13,975	136	17,202	130	10,723	89	15,740	134
Automobile parts	8,697	66	4,812	52	3,874	40	4,524	39	10,958	97
Motorcycle parts	472	434	247	233	384	351	509	399	1,807	787
Steel	1,548	530	1,400	510	1,750	530	1,327	419	2,837	812
Fertilizers	1,467	354	1,480	258	1,950	241	1,890	189	3,973	508
Petroleum and fuel	5,899	1,104	5,958	1,123	6,830	827	7,403	1,054	8,777	2,057
Paper	109	76	147	104	162	97	195	102	241	142
Plastic material	312	265	364	333	513	316	578	346	648	480
Seasoning	24	32	21	30	12	16	8	7	11	9
Electronic parts		185		466		135		518		748
Medicine		206		340		312		267		308
Chemical material		227		216		235		258		307
Other		7,510		7,792		8,297		7,935		9,251
Total import		11,143		11,592		11,527		11,622		15,639
Trade Balance		-3,888		-2,407		-2,166		-82		-1,184

Source: Ministry of Trade

Table E.14 Growth of Industrial Gross Output
(On 1994 Constant Price Basis)

Crop	Industrial Gross Output at 1994 constant price						Annual Growth Rate (%)					
	1995	1996	1997	1998	1999	2000	95-96	96-97	97-98	98-99	99-00	Ave.
1. Mining and quarrying	13,920	15,968	18,314	21,118	24,580	26,488	15	15	15	16	8	14
Coal	1,677	1,930	2,229	2,138	2,048	2,243	15	16	-4	-4	10	6
Crude petroleum and natural gas	10,845	12,467	14,239	16,869	20,582	21,920	15	14	18	22	7	15
Ore	236	283	172	200	191	222	20	-39	16	-4	16	-1
Stone and other mining	1,162	1,288	1,674	1,911	1,759	2,103	11	30	14	-8	20	13
2. Manufacturing	83,261	94,788	107,662	120,666	133,702	157,173	14	14	12	11	18	14
Food and beverage	27,008	30,887	34,015	36,496	37,744	39,410	14	10	7	3	4	8
Tobacco	3,977	4,196	4,400	4,895	4,796	5,614	6	5	11	-2	17	7
Textile products	6,176	6,374	7,261	8,366	8,388	9,395	3	14	15	0	12	9
Garments	2,950	3,400	4,325	4,667	5,218	5,974	15	27	8	12	14	15
Leather tanning and processing	3,570	4,469	6,614	7,083	7,725	8,934	25	48	7	9	16	20
Wood and wood products	3,324	3,199	3,146	2,956	3,180	3,682	-4	-2	-6	8	16	2
Paper and paper products	1,947	2,294	2,644	3,178	3,470	4,095	18	15	20	9	18	16
Publishing, printing, media recording	1,510	1,515	1,621	1,868	2,012	2,181	0	7	15	8	8	8
Coke and refined petroleum products	343	209	84	108	101	106	-39	-60	29	-7	6	-21
Chemical and chemical products	5,086	6,283	7,223	8,144	9,682	11,890	24	15	13	19	23	19
Rubber and plastic products	2,272	2,790	3,528	4,418	5,427	6,827	23	26	25	23	26	25
Non-metallic mineral products	9,200	10,121	12,223	13,745	14,785	17,372	10	21	12	8	18	14
Basic metal	3,428	4,086	4,000	4,080	5,000	5,770	19	-2	2	23	15	11
Fabricated metal products	2,332	2,941	3,559	4,210	5,036	6,143	26	21	18	20	22	21
Machinery and equipment	1,345	1,560	1,674	2,050	2,163	2,406	16	7	22	6	11	12
Office, accounting, and computing machinery	28	40	38	228	1,703	5,108	42	-5	505	647	200	183
Electrical machinery and apparatus	1,088	1,342	1,650	2,308	2,944	3,680	23	23	40	28	25	28
Radio and communication equipment	2,065	3,079	3,278	3,478	3,993	4,616	49	6	6	15	16	17
Medical, precision, and optical instruments	203	262	239	368	396	443	29	-9	54	7	12	17
Assembling & repairing motor vehicle	1,460	1,375	1,629	1,668	1,846	2,134	-6	18	2	11	16	8
Production & repairing other transport equipment	1,893	1,982	1,815	3,379	4,574	7,090	5	-8	86	35	55	30
Furniture	1,970	2,265	2,564	2,815	3,395	4,169	15	13	10	21	23	16
Reproduced goods	89	123	133	161	127	136	38	9	21	-21	7	9
3. Electricity, gas, and water supply	6,195	7,341	8,444	9,440	10,467	11,661	19	15	12	11	11	13
Production and distribution of electricity, gas, fuel	5,444	6,538	7,597	8,520	9,496	10,635	20	16	12	11	12	14
Purification and distribution of water	751	804	847	920	971	1,026	7	5	9	5	6	6
TOTAL	103,375	118,097	134,420	151,223	168,749	195,321	14	14	13	12	16	14

Source: - Statistical Yearbook 1998, GSO
- Statistical Yearbook 2000, GSO

Table E.15 Labor Force Population by Sex, Urban and Rural
(As of April 1, 1999)

		Unit: 1,000 persons				
		Total	Male	Female	Urban	Rural
1.	Population aged 13 and over	54,729	26,386	28,343	13,881	40,847
2.	Economically non-active	16,508	6,461	10,047	5,285	11,224
2-1	Household work	4,219	235	3,984	1,582	2,638
2-2	Student	7,202	3,981	3,220	2,258	4,944
2-3	Invalid	3,216	1,350	1,865	746	2,469
2-4	No demand for work	1,872	895	977	699	1,173
3.	Economically active	38,211	19,920	18,291	8,594	29,617
3-1	Worked	36,420	18,889	17,531	7,792	28,628
3-3	Unemployed (have demand for work)	1,791	1,031	760	801	989
4.	Not stated	10	5	5	3	7
5.	Total	54,729	26,386	28,343	13,881	40,847
6.	Unemployment ratio	4.7%	5.2%	4.2%	9.3%	3.3%
Distribution:						
1.	Population aged 13 and over	100.0%	100.0%	100.0%	100.0%	100.0%
2.	Economically non-active	30.2%	24.5%	35.4%	38.1%	27.5%
2-1	Household work	7.7%	0.9%	14.1%	11.4%	6.5%
2-2	Student	13.2%	15.1%	11.4%	16.3%	12.1%
2-3	Invalid	5.9%	5.1%	6.6%	5.4%	6.0%
2-4	No demand for work	3.4%	3.4%	3.4%	5.0%	2.9%
3.	Economically active	69.8%	75.5%	64.5%	61.9%	72.5%
3-1	Worked	66.5%	71.6%	61.9%	56.1%	70.1%
3-3	Unemployed (have demand for work)	3.3%	3.9%	2.7%	5.8%	2.4%
4.	Not stated	0.0%	0.0%	0.0%	0.0%	0.0%
5.	Total	100.0%	100.0%	100.0%	100.0%	100.0%

Source: Population and Housing Census Vietnam 1999, Completed Census Results

Table E.16 Labor Force Population by Province

No.	Province	Population in working age (1,000 pers.)	Economically non-active (1,000 persons)					Economically active (1,000 persons)			Not stated (1,000 pers.)	Unemploy- ment ratio (%)
			Total	Household work	Student	Invalid	No demand for work	Total	Worked	Unemployed		
I.	Red River Delta	9,847.3	1,821.8	312.8	1,184.9	166.0	158.1	8,025.0	7,679.0	345.9	0.5	4.3%
1	Ha Noi	1,746.7	533.4	117.0	336.6	23.0	56.7	1,213.2	1,107.3	105.9	0.2	8.7%
2	Hai Phong	995.9	183.6	50.4	101.7	16.2	15.3	812.3	750.3	62.0	0.0	7.6%
19	Vinh Phuc	613.1	93.9	9.5	69.1	9.4	5.9	519.1	500.9	18.2	0.1	3.5%
3	Ha Tay	1,367.3	229.3	15.1	169.8	17.5	26.9	1,138.0	1,117.6	20.3	-	1.8%
21	Bac Ninh	531.3	77.6	9.6	54.3	5.1	8.6	453.6	443.2	10.4	0.2	2.3%
4	Hai Duong	944.4	142.5	19.6	95.8	16.3	10.7	802.0	774.7	27.3	0.0	3.4%
5	Hung Yen	598.0	87.5	9.9	61.3	12.5	3.7	510.5	500.3	10.2	-	2.0%
6	Ha Nam	443.0	66.0	7.9	41.4	12.6	4.0	377.0	365.4	11.5	0.1	3.1%
7	Nam Dinh	1,073.4	175.8	38.8	103.2	24.5	9.3	897.6	867.2	30.4	0.0	3.4%
8	Thai Binh	1,044.9	148.5	22.8	93.3	20.7	11.6	896.4	860.4	36.0	0.0	4.0%
9	Ninh Binh	489.3	83.8	12.1	58.3	8.1	5.3	405.5	391.9	13.6	0.0	3.4%
II.	Northeast	4,964.0	732.7	132.1	485.2	59.8	55.5	4,230.4	4,112.4	118.0	1.0	2.8%
10	Ha Giang	313.9	38.5	4.6	28.6	4.2	1.1	275.3	273.4	1.9	0.1	0.7%
11	Cao Bang	261.9	34.3	3.4	26.6	3.3	0.9	227.7	224.3	3.3	0.0	1.5%
12	Lao Cai	307.8	35.8	5.5	24.8	3.6	1.7	271.9	267.9	4.0	0.1	1.5%
13	Bac Kan	152.9	19.1	2.7	14.0	1.8	0.7	133.8	131.8	2.0	0.0	1.5%
14	Lang Son	389.4	56.2	11.4	37.3	4.2	3.2	333.2	325.4	7.8	0.0	2.3%
15	Tuyen Quang	377.3	56.0	8.3	39.9	3.5	4.3	321.2	316.4	4.8	0.1	1.5%
16	Yen Bai	372.1	51.0	11.5	32.2	2.7	4.6	321.0	313.6	7.4	0.0	2.3%
17	Thai Nguyen	628.5	110.6	14.9	78.5	7.7	9.4	517.8	498.4	19.4	0.1	3.7%
18	Phu Tho	714.8	107.2	15.1	71.2	13.2	7.8	607.4	585.6	21.8	0.2	3.6%
20	Bac Giang	844.2	97.7	12.5	69.1	9.5	6.6	746.2	733.8	12.3	0.3	1.7%
22	Quang Ninh	601.2	126.2	42.2	63.0	6.1	15.0	474.8	441.7	33.2	0.2	7.0%
III.	Northwest	1,188.2	150.8	23.0	111.2	9.8	6.8	1,037.2	1,020.1	17.1	0.2	1.6%
23	Lai Chau	295.6	31.4	5.7	21.8	1.7	2.2	264.1	260.6	3.6	0.0	1.4%
24	Son La	457.5	56.4	7.4	43.5	2.9	2.7	401.0	396.1	4.9	0.1	1.2%
25	Hoa Binh	435.1	63.0	9.9	46.0	5.2	2.0	372.0	363.4	8.6	0.1	2.3%
IV.	North Central Coast	5,292.1	949.9	174.4	638.8	107.1	29.7	4,341.6	4,184.7	156.9	0.6	3.6%
26	Thanh Hoa	1,875.0	299.0	46.6	208.3	37.9	6.2	1,575.9	1,521.3	54.7	-	3.5%
27	Nghe An	1,503.4	276.5	36.3	199.6	29.6	11.0	1,226.9	1,186.8	40.1	0.0	3.3%
28	Ha Tinh	645.6	115.1	14.3	84.3	13.8	2.7	530.2	516.8	13.4	0.2	2.5%
29	Quang Binh	412.6	74.1	17.2	45.0	8.7	3.3	338.4	324.9	13.5	0.1	4.0%
30	Quang Tri	296.4	57.5	16.0	32.7	5.8	3.0	238.9	226.5	12.4	0.0	5.2%
31	Thua Thien - Hue	559.1	127.7	44.0	68.8	11.3	3.5	431.2	408.5	22.8	0.2	5.3%
V.	South Central Coast	3,622.1	685.8	226.6	370.7	61.1	27.3	2,936.0	2,779.2	156.8	0.4	5.3%
32	Da Nang	414.5	115.3	34.7	65.7	9.4	5.5	299.1	270.2	28.9	0.1	9.7%
33	Quang Nam	738.3	115.9	23.7	75.1	13.0	4.1	622.3	601.2	21.1	0.1	3.4%
34	Quang Ngai	639.5	109.2	26.6	69.2	11.7	1.8	530.3	515.2	15.1	0.0	2.8%
35	Binh Dinh	801.9	130.0	38.7	73.0	14.1	4.2	671.9	640.9	31.0	-	4.6%
36	Phu Yen	432.8	74.2	29.7	35.9	6.2	2.4	358.6	337.4	21.1	0.1	5.9%
37	Khanh Hoa	595.1	141.3	73.3	51.8	6.8	9.3	453.8	414.3	39.6	-	8.7%
VI.	Central Highlands	1,607.7	245.6	73.9	144.5	17.0	10.2	1,362.1	1,338.8	23.3	0.0	1.7%
38	Kon Tum	163.2	22.2	2.4	16.8	2.7	0.3	141.0	139.0	2.0	0.0	1.4%
39	Gia Lai	510.8	67.2	15.6	44.7	3.1	3.8	443.7	435.2	8.5	-	1.9%
40	Dak Lak	933.6	156.2	55.9	83.0	11.3	6.1	777.4	764.6	12.8	-	1.6%
VII.	Southeast	7,792.4	1,980.9	966.0	783.1	124.9	106.8	5,810.0	5,370.5	439.5	1.4	7.6%
41	Ho Chi Minh	3,379.9	997.3	465.2	408.9	54.2	68.9	2,381.6	2,123.6	258.0	1.0	10.8%
42	Lam Dong	560.3	92.9	28.3	53.8	8.8	2.0	467.4	459.1	8.3	0.0	1.8%
43	Ninh Thuan	267.4	57.5	32.6	18.4	3.9	2.6	209.9	197.7	12.2	-	5.8%
44	Binh Phuoc	368.7	64.6	33.3	24.4	4.5	2.5	304.1	293.5	10.6	-	3.5%
45	Tay Ninh	569.7	132.2	83.9	34.9	9.6	3.8	437.5	418.0	19.5	0.0	4.5%
46	Binh Duong	449.7	97.9	44.5	43.1	5.1	5.3	351.7	330.6	21.1	0.0	6.0%
47	Dong Nai	1,166.2	285.2	136.1	117.5	20.4	11.2	880.7	829.6	51.1	0.4	5.8%
48	Binh Thuan	563.4	121.3	66.7	39.6	10.5	4.5	442.1	409.3	32.8	-	7.4%
49	Ba Ria - Vung Tau	467.0	131.9	75.4	42.7	7.9	6.0	335.0	309.1	25.9	0.0	7.7%
VIII.	Cuu Long River Delta	9,596.1	2,020.3	1,206.9	648.4	94.9	70.1	7,575.6	7,223.3	352.3	0.3	4.6%
50	Long An	781.9	132.2	65.0	50.7	11.8	4.7	649.7	622.0	27.7	0.0	4.3%
51	Dong Thap	929.4	174.0	109.3	51.0	9.5	4.2	755.4	721.0	34.4	0.0	4.6%
52	An Giang	1,211.3	273.7	188.1	63.5	12.2	9.8	937.6	893.6	43.9	0.1	4.7%
53	Tien Giang	971.9	153.1	75.9	62.3	7.5	7.5	818.8	788.8	30.0	0.0	3.7%
54	Vinh Long	621.3	114.6	51.9	54.2	5.1	3.4	506.8	490.0	16.8	0.0	3.3%
55	Ben Tre	785.2	163.9	95.5	52.9	9.2	6.3	621.3	590.7	30.6	0.0	4.9%
56	Kien Giang	854.1	188.1	121.2	53.4	8.5	4.9	665.9	639.6	26.3	0.0	3.9%
57	Can Tho	1,102.9	259.5	153.7	87.1	9.7	9.0	843.4	783.2	60.1	0.0	7.1%
58	Tra Vinh	571.3	116.9	60.8	46.2	6.8	3.1	454.4	438.1	16.3	0.0	3.6%
59	Soc Trang	688.3	136.3	80.3	46.1	3.3	6.6	552.0	533.9	18.1	0.0	3.3%
60	Bac Lieu	434.9	139.1	91.3	36.2	5.3	6.3	295.8	284.0	11.8	0.0	4.0%
61	Ca Mau	643.8	169.2	114.1	44.8	6.2	4.1	474.6	438.3	36.3	0.0	7.6%
TOTAL		43,909.9	8,587.9	3,115.8	4,366.8	640.7	464.5	35,317.7	33,708.0	1,609.7	4.3	4.6%

Source: - Population and Housing Census Vietnam 1999, Completed Census Results, GSO

Note: Population in working age means people from 15 to 60 years old for male and from 15 to 55 years old for female.

Table E.17 Average Population and Annual Growth Rate of Provinces in River Basins

River Basin/ Province		Population (1,000 persons)										Average Annual Growth Rate		Pop. dens. 2000	
		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	1990-2000 (last 10 years)		1995-2000 (last 5 years)
I.	Bang Giang & Ky Cung Rivers	1,118	1,129	1,139	1,149	1,159	1,168	1,179	1,185	1,191	1,198	1,208	0.8%	0.7%	81
11	Cao Bang	489	489	489	489	489	489	489	490	491	492	497	0.2%	0.3%	74
14	Lang Son	629	640	650	660	670	679	689	695	700	706	711	1.2%	0.9%	86
II.	Red & Thai Binh Rivers	23,448	23,864	24,273	24,678	25,061	25,433	25,791	26,131	26,453	26,765	27,050	1.4%	1.2%	268
(1)	Red River Delta	15,001	15,243	15,486	15,721	15,936	16,137	16,332	16,520	16,702	16,871	17,018	1.3%	1.1%	1,151
1	Ha Noi	2,119	2,181	2,244	2,307	2,370	2,431	2,493	2,556	2,622	2,685	2,736	2.6%	2.4%	2,971
2	Hai Phong	1,508	1,530	1,551	1,571	1,591	1,608	1,625	1,642	1,660	1,677	1,691	1.1%	1.0%	1,113
19	Vinh Phuc	972	987	1,002	1,017	1,032	1,048	1,062	1,076	1,086	1,094	1,103	1.3%	1.0%	805
3	Ha Tay	2,117	2,156	2,195	2,241	2,271	2,299	2,328	2,353	2,374	2,392	2,411	1.3%	1.0%	1,100
21	Bac Ninh	832	850	870	887	905	916	925	932	938	943	949	1.3%	0.7%	1,180
4	Hai Duong	1,558	1,569	1,579	1,589	1,599	1,609	1,620	1,631	1,641	1,651	1,658	0.6%	0.6%	1,006
5	Hung Yen	975	988	1,000	1,012	1,023	1,033	1,043	1,052	1,062	1,071	1,082	1.0%	0.9%	1,172
6	Ha Nam	722	731	740	748	756	764	772	779	787	793	798	1.0%	0.9%	938
7	Nam Dinh	1,716	1,739	1,761	1,783	1,804	1,821	1,838	1,856	1,874	1,892	1,905	1.1%	0.9%	1,164
8	Thai Binh	1,690	1,704	1,718	1,731	1,743	1,752	1,761	1,770	1,779	1,788	1,797	0.6%	0.5%	1,165
9	Ninh Binh	792	808	827	835	844	856	866	874	881	885	888	1.2%	0.8%	643
(2)	Other areas in the basin	8,447	8,621	8,786	8,957	9,125	9,296	9,459	9,611	9,752	9,895	10,032	1.7%	1.5%	117
10	Ha Giang	488	500	510	523	537	550	564	578	590	606	618	2.4%	2.4%	78
12	Lao Cai	483	493	507	522	536	550	563	575	586	599	614	2.4%	2.2%	76
13	Bac Kan	226	232	238	243	249	254	260	265	271	276	281	2.2%	2.0%	58
15	Tuyen Quang	584	597	609	619	629	639	649	659	668	677	686	1.6%	1.4%	117
16	Yen Bai	601	611	621	630	640	648	656	665	673	682	692	1.4%	1.3%	100
17	Thai Nguyen	914	934	953	970	987	1,005	1,021	1,030	1,039	1,048	1,054	1.4%	1.0%	298
18	Phu Tho	1,130	1,151	1,167	1,183	1,198	1,212	1,225	1,238	1,251	1,264	1,274	1.2%	1.0%	362
20	Bac Giang	1,311	1,335	1,356	1,378	1,403	1,431	1,451	1,468	1,477	1,496	1,509	1.4%	1.1%	395
22	Quang Ninh	854	872	890	908	925	942	958	974	991	1,007	1,018	1.8%	1.6%	172
23	Lai Chau	465	479	493	507	521	536	550	563	577	594	613	2.8%	2.8%	36
24	Son La	712	735	756	777	794	812	833	855	877	887	907	2.4%	2.2%	65
25	Hoa Binh	678	683	687	697	707	719	730	742	752	760	768	1.3%	1.3%	165
III.	Ma River	3,118	3,165	3,211	3,254	3,298	3,338	3,376	3,414	3,449	3,475	3,501	1.2%	1.0%	315
26	Thanh Hoa	3,118	3,165	3,211	3,254	3,298	3,338	3,376	3,414	3,449	3,475	3,501	1.2%	1.0%	315
IV.	Ca River	3,732	3,782	3,830	3,875	3,919	3,963	4,006	4,050	4,094	4,136	4,171	1.1%	1.0%	185
27	Nghê An	2,526	2,566	2,605	2,641	2,678	2,715	2,753	2,791	2,829	2,865	2,892	1.4%	1.3%	175
28	Ha Tinh	1,206	1,216	1,225	1,234	1,242	1,248	1,253	1,259	1,264	1,271	1,279	0.6%	0.5%	211
V.	Thach Han River	483	493	504	515	526	535	545	555	565	575	581	1.9%	1.7%	122
30	Quang Tri	483	493	504	515	526	535	545	555	565	575	581	1.9%	1.7%	122
VI.	Huong River	931	945	959	974	987	999	1,011	1,023	1,036	1,049	1,064	1.4%	1.3%	211
31	Thua Thien - Hue	931	945	959	974	987	999	1,011	1,023	1,036	1,049	1,064	1.4%	1.3%	211
VII.	Vu Gia-Thu Bon Rivers	1,816	1,847	1,876	1,905	1,933	1,959	1,985	2,010	2,036	2,063	2,088	1.4%	1.3%	179
32	Da Nang	574	587	600	613	626	637	649	662	674	687	700	2.0%	1.9%	557
33	Quang Nam	1,243	1,260	1,276	1,293	1,307	1,322	1,335	1,348	1,362	1,376	1,389	1.1%	1.0%	133
VIII.	Tra Khuc River	1,084	1,098	1,112	1,125	1,138	1,149	1,160	1,170	1,181	1,192	1,199	1.0%	0.9%	234
34	Quang Ngai	1,084	1,098	1,112	1,125	1,138	1,149	1,160	1,170	1,181	1,192	1,199	1.0%	0.9%	234
IX.	Kone River	1,303	1,323	1,342	1,359	1,377	1,394	1,413	1,431	1,450	1,465	1,482	1.3%	1.2%	246
35	Binh Dinh	1,303	1,323	1,342	1,359	1,377	1,394	1,413	1,431	1,450	1,465	1,482	1.3%	1.2%	246
X.	Ba River	1,377	1,419	1,461	1,505	1,548	1,591	1,634	1,677	1,723	1,772	1,825	2.9%	2.8%	89
36	Phu Yen	674	687	701	714	728	740	752	764	777	791	804	1.8%	1.7%	159
39	Gia Lai	703	732	760	790	820	851	882	913	946	982	1,021	3.8%	3.7%	66
XI.	Dong Nai River	9,106	9,363	9,618	9,867	10,119	10,375	10,632	10,892	11,172	11,469	11,770	2.6%	2.6%	301
41	Ho Chi Minh	4,144	4,247	4,345	4,439	4,534	4,640	4,748	4,852	4,957	5,073	5,222	2.3%	2.4%	2,493
42	Lam Dong	692	723	755	788	822	856	891	928	966	1,005	1,038	4.1%	3.9%	106
44	Binh Phuoc	419	443	468	489	513	533	551	573	608	652	687	5.1%	5.2%	100
45	Tay Ninh	832	848	864	880	895	910	924	939	954	968	979	1.6%	1.5%	243
46	Binh Duong	543	561	580	600	620	639	659	679	700	721	738	3.1%	2.9%	274
47	Dong Nai	1,649	1,689	1,728	1,768	1,807	1,845	1,882	1,920	1,959	2,000	2,039	2.1%	2.0%	346
48	Binh Thuan	828	853	878	903	927	952	976	1,001	1,027	1,051	1,066	2.6%	2.3%	136
XII.	Se San River	237	245	253	262	271	280	288	297	307	317	327	3.3%	3.2%	34
38	Kon Tum	237	245	253	262	271	280	288	297	307	317	327	3.3%	3.2%	34
XIII.	Srepok River	1,050	1,100	1,155	1,216	1,295	1,398	1,502	1,605	1,703	1,793	1,863	5.9%	5.9%	95
40	Dak Lak	1,050	1,100	1,155	1,216	1,295	1,398	1,502	1,605	1,703	1,793	1,863	5.9%	5.9%	95
XIV.	Cuu Long River Delta	14,656	14,847	15,032	15,208	15,378	15,532	15,694	15,859	16,024	16,184	16,366	1.1%	1.1%	412
50	Long An	1,169	1,186	1,204	1,221	1,237	1,251	1,265	1,280	1,295	1,311	1,330	1.3%	1.2%	296
51	Dong Thap	1,396	1,418	1,439	1,460	1,479	1,489	1,510	1,533	1,557	1,568	1,581	1.2%	1.2%	488
52	An Giang	1,848	1,874	1,900	1,925	1,949	1,970	1,991	2,011	2,033	2,055	2,080	1.2%	1.1%	611
53	Tien Giang	1,533	1,545	1,556	1,566	1,575	1,582	1,587	1,594	1,600	1,608	1,621	0.6%	0.5%	685
54	Vinh Long	970	974	978	982	986	990	996	1,001	1,006	1,012	1,019	0.5%	0.6%	691
55	Ben Tre	1,247	1,257	1,266	1,271	1,277	1,282	1,287	1,291	1,295	1,299	1,307	0.5%	0.4%	565
56	Kien Giang	1,242	1,272	1,303	1,332	1,362	1,392	1,422	1,453	1,480	1,504	1,528	2.1%	1.9%	244
57	Can Tho	1,645	1,665	1,685	1,703	1,721	1,740	1,759	1,778	1,796	1,817	1,839	1.1%	1.1%	616
58	Tra Vinh	885	896	907	917	926	935	943	951	959	969	982	1.0%	1.0%	441
59	Soc Trang	1,107	1,117	1,126	1,135	1,143	1,150	1,156	1,162	1,169	1,178	1,194	0.8%	0.8%	370
60	Bac Lieu	679	685	691	697	703	710	716	724	732	738	745	0.9%	1.0%	296
61	Ca Mau	937	958	979	1,000	1,021	1,042	1,062	1,081	1,102	1,124	1,140	2.0%	1.8%	219

Source: - Statistical Yearbook 2000, GSO

Table E.18 Average Population, Urban, Rural, and Annual Growth Rate of Provinces in River Basins

No.	River Basin/ Province	Population (1,000 persons)									Average Annual Growth Rate (%)					
		1990			1995			2000			1990-2000 (last 10 years)			1995-2000 (last 5 years)		
		Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural
I.	Bang Giang & Ky Cung Rivers	1,118	128	989	1,168	166	1,002	1,208	200	1,008	0.8	4.5	0.2	0.7	3.8	0.1
11	Cao Bang	489	48	441	489	51	439	497	66	432	0.2	3.2	-0.2	0.3	5.4	-0.3
14	Lang Son	629	80	548	679	115	564	711	134	576	1.2	5.3	0.5	0.9	3.1	0.4
II.	Red and Thai Binh Rivers	23,448	3,641	19,807	25,433	4,129	21,304	27,050	5,076	21,973	1.4	3.4	1.0	1.2	4.2	0.6
(1)	Red River Delta	15,001	2,359	12,642	16,137	2,689	13,448	17,018	3,427	13,591	1.3	3.8	0.7	1.1	5.0	0.2
1	Ha Noi	2,119	1,096	1,023	2,431	1,275	1,156	2,736	1,581	1,155	2.6	3.7	1.2	2.4	4.4	-0.0
2	Hai Phong	1,508	471	1,037	1,608	524	1,084	1,691	576	1,115	1.1	2.0	0.7	1.0	1.9	0.6
19	Vinh Phuc	972	61	911	1,048	80	969	1,103	118	985	1.3	6.8	0.8	1.0	8.2	0.3
3	Ha Tay	2,117	128	1,989	2,299	162	2,137	2,411	197	2,213	1.3	4.4	1.1	1.0	4.0	0.7
21	Bac Ninh	832	38	794	916	41	875	949	90	859	1.3	8.9	0.8	0.7	16.8	-0.4
4	Hai Duong	1,558	114	1,443	1,609	133	1,476	1,658	230	1,428	0.6	7.2	-0.1	0.6	11.5	-0.7
5	Hung Yen	975	16	959	1,033	24	1,010	1,082	101	981	1.0	20.2	0.2	0.9	33.9	-0.6
6	Ha Nam	722	51	672	764	56	708	798	63	735	1.0	2.2	0.9	0.9	2.4	0.7
7	Nam Dinh	1,716	227	1,489	1,821	220	1,600	1,905	246	1,659	1.1	0.8	1.1	0.9	2.2	0.7
8	Thai Binh	1,690	91	1,599	1,752	96	1,656	1,797	104	1,693	0.6	1.4	0.6	0.5	1.5	0.4
9	Ninh Binh	792	65	727	856	77	778	888	120	768	1.2	6.3	0.6	0.8	9.3	-0.3
(2)	Other areas in the basin	8,447	1,282	7,165	9,296	1,440	7,856	10,032	1,650	8,382	1.7	2.6	1.6	1.5	2.8	1.3
10	Ha Giang	488	33	455	550	49	502	618	66	553	2.4	7.1	2.0	2.4	6.3	2.0
12	Lao Cai	483	60	423	550	94	456	614	105	509	2.4	5.8	1.9	2.2	2.2	2.2
13	Bac Kan	226	28	199	254	34	221	281	42	239	2.2	4.3	1.9	2.0	4.5	1.6
15	Tuyen Quang	584	60	524	639	67	571	686	61	625	1.6	0.1	1.8	1.4	-2.0	1.8
16	Yen Bai	601	115	486	648	123	524	692	136	556	1.4	1.7	1.3	1.3	1.9	1.2
17	Thai Nguyen	914	185	729	1,005	201	804	1,054	221	833	1.4	1.8	1.3	1.0	1.9	0.7
18	Phu Tho	1,130	105	1,025	1,212	117	1,095	1,274	181	1,093	1.2	5.5	0.6	1.0	9.0	-0.0
20	Bac Giang	1,311	71	1,240	1,431	82	1,349	1,509	112	1,397	1.4	4.7	1.2	1.1	6.5	0.7
22	Quang Ninh	854	368	486	942	404	538	1,018	449	569	1.8	2.0	1.6	1.6	2.1	1.1
23	Lai Chau	465	60	405	536	63	473	613	75	538	2.8	2.3	2.9	2.8	3.6	2.6
24	Son La	712	94	619	812	103	709	907	96	811	2.4	0.2	2.8	2.2	-1.4	2.7
25	Hoa Binh	678	104	574	719	103	616	768	107	661	1.3	0.3	1.4	1.3	0.8	1.4
III.	Ma River	3,118	230	2,888	3,338	274	3,064	3,501	323	3,178	1.2	3.5	1.0	1.0	3.4	0.7
26	Thanh Hoa	3,118	230	2,888	3,338	274	3,064	3,501	323	3,178	1.2	3.5	1.0	1.0	3.4	0.7
IV.	Ca River	3,732	264	3,468	3,963	351	3,612	4,171	417	3,754	1.1	4.7	0.8	1.0	3.5	0.8
27	Nghe An	2,526	197	2,329	2,715	263	2,452	2,892	300	2,592	1.4	4.3	1.1	1.3	2.7	1.1
28	Ha Tinh	1,206	67	1,139	1,248	87	1,160	1,279	117	1,162	0.6	5.8	0.2	0.5	6.0	0.0
V.	Thach Han River	483	70	413	535	100	435	581	138	443	1.9	7.0	0.7	1.7	6.6	0.4
30	Quang Tri	483	70	413	535	100	435	581	138	443	1.9	7.0	0.7	1.7	6.6	0.4
VI.	Huong River	931	247	683	999	260	740	1,064	313	751	1.4	2.4	1.0	1.3	3.8	0.3
31	Thua Thien - Hue	931	247	683	999	260	740	1,064	313	751	1.4	2.4	1.0	1.3	3.8	0.3
VII.	Vu Gia-Thu Bon Rivers	1,816	551	1,266	1,959	604	1,355	2,088	760	1,328	1.4	3.3	0.5	1.3	4.7	-0.4
32	Da Nang	574	389	185	637	426	211	700	553	147	2.0	3.6	-2.3	1.9	5.3	-7.0
33	Quang Nam	1,243	162	1,080	1,322	178	1,144	1,389	207	1,181	1.1	2.5	0.9	1.0	3.1	0.6
VIII.	Tra Khuc River	1,084	92	992	1,149	111	1,038	1,199	143	1,056	1.0	4.5	0.6	0.9	5.2	0.3
34	Quang Ngai	1,084	92	992	1,149	111	1,038	1,199	143	1,056	1.0	4.5	0.6	0.9	5.2	0.3
IX.	Kone River	1,303	237	1,066	1,394	262	1,132	1,482	357	1,125	1.3	4.2	0.5	1.2	6.3	-0.1
35	Binh Dinh	1,303	237	1,066	1,394	262	1,132	1,482	357	1,125	1.3	4.2	0.5	1.2	6.3	-0.1
X.	Ba River	1,377	270	1,107	1,591	327	1,264	1,825	402	1,423	2.9	4.0	2.5	2.8	4.2	2.4
36	Phu Yen	674	123	551	740	135	605	804	152	652	1.8	2.2	1.7	1.7	2.4	1.5
39	Gia Lai	703	148	556	851	192	659	1,021	250	771	3.8	5.4	3.3	3.7	5.4	3.2
XI.	Dong Nai River	9,106	4,072	5,034	10,375	4,831	5,544	11,770	6,195	5,575	2.6	4.3	1.0	2.6	5.1	0.1
41	Ho Chi Minh	4,144	3,069	1,075	4,640	3,466	1,174	5,222	4,359	863	2.3	3.6	-2.2	2.4	4.7	-6.0
42	Lam Dong	692	237	455	856	308	549	1,038	402	637	4.1	5.4	3.4	3.9	5.5	3.0
44	Binh Phuoc	419	0	419	533	81	452	687	104	583	5.1	-	3.3	5.2	5.2	5.2
45	Tay Ninh	832	90	741	910	107	803	979	137	842	1.6	4.3	1.3	1.5	5.0	0.9
46	Binh Duong	543	54	489	639	112	527	738	246	492	3.1	16.4	0.1	2.9	17.1	-1.4
47	Dong Nai	1,649	424	1,225	1,845	536	1,308	2,039	627	1,412	2.1	4.0	1.4	2.0	3.2	1.5
48	Binh Thuan	828	199	630	952	221	730	1,066	319	747	2.6	4.9	1.7	2.3	7.6	0.4
XII.	Se San River	237	39	197	280	64	216	327	104	223	3.3	10.2	1.2	3.2	10.3	0.6
38	Kon Tum	237	39	197	280	64	216	327	104	223	3.3	10.2	1.2	3.2	10.3	0.6
XIII.	Srepok River	1,050	178	872	1,398	258	1,141	1,863	373	1,490	5.9	7.7	5.5	5.9	7.7	5.5
40	Dak Lak	1,050	178	872	1,398	258	1,141	1,863	373	1,490	5.9	7.7	5.5	5.9	7.7	5.5
XIV.	Cuu Long River Delta	14,656	2,208	12,448	15,532	2,437	13,095	16,366	2,871	13,495	1.1	2.7	0.8	1.1	3.3	0.6
50	Long An	1,169	152	1,017	1,251	179	1,072	1,330	220	1,110	1.3	3.8	0.9	1.2	4.2	0.7
51	Dong Thap	1,396	164	1,232	1,489	195	1,295	1,581	230	1,350	1.2	3.5	0.9	1.2	3.4	0.8
52	An Giang	1,848	347	1,501	1,970	368	1,602	2,080	454	1,626	1.2	2.7	0.8	1.1	4.3	0.3
53	Tien Giang	1,533	191	1,342	1,582	201	1,381	1,621	217	1,404	0.6	1.3	0.5	0.5	1.6	0.3
54	Vinh Long	970	122	848	990	133	857	1,019	150	869	0.5	2.1	0.2	0.6	2.5	0.3
55	Ben Tre	1,247	93	1,153	1,282	97	1,185	1,307	122	1,185	0.5	2.7	0.3	0.4	4.7	0.0
56	Kien Giang	1,242	264	978	1,392	285	1,107	1,528	338	1,191	2.1	2.5	2.0	1.9	3.5	1.5
57	Can Tho	1,645	318	1,327	1,740	344	1,396	1,839	399	1,440	1.1	2.3	0.8	1.1	3.0	0.6
58	Tra Vinh	885	64	821	935	93	842	982	127	855	1.0	7.0	0.4	1.0	6.5	0.3
59	Soc Trang	1,107	182	925	1,150	195	955	1,194	215	979	0.8	1.7	0.6	0.8	2.0	0.5
60	Bac Lieu	679	165	514	710	171	538	745	183	562	0.9	1.0	0.9	1.0	1.3	0.9
61	Ca Mau	937	145	791	1,042	176	866	1,140	216	924	2.0	4.1	1.6	1.8	4.2	1.3

Source: - Statistical Yearbook 2000, GSO

Table E.19 Gross Regional Domestic Product (GRDP) by River Basin

(1/2)

River Basin/Province		Gross Regional Domestic Product (Billion Dongs)											GRDP per capita at Current Price in	Annual growth rate on a constant price basis						
		At Current Price						At 1994 Constant Price												
No.		1995	1996	1997	1998	1999	2000*	1995	1996	1997	1998	1999	2000*	2000 (VND1,000)	95-96	96-97	97-98	98-99	99-00	Average
I.	Bang Giang & Ky Cung Rivers	1,885	2,392	2,490	2,976	3,241	3,584	1,705	2,060	2,136	2,401	2,581	2,811	2,967	20.8%	3.7%	12.4%	7.5%	8.9%	10.5%
11	Cao Bang	650	827	856	1,113	1,232	1,404	588	717	754	899	971	1,080	2,823	21.9%	5.1%	19.3%	7.9%	11.3%	12.9%
14	Lang Son	1,236	1,565	1,634	1,863	2,009	2,180	1,117	1,344	1,382	1,502	1,611	1,731	3,068	20.3%	2.9%	8.6%	7.3%	7.5%	9.2%
II.	Red and Thai Binh Rivers	60,465	n/a	76,465	89,022	97,072	106,341	51,635	n/a	62,669	67,983	72,884	79,394	3,931	n/a	n/a	8.5%	7.2%	8.9%	9.0%
(1)	Red River Delta	44,530	n/a	56,165	66,771	73,219	80,127	38,205	n/a	46,130	50,862	54,469	59,387	4,708	n/a	n/a	10.3%	7.1%	9.0%	9.2%
1	Ha Noi	14,499	17,292	20,071	24,083	27,039	29,570	12,021	13,582	15,292	17,128	18,288	19,959	10,806	13.0%	12.6%	12.0%	6.8%	9.1%	10.7%
2	Hai Phong	6,139	6,839	7,470	8,470	9,169	10,064	5,311	n/a	6,386	6,903	7,340	8,009	5,952	n/a	n/a	8.1%	6.3%	9.1%	8.6%
19	Vinh Phuc	1,583	1,723	2,176	2,868	3,195	3,740	1,360	1,411	1,776	2,163	2,331	2,835	3,390	3.7%	25.9%	21.8%	7.8%	21.6%	15.8%
3	Ha Tay	4,365	n/a	4,818	6,096	6,755	7,540	3,838	n/a	4,110	4,778	5,099	5,456	3,128	n/a	n/a	16.3%	6.7%	7.0%	7.3%
21	Bac Ninh	1,699	1,832	2,019	2,369	2,744	3,321	1,433	1,536	1,707	1,841	2,126	2,467	3,500	7.2%	11.1%	7.8%	15.5%	16.1%	11.5%
4	Hai Duong	3,870	n/a	4,830	5,694	5,979	6,345	3,231	n/a	4,067	4,430	4,599	5,035	3,828	n/a	n/a	8.9%	3.8%	9.5%	9.3%
5	Hung Yen	2,035	2,355	2,581	3,106	3,632	4,109	1,701	1,871	2,126	2,342	2,681	2,978	3,797	10.0%	13.6%	10.2%	14.5%	11.1%	11.9%
6	Ha Nam	1,429	1,535	1,622	1,901	2,129	2,331	1,255	1,305	1,425	1,554	1,735	1,875	2,923	4.0%	9.2%	9.1%	11.6%	8.1%	8.4%
7	Nam Dinh	3,628	4,056	4,317	4,863	5,173	5,467	3,224	3,429	3,782	4,012	4,235	4,472	2,870	6.3%	10.3%	6.1%	5.6%	5.6%	6.8%
8	Thai Binh	3,906	4,577	4,663	5,430	5,514	5,627	3,666	3,760	4,043	4,187	4,420	4,580	3,131	2.6%	7.5%	3.5%	5.6%	3.6%	4.6%
9	Ninh Binh	1,378	n/a	1,599	1,893	1,892	2,013	1,165	n/a	1,417	1,524	1,617	1,721	2,266	n/a	n/a	7.5%	6.1%	6.5%	8.1%
(2)	Other areas in the basin	15,934	17,796	20,299	22,251	23,853	26,214	13,430	14,545	16,539	17,121	18,415	20,007	2,613	8.3%	13.7%	3.5%	7.6%	8.6%	8.3%
10	Ha Giang	548	610	619	798	921	1,036	520	572	605	698	770	850	1,675	10.0%	5.7%	15.4%	10.4%	10.4%	10.3%
12	Lao Cai	917	1,013	1,057	1,154	1,261	1,357	752	762	794	840	899	955	2,212	1.4%	4.1%	5.9%	7.0%	6.2%	4.9%
13	Bac Kan	285	309	354	407	447	475	272	286	331	354	382	410	1,693	5.4%	15.6%	7.0%	7.9%	7.4%	8.6%
15	Tuyen Quang	991	1,161	1,221	1,425	1,520	1,653	881	968	1,053	1,141	1,212	1,342	2,412	9.9%	8.8%	8.3%	6.2%	10.7%	8.8%
16	Yen Bai	899	1,089	1,210	1,332	1,503	1,670	895	991	1,092	1,162	1,235	1,340	2,415	10.7%	10.2%	6.4%	6.4%	8.5%	8.4%
17	Thai Nguyen	1,871	2,042	2,274	2,451	2,472	2,618	1,670	1,728	1,907	1,909	1,958	2,091	2,484	3.5%	10.3%	0.1%	2.6%	6.8%	4.6%
18	Phu Tho	2,250	2,554	2,836	3,132	3,405	3,823	1,857	2,041	2,237	2,380	2,564	2,781	3,002	9.9%	9.6%	6.4%	7.7%	8.4%	8.4%
20	Bac Giang	2,294	2,504	2,756	3,128	3,296	3,491	1,898	2,045	2,219	2,331	2,463	2,673	2,313	7.8%	8.5%	5.0%	5.7%	8.5%	7.1%
22	Quang Ninh	2,863	3,295	3,744	4,178	4,659	5,226	2,297	2,474	2,781	3,054	3,433	3,773	5,135	7.7%	12.4%	9.8%	12.4%	9.9%	10.4%
23	Lai Chau	809	911	1,690	1,097	1,097	1,193	771	839	1,484	952	937	990	1,946	8.9%	76.8%	-35.8%	-1.6%	5.6%	5.1%
24	Son La	1,039	1,177	1,247	1,553	1,616	1,837	717	798	887	964	1,136	1,242	2,026	11.3%	11.1%	8.7%	17.9%	9.3%	11.6%
25	Hoa Binh	1,169	1,131	1,290	1,597	1,656	1,834	902	1,038	1,149	1,335	1,425	1,561	2,389	15.1%	10.7%	16.2%	6.7%	9.5%	11.6%
III.	Ma River	6,371	6,868	7,759	8,524	9,230	10,098	5,407	5,684	6,282	6,660	7,013	7,677	2,884	5.1%	10.5%	6.0%	5.3%	9.5%	7.3%
26	Thanh Hoa	6,371	6,868	7,759	8,524	9,230	10,098	5,407	5,684	6,282	6,660	7,013	7,677	2,884	5.1%	10.5%	6.0%	5.3%	9.5%	7.3%
IV.	Ca River	7,335	8,118	8,626	9,924	10,681	11,338	6,359	6,791	7,439	7,923	8,452	8,992	2,718	6.8%	9.6%	6.5%	6.7%	6.4%	7.2%
27	Nghe An	5,088	5,625	6,010	7,019	7,561	7,936	4,449	4,751	5,213	5,560	5,942	6,318	2,744	6.8%	9.7%	6.7%	6.9%	6.3%	7.3%
28	Ha Tinh	2,247	2,492	2,616	2,905	3,120	3,403	1,910	2,040	2,226	2,362	2,509	2,674	2,660	6.8%	9.1%	6.1%	6.2%	6.6%	7.0%
V.	Thach Han River	929	998	1,230	1,397	1,516	1,679	793	812	969	1,009	1,097	1,196	2,890	2.5%	19.3%	4.1%	8.7%	9.0%	8.6%
30	Quang Tri	929	998	1,230	1,397	1,516	1,679	793	812	969	1,009	1,097	1,196	2,890	2.5%	19.3%	4.1%	8.7%	9.0%	8.6%
VI.	Huong River	1,988	2,364	2,658	3,014	3,043	3,461	1,624	1,765	1,923	2,046	1,977	2,199	3,251	8.7%	9.0%	6.4%	-3.4%	11.2%	6.3%
31	Thua Thien - Hue	1,988	2,364	2,658	3,014	3,043	3,461	1,624	1,765	1,923	2,046	1,977	2,199	3,251	8.7%	9.0%	6.4%	-3.4%	11.2%	6.3%
VII.	Vu Gia-Thu Bon Rivers	4,546	5,354	6,112	7,099	7,963	9,191	4,142	4,560	5,053	5,465	5,911	6,422	4,401	10.1%	10.8%	8.1%	8.2%	8.6%	9.2%
32	Da Nang	2,341	2,805	3,209	3,725	4,274	4,947	2,052	2,298	2,590	2,818	3,085	3,390	7,070	12.0%	12.7%	8.8%	9.5%	9.9%	10.6%
33	Quang Nam	2,205	2,549	2,903	3,374	3,689	4,244	2,091	2,262	2,463	2,647	2,826	3,033	3,056	8.2%	8.9%	7.5%	6.7%	7.3%	7.7%

Table E.19 Gross Regional Domestic Product (GRDP) by River Basin

(2/2)

River Basin/Province	Gross Regional Domestic Product (Billion Dongs)												GRDP per capita at Current Price in	Annual growth rate on a constant price basis					
	At Current Price						At 1994 Constant Price												
No.	1995	1996	1997	1998	1999	2000*	1995	1996	1997	1998	1999	2000*	2000 (VND1,000)	95-96	96-97	97-98	98-99	99-00	Average
VIII. Tra Khuc River	1,806	2,164	2,394	2,749	2,920	3,373	1,513	1,702	1,856	2,005	2,142	2,281	2,813	12.5%	9.0%	8.1%	6.8%	6.5%	8.6%
34 Quang Ngai	1,806	2,164	2,394	2,749	2,920	3,373	1,513	1,702	1,856	2,005	2,142	2,281	2,813	12.5%	9.0%	8.1%	6.8%	6.5%	8.6%
IX. Kone River	2,718	3,122	3,435	3,856	4,181	4,592	2,389	2,628	2,870	3,071	3,359	3,661	3,099	10.0%	9.2%	7.0%	9.4%	9.0%	8.9%
35 Binh Dinh	2,718	3,122	3,435	3,856	4,181	4,592	2,389	2,628	2,870	3,071	3,359	3,661	3,099	10.0%	9.2%	7.0%	9.4%	9.0%	8.9%
X. Ba River	2,531	3,026	3,679	4,392	4,783	5,315	2,169	2,457	2,754	2,981	3,194	3,620	2,913	13.3%	12.1%	8.2%	7.1%	13.3%	10.8%
36 Phu Yen	1,273	1,455	1,678	2,110	2,255	2,409	1,009	1,151	1,266	1,356	1,443	1,559	2,996	14.1%	10.0%	7.1%	6.4%	8.1%	9.1%
39 Gia Lai	1,258	1,571	2,001	2,282	2,528	2,905	1,160	1,306	1,488	1,626	1,751	2,061	2,847	12.6%	13.9%	9.2%	7.7%	17.7%	12.2%
XI. Dong Nai River	n/a	66,057	77,207	92,040	102,605	108,146	n/a	53,185	59,731	69,162	74,203	77,256	9,188	n/a	12.3%	15.8%	7.3%	4.1%	9.8%
41 Ho Chi Minh	40,866	47,365	55,140	66,110	74,187	76,660	36,063	37,450	41,900	49,358	52,193	52,860	14,680	3.8%	11.9%	17.8%	5.7%	1.3%	7.9%
42 Lam Dong	1,718	1,939	2,255	3,042	2,885	3,008	1,540	1,871	2,046	2,439	2,773	3,067	2,896	21.5%	9.3%	19.2%	13.7%	10.6%	14.8%
44 Binh Phuoc	985	1,138	1,254	1,401	1,595	1,809	861	926	1,011	1,088	1,201	1,320	2,632	7.6%	9.1%	7.7%	10.4%	9.9%	8.9%
45 Tay Ninh	2,159	2,572	2,960	3,546	3,741	4,044	1,848	2,153	2,449	2,743	3,187	3,475	4,132	16.5%	13.7%	12.0%	16.2%	9.0%	13.5%
46 Binh Duong	n/a	3,150	3,919	4,572	5,239	5,942	n/a	2,325	2,736	3,038	3,416	3,891	8,047	n/a	17.7%	11.0%	12.4%	13.9%	13.7%
47 Dong Nai	6,753	8,014	9,539	10,878	12,235	13,615	5,947	6,950	7,901	8,658	9,473	10,473	6,676	16.9%	13.7%	9.6%	9.4%	10.6%	12.0%
48 Binh Thuan	1,659	1,879	2,139	2,490	2,724	3,069	1,337	1,509	1,689	1,839	1,961	2,171	2,879	12.9%	11.9%	8.9%	6.6%	10.7%	10.2%
XII. Se San River	487	487	582	719	751	844	486	482	548	627	706	802	2,586	-0.8%	13.8%	14.4%	12.6%	13.6%	10.6%
38 Kon Tum	487	487	582	719	751	844	486	482	548	627	706	802	2,586	-0.8%	13.8%	14.4%	12.6%	13.6%	10.6%
XIII. Srepok River	3,589	4,219	4,354	5,632	6,284	5,421	2,911	3,255	3,810	4,206	4,774	5,769	2,910	11.8%	17.0%	10.4%	13.5%	20.8%	14.7%
40 Dak Lak	3,589	4,219	4,354	5,632	6,284	5,421	2,911	3,255	3,810	4,206	4,774	5,769	2,910	11.8%	17.0%	10.4%	13.5%	20.8%	14.7%
XIV. Cuu Long River Delta	42,690	n/a	54,492	64,170	67,957	71,917	37,899	n/a	44,024	47,841	51,466	55,189	4,394	n/a	n/a	8.7%	7.6%	7.2%	7.8%
50 Long An	3,812	n/a	4,774	5,449	5,776	6,199	3,307	3,799	3,928	4,185	4,482	4,785	4,660	14.9%	3.4%	6.5%	7.1%	6.8%	7.7%
51 Dong Thap	3,300	3,757	4,187	4,642	5,110	5,421	3,316	n/a	3,802	4,107	4,399	4,620	3,430	n/a	n/a	8.0%	7.1%	5.0%	6.9%
52 An Giang	5,516	6,385	7,149	8,977	9,242	9,472	4,848	5,271	5,553	5,961	6,366	6,761	4,553	8.7%	5.3%	7.4%	6.8%	6.2%	6.9%
53 Tien Giang	4,234	4,985	5,415	6,231	6,595	7,078	3,599	4,046	4,212	4,599	4,911	5,322	4,367	12.4%	4.1%	9.2%	6.8%	8.4%	8.1%
54 Vinh Long	2,694	3,018	3,300	3,963	4,279	4,322	2,201	2,355	2,499	2,685	2,845	3,030	4,242	7.0%	6.1%	7.5%	6.0%	6.5%	6.6%
55 Ben Tre	3,176	3,980	4,386	4,916	5,143	5,426	2,725	2,945	3,176	3,375	3,836	4,074	4,151	8.1%	7.8%	6.3%	13.7%	6.2%	8.4%
56 Kien Giang	4,442	5,408	5,590	6,557	6,995	7,293	4,359	4,851	5,076	5,483	5,980	6,332	4,773	11.3%	4.6%	8.0%	9.1%	5.9%	7.8%
57 Can Tho	5,049	5,876	6,546	7,921	8,114	8,590	4,435	4,889	5,320	5,738	6,139	6,517	4,672	10.2%	8.8%	7.9%	7.0%	6.2%	8.0%
58 Tra Vinh	2,233	2,904	3,555	3,723	4,079	4,124	1,963	2,104	2,254	2,418	2,556	2,705	4,199	7.2%	7.1%	7.3%	5.7%	5.8%	6.6%
59 Soc Trang	2,956	3,153	3,617	4,608	4,770	4,961	2,599	2,822	3,053	3,582	3,737	4,053	4,155	8.6%	8.2%	17.3%	4.3%	8.4%	9.3%
60 Bac Lieu	1,792	1,713	1,966	2,476	2,745	3,135	1,499	1,622	1,663	1,929	2,107	2,446	4,207	8.2%	2.5%	16.0%	9.2%	16.1%	10.3%
61 Ca Mau	3,486	3,588	4,008	4,707	5,107	5,895	3,048	3,290	3,488	3,779	4,109	4,543	5,172	8.0%	6.0%	8.4%	8.7%	10.6%	8.3%
Total	n/a	n/a	251,482	295,513	322,227	345,298	n/a	n/a	202,065	223,379	239,758	257,268	4,635	n/a	n/a	10.5%	7.3%	7.3%	8.4%

Source: - Socio-economic Statistical Data of 61 Provinces and Cities in Vietnam, 2nd Edition, GSO

- Socio-economic Statistical Data of 61 Provinces and Cities in Vietnam, 3rd Edition, 2001, GSO

Note: - n/a: data not available

- Average annual growth rates are estimated for three or four years depending on availability of data.

- *: The figures in 2000 are preliminary.

Table E.20 Economic Growth of Provinces in River Basins by Industry

(1/2)

No.		GRDP at 1994 Constant Price (Billion VND)												Average Annual Growth Rate of GDP by Industry (%)							
		1995				1999				2000 (preliminary)				Total		Agriculture, forestry, and fishery		Industry and Construction		Service	
		Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services	95-99	95-2000	95-99	95-2000	95-99	95-2000	95-99	95-2000
I.	Bang Giang & Ky Cung Rivers	1,705	1,126	133	446	2,581	1,433	314	835	2,811	1,473	368	970	10.9	10.5	6.2	5.5	23.9	22.6	17.0	16.8
11	Cao Bang	588	431	43	114	971	564	126	280	1,080	601	170	309	13.4	12.9	7.0	6.9	30.6	31.4	25.4	22.2
14	Lang Son	1,117	695	90	333	1,611	869	187	555	1,731	871	198	662	9.6	9.2	5.7	4.6	20.3	17.2	13.6	14.7
II.	Red and Thai Binh Rivers	51,635	18,201	12,894	20,541	72,884	22,288	21,331	29,265	79,394	23,549	24,255	31,589	9.0	9.0	5.2	5.3	13.4	13.5	9.3	9.0
(1)	Red River Delta	38,205	12,281	9,684	16,239	54,469	14,831	16,461	23,178	59,387	15,541	18,763	25,082	9.3	9.2	4.8	4.8	14.2	14.1	9.3	9.1
1	Ha Noi	12,021	643	3,704	7,674	18,288	728	6,437	11,123	19,959	761	7,134	12,064	11.1	10.7	3.1	3.4	14.8	14.0	9.7	9.5
2	Hai Phong	5,311	957	1,527	2,827	7,340	1,205	2,604	3,530	8,009	1,265	2,938	3,807	8.4	8.6	5.9	5.7	14.3	14.0	5.7	6.1
19	Vinh Phuc	1,360	733	170	458	2,331	851	693	787	2,835	912	1,033	891	14.4	15.8	3.8	4.5	42.1	43.4	14.5	14.3
3	Ha Tay	3,838	1,880	980	978	5,099	2,228	1,473	1,398	5,456	2,351	1,617	1,487	7.4	7.3	4.3	4.6	10.7	10.5	9.3	8.7
21	Bac Ninh	1,433	679	347	408	2,126	865	671	590	2,467	948	861	659	10.4	11.5	6.3	6.9	17.9	20.0	9.7	10.1
4	Hai Duong	3,231	1,224	1,225	782	4,599	1,537	1,736	1,326	5,035	1,612	2,021	1,402	9.2	9.3	5.8	5.7	9.1	10.5	14.1	12.4
5	Hung Yen	1,701	1,107	195	399	2,681	1,380	631	670	2,978	1,434	763	782	12.1	11.9	5.7	5.3	34.2	31.4	13.9	14.4
6	Ha Nam	1,255	650	207	398	1,735	780	446	509	1,875	793	548	534	8.4	8.4	4.7	4.1	21.1	21.5	6.3	6.0
7	Nam Dinh	3,224	1,438	640	1,146	4,235	1,791	892	1,551	4,472	1,836	930	1,706	7.1	6.8	5.6	5.0	8.7	7.8	7.9	8.3
8	Thai Binh	3,666	2,343	470	854	4,420	2,634	522	1,264	4,580	2,721	554	1,306	4.8	4.6	3.0	3.0	2.7	3.4	10.3	8.9
9	Ninh Binh	1,165	629	221	315	1,617	831	356	430	1,721	910	365	446	8.5	8.1	7.2	7.7	12.7	10.6	8.1	7.2
(2)	Other area	13,431	5,920	3,210	4,302	18,415	7,457	4,870	6,087	20,007	8,008	5,492	6,507	8.2	8.3	5.9	6.2	11.0	11.3	9.1	8.6
10	Ha Giang	520	360	76	84	770	435	143	192	850	456	180	213	10.3	10.3	4.8	4.8	17.3	19.0	22.9	20.5
12	Lao Cai	752	382	166	204	899	456	161	283	955	462	206	287	4.6	4.9	4.5	3.9	-0.8	4.4	8.5	7.0
13	Bac Kan	272	194	17	61	382	246	34	102	410	271	38	101	8.9	8.6	6.2	6.9	18.9	18.0	13.6	10.6
15	Tuyen Quang	881	493	140	249	1,212	651	210	352	1,342	692	263	386	8.3	8.8	7.2	7.0	10.7	13.5	9.1	9.2
16	Yen Bai	895	463	236	196	1,235	572	327	336	1,340	601	378	361	8.4	8.4	5.4	5.4	8.5	9.9	14.4	13.0
17	Thai Nguyen	1,670	642	556	472	1,958	768	624	566	2,091	806	672	613	4.1	4.6	4.6	4.7	2.9	3.8	4.7	5.4
18	Phu Tho	1,857	666	574	618	2,564	771	944	849	2,781	856	1,031	894	8.4	8.4	3.7	5.1	13.3	12.4	8.3	7.7
20	Bac Giang	1,898	1,015	328	555	2,463	1,342	317	804	2,673	1,474	361	838	6.7	7.1	7.2	7.7	-0.8	2.0	9.7	8.6
22	Quang Ninh	2,297	263	882	1,152	3,433	333	1,590	1,510	3,773	353	1,793	1,628	10.6	10.4	6.1	6.1	15.9	15.2	7.0	7.2
23	Lai Chau	771	375	109	287	937	435	167	336	990	453	175	362	5.0	5.1	3.8	3.8	11.3	10.0	4.0	4.7
24	Son La	717	524	69	124	1,136	723	115	298	1,242	776	129	337	12.2	11.6	8.4	8.2	13.4	13.3	24.5	22.1
25	Hoa Binh	902	544	58	300	1,425	725	240	460	1,561	808	265	487	12.1	11.6	7.5	8.3	42.6	35.5	11.3	10.2
III.	Ma River	5,407	2,438	1,184	1,785	7,013	2,855	1,744	2,414	7,677	2,921	2,231	2,525	6.7	7.3	4.0	3.7	10.2	13.5	7.8	7.2
26	Thanh Hoa	5,407	2,438	1,184	1,785	7,013	2,855	1,744	2,414	7,677	2,921	2,231	2,525	6.7	7.3	4.0	3.7	10.2	13.5	7.8	7.2
IV.	Ca River	6,359	3,237	838	2,283	8,452	3,869	1,330	3,254	8,992	4,104	1,564	3,324	7.4	7.2	4.6	4.9	12.2	13.3	9.3	7.8
27	Nghe An	4,449	2,157	645	1,647	5,942	2,610	1,018	2,314	6,318	2,793	1,204	2,321	7.5	7.3	4.9	5.3	12.1	13.3	8.9	7.1
28	Ha Tinh	1,910	1,081	193	636	2,509	1,259	311	940	2,674	1,311	361	1,003	7.1	7.0	3.9	3.9	12.6	13.3	10.2	9.5
V.	Thach Han River	793	355	79	359	1,097	496	141	460	1,196	536	175	485	8.5	8.6	8.7	8.5	15.6	17.3	6.4	6.2
30	Quang Tri	793	355	79	359	1,097	496	141	460	1,196	536	175	485	8.5	8.6	8.7	8.5	15.6	17.3	6.4	6.2
VI.	Huong River	1,624	496	711	417	1,977	419	593	965	2,199	537	652	1,010	5.0	6.3	-4.1	1.6	-4.4	-1.7	23.4	19.4
31	Thua Thien - Hue	1,624	496	711	417	1,977	419	593	965	2,199	537	652	1,010	5.0	6.3	-4.1	1.6	-4.4	-1.7	23.4	19.4
VII.	Vu Gia-Thu Bon River	4,142	1,346	1,012	1,785	5,911	1,521	1,815	2,576	6,422	1,550	2,010	2,862	9.3	9.2	3.1	2.9	15.7	14.7	9.6	9.9
32	Da Nang	2,052	230	677	1,145	3,085	269	1,216	1,600	3,390	276	1,326	1,787	10.7	10.6	4.1	3.8	15.8	14.4	8.7	9.3
33	Quang Nam	2,091	1,116	335	640	2,826	1,252	598	976	3,033	1,273	684	1,075	7.8	7.7	2.9	2.7	15.6	15.3	11.1	10.9

Table E.20 Economic Growth of Provinces in River Basins by Industry

(2/2)

No.	River Basins/Province	GRDP at 1994 Constant Price (Billion VND)												Average Annual Growth Rate of GDP by Industry (%)							
		1995				1999				2000 (preliminary)				Total		Agriculture, forestry, and fishery		Industry and Construction		Service	
		Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services	95-99	95-2000	95-99	95-2000	95-99	95-2000	95-99	95-2000
VIII.	Tra Khuc River	1,513	775	233	505	2,142	976	420	746	2,281	991	501	789	9.1	8.6	5.9	5.0	15.9	16.6	10.2	9.3
34	Quang Ngai	1,513	775	233	505	2,142	976	420	746	2,281	991	501	789	9.1	8.6	5.9	5.0	15.9	16.6	10.2	9.3
IX.	Kone River	2,389	1,232	354	802	3,359	1,668	580	1,112	3,661	1,745	722	1,194	8.9	8.9	7.9	7.2	13.1	15.3	8.5	8.3
35	Binh Dinh	2,389	1,232	354	802	3,359	1,668	580	1,112	3,661	1,745	722	1,194	8.9	8.9	7.9	7.2	13.1	15.3	8.5	8.3
X.	Ba River	2,169	1,101	356	712	3,194	1,550	702	941	3,620	1,804	730	1,076	10.2	10.8	8.9	10.4	18.5	15.4	7.2	8.6
36	Phu Yen	1,009	473	142	395	1,443	571	331	540	1,559	603	376	570	9.4	9.1	4.8	5.0	23.7	21.6	8.2	7.6
39	Gia Lai	1,160	628	215	317	1,751	979	371	401	2,061	1,201	354	506	10.8	12.2	11.7	13.8	14.6	10.5	6.0	9.8
XI.	Dong Nai River	49,921	6,905	16,726	26,290	74,203	9,344	29,149	35,711	77,256	9,934	32,770	34,551	10.4	9.1	7.9	7.5	14.9	14.4	8.0	5.6
41	Ho Chi Minh	36,063	1,093	12,551	22,419	52,193	1,246	20,818	30,130	52,860	1,165	23,370	28,325	9.7	7.9	3.3	1.3	13.5	13.2	7.7	4.8
42	Lam Dong	1,540	889	247	404	2,773	1,883	363	527	3,067	2,124	388	555	15.8	14.8	20.7	19.0	10.1	9.5	6.9	6.5
44	Binh Phuoc	861	645	29	187	1,201	802	103	296	1,320	852	132	336	8.7	8.9	5.6	5.7	36.6	35.0	12.3	12.5
45	Tay Ninh	1,848	952	307	590	3,187	1,514	660	1,013	3,475	1,656	716	1,103	14.6	13.5	12.3	11.7	21.1	18.5	14.5	13.3
46	Binh Duong	2,325	657	1,005	663	3,416	688	1,890	838	3,891	710	2,100	1,081	13.7	13.7	1.5	2.0	23.4	20.2	8.2	13.0
47	Dong Nai	5,947	1,980	2,321	1,646	9,473	2,285	4,897	2,290	10,473	2,420	5,583	2,470	12.3	12.0	3.7	4.1	20.5	19.2	8.6	8.5
48	Binh Thuan	1,337	689	265	383	1,961	925	420	616	2,171	1,008	481	682	10.0	10.2	7.7	7.9	12.2	12.6	12.6	12.2
XII.	Se San River	486	272	47	167	706	405	80	221	802	453	107	241	9.8	10.6	10.5	10.7	14.3	18.1	7.3	7.7
38	Kon Tum	486	272	47	167	706	405	80	221	802	453	107	241	9.8	10.6	10.5	10.7	14.3	18.1	7.3	7.7
XIII.	Srepok River	2,911	2,116	262	533	4,774	3,636	387	750	5,769	4,502	449	819	13.2	14.7	14.5	16.3	10.2	11.3	8.9	9.0
40	Dak Lak	2,911	2,116	262	533	4,774	3,636	387	750	5,769	4,502	449	819	13.2	14.7	14.5	16.3	10.2	11.3	8.9	9.0
XIV.	Cuu Long River Delta	37,899	23,312	5,417	9,179	51,466	28,473	8,767	14,226	55,189	29,842	9,952	15,490	8.0	7.8	5.1	5.1	12.8	12.9	11.6	11.0
50	Long An	3,307	1,833	516	958	4,482	2,321	902	1,259	4,785	2,397	1,024	1,364	7.9	7.7	6.1	5.5	15.0	14.7	7.1	7.3
51	Dong Thap	3,316	2,487	249	580	4,399	3,002	436	961	4,620	2,986	508	1,126	7.3	6.9	4.8	3.7	15.0	15.3	13.5	14.2
52	An Giang	4,848	2,578	557	1,713	6,366	2,807	877	2,682	6,761	2,841	956	2,965	7.0	6.9	2.2	2.0	12.0	11.4	11.9	11.6
53	Tien Giang	3,599	2,285	426	888	4,911	2,625	627	1,660	5,322	2,812	706	1,805	8.1	8.1	3.5	4.2	10.1	10.6	16.9	15.2
54	Vinh Long	2,201	1,344	249	608	2,845	1,594	359	892	3,030	1,643	412	976	6.6	6.6	4.4	4.1	9.6	10.6	10.1	9.9
55	Ben Tre	2,725	1,777	359	599	3,836	2,555	502	779	4,074	2,699	560	816	8.9	8.4	9.5	8.7	8.8	9.3	6.8	6.4
56	Kien Giang	4,359	2,651	897	811	5,980	3,239	1,427	1,314	6,332	3,538	1,551	1,340	8.2	7.8	5.1	5.9	12.3	11.6	12.8	10.6
57	Can Tho	4,435	2,105	862	1,469	6,139	2,452	1,584	2,103	6,517	2,403	1,823	2,291	8.5	8.0	3.9	2.7	16.4	16.2	9.4	9.3
58	Tra Vinh	1,963	1,487	142	334	2,556	1,850	172	535	2,705	1,852	302	551	6.8	6.6	5.6	4.5	4.9	16.3	12.5	10.5
59	Soc Trang	2,599	1,822	308	469	3,737	2,400	585	752	4,053	2,640	636	777	9.5	9.3	7.1	7.7	17.4	15.6	12.5	10.6
60	Bac Lieu	1,499	975	251	273	2,107	1,250	421	435	2,446	1,425	487	535	8.9	10.3	6.4	7.9	13.8	14.2	12.3	14.4
61	Ca Mau	3,048	1,970	601	476	4,109	2,380	875	854	4,543	2,608	990	946	7.8	8.3	4.8	5.8	9.8	10.5	15.7	14.7
Total		168,950	62,912	40,246	65,801	239,758	78,931	67,351	93,476	257,268	83,940	76,488	96,927	9.1	8.8	5.8	5.9	13.7	13.7	9.2	8.1

Source: - Socio-economic Statistical Data of 61 Provinces and Cities in Vietnam, 2nd Edition, GSO

- Socio-economic Statistical Data of 61 Provinces and Cities in Vietnam, 3rd Edition, 2001, GSO

Note: *: Since GRDP of Binh Duong Province in 1995 is not available, the figures in the table are those of 1996.

Table E.21 Changes of Industrial Share in GRDP of Provinces in River Basins

(1/2)

		GRDP at Current Price (Billion VND)											Share of Each Industry in GRDP (%)									
		1995				1999				2000 (preliminary)				Agriculture, forestry, and fishery			Industry and Construction			Service		
No.	River Basis/Province	Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services	1995	1999	2000	1995	1999	2000	1995	1999	2000
I.	Bang Giang & Ky Cung Rivers	1,885	1,197	165	523	3,241	1,767	410	1,063	3,584	1,821	467	1,296	63	55	51	9	13	13	28	33	36
11	Cao Bang	650	430	54	166	1,232	699	162	370	1,404	746	196	462	66	57	53	8	13	14	26	30	33
14	Lang Son	1,236	767	111	357	2,009	1,068	248	693	2,180	1,075	270	835	62	53	49	9	12	12	29	35	38
II.	Red and Thai Binh Rivers	60,465	21,299	15,080	24,086	97,073	28,233	28,871	39,969	106,341	29,681	32,859	43,801	35	29	28	25	30	31	40	41	41
(1)	Red River Delta	44,530	14,402	11,316	18,813	73,219	18,920	22,543	31,757	80,127	19,762	25,870	34,495	32	26	25	25	31	32	42	43	43
1	Ha Noi	14,499	782	4,787	8,931	27,039	986	10,237	15,816	29,570	1,031	11,380	17,159	5	4	3	33	38	38	62	58	58
2	Hai Phong	6,139	1,285	1,642	3,211	9,169	1,711	2,943	4,516	10,064	1,784	3,385	4,896	21	19	18	27	32	34	52	49	49
19	Vinh Phuc	1,583	880	185	518	3,195	1,165	951	1,078	3,740	1,162	1,398	1,179	56	36	31	12	30	37	33	34	32
3	Ha Tay	4,365	2,161	1,068	1,135	6,755	2,808	1,994	1,953	7,540	3,090	2,304	2,146	50	42	41	24	30	31	26	29	28
21	Bac Ninh	1,699	875	355	469	2,744	1,189	870	685	3,321	1,313	1,121	887	52	43	40	21	32	34	28	25	27
4	Hai Duong	3,870	1,572	1,352	946	5,979	2,200	2,093	1,686	6,345	2,243	2,369	1,733	41	37	35	35	35	37	24	28	27
5	Hung Yen	2,035	1,257	259	519	3,632	1,640	942	1,049	4,109	1,704	1,141	1,264	62	45	41	13	26	28	26	29	31
6	Ha Nam	1,429	752	232	444	2,129	929	547	653	2,331	937	687	707	53	44	40	16	26	29	31	31	30
7	Nam Dinh	3,628	1,664	716	1,249	5,173	2,207	1,047	1,919	5,467	2,300	1,130	2,037	46	43	42	20	20	21	34	37	37
8	Thai Binh	3,906	2,410	470	1,027	5,514	3,112	522	1,880	5,627	3,203	554	1,870	62	56	57	12	9	10	26	34	33
9	Ninh Binh	1,378	764	251	364	1,892	973	397	522	2,013	996	400	618	55	51	49	18	21	20	26	28	31
(2)	Other areas in the basin	15,935	6,897	3,764	5,273	23,854	9,314	6,328	8,212	26,214	9,919	6,989	9,306	43	39	38	24	27	27	33	34	36
10	Ha Giang	548	377	77	95	921	472	197	252	1,036	516	230	290	69	51	50	14	21	22	17	27	28
12	Lao Cai	917	425	196	296	1,261	635	226	401	1,357	669	249	438	46	50	49	21	18	18	32	32	32
13	Bac Kan	285	203	19	64	447	269	44	134	475	280	50	145	71	60	59	7	10	11	22	30	30
15	Tuyen Quang	991	559	151	280	1,520	811	252	457	1,653	825	230	599	56	53	50	15	17	14	28	30	36
16	Yen Bai	899	498	148	253	1,504	733	311	460	1,670	764	377	530	55	49	46	16	21	23	28	31	32
17	Thai Nguyen	1,871	700	608	563	2,472	942	751	779	2,618	985	759	874	37	38	38	33	30	29	30	32	33
18	Phu Tho	2,250	833	671	745	3,405	1,045	1,220	1,141	3,823	1,142	1,396	1,285	37	31	30	30	36	37	33	33	34
20	Bac Giang	2,294	1,230	337	727	3,296	1,673	462	1,162	3,491	1,758	500	1,233	54	51	50	15	14	14	32	35	35
22	Quang Ninh	2,863	318	1,168	1,378	4,659	424	2,226	2,009	5,226	446	2,496	2,284	11	9	9	41	48	48	48	43	44
23	Lai Chau	809	382	115	313	1,097	487	197	413	1,193	524	214	455	47	44	44	14	18	18	39	38	38
24	Son La	1,039	743	101	195	1,616	1,026	162	428	1,837	1,120	174	543	71	63	61	10	10	9	19	26	30
25	Hoa Binh	1,169	629	174	366	1,656	798	281	577	1,834	890	314	630	54	48	49	15	17	17	31	35	34
III.	Ma River	6,371	2,930	1,280	2,161	9,230	3,961	2,092	3,178	10,098	4,041	2,670	3,387	46	43	40	20	23	26	34	34	34
26	Thanh Hoa	6,371	2,930	1,280	2,161	9,230	3,961	2,092	3,178	10,098	4,041	2,670	3,387	46	43	40	20	23	26	34	34	34
IV.	Ca River	7,335	3,795	954	2,586	10,681	5,064	1,630	3,986	11,338	5,259	1,935	4,144	52	47	46	13	15	17	35	37	37
27	Nghe An	5,088	2,497	724	1,866	7,561	3,431	1,213	2,918	7,936	3,513	1,478	2,945	49	45	44	14	16	19	37	39	37
28	Ha Tinh	2,247	1,298	230	720	3,120	1,633	418	1,069	3,403	1,746	458	1,199	58	52	51	10	13	13	32	34	35
V.	Thach Han River	929	440	84	405	1,516	728	180	609	1,679	753	253	672	47	48	45	9	12	15	44	40	40
30	Quang Tri	929	440	84	405	1,516	728	180	609	1,679	753	253	672	47	48	45	9	12	15	44	40	40
VI.	Huong River	1,988	607	541	841	3,043	670	929	1,445	3,461	838	1,070	1,553	31	22	24	27	31	31	42	47	45
31	Thua Thien - Hue	1,988	607	541	841	3,043	670	929	1,445	3,461	838	1,070	1,553	31	22	24	27	31	31	42	47	45
VII.	Vu Gia-Thu Bon River	4,546	1,416	1,126	2,004	7,963	1,988	2,495	3,480	9,191	2,151	3,065	3,974	31	25	23	25	31	33	44	44	43
32	Da Nang	2,341	262	751	1,328	4,274	352	1,664	2,257	4,947	389	1,991	2,567	11	8	8	32	39	40	57	53	52
33	Quang Nam	2,205	1,154	376	676	3,689	1,636	831	1,223	4,244	1,762	1,074	1,407	52	44	42	17	23	25	31	33	33

Table E.21 Changes of Industrial Share in GRDP of Provinces in River Basins

(2/2)

		GRDP at Current Price (Billion VND)												Share of Each Industry in GRDP (%)									
No.	River Basis/Province	1995				1999				2000 (preliminary)				Agriculture, forestry, and fishery			Industry and Construction			Service			
		Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services	1995	1999	2000	1995	1999	2000	1995	1999	2000	
VIII. Tra Khuc River		1,806	924	284	598	2,920	1,263	589	1,068	3,373	1,311	1,311	750	51	43	39	16	20	39	33	37	22	
34	Quang Ngai	1,806	924	284	598	2,920	1,263	589	1,068	3,373	1,311	1,311	750	51	43	39	16	20	39	33	37	22	
IX. Kone River		2,718	1,388	407	923	4,181	1,889	810	1,482	4,592	1,953	1,037	1,602	51	45	43	15	19	23	34	35	35	
35	Binh Dinh	2,718	1,388	407	923	4,181	1,889	810	1,482	4,592	1,953	1,037	1,602	51	45	43	15	19	23	34	35	35	
X. Ba River		2,531	1,375	404	752	4,783	2,452	1,016	1,315	5,315	2,771	1,050	1,493	54	51	52	16	21	20	30	27	28	
36	Phu Yen	1,273	661	160	452	2,255	1,036	467	753	2,409	1,093	531	785	52	46	45	13	21	22	35	33	33	
39	Gia Lai	1,258	714	244	300	2,528	1,416	549	562	2,905	1,678	520	707	57	56	58	19	22	18	24	22	24	
XI. Dong Nai River		57,290	7,905	19,393	29,991	102,605	10,885	41,028	50,692	108,146	11,348	47,108	49,690	14	11	10	34	40	44	52	49	46	
41	Ho Chi Minh	40,866	1,207	14,402	25,258	74,187	1,428	30,025	42,734	76,660	1,546	34,497	40,617	3	2	2	35	40	45	62	58	53	
42	Lam Dong	1,718	983	250	485	2,885	1,595	498	793	3,008	1,544	579	884	57	55	51	15	17	19	28	27	29	
44	Binh Phuoc	985	727	34	224	1,595	1,043	125	427	1,809	1,118	162	529	74	65	62	3	8	9	23	27	29	
45	Tay Ninh	2,159	1,117	366	677	3,741	1,688	721	1,331	4,044	1,732	849	1,462	52	45	43	17	19	21	31	36	36	
46	Binh Duong	3,150	895	1,382	873	5,239	990	2,896	1,352	5,942	1,084	3,207	1,651	28	19	18	44	55	54	28	26	28	
47	Dong Nai	6,753	2,149	2,620	1,983	12,235	2,951	6,159	3,124	13,615	3,022	7,109	3,484	32	24	22	39	50	52	29	26	26	
48	Binh Thuan	1,659	827	339	492	2,724	1,190	603	931	3,069	1,301	705	1,063	50	44	42	20	22	23	30	34	35	
XII. Se San River		487	248	50	190	751	363	93	295	844	382	134	328	51	48	45	10	12	16	39	39	39	
38	Kon Tum	487	248	50	190	751	363	93	295	844	382	134	328	51	48	45	10	12	16	39	39	39	
XIII. Srepok River		3,589	2,550	345	693	6,284	4,513	592	1,179	5,421	3,540	655	1,226	71	72	65	10	9	12	19	19	23	
40	Dak Lak	3,589	2,550	345	693	6,284	4,513	592	1,179	5,421	3,540	655	1,226	71	72	65	10	9	12	19	19	23	
XIV. Cuu Long River Delta		42,690	26,340	6,042	10,308	67,957	38,412	10,805	18,740	71,917	38,890	12,397	20,631	62	57	54	14	16	17	24	28	29	
50	Long An	3,812	2,148	593	1,071	5,776	3,045	1,104	1,627	6,199	3,121	1,291	1,788	56	53	50	16	19	21	28	28	29	
51	Dong Thap	3,300	2,406	295	599	5,110	3,361	587	1,163	5,421	3,373	647	1,401	73	66	62	9	11	12	18	23	26	
52	An Giang	5,516	2,956	647	1,913	9,242	4,295	968	3,979	9,472	3,937	1,058	4,477	54	46	42	12	10	11	35	43	47	
53	Tien Giang	4,234	2,718	542	973	6,595	3,938	857	1,800	7,078	4,095	982	2,001	64	60	58	13	13	14	23	27	28	
54	Vinh Long	2,694	1,755	274	666	4,279	2,704	441	1,135	4,322	2,559	516	1,248	65	63	59	10	10	12	25	27	29	
55	Ben Tre	3,176	2,110	396	670	5,143	3,510	599	1,034	5,426	3,690	660	1,076	66	68	68	12	12	12	21	20	20	
56	Kien Giang	4,442	2,439	1,047	956	6,995	3,497	1,820	1,678	7,293	3,601	1,954	1,738	55	50	49	24	26	27	22	24	24	
57	Can Tho	5,049	2,560	872	1,617	8,114	3,354	1,940	2,821	8,590	3,222	2,276	3,092	51	41	38	17	24	26	32	35	36	
58	Tra Vinh	2,233	1,654	160	419	4,079	2,889	240	951	4,124	2,889	285	951	74	71	70	7	6	7	19	23	23	
59	Soc Trang	2,956	2,050	372	535	4,770	3,044	738	988	4,961	2,978	950	1,033	69	64	60	13	15	19	18	21	21	
60	Bac Lieu	1,792	1,198	269	326	2,745	1,724	467	554	3,135	1,891	556	688	67	63	60	15	17	18	18	20	22	
61	Ca Mau	3,486	2,348	575	563	5,107	3,051	1,045	1,011	5,895	3,534	1,222	1,139	67	60	60	16	20	21	16	20	19	
Total		194,629	72,414	46,155	76,060	322,228	102,186	91,540	128,502	345,298	104,739	106,010	134,548	37	32	30	24	28	31	39	40	39	

Source: - Socio-economic Statistical Data of 61 Provinces and Cities in Vietnam, 2nd Edition, GSO

- Socio-economic Statistical Data of 61 Provinces and Cities in Vietnam, 3rd Edition, 2001, GSO

Note: *: Since GRDP of Binh Duong Province in 1995 is not available, the figures in the table are those of 1996.

Table E.22 Gross Output of Agriculture, Forestry, and Fishery of Provinces in River Basins

(1/2)

No.	River Basin/ Province	Gross Output at Current Price																				
		1996							1997							1998						
		Agriculture		Forestry		Fishery		Total	Agriculture		Forestry		Fishery		Total	Agriculture		Forestry		Fishery		Total
		Billion VND	%	Billion VND	%	Billion VND	%	Billion VND	Billion VND	%	Billion VND	%	Billion VND	%	Billion VND	Billion VND	%	Billion VND	%	Billion VND	%	Billion VND
I.	Bang Giang & Ky Cung Rivers	1,438.6	82	309.5	18	2.9	0	1,751.0	1,550.9	81	363.8	19	2.8	0	1,917.5	1,663.9	81	376.1	18	5.9	0	2,045.9
11	Cao Bang	643.1	85	107.0	14	2.1	0	752.2	665.5	83	130.7	16	1.9	0	798.1	698.8	83	141.1	17	3.5	0	843.4
14	Lang Son	795.5	80	202.5	20	0.8	0	998.8	885.4	79	233.1	21	0.9	0	1,119.4	965.1	80	235.0	20	2.4	0	1,202.5
II.	Red and Thai Binh Rivers	28,063.0	89	1,978.8	6	1,393.1	4	31,434.9	29,765.6	90	1,838.0	6	1,447.1	4	33,050.7	32,978.9	90	2,010.9	5	1,670.9	5	36,660.7
(1)	Red River Delta	20,063.1	93	385.5	2	1,058.1	5	21,506.7	20,969.5	94	307.3	1	1,072.4	5	22,349.2	23,516.5	94	317.3	1	1,271.1	5	25,104.9
1	Ha Noi	1,097.0	94	12.9	1	57.5	5	1,167.4	1,271.5	94	13.4	1	61.4	5	1,346.3	1,360.5	94	16.4	1	63.4	4	1,440.3
2	Hai Phong	1,525.1	84	42.7	2	238.3	13	1,806.1	1,699.1	85	45.3	2	246.9	12	1,991.3	1,852.0	85	42.5	2	276.0	13	2,170.5
19	Vinh Phuc	1,005.7	91	56.0	5	42.0	4	1,103.7	1,137.9	92	61.3	5	41.2	3	1,240.4	1,228.9	93	56.6	4	43.0	3	1,328.5
3	Ha Tay	2,716.5	95	42.3	1	101.0	4	2,859.8	2,835.9	95	33.5	1	102.4	3	2,971.8	3,147.8	96	36.1	1	96.2	3	3,280.1
21	Bac Ninh	1,068.4	96	13.8	1	30.4	3	1,112.6	1,132.7	95	12.7	1	44.1	4	1,189.5	1,246.0	95	13.4	1	53.7	4	1,313.1
4	Hai Duong	2,570.4	93	80.5	3	110.7	4	2,761.6	2,564.7	96	15.5	1	81.8	3	2,662.0	2,898.1	96	15.6	1	95.3	3	3,009.0
5	Hung Yen	2,234.4	96	33.0	1	49.0	2	2,316.4	2,086.1	96	29.4	1	57.9	3	2,173.4	2,378.2	96	34.2	1	65.6	3	2,478.0
6	Ha Nam	1,101.9	96	19.5	2	23.8	2	1,145.2	1,204.0	96	20.7	2	23.8	2	1,248.5	1,384.5	97	18.5	1	26.8	2	1,429.8
7	Nam Dinh	2,307.8	92	34.4	1	163.6	7	2,505.8	2,486.9	91	30.4	1	206.6	8	2,723.9	2,810.2	91	28.1	1	241.6	8	3,079.9
8	Thai Binh	3,427.4	93	25.9	1	217.8	6	3,671.1	3,429.0	95	25.3	1	171.0	5	3,625.3	3,909.1	93	36.5	1	264.7	6	4,210.3
9	Ninh Binh	1,008.5	95	24.5	2	24.1	2	1,057.1	1,121.7	95	19.8	2	35.3	3	1,176.8	1,301.2	95	19.4	1	44.9	3	1,365.5
(2)	Other areas in the basin	7,999.9	81	1,593.3	16	335.0	3	9,928.2	8,796.1	82	1,530.7	14	374.7	4	10,701.5	9,462.4	82	1,693.6	15	399.7	3	11,555.7
10	Ha Giang	354.4	72	127.2	26	9.1	2	490.7	372.3	76	108.4	22	9.7	2	490.4	431.9	77	118.5	21	10.9	2	561.3
12	Lao Cai	433.7	70	183.9	29	6.3	1	623.9	476.9	76	143.9	23	6.6	1	627.4	510.3	77	147.9	22	6.8	1	665.0
13	Bac Kan	209.1	86	30.5	13	2.8	1	242.4	233.6	83	44.9	16	3.0	1	281.5	261.6	82	54.3	17	3.0	1	318.9
15	Tuyen Quang	585.4	83	103.9	15	12.3	2	701.6	639.7	82	125.5	16	13.8	2	779.0	729.3	83	138.5	16	14.4	2	882.2
16	Yen Bai	558.2	85	95.8	15	5.7	1	659.7	618.2	83	120.6	16	5.9	1	744.7	673.8	77	191.7	22	6.4	1	871.9
17	Thai Nguyen	856.7	92	59.6	6	11.7	1	928.0	927.4	94	51.0	5	11.7	1	990.1	992.3	93	48.9	5	27.3	3	1,068.5
18	Phu Tho	941.5	82	161.9	14	49.1	4	1,152.5	1,065.3	85	144.3	11	48.5	4	1,258.1	1,171.8	85	143.7	10	57.5	4	1,373.0
20	Bac Giang	1,722.4	91	119.0	6	53.5	3	1,894.9	1,846.0	90	137.4	7	56.5	3	2,039.9	1,938.3	91	143.5	7	57.7	3	2,139.5
22	Quang Ninh	607.7	72	112.8	13	122.4	15	842.9	680.8	74	82.0	9	156.3	17	919.1	721.6	75	77.5	8	169.0	17	968.1
23	Lai Chau	365.6	60	240.0	39	6.6	1	612.2	397.6	67	192.8	32	6.8	1	597.2	441.3	68	198.7	31	6.9	1	646.9
24	Son La	756.6	77	179.5	18	42.8	4	978.9	865.3	75	243.4	21	43.6	4	1,152.3	856.6	75	266.1	23	25.6	2	1,148.3
25	Hoa Binh	608.6	76	179.2	22	12.8	2	800.6	673.0	82	136.5	17	12.2	1	821.7	733.6	80	164.3	18	14.3	2	912.2
III.	Ma River	2,867.6	80	441.0	12	269.9	8	3,578.5	3,429.7	81	454.1	11	371.6	9	4,255.4	3,875.6	83	366.9	8	415.1	9	4,657.6
26	Thanh Hoa	2,867.6	80	441.0	12	269.9	8	3,578.5	3,429.7	81	454.1	11	371.6	9	4,255.4	3,875.6	83	366.9	8	415.1	9	4,657.6
IV.	Ca River	3,994.3	80	635.0	13	394.3	8	5,023.6	4,797.1	81	672.2	11	427.9	7	5,897.2	4,956.3	81	710.0	12	454.2	7	6,120.5
27	Nghe An	2,567.2	79	478.8	15	222.8	7	3,268.8	2,818.5	79	503.5	14	251.6	7	3,573.6	3,156.7	80	536.0	13	277.7	7	3,970.4
28	Ha Tinh	1,427.1	81	156.2	9	171.5	10	1,754.8	1,978.6	85	168.7	7	176.2	8	2,323.5	1,799.6	84	174.0	8	176.5	8	2,150.1
V.	Thach Han River	525.5	72	78.7	11	120.8	17	725.0	603.9	75	59.6	7	141.2	18	804.7	591.8	77	59.0	8	122.7	16	773.5
30	Quang Tri	525.5	72	78.7	11	120.8	17	725.0	603.9	75	59.6	7	141.2	18	804.7	591.8	77	59.0	8	122.7	16	773.5
VI.	Huong River	670.5	70	133.6	14	154.4	16	958.5	707.2	68	144.6	14	191.3	18	1,043.1	806.2	70	159.6	14	192.0	17	1,157.8
31	Thua Thien - Hue	670.5	70	133.6	14	154.4	16	958.5	707.2	68	144.6	14	191.3	18	1,043.1	806.2	70	159.6	14	192.0	17	1,157.8
VII.	Vu Gia-Thu Bon Rivers	1,279.4	69	177.9	10	385.9	21	1,843.2	1,336.3	68	179.4	9	436.1	22	1,951.8	1,525.3	69	182.6	8	497.5	23	2,205.4
32	Da Nang	190.1	51	26.1	7	159.9	43	376.1	198.3	50	25.0	6	176.6	44	399.9	228.0	49	23.7	5	218.1	46	469.8
33	Quang Nam	1,089.3	74	151.8	10	226.0	15	1,467.1	1,138.0	73	154.4	10	259.5	17	1,551.9	1,297.3	75	158.9	9	279.4	16	1,735.6

Table E.22 Gross Output of Agriculture, Forestry, and Fishery of Provinces in River Basins

(2/2)

No.	River Basin/ Province	Gross Output at Current Price																							
		1996								1997								1998							
		Agriculture		Forestry		Fishery		Total	Agriculture		Forestry		Fishery		Total	Agriculture		Forestry		Fishery		Total			
		Billion VND	%	Billion VND	%	Billion VND	%	Billion VND	Billion VND	%	Billion VND	%	Billion VND	%	Billion VND	Billion VND	%	Billion VND	%	Billion VND	%	Billion VND			
VIII. 34	Tra Khuc River Quang Ngai	1,105.7	74	88.7	6	291.9	20	1,486.3	1,120.8	73	84.3	5	335.0	22	1,540.1	1,277.7	73	87.6	5	386.2	22	1,751.5			
		1,105.7	74	88.7	6	291.9	20	1,486.3	1,120.8	73	84.3	5	335.0	22	1,540.1	1,277.7	73	87.6	5	386.2	22	1,751.5			
IX. 35	Kone River Binh Dinh	1,289.9	69	112.8	6	480.0	25	1,882.7	1,385.5	67	120.2	6	555.5	27	2,061.2	1,565.6	69	119.0	5	599.1	26	2,283.7			
		1,289.9	69	112.8	6	480.0	25	1,882.7	1,385.5	67	120.2	6	555.5	27	2,061.2	1,565.6	69	119.0	5	599.1	26	2,283.7			
X. 36 39	Ba River Phu Yen Gia Lai	1,738.0	83	166.9	8	195.9	9	2,100.8	2,001.5	81	154.8	6	310.4	13	2,466.7	2,406.3	82	160.5	5	370.4	13	2,937.2			
		837.1	78	45.0	4	194.1	18	1,076.2	868.9	72	36.2	3	308.5	25	1,213.6	990.5	71	35.0	3	368.7	26	1,394.2			
		900.9	88	121.9	12	1.8	0	1,024.6	1,132.6	90	118.6	9	1.9	0	1,253.1	1,415.8	92	125.5	8	1.8	0	1,543.1			
XI. 41 42 44 45 46 47 48	Dong Nai River Ho Chi Minh City Lam Dong Binh Phuoc Tay Ninh Binh Duong Dong Nai Binh Thuan	10,926.3	89	446.3	4	953.0	8	12,325.6	12,251.2	89	472.1	3	1,025.0	7	13,748.3	13,660.0	90	447.5	3	1,105.7	7	15,213.2			
		1,519.0	82	85.5	5	244.7	13	1,849.2	1,686.8	83	84.9	4	251.9	12	2,023.6	1,788.0	84	95.5	4	247.4	12	2,130.9			
		1,395.4	92	98.9	7	20.7	1	1,515.0	1,804.9	93	110.3	6	18.7	1	1,933.9	2,220.0	95	105.7	5	21.9	1	2,347.6			
		884.5	91	70.9	7	13.3	1	968.7	1,038.4	91	85.5	8	15.2	1	1,139.1	1,183.8	96	38.4	3	14.1	1	1,236.3			
		1,666.6	98	13.2	1	27.5	2	1,707.3	1,841.6	98	13.8	1	28.7	2	1,884.1	2,099.4	98	15.1	1	31.4	1	2,145.9			
		894.9	96	27.0	3	5.9	1	927.8	1,044.7	96	39.7	4	6.2	1	1,090.6	1,149.2	96	40.2	3	6.3	1	1,195.7			
		3,614.3	95	80.8	2	105.9	3	3,801.0	3,785.7	95	65.5	2	113.5	3	3,964.7	4,034.1	94	70.3	2	184.9	4	4,289.3			
		951.6	61	70.0	4	534.8	34	1,556.4	1,049.1	61	72.4	4	590.8	35	1,712.3	1,185.5	63	82.3	4	599.7	32	1,867.5			
		XII. 38	Se San River Kon Tum	253.7	77	73.3	22	1.8	1	328.8	331.7	81	72.7	18	2.7	1	407.1	401.4	84	73.5	15	2.3	0	477.2	
253.7	77			73.3	22	1.8	1	328.8	331.7	81	72.7	18	2.7	1	407.1	401.4	84	73.5	15	2.3	0	477.2			
XIII. 40	Srepok River Dak Lak	3,543.2	92	243.4	6	51.0	1	3,837.6	4,164.7	92	291.0	6	47.3	1	4,503.0	5,330.8	95	217.4	4	52.6	1	5,600.8			
		3,543.2	92	243.4	6	51.0	1	3,837.6	4,164.7	92	291.0	6	47.3	1	4,503.0	5,330.8	95	217.4	4	52.6	1	5,600.8			
XIV. 50 51 52 53 54 55 56 57 58 59 60 61	Cuu Long River Delta Long An Dong Thap An Giang Tien Giang Vinh Long Ben Tre Kien Giang Can Tho Tra Vinh Soc Trang Bac Lieu Ca Mau	31,593.5	75	830.0	2	9,445.1	23	41,868.6	32,758.1	74	1,080.8	2	10,228.5	23	44,067.4	39,148.9	76	1,213.4	2	11,186.0	22	51,548.3			
		2,898.2	89	164.6	5	183.9	6	3,246.7	3,047.6	89	195.7	6	192.4	6	3,435.7	3,718.1	90	207.9	5	225.9	5	4,151.9			
		3,083.4	85	123.0	3	401.5	11	3,607.9	3,152.9	84	156.7	4	452.1	12	3,761.7	3,752.0	84	260.9	6	441.1	10	4,454.0			
		3,962.3	84	57.7	1	724.3	15	4,744.3	4,021.2	85	59.0	1	672.5	14	4,752.7	4,698.2	86	81.8	1	700.5	13	5,480.5			
		3,627.5	82	107.0	2	679.5	15	4,414.0	3,841.8	83	96.8	2	683.4	15	4,622.0	4,264.4	83	97.9	2	787.8	15	5,150.1			
		2,233.7	94	29.5	1	104.0	4	2,367.2	2,343.1	94	31.0	1	109.2	4	2,483.3	2,764.9	95	32.7	1	113.9	4	2,911.5			
		2,159.5	70	47.0	2	880.9	29	3,087.4	2,341.1	66	44.5	1	1,135.4	32	3,521.0	2,715.7	70	43.1	1	1,112.6	29	3,871.4			
		2,916.1	72	63.0	2	1,059.8	26	4,038.9	3,021.2	72	58.8	1	1,114.3	27	4,194.3	3,685.9	74	43.7	1	1,278.0	26	5,007.6			
		3,755.2	93	57.3	1	214.2	5	4,026.7	3,811.5	92	66.9	2	244.0	6	4,122.4	4,772.0	94	74.1	1	237.5	5	5,083.6			
		1,961.8	68	13.8	0	927.7	32	2,903.3	1,997.0	71	71.3	3	751.0	27	2,819.3	2,196.7	68	71.3	2	952.5	30	3,220.5			
		2,431.2	76	41.5	1	732.4	23	3,205.1	2,518.1	73	46.1	1	873.7	25	3,437.9	3,172.8	77	53.2	1	894.0	22	4,120.0			
		1,064.3	59	6.7	0	735.6	41	1,806.6	1,142.7	56	9.8	0	887.9	44	2,040.4	1,462.7	58	11.2	0	1,065.2	42	2,539.1			
		1,500.3	34	118.9	3	2,801.2	63	4,420.4	1,519.9	31	244.2	5	3,112.5	64	4,876.6	1,945.5	35	235.6	4	3,376.9	61	5,558.0			

Source: - Statistical Data of Vietnam, Agriculture, Forestry and Fishery 1975 - 2000, A35GSO

Table E.23 Gross Output of Industry of Provinces in River Basins

No.	River Basin/ Province	Gross Output of Industry (Billion VND)						Growth Rate	
		At Current Price			At 1994 Constant Price			(% Year on Year)	
		1998	1999	2000*	1998	1999	2000*	98-99	99-2000
I.	Bang Giang & Ky Cung Rivers	320	499	545	232	296	339	27.9	14.4
11	Cao Bang	126	186	200	83	136	156	62.8	15.0
14	Lang Son	195	313	345	148	161	183	8.3	13.9
II.	Red and Thai Binh Rivers	51,977	58,832	69,039	37,487	42,365	49,844	13.0	17.7
(1)	Red River Delta	39,350	45,843	54,176	28,811	33,069	39,363	14.8	19.0
1	Ha Noi	15,992	17,401	19,646	12,206	13,206	15,219	8.2	15.2
2	Hai Phong	6,771	8,083	9,759	5,682	6,685	8,028	17.7	20.1
19	Vinh Phuc	3,119	3,751	5,350	1,471	1,793	2,836	21.9	58.2
3	Ha Tay	2,953	3,464	3,850	2,098	2,341	2,668	11.6	14.0
21	Bac Ninh	756	1,449	2,092	635	1,103	1,542	73.7	39.8
4	Hai Duong	3,319	2,822	3,370	2,694	2,566	2,959	-4.7	15.3
5	Hung Yen	2,537	2,612	3,170	711	1,485	1,792	108.8	20.7
6	Ha Nam	536	2,612	3,082	422	815	981	93.0	20.3
7	Nam Dinh	1,462	1,522	1,631	1,228	1,327	1,482	8.1	11.6
8	Thai Binh	1,448	1,629	1,701	1,238	1,307	1,378	5.6	5.4
9	Ninh Binh	457	498	526	426	440	479	3.4	8.7
(2)	Other areas in the basin	12,628	12,989	14,863	8,677	9,297	10,481	7.1	12.7
10	Ha Giang	93	105	111	72	79	90	10.3	14.0
12	Lao Cai	306	328	330	211	247	289	17.0	17.0
13	Bac Kan	38	49	55	23	28	30	21.8	7.2
15	Tuyen Quang	276	246	355	234	226	256	-3.4	13.6
16	Yen Bai	326	385	477	249	273	320	9.9	17.0
17	Thai Nguyen	1,965	1,900	2,234	1,683	1,679	1,901	-0.2	13.2
18	Phu Tho	3,119	3,474	3,987	2,363	2,708	3,046	14.6	12.5
20	Bac Giang	442	435	536	439	418	516	-4.9	23.4
22	Quang Ninh	5,428	5,405	6,032	2,910	3,140	3,504	7.9	11.6
23	Lai Chau	210	241	260	137	155	154	12.7	-0.5
24	Son La	157	192	207	100	122	132	21.6	8.6
25	Hoa Binh	268	232	277	256	222	242	-13.3	8.8
III.	Ma River	2,480	2,403	3,841	2,242	2,360	3,773	5.3	59.9
26	Thanh Hoa	2,480	2,403	3,841	2,242	2,360	3,773	5.3	59.9
IV.	Ca River	1,490	1,634	2,014	1,112	1,186	1,387	6.6	17.0
27	Nghe An	1,013	1,093	1,394	799	855	1,029	7.0	20.3
28	Ha Tinh	477	542	621	313	330	359	5.5	8.6
V.	Thach Han River	269	269	328	205	216	250	5.1	16.2
30	Quang Tri	269	269	328	205	216	250	5.1	16.2
VI.	Huong River	1,314	1,577	1,616	930	1,052	1,206	13.1	14.6
31	Thua Thien - Hue	1,314	1,577	1,616	930	1,052	1,206	13.1	14.6
VII.	Vu Gia-Thu Bon River	3,623	4,699	5,705	2,746	3,225	3,721	17.5	15.4
32	Da Nang	2,755	3,649	4,182	2,059	2,449	2,806	18.9	14.6
33	Quang Nam	868	1,050	1,523	687	777	915	13.1	17.8
VIII.	Tra Khuc River	998	915	1,252	853	874	951	2.4	8.9
34	Quang Ngai	998	915	1,252	853	874	951	2.4	8.9
IX.	Kone River	1,181	1,545	2,283	808	971	1,239	20.2	27.6
35	Binh Dinh	1,181	1,545	2,283	808	971	1,239	20.2	27.6
X.	Ba River	1,085	1,389	1,784	857	978	1,159	14.2	18.5
36	Phu Yen	595	841	1,118	515	609	735	18.2	20.6
39	Gia Lai	490	548	666	342	369	425	8.0	15.1
XI.	Dong Nai River	90,413	101,931	118,487	58,121	63,615	74,002	9.5	16.3
41	Ho Chi Minh City	68,017	73,706	85,319	41,058	43,777	50,419	6.6	15.2
42	Lam Dong	978	1,149	1,220	681	763	813	12.0	6.6
44	Binh Phuoc	239	342	565	143	234	266	64.1	13.9
45	Tay Ninh	1,032	1,393	1,450	742	963	1,012	29.8	5.1
46	Binh Duong	6,512	9,232	10,900	4,277	5,107	6,502	19.4	27.3
47	Dong Nai **	12,865	15,261	18,083	10,630	12,134	14,202	14.1	17.0
48	Binh Thuan	769	848	950	590	638	788	8.1	23.5
XII.	Se San River	140	144	178	116	135	165	16.6	22.1
38	Kon Tum	140	144	178	116	135	165	16.6	22.1
XIII.	Srepok River	508	736	800	391	445	502	13.8	12.8
40	Dak Lak	508	736	800	391	445	502	13.8	12.8
XIV.	Cuu Long River Delta	21,567	23,589	28,648	15,410	16,445	18,667	6.7	13.5
50	Long An	2,395	2,826	3,025	1,430	1,746	1,997	22.1	14.4
51	Dong Thap	1,206	1,345	1,451	846	918	1,046	8.5	13.9
52	An Giang	1,570	1,746	1,891	1,173	1,253	1,357	6.9	8.3
53	Tien Giang	1,583	1,863	2,367	898	973	1,046	8.5	7.5
54	Vinh Long	812	960	1,164	638	705	830	10.5	17.6
55	Ben Tre	1,104	1,187	1,376	779	831	895	6.6	7.7
56	Kien Giang	3,145	3,222	3,480	2,484	2,461	2,643	-0.9	7.4
57	Can Tho	3,646	4,139	5,550	2,998	3,390	3,956	13.1	16.7
58	Tra Vinh	758	687	734	591	561	583	-5.1	3.9
59	Soc Trang	2,207	2,305	3,158	1,469	1,456	1,668	-0.9	14.5
60	Bac Lieu	629	582	685	552	516	638	-6.5	23.7
61	Ca Mau	2,511	2,727	3,769	1,552	1,634	2,010	5.3	23.0

Source: - Socio-economic Statistical Data of 61 Provinces and Cities in Vietnam, 3rd Edition, 2001, GSO

Note * : The figures in the year 2000 are preliminary.

** : The output of Dong Nai Province at current price was estimated by the study team from the outputs at 1994 constant price.

Table E.24 Retail Sales of Goods and Services of Provinces in River Basins

No.	River Basin/ Province	Retail Sales of Goods and Services											
		At Current Price (Billion VND)						Share in the national value (%)					
		1995	1996	1997	1998	1999	2000	1995	1996	1997	1998	1999	2000
I.	Bang Giang & Ky Cung Rivers	689	905	1,047	933	1,200	1,273	0.6	0.6	0.6	0.5	0.6	0.6
11	Cao Bang	238	324	343	442	467	482	0.2	0.2	0.2	0.2	0.2	0.2
14	Lang Son	451	581	705	492	733	790	0.4	0.4	0.4	0.3	0.4	0.4
II.	Red and Thai Binh Rivers	28,790	36,458	38,969	44,623	47,827	52,274	23.8	25.0	24.1	24.0	23.8	23.8
(1)	Red River Delta	22,155	27,140	29,049	33,024	36,619	39,822	18.3	18.6	17.9	17.8	18.2	18.2
1	Ha Noi	12,190	13,917	14,710	15,968	17,743	19,385	10.1	9.5	9.1	8.6	8.8	8.8
2	Hai Phong	2,964	3,163	3,178	3,204	3,277	3,778	2.4	2.2	2.0	1.7	1.6	1.7
19	Vinh Phuc	995	1,279	1,226	1,816	2,009	2,090	0.8	0.9	0.8	1.0	1.0	1.0
3	Ha Tay	1,317	1,673	1,771	2,287	2,437	2,751	1.1	1.1	1.1	1.2	1.2	1.3
21	Bac Ninh	287	539	703	974	1,223	1,445	0.2	0.4	0.4	0.5	0.6	0.7
4	Hai Duong	818	1,476	1,909	2,170	2,843	2,999	0.7	1.0	1.2	1.2	1.4	1.4
5	Hung Yen	421	715	913	1,086	1,265	1,360	0.3	0.5	0.6	0.6	0.6	0.6
6	Ha Nam	461	725	917	1,160	1,276	1,280	0.4	0.5	0.6	0.6	0.6	0.6
7	Nam Dinh	1,230	1,765	1,834	2,320	2,386	2,404	1.0	1.2	1.1	1.2	1.2	1.1
8	Thai Binh	1,005	1,308	1,196	1,200	1,198	1,210	0.8	0.9	0.7	0.6	0.6	0.6
9	Ninh Binh	468	580	691	840	965	1,120	0.4	0.4	0.4	0.5	0.5	0.5
(2)	Other areas in the basin	6,635	9,318	9,920	11,599	11,207	12,452	5.5	6.4	6.1	6.2	5.6	5.7
10	Ha Giang	142	177	211	216	246	314	0.1	0.1	0.1	0.1	0.1	0.1
12	Lao Cai	246	294	374	415	455	504	0.2	0.2	0.2	0.2	0.2	0.2
13	Bac Kan	117	183	110	228	273	275	0.1	0.1	0.1	0.1	0.1	0.1
15	Tuyen Quang	339	581	705	548	619	697	0.3	0.4	0.4	0.3	0.3	0.3
16	Yen Bai	381	439	470	473	523	603	0.3	0.3	0.3	0.3	0.3	0.3
17	Thai Nguyen	859	1,053	1,239	1,175	1,142	1,243	0.7	0.7	0.8	0.6	0.6	0.6
18	Phu Tho	1,140	1,457	1,668	1,710	1,720	1,863	0.9	1.0	1.0	0.9	0.9	0.8
20	Bac Giang	516	1,028	1,019	1,438	1,201	1,311	0.4	0.7	0.6	0.8	0.6	0.6
22	Quang Ninh	1,594	2,489	2,588	3,594	3,127	3,553	1.3	1.7	1.6	1.9	1.6	1.6
23	Lai Chau	326	467	443	509	553	597	0.3	0.3	0.3	0.3	0.3	0.3
24	Son La	537	695	663	842	906	1,043	0.4	0.5	0.4	0.5	0.5	0.5
25	Hoa Binh	440	456	432	452	443	449	0.4	0.3	0.3	0.2	0.2	0.2
III.	Ma River	2,668	2,696	2,962	3,404	3,566	3,736	2.2	1.8	1.8	1.8	1.8	1.7
26	Thanh Hoa	2,668	2,696	2,962	3,404	3,566	3,736	2.2	1.8	1.8	1.8	1.8	1.7
IV.	Ca River	3,344	4,288	5,086	5,339	5,903	6,593	2.8	2.9	3.1	2.9	2.9	3.0
27	Nghe An	2,441	3,286	4,046	4,245	4,898	5,055	2.0	2.3	2.5	2.3	2.4	2.3
28	Ha Tinh	903	1,002	1,040	1,094	1,005	1,538	0.7	0.7	0.6	0.6	0.5	0.7
V.	Thach Han River	624	863	994	913	898	1,064	0.5	0.6	0.6	0.5	0.4	0.5
30	Quang Tri	624	863	994	913	898	1,064	0.5	0.6	0.6	0.5	0.4	0.5
VI.	Huong River	1,093	1,344	1,522	1,713	1,769	1,967	0.9	0.9	0.9	0.9	0.9	0.9
31	Thua Thien - Hue	1,093	1,344	1,522	1,713	1,769	1,967	0.9	0.9	0.9	0.9	0.9	0.9
VII.	Vu Gia-Thu Bon River	4,701	5,511	6,530	7,082	7,729	10,206	3.9	3.8	4.0	3.8	3.8	4.7
32	Da Nang	3,691	4,519	5,316	5,660	6,226	8,494	3.0	3.1	3.3	3.0	3.1	3.9
33	Quang Nam	1,009	992	1,214	1,422	1,503	1,712	0.8	0.7	0.7	0.8	0.7	0.8
VIII.	Tra Khuc River	829	974	1,257	1,771	1,814	1,973	0.7	0.7	0.8	1.0	0.9	0.9
34	Quang Ngai	829	974	1,257	1,771	1,814	1,973	0.7	0.7	0.8	1.0	0.9	0.9
IX.	Kone River	2,707	3,116	3,313	3,695	4,121	4,425	2.2	2.1	2.0	2.0	2.1	2.0
35	Binh Dinh	2,707	3,116	3,313	3,695	4,121	4,425	2.2	2.1	2.0	2.0	2.1	2.0
X.	Ba River	1,764	1,954	2,247	2,379	2,694	2,963	1.5	1.3	1.4	1.3	1.3	1.4
36	Phu Yen	933	1,041	1,139	1,182	1,336	1,450	0.8	0.7	0.7	0.6	0.7	0.7
39	Gia Lai	832	913	1,108	1,197	1,358	1,513	0.7	0.6	0.7	0.6	0.7	0.7
XI.	Dong Nai River	43,581	51,703	55,791	66,191	70,697	75,804	36.0	35.4	34.5	35.7	35.2	34.6
41	Ho Chi Minh City	34,100	40,448	43,292	52,600	54,200	57,000	28.1	27.7	26.7	28.3	27.0	26.0
42	Lam Dong	950	1,037	1,082	1,258	1,465	1,700	0.8	0.7	0.7	0.7	0.7	0.8
44	Binh Phuoc	1,049	738	825	1,081	1,203	1,300	0.9	0.5	0.5	0.6	0.6	0.6
45	Tay Ninh	1,401	2,138	2,511	2,170	4,356	4,634	1.2	1.5	1.6	1.2	2.2	2.1
46	Binh Duong	1,942	2,743	2,906	3,058	3,320	3,983	1.6	1.9	1.8	1.6	1.7	1.8
47	Dong Nai	2,942	3,232	3,568	3,951	4,028	4,490	2.4	2.2	2.2	2.1	2.0	2.0
48	Binh Thuan	1,198	1,369	1,607	2,073	2,126	2,697	1.0	0.9	1.0	1.1	1.1	1.2
XII.	Se San River	152	178	269	336	394	475	0.1	0.1	0.2	0.2	0.2	0.2
38	Kon Tum	152	178	269	336	394	475	0.1	0.1	0.2	0.2	0.2	0.2
XIII.	Srepok River	1,316	1,513	1,886	2,481	3,250	3,863	1.1	1.0	1.2	1.3	1.6	1.8
40	Dak Lak	1,316	1,513	1,886	2,481	3,250	3,863	1.1	1.0	1.2	1.3	1.6	1.8
XIV.	Cuu Long River Delta	23,865	27,333	31,780	35,508	38,757	43,352	19.7	18.7	19.6	19.1	19.3	19.8
50	Long An	1,869	2,333	2,604	2,664	3,005	3,430	1.5	1.6	1.6	1.4	1.5	1.6
51	Dong Thap	1,908	2,306	2,788	2,957	3,324	3,685	1.6	1.6	1.7	1.6	1.7	1.7
52	An Giang	5,563	5,629	7,004	7,573	7,276	7,562	4.6	3.9	4.3	4.1	3.6	3.4
53	Tien Giang	2,012	2,512	3,067	3,982	4,482	5,141	1.7	1.7	1.9	2.1	2.2	2.3
54	Vinh Long	1,688	1,997	2,127	2,335	2,515	2,694	1.4	1.4	1.3	1.3	1.3	1.2
55	Ben Tre	787	1,021	1,345	1,171	1,409	1,510	0.6	0.7	0.8	0.6	0.7	0.7
56	Kien Giang	2,954	3,322	3,861	4,455	5,340	5,304	2.4	2.3	2.4	2.4	2.7	2.4
57	Can Tho	3,089	3,403	3,614	4,021	4,542	5,846	2.5	2.3	2.2	2.2	2.3	2.7
58	Tra Vinh	572	864	1,141	1,350	1,453	1,486	0.5	0.6	0.7	0.7	0.7	0.7
59	Soc Trang	1,012	1,161	1,282	1,498	1,589	1,708	0.8	0.8	0.8	0.8	0.8	0.8
60	Bac Lieu	1,009	1,010	1,180	1,400	1,447	2,225	0.8	0.7	0.7	0.8	0.7	1.0
61	Ca Mau	1,403	1,776	1,769	2,103	2,375	2,762	1.2	1.2	1.1	1.1	1.2	1.3
National Total **		121,160	145,874	161,900	185,598	200,924	219,400	100	100	100	100	100	100

Source: - Socio-economic Statistical Data of 61 Provinces and Cities in Vietnam, 3rd Edition, 2001, GSO

- Socio-economic Statistical Data of 61 Provinces and Cities in Vietnam, 2nd Edition, GSO - Statistical Yearbook 2000, GSO

Note * : The figures in the year 2000 are preliminary.

**: National Total is different from the total of 14 river basins, since some provinces are not included in the 14 river basins.

Table E.25 Population Projection by Province, Urban, and Rural

(1/2)

No.	River Basin/Province	2000 (1,000 persons)			2001 (1,000 persons)			2005 (1,000 persons)			2010 (1,000 persons)			2015 (1,000 persons)			2020 (1,000 persons)		
		Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural
I.	Bang Giang & Ky Cung Rivers	1,220	202	1,018	1,234	204	1,030	1,291	211	1,080	1,366	222	1,144	1,445	233	1,212	1,530	245	1,285
11	Cao Bang	495	66	429	501	66	435	528	68	460	563	71	492	600	74	526	641	78	563
14	Lang Son	725	136	589	733	138	595	763	143	620	803	151	652	845	159	686	889	167	722
II.	Red and Thai Binh Rivers	27,171	5,182	21,989	27,588	5,306	22,282	29,409	6,650	22,759	31,495	8,445	23,050	33,463	9,622	23,841	35,726	11,009	24,717
(1)	Red River Delta	17,127	3,498	13,629	17,360	3,585	13,775	18,311	4,567	13,744	19,394	5,842	13,552	20,425	6,668	13,757	21,649	7,646	14,003
1	Ha Noi	2,734	1,579	1,155	2,763	1,594	1,169	3,000	1,750	1,250	3,200	1,925	1,275	3,476	2,194	1,282	3,790	2,500	1,290
2	Hai Phong	1,700	580	1,120	1,719	586	1,133	1,807	850	957	1,916	1,100	816	2,017	1,158	859	2,125	1,220	905
19	Vinh Phuc	1,110	120	990	1,124	121	1,003	1,186	128	1,058	1,267	137	1,130	1,354	146	1,208	1,447	156	1,291
3	Ha Tay	2,411	197	2,214	2,464	204	2,260	2,533	380	2,153	2,649	662	1,987	2,688	861	1,827	2,798	1,119	1,679
21	Bac Ninh	951	90	861	963	91	872	1,015	96	919	1,082	102	980	1,154	109	1,045	1,231	116	1,115
4	Hai Duong	1,663	230	1,433	1,677	233	1,444	1,740	280	1,460	1,830	350	1,480	1,902	437	1,465	1,995	545	1,450
5	Hung Yen	1,083	107	976	1,096	110	986	1,139	111	1,028	1,186	117	1,069	1,241	118	1,123	1,300	120	1,180
6	Ha Nam	857	129	728	869	130	739	900	180	720	955	287	668	1,016	313	703	1,080	341	739
7	Nam Dinh	1,915	239	1,676	1,933	245	1,688	2,033	259	1,774	2,129	268	1,861	2,212	305	1,907	2,300	346	1,954
8	Thai Binh	1,801	104	1,697	1,841	129	1,712	1,998	300	1,698	2,195	520	1,675	2,342	570	1,772	2,500	625	1,875
9	Ninh Binh	902	123	779	911	142	769	960	233	727	985	374	611	1,023	457	566	1,083	558	525
(2)	Other Areas in the Basin	10,044	1,684	8,360	10,228	1,721	8,507	11,098	2,083	9,015	12,101	2,603	9,498	13,038	2,954	10,084	14,077	3,363	10,714
10	Ha Giang	615	66	549	627	72	555	675	96	579	783	150	633	817	167	650	855	187	668
12	Lao Cai	616	104	512	646	113	533	780	156	624	866	238	628	1,004	289	715	1,165	350	815
13	Bac Kan	281	42	239	285	42	243	302	44	258	324	46	278	348	49	299	374	52	322
15	Tuyen Quang	686	62	624	696	62	634	733	66	667	773	67	706	792	68	724	811	69	742
16	Yen Bai	693	137	556	700	140	560	798	206	592	904	274	630	1,004	313	691	1,115	357	758
17	Thai Nguyen	1,068	241	827	1,078	243	835	1,122	253	869	1,181	267	914	1,243	281	962	1,307	295	1,012
18	Phu Tho	1,275	181	1,094	1,290	182	1,108	1,353	188	1,165	1,436	196	1,240	1,525	205	1,320	1,619	214	1,405
20	Bac Giang	1,507	123	1,384	1,522	124	1,398	1,664	184	1,480	1,790	196	1,594	1,918	209	1,709	2,055	222	1,833
22	Quang Ninh	1,019	451	568	1,033	457	576	1,096	484	612	1,164	514	650	1,252	582	670	1,350	660	690
23	Lai Chau	609	75	534	634	81	553	725	121	604	840	216	624	936	279	657	1,051	360	691
24	Son La	905	95	810	910	96	814	999	140	859	1,115	208	907	1,210	238	972	1,315	273	1,042
25	Hoa Binh	770	107	663	807	109	698	851	145	706	925	231	694	989	274	715	1,060	324	736
III.	Ma River	3,561	331	3,230	3,605	378	3,227	3,790	568	3,222	3,980	995	2,985	4,183	1,046	3,137	4,396	1,099	3,297
26	Thanh Hoa	3,561	331	3,230	3,605	378	3,227	3,790	568	3,222	3,980	995	2,985	4,183	1,046	3,137	4,396	1,099	3,297
IV.	Ca River	4,336	357	3,979	4,394	373	4,021	4,687	543	4,144	4,989	716	4,273	5,271	777	4,494	5,575	843	4,732
27	Nghe An	3,068	255	2,813	3,118	258	2,860	3,325	270	3,055	3,558	285	3,273	3,808	301	3,507	4,075	318	3,757
28	Ha Tinh	1,268	102	1,166	1,276	115	1,161	1,362	273	1,089	1,431	431	1,000	1,463	476	987	1,500	525	975
V.	Thach Han River	587	138	449	598	148	450	633	154	479	669	163	506	706	172	534	746	182	564
30	Quang Tri	587	138	449	598	148	450	633	154	479	669	163	506	706	172	534	746	182	564
VI.	Huong River	1,066	316	750	1,083	319	764	1,142	348	794	1,220	400	820	1,307	460	847	1,403	528	875
31	Thua Thien - Hue	1,066	316	750	1,083	319	764	1,142	348	794	1,220	400	820	1,307	460	847	1,403	528	875
VII.	Vu Gia-Thu Bon Rivers	2,112	775	1,337	2,133	790	1,343	2,246	859	1,387	2,415	975	1,440	2,518	1,035	1,483	2,619	1,096	1,523
32	Da Nang	717	566	151	733	579	154	802	633	169	930	734	196	982	775	207	1,038	819	219
33	Quang Nam	1,395	209	1,186	1,400	211	1,189	1,444	226	1,218	1,485	241	1,244	1,536	260	1,276	1,581	277	1,304

Table E.25 Population Projection by Province, Urban, and Rural

(2/2)

No.	River Basin/Province	2000 (1,000 persons)			2001 (1,000 persons)			2005 (1,000 persons)			2010 (1,000 persons)			2015 (1,000 persons)			2020 (1,000 persons)		
		Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural	Total	Urban	Rural
VIII.	Tra Khuc River	1,199	143	1,056	1,214	145	1,069	1,273	152	1,121	1,345	161	1,184	1,421	170	1,251	1,501	180	1,321
34	Quang Ngai	1,199	143	1,056	1,214	145	1,069	1,273	152	1,121	1,345	161	1,184	1,421	170	1,251	1,501	180	1,321
IX.	Kone River	1,486	358	1,128	1,503	363	1,140	1,573	387	1,186	1,684	437	1,247	1,793	483	1,310	1,910	533	1,377
35	Binh Dinh	1,486	358	1,128	1,503	363	1,140	1,573	387	1,186	1,684	437	1,247	1,793	483	1,310	1,910	533	1,377
X.	Ba River	1,793	401	1,392	1,834	423	1,411	2,003	486	1,517	2,255	629	1,626	2,378	664	1,714	2,507	700	1,807
36	Phu Yen	804	152	652	815	154	661	858	162	696	915	173	742	962	182	780	1,011	191	820
39	Gia Lai	989	249	740	1,019	269	750	1,145	324	821	1,340	456	884	1,416	482	934	1,496	509	987
XI.	Dong Nai River	11,718	5,299	6,420	11,966	5,465	6,501	13,616	6,664	6,952	15,231	7,866	7,365	16,266	8,600	7,666	17,381	9,404	7,977
41	Ho Chi Minh City	5,170	3,464	1,706	5,285	3,541	1,744	6,325	4,367	1,958	7,230	4,954	2,276	7,637	5,233	2,404	8,066	5,527	2,539
42	Lam Dong	1,038	402	637	1,065	419	646	1,181	496	685	1,340	604	736	1,511	726	785	1,679	849	830
44	Binh Phuoc	676	101	575	702	110	592	824	156	668	1,017	241	776	1,075	255	820	1,135	269	866
45	Tay Ninh	979	137	842	990	141	849	1,036	156	880	1,089	174	915	1,151	197	954	1,204	217	987
46	Binh Duong	742	241	501	761	266	495	841	370	471	951	509	442	1,064	649	415	1,217	827	390
47	Dong Nai	2,042	633	1,409	2,070	662	1,408	2,215	775	1,440	2,374	973	1,401	2,451	1,078	1,373	2,540	1,194	1,346
48	Binh Thuan	1,071	321	750	1,093	326	767	1,194	345	849	1,230	410	820	1,377	462	915	1,540	520	1,020
XII.	Se San River	328	105	223	338	226	112	380	247	133	420	260	160	480	281	199	550	303	247
38	Kon Tum	328	105	223	338	226	112	380	247	133	420	260	160	480	281	199	550	303	247
XIII.	Srepok River	1,882	396	1,486	1,940	412	1,528	2,190	484	1,706	2,549	614	1,935	2,935	764	2,171	3,325	925	2,400
40	Dak Lak	1,882	396	1,486	1,940	412	1,528	2,190	484	1,706	2,549	614	1,935	2,935	764	2,171	3,325	925	2,400
XIV.	Cuu Long River Delta	16,582	2,904	13,677	16,832	3,036	13,796	18,049	3,884	14,165	19,466	4,952	14,514	20,471	5,256	15,215	21,509	5,569	15,940
50	Long An	1,329	220	1,109	1,351	230	1,121	1,422	242	1,180	1,510	257	1,253	1,554	264	1,290	1,600	272	1,328
51	Dong Thap	1,581	230	1,350	1,597	236	1,361	1,667	260	1,407	1,744	287	1,457	1,831	320	1,511	1,896	345	1,551
52	An Giang	2,084	449	1,635	2,114	455	1,659	2,277	569	1,708	2,407	794	1,613	2,543	839	1,704	2,685	886	1,799
53	Tien Giang	1,821	255	1,566	1,841	277	1,564	1,945	389	1,556	2,059	453	1,606	2,174	478	1,696	2,297	505	1,792
54	Vinh Long	1,015	150	865	1,027	152	875	1,182	264	918	1,351	331	1,020	1,427	350	1,077	1,507	369	1,138
55	Ben Tre	1,316	123	1,193	1,331	127	1,204	1,364	143	1,221	1,455	167	1,288	1,536	176	1,360	1,623	186	1,437
56	Kien Giang	1,546	339	1,207	1,574	346	1,228	1,690	375	1,315	1,834	422	1,412	1,937	446	1,491	2,046	471	1,575
57	Can Tho	1,834	401	1,433	1,874	431	1,443	2,059	576	1,483	2,362	827	1,535	2,494	873	1,621	2,635	923	1,712
58	Tra Vinh	973	125	848	990	134	856	1,064	174	890	1,128	192	936	1,155	219	936	1,186	249	937
59	Soc Trang	1,191	214	977	1,210	217	993	1,287	283	1,004	1,378	436	942	1,456	461	995	1,537	486	1,051
60	Bac Lieu	748	183	565	759	186	573	799	195	604	835	228	607	882	241	641	931	254	677
61	Ca Mau	1,144	215	929	1,164	245	919	1,293	414	879	1,403	558	845	1,482	589	893	1,566	623	943
TOTAL		75,041	16,907	58,134	76,262	17,588	58,674	82,282	21,638	60,644	89,084	26,835	62,249	94,637	29,562	65,075	100,678	32,615	68,063

Note: The population projection was made based on population targets prepared by each province.

When population target of province is not available at all, population projection by GSO was applied. In this case, urban and rural population was estimated by the study team from the present population distribution and past trend of increasing rates.

When the population target of province is available but information is not complete, the following arrangements were made by the study team:

- If some intermediate population is not available, it is estimated by applying the same increasing rate for the period.

- If population target in 2015 and 2020 is not available, the average annual increasing rate of 1.1% (national target) was applied to estimate the population.

Table E.26 Economic Development Plan by River Basin (Future GRDP of Provinces in River Basins)
(Medium Development Scenario)

(1/6)

No.	River Basis/Province	GRDP at 2000 Constant Price (Billion VND)															
		2001				2005				2010				2015			
		Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services
I.	Bang Giang & Ky Cung Rivers	3,821	1,845	546	1,430	5,173	2,308	819	2,046	7,660	3,084	1,360	3,216	11,500	4,164	2,261	5,075
11	Cao Bang	1,469	681	239	549	2,025	944	348	733	3,027	1,420	555	1,052	4,531	2,135	886	1,510
14	Lang Son	2,352	1,164	307	881	3,148	1,364	471	1,313	4,633	1,664	805	2,164	6,969	2,029	1,375	3,565
II.	Red and Thai Binh Rivers	111,368	29,643	35,496	46,229	161,926	42,449	55,158	64,320	244,285	53,426	94,882	95,977	337,006	64,907	147,862	124,237
(1)	Red River Delta	82,229	19,009	27,393	35,827	114,589	27,448	40,046	47,095	175,457	33,307	71,274	70,876	243,620	38,223	114,962	90,435
1	Ha Noi	30,300	811	11,401	18,088	33,219	852	12,059	20,308	36,867	870	14,351	21,646	40,839	888	16,723	23,228
2	Hai Phong	10,494	1,879	3,762	4,853	11,748	1,988	4,510	5,250	18,012	2,125	8,812	7,075	22,073	2,257	11,364	8,452
19	Vinh Phuc	4,279	1,221	1,711	1,347	7,609	1,481	3,837	2,291	16,863	1,885	10,529	4,449	39,932	2,400	28,890	8,642
3	Ha Tay	8,025	3,085	2,557	2,383	15,365	5,378	5,378	4,609	33,543	7,715	13,417	12,411	42,446	8,408	17,720	16,318
21	Bac Ninh	3,742	1,369	1,399	974	5,789	1,801	2,577	1,411	10,309	2,537	5,531	2,241	19,004	3,575	11,869	3,560
4	Hai Duong	5,423	1,667	2,230	1,526	7,460	1,980	3,410	2,070	10,436	2,336	5,100	3,000	13,558	2,535	6,961	4,062
5	Hung Yen	3,305	1,477	890	938	4,796	1,785	1,500	1,511	7,430	2,191	2,650	2,589	10,788	2,499	4,273	4,016
6	Ha Nam	2,800	990	762	1,048	3,814	1,259	1,108	1,447	5,635	1,701	1,768	2,166	8,361	2,298	2,821	3,242
7	Nam Dinh	5,836	2,308	1,272	2,256	8,420	3,031	2,105	3,284	10,735	3,420	3,110	4,205	13,282	4,326	3,809	5,147
8	Thai Binh	5,850	3,142	908	1,800	13,409	6,704	2,682	4,023	21,074	7,080	4,465	9,529	27,193	7,359	8,107	11,727
9	Ninh Binh	2,175	1,060	501	614	2,960	1,189	880	891	4,553	1,447	1,541	1,565	6,144	1,678	2,425	2,041
(2)	Other areas in the basin	29,139	10,634	8,103	10,402	47,337	15,001	15,112	17,225	68,828	20,119	23,608	25,101	93,386	26,684	32,900	33,802
10	Ha Giang	799	579	204	16	1,069	800	247	22	1,428	1,072	323	32	1,755	1,322	392	41
12	Lao Cai	1,500	680	290	530	2,600	1,040	520	1,040	3,873	1,150	1,158	1,565	4,918	1,209	1,715	1,994
13	Bac Kan	564	304	73	187	875	391	129	356	1,594	534	262	797	3,049	730	534	1,785
15	Tuyen Quang	1,472	701	342	429	2,155	905	582	668	3,470	1,457	937	1,076	5,588	2,346	1,509	1,733
16	Yen Bai	1,700	770	380	550	4,216	1,250	1,653	1,313	6,762	1,738	2,935	2,089	9,018	2,126	4,017	2,875
17	Thai Nguyen	2,792	1,034	815	943	3,613	1,255	1,082	1,276	5,002	1,598	1,542	1,862	6,952	2,036	2,197	2,719
18	Phu Tho	4,131	1,254	1,524	1,353	5,654	1,823	2,167	1,664	8,428	2,909	3,365	2,154	12,656	4,642	5,225	2,789
20	Bac Giang	2,828	1,502	418	908	3,956	1,969	788	1,199	4,865	2,319	1,010	1,536	5,993	2,731	1,294	1,968
22	Quang Ninh	6,169	797	2,378	2,994	12,286	1,033	5,139	6,114	19,130	1,311	8,221	9,598	25,152	1,565	10,977	12,610
23	Lai Chau	2,170	701	600	869	2,600	870	738	992	3,131	1,054	892	1,185	3,612	1,221	1,157	1,234
24	Son La	2,005	1,151	180	674	2,777	1,465	416	896	3,008	1,558	521	929	3,668	1,768	750	1,150
25	Hoa Binh	3,010	1,160	900	950	5,536	2,200	1,651	1,685	8,138	3,418	2,441	2,279	11,025	4,988	3,133	2,904
III.	Ma River	8,498	3,110	2,671	2,717	12,535	3,945	4,750	3,840	20,965	4,755	10,200	6,010	37,040	5,731	21,903	9,406
26	Thanh Hoa	8,498	3,110	2,671	2,717	12,535	3,945	4,750	3,840	20,965	4,755	10,200	6,010	37,040	5,731	21,903	9,406
IV.	Ca River	12,405	5,491	2,323	4,591	17,765	6,540	4,379	6,846	24,100	7,413	8,581	8,106	34,068	9,339	12,912	11,817
27	Nghe An	8,789	3,723	1,763	3,303	13,496	4,698	3,567	5,231	18,000	5,400	7,056	5,544	25,398	6,831	10,329	8,238
28	Ha Tinh	3,616	1,768	560	1,288	4,269	1,842	812	1,615	6,100	2,013	1,525	2,562	8,670	2,508	2,583	3,579
V.	Thach Han River	1,813	793	305	715	2,529	977	643	909	3,500	1,225	980	1,295	4,978	1,615	1,469	1,894
30	Quang Tri	1,813	793	305	715	2,529	977	643	909	3,500	1,225	980	1,295	4,978	1,615	1,469	1,894
VI.	Huong River	3,875	897	1,238	1,740	6,510	1,309	2,298	2,903	10,650	1,704	4,430	4,516	15,541	2,073	7,134	6,334
31	Thua Thien - Hue	3,875	897	1,238	1,740	6,510	1,309	2,298	2,903	10,650	1,704	4,430	4,516	15,541	2,073	7,134	6,334
VII.	Vu Gia-Thu Bon River	7,660	2,075	2,831	2,754	12,143	2,215	4,905	5,023	19,169	2,781	8,740	7,648	29,289	3,421	13,271	12,597
32	Da Nang	3,752	290	1,605	1,857	5,709	336	2,825	2,548	10,169	441	5,680	4,048	16,594	519	8,757	7,318
33	Quang Nam	3,908	1,785	1,226	897	6,434	1,879	2,080	2,475	9,000	2,340	3,060	3,600	12,695	2,902	4,514	5,279

Table E.26 Economic Development Plan by River Basin (Future GRDP of Provinces in River Basins)
(Medium Development Scenario)

(2/6)

No.		River Basis/Province	GDP at 2000 Constant Price (Billion VND)																			
			2001				2005				2010				2015				2020			
			Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services
VIII.	Tra Khuc River	3,618	1,368	1,453	797	4,822	1,618	2,190	1,014	6,818	1,941	3,401	1,476	9,908	2,361	5,477	2,070	14,597	2,873	8,821	2,903	
34	Quang Ngai	3,618	1,368	1,453	797	4,822	1,618	2,190	1,014	6,818	1,941	3,401	1,476	9,908	2,361	5,477	2,070	14,597	2,873	8,821	2,903	
IX.	Kone River	5,010	2,024	1,192	1,794	6,674	2,336	1,869	2,469	9,797	2,645	3,232	3,920	14,609	3,403	4,976	6,230	21,939	4,378	7,661	9,906	
35	Binh Dinh	5,010	2,024	1,192	1,794	6,674	2,336	1,869	2,469	9,797	2,645	3,232	3,920	14,609	3,403	4,976	6,230	21,939	4,378	7,661	9,906	
X.	Ba River	6,272	3,538	1,889	845	8,329	4,167	2,981	1,181	12,706	5,062	5,168	2,476	19,062	6,158	8,577	4,327	29,396	7,493	14,260	7,643	
36	Phu Yen	1,683	730	397	556	2,390	844	732	814	4,692	1,077	1,674	1,941	7,836	1,310	2,950	3,576	13,382	1,594	5,198	6,596	
39	Gia Lai	4,589	2,808	1,492	289	5,939	3,323	2,249	367	8,014	3,985	3,494	535	11,226	4,848	5,627	751	16,014	5,899	9,062	1,053	
XI.	Dong Nai River	88,571	10,831	38,747	38,993	113,078	13,229	53,195	46,654	154,939	16,377	78,709	59,853	185,167	19,108	96,813	69,246	224,911	22,441	120,967	81,503	
41	Ho Chi Minh	57,852	1,173	26,246	30,433	64,178	1,196	29,658	33,324	71,391	1,220	33,514	36,657	75,303	1,232	35,625	38,446	79,437	1,245	37,870	40,322	
42	Lam Dong	3,192	1,611	642	939	4,068	1,906	967	1,195	5,528	2,286	1,502	1,740	7,640	2,781	2,419	2,440	10,702	3,384	3,896	3,422	
44	Binh Phuoc	1,442	909	165	368	2,105	1,175	402	528	3,516	1,565	1,100	851	4,942	2,093	1,468	1,381	7,000	2,800	1,960	2,246	
45	Tay Ninh	4,583	1,904	1,045	1,634	7,711	2,776	2,391	2,544	10,500	3,255	3,158	3,727	14,459	4,034	5,068	5,357	20,000	5,000	7,300	7,700	
46	Binh Duong	6,468	1,145	3,443	1,880	11,886	1,266	7,817	2,803	23,782	1,597	16,918	5,267	32,179	1,946	23,059	7,174	43,574	2,372	31,430	9,772	
47	Dong Nai	11,608	2,664	6,397	2,547	17,723	2,863	10,542	4,318	30,747	3,368	19,424	7,955	40,014	3,643	26,059	10,312	52,269	3,940	34,961	13,363	
48	Binh Thuan	3,426	1,425	809	1,192	5,407	2,047	1,418	1,942	9,475	3,086	2,733	3,656	10,630	3,379	3,115	4,136	11,929	3,700	3,550	4,673	
XII.	Se San River	876	389	137	350	1,277	551	256	470	1,812	712	497	603	2,512	866	800	846	3,529	1,054	1,289	1,180	
38	Kon Tum	876	389	137	350	1,277	551	256	470	1,812	712	497	603	2,512	866	800	846	3,529	1,054	1,289	1,180	
XIII.	Srepok River	5,460	3,374	714	1,372	7,035	3,993	1,159	1,883	10,624	5,024	2,380	3,220	15,344	6,261	4,008	5,075	22,552	7,802	6,750	8,006	
40	Dak Lak	5,460	3,374	714	1,372	7,035	3,993	1,159	1,883	10,624	5,024	2,380	3,220	15,344	6,261	4,008	5,075	22,552	7,802	6,750	8,006	
XIV.	Cuu Long River Delta	73,071	38,667	13,343	21,061	115,114	54,090	25,038	35,986	190,891	76,559	49,153	65,179	276,851	95,198	84,683	96,970	418,777	118,759	151,425	148,592	
50	Long An	5,090	2,518	1,112	1,460	7,045	3,060	1,911	2,074	10,974	3,822	3,750	3,402	17,713	4,774	7,359	5,580	29,556	5,963	14,440	9,153	
51	Dong Thap	5,947	3,594	745	1,608	8,740	4,632	1,311	2,797	12,000	5,640	2,400	3,960	16,914	7,266	3,718	5,930	24,000	9,360	5,760	8,886	
52	An Giang	9,790	3,869	1,200	4,721	17,596	6,236	3,105	8,255	28,926	9,425	5,617	13,884	39,986	11,467	9,046	19,473	55,832	13,951	14,569	27,313	
53	Tien Giang	8,941	5,370	1,211	2,360	15,392	8,536	2,469	4,387	28,813	14,449	5,444	8,920	38,858	17,579	8,768	12,511	53,055	21,388	14,120	17,543	
54	Vinh Long	4,567	2,626	575	1,366	6,351	3,093	1,035	2,223	9,108	3,501	1,905	3,702	12,519	4,259	3,068	5,192	17,405	5,182	4,941	7,283	
55	Ben Tre	4,383	2,828	636	919	6,061	3,451	1,158	1,452	8,101	4,199	1,865	2,037	10,969	5,109	3,003	2,857	15,060	6,216	4,837	4,007	
56	Kien Giang	8,507	4,208	2,293	2,006	15,755	7,849	4,346	3,560	27,654	12,812	7,976	6,866	38,064	15,588	12,846	9,630	53,159	18,965	20,688	13,500	
57	Can Tho	7,314	2,129	2,388	2,797	12,634	3,037	4,257	5,340	24,516	4,429	9,170	10,917	35,469	5,389	14,768	15,312	51,816	6,556	23,785	21,473	
58	Tra Vinh	3,984	2,736	434	814	6,646	3,813	1,130	1,703	13,226	5,720	3,334	4,172	28,424	8,484	9,720	10,220	65,952	12,583	28,335	25,034	
59	Soc Trang	4,343	2,769	750	824	6,689	3,421	1,525	1,743	11,279	4,168	3,314	3,797	15,733	5,071	5,337	5,325	22,235	6,170	8,596	7,463	
60	Bac Lieu	3,575	2,178	623	774	4,263	2,600	750	913	5,652	3,163	1,208	1,281	7,590	3,848	1,945	1,797	10,335	4,682	3,133	2,520	
61	Ca Mau	6,630	3,842	1,376	1,412	7,942	4,362	2,041	1,539	10,642	5,231	3,170	2,241	14,612	6,364	5,105	3,143	20,372	7,743	8,221	4,403	
	Total	332,318	104,045	102,885	125,388	474,911	139,727	159,640	175,544	717,916	182,708	271,713	263,495	992,875	224,605	412,146	356,124	1,443,968	278,421	667,886	497,661	

Note: 1. The economic development targets of the objective provinces are collected by questionnaire survey with assistance of IWRP. Some data from the provinces are not complete or appropriate but they are the official targets and esteemed as much as possible.

2. If the economic development targets of provinces are not available at all, those prepared by MPI were applied.
3. When the economic development targets are available but the information is impractical or a part of information is not available, the national target rates have been applied.
4. Future GRDP is estimated on 2000 constant price basis. Since the price change from 2000 to 2001 is negligibly small, the figures are directly used for this study.

Table E.26 Economic Development Plan by River Basin (Future GRDP of Provinces in River Basins)
(High Development Scenario)

(3/6)

		GRDP at 2000 Constant Price (Billion VND)																			
No.	River Basis/Province	2001				2005				2010				2015				2020			
		Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services
ET-31	I. Bang Giang & Ky Cung Rivers	3,821	1,845	546	1,430	5,327	2,358	850	2,119	8,205	3,245	1,481	3,479	12,846	4,523	2,584	5,739	20,410	6,386	4,514	9,510
	11 Cao Bang	1,469	681	239	549	2,088	973	360	755	3,244	1,522	600	1,122	5,049	2,380	1,001	1,668	7,870	3,721	1,670	2,479
	14 Lang Son	2,352	1,164	307	881	3,239	1,385	490	1,364	4,961	1,723	881	2,357	7,797	2,143	1,583	4,071	12,540	2,665	2,844	7,031
	II. Red and Thai Binh Rivers	111,368	29,643	35,496	46,229	163,131	41,833	56,018	65,280	257,407	54,000	102,132	101,275	370,905	67,172	168,520	135,213	584,064	85,542	311,693	186,829
	(1) Red River Delta	82,229	19,009	27,393	35,827	115,579	26,946	40,902	47,731	185,800	33,440	77,551	74,809	270,557	39,042	133,070	98,445	440,696	46,178	260,085	134,433
	1 Ha Noi	30,300	811	11,401	18,088	33,569	856	12,131	20,582	37,638	876	14,685	22,077	42,125	896	17,372	23,857	47,247	916	20,550	25,781
	2 Hai Phong	10,494	1,879	3,762	4,853	11,909	2,000	4,613	5,296	19,091	2,152	9,593	7,346	23,910	2,299	12,681	8,930	30,074	2,456	16,763	10,855
	19 Vinh Phuc	4,279	1,221	1,711	1,347	8,044	1,510	4,126	2,408	19,337	1,968	12,395	4,974	50,077	2,565	37,235	10,277	136,433	3,344	111,854	21,235
	3 Ha Tay	8,025	3,085	2,557	2,383	15,531	5,303	5,520	4,708	36,696	7,876	14,961	13,859	47,669	8,657	20,299	18,713	62,324	9,515	27,542	25,267
	21 Bac Ninh	3,742	1,369	1,399	974	6,037	1,850	2,726	1,461	11,395	2,693	6,277	2,425	22,399	3,922	14,451	4,026	45,667	5,713	33,270	6,684
	4 Hai Duong	5,423	1,667	2,230	1,526	7,669	1,996	3,523	2,150	11,098	2,393	5,476	3,229	14,821	2,617	7,702	4,502	19,972	2,862	10,833	6,277
	5 Hung Yen	3,305	1,477	890	938	5,066	1,797	1,600	1,669	8,241	2,250	2,982	3,009	12,498	2,600	5,031	4,867	19,366	3,004	8,489	7,873
	6 Ha Nam	2,800	990	762	1,048	3,929	1,289	1,148	1,492	6,029	1,793	1,915	2,321	9,300	2,494	3,195	3,611	14,417	3,469	5,330	5,618
	7 Nam Dinh	5,836	2,308	1,272	2,256	8,485	2,995	2,154	3,336	11,100	3,420	3,304	4,376	14,017	4,426	4,128	5,463	17,705	5,728	5,157	6,820
	8 Thai Binh	5,850	3,142	908	1,800	12,271	6,147	2,435	3,689	20,233	6,527	4,254	9,452	26,848	6,810	8,168	11,870	37,695	7,105	15,683	14,907
	9 Ninh Binh	2,175	1,060	501	614	3,069	1,203	926	940	4,942	1,492	1,709	1,741	6,893	1,756	2,808	2,329	9,796	2,066	4,614	3,116
	(2) Other areas in the basin	29,139	10,634	8,103	10,402	47,552	14,887	15,116	17,549	71,607	20,560	24,581	26,466	100,348	28,130	35,450	36,768	143,368	39,364	51,608	52,396
	10 Ha Giang	799	579	204	16	1,121	837	260	24	1,540	1,154	350	36	1,932	1,453	432	47	2,425	1,829	534	62
	12 Lao Cai	1,500	680	290	530	2,561	1,012	494	1,055	3,964	1,130	1,184	1,650	5,167	1,193	1,821	2,153	6,869	1,260	2,800	2,809
	13 Bac Kan	564	304	73	187	914	401	136	377	1,770	565	296	909	3,632	796	644	2,192	7,809	1,121	1,402	5,286
	15 Tuyen Quang	1,472	701	342	429	2,259	907	656	696	3,806	1,528	1,105	1,173	6,413	2,575	1,862	1,976	10,805	4,339	3,137	3,329
	16 Yen Bai	1,700	770	380	550	3,780	1,185	1,391	1,204	6,310	1,701	2,607	2,002	8,641	2,122	3,678	2,841	11,868	2,647	5,189	4,032
	17 Thai Nguyen	2,792	1,034	815	943	3,705	1,279	1,112	1,314	5,295	1,667	1,640	1,988	7,603	2,175	2,418	3,010	10,959	2,837	3,565	4,557
	18 Phu Tho	4,131	1,254	1,524	1,353	5,827	1,889	2,240	1,698	9,032	3,151	3,627	2,254	14,122	5,257	5,873	2,992	22,254	8,771	9,511	3,972
	20 Bac Giang	2,828	1,502	418	908	4,008	1,938	827	1,243	5,036	2,319	1,086	1,631	6,343	2,776	1,426	2,141	8,005	3,323	1,872	2,810
	22 Quang Ninh	6,169	797	2,378	2,994	12,592	1,050	5,289	6,253	20,459	1,365	8,847	10,247	27,630	1,658	12,148	13,824	37,344	2,014	16,681	18,649
	23 Lai Chau	2,170	701	600	869	2,654	856	737	1,061	3,254	1,057	907	1,290	3,798	1,243	1,206	1,349	4,475	1,461	1,604	1,410
	24 Son La	2,005	1,151	180	674	2,887	1,457	385	1,045	3,139	1,559	493	1,087	3,900	1,791	735	1,374	4,891	2,058	1,096	1,737
	25 Hoa Binh	3,010	1,160	900	950	5,244	2,076	1,589	1,579	8,002	3,364	2,439	2,199	11,167	5,091	3,207	2,869	15,664	7,704	4,217	3,743
	III. Ma River	8,498	3,110	2,671	2,717	13,121	4,048	5,169	3,904	23,254	4,969	11,909	6,376	43,951	6,100	27,437	10,414	87,711	7,488	63,213	17,010
	26 Thanh Hoa	8,498	3,110	2,671	2,717	13,121	4,048	5,169	3,904	23,254	4,969	11,909	6,376	43,951	6,100	27,437	10,414	87,711	7,488	63,213	17,010
	IV. Ca River	12,405	5,491	2,323	4,591	18,520	6,657	4,728	7,135	26,095	7,641	9,858	8,596	38,284	9,846	15,450	12,988	56,647	12,688	24,317	19,642
	27 Nghe An	8,789	3,723	1,763	3,303	14,069	4,804	3,804	5,461	19,436	5,598	8,017	5,821	28,402	7,245	12,173	8,984	41,725	9,377	18,483	13,865
	28 Ha Tinh	3,616	1,768	560	1,288	4,451	1,853	924	1,674	6,659	2,043	1,841	2,775	9,882	2,601	3,277	4,004	14,922	3,311	5,834	5,777
	V. Thach Han River	1,813	793	305	715	2,616	997	688	931	3,742	1,278	1,092	1,372	5,513	1,731	1,701	2,081	8,151	2,345	2,650	3,156
	30 Quang Tri	1,813	793	305	715	2,616	997	688	931	3,742	1,278	1,092	1,372	5,513	1,731	1,701	2,081	8,151	2,345	2,650	3,156
	VI. Huong River	3,875	897	1,238	1,740	6,746	1,333	2,414	2,999	11,593	1,780	4,947	4,866	17,595	2,208	8,336	7,051	27,002	2,738	14,047	10,217
	31 Thua Thien - Hue	3,875	897	1,238	1,740	6,746	1,333	2,414	2,999	11,593	1,780	4,947	4,866	17,595	2,208	8,336	7,051	27,002	2,738	14,047	10,217
	VII. Vu Gia-Thu Bon River	7,660	2,075	2,831	2,754	12,723	2,230	5,163	5,330	21,024	2,863	9,724	8,437	33,499	3,594	15,371	14,534	54,182	4,514	24,311	25,357
	32 Da Nang	3,752	290	1,605	1,857	5,945	341	2,978	2,626	11,208	460	6,388	4,360	19,145	550	10,263	8,332	33,070	658	16,489	15,923
	33 Quang Nam	3,908	1,785	1,226	897	6,778	1,889	2,185	2,704	9,816	2,403	3,336	4,077	14,354	3,044	5,108	6,202	21,112	3,856	7,822	9,434

(4/6)

No.		GRDP at 2000 Constant Price (Billion VND)																			
		2001				2005				2010				2015				2020			
		Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services
VIII. Tra Khuc River		3,618	1,368	1,453	797	4,960	1,645	2,277	1,038	7,263	2,009	3,688	1,566	10,975	2,492	6,214	2,269	16,850	3,091	10,471	3,288
34	Quang Ngai	3,618	1,368	1,453	797	4,960	1,645	2,277	1,038	7,263	2,009	3,688	1,566	10,975	2,492	6,214	2,269	16,850	3,091	10,471	3,288
IX. Kone River		5,010	2,024	1,192	1,794	6,982	2,381	1,994	2,607	10,685	2,729	3,631	4,325	16,606	3,598	5,825	7,183	26,018	4,744	9,345	11,929
35	Binh Dinh	5,010	2,024	1,192	1,794	6,982	2,381	1,994	2,607	10,685	2,729	3,631	4,325	16,606	3,598	5,825	7,183	26,018	4,744	9,345	11,929
X. Ba River		6,272	3,538	1,889	845	8,538	4,367	3,051	1,120	13,451	5,416	5,547	2,488	20,938	6,717	9,652	4,569	33,665	8,331	16,832	8,502
36	Phu Yen	1,683	730	397	556	2,447	989	714	744	4,973	1,292	1,761	1,920	8,621	1,602	3,273	3,746	15,379	1,987	6,083	7,309
39	Gia Lai	4,589	2,808	1,492	289	6,091	3,378	2,337	376	8,478	4,124	3,786	568	12,317	5,115	6,379	823	18,286	6,344	10,749	1,193
XI. Dong Nai River		88,571	10,831	38,747	38,993	118,892	13,854	56,102	48,936	167,019	17,521	85,082	64,416	203,149	20,755	106,545	75,849	251,958	24,774	135,975	91,209
41	Ho Chi Minh	57,852	1,173	26,246	30,433	68,677	1,211	32,421	35,045	77,235	1,238	37,081	38,916	81,918	1,252	39,657	41,009	86,893	1,266	42,412	43,215
42	Lam Dong	3,192	1,611	642	939	4,167	1,938	1,006	1,223	5,842	2,366	1,630	1,846	8,356	2,934	2,747	2,675	12,144	3,639	4,629	3,876
44	Binh Phuoc	1,442	909	165	368	2,187	1,205	435	547	3,875	1,650	1,303	922	5,625	2,270	1,789	1,566	8,239	3,123	2,456	2,660
45	Tay Ninh	4,583	1,904	1,045	1,634	8,108	2,878	2,576	2,654	11,394	3,428	3,933	4,033	16,210	4,339	5,868	6,003	23,182	5,492	8,755	8,935
46	Binh Duong	6,468	1,145	3,443	1,880	11,710	1,404	7,042	3,264	24,680	1,812	16,363	6,505	34,361	2,251	22,981	9,129	47,884	2,797	32,275	12,812
47	Dong Nai	11,608	2,664	6,397	2,547	18,411	3,098	11,130	4,183	33,578	3,703	21,715	8,160	44,858	4,036	29,974	10,848	60,195	4,399	41,374	14,422
48	Binh Thuan	3,426	1,425	809	1,192	5,632	2,120	1,492	2,020	10,415	3,324	3,057	4,034	11,821	3,673	3,529	4,619	13,421	4,058	4,074	5,289
XII. Se San River		876	389	137	350	1,257	536	241	480	1,839	710	498	631	2,634	881	839	914	3,831	1,093	1,414	1,324
38	Kon Tum	876	389	137	350	1,257	536	241	480	1,839	710	498	631	2,634	881	839	914	3,831	1,093	1,414	1,324
XIII. Srepok River		5,460	3,374	714	1,372	7,212	4,059	1,212	1,941	11,374	5,223	2,660	3,491	17,102	6,650	4,706	5,746	26,250	8,467	8,325	9,458
40	Dak Lak	5,460	3,374	714	1,372	7,212	4,059	1,212	1,941	11,374	5,223	2,660	3,491	17,102	6,650	4,706	5,746	26,250	8,467	8,325	9,458
XIV. Cuu Long River Delta		73,071	38,667	13,343	21,061	115,815	53,970	25,665	36,180	202,137	79,343	53,629	69,165	305,477	100,815	97,334	107,328	486,420	128,607	184,839	172,974
50	Long An	5,090	2,518	1,112	1,460	7,147	3,120	1,919	2,108	11,615	3,982	4,009	3,624	19,689	5,083	8,376	6,230	34,696	6,488	17,499	10,709
51	Dong Thap	5,947	3,594	745	1,608	9,071	4,747	1,381	2,943	12,876	5,892	2,675	4,309	18,808	7,780	4,321	6,707	27,691	10,273	6,979	10,439
52	An Giang	9,790	3,869	1,200	4,721	16,918	5,789	3,066	8,063	29,210	9,102	5,864	14,244	41,809	11,288	9,881	20,640	60,558	14,000	16,650	29,908
53	Tien Giang	8,941	5,370	1,211	2,360	16,197	8,917	2,635	4,645	32,197	15,863	6,248	10,086	44,817	19,674	10,528	14,615	63,318	24,400	17,740	21,178
54	Vinh Long	4,567	2,626	575	1,366	6,488	3,008	1,119	2,361	9,754	3,447	2,181	4,126	13,929	4,275	3,675	5,979	20,159	5,302	6,193	8,664
55	Ben Tre	4,383	2,828	636	919	4,877	2,648	1,047	1,182	6,761	3,284	1,764	1,713	9,527	4,073	2,972	2,482	13,656	5,052	5,008	3,596
56	Kien Giang	8,507	4,208	2,293	2,006	16,674	8,311	4,609	3,754	30,861	14,211	8,953	7,697	43,864	17,625	15,086	11,153	63,441	21,859	25,421	16,161
57	Can Tho	7,314	2,129	2,388	2,797	12,859	2,964	4,669	5,226	26,691	4,482	10,794	11,415	40,289	5,559	18,189	16,541	61,512	6,894	30,650	23,968
58	Tra Vinh	3,984	2,736	434	814	6,719	3,836	1,119	1,764	14,305	5,982	3,635	4,688	33,329	9,214	11,658	12,457	84,681	14,192	37,388	33,101
59	Soc Trang	4,343	2,769	750	824	5,566	3,128	1,135	1,303	9,583	3,885	2,649	3,049	13,700	4,818	4,464	4,418	19,900	5,976	7,522	6,402
60	Bac Lieu	3,575	2,178	623	774	4,682	2,880	810	972	6,374	3,571	1,365	1,438	8,813	4,429	2,300	2,084	12,388	5,493	3,875	3,020
61	Ca Mau	6,630	3,842	1,376	1,412	8,617	4,622	2,156	1,839	11,910	5,642	3,492	2,776	16,903	6,997	5,884	4,022	24,420	8,678	9,914	5,828
Total		332,318	104,045	102,885	125,388	485,840	140,268	165,572	180,000	765,088	188,727	295,878	280,483	1,099,474	237,082	470,514	391,878	1,683,159	300,808	811,946	570,400

Note: 1. The economic development targets of the objective provinces are collected by questionnaire survey with assistance of IWRP. Some data from the provinces are not complete or appropriate but they are the official targets and esteemed as much as possible.

2. If the economic development targets of provinces are not available at all, those prepared by MPI were applied.

3. When the economic development targets are available but the information is impractical or a part of information are not available, the national target rates have been applied.

4. Future GRDP is estimated on 2000 constant price basis. Since the price change from 2000 to 2001 is negligibly small, the figures are directly used for this study.

**Table E.26 Economic Development Plan by River Basin (Future GRDP of Provinces in River Basins)
(Low Development Scenario)**

(5/6)

No.		River Basis/Province		GRDP at 2000 Constant Price (Billion VND)																			
				2001				2005				2010				2015				2020			
				Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services				
I.	Bang Giang & Ky Cung Rivers	3,821	1,845	546	1,430	5,022	2,257	787	1,978	7,150	2,929	1,245	2,976	10,295	3,833	1,971	4,491	14,986	5,062	3,123	6,801		
11	Cao Bang	1,469	681	239	549	1,963	914	335	714	2,823	1,322	511	990	4,063	1,911	780	1,372	5,855	2,763	1,190	1,902		
14	Lang Son	2,352	1,164	307	881	3,059	1,343	452	1,264	4,327	1,607	734	1,986	6,232	1,922	1,191	3,119	9,131	2,299	1,933	4,899		
II.	Red and Thai Binh Rivers	111,368	29,643	35,496	46,229	152,031	39,304	51,473	61,254	218,485	48,384	83,458	86,643	290,050	57,694	123,449	108,907	406,605	69,867	196,689	140,049		
(1)	Red River Delta	82,229	19,009	27,393	35,827	108,471	25,283	37,934	45,254	157,738	30,151	63,299	64,288	210,163	34,226	96,201	79,736	300,188	39,188	159,625	101,375		
1	Ha Noi	30,300	811	11,401	18,088	32,954	848	11,996	20,110	36,197	864	14,034	21,299	39,685	880	16,109	22,696	43,571	896	18,490	24,185		
2	Hai Phong	10,494	1,879	3,762	4,853	11,640	1,977	4,449	5,214	17,085	2,099	8,161	6,825	20,494	2,216	10,266	8,012	24,658	2,339	12,914	9,405		
19	Vinh Phuc	4,279	1,221	1,711	1,347	7,198	1,454	3,564	2,180	14,702	1,807	8,918	3,977	31,817	2,247	22,314	7,256	71,864	2,794	55,831	13,239		
3	Ha Tay	8,025	3,085	2,557	2,383	13,875	4,831	4,850	4,194	28,128	6,692	11,122	10,314	34,731	7,231	14,296	13,204	43,092	7,813	18,375	16,904		
21	Bac Ninh	3,742	1,369	1,399	974	5,549	1,754	2,434	1,361	9,322	2,390	4,864	2,068	16,120	3,258	9,719	3,143	28,638	4,441	19,421	4,776		
4	Hai Duong	5,423	1,667	2,230	1,526	7,211	1,933	3,254	2,024	9,755	2,244	4,681	2,830	12,333	2,415	6,198	3,720	15,697	2,599	8,207	4,891		
5	Hung Yen	3,305	1,477	890	938	4,694	1,735	1,447	1,512	6,970	2,087	2,422	2,461	9,741	2,350	3,731	3,660	13,836	2,646	5,747	5,443		
6	Ha Nam	2,800	990	762	1,048	3,701	1,230	1,069	1,402	5,264	1,614	1,631	2,019	7,513	2,117	2,489	2,907	10,760	2,777	3,798	4,185		
7	Nam Dinh	5,836	2,308	1,272	2,256	7,943	2,860	1,967	3,116	9,883	3,189	2,799	3,895	11,976	3,942	3,360	4,674	14,516	4,873	4,034	5,609		
8	Thai Binh	5,850	3,142	908	1,800	10,823	5,485	2,070	3,268	16,190	5,761	3,282	7,147	20,215	5,965	5,632	8,618	26,232	6,176	9,664	10,392		
9	Ninh Binh	2,175	1,060	501	614	2,883	1,176	834	873	4,242	1,404	1,385	1,453	5,538	1,605	2,087	1,846	7,324	1,834	3,144	2,346		
(2)	Other areas in the basin	29,139	10,634	8,103	10,402	43,560	14,021	13,539	16,000	60,747	18,233	20,159	22,355	79,887	23,468	27,248	29,171	106,417	30,679	37,064	38,674		
10	Ha Giang	799	579	204	16	1,056	785	249	22	1,371	1,022	318	31	1,652	1,235	378	39	1,991	1,492	450	49		
12	Lao Cai	1,500	680	290	530	2,334	944	451	939	3,323	1,033	932	1,358	4,099	1,080	1,329	1,690	5,127	1,129	1,895	2,103		
13	Bac Kan	564	304	73	187	839	382	122	335	1,436	507	233	696	2,562	672	444	1,446	4,742	891	846	3,005		
15	Tuyen Quang	1,472	701	342	429	2,093	866	587	640	3,220	1,332	903	985	4,953	2,049	1,389	1,515	7,621	3,153	2,137	2,331		
16	Yen Bai	1,700	770	380	550	3,286	1,099	1,131	1,056	4,989	1,480	1,902	1,607	6,444	1,775	2,525	2,144	8,340	2,128	3,352	2,860		
17	Thai Nguyen	2,792	1,034	815	943	3,525	1,232	1,053	1,240	4,727	1,532	1,450	1,745	6,358	1,906	1,996	2,456	8,577	2,372	2,748	3,457		
18	Phu Tho	4,131	1,254	1,524	1,353	5,484	1,759	2,094	1,631	7,860	2,684	3,117	2,059	11,335	4,096	4,640	2,599	16,438	6,250	6,907	3,281		
20	Bac Giang	2,828	1,502	418	908	3,764	1,852	736	1,176	4,537	2,146	921	1,470	5,477	2,487	1,152	1,838	6,621	2,882	1,441	2,298		
22	Quang Ninh	6,169	797	2,378	2,994	11,149	1,000	4,626	5,523	16,617	1,240	7,074	8,303	21,260	1,455	9,183	10,622	27,216	1,707	11,921	13,588		
23	Lai Chau	2,170	701	600	869	2,560	826	710	1,024	3,026	982	842	1,202	3,433	1,121	1,065	1,247	3,919	1,280	1,346	1,293		
24	Son La	2,005	1,151	180	674	2,704	1,397	339	968	2,892	1,477	415	1,000	3,444	1,655	577	1,212	4,126	1,855	802	1,469		
25	Hoa Binh	3,010	1,160	900	950	4,766	1,879	1,441	1,446	6,749	2,798	2,052	1,899	8,870	3,937	2,570	2,363	11,699	5,540	3,219	2,940		
III.	Ma River	8,498	3,110	2,671	2,717	12,148	3,864	4,620	3,664	19,303	4,573	9,237	5,493	32,116	5,412	18,469	8,235	55,678	6,404	36,928	12,346		
26	Thanh Hoa	8,498	3,110	2,671	2,717	12,148	3,864	4,620	3,664	19,303	4,573	9,237	5,493	32,116	5,412	18,469	8,235	55,678	6,404	36,928	12,346		
IV.	Ca River	12,405	5,491	2,323	4,591	17,226	6,430	4,191	6,605	22,601	7,197	7,703	7,701	30,857	8,863	11,169	10,825	42,384	10,916	16,242	15,226		
27	Nghe An	8,789	3,723	1,763	3,303	12,942	4,592	3,343	5,007	16,684	5,206	6,202	5,276	22,731	6,435	8,751	7,545	31,092	7,955	12,347	10,790		
28	Ha Tinh	3,616	1,768	560	1,288	4,284	1,838	848	1,598	5,917	1,991	1,501	2,425	8,126	2,428	2,418	3,280	11,292	2,961	3,895	4,436		
V.	Thach Han River	1,813	793	305	715	2,447	957	601	889	3,277	1,174	880	1,223	4,499	1,507	1,268	1,724	6,192	1,934	1,828	2,430		
30	Quang Tri	1,813	793	305	715	2,447	957	601	889	3,277	1,174	880	1,223	4,499	1,507	1,268	1,724	6,192	1,934	1,828	2,430		
VI.	Huong River	3,875	897	1,238	1,740	6,130	1,244	2,155	2,731	9,555	1,578	3,905	4,072	13,418	1,883	6,008	5,527	18,993	2,247	9,244	7,502		
31	Thua Thien - Hue	3,875	897	1,238	1,740	6,130	1,244	2,155	2,731	9,555	1,578	3,905	4,072	13,418	1,883	6,008	5,527	18,993	2,247	9,244	7,502		
VII.	Vu Gia-Thu Bon River	7,660	2,075	2,831	2,754	11,593	2,202	4,659	4,732	17,481	2,703	7,851	6,927	25,607	3,259	11,448	10,900	37,932	3,931	16,699	17,302		
32	Da Nang	3,752	290	1,605	1,857	5,483	332	2,680	2,471	9,225	424	5,046	3,755	14,371	491	7,462	6,418	22,573	569	11,035	10,969		
33	Quang Nam	3,908	1,785	1,226	897	6,110	1,870	1,979	2,261	8,256	2,279	2,805	3,172	11,236	2,768	3,986	4,482	15,359	3,362	5,664	6,333		

**Table E.26 Economic Development Plan by River Basin (Future GRDP of Provinces in River Basins)
(Low Development Scenario)**

(6/6)

No.	River Basis/Province	GRDP at 2000 Constant Price (Billion VND)															
		2001				2005				2010				2015			
		Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services	Total	Agriculture, forestry and fishery	Industry and construction	Services
VIII. Tra Khuc River		3,618	1,368	1,453	797	4,689	1,592	2,106	991	6,402	1,876	3,135	1,391	8,951	2,239	4,824	1,888
34	Quang Ngai	3,618	1,368	1,453	797	4,689	1,592	2,106	991	6,402	1,876	3,135	1,391	8,951	2,239	4,824	1,888
IX. Kone River		5,010	2,024	1,192	1,794	6,579	2,312	1,825	2,442	9,291	2,586	2,996	3,709	13,309	3,246	4,425	5,638
35	Binh Dinh	5,010	2,024	1,192	1,794	6,579	2,312	1,825	2,442	9,291	2,586	2,996	3,709	13,309	3,246	4,425	5,638
X. Ba River		6,272	3,538	1,889	845	8,080	4,206	2,808	1,066	11,667	5,018	4,588	2,061	16,619	5,989	7,238	3,392
36	Phu Yen	1,683	730	397	556	2,290	937	646	707	4,091	1,167	1,368	1,556	6,383	1,393	2,284	2,706
39	Gia Lai	4,589	2,808	1,492	289	5,790	3,269	2,162	359	7,576	3,851	3,220	505	10,236	4,596	4,954	686
XI. Dong Nai River		88,571	10,831	38,747	38,993	112,637	13,251	52,448	46,938	147,255	16,038	72,915	58,302	171,369	18,407	86,840	66,122
41	Ho Chi Minh	57,852	1,173	26,246	30,433	66,599	1,204	31,225	34,170	73,321	1,226	34,861	37,234	76,936	1,237	36,833	38,866
42	Lam Dong	3,192	1,611	642	939	3,972	1,875	930	1,167	5,233	2,209	1,385	1,639	6,991	2,636	2,131	2,224
44	Binh Phuoc	1,442	909	165	368	2,028	1,147	371	510	3,197	1,486	926	785	4,350	1,932	1,202	1,216
45	Tay Ninh	4,583	1,904	1,045	1,634	7,336	2,678	2,218	2,440	9,680	3,091	3,144	3,445	12,904	3,751	4,372	4,781
46	Binh Duong	6,468	1,145	3,443	1,880	10,562	1,354	6,240	2,968	19,490	1,670	12,566	5,254	25,560	1,996	16,619	6,945
47	Dong Nai	11,608	2,664	6,397	2,547	16,974	3,015	10,120	3,839	27,763	3,490	17,598	6,675	35,124	3,745	22,943	8,436
48	Binh Thuan	3,426	1,425	809	1,192	5,166	1,978	1,344	1,844	8,571	2,866	2,435	3,270	9,504	3,110	2,740	3,654
XII. Se San River		876	389	137	350	1,180	507	219	454	1,606	639	399	568	2,148	763	614	771
38	Kon Tum	876	389	137	350	1,180	507	219	454	1,606	639	399	568	2,148	763	614	771
XIII. Srepok River		5,460	3,374	714	1,372	6,859	3,927	1,106	1,826	9,921	4,831	2,123	2,967	13,771	5,892	3,402	4,477
40	Dak Lak	5,460	3,374	714	1,372	6,859	3,927	1,106	1,826	9,921	4,831	2,123	2,967	13,771	5,892	3,402	4,477
XIV. Cuu Long River Delta		73,071	38,667	13,343	21,061	106,655	50,793	22,931	32,931	167,619	69,415	42,112	56,092	233,210	84,513	68,487	80,210
50	Long An	5,090	2,518	1,112	1,460	6,727	3,003	1,747	1,977	9,980	3,670	3,217	3,093	15,249	4,485	5,925	4,839
51	Dong Thap	5,947	3,594	745	1,608	8,416	4,519	1,243	2,654	11,180	5,397	2,149	3,634	15,209	6,783	3,192	5,234
52	An Giang	9,790	3,869	1,200	4,721	15,375	5,396	2,626	7,353	24,096	7,837	4,491	11,768	32,235	9,353	6,910	15,972
53	Tien Giang	8,941	5,370	1,211	2,360	14,623	8,169	2,313	4,141	25,766	13,151	4,738	7,877	33,676	15,695	7,290	10,691
54	Vinh Long	4,567	2,626	575	1,366	6,084	2,936	999	2,149	8,428	3,283	1,736	3,409	11,216	3,918	2,671	4,627
55	Ben Tre	4,383	2,828	636	919	4,771	2,680	961	1,130	6,212	3,199	1,479	1,534	8,176	3,818	2,276	2,082
56	Kien Giang	8,507	4,208	2,293	2,006	14,874	7,405	4,095	3,374	24,745	11,534	7,095	6,116	32,983	13,765	10,917	8,301
57	Can Tho	7,314	2,129	2,388	2,797	11,661	2,797	4,167	4,697	21,267	3,933	8,355	8,979	29,736	4,694	12,855	12,187
58	Tra Vinh	3,984	2,736	434	814	6,121	3,615	957	1,549	11,267	5,215	2,559	3,493	22,092	7,446	6,769	7,877
59	Soc Trang	4,343	2,769	750	824	5,319	3,060	1,056	1,203	8,229	3,657	2,135	2,437	10,958	4,365	3,285	3,308
60	Bac Lieu	3,575	2,178	623	774	4,463	2,741	773	949	5,748	3,271	1,189	1,288	7,481	3,904	1,829	1,748
61	Ca Mau	6,630	3,842	1,376	1,412	8,221	4,472	1,994	1,755	10,701	5,268	2,969	2,464	14,199	6,287	4,568	3,344
Total		332,318	104,045	102,885	125,388	453,276	132,846	151,929	168,501	651,613	168,941	242,547	240,125	866,219	203,500	349,612	313,107

Note: 1. The economic development targets of the objective provinces are collected by questionnaire survey with assistance of IWRP. Some data from the provinces are not complete or appropriate but they are the official targets and esteemed as much as possible.

2. If the economic development targets of provinces are not available at all, those prepared by MPI were applied.

3. When the economic development targets are available but the information is impractical or a part of information are not available, the national target rates have been applied.

4. Future GRDP is estimated on 2000 constant price basis. Since the price change from 2000 to 2001 is negligibly small, the figures are directly used for this study.

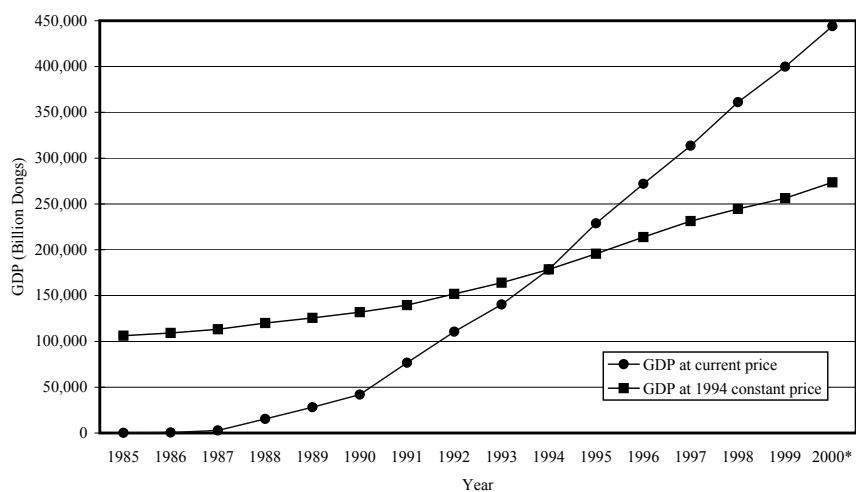


Figure E.1 Gross Domestic Product

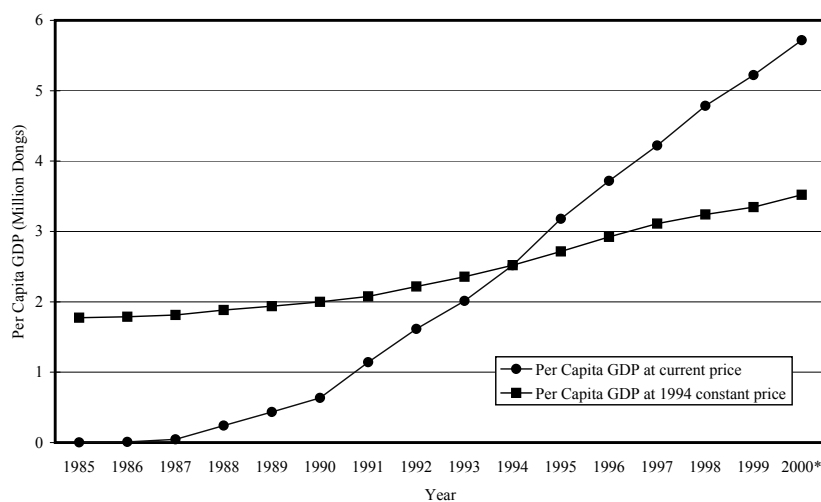


Figure E.2 Per Capita GDP

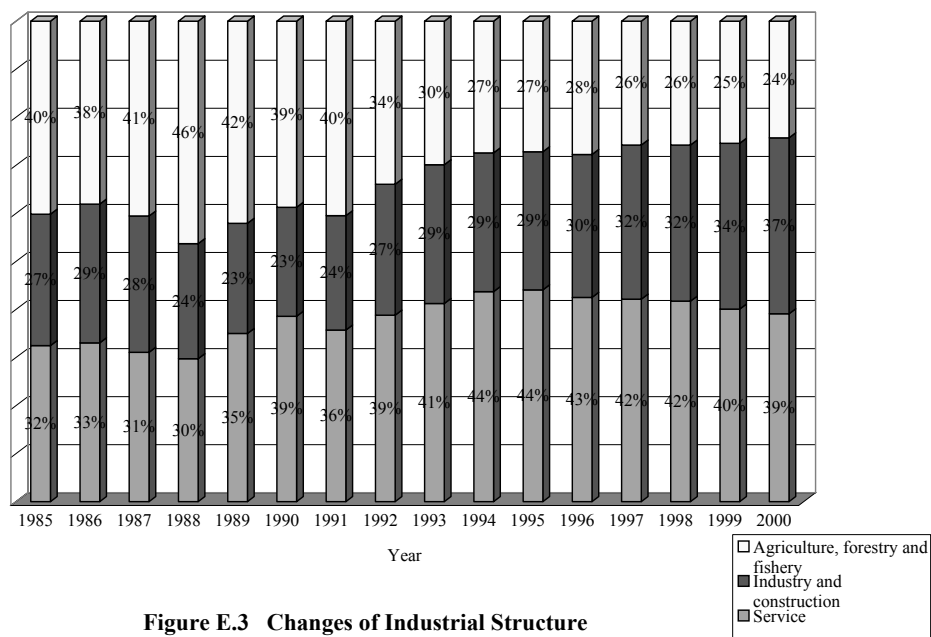
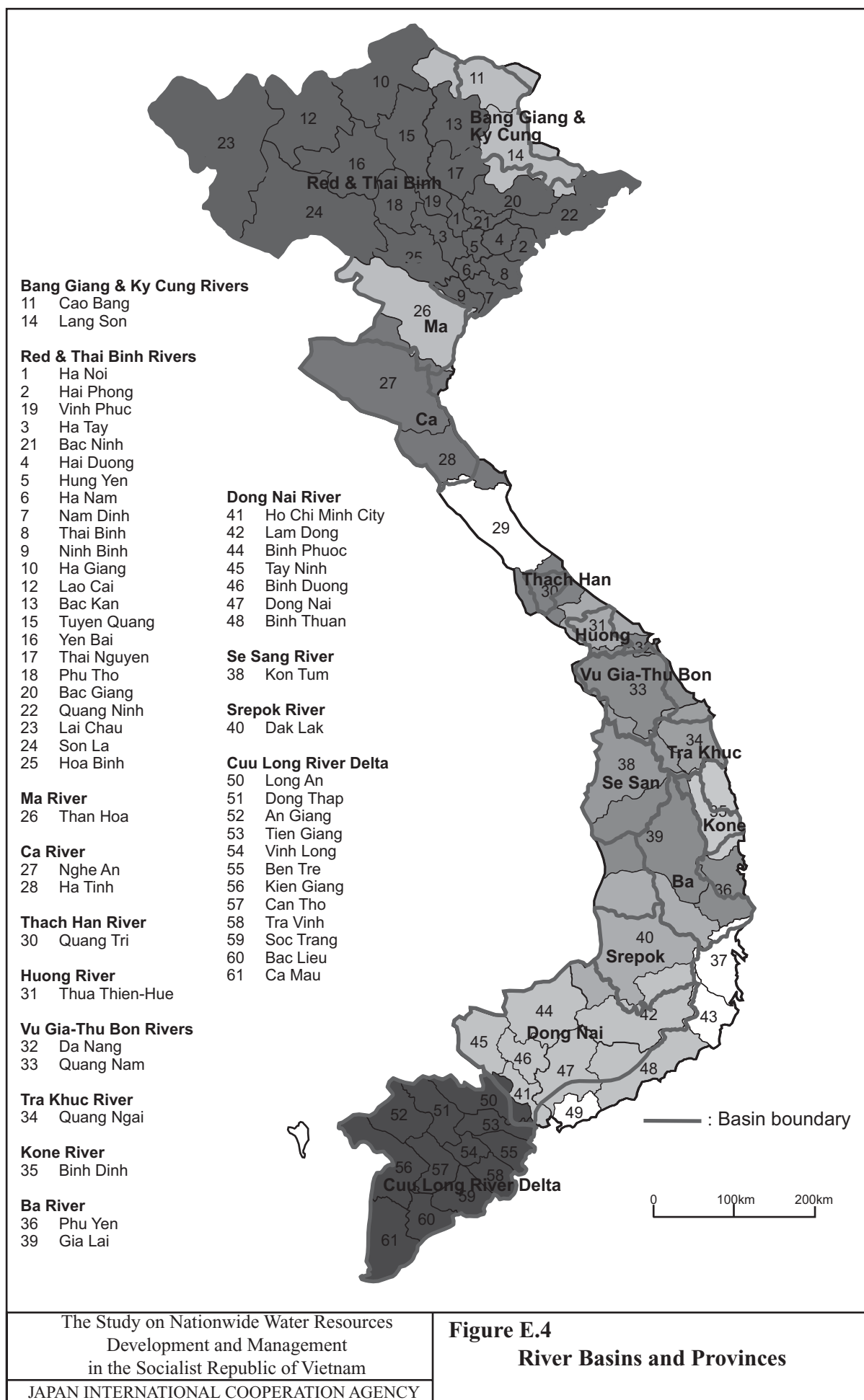


Figure E.3 Changes of Industrial Structure



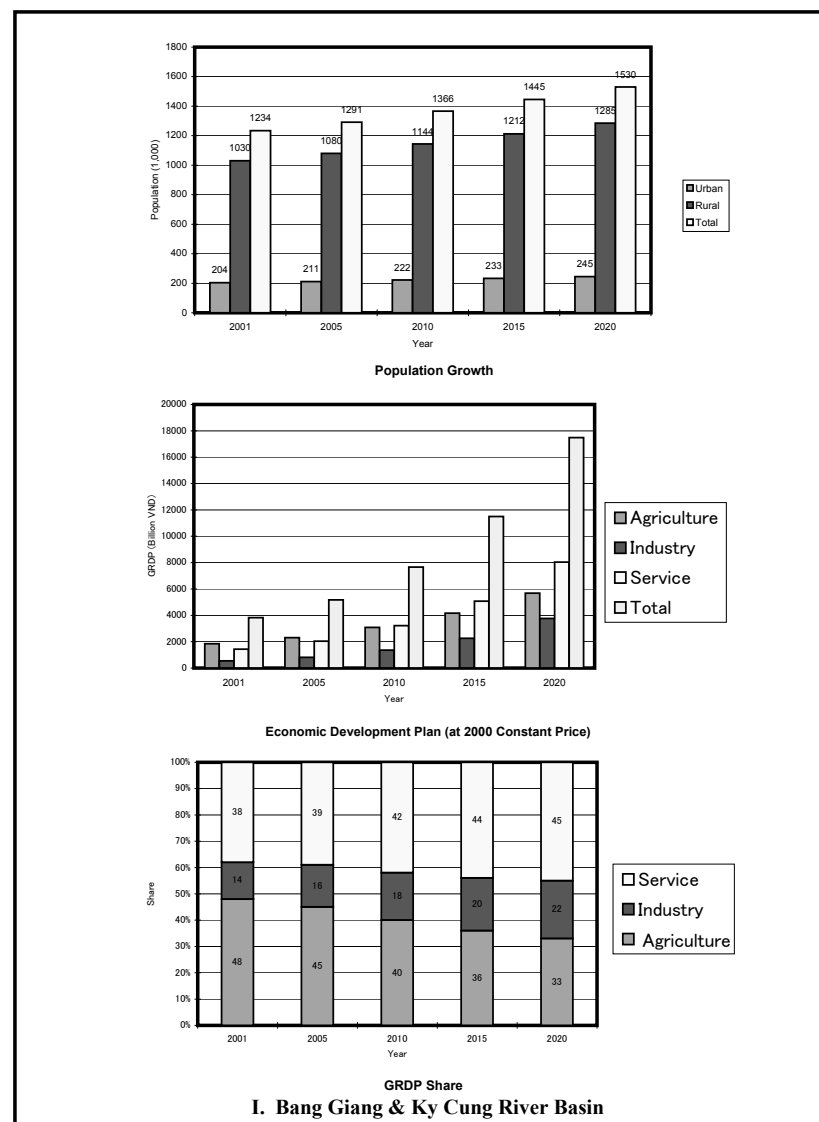


Figure E.5 Macro-economic Targets of the Provinces by River Basin (1/8)

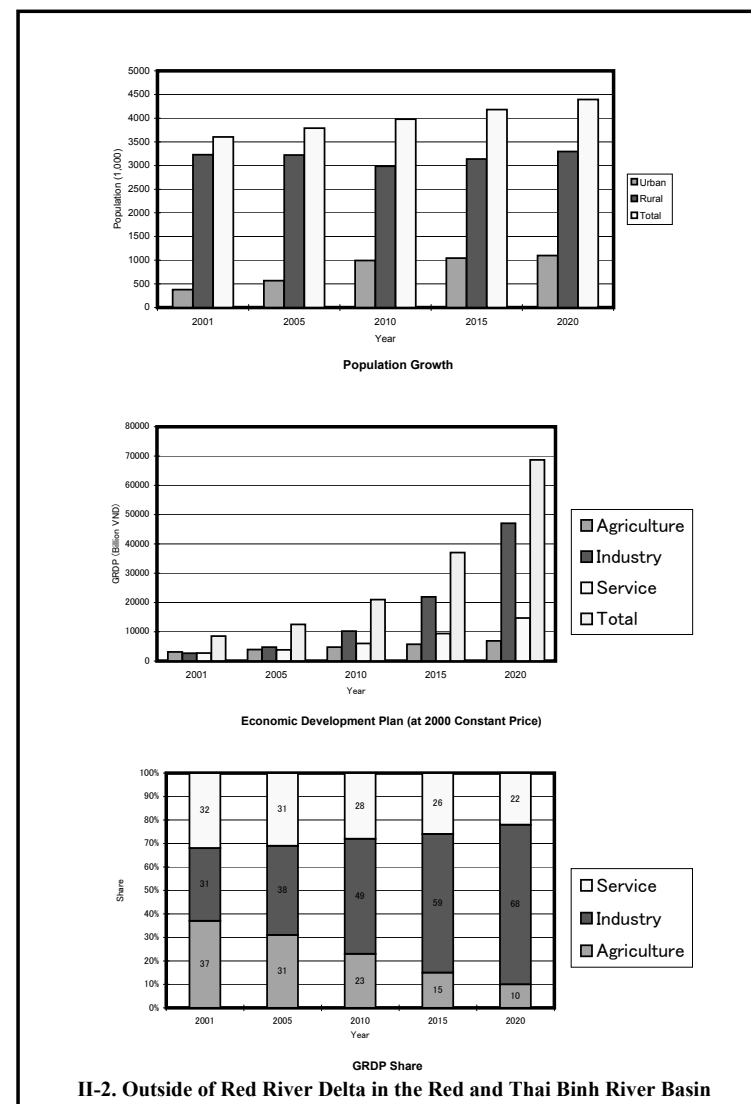
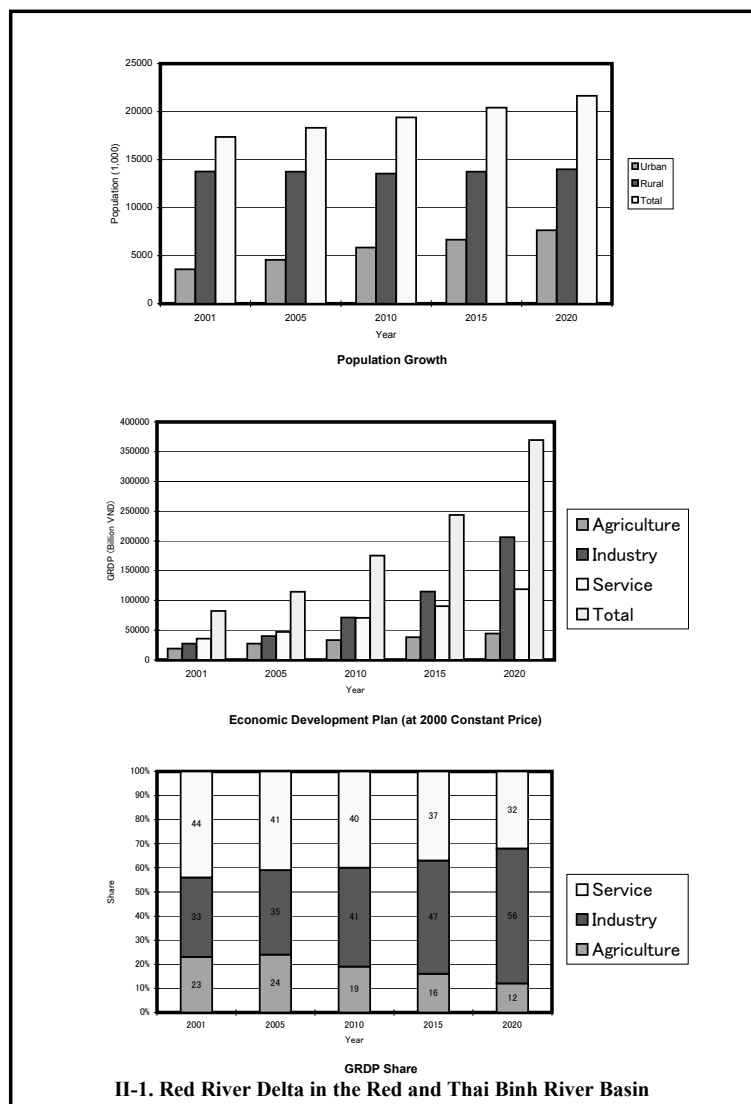


Figure E.5 Macro-economic Targets of the Provinces by River Basin (2/8)

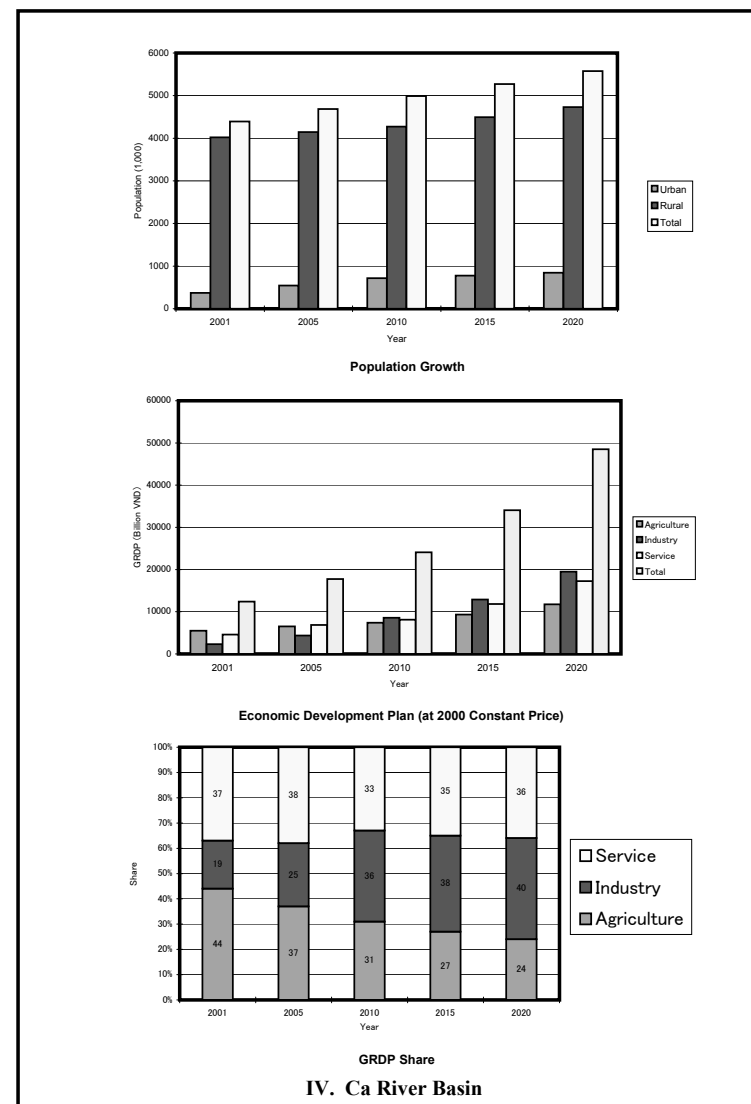
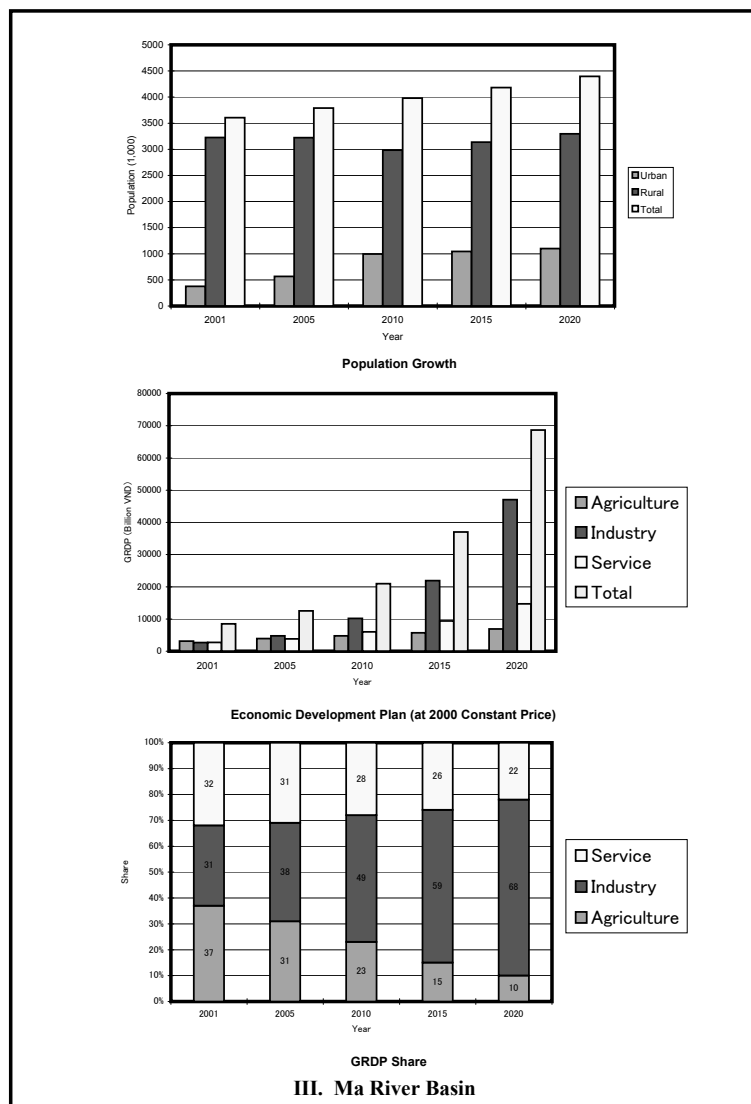


Figure E.5 Macro-economic Targets of the Provinces by River Basin (3/8)

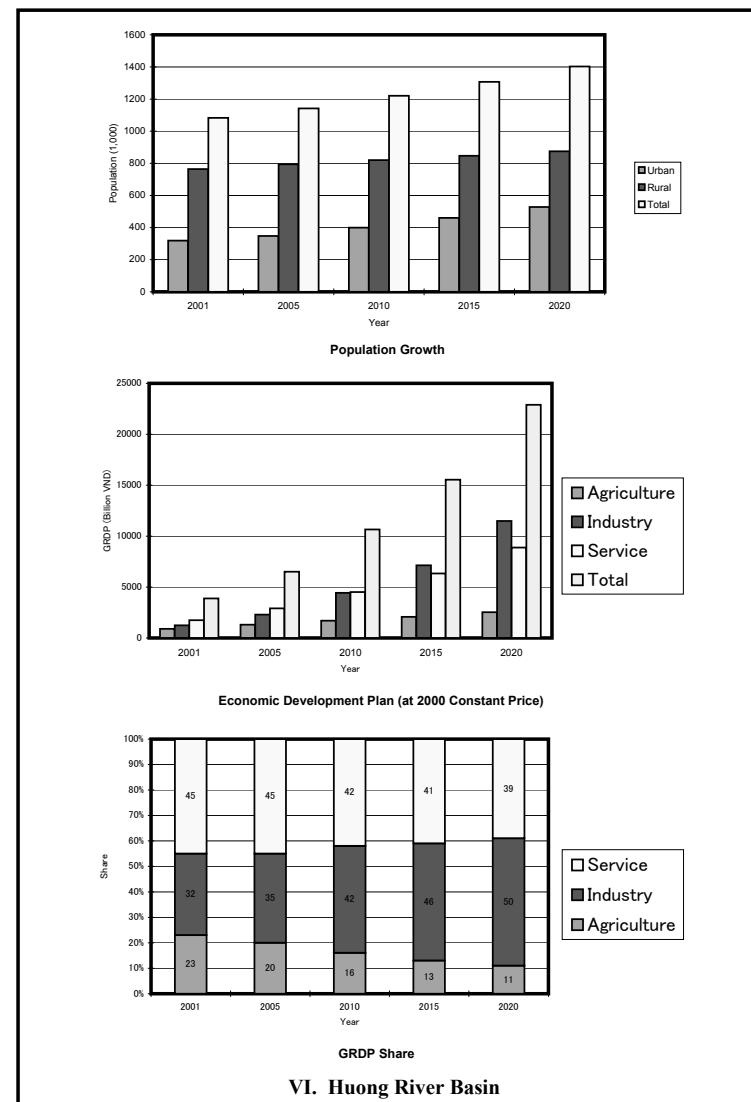
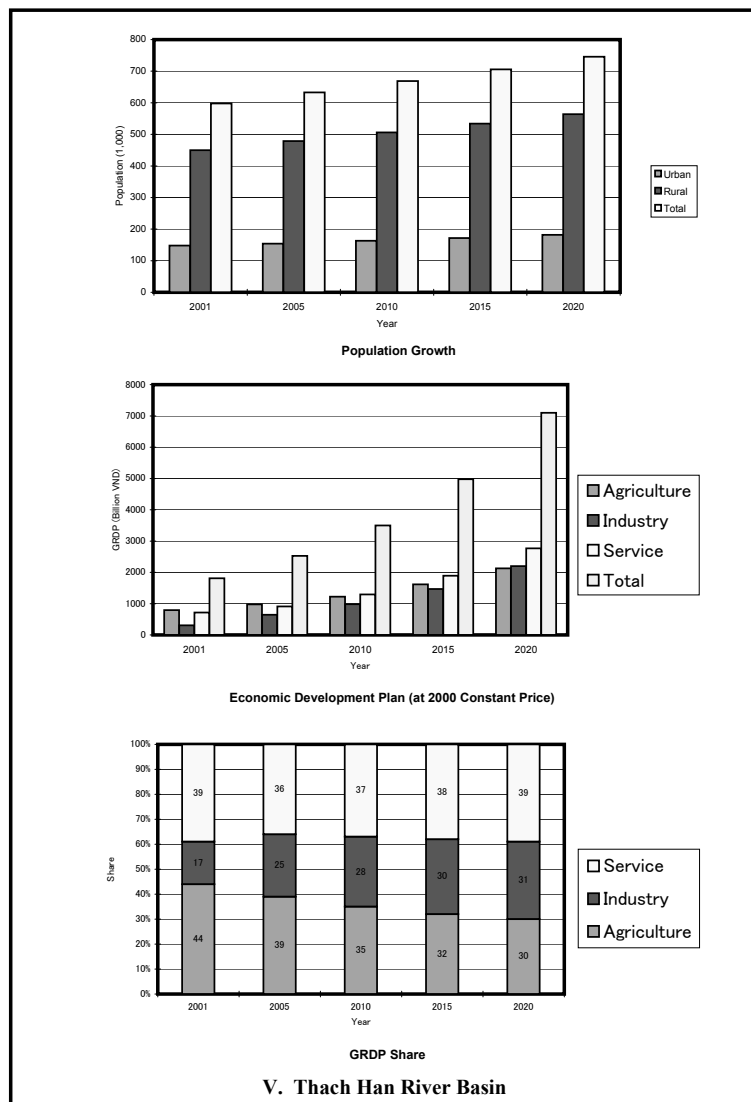


Figure E.5 Macro-economic Targets of the Provinces by River Basin (4/8)

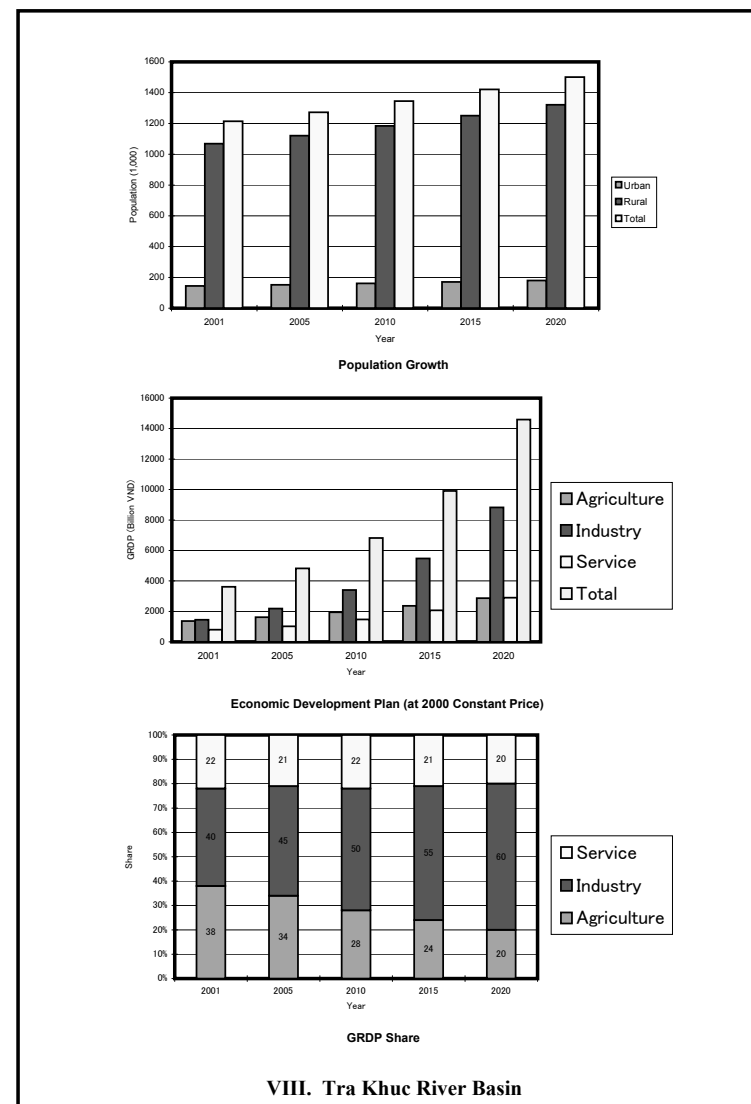
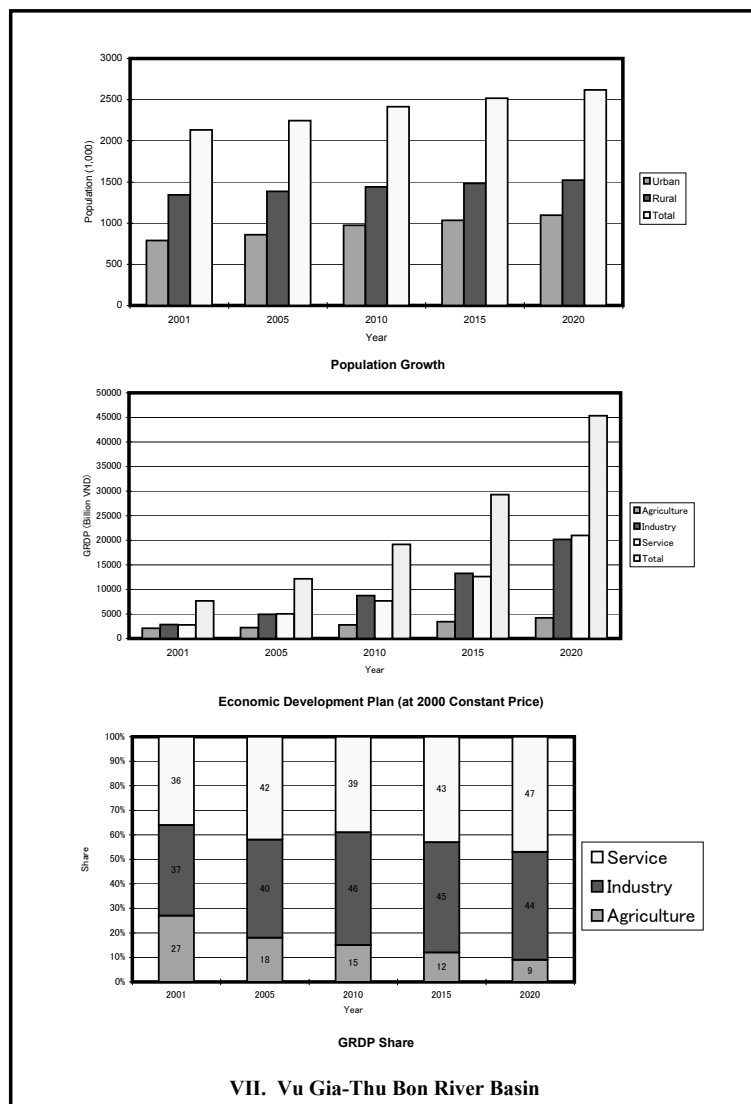


Figure E.5 Macro-economic Targets of the Provinces by River Basin (5/8)

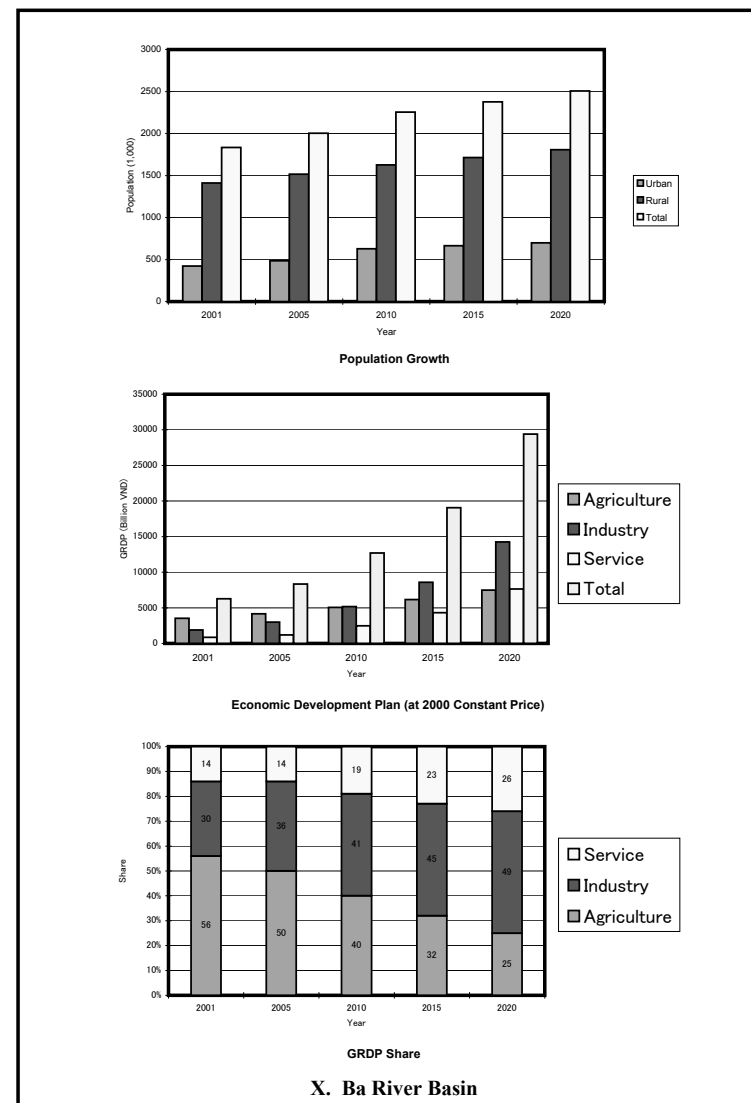
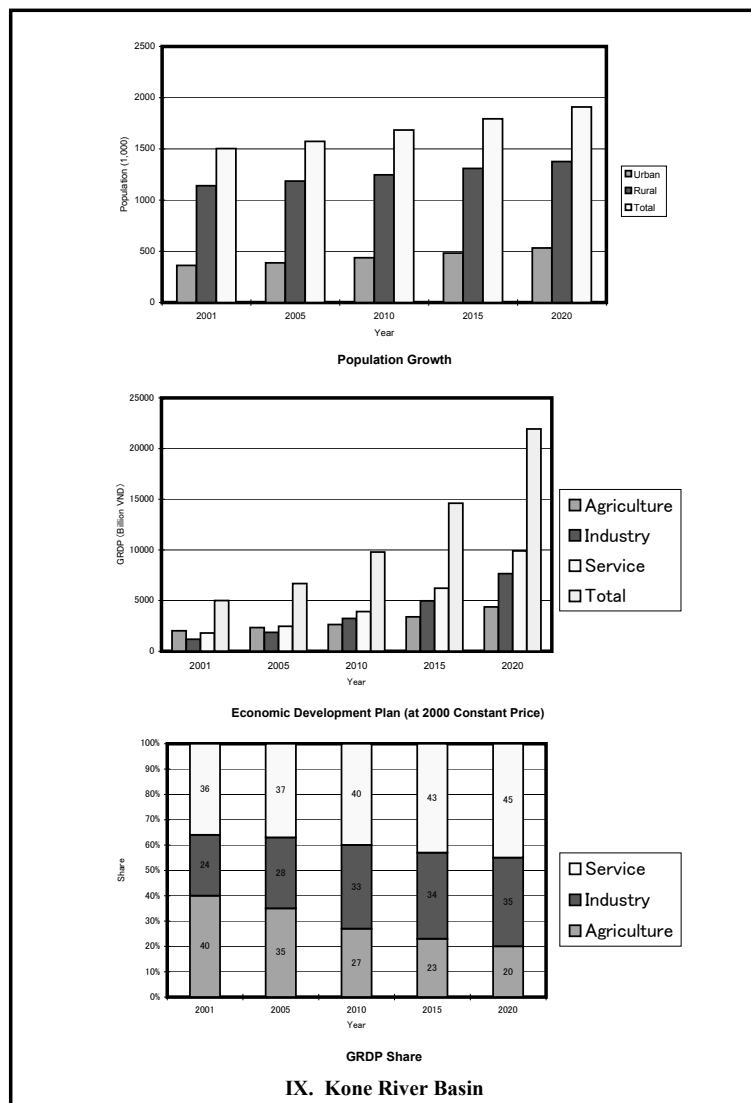


Figure E.5 Macro-economic Targets of the Provinces by River Basin (6/8)

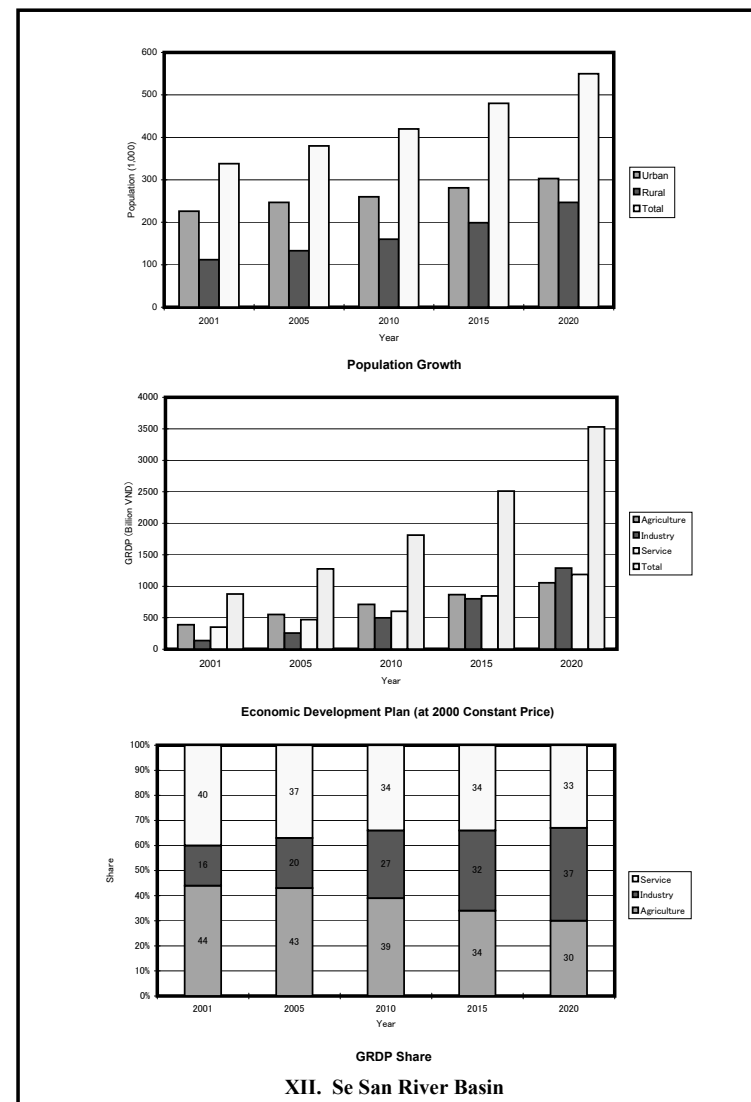
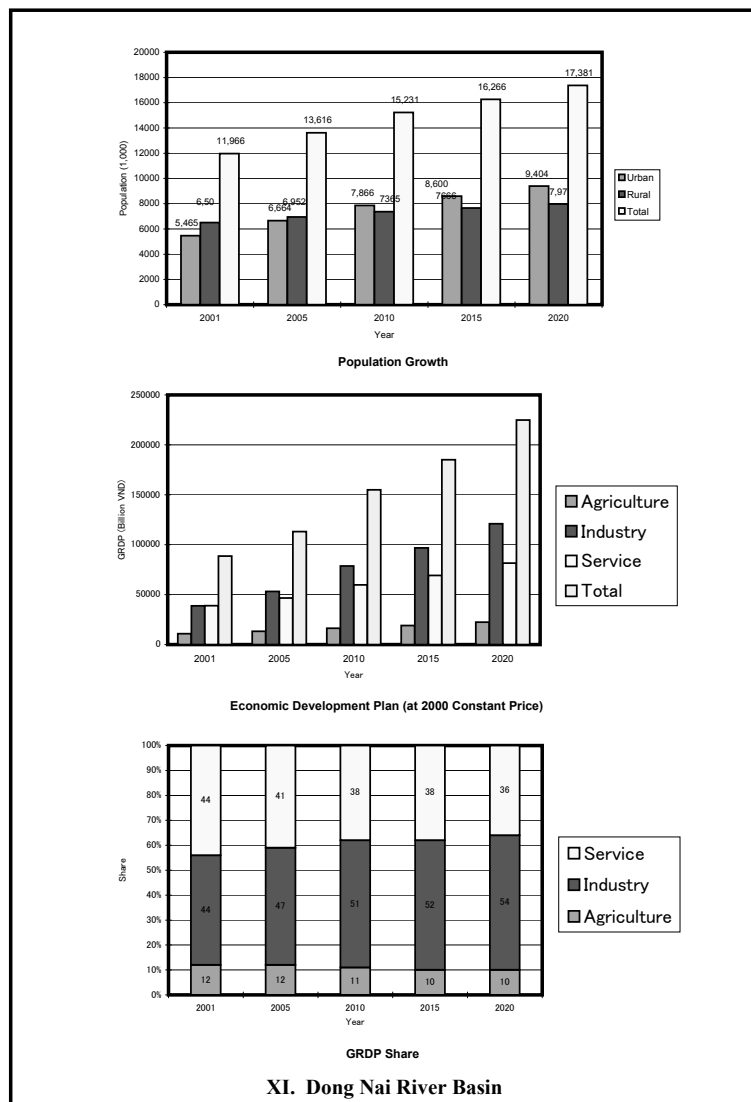


Figure E.5 Macro-economic Targets of the Provinces by River Basin (7/8)

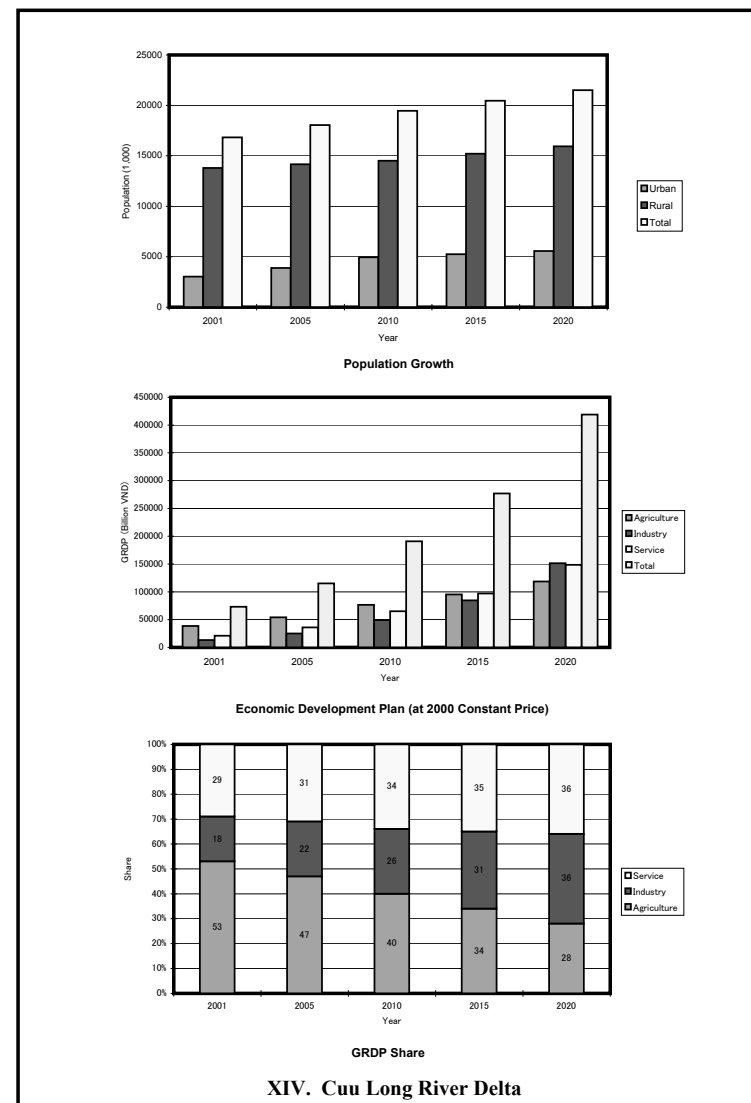
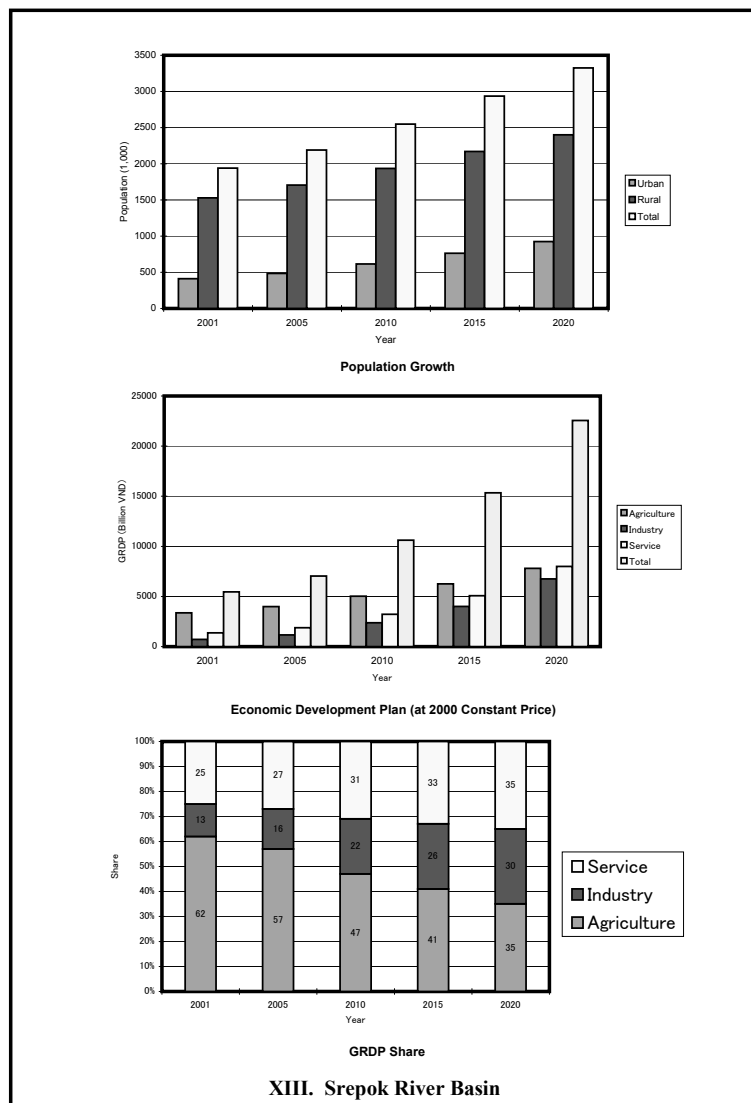


Figure E.5 Macro-economic Targets of the Provinces by River Basin (8/8)