icological procession in the relative procession is a second constraint of the second constraint of the second

Contraction of the second

1.4

E. S. Wall

数在1.7年度有效要求。1.7年至1.1度扩展,1.7年

4: 16:

# MINISTRY OF CONSTRUCTION GOVERNMENT OF THE REPUBLIC OF KOREA

# PRELIMINARY FEASIBILITY REPORT ON THE LONG-TERM MULTIPURPOSE DAM SCHEMES

(SECOND STAGE)

VOL. 2

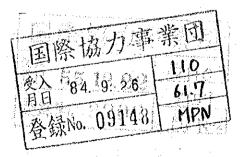
**ANNEXES** 

JULY 1979

JAPAN INTERNATIONAL COOPERATION AGENCY

JIMA LIBRARY

1048641E33



# VOL. 2

- A GENERAL ECONOMY
- B METEOROLOGY AND HYDROLOGY
- C FLOOD INFLOW TO THE PROPOSED DAMSITES
- D FLOOD CONTROL EFFECT BY THE PROPOSED DAMS
- E SOIL
- F AGRICULTURE

••

#### **GLOSSARY**

# Local Terms of Administrative Areas

Do - Province

Gun - Subdivision of province, similar to a county

Myeon - Subdivision of a gun

Ri - Village of community of more than one village

Eub - Town of the administrative level of a Myeon

Si - City of the administrative level of a Gun

Si - Special City of the administrative level of a Do

Gu - Subdivision of special city equivalent to Gun

Dong - Subdivision of Gu or Si equivalent to Myeon or Eub

Sa - Temple

# Natural Features

San - Mountain

Cheon - Small river

Gang - Larger river

Do - Island

Bug - North

Dong - East

Nam - South

Seo - West

# Spelling of names of places, rivers, etc.

The forms of English spelling of the regions, rivers, etc. that have been adopted are those promulgated by the National Ministry of Education.

## CONVERSION FACTORS AND ABBREVIATIONS

```
7)
                                              Electrical Measures
1)
   Length
                                                      Volt.
    mm =
           millimetre
                                                      Ampere
           centimetre
                                              Α
    cm =
                                              H
                                                      Hertz (cycle)
    m =
           metre
                                              kV
                                                      Kilovolt
    km =
           kilome tre
                                                      Watt
                                              W
                                              kW
                                                      Kilowatt
2)
    Areas
                10^4 \text{ m}^2 \text{ 2} hectare
                                              MW
                                                      Megawatt
    ha
                                                      Kilowatt hour
                                              kWh =
                 3.31 m
             ==
    pyeong
                 300 \text{ pyeong} = 992 \text{ m}^2
                                              MWh =
                                                      Megawatt hour
             ---
    danbo
                                              GWh ==
                                                      Gigawatt hour
                10 \text{ danbo} = 0.992 \text{ ha}
    ieongbo =
                                              Ohm =
                                                      Resistances
                                              mho =
                                                      Micromhos = conductance
    Volume 

             1.000 \text{ cm}^3 = 1 \text{itre}
                                              Other Measures
                                          8)
    1it =
    Seok =
             Volume containing
                                              ppm =
                                                       parts per million
             100 kg unhulled rice
                                                       per cent
             144 kg polished rice
                                              0/00 =
                                                       per thousand
             105 kg barley
                                                       Horse power (75 mkg/s)
                                              PS
             138 kg naked barley
                                                       scale for acidity
                                               pН
             141 kg polished barley
                                               °C
                                                        degree centigrade
             138 kg wheat
                                              103
                                                        thousand
             114 kg unhulled millet
                                              10^{6}
                                                       million
             124 kg polished millet
                                                       billion (milliard)
             142 kg rye
             135 kg corn
                                          9)
                                              Derived measures are based
             135 kg soybeans
                                              on the same symbols:
                                              m^3/s
                                                          cuvic metre per second
4)
    Weight
                                               ton/ha =
                                                          ton per hectare
             milligramme
    mg
                                              kWh/yr = kilowatt hour per year
             gramme
    g
                                                          kilovolt ampere
    kg
             kilogramme
             1,000 \text{ kg} = \text{ton}
     ton
                                         10)
                                               Technical Terms
             3.75 kg
     gwan =
                                                       Biochemical oxygen demand
             0.16 \text{ gwan} = 600 \text{ g}
                                              BOD =
    geun =
                                                        Diameter
                                               dia. =
                                                        Elavation above mean sea
    Time
                                              E1.
5)
                                                        leve1
              second
    s
                                                        Height or water head
                                              H
              minute
    min
                                                        Reservoir high water surface
                                              HWS =
    h
             hour
                                              K
                                                        Potassium
              day
     đ
                                               LWS
                                                        Reservoir low water surface
              year
    уr
                                              N
                                                        Nitrogen
                                               P
                                                        Phosphorus
    Money
                                               PVC-
                                                        Polyvinyl chloride
                                                    =
                                                        Triple superphosphate
     $
                                               TSP
              US dollar
                                                        Tailwater surface of
             Won
                                               TWS
             ₩ 485, 1978 price level
$ 10<sup>-3</sup>
                                                        turbine
```

mill =

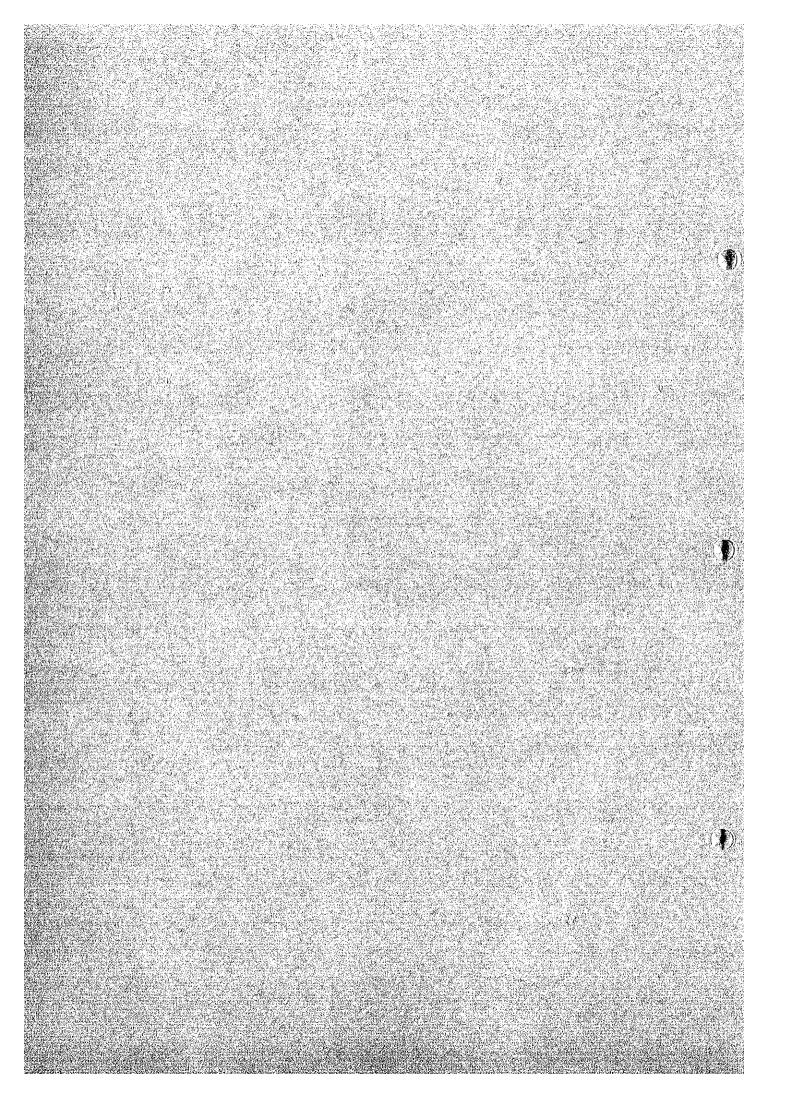
# ABBREVIATIONS

ADB	Asian Development Bank
ADC	Agricultural Development Corporation
BOK	Bank of Korea
DMZ	Demilitarized zone
EPB	Economic Planning Board
FAO	Food and Agriculture Organization of the United Nations
FLIA	Farm Land Improvement Association
HRBS	USAID/KOWACO Han River Basin Joint Survey Team
IBRD	International Bank for Reconstruction and Development
IR	International Rice Research Institute
ISWACO	Industrial Site and Water Resources Development Corporation
JICA	Japan International Cooperation Agency
KECO	Korea Electricity Company
KOWACO	Korea Water Resources Development Corporation, previous name of ISWACO
MAF	Ministry of Agriculture and Fisheries
MOC	Ministry of Construction
NACF	National Agricultural Cooperatives Federation
OECF	Overseas Economic Cooperation Fund, Japan
ORD	Office of Rural Development
PORD	Provincial Office of Rural Development
UNDP	United Nations Development Programme
UNSF	United Nations Special Fund
US/AID	United States Agency for International Development
USDA	United States Department of Agriculture
USCE	United States Corps of Engineers
KOR 13	UNDP/FAO Soil Survey Project
KOR 16	UNDP/FAO Pre-Investment Survey of the Nagdong River Basin Project
KOR 72	UNDP/FAO Nagdong River Basin Delta Study
KOR 75	UNDP/FAO Nagdong River Basin Development Project Feasibility Study



ANNEX A

GENERAL ECONOMY



# TABLE OF CONTENTS

				Pa	ıge
A	1	INTROI	DUCTION	A	1
A	2	LAND A	AND POPULATION	A	2
		A 2.1	Land and Administrative Division	A	2
	٠	A 2.2	Population	A	2
			A 2.2.1 National population	Α	2
			A 2.2.2 Regional population	A	3
			A 2.2.3 Urban and rural population	A	3
A	3	ECONOM	Y OF KOREA	A	4
		A 3.1	Gross National Product (GNP)	Α	4
		A 3.2	Foreign Trade	A	4
		A 3.3	Wholesale and Consumer Prices	A	5
		A 3.4	Employment	A	6
		A 3.5	Infrastructure	A	6
			A 3.5.1 Transportation	Α	6
			A 3.5.2 Communication	A	7
			A 3.5.3 Power	A	7
		A 3.6	Fourth Five-Year Economic Plan	A	8
A	4	POPULA	TION PROJECTION	Α	9
		A 4.1	Projection of National Population	A	9
		A 4.2	Projection of Basin Population	Α .	10
A	5	GNP PRO	OJECTION	<b>A</b> :	12
		ਸ਼ੁਕ ਸ਼ੁਸ਼ ਸ਼ੁਕ	NCES		10

# LIST OF TABLES

			Page
A	1	HISTORICAL POPULATION OF NATION, TWO SPECIAL CITIES AND PROVINCES	A 14
A	2	HISTORICAL POPULATION OF MAJOR CITIES	A 15
A	3	TABLEAU E CONOMIQUE	A 16
A	4	BALANCE OF PAYMENT	Λ 21
A	5	THE FOURTH FIVE-YEAR ECONOMIC DEVELOPMENT PLAN	A 22
A	6	HISTORICAL AND PROJECTED BASIN POPULATION	A 23
A	7	PROJECTED NATIONAL POPULATION	A 25
A .	8	PROJECTED GNP OF KOREA	A 25

# LIST OF FIGURES

Α	1	Historical	and	Projected	National	Population
---	---	------------	-----	-----------	----------	------------

- A 2 Historical and Projected Basin Population as Percentage of National Population
- A 3 Historical and Projected Basin Population
- A 4 Historical and Projected GNP

#### A 1. INTRODUCTION

This ANNEX presents the social and economic data of whole nation and the studied areas; the Han, the Nagdong and the Seomjin river basins, to facilitate for the study of the Long-Term Multipurpose Dam Schemes.

The projections of GNP and population for the whole nation and each basin included in this ANNEX as well were incorporated into the power demand (ANNEX J) and water demand (ANNEX H) projections.

The basic data for the analysis were gathered from national and provincial publications and from relevant study reports.

#### A 2 LAND AND POPULATION

#### A 2.1 Land and Administrative Division

The Republic of Korea of 98,758 km<sup>2</sup> consists of the southern half of the Korean peninsula and surrounding islands, being located approximately between 33° and 39° north in latitude and between 124° and 131° east in longitude.

Korea is administratively divided into 2 Special Cities, 9 Dos (provinces), 138 Guns (counties) and 34 Sis (cities). Guns are composed of Myeons (rural districts of Gun) and Eubs (urban districts of Gun), both of which are subdivided into Ris (villages). Large cities are divided into Kus (wards) each of which are further divided into Dongs (towns).

# A 2.2 Population

# A 2.2.1 National population

According to the latest population census conducted on October 1, 1975, the national population of Korea was  $34.7 \times 10^6$  persons with the density of 351 persons/km<sup>2</sup>, which indicated that Korea belonged to the group of countries of the-highest-densely-populated in the world. The past population censuses conducted six times in the past showed high growth rates after the Korean War. The growth rate, however, has steadily declined from 3.0 % in the period of 1955-1960 to 2.0 % in 1970-1975. The Government's effort to promote family planning has been one of the causes of this declining trend. The census populations in the period of 1955-1975 are presented below (Ref. A 11):

	1955	1960	1966	1970	1975
Population (10 <sup>3</sup> persons)	21,526	24,989	29,193	31,435	34,709
Average Annual Growth Rate (%)	1.1.	3.0	2.6	1.9	2.0

# A 2.2.2 Regional population

The regional population based on the aforementioned past censuses indicates a migration trend to urban areas. As indicated in Table A 1, the population as percentage to the national population increased year by year in Seoul and Busan. On the contrary, that of provinces, though population itself increased, declined with only an exception of Gyeonggi Do in which located are industrial or satellite cities of Seoul such as Incheon, Suweon, Anyang, Euijeongbu, and Seongnam.

Especially in case of Seoul, population as percentage to the whole nation increased from 7 % in 1955 to 20 % in 1975.

# A 2.2.3 Urban and rural population

Urban population has been increasing rapidly in these years. According to the past population censuses, the urban population (the population in the cities with population of more than  $100 \times 10^3$ ) increased from 5.1  $\times 10^6$  in 1955 to  $16.3 \times 10^6$  in 1975, or in terms of percentage to whole nation, it was almost doubled from 24 % in 1955 to 47 % in 1975 (Table A 2).

#### A 3 ECONOMY OF KOREA

Major economic data are tabulated in Table A 3.

# A 3.1 Gross National Product (GNP)

The First Five-Year Plan for economic development started in 1962. Since then, the economy of Korea has made a rapid progress.

During the period of 10 years from 1966 to 1976, GNP (at 1978 constant price) increased from W 6,150 x  $10^9$  to W 17,030 x  $10^9$  at the average annual growth rate of 10.7 %. The per capita GNP (at current price) rose from \$ 126 to \$ 692 in the same period (Table A 3).

In 1978, according to the preliminary figures presented on January 5, 1979 by the Bank of Korea, the GNP is reported to have amounted to  $\forall$  22,260 x  $10^9$  (\$ 46 x  $10^9$ ). The per capita GNP is accordingly estimated to have exceeded \$ 1,000 for the first time (\$ 1,242).

As the economy made a rapid progress, the industrial structure has changed with a fast pace. During the period of 1966-76, the weight of agriculture, forestry and fishery sector in GNP declined from 35 % to 25 %, while that of manufacturing sector rose from 19 % to 30 %.

#### A 3.2 Foreign Trade

The rapid growth of Korean economy would be attributable to the export-oriented industrialization policy.

The commodity exports increased from  $\$250 \times 10^6$  (at current price) in 1966 to  $\$7,720 \times 10^6$  in 1976 with an average annual growth rate of more than 40 %. In 1977, it exceeded the  $\$10,000 \times 10^6$  level for the first time and it was reported to have amounted to  $\$12,720 \times 10^6$  for the year of 1978.

Major commodities of exports in 1976 included, in order of value, clothing, textile yarn and fabrics, electrical machinery, miscellaneous manufactured articles, footwear, iron and steel, transport equipments and fish and fish preparations.

As export increased, the commodities imports, major of which were raw materials and manufactured goods, has swelled as well. The commodity imports increased from \$ 720 x  $10^6$  in 1966 to \$ 8,770 x  $10^6$  in 1976 with an average annual growth rate of about 28 %. In the year of 1978, the commodity import was reported to have amounted to \$ 14,610 x  $10^6$ .

Major commodities of imports in 1976 included, in order of value, petroleum and petroleum products, machinery of metal-working, textile and electric, transport equipments, chemical elements and compounds, cereals and cereal preparations, iron and steel, wood, lumber and cork and textile fibres.

Reflecting the fact that imports have exceeded exports chronically, the international balance of payment has been kept unbalanced. But the deficit seems to have been reducing lately (Table A 4). In 1977, the unbalance of goods and services account amounted to \$ 210 x  $10^6$ . The deficit of merchandise trade (\$ 470 x  $10^6$ ) was surpassed by remittance of services abroad (\$ 1,720 x  $10^6$ ), mainly in the Middle East countries, and by tourism revenue (\$ 370 x  $10^6$ ). The capital and monetary gold account was nearly balanced.

The rapid improvement in international balance of payment has resulted in increase in foreign exchange reserves. The foreign exchange reserves increased from  $\$ 200 \times 10^6$  in 1966 to  $\$ 3 \times 10^9$  in 1976. At the end of 1977, it was reported to amount to  $\$ 4.3 \times 10^9$  (Table A 3).

The debt-service ratio that is defined as the repayment on loan as percentage of exports of goods and services had been gradually declining recently to several percent from the historical maximum at the beginning of 1970's (Table A 3). This means that the capacity to obtain new foreign loans has been improved in these years.

#### A 3.3 Wholesale and Consumer Prices

During the period of 1968-1973, the wholesale price had risen at an average annual rate of 9.1 %, but the world-wide oil crisis had raised it by 42.1 % in 1974. Thereafter, it kept settled down to 12.1 % in 1976 and 9.0 % in 1977. In 1978, however, it is rising again; in

October 1978, 13.1 % hike was estimated compared with one year before.

The consumer price had increased at an average annual rate of 9.9 % in the period of 1968-1973. In 1975, it rose as high as 26.3 % affected by the oil crisis. In the following years, it cooled down to 15.4 % in 1976 and 10.2 % in 1977. But in October 1978, the average annual increase of 17.0 % was reported.

#### A 3.4 Employment

The rapid expansion of economy has increased the opportunities of employment. The employment increased at an average annual rate of 4 % during 1966-1976. During this period, employment in the agriculture, forestry and fishery sector increased by 0.7 x  $10^6$  persons. While, in the mining and manufacturing sector, employment increased by 1.8 x  $10^6$  persons. As a result, the share of employment of the agriculture, forestry and fishery declined from 58 % to 45 %, while that of the mining and manufacturing rose from 11 % to 22 %. The ratio of unemployment decreased from 7.1 % to 3.9 % during the same period.

## A 3.5 Infrastructure

#### A 3.5.1 Transportation

#### (1) Road

The total length of national and provincial roads in Korea was 45,660 km in 1977, of which 12,100 km or 27 % were paved. Recently many express highways have been constructed or planned; the total length of the express highway is planned to be 1,700 km by 1991. The road condition as of 1977 is summarized below.

	Total Length (km)	Paved (%)	Unpaved (%)	To be improved (%)
Express Highway	1,225	100.0	-	<del></del>
National Road	8,232	51.3	48.6	0.1
Provincial Road	36,207	18.4	73.0	8.6
Total	45,664	26.5	66.7	6.8

#### (2) Railway

The railway system in Korea is well developed connecting all major cities throughout the country. In 1977, the total length of the railway was 5,710 km, of which 14 % was electrified. The railway carried about 302 x  $10^6$  passengers and about 48 x  $10^6$  tons of cargo in 1977.

#### (3) Airlines

There are three international airports in Korea and domestic airlines connect eight cities over the country by jet planes. The airline carried about  $1.1 \times 10^6$  passengers in 1977.

#### A 3.5.2 Communication

The communication facilities of Korea is well conditioned. In 1977, there were about 1.5 x  $10^6$  telephones of which 82 % was automatic calling.

The communication facilities as of 1977 is as shown below.

	Telephone	Telegraph & Telephone Office	Post Office
Total Numbers	1,537,100	50	1,980
No. of Persons per Unit	23.7	728,600	18,400

# A 3.5.3 Power

The generation capacity of electric power was 5,780 MW at the end of 1977 of which thermal power occupied 88 %, while hydropower was only 12 %.

In July, 1978, the first Korean nuclear power plant was completed in Gori with the installed capacity of 587 MV.

The energy sales and annual peak demand in 1977 in Korea Electric Company's system were 22,833 GWh and 4,187 MW, respectively, and their growth rate for preceding three years were as high as 17.6 % and 12.8 %.

The installation of new generating facilities will be quickly required accompanied with the expansion of economy.

# A 3.6 Fourth Five-Year Economic Development Plan

The Government launched the Fourth Five-Year Economic Development Plan (1977-1981) in 1977 aiming at an economic growth of 9.2 % (in real terms) per annum during the plan period. The total investment of  $\mathbb{W}$  18,000 x 10 9 (\$ 37 x 10 9) is expected.

The major objectives of the Fourth Five-Year Plan include increase of employment opportunities, expansion of investment for social development and achievement of equilibrium in the balance of payment.

When these targets are achieved, GNP in 1981 will reach W 16,210 x 10<sup>9</sup> (at 1975 constant price). The per capita GNP (at current price) is expected to increase from \$ 692 in 1976 to \$ 1,512 in 1981 (Table A 5).

#### A 4 POPULATION PROJECTION

Projections of national population and basin population were conducted in this study for the purpose of supplying basic data to other field of studies including water requirement projection, power demand projection and others.

# A 4.1 Projection of National Population

The projection of national population was made on the basis of the projected growth rate. As stated before (A 2.2), the growth rate of population in Korea has been declining steadily for more than two decades. The descending trend of growth rate in population is generally observed in such countries where living standard is rapidly rising.

Analyzing the historical data and referring to the similar historical trend in other countries, the future average growth rate per annum was projected as shown below.

1976 - 1986 : 1.6 % 1987 - 1996 : 1.4 % 1997 - 2001 : 1.2 %

By applying the above projected growth rate to the base year population (mid-year of 1975), the future national population was projected as shown in Table A 7. In obtaining the base year population, the census population of October 1, 1975 was adjusted by extrapolation to estimate 1975 mid-year population.

The projected population is also depicted in Fig. A 1 together with previous projection for the convenience of comparison. In 1991, the present projection (44.0 x  $10^6$ ) fell close to the projection by KDI (45.3 x  $10^6$ ) that made the projection until 1991 (Ref. A 1). In 2001, the national population of 50.1 million persons with the population density of 507 persons/km² was projected in this study.

The newly projected national population was used as the basis for the projection of basin populations in A 4.2.

## A 4.2 Projection of Basin Population

Based on the latest population census conducted in October 1975, the basin population of the three studied rivers was estimated to be  $11.7 \times 10^6$  in the Han,  $6.0 \times 10^6$  in the Nagdong and  $0.9 \times 10^6$  in the Seomjin in the present study. It corresponded to 33.7 %, 17.2 % and 2.5 % of the national population, respectively.

Basin population of the three studied rivers has been estimated by previous studies such as Ref. A 3 for 1966 in the Han, Ref. A 4 for 1955, 1960 and 1966 in the Nagdong, and Ref. A 5 from 1961 through 1971 in the Seomjin.

According to the above-mentioned data, the basin population increased by  $3.1 \times 10^6$  in the nine years of 1966-1975 in the Han. In the same period, it increased by  $0.6 \times 10^6$  in the Nagdong while in the Seomjin it decreased by  $60 \times 10^3$ .

The future basin population was estimated by the Ratio Method, as follows:

- a) Obtaining the historical population ratios between the nation and the basin,
- b) Plotting the above ratios on graph paper,
- c) Determining the future population ratios (Fig. A 2) after studying the historical trends, socio-economic aspects and the government's development plans, and
- d) Deriving the future basin population by multiplying the ratios to the projected national population.

For the determination of the future population ratio between the nation and the Han basin, the whole basin was divided into two; Seoul and the Han basin excluding Seoul. The above historical and future population ratios were plotted and determined separately and aggregate to obtain the future population ratio of the whole Han basin.

The historical and projected basin population is presented in Table A 6 and Fig. A 3. In the Han and the Nagdong basins, the 2001 basin populations were projected to reach 16.5 x  $10^6$  and 7.0 x  $10^6$ , respectively, increasing with the compounded growth rate of 1.3 % and 0.6 %, while in the Seomjin, the basin population is estimated to decrease to 750 x  $10^3$  in 2001.

The population reduction expected in the Seomjin comes from the non-industrial characteristics of the basin. The social migration from the basin is expected to continue in a foreseable future.

#### A 5 GNP PROJECTION

GNP projection was made in the present study by means of a regression analysis by plotting the historical GNP (at 1978 constant price) from 1962 to 1978 on a semi-longarithmic paper. The regression coefficient was obtained to be 0.96.

The historical and projected GNPs at 1978 constant price are shown in Table A 8 and Fig. A 3 together with previous projections which were adjusted to 1978 constant price for the convenience of comparison.

The GNP projection made by KDI in 1977 (Ref. A 1) covers the period of 1977-1991. According to the KDI projection, in 1991, GNP will reach  $\forall$  77,800 x  $10^9$ , which corresponds to  $\forall$  72,400 x  $10^9$  by the present projection. When the KDI projection is extrapolated to 2001, these two projections are so close that the difference is only about 3 %.

According to the present projection, GNP of Korea in 2001 will amount to about \$ 400 x  $10^9$  at 1978 constant price level. The average annual growth rates are projected to be 9.8 % during 1976-81 and 10.3 % for the period of 1982-2001. Per capita GNP is projected to rise to \$ 7,940 in 2001 at 1978 constant price.

#### REFERENCES

- A 1 LONG-TERM SOCIAL AND ECONOMIC DEVELOPMENT 1977-1991, KDI, 1977
- A 2 THE FOURTH FIVE-YEAR ECONOMIC DEVELOPMENT PLAN 1977-1981, GOVERNMENT OF THE REPUBLIC OF KOREA, 1976
- A 3 RECONNAISSANCE REPORT ON WATER RESOURCES STUDY IN HAN RIVER BASIN, USAID/MOC/KOWACO, 1971, (HRBS)
- A 4 LAND AND WATER RESOURCES DEVELOPMENT PLANNING IN THE NAGDONG RIVER BASIN, UNDP/FAO, 1971, (KOR 16)
- A 5 STUDY REPORT ON THE YEONGSAN RIVER BASIN TO SUPPORT THE SEOMJIN RIVER BASIN DEVELOPMENT, MOC/ISWACO, 1973
- A 6 NATIONAL LAND DEVELOPMENT PLAN 1972-1981, MOC, 1971
- A 7 ECONOMIC STATISTICS YEARBOOK 1978, BOK
- A 8 KOREA STATISTICAL YEARBOOK 1962, 1967, 1973 & 1977, EPB
- A 9 ANNUAL REPORT OF ECONOMIC INDICATOR 1975 & 1976, EPB
- A 10 MONTHLY STATISTICS OF KOREA, EPB, Nov., 1978
- A 11 POPULATION CENSUS, 1955, 1960, 1966, 1970 & 1975, STATISTIC BUREAU, EPB
- A 12 IBRD ANNUAL REPORT 1978, IBRD

HISTORICAL POPULATION OF NATION, TWO SPECIAL CITIES AND PROVINCES Table A l

Unit: 10<sup>3</sup> persons

	ď	1955	1 5 1	1960	Ä	1966	1.5	1970		1975	
	Popu-	Percent	Popu-	Percent	Popu-	Percent	Popu-	Percent	Popu-	Percent	Popula- tion
Regions	tion	Nation (%)	tion	Nation (%)	tion	Nation (%)	tion	Nation (%)	tion	Nation (%)	density 2 (persons/km <sup>2</sup> )
Seoul	1,575	7.3	2,445	8.6	3,803	13.0	5,525	17.6	6,889	19.8	10,957
Busan	1,049	6.4	1,164	4.7	1,430	6.4	1,876	0.9	2,454	7-1	6,534
Gyeonggi Do	2,364	11.0	2,749	11.0	3,108	10.6	3,353	10.7	7,040	11.6	347
Gangweon Do	1,496	7.0	1,637	9.9	1,833	6.3	1,865	6,5	1,862	4.5	111
Chungcheong-bug Do	1,192	5.5	1,370	5.5	1,550	5.3	1,480	4.7	1,522	7.4	205
Chungcheong-nam Do	2,223	10.3	2,528	10.1	2,905	10.0	2,858	1.6	2,949	8.5	337
Jeonla-bug Do	2,116	6.6	2,395	9.6	2,523	8.6	2,432	7.7	2,456	7.1	305
Jeonla-nam Do	3,128	14.5	3,553	14.2	4,050	13.9	4,005	12.7	3,985	11.5	330
Gyeongsang-bug Do	3,364	15.7	3,848	15.3	4,477	15.3	4,556	14.5	4,859	14.0	245
Gyeongsang-nam Do	2,721	12.6	3,018	12.1	3,176	10.9	3,119	6.6	3,280	7.6	274
Jeju Do	289	1.3	282	r-   -	337	1.2	365	1.2	412	1.2	226
Whole country	21,526	100.0	24,989	100.0	29,193	100.0	31,435	100.0	34,709	100.0	351

Source; Ref. A 11

Table A 2 HISTORICAL POPULATION OF MAJOR CITIES (Cities of more than 100,000 population)

			Uni	t: 10 <sup>3</sup>	persons
Major Cities	1955	1960	1966	1970	1975
Seoul	1 <b>,</b> 575	2,445	3,803	5,525	6,889
Busan	1,049	1,164	1,430	1,876	2,454
Gyeonggi Do					
Incheon	321	401	527	643	800
Suweon	82	91	128	170	224
Seongnam	***		-		272
Euijeongbu	. <del>-</del>	-	75	94	108
Anyang	-	***	-	-	135
Bucheon	_	-		<b></b>	109
Gangweon Do					
Chuncheon	68	83	100	122	141
Weonju	76	77	104	112	120
Chungcheong-bug Do	÷			*	
Cheongju	- 81	92	124	144	193
Chungju	· <del>-</del>	69	80	87	105
Chungcheong-nam Do					
Daejeon	173	229	316	414	507
	2.0		320		50.
Jeonla-bug Do	106	100	221		211
Jeonju Gunsan	124 86	188 90	103	262 112	311 154
Iri	62	90 66	78	86	117
$\mathcal{C}_{i}$	02	00	70	00	117
Jeonla-nam Do	0.00	01/			
Gwangju	233	314	404	502	607
Mogpo	114	130	162	178	193
Yeosu Suncheon	73 62	87	102	114	131
	02	69	79	91	108
Gyeongsang-bug Do			•		
Daegu	489	677	848	1,081	1,311
Pohang	52	60	66	79	134
Gyeongju	65	76	86	92	108
Gyeongsang-nam Do		4 4	3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4 4	
Masan	130	158	155	191	372
Jinju	78	87	107	. 122	155
Jinhae	68	68	81	92	104
Ulsan	* <del></del> .	-	113	159	253
<u>Jeju Do</u>				:	
Jeju	60	68	88	106	135
Total	5,121	6,789	9,380	12,454	16,250
		***			

Source; Ref. A 11

Table A 3 TABLEAU ECONOMIQUE

	1961_	1966	1971	1976	1977	1978 <u>/2</u>
Gross National Product /1	(W 10 <sup>9</sup> )					
GNP at current price	297	1,032	3,152	12,143	15,240	22,256
GNP at 1978 price	4,244	6,146	10,101	17,031	18,792	22,256
Annual growth rate at 1978 price	5.1	7.7	10.4	11.0	10.3	18.4
Per capita GNP (at current \$)	87 (1962)	130	256	698	862	1,242
Proportion of GNP by Indu	stry (at	current	price)			
Agr., forestry & fishery	40.2	35.4	28.9	24.8	23.7	21.2
Mining & quarrying	1.9	1.6	1.1	1.0	1.2	28.2
Manufacturing	13.4	18.5	21.7	30.0	28.8	
Construction	3.2	3.7	5,3	4.6	5.7	
Electricity & water	1.2	1.4	1.7	1.5	1.8	
Transport. & communic.	4.6	4.9	5.8	5.5	5.6	50.6
Commerce	12.6	17.2	19.0	18.3	18.2	
Public admin. & defense	6.9	5.2	5.3	4.8	5.2	
0thers	15.1	10.8	11.3	10.6	10.3	
Rest of the world	0.9	1.3	-0.1	-1.1	-0.5	
	100.0	100.0	100.0	100.0	100.0	100.0
Proportion of Expenditure	on GNP					
Private consumption	82.6	78.0	74.2	65.5	62.4	
Government consumption	13.5	10.2	11.3	12.2	12.8	
Gross capital formation	11.6	20.2	23.2	23.3	25.2	
Increase in stocks	1.5	1.5	2.4	1.7	1.0	
Exports	5.3	10.3	16.3	36.3	39.7	
Less: Import	-14.8	-20.1	-27.5	-37.8	-39.8	
Statist'l discrep'cy	-0.6	-1.4	0.2	-0.1	-0.8	
Net income from abroad	0.9	1.3	-0.1	-1.1	-0.5	
Tot al	100.0	100.0	100.0	100.0	100.0	100.0

Remarks; Blanks show data not available.

Sources; <u>/1</u>: Ref. A 7

/2: Preliminary figures presented by BOK on Jan. 5, 1979.

Table A 3 Continued (2)

1961	1966	1971	1976	1977	1978 <mark>/2</mark>
3 persons	s) <u>/1</u>				
					14
	9,071	10,542	13,061	13,440	$14,510^{\frac{74}{}}$
$9,788\frac{/3}{}$		10,066		12,929	14,080
7,813	4,876	4,876	5,601	5,405	5,703
482	913	1,428	2,743	2,901	3,130
	·		<b>、</b>		
1,193	2,634 (31)	3,762	4,212 ( 33)	4,623	5,220
	648	476	505	511	430
	7.1	4.5	3.9	3.8	2.9
				· Williams	
2,830 <del>/6</del>	$5,480^{/}$	6 16,611	51,685	69,168	88,400
			115,274	154,519	211,880
			75,186	90,442	117,900
			64,287	89,188	109,390
<u>ar</u> ) <u>/4</u>					
84 <mark>/</mark> 3	162 <u>/</u>	6 452 <sup>1</sup>	7 1,152	1,405	1,807/5
d 70	167	427	1,441	1,784	_
			:	·	
10.8/8	23.0	8 33.5	82.2	89.8	$100.0\frac{/9}{}$
					/0
a not ava	ilable				
liminary . A 8 . A 10				)K on Jar	n. 5, 1979
	3 persons  9,788/3  7,813  482  1,193  2,830/6  ar)/4  84/3 d 70  10.8/8  10.5 a not ava  A 7 liminary  A 8  A 10	3 persons) /1  9,071  9,788/3 8,423 (100)  7,813 4,876 (58) 482 913 (11)  1,193 2,634 (31) 648 7.1  2,830/6 5,480/  10.8/8 23.0/ 10.5 22.1  a not available . A 7 liminary figure . A 8 . A 10	9,071 10,542 9,788/3 8,423 10,066 (100) 7,813 4,876 4,876 (58) 482 913 1,428 (11) 1,193 2,634 3,762 (31) 648 476 7.1 4.5  2,830/6 5,480/6 16,611  ar)/4  84/3 162/6 452/d 70 167 427  10.8/8 23.0/8 33.5 10.5 22.1 38.1 a not available. A 7 liminary figure present. A 8 A 10	9,071 10,542 13,061 9,788/3 8,423 10,066 12,556 (100) 7,813 4,876 4,876 5,601 (58) (482 913 1,428 2,743 (11) (22)  1,193 2,634 3,762 4,212 (31) (33) 648 476 505 7.1 4.5 3.9  62,362 2,830/6 5,480/6 16,611 51,685 115,274 75,186 64,287  ar)/4  84/3 162/6 452/7 1,152 d 70 167 427 1,441  10.8/8 23.0/8 33.5 82.2 10.5 22.1 38.1 79.3 a not available A 7 liminary figure presented by BC.	9,071 10,542 13,061 13,440 9,788/3 8,423 10,066 12,556 12,929 (100) (100) 7,813 4,876 4,876 5,601 5,405 (58) (45) 482 913 1,428 2,743 2,901 (11) (22)  1,193 2,634 3,762 4,212 4,623 (31) (33) 648 476 505 511 7.1 4.5 3.9 3.8  2,830/6 5,480/6 16,611 51,685 69,168 115,274 154,519 75,186 90,442 64,287 89,188  ar)/4  84/3 162/6 452/7 1,152 1,405 d 70 167 427 1,441 1,784  10.8/8 23.0/8 33.5 82.2 89.8 10.5 22.1 38.1 79.3 87.4 a not available. A 7 liminary figure presented by BOK on Jar. A 8 A 10

Table A 3 Continued (3)

	1961	1966	1971	1976	1977	1978 <u>/2</u>
Government Finance (W 10	<u>) /1</u>					٠.
Tax revenue	25 <u>/3</u>	95	453	2,093	2,577	3,311
Non-tax revenue	2.7	36	133	279	414	571
Total	52	131	586	2,372	2,991	3,882
National defense	18		135	712	1,000	1,239
Current expenditure		133	217	730	1,503	1,838
Fixed capital formation	34	25	89	365	557	636
Others		-	159	719	284	245
Net lending		14	40	34	37	73
Total	52	172	640	2,560	3,380	4,031
Deficit	0	41	54	188	389	148

Remarks; Blanks show data not available.

Sources; /1: Ref. A 7

 $\underline{/2}$  : Preliminary figures presented by BOK on Jan. 5, 1979.

<u>/3</u>: Ref. A 8

Table A 3 Continued (4)

	4 1 2							
	1961/3	1966	1971	1976	1977	1978/2		
Export (\$ 10 <sup>6</sup> FOB) (at current market price) /1								
Food & live animal	9	41	70	508	945			
Beverages & tobacco		7.	15	78	108			
Non-food material	21	47	45	196	300			
Fuel & lubricants	2	2	11	145	117			
Animal & vegetable oils	_		•••	1	5			
Chemicals	1	1	1.5	119	226	**		
Manufactured goods classified by materials	4	84	328	2,336	3,019			
Machinery & transport equipment	1	10	87	1,280	1,741			
Miscellaneous manufactured article	1	59	446	3,052	3,585			
Total	39	251	1,067	7,715	10,046	12,060		
Import (\$ 10 <sup>6</sup> C.I.F) (at current market price) /1								
Food & live animal	40	72	400	627	718			
Beverages & tobacco	-	; <del>-</del>	4	30	34			
Non-food material	63	154	463	1,565	1,943			
Fuel & lubricants	27	42	139	1,747	2,186			
Animal & vegetable oils	4	6	21	63	86			
Chemicals	62	135	201	866	990			
Manufactured goods classified by materials	40	125	363	1,146	1,526			
Machinery & transport equipment	42	172	685	2,387	2,952			
Miscellaneous manufactured article	22	10	68	343	376			
Total	300	716	2,344	8,774	10,811	13,960		

Remarks; Blanks show data not available.

Sources; : Ref. A 7

: Preliminary figure presented by BOK on Jan. 5, 1979. Ref. A 8

# Table A 3 Continued (5)

1971 1976 1977 1978 1966 1961 Exchange Rate /1 W/\$ at end of year (Basic exchange rate 130.00 271.46 373.30 484.00 484.00 484.00 by the Bank of Korea) Foreign Exchange Reserve /1 At end of year ( $$10^6$ ) 2,961 568 4,306 207 245 Debt Service Ratio  $\frac{/2}{}$  (%) 2.5 18.7 8.9 0.2

Remarks; Blanks show data not available.

Sources; /1 : Ref. A 7

/2 : Ref. A 9 for 1961 and 1966

Ref. A 12 for 1971 and 1976

Table A 4 BALANCE OF PAYMENT (at current price)

								Unit:	0T \$	
		1971	П	19	1976	19	1977	1978 (J	1978 (JanJune) $\frac{1}{1}$	السبو
-	A ANTHONY — THE PARTY PARTY FOR THE AND AND AND ANY PARTY PA	Credit	Debit	Credit	Debit	Credit	Debit	Credit	Debit	
	Goods & Services							-		
		. :								
	Merchandise	1,132	2,178	7,815	8,400	10,047	10,519	5,710	6,41I	
	Transport	75	199	354	621	558	879	١	480	
	Trave1	31	15	275	97	370	103	199	8	
	Investment income	29	119	69	516	140	734	160	777	
	Government N.I.E.	248	37	194	62	238	99	134	37.	
	Other services	101	98	750	475	1,721	985	1,331	861	
	Total (I)	1,616	2,634	9,457	10,120	13,074	13,284	7,808	8,313	
•	Transfer Payments	194	24	763	114	388	165	223	63.	
	Net Total (I + II)	1	848		314	13	ı	l	345	
•	Capital & Monetary Gold									
	Private long term capital	296	m	910	117	833	22	612	Ħ	
		153	18	439	83	329	308	-985	130	
		233	1	671	11	509	14	228	80	
	Central monetary institutions	21	-42	103	1,162	-71	966	-55	-424	
	Other monetary institutions	139	31	139	35.1	625	729	492	16	
	Others	2	0	15	-1	9	Γ.	. 3	0	
	Total (III)	844	10	2,277	1,723	2,085	2,066	295	-180	
	Net Total (III)	834	1 .	554	1.	19	ı	475	ı	
	Net Errors & Ommissions	14	i		240	İ.	32	1	130	
:	Total (I + II + III)	2,668	2,668	12,197	12,197	15,547	15,547	8,326	8,326	

Ref. A 7 /1 : Ref. A 10

Sources;

A 21

Table A 5 THE FOURTH FIVE-YEAR ECONOMIC DEVELOPMENT PLAN (1977-1981)

	. *		Total or Average Growth Rate
	1976	1981	for 1977-1981
GNP and Population			
GNP (₩ 10 <sup>9</sup> , 1975 price)	10,442.4	16,214.3	9.2 %
GNP (\$ 10 <sup>6</sup> , current price)	24,811	58,660	18.8 %
Population (10 <sup>3</sup> persons)	35,860	38,807	1.59 %
Per capita GNP (\$, current price)	692	1,512	
Growth Rate by Industry			
Agriculture, forestry & fisheries (%)	7.0	4.0	4.0
Mining & manufacturing (%)	26.7	12.8	14.2
Social overhead capital & other services (%)	11.8	7.7	7.6
Industrial Structure			
Agricultural, forestry & fisheries (%)	23.6	18.5	
Mining & manufacturing (%)	32.7	40.9	-
Social overhead capital & other services (%)	43.7	40.6	+
Expenditure on GNP (1975 price)			
Total consumption (₩ 10 <sup>9</sup> )	8,247.7	11,983.3	·
Gross investment (₩ 10 <sup>9</sup> )	2,896.5	4,219.9	18,008.1
(Ratio to GNP) (%)	27.7	26.0	26.2
Domestic savings (W 10 <sup>9</sup> )	2,194.7	4,231.0	16,645.1
Foreign savings (₩ 10 <sup>9</sup> )	701.8	-11.1	1,363.0
External Transactions (Current p	rice)		
Exports (\$ 10 <sup>6</sup> )	7,560	20,242	21.8 %
Imports (\$ 10 <sup>6</sup> )	8,155	18,872	18.3 %

Sources;

Ref. A 2

Table A 6 HISTORICAL AND PROJECTED BASIN POPULATION

	Year	Population	Average Annual	Percent to	Population	
	· · · · · · · · · · · · · · · · · · ·	(10 <sup>3</sup> persons)	Increase Rate (%)	Nation (%)	Density (persons/km²)	
1.	Han Basin					
	Historical					
	1966	8,583	erus.	29.4	327	
	1975	11,706	3.5	33.7	447	
	Projected					
	1981	12,900	1.6	34.0	492	
	1986	13,900	1.5	33.8	531	
	1991	14,800	1.3	33.5	565	
	1996	15,700	1.2	33.2	599	
	2001	16,500	1.0	33.0	630	
2.	Han Basin ex	cluding Seoul	<u>L</u>			
	<u>Historical</u>					
	1966	4,780		16.4	186	
	1975	4,817	0.1	13.9	188	
	Projected	1700				
	1981	4,930	0.4	13.0	193	
	1986	5,270	1.3	12.8	206	
	1991	5,550	1.0	12.5	217	
	1996	5,790	0.9	12.2	226	
	2001	5,990	0.7	12.0	234	

Remarks; Historical population was calculated from census populations; by Ref. A 3 for the Han for 1966, and by JICA team for 1975.

 $\underline{/1}$ : See Table H 8 for population of Seoul.

Table A 6 Continued (2)

	Year	Population (10 <sup>3</sup> persons)	Average Annual Increase Rate (%)	Percent to Nation (%)	Population Density (persons/km²)
3.	Nagdong Basi	n		•	
	Historical				
	1960	4,814	_	19.3	204
	1966	5,313	1.7	18.2	225
	1975	5,955	1.3	17.2	252
	Projected				
	1981	6,260	0.8	16.5	265
	1986	6,490	0.7	15.8	274
	1991	6,690	0.6	15.2	283
	1996	6,890	0.6	14.6	291
	2001	7,020	0.4	14.0	297
4.	Seomjin Basin	<b>n</b>			
				<u>.</u> :	
	1966	937	— 	3.2	191
	1970	870	-1.8	2.8	185
	1975	877	0.2	2.5	179
	Projected				
	1981	830	-0.9	2.2	172
	1986	800	-0.8	2.0	163
	1991	770	-0.8	1.8	157
	1996	760	-0.3	1.6	155
	2001	<b>7</b> 50	-0.3	1.5	153

Remarks; Historical population was calculated from census populations; by Ref. A 4 for the Nagdong and by Ref. A 5 for the Seomjin for the years before 1975, and by JICA team for 1975.

Table A 7 PROJECTED NATIONAL POPULATION

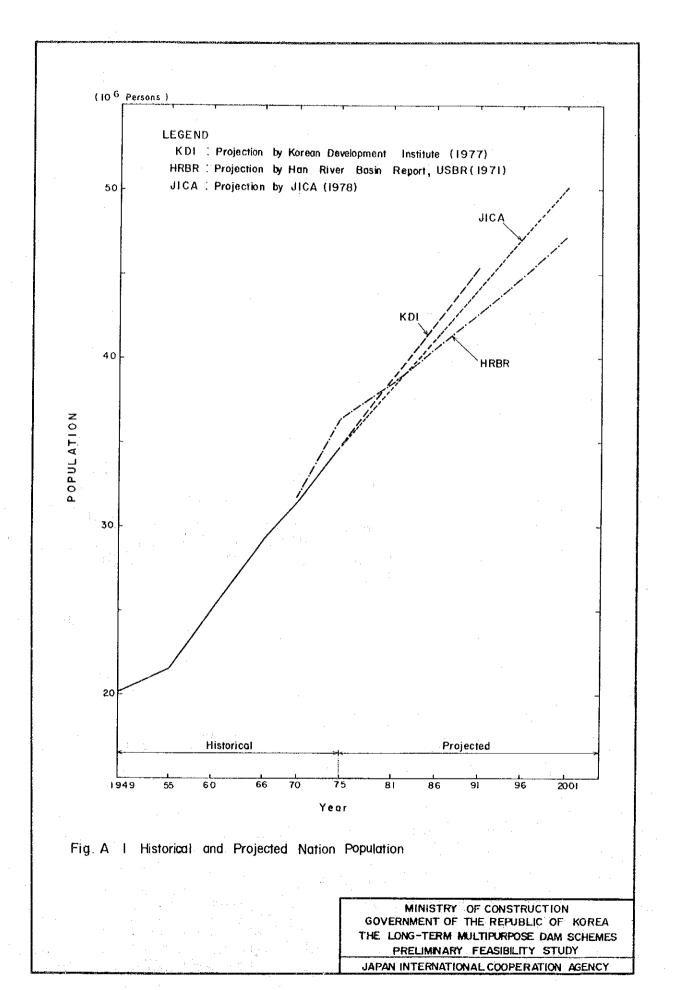
	National	Annual	Population	Previous P	rojections
Year	Population (10 <sup>3</sup> persons)	Growth (%)	Density (persons/km²)	HRBR (10 <sup>3</sup> persons)	KDI (10 <sup>3</sup> persons)
1981	37,950	1.6	384	38,479	38,807
1986	41,080	1.6	416	40,643	42,088
1991	44,040	1.4	446	42,716	45,451
1996	47,210	1.4	478	44,895	
2001	50,110	1.2	507	47,185	

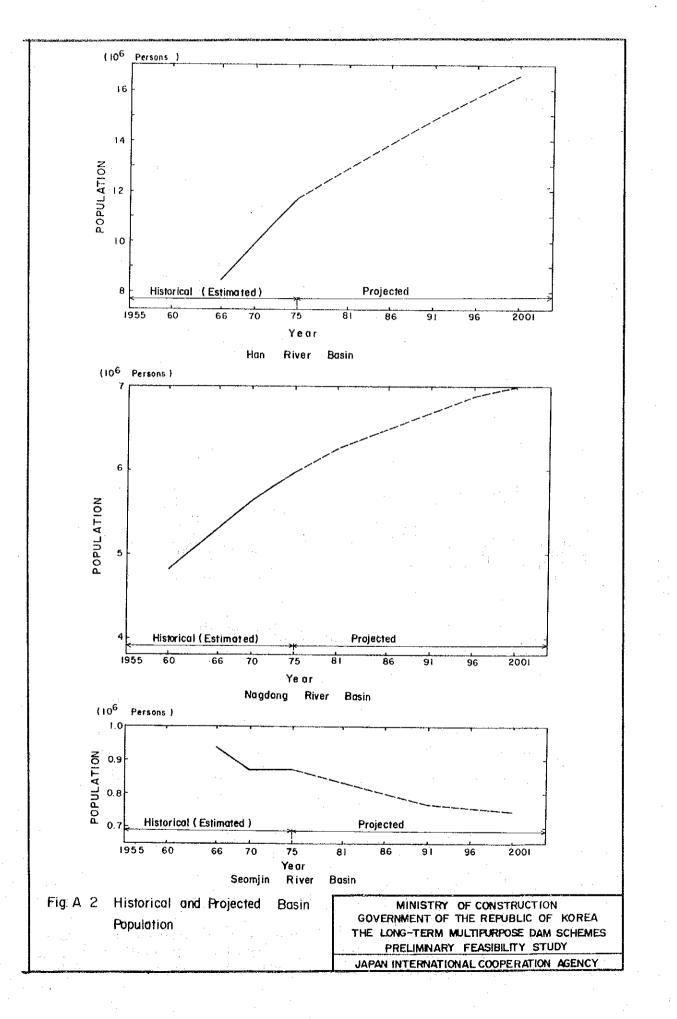
Table A 8 PROJECTED GNP OF KOREA (at 1978 constant price)

		Projec	Previous Projections			
Year	₩ 10 <sup>9</sup>	\$ 10 <sup>6</sup>	Per Capita (\$)	Annual Growth (%)	KDI/2 (₩ 10 <sup>9</sup> )	HRBR/ <u>1</u> (₩ 10 <sup>9</sup> )
1981	27,125	55,928	1,474	9.7	29,982	28,840
1986	44,301	91,341	2,224	10.3	48,286	42,489
1991	72,351	149,178	3,387	10.3	77,766	60,715
1996	118,163	243,636	5,161	10.3	* *	86,138
2001	192,983	397,903	7,941	10.3	•	121,422

Remarks; Blanks show data not available.

Source;  $\frac{/1}{2}$ : Ref. A 1.





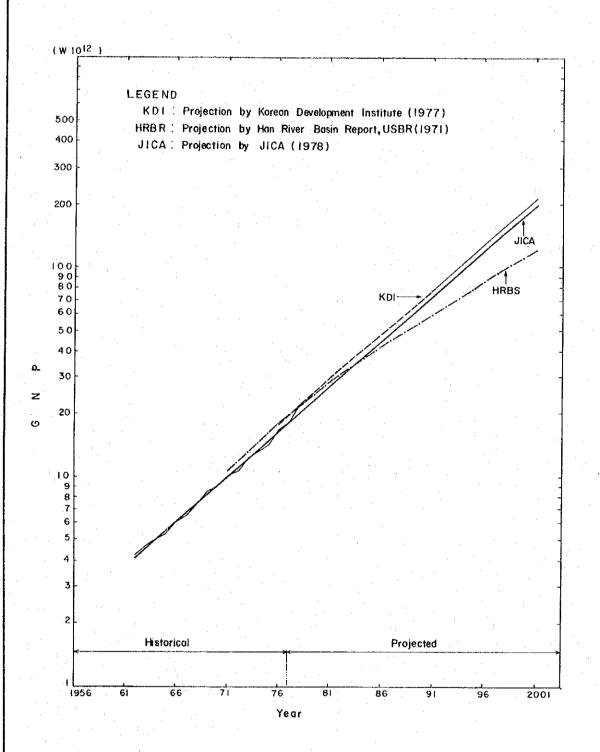


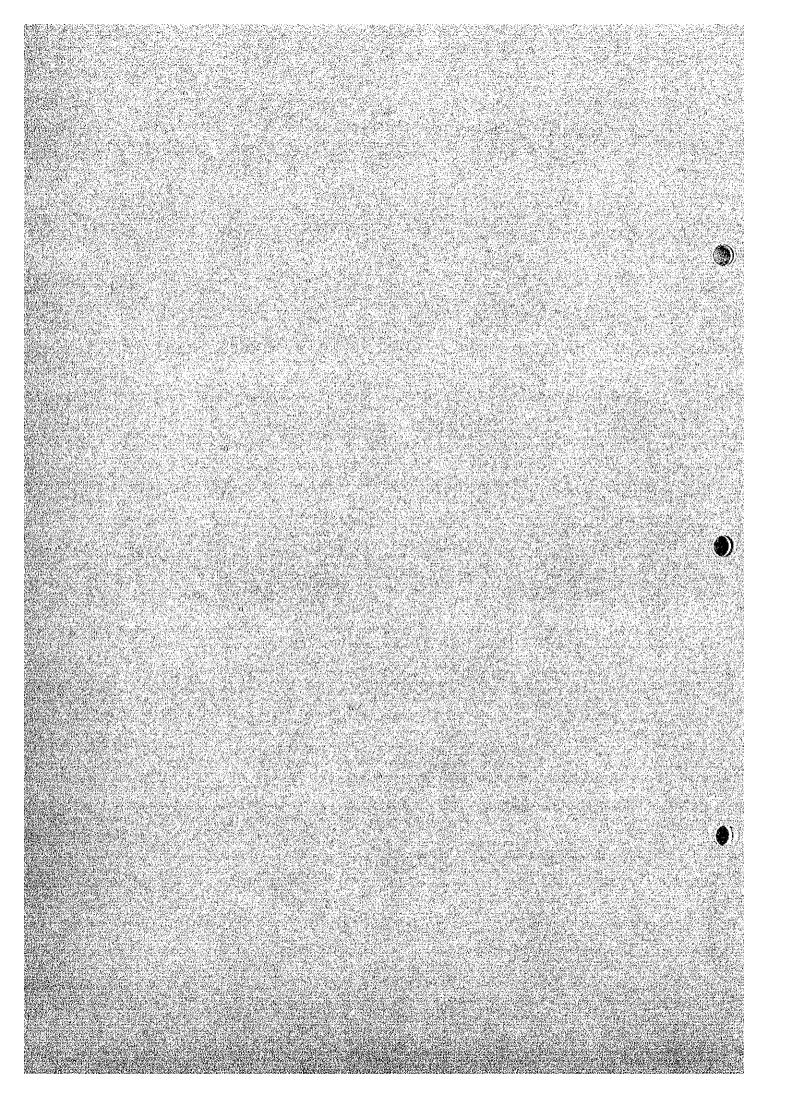
Fig A 3 Historical and Projected GNP (1978 constant price)

MINISTRY OF CONSTRUCTION
GOVERNMENT OF THE REPUBLIC OF KOREA
THE LONG-TERM MULTIPURPOSE DAM SCHEMES
PRELIMINARY FEASIBILITY STUDY

JAPAN INTERNATIONAL COOPERATION AGENCY

# ANNEXB

# METEOROLOGY AND HYDROLOGY



# TABLE OF CONTENTS

			Pa	age
B 1	INTRODUCT	CION	В	1
В 2	METEOROLO	OGY	В	2
	B 2.1 Ge		В	2
	B 2.2 Me	teorological Data Relating Agriculture	В	2
В 3	PRECIPITA	ATION	В	3
	B 3.1 Ge	neral	В	3
	В 3.2 Рг	ecipitation Records	В.	3
		mual Basin Rainfall		3
в 4		I-OFF		
	B 4.1 Ge	eneral	В	5
	B 4.2 Se	election of Basic Gauging Stations	В	5
	B 4.3 Ru	m-off Estimation at Basic Gauges	·B	6
	B 4.4 Ru	m-off at Proposed Damsite	В	9
	B 4.5 An	mual Run-off Coefficient	В	13
	B 4.6 Dr	rought Year	В	14
В 5	SEDIMENTA	NOITA	В	15
	DEFEDENCE	'C	12	16

## LIST OF TABLES

				Page
Table	В	1	SUMMARY OF METEOROLOGICAL OBSERVATION RECORD	в 17
Table	В	2	MONTHLY MEAN TEMPERATURE	В 20
Table	В	3	MONTHLY MEAN MAXIMUM TEMPERATURE	•
Tab1e	В	4	MONTHLY MEAN MINIMUM TEMPERATURE	
Table	В	5	MONTHLY MEAN RELATIVE HUMIDITY	в 38
Tab1e	В	6	MONTHLY PRECIPITATION	в 44
Table	В	7	MONTHLY EVAPORATION	в 50
Table	В	8	MONTHLY MEAN WIND VELOCITY	В 56
Table	В	9	MONTHLY SUNSHINE HOURS	B 62
Table	В	10	DAILY RAINFALL RECORD IN 1967	в 68
Table	В	11	DAILY RAINFALL RECORD IN 1968	в 73
Table	В	12	ANNUAL PRECIPITATION	в 78
Table	В	13	MEAN MONTHLY PRECIPITATION	в 81
Table	В	14	AVERAGE ANNUAL BASIN RAINFALL FOR PROPOSED DAM	B 84
Table	В	15	AVERAGE ANNUAL BASIN RAINFALL FOR SELECTED RUN-OFF GAUGING STATIONS	в 85
Table	В	16	MONTHLY INFLOW INTO HWACHEON DAM	В 86
Table	В	17	MONTHLY OUTFLOW FROM CHEONGPYEONG DAM	в 87
Table	В	18	MONTHLY RUN-OFF AT JEONGSEON GAUGE	В 88
Table	В	19	MONTHLY RUN-OFF AT CHUNGJU GAUGE	в 89
Table	В	20	MONTHLY RUN-OFF AT YEOJU GAUGE	в 90
Table	В	21	MONTHLY OUTFLOW FROM GOESAN DAM	в 91
Table	В	22	MONTHLY RUN-OFF AT GOAN GAUGE	в 92

			P	age
Table	В 23	MONTHLY RUN-OFF AT IMHA GAUGE	В	93
Table	B 24	MONTHLY RUN-OFF AT WAEGWAN GAUGE	В	94
Table	B 25	MONTHLY RUN-OFF AT JINDONG GAUGE	В	95
Table	В 26	MONTHLY RUN-OFF AT CHANGRI GAUGE	В	96
Table	В 27	MONTHLY RUN-OFF AT ABROG GAUGE	В	97
Table	В 28	MONTHLY SPILLOUT FROM BOSEONGGANG DAM	В	98
Table	В 29	ESTIMATED MONTHLY RUN-OFF AT DALCHEON DAMSITE	В	99
Table	В 30	ESTIMATED MONTHLY RUN-OFF AT GANHYEON DAMSITE	В	100
Table	В 31	ESTIMATED MONTHLY RUN-OFF AT JUAM DAMSITE	В	101

# LIST OF FIGURES

В	1	Rain Gauging Station Network ('76) for
		Three River Basins
В	2	Isohyetal Map of the Three River Basins (1962-1976
n	2	Grand of Harry Larget and Discharge Mangurament
В	3	Station of Water Level and Discharge Measurement Network ('76) for Three River Basins
		Network ( 70) for three diver basins
В	4	Water Level Gauges and Dams Incorporated in
		Hydrological Study
В	5	Stage-Discharge Curve
10	6	Correlation of Annual and Monthly Run-off
	ВВВ	B 1 B 2 B 3 B 4

## B 1 INTRODUCTION

This ANNEX presents the meteorological and hydrological studies with regard to the Han, Nagdong and Seomjin basins as well as the  $10\,$  proposed damsites.

The study comprised collection and examination of the meteorological records, examination and setting of rating curves, filling-up and correction of the river flow data, analysis of drought year, sedimentation study.

The results of the study were used for water budget analysis in each basin, estimation of irrigation water requirement and analysis of the proposed dam schemes.

#### B 2 METEOROLOGY

#### B 2.1 General

Modern meteorological observation began at Incheon, Busan and Mogpo in 1904 and at Seoul and Daegu in 1907. Observatories have been increased thereafter and 24 standard meteorological stations have been established until the end of 1960's. Furthermore, 76 auxiliary stations were established at a stretch in 1972.

The records observed at these meteorological stations are reported in the Meteorological Yearbook published by the Central Meteorological Observatory.

# B 2.2 Meteorological Data Relating Agriculture

The studied area about 400 km long in the north-south direction. Taking into account the regional difference in the agro-climatic conditions, the area was divided into 5 agricultural zones; the Han river basin, northern Nagdong river basin, central Nagdong river basin, southern Nagdong river basin and Seomjin river basin.

The meteorological stations at Seoul, Chupungryeong, Daegu, Busan and Gwangju were selected as representing each agricultural zone.

Jeonju station was also selected for the Seomjin river basin.

Monthly mean precipitation, temperature, relative humidity, sunshine hours, wind velocity and pan evaporation at the selected stations are summarized in Table B 1. Monthly data mentioned above for each year from 1952 through 1976 are tabulated in Table B 2 through B 9 and daily rainfall record in 1967 and 1968 are tabulated in Tables B 10 and B 11. Those data were utilized to estimate the irrigation water requirement.

#### B 3 PRECIPITATION

#### B 3.1 General

The total number of rain gauging stations in Korea was 172 in 1961, but it was increased to 249 until 1976. The average coverage of one station is around 400 km<sup>2</sup>. Out of those, 67 are ordinary gauging stations and 182 are automatic recording stations. Out of the total number of rain gauging stations, 155 stations are situated in the Han river, Nagdong river and Seomjin river basins. The name and location of the rain gauging stations in the three basins are shown in Fig. B 1.

## B 3.2 Precipitation Records

The precipitation records at the 155 stations in the Han, Nagdong and Seomjin river basins were collected for a period of 15 years of 1962 through 1976. The annual precipitation of each station and mean monthly precipitation are tabulated in Tables B 12 and B 13, respectively, for each river basin. These data were used to estimate the average basin rainfall for the proposed dam schemes and run-off gauging stations.

The average annual rainfall in each river basin was calculated as follows;

Basin	Number of Stations	Average Annual Rainfall (1962 - 1976)
Han river	71	1,272 mm
Nagdong river	71	1,168 mm
Seomjin river	13	1,403 mm

The isohyetal map of the average annual rainfall of 1962 through 1976 in shown in Fig. B 2.

### B 3.3 Annual Basin Rainfall

Out of 155 precipitation gauging stations tabulated in Table B 12,

the records at the following stations were used to calculate the annual basin rainfall of the proposed dam schemes.

Basin	Name of Dam	Selected Stations	Average Annual Basin Rainfall (1962-1976)
Han	Bamseonggo1	Bupyeong, Bangsan, Hwacheon	1,276 mm
	Inje	Inje, Yongdaeri, Changchon, Seohwa, Girin	1,200 mm
	Hongcheon	Hongcheon, Naechon, Seomyeon, Duchon, Seoseog	1,340 mm
	Gujeo1	Jeongseon, Imgye, Jinbu, Hoenggye	1,186 mm
	Dal cheon	Chungju, Sangmo, Sogrisan, Goesan, Cheongcheon	1,106 mm
	Ganhyeon	Ganhyeon, Hoengseong, Weonju, Cheongil	1,349 mm
Nagdong	Bonghwa	Jaesan, Docheon, Seog'po, Hyeondong, Seoghyeon, Hwangji	1,033 mm
	Imha	Yeongyang, Cheongsong, Gilan, Jinbo, Bunam	995 πm
	Hamyang	Unbong, Hamyang, Macheon, Sancheong	1,422 mm
Seomjin	Juam	Boseong, Dongbog, Bognae, Seoggog	1,382 mm

The annual basin rainfall of each proposed dam schemes are summarized in Table B 14.

Table B 15 shows the annual basin rainfall for the selected runoff gauging stations.

#### B 4 RIVER RUN-OFF

#### B 4.1 General

There are 25 river systems in Korea and 183 water level gauging stations have been established throughout the country as of 1976. Automatic recording water gauges were attached to 57 stations.

In the Han river, Nagdong river and Seomjin river basins, there are 102 water level gauging stations and their locations are shown in Fig. B 3.

### B 4.2 Selection of Basic Gauging Stations

Basic gauging stations for each basin were selected for the water budget analysis and for the estimation of run-off at each proposed damsite among the 102 existing water level gauging stations in view of location, accuracy and continuity of the record. The discharge record of some existing dams were also utilized for estimation of run-off at proposed damsite.

The selected basic gauging stations and existing dams are as follows:

## Han river basin;

Goan gauging station,
Yeoju gauging station,
Chungju gauging station,
Jeongseon gauging station,
Goesan dam,
Cheongpyeong dam, and
Hwacheon dam.

## Nagdong river basin;

Jindong gauging station, Waegwan gauging station, Imha gauging station, and Changri gauging station. Seomjin river basin;

Abrog gauging station.

The location of the selected basic gauging stations is shown in Fig. B 4.

### B 4.3 Run-off Estimation at Basic Gauges

River run-off at the basic gauges was estimated from the water level record by applying the rating curve in principle and some corrections were made by the correlation between the records of adjacent stations and between rainfall and run-off.

The rating curves utilized are shown in Fig. B 5.

### (1) Daily run-off at Jeongseon gauging station

The run-off at Jeongseon gauging station was initially calculated from the rating curve shown in Fig. 2-39 of the River and Stream Survey Report of the Republic of Korea, but it was found that the run-off during dry season were always greater than the basin rainfall, then the rating curve was examined and revised based on the stream flow measurement records for 1962 and 1963. Daily run-off at water level lower than 1.10 m was re-estimated.

#### (2) Run-off at Chungju gauging station

The run-off data at the Chungju gauge for a period of 1962 through 1972 was taken from the Feasibility Report of the Chungju Project prepared by ECI. After 1973 till 1976 the daily run-off was determined based on the daily water level records applying the rating curve attached in the Feasibility Report of the Chungju Project.

## (3) Monthly run-off at Yeoju gauging station

Run-off at Yeoju gauge was determined for a period of 1962 through 1972 from the data shown in the Feasibility Report of Chungju Project, while for 1973 through 1976 the daily run-off

was determined based on the water level records applying the rating curve obtained from the daily run-off data for 1968 in the Annual Report.

However, it was found that the run-off at Yeoju was sometimes smaller than that of Chungju gauge.

Therefore, adding the discharge record of the Goesan power station, the correlation between the run-off at the Chungju gauge plus discharge of the Goesan power station and run-off at Yeoju were analyzed for each month from March to September. Monthly run-off at Yeoju gauge was revised based on the correlation thus established. The above correlations are shown in Fig. B 6.

### (4) Run-off at Goan gauging station

There was a great difference in the annual run-off coefficients of each year, when comparison is made between the run-off from 1968 to 1976 based on the rating curves at Goan gauge and the run-off from 1956 to 1967 described in Chungju Feasibility Report. It was found that the run-off estimated based on the rating curves was much bigger than the one in the Chungju Report. Therefore, correction of run-off from 1968 to 1976 were made as follows;

#### a) Estimate of annual run-off

Correlation between the discharge of Cheongpyeong dam plus corrected run-off at Yeoju gauge and run-off at Goan gauge for 12 years period from 1956 to 1967 was established.

Then, annual run-off at Goan gauge from 1968 to 1976 was estimated based on the discharge of Cheongpyeong dam plus corrected run-off at Yeoju gauge from 1968 to 1976.

## b) Estimate of monthly run-off

Monthly run-off of Goan gauge from 1968 to 1976 was estimated by allocating the annual run-off with the monthly ratio of the discharge of Cheongpyeong dam plus corrected run-off at Yeoju gauge for 9 years from 1968 to 1976.

c) Estimate of daily mean run-off in 1968

Daily mean run-off in 1968 was estimated by allocating the monthly run-off with the daily mean run-off ratio obtainable from the rating curve of the same year.

(5) Run-off at Imha gauging station

Run-off at Imha gauge was estimated from the daily water level record and rating curve obtained from the run-off measurement by ISWACO.

(6) Rum-off at Waegwan and Jindong gauging stations

Daily run-off record estimated by ISWACO was adopted for the Waegwan and Jindong gauges.

(7) Run-off at Changri gauging station

Since the estimated run-off coefficient was abnormally high (126.4 %) for 1975 in the run-off data for Changri gauge, the correlation betwen annual basin rainfall and the annual run-off at Changri gauge was analyzed, and then annual run-off was connected to the annual basin rainfall. The monthly run-off was estimated from the annual run-off based on the run-off ratios of the respective months prior to correction. The correlation between the annual run-off and the annual basin rainfall of Changri gauge is indicated in Fig. B 6.

(8) Run-off at Abrog gauging station

The run-off at Abrog gauge was all calculated by rating curves, but since some abnormal run-off coefficients were calculated, the correction analysis was made from the specific run-off of the down-stream Songjeong gauging station.

The monthly run-off at the basic gauges and inflow and outflow record at the existing dam are summarized in Table B 16 through B 28.

The mean monthly run-off of the three river basins estimated by the method described above for 15 years of 1962 through 1976 are tabulated as follows:

	Han River	Nagdong River	Seomjin River
	Goan	Jindong	Abrog
* *	Gauging Station	Gauging Station	Gauging Station
	CA=23,613 km <sup>2</sup>	CA=20,311 km <sup>2</sup>	CA=1,684 km <sup>2</sup>
	A 44 4	220 0	20. 2
Jan.	377.7	230.9	32.3
Feb.	406.4	265.9	45.9
Mar.	685.0	493.0	67.1
Apr.	1,683.0	867.4	117.9
May	1,216.8	800.7	130.2
June	830.8	685.3	118.6
July	4,793.5	2,959.5	458.8
Aug.	4,254.5	2,080.2	274.9
Sept.	2,881.8	1,688.9	221.1
Oct.	837.4	510.0	57.1
Nov.	636.3	370.9	40.7
Dec.	513.6	253.2	27.7
Annual	19,116.6	11,205.9	1,592.4
Annual mean (m <sup>3</sup> /s)	606.1	355.3	50.5
Specific run-o (m <sup>3</sup> /s/100 km		1.75	3.00

#### Run-off at Proposed Damsite B 4.4

The run-off at each proposed damsite was estimated from the runoff data at the basic gauges and discharge record of the existing dam by means of the ratio of catchment area and basin rainfall.

The catchment area and the annual mean basin rainfall of the proposed damsite and relating basic gauges and existing dams are as follows:

# Relating Basic Gauge & Existing Dam

	Proposed Dam		& Existing Dam		
Name	Catchment Area (km²)	Annual Rainfall (mm)	Name	Catchment Area (km <sup>2</sup> )	Annual Rainfall (mm)
Han River Basi	n		•		
Bamseonggol	583	1,276			
Inje	1,043	1,200	Hwacheon dam	4,145	1,276
Hongcheon	1,473	1,340			÷
Gujeol	101	1,186	Jeongseon g.s.	1,425	1,133
Dalcheon	1,348	1,106	Yeoju g.s.	11,036	1,161
Dalcheon downs	tream		Chungju g.s.	6,657	1,241
Goesan dam	677	1,140	Goesan dam	671	1,072
Ganhyeon	1,180	1,349	Yeoju g.s. down Chungju g.s. & Goesan dam	3,708	1,215
Nagdong River	Basin			÷	
Bonghwa	1,135	1,033	Imha g.s.	1,360	995
Imha	1,230	995	<b>6</b>		
Hamyang	264	1,422	Changri g.s.	925	1,270
Seomjin River	Basin				
Juam	1,010	1,382	Abrog g.s.	2,448	1,389
Juam downstr	the state of the s	٠	Seomjinggang d	am 763	1,440
Boseong & Do	ngbog 548	1,415	Boseong dam	275	1,387
цашо		1,710	Dongbog dam	187	1,277
			Abrog g.s. down		1,366

The procedure to estimate the run-off at each proposed damsite is described as follows:

(1) Bamseonggol

$$Q_B = Q_{Hw} \times \frac{583}{4,145} \times \frac{1,276}{1,276}$$

where,  $Q_B$  = monthly run-off at Bamseonggol damsite  $Q_{Hw} = monthly \ inflow \ into \ Hwacheon \ dam$ 

(2) Inje

$$Q_{I} = Q_{HW} \times \frac{1,043}{4,145} \times \frac{1,200}{1,276}$$

where,  $Q_{I}^{}$  = monthly run-off at Inje damsite  $Q_{HW}^{}$  = same as the above

(3) Hongcheon

$$Q_{\text{llong}} = Q_{\text{Hw}} \times \frac{1,473}{4,145} \times \frac{1,340}{1,276}$$

where,  $Q_{Hong}$  = monthly run-off at Hongcheon damsite  $Q_{Hw} = \text{same as the above}$ 

(4) Gujeol

$$Q_G = Q_J \times \frac{101}{1,425} \times \frac{1,186}{1,133}$$

where,  $Q_G$  = monthly run-off at Gujeol damsite  $Q_J$  = monthly run-off at Jeongseong gauging station

(5) Dalcheon

$$Q_D = \left\{ Q_Y - Q_{Ch} - Q_{Goe} \right\} \times \frac{677}{3,708} \times \frac{1,140}{1,215} + Q_{Goe}$$

where,  $Q_{\mathrm{D}}$  = monthly run-off at Dalcheon damsite

 $Q_{y}$  = monthly run-off at Yeoju gauging station

 $Q_{Ch}$  = monthly run-off at Chungju gauging station

 $Q_{Goe}$  = monthly discharge of Goesan dam

(6) Ganhyeon

$$Q_{Ga} = \left\{ Q_{Y} - Q_{Ch} - Q_{Goe} \right\} \times \frac{1,180}{3,708} \times \frac{1,349}{1,215}$$

where,  $Q_{Ga}$  = monthly run-off at Ganhyeon damsite  $Q_{Y}$ ,  $Q_{Ch}$ ,  $Q_{Goe}$  = same as the above

(7) Bonghwa

$$Q_B = Q_I \times \frac{1,135}{1,360} \times \frac{1,033}{995}$$

where,  $\mathbf{Q}_{\mathbf{B}}$  = monthly run-off at Bonghwa damsite  $\mathbf{Q}_{\mathbf{I}} = \text{monthly run-off at Imha gauging station}$ 

(8) Imha

$$Q_{Im} = Q_I \times \frac{1,230}{1,360} \times \frac{995}{995}$$

where,  $Q_{Im}$  = monthly run-off at Imha damsite  $Q_{I}$  = monthly run-off at Imha gauging station

(9) Hamyang

$$Q_{\text{Ham}} = Q_{\text{Cha}} \times \frac{264}{925} \times \frac{1,422}{1,270}$$

where,  $Q_{Ham}$  = monthly run-off at Hamyang damsite  $Q_{Cha} = monthly \ run-off \ at \ Changri \ gauging \ station$ 

(10) Juam

$$Q_J = Q_A \times \frac{548}{1,685} \times \frac{1,415}{1,366} + Q_B$$

where,  $Q_J$  = monthly run-off at Juam damsite

 $Q_{A}^{}$  = monthly run-off at Abrog gauging station

 $Q_{\mathrm{B}}^{}$  = monthly spillout from Boseong dam

Monthly run-off at the Bamseonggol, Inje and Hongcheon damsites could be easily calculated from the monthly inflow record into the Hwacheon dam. Gujeol was simply related with the Jeongseong gauging station. Bonghwa, Imha and Hamyang were also related with the Imha gauging station and Changri gauging station, respectively.

Monthly run-off at the Dalcheon, Ganhyeon and Juam damsites are tabulated in Table B 29 through B 31, respectively.

#### B 4.5 Annual Run-off Coefficient

The average annual run-off coefficient of each basic gauge and proposed damsite for 15 years of 1962 through 1976 was calculated as follows;

Basin	Site	Catchment Area (km <sup>2</sup> )	Annual Basin Rainfall (mm)	Annual Run-off (10 <sup>6</sup> m <sup>3</sup> )	Run-off Coefficient (%)
Han	Yeoju g.s.	11,036	1,161	8,600	67
	Goan g.s.	23,613	1,241	19,117	65
Nagdong	Waegwan g.s.	11,074	1,025	4,865	43
	Jindong g.s.	20,311	1,139	11,206	48
Seomjin	Abrog g.s.	1,684	1,389	1,595	68
Han	Bamseonggo1	583	1,276	508.9	68
	Inje	1,043	1,200	856.2	68
	Hongcheon	1,473	1,340	1,350.3	68
	Gujeol	101	1,186	79.0	66
	Dalcheon	1,348	1,106	932.1	62
	Ganhyeon	1,180	1,349	944.5	59
Nagdong	Bonghwa	1,135	1,033	695.0	59
	Imha	1,230	995	725.5	59
	Hamyang	264	1,422	275.6	73
Seomjin	Juam	1,010	1,382	701.4	50

#### B 4.6 Drought Year

The Goan gauging station was selected as the basic one for analysis of drought year in the Han river basin. Similarly the Jindong gauging station and Abrog gauging station were selected for the Nagdong river and Seomjin river basins.

The drought year for each river basin was determined based on the smallest accumulated run-off from October to next June of the selected basic gauging stations, which were shown in Table B 22 for the Goan gauge, Table B 25 for the Jindong gauge and Table B 27 for the Abrog gauge.

One year from November, 1967 to October, 1968 was determined as the drought year for all the three basins. Water budget was calculated for this year, which is presented in ANNEX K.

#### B 5 SEDIMENTATION

Sedimentation in the proposed reservoirs was examined in the first stage of the study.

In the First Stage Survey Report, the results of measurements at existing dams were given, while studies have been made on design sediment load rates for dams under construction or being planned in Korea. These values are 300 to  $800 \text{ m}^3/\text{km}^2/\text{yr}$ .

The rate of sedimentation of the Soyanggang dam was estimated at  $^3/\mathrm{km}^2/\mathrm{year}$  as a result of measurements at Cheongyeong reservoir. And according to the Geum River Improvement Plans, the results of measurements at 10 reservoirs of small catchment areas (1.25 to 14.8 km²) were 423 to 1,136 m³/km²/year in 12 to 35 years after completion.

The predicted sediment surfaces for the proposed reservoirs were determined for 100-year sedimentations based on the sediment load rates estimated in the First Stage Survey.

The sediment load rate, 100-year sedimentation, and predicted sediment elevation of each reservoir are shown below:

Proposed Damsite	Catchment Area (km <sup>2</sup> )	Sediment Yield Rate (m <sup>3</sup> /km <sup>2</sup> /year)	100-year Sediment Volume $(10^6 \text{ m}^3)$	Assumed Sediment Surface (E1. m)
Bamseonggo1	583	700	40.8	252
Inje	1,043	600	62.6	269
Hongcheon	1,473	500	73.6	74
Gujeol	101	600	6.0	718
Dalcheon	1,348	500	67.4	91
Gangyeon	1,180	500	59.0	82
Bonghwa	1,135	600	68.1	223
Imhwa	1,230	400	49.2	147
Hamyang	264	700	18.5	328
Juam	$823^{\frac{1}{2}}$	400	33.0	78

<sup>/1</sup> Catchment area 187 km<sup>2</sup> of Donbog dam is shut down.

## REFERENCES

- B 1 HYDROLOGIC ANNUAL REPORT IN KOREA (1962 1976), MOC
- B 2 METEOROLOGICAL YEARBOOK (1952 1976), Central Meteorological Office
- B 3 HYDROLOGIC SURVEY REPORT OF KOREA, MOC, 1963
- B 4 HYDROLOGIC SURVEY REPORT OF KOREA, (RAINFALL EDITION, 1901 1961)
- B 5 REPORT ON COMPREHENSIVE SURVEY OF RIVERS IN KOREA, MOC & ISWACO
- B 6 ELECTRIC POWER YEARBOOK, KECO, 1968.

Table B 1 SUMMARY OF METEOROLOGICAL OBSERVATION RECORD

	Precipi- tation	Tem- perature	Relative Humidity	Sunshine Hours	Wind Velocity	Pan Evapo- ration
	ınm	°C	%	hr.	m/sec.	mm
1. Ha	n River Bas	sin				•
1.1 Se	oul (1954-1	L976)*				
Jan.	22	-4	66	165	2.5	37
Feb.	31	-1	65	165	2.7	46
Mar.	50	4	65	198	3.0	78
Apr.	97	11	64	200	3.0	114
May	91	17	65	228	2.6	153
June	138	21	74	184	2.2	142
July	402	24	83	121	2.3	11.5
Aug.	267	25	80	154	2.2	130
Sept.	176	20	74	175	2.0	108
Oct.	53	14	69	207	1.9	89
Nov.	44	7	68	<b>15</b> 2	2.3	57
Dec.	21	-1	66	146	2.4	40
Total	1,392			<del> </del>		1,109
(Averag		(11)	(70)	(2,095)	(2.4)	1,105
(Averag	<b>C</b> )	(11)	(10)	(2,0))	(21.)	
2. Na	gdong Rive	r Basin				Ā
2.1 Ch	upungryeon	g (1953–197	(6) *			
Jan.	29	-3	65	175	4.3	55
Feb.	36	0	65	1.74	4.0	63
Mar.	62	4	62	209	3.8	102
Apr.	94	11	62	215	3.3	137
May	89	17	62	248	3.0	180
June	131	21	72	204	2.4	159
July	293	24	82	162	2.0	136
Aug.	200	25	81	190	2.1	149
Sept.	132	19	.79	176	2.1	113
Oct.	52 <sup>-</sup>	13	72	210	2.4	100
Nov.	49	6	69	173	2.8	68
Dec.	26	0	67	171	3.9	55
Total	1,193		···-			1,317
(Averag		(11)	(70)	(2,307)	(3.0)	-,
(WAST 9R	E)	(TT)	(10)	(4,507)	(3,0)	

Remarks; ()\*: Observation period.

Table B 1 Continued (2)

						Pan
	Precipi-	Tem-	Relative	Sunshine	Wind	Evapo-
	tation	perature	Humldity	Hours	Velocity	ration
	mm	°C	%	hr.	m/sec.	mm
2.2 Da	aegu (1952-1	976)*			•	
Jan.	20	-1	59	188	3.6	61
Feb.	30	$\overline{1}$	61	177	3.5	65
Mar.	48	6	60	210	3.7	105
Apr.	79	13	63	205	3.6	133
May	77	18	64	224	3.2	169
June	111	22	70	191	3.2	167
July	244	26	77	164	3.1	156
Aug.	180	26	. 75	191	3.0	169
Sept.	123	21	75	167	2.7	114
Oct.	46	15	69	201	2.5	96
Nov.	37	8	67	177	2.9	67
Dec.	19	2	63	181	3.2	59
Total (Avera	1,014 ge)	(13)	(67)	(2,276)	(3.2)	1,361
2.3 B	usan (1952-1	1976)*				1
Jan.	27	. 2	52	191	4,8	79
Feb.	54	4	55	172	4.8	78
Mar.	83	8	59	198	4.8	104
Apr.	153	13	68	184	4.7	112
May	158	17	72	213	4.1	130
June	203	20	80	175	4.0	123
July	254	24	86	148	4.6	122
Aug.	197	26	81	208	4.4	152
Sept.	193	22	<b>7</b> 5	162	4.3	115
Oct.	61	17	64	196	4.0	1.14
Nov.	62	11	59	184	4.2	91
Dec.	32	<u> </u>	53	193	4.5	84
Total	1,477			(2,224)		1,304

Table B 1 Continued (3)

	Precipi- tation	Tem-	Relative Humidity	Sunshine Hours	Wind Velocity	Pan Evapo ratio
••	mm	perature °C	numinarry %	hr.	m/sec.	mm
			70		m, 666.	
3. Sec	omjin River	Basin				
3.1 Gw	angju (1952	-1976)*				
Jan.	34	0	73	163	2.3	48
Feb.	45	2 .	70	164	2.6	57
Mar.	66	6	68	207	2.7	94
Apr.	118	12	69	203	2.5	120
May	1.09	18	71	227	2.2	151
June	152	21	75	194	2.1	158
July	267	26	82	167	2.4	153
Aug.	211	- 26	79	216	2.1	165
Sept.	176	21	77	188	1.8	119
Oct.	57	15	73	215	1.7	100
Nov.	51	8	73	174	2.0	65
Dec.	33	3	72	157	2.1	49
Total	1,319	<del> </del>				1,279
(Average		(13)	(74)	(2,275)	(2.2)	
e e			:			
3.2 Je	onju (1952-	1976)*				
Jan.	34	-1	73	149	1.2	36
Feb.	41	1	73	151	1.3	42
Mar.	64	5	71	196	1.5	74
Apr.	107	12	71	197	1.6	108
May	100	18	69	229	1.4	145
June	129	22	76	190	1.3	148
July	298	26	81	144	1.4	135
Aug.	237	26	80	196	1.2	146
Sept.	161	21	79	182	1.0	105
Oct.	58	14	75	205	1.0	. 86
Nov.	-52	8	75 75	158	1.0	52
Dec.	30	2	74	143	1.1	38
Total	1,311					1,115
	1 311					

(**)** ()

Table B 2 MONTHLY MEAN TEMPERATURE

Seoul	(1954-1	976)										Un 1	t: °C
Year	Jan.	Feb.	Mar.	Apr.	Мау	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	_			:					_	-		_	
1953	_	_	_						· —	-			***
1954	-1.5	0.4	3.1	11.8	16.6	19.6	. 21.9	25.7	20.3	12.5	9.5	-2.7	.11.4
1955	-5.6	-0.1	4.4	11.1	15.9	21.4	24.4	26.2	20.7	12.6	5.9	0.6	11.5
1956	-4.0	-3.4	3.7	9.5	15.1	19.7	24.3	24.8	20.4	12.8	3.2	-5.2	10.1
1957	-3.5	-4.3	0.0		16.9	20.1	22.4	24.1	18.9	12.5	8.4	-0.5	10.5
1958	-6.0	-0.8	3.6	10.9	16.3	22.3	25.6	23.8	19.8	12.7	6.7	4.0	11.6
1959	5.1	2.4	6.0	10.2	17.9	20.4	24.4	25.8	20.8	14.8	5.8	1.1	12.0
1960	-3.3	1.7	6.7		16.5	20.6	24.8	26.2	20.8	15.1	7.1	-1.9	12.1
1061	-5.1	-0.8	5.3	11.4	16.9	21.7	26.1	26.6	21.2	15.5	8.9	-0.5	12.3
1961	-3.2	-0.5	3.1	9.7	17.0	20.8	25.8	25.1	20.0	13.3	6.4	1.2	11.6
1962		-2.2	5.3	11.1	16.7	20.9	24.3	25.4	20.2	13.2	6.6	1.0	11.1
1963	0.0	-3.5	3.8		18.2	21.1	24.5	26.0	20.0	13.8	6.4	0.4	12.1
1964 1965	-4.3	14.4		10.2	17.3	22.1	24.1	24.4	20.8	14.8	7.0	-2.0	11.3
1066	-4.7	0.1	4.8	11.7	18.3	20.5	23.6	26.7	19.7	14.4	5.9	-3.0	11.5
1966	-4.5	-2.5	4.7	11.8	19.2	21.3	25.5	26.7	20.7	14.5	6.5	-4.9	11.6
1967	-4.0	-2.5 -4.5	4.4	12.6	17.2	21.0	24.6	24.9	20.9	13.0	7.6	3.1	11.7
1968	-3.5	-2.7	2.9	10.6	16.4	20.0	24.0	24.8	20.8	13.9	5.0	-2.1	10.8
1969 1970	-4.8	-0.2	0.4	12.1	18.7	20.4	23.0		21.2	14.9	5.7	-1.9	11.3
				11.2	16.6	21,6	23.9	24.6	20.6	13.0	8.7	-1.2	11.5
1971	-2.5				16.4	21.7		23.0	19.0	13.8		0.6	11.9
1972	0.8				17.4	21.4		25.9	20.3	13.0		-3.0	12.0
1973	0.4		1.0			19.7		25.1	20.6	12.6		-0.6	11.1
1974 1975	-2.5 -2.7			10.7 13.3			24.9	27.0			9.0	-1.6	12.5
1976	-3.9			<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>			23.1	23.7	19.9	13.7	3.5	0.4	11.4
Ave.	-3.6	-1.0	3.9	11.3	17.0	20.9	24.4	25.3	20.4	13.7	6.5	-0.8	11.5

Table B 2 Continued (2)

Chupung	gryeong	(1953	-1976)	•								Uni	it: °C
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annua1
1952			_	. <u> </u>	·	_	-	da.m.			· <del></del>		<del>-</del>
1953	-3.9	-1.6	4.8	10.1	16.5	19.9	24.7	24.5	19.8	14.5	5.5	1.9	11.4
1954	-0.5	0.8	4.2	11.8	16.3	18.1	21.7	25.4	19.7	11.7	9.3	-0.7	11.5
1955	-4.1	1.0	5.2	11.5	16.4	21.5	24.7	24.3	19.4	11.9	6.0	1.7	11.6
1956	-2.5	-2.4	4.2	10.2	15.3	19.4	24.3	23.1	18.9	12.4	3.6	-3.2	10.3
1957	-1.4	-3.9	1.1	10.9	17.0	19.5	22.6	23.3	17.3	12.5	7.9	0.8	10.6
1958	-4.2	0.4	5.0	11.5	16.2	22.0	24.6	22.5	18.9	11.9	7.1	4.1	11.7
1959	-3.5	2.5	6.4	10.7	17.7	20.5	24.5	24.6	19.9	13.9	6.3	1.6	12.1
1960	-2.5	1.9	7.2	10.7	16.4	20.8	25.4	25.5	19.5	13.5	7.0	-0.9	12.0
1961	-4.0	-0.6	5.4	12.2	16.9	21.0	26.0	25.6	20.6	14.7	8.2	0.3	12.2
1962	-2,5	0.2		. 10.1	17.8	20.7	24.9	24.6	18.9	12.4	5.7	2.0	11.5
1963	-7.0	-2.0	5.4	10.8	16.4	19.7	24.3	24.5	19.0	11.9	6.7	1.6	10.9
1964	0.1	2.7	4.3	13.1	17.7	20.6	25,3	25.8	19.9	13.1	6.7	0.8	12.5
1965	-3.6	-0.9	3.3	10.3	17.5	.21.6	23.2	24.8	19.5	14.3	7.2	-1.1	11.3
1966	-3.1	0.7	4.9	11.2	17.4	20.6	23.9	26.1	18.7	13.7	5.8	-1.7	11.5
1967	-3.8	-1.8	5.0	11.7	19.3	21.6	24.9	26.7	19.2	13.3	6.2	-3.5	11.6
1968	-2.5	-4.0	4.7	12.6	16.9	21.4	24.5	23.8	19.4	11.9	6.7	3.3	11.6
1969	-2.7	-2.3	3.0	11.2	17.0	20.1	23.3	24.0	19.5	12.3	4.6	-1.5	10.7
1970	-4.2	0.4	0.8	11.3	17.3	19.6	23.2	24.9	20.3	13.7	4.9	-0.4	11.0
1971	-2.5	-1.2	2.4	11.6	16.9	20.9	24.7	23.6	19.4	11.9	7.4	-0.4	11.2
1972	0.6	-0.3	4.9	11.3	15.4	21.1	24.5	23.2	18.1	13.0	5.3	0.2	11.4
1973	0.1	0.9	4.5	12.7	16.6	20.5	26.3	26.1	19.0	12.2	4.9	-2.1	11.8
1974	-2.7	-2.0	3.5	11.3	17.0	19.9	21.9	24.6	18.8	12.6	5.0	-0.5	10.8
1975	-2.0	-0.7	4.3	12.3	15.9	20.7	24.3	25.2	21.3	14.1	8.1	-0.5	11.9
1976	-3.1	2.4	4.6	10.7	15.9	20.3	22.2	23.6	18.2	12.9	3.8	0.2	11.0
Ave.	-2.7	0.4	4.3	11.3	16.8	20.5	24.2	24.6	19.3	12.9	6.2	0.0	11.4

Table B 2 Continued (3)

Daegu	(1952-1	976)										Un:	Lt: · ¹°C
Year	Jan.	Feb .	Mar.	Apr.	May	June	Ju1y	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	-0.6	-0.7	5.0	12.7	17.6	22.3	25.1	25.7	20.2	13.6	9.0	-0.3	12.5
1953	-3.1	-0.1	6.7	11.5	17.3	20.8	25.7	26.2	20.9	15.8	6.7	3.2	12.6
1954	0.9	2.4	6.0	12.7	17.0	19.0	22.6	26.6	21.4	12.9	10.4	1.5	12.8
1955	-2.6	2.3	7.0	12.6	18.0	22.7	26.3	25.4	20.7	13.3	7.0	2.8	13.0
1956	-0.9	-0.4	5.8	11.5	16.6	20.5	24.8	24.4	20.2	13.8	4.9	~1.7	11.6
1957	0.4	-1.0	3.2	12.4	17.9	20.6	23.7	24.3	18.7	14.2	9.2	2.1	12.1
1958	-2.5	1.8	6.4	12.5	17.5	22.9	25.6	23.8	20.3	13.3	8.8	5.2	13.0
1959	-1.7	4.1	8.0	12.3	18.5	21.7	26.1	25.9	21.4	15.4	8.2	2.7	13.6
1960	-1.1	3.4	8.2	11.9	17.3	22.4	26.5	27.0	20.8	14.9	8.4	8.0	13.4
1961	-2.4	0.9	7.2	13.2	17.9	21.8	26.9	26.7	21.9	16.5	9.4	1.7	13.5
1962	-1.0	1.6	5.6	11.7	18.9	21.5	25.8	26.0	20.3	14.2	7.4	3.3	12.9
1963	-4.9	-0.5	6.7	11.6	16.9	19.5	25.6	25.6	20.3	13.7	8.0	2.9	12.1
1964	1.6	-0.6	6.0	12.9	18.8	21.8	27.1	28.0	21.2	14.5	8.0	2.1	13.4
1965	-1.9	0.7	5.2	11.4	18.6	22.6	24,.6	26.4	20.7	15.3	8.8	0.4	12.7
1966	-1.3	2.6	6.6	12.3	17.9	21.3	25.3	27.9	19.7	14.9	7.3	-0.1	12.9
1967	-2.3	0.3	6.9	12.6	20.0	22.4	26.1	28.6	20.7	14.8	7.6	-1.9	13.0
1968	-1.0	-1.9	6.6	13.3	17.6	22.6	25.8	25.1	20.8	13.5	8.3	5.1	13.0
1969	-0.7	-0.3	4.8	12.6	18.3	22.3	25.0	26.2	21.0	13.9	6.6	0.2	12.5
1970	-2.2	2.5	3.3	12.4	18.3	21.0	24.7	26.5	22.2	15.6	6.9	1.3	12.7
1971	-0.4	0.9	4.9	12.8	18.7	22.1	26.5	25.1	20.9	13.8	9.0	1.3	13.0
1972	2,7	2.4	6.8	12.5	16.7	22.5	25.6	24.8	19.8	14.7	7.2	1.6	13.1
1973	2.1	3.0	6.7	14.3	18.4	22.1	28.5	28.2	21:2	14.0	6.8	-0.4	13.7
1974	-1.0	0.3	5.7	13.2	18.5	21.9	22.6	26.5	20.9	14.5	6.6	1.6	12.6
1975	-0.3	1.2	6.5	13.3	17.4	21.8	26.0	26.6	23.1	15.6	9.6	1.4	13.5
1976	-1.4	3.9	6.5	12.2	17.5	21.7	23.9	25.7	19.8	14.8	5.4	1.4	12.6
Ave.	-1.0	1.2	6.1	12.5	17.9	21.7	25.5	26.1	20.8	14.5	7.8	1.5	12.9

Table B 2 Continued (4)

Busan	(1952-1	976)									:	Un	it: °C
Year	Jan.	Feb.	Mar.	Apr.	May	June	Ju1y	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	2.2	1.9	6.8	13.0	17.2	20.1	23.8	25.3	21.1	16.2	12.7	3.5	13.7
1953	0.8	3.3	8.2	12.4	16.3	19.0	23.8	25.6	21.8	18.4	10.1	6.8	13.9
1954	4.4	5.2	7.8	12.9	16.7	18.1	21.4	25.8	22.4	15.6	13.7	4.8	14.1
1955	0.6	5.8	8.5	13.0	16.9	20.8	24.4	24.6	21.9	16.0	10.1	6.6	14.1
1956	2.6	2.1	6.7	11.8	16.3	18.7	23.5	23.8	21.1	16.6	8.5	1.6	12.8
1957	3.7	1.6	5.5	12.6	17.2	19.0	22.4	23.8	20.6	16.4	12.5	5.8	13.4
1958	1.2	5.2	7.9	13.0	16.9	20.8	24.2	23.9	21.8	15.9	11.4	8.7	14.2
1959	1.0	6.8	9.3	12.8	17.2	20.1	24.3	25.7	22.4	18.1	11.8	5.7	14.6
1960	2.2	6.1	9.6	12.6	17.1	20.4	24.7	26.9	22.1	17.2	12.1	3.7	14.6
1961	1.2	3.7	8.9	13.1	17.4	20.2	25.5	26.3	23.3	18.6	12.6	5.1	14.7
1962	1.3	4.8	7.7	12.3	17.9	19.6	23.5	24.7	21.4	16.4	10.2	6.7	13.9
1963	-2.0	2.0	7.3	11.5	15.4	18.3	23.8	25.5	21.1	15.9	11.5	6.3	13.1
1964	5.1	1.8	7.9	12.7	18.0	20.1	24.6	27.0	22.0	17.2	11.2	5.7	14.4
1965	1.9	3.4	6 7	11.2	17.2	20.1	22.8	25.4	21.3	17.1	12.1	3.9	13.6
1966	1.8	5.3	8.2	12.4	17.4	19.8	23.7	27.3	21.3	17.3	1.4	3.1	13.3
1967	1.3	2.5	8.4	12.7	18.4	21.3	24.5	27.4	21.9	17.2	10.9	11.0	14.8
1968	1.5	0.1	7.7	13.3	16.1	19.9	23.7	24.5	21.5	15.7	11.8	8.0	13.7
1969	2.3	2.7	6.2	12.1	17.2	19.9	23.3	25.6	21.9	16.2	9.6	3.5	13.4
1970	1.0	5.0	4.7	11.9	17.3	19.1	22.9	26.1	22.6	17.2	9.9	4.3	13.5
1971	2.1	3.2	6.3	12.8	17.4	20.3	24.8	24.8	21.7	16.2	12.2	5.2	13.9
1972	6.0	4.4	8.1	12.6	16.2	20.4	23.9	24.5	20.7	16.8	10.1	5.4	14.1
1973	4.9	5.2	8.0	14.1	17.4	20.4	26.2	27.1	21.7	16.4	9.6	2.4	14.5
1974	2.8	3.0	7.0	13.1	17.3	19.8	21.4	25.2	22.0	16.9	10.4	4.8	13.6
1975	2.3	3.3	8.2	13.0	16.7	20.3	24.7	26.7	24.0	17.8	12.3	4.6	14.5
1976	1.5	6.5	8.0	12.8	16.6	19.7	22.5	25.2	20.6	16.9	8.6	5.2	13.7
Ave.	2.1	3.8	7.6	12.6	17.0	19.8	23.8	25.5	21.8	16.8	10.7	5.3	13.9

Table B 2 Continued (5)

Gwangj	u (1952	-1976)	-									Un	it: °C
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	0.2	-0.1	4.8	12.3	18.0	21.7	26.2	26.0	20.5	13.6	10.1	1.2	12.9
1953	-1.3	1.0	6.2	10.4	17.3	21.0	26.3	27.1	21.2	15.8	7.5	3.8	13.0
1954	1.6	3.5	5.1	13.2	17.2	20.1	23.7	27.3	21.4	13.4	10.4	1.9	13.2
1955	-1.8	2.7	6.8	12.7	17.2	. 22.6	25.9	26.4	22.0	13.5	7.3	3.6	13.2
1956	0.1	-0.2	6.2	11.3	15.9	21.2	26.2	25.1	21.0	13.9	5.8	0.3	12.2
1957	1.1	-0.1	3.1	11.8	17.7	20.6	24.5	24.9	18.9	13.4	9.2	3.4	12.4
1958	-1.5	<b>1.8</b>	6.1	12.5	17.0	22.7	26.4	24.6	21.3	14.0	8.6	5.4	13.2
1959	-2.1	5.4	8.4	11.4	17.8	21.6	26.1	27.4	22.0	15.8	8.3	4.0	13.8
1960	0.1	3.2	8.5	10.9	16.6	21.7	26.4	26,6	21.3	15.5	9.2	1.9	13,5
1961	-1.3	1.3	7.0	12.4	17.4	22.1	26.9	26.9	22.3	16.7	10.1	2.8	13.7
1962	-0.7	2.1	5.0	10.5	17.4	21.1	25.4	25.5	21.0	14.1	8.5	3.9	12.8
1963	-4.5	-1.4	6.3	12.6	17.5	21.0	25.1	25.9	20.5	14.0	8.7	3.7	12.5
1964	2.2	-0.1	5.9	15.8	18.4	21.4	26.4	27.2	22.1	15.3	8.4	3.2	13.9
1965	-0.8	1.0	4.1	11,1	17.9	21.7	24.5	25.9	20.5	15.0	9.3	1.7	12.7
1966	-0.5	2.7	6, 9	12.7	18.1	21.3	25.1	27.7	21.1	15.9	8.3	0.8	13.3
1967	-1,3	0.3	6.2	12.9	19.5	22.6	25.9	28.2	22.1	15.4	8.2	-1.0	13.3
1968	-0.3	-1.8	5.7	12.9	17.5	21.8	25.8	25.6	21.3	13.9	9.5	6.0	13.2
1969	0.0	1.4	4.6	12.4	17.4	20.2	24.5	25.9	21.7	14.1	7.3	1.2	12.6
1970	-1.6	2.6	2.8	12.0	18.0	20.6	24.1	27.2	22.4	16.0	7.3	2.3	12.8
1971	-0.3	1.3	4.3	12.4	17.6	21.6	25.8	25.6	21.1	13,4	9.3	2.5	12.9
1972	3.9	1.7	6.5	12.4	.16.7	21.7	25.3	24.7	20.3	14.9	8.2	2.5	13.2
1973	2.6	3.0	5.8	13.9	17.3	22:1	27.0	27.1	20.6	14.4	7.0	0.4	13.4
1974	-0.2	0.9	5.2	12.3	17.6	20.3	23.5	26.1	20.6	14.3	7.4	2.4	12.5
1975	0.1	1.3	5.4	13.2	16.9		25.7	27.1	23.6	16.3	10.2	1.5	13.5
1976	-1.3	4.5	6.1	12.0	16.5	21.1	23.6	25.8	20.0	14.8	6.0	2.3	12.6
Ave.	-0.3	1.5	5.7	12.3	17.5	21.4	25.5	26.3	21.2	14.7	8.4	2.5	13.1

Table B 2 Continued (6)

Jeonju	(1952-	-1976)										Un	it: °C
Year	Jan.	Feb.	Mar	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	-0.3	-1.3	4.2	11.9	17.8	21.9	26.2	25.5	20.2	13.1	9.4	0.6	12.4
1953	-2.3	-0.2	5.7	10.2	17.5	20.7	26.2	26.6	20.9	15.7	6.9	3.0	12.6
1954	0.6	2.8	4.5	12.3	17.0	20.3	23.6	26.8	21.1	13.1	10.3	0.5	12.7
1955	-2.7	2.2	6.0	12.6	16.6	22.2	25.9	26.3	21.3	13.2	7.0	2.9	12.8
1956	-1.3	-1.1	5.6	11.1	15.4	21.1	26.0	25.1	20.7	13.4	5.1	-1.2	11.7
1957	-0.1	-1.0	2.0	11.2	17.1	20.1	24.3	24.7	18.3	13.2	9.0	2.4	11.8
1958	-2.3	1.2	5.4	12.0	16.5	22.4	26.3	24.4	20.5	13.5	7.7	5.0	12.7
1959	-2.3	4.4	7.7	11.0	17.8	21.6	26.0	27.1	21.6	15.1	6.9	2.9	13.3
1960	-0.5	2.7	8.2	11.1	16.8	21.9	26.6	27.0	21.4	15.2	8.4	1.2	13.3
1961	-1.8	-0.5	6.4	12.4	17.6	22.3	27.3	27.4	22.4	16.2	9.6	2.2	13.5
1962	-1.4	1.5	4.7	10.4	17.6	21.4	26.3	25.8	20.9	13.5	8.0	3.2	12.7
1963	-5.2	-1.6	6.2	12.4	17.7	21.4	25.6	25.4	20.7	13.6	8.1	3.2	12.3
1964	1.3	-0.9	5.4	16.2	18.3	21.7	26.8	27.5	21.6	14.6	7.7	2.3	13.5
1965	-1.6	0.4	3.9	11,1	18.3	22.1	25.1	26.3	20.9	15.2	9.1	1.3	12.7
1966	-1.3	2.2	6.8	12.3	18.3	21.8	25.5	27.5	20.9	15.6	8.1	-0.3	13.1
1967	-2.1	-0.3	5.8	12.9	19.7	22.7	26.4	28.0	21.6	14.6	7.5	-1.6	12.9
1968	-1.1	-2.7	5.3	12.8	17.7	21.8	25.9	25.5	20.9	13.4	9.0	5.7	12.9
1969	-1.2	0.4	4.0	12.5	17.5	20.7	25.0	26.4	21.7	13.8	6.7	0.9	12.4
1970	-2.5	1.7	2.1	12.1	18.5	21.2	24.9	27.1	22.5	15.6	6.7	1.4	12.6
1971	-1.2	0.7	4.0	11.9	18.2	22.3	26.2	25.8	21.3	13.1	8.9	1.3	12.7
1972	2.8	1.0	5.9	12.7	16.9	22.1	25.7	24.7	20.0	14.6	7.5	1.9	13.0
1973	1.5	2.0	5.2	13.8	17.4	22.1	27.7	22.5	20.7	13.7	6.3	-0.6	12.7
1974	-1.3	0.0	4.9	12.6	17.7	20.4	23.9	26.4	20.6	13.7	6.5	1.3	12.2
1975	-0.5	0.4	5.1	13.2	16.9	21.8	25.7	27.5	23.3	15.8	9.7	0.3	13.3
1976	-2.0	3.9	5.6	12.0	16.9	21.5	23.9	26.1	20.0	14.5	5.4	1.7	12.5
Ave.	-1.2	0.7	5.2	12.2	17.5	21.6	25.7	26.1	21.0	14.3	7.8	1.7	12.7

Table B 3 MONTHLY MEAN MAXIMUM TEMPERATURE

Seoul.	(1954-1	.976)					*					Und	Lt: °C
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952		_		_	-		_			· _		· <u>-</u>	-
1953					_		***			*****	_	. <b>–</b>	
1954	2.5	5.1	8.6	18.4	23.1	24.6	26.2	30.3	25.3	18.4	14.8	1.5	16.6
1955	-1.0	5.2	9.5	16.3	22.4	27.3	28.4	31.9	26.2	18.4	10.7	4.9	16.7
1956	0.4	1.4	8.0	14.6	21.5	24.6	28.1	29.8	25.5	19.2	8.4	-1.1	15.0
1957	-	-0.2	4.7	16.6	23.5	26.0	26.3	23.9	25.7	18.6	13.7	3.4	15.2
1958	-1.9	3.6	9.1	16.2	22.9	29.0	30.5	28.4	25.0	18.4	11.3	8.3	16.7
1959	0.7	6.7	10.8	15.8	23.9	25.6	28.8	31.1	25.6	20.9	10.6	4.8	17.0
1960	0.6	6.4	12.0	16.7	21.9	25.4	28.9	31.2	25,4	21.1	11.7	2.3	17.0
1961	-1.2	3.8	11.0	17.4	22.9	26.7	30.1	31.0	26,2	20.8	13.6	3.5	17.2
1962	1.0	4.2	7.9	15.1	23.8	26.4	30.5	29.2	24.7	19.1	10.5	5.5	16.5
1963	-4.8	2.4	11.4	15.7	21.8	26.0	28.0	30.1	25.5	19.5	11.3	5.1	16.0
1964	3.8	0.4	8.5	18.6	24.2	26.5	28.3	30.4	24.6	19.3	11.0	4.7	16.7
1965	-0.2	3.2	7.8	15.8	23.4	28.7	28.3	28.4	26.7	20.9	11.3	2.4	16.4
1966	0.1	4.8	9.2	17.6	23.7	25.4	26.9	31.2	24.6	19.5	10.7	1.3	16.2
1967	0.3	1.5	9.7	17.3	25.7	26.3	29.6	30.5	26.0	20.4	11.4	-1.1	16.5
1968	0.1	0.7	9.6	18.8	22.8	26.7	28.5	29.5	26.4	18.5	12.7	7.2	16.8
1969	0.4	0.9	7.7	16.0	21.7	25.5	27.7	28.9	25.2	19.5	9.4	2.2	15.4
1970	0.1	4.5	4.8	18.3	24.6	25.1	26.5	29.9	26.0	20.4	10.4	2.9	16.1
1971	1.7	3.5	6.6	17.0	22.1	26.0	27.4	28.6	25.2	18.7	13.4	2.8	16.1
1972	4.5	3.0	10.3	16.7	21.1	27.4	30.0	27.1	24.0	19.2	9.3	4.7	16.4
1973	4.2	5.2	10.0	17.6	22.9	26.1	31.2	29.8	25.0	18.2	9.3	1.7	16.8
1974	2.5	1.9	8.9	15.8	22.1	25.1	27.2	29.4	25.8	17.9	10.5	3.7	15.9
1975	1.8	4.0	9.7	19.3	22.2	26.7	28.8	31.9	27.1	20.6	13.8	2.8	17.4
1976	0.7	7.1	10.6	17.0	22.7	26.9	27.7	27.6	25.3	19.0	8.0	4.6	16.4
Ave.	0.7	3.4	9.0	16.9	22.9	:26.3	28.4	29.6	25.5	19.4	11.2	3.4	16.4

Table B 3 Continued (2)

Chupun	gryeong	<b>(</b> 1953	-1976)	_								Un	lt: °C
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952		_		_		~~		_	. —	_			_
1953	0.5	3.1	10.7	17.4	22.5	24.7	29.1	29.5	26.2	21.7	11,1	6.2	16.9
1954	3.3	6.0	11.1	18.6	22.6	22.6	25.6	30.5	25.4	17.8	15.6	3.8	16.9
1955	0.8	7.1	11.0	18.1	23.4	27.6	29.1	29.9	24.7	17.9	11.1	6.4	17.3
1956	2.1	2.3	8.9	16.0	21.3	24.5	28.6	28.1	24.0	19.1	9.1	1.2	15.4
1957	2.4	1.3	6.3	17.3	23.7	25.0	25.9	27.6	24.1	19.2	13.8	5.1	16.0
1958	~0.2	5.3	11.4	17.4	23.1	29.0	28.8	26.6	23.9	17.6	11.8	8.5	16.9
1959	0.5	6.4	12.0	16.5	23.9	26.1	29.1	29.7	24.4	21.1	11.5	5.4	17.2
1960	1.9	7.3	13.0	16.9	22.2	26.2	30.1	31.4	24.5	19.8	12.7	3.2	17.4
1961	0.4	4.4	11.0	18.6	23.1	26.4	30.5	30.2	25.4	19.9	12.8	5.2	17.3
1962	1.2	5.0	9.5	16.0	25.0	27.1	29.7	29.4	23.6	19.1	10.2	6.8	16.9
1963	-3.4	3.0	11.9	15.9	21.8	24.6	28.3	29.3	24.5	19.2	12.4	6.2	16.1
1964	4.3	1.1	10.2	17.9	24.0	26.2	30.0	31.0	24.5	18.6	11.8	5.9	17.1
1965	1.3	3.9	9.0	16.2	23.6	27.8	26.9	29.9	25.7	20.8	12.1	4.0	16.8
1966	2.2	6.7	9.5	17.2	23.6	26.3	28.0	30.8	23.5	18.9	12.0	2.9	16.8
1967	0.2	2.7	11.0	17.1	25.9	27.4	29.3	31.6	25.0	19.8	11.2	0.7	16.8
1968	1.6	1.1	10.7	19.4	22.6	27.8	29.1	28.6	25.2	17.5	12.3	8.0	17.0
1969	1.2	1.5	8.6	17.1	23.1	26.2	27.7	28.8	24.2	19.1	10.3	3.3	15.9
1970	1.5	5.9	6.3	17.6	22.9	24.3	27.6	29.1	24.8	20.2	11.3	4.5	16.3
1971	2.2	3.3	7.8	18.4	23.6	25.7	29.3	27.9	25.1	18.4	13.8	4.9	16.7
1972	5.6	3.7	10.4	17.3	21.3	27.5	29.4	28.1	24.0	19.5	10.3	5.4	16.8
1973	4.7	6.0	11.0	18.7	22.2	26.3	32.0	31.6,	24.8	17.8	10.5	3.0	17.4
1974	3.4	2.9	9.2	17.6	23.0	25.8	25.4	29.9	25.3	18.7	11.2	4.5	16.4
1975	2.3	4.1	10.2	18.4	21.9	26.1	29.0	30.6	26.4	19.5	13.3	3.8	17.1
1976	2.7	7.3	10.4	17.0	22.3	25.5	26.2	27.7	24.2	19.2	9.2	5.2	16.4
Ave.	1.8	4.2	10.0	17.4	23.0	26.1	28.5	29.5	24.7	19.2	11.7	4.8	16.7

Table B 3 Continued (3)

Daegu	(1952-1	976)			-							Un	it: °C
Year	Jan.	Feb.	Mar.	Apr.	Мау	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annua1
1952	4.1	4.3	10.5	19.1	24.5	29.1	30.6	31.5	25.3	20.7	14.7	4.9	18.3
1953	2.2	5.0	13.1	19.0	23.7	25.7	30.4	31.5	27.2	23.0	12.6	7.8	18.4
1954	4.9	7.9	12.5	18.9	23.4	24.0	26.6	31.9	26.6	19.0	16.9	6.0	18.2
1955	2.9	8.3	12.2	19.0	25.0	28.8	31.0	31.3	26.0	19.7	13.4	8.3	18.8
1956	4.5	5.5	10.6	17.7	23.2	25.8	29.6	29.3	25.3	20.7	11.4	3.6	17.3
1957	5.1	4.2	9.3	19.4	25.0	26.4	27.4	28.8	25.3	21.4	15.3	7.4	17.9
1958	2.3	7.4	13.2	18.8	24.7	30.0	30.3	28.1	25.4	19.1	13.8	. 10.5	18.6
1959	3.2	8.4	13.9	18.4	25,4	28.0	31.4	30.8	26.0	22.8	13.9	7.2	19.1
1960	4.0	9.7	14.1	18.5	23.5	28.6	31.9	33.1	25.9	21.1	14.5	5.8	19.2
1961	2.7	7.0	13.2	20.0	24.3	27.5	31.4	31.6	27.0	21.9	14.6	6.9	19.0
1962	3.9	7.7	12.3	18.3	27.0	28.5	30.8	31.7	25.5	21.2	12.1	8.8	18.9
1963	-0.2	5.9	13.4	16.9	22.4	24.4	30.1	30.4	26.4	21.3	14.5	8.4	17.8
1964	6.5	3.8	12.3	18.3	25.8	27.9	32.8	34.0	26.0	20.3	14.2	8.1	19.2
1965	4.0	5.8	11.7	17.8	25.0	28.9	28.7	31.5	27.5	22.5	14.1	6.1	18.6
1966	4.6	8.7	11.4	18.1	24.5	26.9	29.8	33.2	24.9	20.8	14.1	5.0	18.5
1967	3.4	5.3	13.1	18.1	26.7	28.4	30.6	34.5	26.4	21.6	12.6	3.1	18.7
1968	4.2	4.3	12.9	20.1	23.5	29.5	30.5	29.7	26.1	19.3	13.9	10.0	18.7
1969	3.8	3.9	10.6	18.2	23.8	28.4	29.1	31.1	25.5	20.5	12.4	5.3	17.7
1970	3.8	8.0	8.7	18.3	23.8	25.4	28.9	30.6	25.8	21.3	12.6	6.4	17.8
1971	4.5	5.6	9.9	19.4	24.9	27.2	30.9	29.6	25.8	20.5	15.8	7.1	18.4
1972	7.1	6.1	11.9	18.1	22.5	28.5	30.3	29.8	25,3	21.0	12.3	7.2	18.3
1973	6.1	.7.9	13.1	20.6	24.0	27.8	34.0	33.6	26.5	19.6	12.7	5.3	19.3
1974	5.3	5.0	11.3	19.6	24.7	28.1	26.1	31.9	27.2	20.8	13.3	6.1	18.2
1975	4.1	6.1	12.4	19.1	23.2	27.4	30.8	32.2	27.9	20.9	14.9	6.6	18.8
1976	4.5	9.3	12.1	18.0	24.0	27.1	28.6	30.6	25.7	21.2	11.2	7.0	18.3
Ave.	4.1	6.4	12.0	18.7	24.3	27.5	30.1	31.3	26.1	20.9	13.7	6.8	18.5

Table B 3 Continued (4)

Busan	(1952-1	976)										Un:	it: °C
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	6.1	6.3	11.4	17.3	21.7	23.9	27.4	29.2	24.9	21.1	17.2	7.3	17.8
1953	5.2	7.6	12.9	17.3	20.3	22.4	27.1	29.3	26.0	23.1	15.2	10.9	18.1
1954	8.2	9.6	12.6	16.9	20.5	21.4	24.2	29.3	26.2	20.0	18.4	9.2	18.0
1955	5.2	10.3	12.3	17.0	21.0	24.5	27.4	28.8	25.8	20.7	15.2	11.0	18.3
1956	7.1	7.3	10.6	16.1	20.8	22.5	26.7	27.3	24.6	21.2	13.5	6.0	17.0
1957	8.1	6.3	10.6	17.1	21.6	22.9	24.9	27.2	25.2	21.7	17.3	9.7	17.7
1958	5.4	9.7	12.5	17.2	21.7	25.0	27.6	27.1	25.6	20.0	15.3	13.2	18,4
1959	. 5.5	10.5	13.8	16.7	21.6	23.6	27.6	29.0	25.8	23.3	16.6	9.4	18.6
1960	6.5	11.0	14.0	17.1	20.8	24.0	28.2	30.9	25.6	21.6	16.5	7.6	18.7
1961	5.4	8.7	13.2	17.4	21.3	23.6	28.4	29.6	27.0	22.4	16.5	9.2	18.6
1962	5.6	9 4	12.4	16.7	22.8	23.3	26.7	28.2	25.2	20.9	14.1	11.3	18.1
1963	2.8	7.1	12.1	15.0	18.9	21.4	26.7	28.8	25.1	20.6	16.2	11.1	17.2
1964	8.8	5.7	12.6	16.3	22.4	23.8	28.0	30.9	25.5	21.4	16.1	10.1	18.5
1965	6.6	7.9	12.1	15.9	21.4	.24.0	25.5	29.1	26.4	22.1	16.5	8.6	18.0
1966	6.4	10.2	12.5	16.5	21.3	23.3	26.5	30.7	25.2	21.7	15.5	7.6	18.1
1967	5.9	6.6	12.8	16.3	22.7	24.9	27.6	31.2	26.2	21.8	15.0	5.6	18.1
1968	6.1	5.6	12.6	17.6	19.9	23.9	26.8	27.8	24.9	20.2	16.5	12.0	17.8
1969	6.3	6.6	11.3	16.3	21.0	23.4	26.0	28.7	25.3	21.0	14.3	8.2	17.4
1970	5.9	9.8	9.6	15.9	20.8	21.9	25.7	29.0	25.6	21.3	14.5	8.7	17.4
1971	6.4	7.5	10.7	17.2	21.2	23.5	27.6	28.4	25.2	20.6	16.8	9.8	17.9
1972	9.7	8.3	12.2	16.3	19.8	23.6	26.8	27.5	24.6	21.0	14.4	10.2	17.9
1973	8.5	9.4	12.9	18.1	20.8	23.6	29.4	30.5	25.6	20.7	14.7	7.7	18.5
1974	7.5	7.3	11.5	17.3	21.2	23.2	23.8	28.6	26.6	21.3	15.2	8.9	17.7
1975	6.4	7.6	13.3	17.0	20.3	23.5	27.5	30.2	27.0	21.7	16.0	8.9	18.3
1976	6.6	10.9	12.4	16.6	20.5	22.9	25.5	28.2	24.6	21.5	13.1	9.7	17.7
Ave.	6.5	8.3	12.2	16.8	21.1	23.4	26.8	29.0	25.6	21.3	15.6	9.3	18.0

Table B 3 Continued (5)

Gwangj	u (1952	-1976)										Un i	Lt: °C
Year	Jan.	Feb.	Mar.	Apr.	Мау	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	4.2	4.1	10.7	18.8	24.8	27.4	30.8	31.1	25.5	20.6	15.7	5.9	18.3
1953	3.2	5.7	12.5	17.9	23.6	25.3	30.3	31.7	27.4	23.0	13.1	8.3	18.5
1954	5.6	8.7	11.4	20.1	23.6	25.0	27.4	31.8	26.5	19.8	17.9	6.0	18.7
1955	2.7	8.7	11.9	18.9	24.8	28.6	30.2	31.3	27.4	20.1	13.3	9.5	18.9
1956	5.0	5.1	10.6	17.4	22.2	26.3	30.3	29.9	25.9	20.7	11.7	4.9	17.5
1957	5.2	4.3	9.2	18.3	24.1	25.8	27.6	29.6	26.0	20.5	16.2	8.3	17.9
1958	3.1	7.4	12.4	18.3	24.1	29.5	30.8	28.9	26.6	19.9	13.7	11.0	18.8
1959	2.3	9.6	14.1	17.3	24.5	27.5	30.5	32.7	26.4	23.6	11.4	8.1	19.2
1960	4.1	8.5	14.0	17.3	22.0	27.0	30.3	31.6	26.0	21.5	14.5	5.5	18.5
1961	2,6	6.5	12.9	18.9	22.9	26.9	30.8	31.1	27.2	22.4	15.1	7.2	18.7
1962	2.8	6.9	10.9	16.5	25.1	26.8	29.3	29.9	25.4	20.5	13.0	8.9	18.0
1963	-0.5	3.3	12.8		22.2	25.0	28.3	31.1	25.9	20.7	13.8	8.2	17.3
1964	6.4	3.3	11.7	20.2	24.5	26.4	30.6	32.3	26.7	20,7	14.0	8.0	18.7
1965	3.8	5.6	10.2	17.5	23.6	27.6	27.4	30.3	26.6	21.7	14.6	6.2	17.9
1966	4.2	8.5	11.7	18.1	23.8	26.5	28.8	32.4	26.2	21.3	14.4	5.0	18.4
1967	3.1	4.4	11.9	18.0	26.5	28.6	29.7	33.7	28.2	22.3	13.1	2.8	18.5
1968	3.3	2.7	11.7	19.3	23.2	28.2	30.8	30.4	27.0	19.5	15.2	10.5	18.5
1969	3.5	5.0	10,9	17.8	23.2	26.1	28.2	30.1	26.0	20.8	12.2	5.6	17.5
1970	3.4	7.8	8.3	18.4	23.7	. 24.7	28,2	31.8	26.2	21.5	12.7	6.9	17.8
1971	4,2	5.7	9.7	19.0	23.6	26.0	29.7	29.8	26.0	19.8	15.3	7.3	18.0
1972	8.3	5.3	12.1	17.9	21.9	27.6	29.3	28.9	25.3	21.2	13.1	7.5	18.2
1973	7.1	7.6	12.1	20.0	22.8	27.6	32.1	31.6	25.8	19.9	12.6	5.3	18.1
1974	5.7	5.9	10.4	18.3	23.9	26.4	26.9	31.0	26.4	20.0	13.1	6.7	17.9
1975	4.3	6.1	11.8	17.7	22.6	26.5	29.6	31.9	28.3	21.5	15.6	6.5	18.6
1976	3.4	10.1	11.8	17.9	22.3	26.0	28.3	29.9	26.0	20.8	11.7	7.6	18.0
Ave.	5.3	5.5	11.5	18.3	23.6	26.8	29.4	31.0	26.4	21.0	14.0	7.1	18.3

Table B 3 Continued (6)

3<u>3</u>-

Jeonju	(1952-	1976)			•		-					Un	it: °C
Year	Jan.	Feb.	Mar.	Apr.	Мау	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	3.5	3.1	9.7	18.3	24.7	28.2	31.4	30.3	25.1	19.8	14.3	4.4	17.7
1953	1.8	4.1	11.7	17.2	23.8	24.9	30.0	31.1	26.9	22.8	12.3	7.2	17.8
1954	4.1	7.9	10.6	18.8	23.3	25.5	27.6	31.5	26.3	19.3	17.3	4.7	18.1
1955	1.9	7.8	11.5	18.6	24.1	28.5	30.4	31.2	27.1	19.8	12.6	8.1	18.5
1956	3.5	4.3	10.3	16.9	21.8	26.5	30.2	30.3	26.0	20.5	11.2	3.7	17.1
1957	4.0	3.5	8.2	18.3	23.8	25.5	27.9	29.5	25.9	20.3	15.3	7.3	17.5
1958	2.4	6.1	11.9	18.2	23.6	29.6	30.6	28.7	25.8	19.6	12.8	10.0	18.3
1959	1.8	8.6	13.1	16.8	24.3	27.7	30.5	32.5	26.3	22.7	12.7	7.0	18.7
1960	4.0	8.4	14.2	18.2	22.9	27.5	31.4	32.6	26.4	21.8	14.2	5,3	18.9
1961	2.8	5.9	12.3	18.8	23.8	27.7	31.7	31.8	27.6	22.2	14.9	7.0	18.9
1962	2.8	6.9	11.1	17.1	25.6	27.6	31.2	30.4	25.5	20.3	12.7	8.4	18.3
1963	-0.9	3.6	12.8	17.2	23.1	26.2	29.5	30.6	26.4	20.6	13.6	7.8	17.5
1964	5.8	2.9	11.2	21.1	24.4	27.1	31.1	32.7	26.3	20.5	13.0	7.2	18.6
1965	2.9	5.1	9.8	17.6	24.6	28.5	28.6	31.0	27.3	21.8	14.1	6.1	18.1
1966	3.9	8.4	11.5	18.4	24.6	27.1	29.5	32.2	26.1	21.2	13.9	3.9	18.4
1967	2.7	3.8	11.7	18.7	27.0	28.4	30.5	32.9	27.1	21.5	12.5	2.4	18.3
1968	2.9	2.5	11.5	19.5	23.7	28.2	30.5	30.3	26.7	19.4	14.5	10.2	18.3
1969	2.5	4.3	10.0	18.5	23.3	26.8	29.0	30.7	26.3	20.8	11.9	-5.8	17.5
1970	3.4	7.8	8.0	19.0	24.9	25.9	29.1	31.5	26.6	21,5	12.5	6.3	18.0
1971	3.9	5.6	9.8	19.1	24.7	27.2	30.1	30.3	26.8	20.0	15.3	6.5	18.3
1972	7.6	5.0	11.9	18.4	22.2	28.0	30.1	29.2	25.2	21.3	12.5	7.0	18.2
1973	6.0	6.9	12.2	20.1	23.2	27.5	32.8	32.4	26.2	19.6	12.1	4.6	18.6
1974	4.6	5.0	10.5	18.4	23.5	26.3	27.4	31.4	26.4	19.6	12.4	5.7	17.6
1975	4.1	5.9	11.3	19.4	22.8	26.8	30.0	32.4	28.5	21.4	15.6	5.9	18.7
1976	3.7	9.4	11.6	18.5	23.3	26.8	28.5	30.5	26.1	20.9	11.2	7.2	18.1
Ave.	3.4	5.7	11.1	18.4	23.9	27.2	30.0	31.1	26.4	20.8	13.4	6.4	18.2

Table B 4 MONTHLY MEAN MINIMUM TEMPERATURE

<u>Seoul</u>	(1954-1	976)										. Un:	Lt: °C
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	***	-	· · -			_	_		_	_			_
1953	_				·						<u></u> . ٠	_	
1954	-5.5	-4.3	-1.6	6.7	11.7	15.7	18.9	22.7	16.5	7.2	4.5	-6.9	7.1
1955	-10.6	-5.1	-0.2	6.5	11.1	17:2	21.8	22.0	16.3	7.6	1.2	-3.3	7.0
1956	-8.5	-7.9	-0.3	5.3	10.5	16.0	21.5	21.7	16.1	7.2	-1.7	-9.6	5.9
1957	-7.6	-8.5	-3.8	5.4	11.8	16.0	19.9	20.8	13.4	7.2	3.3	-4.2	6.1
1958	-10.7	-4.7	-1.0	6.2	11.2	17.6	22.5	20.5	15.8	8.0	2.5	0.0	7.3
1959	-9.5	-1.3	1.8	5.6	13.1	16.6	21.2	22.2	16.9	9.6	1.0	-2.8	7.9
1960	-7.6	-2.7	1.9	5.5	11.9	16.7	21.9	22.5	16.9	9.9	2.3	-6.2	7.8
1961	-9.6	-5.3	0.7	6.5	11.8	17.6	23.3	23.5	17.1	10.8	. 4.7	-4.5	8.1
1962	-7.3	-4.8	-1.0	4.9	11.5	16.3	22.2	22.4	16.3	8.0	2.2	-3.0	7.3
1963	-13.0	-6.5	0.6	73	12.7	17.2	21.8	22.5	16.2	8.0	2.2	-3.1	7.2
1964	-3.5	7.0	0.1	10.1	13.7	17.6	22.0	23.3	16.6	9.3	2.1	-3.7	8.4
1965	<b>-7.9</b>	-5.2	-1.7	5.5	12.4	17.2	20.8	21.4	15.9	9.7	2.7	-6.2	7.0
1966	-9.0	-4.4	1.3	7.0	12.9	16.4	21.2	23.3	15.5	10.2	1.4	-6.7	7.4
1967	-8.5	-5.8	0.8	7.3	14.2	17.5	22.5	24.1	16.3	9.2	2.6	-8.3	7.7
1968	-7.7	-8.4	0.3	7.1	12.5	16.4	21.9	21.3	16.3	8.4	3.5	0.1	7.6
1969	-6.7	-6.1	-0.8	6.2	12.0	15.6	21.1	21.7	17.3	8.7	1.2	-6.0	7.8
1970	-8.8	-3.7	-3.2	7.1	13.8	16.9	20.5	22.9	17.5	10.2	1.4	-4.6	7.5
1971	-5.7	-4.2	-1.5	6.5	12.0	18.2	21.3	21.5	16.8	.8.0	4.8	-4.7	7.8
1972	-2.1	-3.5	1.4	6.9	11.7	17.2	22.1	19.7	14.8	9.1	1.6	-2.9	8.0
1973	-2.6	-3.2	0.4	8.0	12.8	17.8	23.6	23.0	16.5	8.6	0.8	-7.0	8,.2
1974	-6.3	-5.5	-0.1	6.2	12.1	15.5	20.9	21.8	16.5	7.8	1.3	-4.1	7.2
1975	-6.3	-4.6	0.5	8.4	12.3	17.5	22.0	23.4	19.0	11.2	5.2	-5.0	8.6
1976	-7.8	-0.7	1.0	6.7	11.5	17.2	19.7	20.9	15.4	9.2	-0.4	-3.4	7.2
Ave.	<b>-7,</b> 5	-4.9	-0.2	6.6	12.2	16.9	21.5	22.1	16.3	8.8	2.2	-4.6	7.5

Table B 4 Continued (2)

Chupun	gryeon	g (1953	3-1976)									Uni	Lt: °C
Year	Jan .	Feb	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952		_	<b></b> .	_					_		· .		
1953	-8.2	-6.6	-0.1	2.8	10.5	15.6	20.8	20.5	14.4	8.2	0.1	-2.5	6.3
1954	-4.7	-4.2	2.0	5.5	10.1	13.9	18.3	21.1	15.5	6.6	4.0	-5.2	6.6
1955	-8.5	-4.6	0.2	5.9	10.6	16.8	21.4	20.1	15.1	6.6	13.	-2.9	6.8
1956	-7.1	-6.6	0.1	4.7	10.2	15.2	20.9	19.6	14.9	6.8	-1.4	-7.6	5.8
1957	-5.1	-7.0	-3.3	5.3	11.5	15.2	19.5	19.7	11.7	6.8	2.3	-3.3	6.1
1958	-8.8	-4.7	-1.0	6.1	10.1	15.9	21.1	19.3	14.9	7.0	2.6	-0.1	6.9
1959	-7.5	-1.1	1.5	5.5	12.6	16.1	21.1	21.4	16.4	8.1	1.8	-2.2	7.8
1960	-6.5	-3.0	1.9	5.4	11.5	16.2	22.2	21.5	15.8	8.6	2.1	-4.8	7.6
1961	-8.3	-4.8	0.6	6.4	11.8	16.9	23.2	22.7	17.1	10.5	4.0	-3.8	8.0
1962	-5.8	-3.9	-1.1	4.7	11.4	15.9	21.2	21.4	15.5	7.1	2.2	-2.2	7.2
1963	-10.4	-6.3	-0.4	6.5	12.1	15.7	21.2	21.2	14.7	5.9	1.5	-2.3	6.6
1964	-3.8	-5.9	-0.4	8.9	12.7	16.1	21.9	22.1	16.7	8.4	1.8	-3.7	7.9
1965	-7.7	-4,.7	-1.7	5.0	11.7	15.8	20.3	21.1	14.2	8.6	2.7	-5.5	6.6
1966	-7.3	-4.5	1.0	6.0	11.1	15.3	20.4	22.4	14.7	9.3	0.8	-5.5	7.0
1967	-7.7	5.1	0.2	6.3	12.7	16.6	21.4	23.1	14.3	7.8	2.3	-7.1	7.1
1968	~6.2	-8.4	-0.7	5.8	11.3	15.8	20.9	19.9	14.2	7.0	2.0	-1.1	6.7
1969	-6.6	-5.9	-1.8	5.3	11.2	14.5	19.9	20.6	15.8	6.7	0.4	-5.9	6.2
1970	-8.7	-4.3	-3.4	4.9	12.1	15.6	19.8	22.1	17.0	8.6	0.3	-4.4	6.6
1971	-6.0°	-4.9	-1.6	5.2	10.6	16.7	21.1	20.3	14.9	6.1	2.2	-4.8	6.7
1972	-3.0	-3.3	0.3	5.6	10.0	15.7	20.5	19.0	13.5	7.5	1.8	-3.9	7.0
1973	-3.2	-3.2	0.6	6.7	11.2	16.2	21.9	21.9	14.5	7.5	0.1	-6.2	7.2
1974	-7.4	-6.0	-1.2	5.3	11.2	14.5	19.2	20.4	13.3	7.1	0.2	-4.6	6.0
1975	-5.6	-4.8	-0.6	0.9	10.7	16.2	20.7	20.9	17.3	9.4	3.7	-4.5	7.5
1976	-7.7	-2.0	-0.2	4.8	9.6	15.4	18.5	20.0	13.2	7.2	-0.9	-3.8	6.2
Ave.	-6.7	-4.4	-0.5	5.6	11.2	15.7	20.7	20.9	15.0	7.6	1.6	-4.1	6.9

Table B 4 Continued (3)

Daegu	(1952~1	976)										Un	1t: °C
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annua1
1952	-4.9	-5.0	0.2	6.8	11.9	17.1	21.6	21.4	16.3	7.8	4.3	-4.8	7.7
1953	-7.9	-4.5	1.1	4.7	11.9	17.1	22.4	22.7	16.3	10.2	1.6	-1.0	7.9
1954	-2.6	-2.3	0.4	7.7	11.7	15.4	19.8	23.1	17.7	7.9	4.9	-2.7	8.4
1955	-7.8	-3.4	2.5	7.2	12.4	18.0	22.9	21.0	16.5	8.0	1.6	-2.1	8.1
1956	-5.9	-5.5	1.3	6.1	11.3	16.3	21.3	20.6	16.4	7.9	-0.6	-6.7	6.9
1957	-3.9	-5.4	-2.1	6.4	11.9	15.8	20.5	20.4	12.5	7.5	2.9	-2.7	7,0
1958	-7.8	-3.7	-0.3	7.2	11.6	17.3	22.1	20.7	16.5	8.6	4.5	0.7	8.1
1959	-6.0	0.5	3.1	6.8	13.0	17.2	22.5	22.6	18.2	9.6	3.5	-1.5	9.1
1960	-5.5	-2.1	2.8	6.5	12.5	17,3	23.1	22.8	17.1	9.7	3.2	-3.5	8.7
1961	-7.4	-3.9	2.3	7.4	12.5	17.6	24.1	23.5	18.2	12.3	4.9	-2.6	9.1
1962	-4.9	-3.3	-0.2	. 6.1	12.1	16.3	22.1	22.2	16.5	8.6	3.5	-1.5	8.1
1963	-9.0	-5.9	0.8	7.3	12.4	16.1	22.3	22.4	15.8	7.7	2.4	-1.8	7.5
1964	-2.7	-3.9	0.8	8.6	13.3	17.0	23.0	24.0.	17.9	9.6	2.2	-3.3	8.9
1965	-7.1	-3.9	-0.8	5.6	12.6	16.7	21.4	22.3	15.1	9.4	4.1	-4.3	7.6
1966	-5.9	-2.6	2.5	7.1	12.0	16.8	21.5	24.1	15.7	10.5	1.8	-4.3	8.3
1967	-7.0	-3.6	1.6	7.6	13.7	17.9	22.6	24.4	16.3	9.3	3.1	5.7	8.4
1968	-5.3	-6.9	0.9	6.9	12.5	17.0	22.2	21.6	16.5	8.6	3.5	0.7	8.2
1969	-4.7	-3.9	-0.2	6.2	12.7	16.7	21.4	22.3	17.2	8.1	1.7	-4.6	7.7
1970	-7.5	-2.8	-1.8	6.6	13.1	17.0	21.2	23.3	19.1	10.6	1.4	-3.2	8.1
1971	-4.8	-3.3	0.2	6.9	12.4	17.8	23.0	21.7	16.7	8.0	3.3	-4.0	8.2
1972	-1.7	-5.6	1.7	6.7	10.9	17.2	22.0	20.6	15.4	9.2	3.2	-2.9	8.4
1973	-1.6	-1.3	1.1	8.4	12.9	17.3	23.8	23.8	16.5	8.8	1.9	-5.7	8.8
1974	-6.4	-4.0	0.8	7.1	12.7	16.0	19.7	22.1	15.3	9.2	1.5	-2.4	7.6
1975	-3.9	-3.1	1.2	8.1	12.5	17.4	22.3	22.5	19.4	11.3	5.6	-2.7	9.2
1976	-6.4	-0.8	1.6	7.1	11.7	17.3	20.1	21.9	15.0	9.5	0.8	-3.0	7.9
Ave.	-5.5	-3.6	1.1	6.9	12.3	16.9	22.0	22.3	16.6	9.1	2.8	-2.5	8.2

Table B 4 Continued (4)

Busan	(1952-1	1976)									-	Un	it: °C
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	-1.5	-1.6	3.1	9.6	13.6	17.8	21.6	22.8	18.4	12.5	9.5	-0.1	10.5
1953	-2.5	-0.3	4.2	8.8	13.7	17.0	21.4	23.5	19.0	15.2	6.1	3.3	10.8
1954	1.2	1.4	3.6	9.9	13.5	15.9	19.7	23.5	19.7	12.3	10.1	0.6	11.0
1955	-3.6	1.8	5.4	10.0	14.0	18.4	22.3	22.1	19.1	12.4	6.1	2.9	10.9
1956	-1.2	-1.7	3.4	8.6	13.0	16.5	21.0	21.4	18.5	13.1	4.5	-2.3	9.6
1957	0.3	-2.2	1.2	9.1	14.1	16.5	20.6	21.6	17.6	12.7	8.7	2.1	10.2
1958	-2.7	1.3	3.9	9.6	13.5	17.7	21.7	21.6	18.9	12.2	8.3	4.8	10.9
1959	-2.9	3.5	5.7	9.1	14.2	17.4	21.7	23.3	19.9	14.5	7.6	2.1	11.3
1960	-1.8	2.1	5.6	8.9	14.0	17.6	22.3	23.9	19.0	14.0	8.2	-0.1	11.1
1961	-2.7	-0.5	5.1	9.6	14.1	17.5	23.4	23.8	20.3	15.6	8.9	1.2	11.4
1962	-2.1	0.9	3.0	8.4	14.1	16.6	21.1	22.3	18.3	12.9	6.8	2.8	10.4
1963	-6.2	-1.9	3.9	8.7	12.8	15.9	21.7	23.4	18.5	12.7	7.8	2.4	10.0
1964	2.2	-1.2	4.3	9.5	14.9	17.5	22.1	24.8	19.5	14.0	7.2	1.9	11.4
1965	-1.5	-0.1	2.1	7.8	13.8	17.3	20.9	22.8	17.7	13.7	8.3	0.2	10.3
1966	-1.9	1.3	5.0	9.2	14.1	17.3	21.6	24.8	18.5	14.2	6.5	-0.3	10.9
1967	-2.5	-0.7	4.9	9.5	15.1	18.2	22.2	24.9	19.1	13.9	7.6	-2.2	10.8
1968	-2.1	-3.5	3.7	9.8	13.3	16.8	21.5	22.4	18.8	12.8	8.3	5.0	10.6
1969	-0.5	-0.3	2.5	8.5	14.1	17.4	21.3	23.4	19.4	13.0	6.1	-0.4	10.4
1970	-2.6	1.5	0.9	8.9	14.6	17.1	21.2	23.8	20.4	14.2	6.2	1.0	10.6
1971	-0.9	0.0	3.0	9.3	14.3	18.1	22.7	22.3	18.7	12.9	8.9	1.3	10.9
1972	3.1	1.5	5.2	9.6	13.3	17.5	21.7	21.7	17.8	13.4	6.7	2.0	11.1
1973	2.0	1.9	4.2	10.7	14.3	17.4	23.5	24.4	18.6	12.9	5.8	-1.7	11.2
1974	-0.5	-0.5	3.3	9.1	14.0	16.9	19.6	22.6	18.8	13.1	6.6	1.6	10.4
1975	-0.7	-0.2	4.3	10.0	13.7	17.8	22.3	24.0	21.7	15.1	9.5	1.3	11.6
1976	-2.6	2.8	4,1	9.1	13.1	17.4	20.3	22.6	17.6	13.1	4.4	1.6	10.3
Ave.	-1.4	0.6	3.8	9.3	13.9	17.3	21.6	23.1	19.0	13.5	7.4	1.2	10.8

Table B 4 Continued (5)

Gwangj	u (1952	-1976)	_									Un	it: °C
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annua1
1952	-3.5	-3.8	0.1	6.5	12.8	17.2	23.0	22.4	16.9	7.8	5.4	-2.8	8.5
1953	-4.8	-3.2	0.9	4.1	12.2	18.0	23.6	23.8	16.8	10.3	2.3	0.2	8.7
1954	-1.8	-1.0	-0.5	7.5	12.1	16.6	20.5	24.1	17.4	8.1	4.4	-1.8	8.8
1955	-6.2	-2.5	1.8	7.3	11.0	18.2	23.0	23.1	17.6	8.0	2.1	-1.3	8.5
1956	-4.3	-4.5	2.3	6.0	10.8	17.6	23.2	21.7	17.1	8.3	0.7	-4.1	7.9
1957	-2.8	~3.9	-2.1	6.0	12.7	16.6	22.2	21.4	13.3	7.7	3.5	-0.8	7.8
1958	-5.7	-2.5	0.4	7.5	11.5	17.6	23.3	21.5	17.2	9.3	3.5	0.5	8.7
1959	-6.2	1.7	3.3	5.9	12.5	17.2	23.0	23.7	18.7	9.5	3.5	0.1	9.4
1960	-3.3	-1.6	3.5	5.7	12.4	17.6	22.1	22.7	17.4	10.4	4.7	-1.6	9.2
1961	-5.2	-3.1	2.1	6.7	12.7	18.6	24.4	24.2	18.8	12.1	5.6	-0.9	9.7
1962	-3.4	-1.8	-0.2	5.4	11.4	16.8	22.5	22.5	17.5	8.9	4.7	-0.5	8.7
1963	-8.0	-5.6	0.9	9.1	13.9	18.0	22.7	-22.4	16.2	8.6	4.1	-0.3	8.5
1964	-1.6	-3.2	1.1	12.2	13.4	17.7	23.6	23.4	18.4	10.5	3.4	-1.2	9.8
1965	-4.6	-2.8	-1.1	5.7	12.7	16.5	22.2	22.9	15.3	9.5	5.1	-2.3	8.3
1966	-4.5	-2.5	2.9	7.6	12.6	17.1	22.4	24.2	17.3	11.4	3.4	-2.9	9.1
1967	-5.0	-3.3	1.2	8.0	14.0	18.0	22.8	24.6	17.2	9.8	4.1	-4.5	8.9
1968	-3.6	-5.6	0.8	7.1	12.8	12.6	22.0	22.0	16.6	9.6	4.7	2.0	8.7
1969	-3.2	-1.8	-0.3	7.6	12.1	15.3	21.5	22.5	18.6	8.3	3.3	-2.8	8.4
1970	<b>~5.6</b>	-1.8	-1.9	6.9	13.0	17.2	21.2	23,9	19.2	11.5	2.6	-1.8	8.7
1971	-4.0	-2.3	0.1	6.5	12.1	17.9	23.0	22.4	17.1	8.1	4.3	-1.9	8.6
1972	0.1	-1.4	1.8	7.5	11.8	17.3	22.1	21.1	16.3	9.4	4.3	-1.5	9.1
1973	-1.1	-1.1	0.7	8.0	12.5	17.4	23.1	23.4	16.3	9,5	2.1	-4.1	8.9
1974	÷4.6	-3.5	0.2	6.7	11.9	14.6	21.1	22.1	15.8	9.3	2.6	-1.0	7.9
1975	-3.1	-2.7	0.3	8.3	12.3	17.3	22.9	23.4	20.2	12.0	5.8	-2.3	9.5
1976	-5.1	0.3	1.6	6.9	11.3	17.3	20.0	22.7	15.4	10.1	1.7	-1.7	8.4
Ave.	-4.0	-2.5	0.8	7.1	12.3	17.0	22.5	22.9	17.1	9.5	3.7	-1.6	8.7

Table B 4 Continued (6)

Jeonju	(1952-	1976)										Un:	it: °C
Year	Jan.	Feb.	Mar.	Apr.	Мау	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	-3.9	-5.1	-0.3	6.7	12.6	16.8	22.7	21.5	16.4	7.5	5.0	-3.1	8.1
1953	-6.3	-4.7	0.8	4.4	12.6	17.5	23.3	23.1	16.2	10.4	1.8	-0.7	8.2
1954	-2.8	-1.8	-0.9	6.7	11.8	16.3	20.2	23.3	16.9	8.0	4.9	-3.4	8.3
1955	-7.4	-2.8	1.2	7.7	11.0	17.6	22.7	22.8	16.8	7.7	2.2	-1.7	8.2
1956	-6.1	-5.6	1.4	5.9	10.3	17.4	22.6	20.9	16.6	7.6	-0.1	~5.5	. 7.1
1957	-3.8	-5.0	-2.6	5.5	11.7	15.9	21.5	21.1	12.7	7.6	3.7	-2.0	7.2
1958	-6.8	-3.1	-0.2	6.9	10.7	16.8	23.1	21.2	16.1	8.7	3.0	0.5	8.1
1959	-6.4	1.0	2.8	6.0	12.4	16.7	22.4	22.9	17.8	9.1	1.6	-1.2	8.8
1960	-4.8	-2.1	2.7	5.4	11.7	17,4	23.4	22.8	17.2	9.6	3.2	-2.7	8.7
1961	-6.1	-4.2	1.3	6.6	12.4	18.2	24.3	24.5	18.5	11.3	5.0	-2.1	9.1
1962	-4.8	-2.6	-0.3	5.0	11.3	16.9	22.7	22.9	17.1	8.1	3.8	-1.4	8.2
1963	-9.0	-5.7	0.7	8.6	13.7	17.7	23.0	22.4	16.4	7.9	3.2	-0.9	8.2
1964	-2.5	-4.3	0.5	12.0	13.1	17.8	23.9	23.8	18.0	9.8	2.6	-2.1	9.4
1965	-5.7	-3.7	-1.5	5.4	13.1	16.8	22.4	23.0	15.4	9.9	4.6	2.8	8.1
1966	-5.7	-2.8	2.8	7.4	12.7	17.3	22.4	23.8	16.8	11.3	3.0	-3.7	8.8
1967	-6.0	-4.0	1.1	7.7	13.5	18.3	23.1	24.9	17.2	9.0	3.3	-4.8	8.6
1968.	-4.3	-6.4	0.4	6.9	12.9	16.7	22.6	22.0	16.5	9.0	4.5	2.0	8.6
1969	-4.2	-2.8	-0.8	7.5	12.2	15.3	21.6	23.1	18.2	7.8	2.3	-3.6	8.1
1970	-7.2	-3.3	~2.7	6.6	12.7	16.8	21.1	22.8	17.8	9.2	1.0	-3.1	7.6
1971	-5.0	-3.3	-0.9	5.9	11.9	17.5	22.9	21.6	15.9	6.1	2.5	-4.1	7.6
1972	-2.1	-2.2	1.2	7.9	11.5	17.0	22.1	20.8	15.9	9.1	3.6	-2.1	8.6
1973	-2.1	-2.0	-0.4	7.8	12.0	17.6	23.5	23.6	16.4	8.8	1.4	-5.4	8.4
1974	-6.0	-4.5	-0.2	7.0	12.1	15.2	21.3	21.9	15.8	8.7	2.2	-2.2	7.6
1975	-4.2	-4.0	0.3	8.2	12.2	17.4	22.7	23.7	19.6	11.5	5.2	-3.8	9.1
1976	-6.8	-0.2	1.0	6.7	11.2	17.1	20.3	22.8	15.0	9.3	0.5	-2.7	7.9
Ave.	-5.2	-3.5	0.3	6.9	12.1	17.0	22.5	22.7	16.7	8.9	3.0	2.3	8.8

Table B 5 MONTHLY MEAN RELATIVE HUMIDITY

Seou1	(1954-1	976)											Unit: 2
Year	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annua
1952		<u>-</u>					_		_			·	
1953	. — .			, —						_		-	
1954	72	74	65	60	67	75	86	87	79	70	74	64	73
1955	67	63	64	67	69	74	87	71	71	70	71	67	70
1956	64	60	74	68.	69	80	86	73	75	66	57	58	69
1957	71	67	65	68	66	72	. 87	82	65	70	68	70	71
1958	70	71	62	64	60	63	81.	78	76	69	71	72	70
1959	62	69	68	67	63	74	83	75	75	67	69	67	70
1960	63	64	65	59	64	74	83	73	74	66	65	62	68
1961	65	62.	64	63	69	79	86	82	76	67	66	67	71
1962	59	65	64	67	58	71	74	83	78	69	68	73	61
1963	66	71	64	71	72	77	85	78	66	67	64	67	71
1964	67	66	65	74	66	73	84	79	79	65	65	64	71
1965	66	59	59	57	65	67	82	84	69	69	69	64	68
1966	57	67	69	61	58	77	87	80	73	71	63	61	69
1967	62	65	67	67	64	74	80	83	. 69	64	65	65	69
1968	65	63	65	53	67	71	81	75	71	71	76	72	69
1969	68	69	62	69	67	71	79	83	78	65	68	66	70
1970	65	64	59	52	63	74	86	81	80	74	72	67	70
1971	72	64	65	57	70	82	88	80	73	66	72	65	71
1972	· 75	69	74	66	65	72	78	83	78	77	76	68	. 73
1973	74	64	61	71	64	76	85	89	76	67	67	65	72
1974	64	<b>65</b> ,	69	66	68	73	82	80 .	74	72	64	64	70
1975	62	56	70	63	66	75	83	73	74	67	62	58	67
1976	57	65	60	56	57	67	74	82	70	68	67	68	66
Ave.	. 66	65	65	64	65	74 .	83	79	74	69	. 68	66	70

Table B 5 Continued (2)

Chupun	gryeong	(1953	3-1976)								:		Unit: %
Year	Jan.	Feb.	Mar.	Apr.	• Мау	Jme	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952		_	· <del>_</del>					<u> </u>	_	_			_
1953	53	57	59	48	64	79	32	80 -	72	69	61	64	66
1954	62	64	54	62	67	77	82	79	79	74	70	60	69
1955	63	63	68	66	67	71	82	79	80	75	71	65	71
1956	66	65	76	65	67	80	83	79	82	70	64	65	72
1957	67	66	62	63	61	73	85	82	69	66	70	71	70
1958	67	67	<b>57</b> .	60	58	60	79	81	78	72	71	72	69
1959	63	74	67	66	60	70	80	.79	81	67	66	66	70
1960	64	58	60	56	18	71	81	73	80	74	67	63	64 .
1961	59	58	61	57	67	. 77	82	82	81	73	71	66	70
1962	62	61	56	60	49	66	76	79	81	69	70	67	66
1963	67	61	58	·73	70	79	83	78	69	68	65	68	70
1964	68	66	62	79	66	72	79	77	80	71	68	63	71
1965	65	61	54	54	64	64	85	82	71	67	74	67	67
1966	59	66	69	65	62	73	82	85	81	77	65	63	71
1967	63	63	61	66	57	70	81	80	80	68	70	67	69
1968	63	64	57	52	67	69	80	82	76	77	78.	73	70
1969	72	71	64	69	65	68	. 84	86	86	71	69	67	73
1970	62	61	54	57	66	79	86	85	86	75	68	66	70
1971	72	73	66	57	65	78	84	86	81	74	74	66	73
1972	77	74	74	69	71	72	82	84	81	74	77	73 -	76
1973	77	63	57	63	67	77	79	81	79	76	70	70	72
1974.	66	66	65	63	66	70	88	80	. 74	72 .	67	70	71.
1975	65	61	64	62	71	56	81	80	82	76	73	61	69
1976	61	70	63	62	62	72	79	84	76	70	68	73	70
Ave.	65	65	62	62	62	72	.82	81	79	72	69	67	70

Table B 5 Continued (3)

Daegu	(1952-1	976)											Unit: %
Year	Jan.	Feb.	Mar.	Apr.	Мау	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	56	58	63	63	68	61	72	7,2	69	68	74	63	66
1953	57	61	61	52	65	79	80	73	73	69	64	67	67
1954	69	65	55	67	. 72	7 <b>7</b>	81	75	77	75	71	54	70
1955	51	62	69	72	67	74	78	72	75	69	66	61	68
1956	56	50	67	64	65	77	81	75	81	69	59	56	67
1957	62	58	56	59	59	69	83	79	68	61	66	65	65
1958	58	63	53	61	58	61	76	80	77	71	69	71	67
1959	55	69	62	63	59	66	73	75	78	65	64	64	66
1960	61	57	62	58	67	63	75	68	78	71	66	59	65
1961	56	56	62	59	67	73	80	82	76	72	69	64	68
1962	58	57	53	60	53	68	77	74	78	70	67	63	65
1963	52	52	56	74	71	81	80	<del>79</del>	70	69	63	63	68
1964	67	65	62	79	67	69	73	69	79	70	64	59	69
1965	59	61	53	53	61	63	83	76	67	66	69	61	64
1966	52	62	69	69	65	75	81	80	78	75	63	59	69
1967	57	· 58	63	68	64	73	75	74	78	71	78	68	69
1968	65	64	63	59	68	66	77	81	78	78	77	71	71
1969	71	70	62	67	65	65	77	78	81	69	63	66	70
1970	57	57	50	. 64	67	76	81	81	81	72	63	62	68
1971	70	73	64	58	62	73	79	79	73	63	65	56	68
1972	70	63	66	65	64	63	77	78	76	70	72	65	69
1973	70	56	50	58	58	65	64	65	68	72	62	62	. 63
1974	63	62	61	57	61	62	80	70	67	67	64	65	65
1975	59	56	60	61	67	73	75	72	74	71	68	57	66
1976	54	67	58	61	58	66	68	71	69	64	60	65	63
Ave.	59	61	60	63	64	. 70	77	75	75	69	67	63	70

Table B 5 Continued (4)

Busan	(1952-1	970)											Unit:
lear .	Jan.	Feb.	Mar.	Apr.	Мау	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annua
1952	48	50	58	67	69	77	82	79	78	64	65	52	66
1953	45	52	57	55	. 74	88	89	80	73	62	53	55	65
1954	61	59	57	75	78	86	89	81	74	64	60	47	69
1955	44	54	67	72	. 76	80	88	78	75	61	. 61	52	67
L956	53	48	74	73	73	88	89	82	78	62	51	49	68
L957	58	53	54	66	· 73	86	92	85	73	66	65	63	70
L958	52	59	59	69	67	74	87	80	74	64	61	60	67
L959	49	66	62	.66	70	77	86	81	77	61	59	-53	67
L960	49	52	63	63	72	78	85	73	· 77	65	61	52	66
.961	47	48	63	66	72	77	86	85	75	69	-63	54	67
L962	46	52	52	64	61	76	87	82	77	64	59	55	65
963	45	46	65	76	83	. 86	87	81	70	64	56	53	68
L964	57	57	59	85	74	80	85	76	78	64	53	48	68
1965	47	51	46	59	71	77	91	83	67	66	66	54	65
1966	50	61	68	70	67	78	83	78	69	67	57	50	67
L967	48	53	63	71	71	77	83	79	72	59	62	51	66
L968	47	46	56	57	- 74	76	82	81.	74	64	61	55	64
1969	58	58	53	67	64	74	86	83	79	60	52	50	65
L970	50	45	38	67	. 70	85	90	85.	82	69	55	52	66
971	54	60	55	62	69	- 80	86	81	73	61	59	51	66
1972	66	65	69	74	71	80	84	83	: 73	66	67	58	71
1973	63	56	56	67	72	80	82	80	76	69	55	49	67
1974	51	54	59	69	71.	77	93	81	68	62	. 55	56	66
1975	54	54	60	69	75	82	86	77	79	68	63	53	68
L976	49	65	60	66	70	79	83	83	73	62	57	57 <sub>.</sub>	67
Ave.	52	55	 - 59	68	71	80	86	81	75	64	59	53	70

Table B 5 Continued (5)

Gwangj	ı (1952	~1976)	_										Unit: 2
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	69	66	72	70	73	71	78	79	84	78	77	75	74
1953	65	69	69	64	72	82	82	77	76 .	73	71	73	73
1954	73	72	63	69	72	77	82	77	76	77	75	67	73
1955	69	72	72	72	69	.74	80	78	74	72	74	69	73
1956	71	66	80	71	76	81	82	77	78	76	70	68	75
1957	72	68	64	74	71	78	91	82	70	73	74	75	74
1958	76	69	67	71	70	71	82	80	76	74	74	74	74
1959	76	77	69	72	71	72	80	73	81	69	70	72	74
1960	72	67	68	68	72	73	81	75	81	71	71.	72	73 .
1961	71	67	71	70	75	77	81	82	80	74	78	72	75
1962	73	71	64	6.7	59	73	80	81	80	70	70	72	78
1963	81	73	68	- 79	78	82	83	79	75	75	75	72	77
1964	70	70	68	81	69	78	86	76	79	72	75	66	74
1965	74	68	62	62	68	69	89	81	71	73	72	72	72
1966	67	70	72	68	66	74	80	78	74	72	65	64	70
1967	67	65	64	69	65	69	81	78	72	64	72	75	70
1968	71	67	63	60	72	70	77	84	77	77	77	75	73
1969	77	71	66	74	73	74	82	81	82	71	70	76	75
1970	67	66	50	60	: 66	79	82	77	84	77	73	72	71
1971	76	73	65	63	71	80	84	81	77	71	74	69	73
1972	75	72	75	72	71	71	78	78	75	74	80	79	75
1973	78	73	66	69	74	74	, 79	. 81	80	75	73	80	75
1974	73	72	71	70	69	72	86	77	76	- 75	73	74	7.4
1975	7,7	72	71	72	75	80	84	79	82	78	76	74	77
1976	76	79	69	69	71	75	17	81	75	72	74	73	74
Ave.	73	70	68	69	71	75	82	79	77	73	73	72	74

Table B 5 Continued (6)

	(1000	10761											Unit: %
<u>Jeonju</u>	(1952-	19/6)											onit: %
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	70	72	75	71	69	66	75	80	86	78	78	75	75
1953	68	72	72	62	68	82	83	77	77	72	72	76	73
1954	75	73	66	70	73	76	82	82	82	75	73	71	75
1955	70	71	75	73	75	81	83	86	73	80	83	72	77
1956	73	69	80	74	79	82	82	80	80	80	68	68	76
1957	75	69	70	73	75	82	89	85	73	74	78	80	77
1958	75	75 -	68	74	75	71	84	84	81	75	79	77	76
1959	72	80	76	79	75	79	83	80	87	75	78	77	79
1960	72	73	71	72	74	79	82	78	84	- 77	81	75	77
1961	72	74	74	70	76	79	83	85	84	79	80	75	78
1962	75	74	70	72	64	74	79	84	-88	76	74	77	76
1963	78	77	74	80	79	83	82	83	76	78	77	81	79
1964	78	78	74	80	79	81.	80	76	80	74	77	74	78
1965	75	74	70	66	70	69	81	77	68	. 70	70	62	71
1966	61	62	70	74	71	76	81	83	81	78	72	72	73
1967	69	72	70	71	57	64	69	: <b>71</b> ·	68	66	71	70	68
1968	69	69	67	58	67	68	74	79	74	76	: 75	72	71
1969	73	- 66	66	77	76	74	81	81	81	73	72	75	. 75
1970	75	75	68	- 69	72	80	84	82	85	79	76	76	77
1971	80	77	71	69	70	80	83	80	75	72	76	72	75
1972	78	76	79	73	74	75	80	82	79	75	80	77	7.7
1973	79	73	67	67	71	· · 73 ÷	75	75	76	76	73	77	74
1974	73	70	7,1	66	68	70	82	. 73	.74	75	73	73	72
1975	72	70	71	69	74	79	83	77	81	78	76	76	76
1976	74	78	71	65	67	74	78	- 80	75	72	73	76	74
Ave.	73	73	71	71	69	76	81.	80	79	75	75	74	75

Table B 6 MONTHLY PRECIPITATION

Seoul	(1954~1	976)										Ur	it: mm
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952			-		-			<del>-</del> :	-	<del></del> .	· -		_
1953	_	_		-	<b>–</b> .:		· _		-				
1954	14.0	111.3	4.9	54.3	66.7	229.9	587.5	209.1	53.2	45.1	16.8	43.3	1,436.1
1955	12.4	9.5	15.7	55.0	80.7	316.4	397.5	60.1	188.0	26.7	56.2	12.7	1,230.9
1956	6.3	26.6	139.3	65.9	72.4	417.2	524.1	47.2	345.9	29.7	16.1	10.3	1,701.0
1957	43.1	14.7	16.7	106.0	60.6	32.7	474.8	286.5	4.5	83.5	20.4	76.8	1,220.3
1958	54.7	7.7	25.6	142.1	23.9	39.3	383.9	193.8	242.9	120.2	49.7	41.2	1,325.0
1959	3.9	58.0	163.7	114.6	91.2	71.0	323.1	282.7	143.6	57.7	27.9	34.1	1,371.5
1960	4.6	4.0	113.6	19.0	135.4	296.9	313.2	138.1	63.5	7.9	76.5	15.7	1,188.4
1961	18.0	8.7	40.9	102.2	123.7	77.9	267.9	360.7	295.2	48.6	57.9	35.7	1,437.4
1962	1.2	25.7	18.5	91.6	12.5	110.3	180.0	193.2	236.4	36.8	52.2	27.8	986.2
1963	13.3	2.6	57.3	221.1	186.7	383.7	513.6	126.5	50.1	32.1	26.8	12.8	1,626.6
1964	20.3	27.1		338.5	83.6	107.7	509.2	216.5	382.7	40.4	25.4	5.2	1,793.9
1965	19.1	2.4	16.3	10.4	11.6	23.8	631.6	319.4	27.0	63.7	85.0	5.5	1,215.8
1966	9.7	29.4	90.5	35.7	37.1	179.8	897.7	272.8	302.8	74.9	81.6	6.8	2,018.8
1967	24.8	54.6	88.2	93.1	59.8	135.3	283.8	261.8	158.1	26.5	53.3	9.6	1,248.9
1968	11.3	12.5	56.7	45.2	53.4	41.1	412.4	362.8	126.3	101.8	54.2	11.1	1,288.2
1969	62.2	59.2	13.7	219.3	255.2	31.8	345.9	455.1	230.0	18.4	28.4	17.6	1,736.8
1970	. 5.9	49.2	12.7	7.5	84.0	249.8	425.6	192.0	465.1	153.1	42.2	21.1	1,708.2
1071	19.3	26.0	42.2	52.7	121.3	135.8	530.6	223.2	159.8	12.8	19.5	16.5	1,359.7
1971 1972	62.3		76.8	23.4	85.3	28.0		881.8	133.6	82.6	125.4	6.7	1,769.6
	56.9			133.0	82.5	107.8	191.4	186.2	90.4	26.4	24.7	11.4	928.1
1973	15.1			144.8	239.8	64.3	256.9	319.0	90.6	41.9	10.6	16.2	1,250.7
1974 1975	17.4			103.0	83.7	50.5	381.0	99.7	181.3	21.0	36.3	22.9	1,067.4
1976	4.0	108.3	6.8	55.9	43.2	50.0	176.7	462.3	78.7	60.7	30.7	32.2	1,109.5
Ave.	21.7	30.6	49.7	97.1	91.1	138.3	401.7	267.4	176.1	52.7	44.3	21.4	1,392.0

Table B 6 Continued (2)

Chupun	gryeong	(1953-	1976)									U	alt: wm
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	<del>_</del>	_		·	<u> </u>				unus	<u></u>		. —	
1953	20.6	23.4	57.8	24.3	99.3	321.7	355.5	298.7	29.8	83.6	36.8	41.4	1,392.9
1954	29.1	58.4	50.7	54.1	100.6	156.4	383.3	116.5	152.1	102.6	22.4	38.8	1,265.0
1955	9.9	33.0	24.7	66.6	34.6	120.7	333.4	256.9	99.0	28.5	46.3	15.7	1,069.3
1956	9.4	16.4	167.6	167.7	126.3	265.5	220.3	187.2	198.8	19.1	12.4	18.1	1,408.8
1957	51.3	25.1	32.2	133.6	80.0	146.1	503.6	249.3	1.1	40.4	45.3	52.5	1,360.5
1958	76.8	19.8	17.9	110.8	28.2	70.8	429.7	298.8	251.1	105.8	63.8	52.7	1,526.2
1959	18.4	85.6	102.5	82.2	75.2	120.4	287.0	273.9	214.0	22.3	37.2	34.0	1,352.7
1960	13.5	4.5	40.0	37.5	141.7	161.9	206.6	47.6	139.6	25.8	52.2	11.6	882.5
1961	20.0	26.6	107.6	66.3	76.3	121.4	348.5	302.8	130.4	130.2	67.1	37.9	1,435.1
1962	6.9	15.5	42.6	80.9	13.7	72.4	175.1	255.7	217.9	40.0	51.9	21.0	993.6
1963	13.8	0.9	28.5	104.3	193.1	239.7	250.1	185.3	13.9	20.5	22.7	27.1	1,099.9
1964	26.9	66.5	62.5	235.2	81.4	99.5	287.6	118:7	310.8	28.8	35.5	10.7	1,364.1
1965	25.2	20.5	36.0	60.8	73.9	30.9	540.6	92.0	3.8	16.8	118.5	7.2	1,026.2
1966	2.7	54.4	152.1	41.7	91.5	114.1	298.1	133.9	89.2	108.4	44.9	7.6	1,139.2
1967	27.9	11.0	65.4	77.8	12.3	146.2	167.8	149.3	131.8	24.6	87.2	6.6	902.9
1968	5.7	12.3	46.9	40.9	49.2	52.6	224.2	184.3	48.3	100.8	48.0	8.2	821.5
1969	69.3	48.7	22.9	177.1	95.8	75.3	249.6	244.0	296.9	1.2	46.9	23.6	1,351.3
1970	1.2	77.8	13.6	99.8	100.6	141.3	260.7	239.6	255.2	60.8	25.9	18.0	1,294.5
1971	34.5	43.8	60.7	31.2	80.2	226.4	297.7	208.6	118.4	15.9	11.2	18.1	1,146.7
1972	73.6	41.0	169.5	90.0	164.5	105.7	141.0	275.7	107.9	39.9	128.1	18.2	1,385.1
1973	86.3	23.9	8.4	117.0	118.0	83.8	91.2	124.4	123.5	66.6	37.5	15.4	896.0
1974	27.5	34.8	53.4	146.4	141.0	58.7	439.4	95.7	39.0	66.9	23.6	35.4	1,161.8
1975	24.1	15.2	86.6	137.3	124.5	87.8	468.4	120.5	151.8	50.2	69.8	29.6	1,365.8
1976	10.4	105.4	37.7	65.7	36.5	112.2	80.6	339.3	35.1	41.7	34.9	45.2	944.7
Ave.	28.5	36.0	62.0	93.7	89.1	130.5	293.4	199.9	131.6	51.7	48.8	26.0	1,193.0

Table B 6 Continued (3)

Daegu	(1952-1	976)										U	nit: mm
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annua1
1952	1.2	27.3	61.8	66.4	33.9	24.9	107.2	188.1	198.3	35.5	86.2	17.6	848.4
1953	35.8	43.8	23.5	19.6	73.3	168.8	244.7	108.4	59.3	56.9	39.5	49.0	922.6
1954	18.6	71.8	21.7	68.7	69.2	137.8	251.9	78.8	144.4	65.0	8.0	21.0	956.9
1955	6.8	42.7	19.6	40.4	16.2	108.7	233.4	224.5	48.9	8.9	35.7	10.2	795.1
1956	4.8	3,8	111.4	134.9	126.6	210.2	221.5	193.0	179.1	10.8	14.4	0.7	1,211.2
1957	34.9	15.1	19.6	89.2	55.8	99.0	277.3	243.1	5.0	24.4	47.0	63.3	973.7
1958	30.9	23.6	18.0	126.5	15.0	104.1	328.2	247.3	209.4	96.8	40.2	36.1	1,276.1
1959	17.6	81.2	54.1	99.4	54.9	99.9	164.2	316.1	216.1	12.7	33.7	42.4	1,192.3
1960	9.3	6.0	48.4	34.9	130.8	89.9	144.3	32.2	318.1	35.3	29.4	7.4	886.0
1961	9.5	17.7	99.4	50.6	97.9	87.6	417.5	302.1	125.8	136.1	70.6	42.9	1,457.7
1962	8.1	6.8	16.4	50.8	22.5	83.7	154.3	253.9	205.9	28.8	37.3	5.8	874.3
1963	2.9	1.3	21.3	85.1	110.4	373.1	248.9	135.3	6.9	23.9	4.0	18.7	1,031.8
1964	28.6	51.5	62.9	165.7	69.9	50.3	257.1	11.8	174.1	18.4	13.6	0.2	904.1
1965	27.0	14.1	28.9	43.2	64.5	27.0	532.9	145.0	3.1	13.6	95,8	14.3	1,009.4
1966	2.4	56.1	152.2	39.0	119.0	75.5	165.8	140.6	63.2	84.4	28.4	4.1	930.1
1967	30.1	22.6	57.7	99.3	33,9	186.8	105.8	119.7	146.8	41.4	68.0	2.3	914.4
1968	2.9	6.0	51.2	36.7	32.1	42.2	191.2	288.2	50.3	74.4	21.7	5.6	802.5
1969	49.2	34.1	8.2	109.4	105.5	56.2	238.1	286.9	306.5		18.0	19.1	1,231.2
1970	1.2	47.0	14.8	58.2	135.8	128.0	488.9	192.9	168.4	58.4	17.1	8.7	1,319.4
1971	23.4	24.9	36.9	44.0	50.6	152.0	192.2	117.7	65.6	6.1	7.3	1.8	722.5
1972	47.4	19.7	135.8	45.1	150.1	74.7	265.6	251.8	88.3	22.3	81.8	22.6	1,205.2
1973	65.8	16.7	6.6	135.1	98.2	51.5	119.5	120.6	135.3	99.3	13.3	2.5	864.4
1974	11.1	17.2	29.6	130.7	137.1	123.0	390.3	218.9	15.0	92.5	9.6	39.6	1,214.6
1975	17.1	13.7	49.4	99.2	75.8	117.6	302.8	75.0	119.2	62.9	81.4	29.5	1,043.6
1976	0.7	79.1	56.3	96.2	36.6	93.4	44.4	217.0	24.8	43.0	21.3	20.7	733.5
Äve.	19.5	29.8	48.2	78.7	76.6	110.6	243.5	180.4	123.1	46.0	36.9	19.4	1,014.0

Table B 6 Continued (4)

Busan	(1952-1	976)										Un	it: mm
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept_	Oct.	Nov.	Dec.	Annual
1952	16.0	32.8	102.5	108.7	105.3	152.4	79.3	98.9	301.7	111.9	62.7	112.1	1,284.3
1953	18.1	71.9	87.2	44.3	202.0	421.4	192.8	116.9	125.3	85.8	36.5	39.0	1,441.2
1954	21.7	159.1	24.1	162.8	209.6	352.8	378.2	108.9	219.7	44.0	22.1	52.3	1,755.3
1955		124.8	67.5	55.9		80.7	185.5	285.8	179.8	9.7	53.3	6.4	1,130.3
1956	9.8	28.9	210.6	165.7	191.8	331.3	266.3	345.3	404.6	38.4	29.5	1.6	2,023.8
1957	68.8	46.4	22.3	189.8	77.3	285.8	463.9	178.6	4.1	39.3	44.4	100.8	1,521.5
1958	18.2	27.2	83.6	237.4	48.4	102.3	240.4	252.7	165.5	148.9	50.8	38.4	1,413.8
1959		.129.9	87.2	179.6	166.1	86.1	170.7	86.8	242.2	0.1	71.0	65.1	1,306.1
1960	3.5	34.6	115.9	103.7	213.0	61.5	124.8	45.6	383.9	46.5	56.9	8.7	1,198.6
1961	22.7	21.0	153.8	134.1	179.7	126.5	344.6	320.8	159.2	145.7	186.0	23.5	1,817.6
1962	6.8	16.3	23.3	150.3	45.2	137.4	271.1	292.5	176.7	54.1	48.2	17.5	1,239.4
1963	3.4	3.7	39.4	199.1	242.1	937.5	363.0	171.8	78.1	65.3	20.1	19.3	2,142.8
1964	33.3	94.0	54.0	310.5	150.2	174.6	67.1	28.3	236.6	14.2	12.5	0.1	1,175.6
1965	24.4		40.2	113.5	99.9	50.2	472.6	359.4	61.9	43.1	168.4	39.0	1,498.4
1966	18.1	65.2	172.4	105.2	125.0	122.5	129.9	108.0	69.0	42.4	93.0	9.9	1,060.6
1967	30.1	40.5	92.9	143.8	58.0	185.8	210.0	52.4	110.5	28.4	80.9	6.0	1,039.3
1968	7.7	14.4	79.0	51.3	135.3	18.3	221.1	347.6	94.7	104.5	47.2	40.6	1,161.7
1969	46.8	60.7	28.0	204.6	112.5	131.1	248.4	437.1	416.0	12.0	54.9	48.3	1,800.4
1970	7.6	47.4	21.2	136.1	230.5	327.1	572.2	300.9	387.7	58.2	22.1	27.1	2,138.1
1971	31.8	48.2	75.0	59.9	100.9	296.4	149.3	238.5	55.3	20.2	3.3	8.5	1,087.3
1972	91.6	44.4	219.5	130.5	207.2	158.7	361.2	388.0	354.3	47.2	156.2	36.7	2,195.5
1973	84.7	43.7	13.1	126.9	329.3	72.2	53.3	17.2	239.2	119.5	41.1	2.9	1,143.1
1974			90.9	234.5	371.3	231.5	442.4	75.4	16.6	108.2	14.2	28.1	1,697.9
1975	31.2	_	93.3	243.9	180.5	135.4	253.8	79.1	270.8	57.2	130.2	42.9	1,536.2
1976	0.7	103.1	68.5	219.5	94.6	100.8	95.0	175.0	58.7	68.8	31.9	35.3	1,051.9
Ave.	26.6	53.7	82.6	152.5	158.1	203.2	254.3	196.5	192.5	60.5	61.5	32.4	1,477.0

Table B 6 Continued (5)

Gwang	ju (1952	-1976)										U	nit: mm
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	19.1	30.1	55.0	194.1	98.3	85.7	56.1	363.2	517.3	75.1	50.4	17.3	1,561.7
1953	12.8	41.7	73.3	21.5	122.7	348.0	234.5	81.3	69.5	49.9	27.4	75.2	1,157.8
1954	19.5	107.8	32.8	50.1	169.3	155.7	354.0	260.3	137.7	58.5	3.7	32.1	1,381.5
1955	18.3	51.1	30.0	27.5	14.4	50.0	420.8	217.4	98.1	12.5	33.5	11.5	985.1
1956	13.4	8.8	224.2	157.4	168.0	302.1	131.0	117.0	344.8	23.3	19.3	4.9	1,514.2
1957	50.6	19.4	7.5	152.5	70.7	128.8	352.5	259.2	0.4	34.3	82.2	63.5	1,221.6
1958	57.4	17.2	31.9	218.5	41.3	192.3	170.2	331.2	269.4	108.9	43.2	32.8	1,514.3
1959	55.9	98.4	77.7	121.1	95.7	47.5	164.6	149.7	214.3	0.6	66.3	62.1	1,153.9
1960	27.4	9.7	66.8	45.3	147.6	126.6	219.2	181.8	239.3	18.1	46.2	27.9	1,155.9
1961	34.7	20.8	166.7	100.0	123.9	113.8	291.4	343.9	134.8	101.5	81.9	25.3	1,538.7
1962	18.7	32.4	13.1	101.8	14.5	131.5	385.1	343.7	318.2	36.9	49.7	21.7	1,467.3
1963	39.3	7.9	41.7	146.3	225.5	543.2	284.0	53.4	38.8	34.9	28.4	27.9	1,471.3
1964	29.6	92.7	63.5	188.0	75.0	109.1	181.6	129.1	307.6	27.0	33.3	2.9	1,239.4
1965	66.0	36.9	19.5	83.2	85.2	68.7	531.3	174.8	9.3	32.6	105.9	44.3	1,257.7
1966	14.0	56.8	151.1	80.6	137.6	118.5	134.2	252.2	94.6	37.2	56.1	20.3	1,153.2
1967	24.7	39.6	72.4	88.1	23.7	148.9	134.8	27.8	38.8	21.8	134.5	23.9	779.0
1968	14.2	25.1	70.2	59.7	34.5	52.0	35.7	196.3	97.4	172.7	42.5	34.9	835.2
1969	84.1	61.0	32.9	217.1	160.4	67.8	205.4	334.1	474.0	3.6	28.1	55.1	1,723.6
1970	4.1	62.5	12.8	110.2	91.2	154.3	338.0	123.7	248.7	131.2	25.0	12.1	1,313.8
1971	45.0	48.2	42.9	55.6	74.7	264.7	358.6	170.7	166.9	22.8	29.2	12.4	1,291.7
1972	93.6	33.2	172.5	87.1	176.1	83.0	494.3	310.7	97.0	33.3	175.2	68.6	1,824.6
19.73	48.7	46.0	13.8	153.2	164.3	67.9	231.6	125.8	190.4	87.7	16.7	25.2	1,171.3
1974	21.3	43.9	62.2	184.8	206.2	126.2	506.2	353.7	34.5	125.8	23.9	40.8	1,729.5
1975	17.2	21.9	54.9	173.0	112.6	133.7	362.7	169.7	195.6	113.3	36.6	45.4	1,436.6
1976	22.4	108.5	59.5	126.1	82.9	186.9	99.3	214.7	55.7	56.0	36.1	40.9	1,089.0
Ave.	34.1	44.9	66.0	117.7	108.7	152.3	267.1	211.4	175.7	56.8	51.0	33.2	1,319.0

Table B 6 Continued (6)

Jeonju	ı (1952-	-1976)										U	hit: mm
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	10.7	18.9	70.6	70.8	78.8	54.9	63.9	346.4	254.0	79.2	76.3	20.9	1,145.3
1953	10.3	34.7	84.4	35.0	75.7	265.5	525.5	180.7	30.2	69.7	32.7	53.2	1,397.6
1954	20.5	88.3	67.1	51.5	124.9	103.5	448.3	191.7	111.3	71.4	5.0	42.2	1,325.7
1955	22.3	33.2	39.4	69.7	27.2	101.1	301.1	340.1	104.5	31.3	57.6	16.7	1,144.2
1956	19.1	12.6	185.5	182.3	141.8	214.9	270.5	124.0	243.5	28.1	13.5	9.1	1,444.9
1957	65.6	29.5	21.0	188.3	86.1	94.6	460.5	161.4	2.4	49.7	62.1	77.9	1,299.1
1958	79.9	20.5	1.3.9	145.7	36.0	90.5	447.2	298.3	424.6	103.8	49.0	34.0	1,732.6
1959	22.4	99.6	106.7	116.3	109.1	55.3	171.7	379.7	201.4	10.4	43.5	33.9	1,350.0
1960	9.9	6.5	47.8	40.6	154.9	218.8	281.6	134.8	167.9	23.6	44.2	22.2	1,152.8
1961	33.9	26.8	98.0	77.7	80.4	156.6	265.8	553.1	238.3	126.6	71.1	45.1	1,773.4
1962	19.1	17.0	28.9	67.9	15.6	86.1	237.3	303.8	256.0	36.3	44.5	29.1	1,141.6
1963	30.1	8.2	34.0	125.0	246.5	394.1	355.8	242.5	15.7	22.0	29.0	28.8	1,531.7
1964	26.6	75.7	57.4	359.1	92.6	97.0	389.4	82.9	316.9	41.5	46.5	8.5	1,594.1
1965	50.9	30.6	24.0	62.9	60.2	23.7	570.1	128.3	9.0	31.4	94.7	7.3	1,093.7
1966	3.7	58.3	156.9	45.9	121.5	89.2	223.9	258.1	144.3	118.8	50.0	18.1	1,288.8
1967	30.6	33.4	73.3	75.9	30.4	174.8	154.9	139.0	59.2	41.4	120.3	19.4	952.6
1968	21.8	35.6	83.4	48.2	36.8	57.7	99.3	252.1	76.5	95.1	90.6	19.8	916.9
1969	100.5	61.2	31.5	218.2	188.2	106.4	346.8	291.1	298.2	0.2	40.7	56.9	1,739.9
1970	2.3	66.9	16.5	111.4	83.2	113.6	248.1	228.1	259.5	102.8	38.9	13.8	1,285.1
1971	61.0	50.0	36.4	51.3	81.2	227.8	299.0	219.0	210.0	21.0	25.1	19.1	1,300.9
1972	81.4	29.6	170.4	48.7	149.9	86.9	217.6	279.1	95.5	33.3	138.2	30.0	1,360.6
1973	70.0	22.2	7.2	116.3	91.6	57.2	147.0	183.0	153.7	83.4	31.1	21.3	984.0
1974	26.3	39.2	62.7	137.9	201.4	63.1	419.2	118.5	59.8	125.9	18.6	37.9	1,310.5
1975	7.1	15.3	52.7	145.7	138.4	150.1	406.5	115.4	251.8	61.7	44.1	32.2	1,418.0
1976	17.6	98.8	28.4	83.9	57.7	143.4	94.1	374.6	39.8	44.7	29.4	44.9	1,057.3
Ave.	33.7	41.0	64.0	107.0	100.4	129.1	297.8	237.0	161.0	58.1	51.9	29.7	1,311.0

Table B 7 MONTHLY EVAPORATION

Seoul	(1954-1	976)										U	nit: www
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	· <u>-</u>	_		_		_		_		· _	<u>.</u>	_	
1953	_		<u>-</u>	_	_							_	
1954	40.8	50.4	92.6	128.3	144.4	117.5	103.5	120.8	93.1	80.1	64.1	43.5	1,079.1
1955	42.4	49.6	77.4	113.2	143.2	132.4	110.1	166.0	122.1	85.2	56.0	41.1	1,138.7
1956	41.2	48.6	57.5	97.3	135.2	104.3	105.0	151;4	98.1	89.4	58.3	34.9	1,021.2
1957	28.9	43.0	65.2	103.9	184.4	154.4	93.4	114.9	142.7	84.5	61.9	36.6	1,113.8
1958	29.5	39.2	76.0	110.0	166.7	183.6	135.9	126.8	93.2	83.2	46.6	38.3	1,129.0
195 <del>9</del>	40.2	46.4	79.0	108.2	164.2	127.1	123.2	168.0	101.0	100.2	52.4	39.1	1,149.0
1960	42.0	59.1	87.3	136.2	158.2	128.9	130.2	160.6	110.2	102.6	58.1	42.2	1,215.6
1961	36.7	51.8	87.1	139.6	164.4	138.3	127.5	144.2	121.5	99.6	61.4	41.1	1,213.2
1962	42.3	48.1	73.9	108.0	200.2	162.3	155.4	109.0	94.3	84.4	57.6	35.4	1,170.9
1963	35.3	41.0	91.6	85.6	109.0	110.2	95.3	131.4	127.6	90.0	57.2	40.9	1,015.1
1964	35.1	39.6	76.0	89.0	156.2	143.4	92.8	129.8	81.5	80.6	58.2	42.0	1,024.2
1965	35.0	42.0	79.6	120.0	148.3	190.8	115.7	103.7	128.3	87.2	57.2	42.7	1,150.5
1966	48.1	42.3	66.2	115.9	171.6	131.1	84.8	121.7	97.1	80.5	58.8	40.8	1,058.9
1967	45.2	46.9	73.8	93.3	160.6	125.2	124.9	109.0	107.0	86.7	50.7	35.5	1,058.8
1968	41.0	48.9	76.9	142.8	136.7	168.5	114.6	142.5	120.7	74.8	42.0	35.2	1,144.6
1969	32.2	34.7	78.7	92.1	141.9	166.8	130.1	138.2	97.3	107.1	54.5	34.0	1,107.6
1970	38.5	45.3	77.4	144.2	160.6	114.9	76.2	123.1	96.9	87.7	57.1	37.3	1,059.2
1971	30.8	43.8	75.2	124.5	148.2	122.5	94.9	110.7	113.1	113.4	84.7	51.6	1,113.4
1972	37.3	45.8	85.2	115.5	146.3	172.9	135.9	106.3	103.7	87.6	51.9	40.3	1,128.7
1973	38.4	56.4	94.4	107.3	156.7	135.9	155.6	113.4	97.2	82.1	54.1	37.0	1,129.0
1974	37.2	37.1	68.7	106.3	136.3	160.2	106.6	133.6	121.5	84.1	56.9	38.6	1,087.1
1975	43.4	53.8	74.1	123.3	133.0	139.6	115.6	166.3	114.7	87.1	65.6	46.8	1,163.3
1976	45.1	48.7	83.0	113.9	153.7	141.9	121.4	92.7	111.5	80.5	55.8	42.6	1,090.8
Ave.	37,2	46.2	78.1	113.9	153.0	142.3	115.2	129.7	108,4	88.6	57.4	39.9	1,109.0

Table B 7 Continued (2)

Chupu	ngryeon	(1953	<u>-1976)</u>									ŧ	hit: mm
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	·	<u>-</u>		<del>-</del>	_		·	-	, , <del></del> -	<u>-</u>			<del>-</del> .
1953	66.8	63.5	97.1	196.0	197.7	128.1	139.4	159.0	143.5	129.8	88.7	56,8	1,466.4
1954	53.7	61.2	135.8	164.5	185.2	121.8	106.7	152.0		97.4	75.4	58.8	1.334.9
1955	56.4	60.5	73.1	125.7	174.0	165.7	136.3	156.7	108.2	97.5	65.2		1,227.6
1956	54.2	61.5	63.4	124.5	152.2	112.5	125.0	143.9	81.8	89.9	68.7	58.5	1,136.1
1957	49.2	52.3	90.6	122.6	193.7	135.2	83.6	118.5	138.9	111.8	67.1	52.9	1,216.5
1958	50.6	62.8	111.6	122.4	197.1	216.5	159.9	113.6	106.3	78.9	58.8	49.1	1,327.6
1959	58.5	49.2	95.5	121.2	188.7	160.7	165.3	154.7	92.4	115.3	67.8	55.4	1,324.7
1960	54.9	78.5	102.7	147.9	169.1	165.1	183.2	199.5	104.8	102.5	73.8	57.8	1,439.8
1961	55.5	77.5	110.0	175.5	181.4	151.6	158.5	141.6	111.2	90.3	68.3	56.6	1,377.4
1962	65.7	74.6	118.1	139.2	265.3	191.2	164.8	149.9	92.1	105.7	57.3	58.6	1,482.5
1963	51.2	77.0	124.3	84.2	132.7	106.8	107.1	156.3	141.6	110.4	72.1	53.3	1,217.0
1964	56.7	63.6	108.7	80.7	186.2	183.4	172.8	184.7	112.4	95.6	73.1	64.5	1,382.4
1965	71.6	84.7	134.6	165.0	203.8	231.1	113.0	167.2	174.8	130.6	70.8	67.5	1,647.7
1966	80.3	69.8	.92.1	137.5	201.0	178.1	138.7	159.3	94.5	101.0	86.8	57.9	1,397.0
1967	56.2	59.7	105.4	125.2	222.5	186.5	143.1	176.8	110.4	112.8	54.5	36.3	1,389.4
1968	52.4	54.3	109.5	162.7	151.3	188,9	150.2	154.1	122.8	74.8	51.7	44.4	1,317.1
1969	38.9	50.0	96,2	119.3	179.0	180.9	126.6	121.0	84.5	107.3	67.6	54.2	1,225.5
1970	61.5	75.3	111.9	146.0	170.9	121.7	118.8	117.6	74.6	89.0	67.7	55.5	1,210.5
1971	49.4	50.7	87.3	161.9	187.5	131.9	141.3	123.6	119.7	109.1	78.2	62.5	1,303.1
1972	36.2	53.7	81.8	131.6	138.5	158.8	149.9	128.9	97.9	93.4	47.9	44.0	1,162.6
1973	39.8	65.7	127.8	139.1	164.7	142.6	174.4	162.8	111.7	81.5	71.0	53.9	1,335.0
1974	47.5	43.0	81.9	141.3	167.7	181.4	87.6	158.7	141 .2	96.9	70.7	39.6	1,257.5
1975	48.9	60.0	87.6	124.9	147.0	136.8	115.4	159.8	109.7	77.3	54.5	63.9	1,185.8
1976	67.1	50.6	96.2	118.1	161.0	145.6	107.4	104.6	116.8	93.2	65.8	48.4	1,174.8
Ave.	55.1	62.5	101.8	136.5	179.9	159.3	136.2	148.5	113.1	99.7	67,6	54.5	1,317.0

Table B 7 Continued (3)

Daegu	(1952-1	976)								4		ប	nit: mm
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	67.6	66.9	92.5	130.5	191.5	233.9	203.0	214.9	101.0	101.2	54.1	52.7	1,509.8
1953	59.7	56.4	102.3	162.8	171.0	122.0	140.5	184.4	125.9	125.9	73.3	62.3	1,386.5
1954	51.9	68.7	124.0	136.7	152.4	140.7	128.8	156.2	111.1	91.8	78.2	74.8	1,315.3
1955	74.8	61.4	81.8	129.6	172.4	175.7	166.9	211.6	126.9	115.6	78.4	72.3	1,467.4
1956	73.0	89.4	80.2	120.0	154.3	134.8	149.3	172.3	96.5	101.2	80.3	68.8	1,320.1
1957	63.6	69.1	110.3	136.4	183.2	155.5	100.3	120.6	146.5	116.9	69.7	58.0	1,330.1
1958	61.6	67.8	121.5	130.9	178.4	206.1	163.4	115.5	97.2	81.3	57.5	52.1	1,333.3
1959	67.2	51.1	100.9	119.7	174.4	167.6	168.5	144.4	93.2	111.1	71.0	62.2	1,331.3
1960	67.1	84.1	118.8	148.8	148.7	199.9	188.9	227.2	99.5	90.0	65.7	71.1	1,509.8
1961	73.2	80.0	103.3	153.2	153.0	150.1	137.9	142.8	115.4	89.5	65.9	68.0	1,332.3
1962	. 75.7	73.9	133.0	140.5	219.1	188.4	158.7	156.1	92.5	89.2	62.7	64.3	1,454.1
1963	64.9	76.7	133.1	95.4	130.2	100.2	139.6	125,4	138.1	101.4	81.5	65.1	1,251.6
1964	45.2	59.9	110.7	97.1	175.6	195.9	215.4	247.1	116.5	86.8	80.6	64.9	1,495.7
1965	79.2	72.0	140.1	158.9	200.5	229.5	130.4	171.2	160.5	118.0	74.3	72.3	1,607.2
1966	75.0	70.6	89.3	131.8	169.3	154.4	160.7	172.5	97.6	80.7	70.3	49.9	1,332.1
1967	58.7	60.5	91.9	110.6	203.7	184.2	176.4	211.2	114.0	103.0	52.4	44.7	1,411.3
1968	56.7	63.9	110.8	144.2	156.5	203.3	155.4	156.1	121.2	77.4	50.7	53.8	1,350.0
1969	52.7	49.1	108.2	134.0	168.2	167.9	134.7	159.6	95.3	96.3	72.5	47.1	1,285.6
1970	61.3	71.6	118.1	146.3	143.0	129.9	128.0	132.8	84.5	76.6	59.5	44.7	1,196.3
1971	43.5	59.0	96.3	147.6	167.1	120.8	149.4	143.2	111.9	109.2	73.3	66.4	1,287.7
1972	46.9	55.8	72.1	122.5	15.26	175.7	161.4	1.44 .4	114.9	92.6	53.7	43.4	1,236.0
1973	38.1	67.9	119.4	131.1	178.9	190.3	265,3	230.6	136.1	82.2	79.5	59.1	1,578.5
1974	52.4	46.6	87.3	145.4	166.8	173.1	92.4	185.1	134.5	95.3	66.0	50.4	1,295.3
1975	55.7	58.1	94.6	126.6	155.3	134.3	144.4	163.1	108.0	75.8	51.3	57.5	1,224.7
1976	65.7	52.4	92.1	116.7	159.5	149.3	143.4	143.9	110.8	93.1	53.8	37.1	1,217.8
Ave.	61.3	65.3	105.3	132.7	169.0	167.3	156.1	169.3	114.0	96.1	67.1	58.5	1,361.0

Table B 7 Continued (4)

Busan	(1952-1	L976)										U	hit: m
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	85.7	75.0	107.5	120.1	146.6	134.1	137.6	167.5	109.2	120.8	85.7	80.2	1,370.0
1953	89.5	85.7	112.7	158.2	119.8	90.0	122.4	167.5	114.6	132.8	105.9	83.7	1,382.8
1954	71.4	85.8	129.8	112.5	106.5	103.4	84.0	140.1	128.1	116.9	112.0	109.2	1,299.7
1955	85.4	79.3	88.5	123.0	139.1	144.6	119.0	189.6	126.3	133.8	104.3	102.3	1,435.2
1956	82.9	85.1	69.8	112.4	132.5	106.2	116.5	138.6	99.5	114.7	106.9	88.1	1,253.2
1957	80.0	83.1	120.4	123.6	149.2	126.8	69.4	116.9	160.6	135.5	99.4	84.8	1,349.7
1958	77.5	79.6	119.6	109.3	161.1	153.0	137.1	127.0	129.9	115.9	94.6	86.5	1,391.1
1959	90.6	71.4	114.7	126.5	140.9	154.1	157.3	151.1	100.2	136.4	94.0	98.5	1,435.7
1960	87.4	100.8	105.0	138.8	126.7	131.6	150.0	213.9	100.9	121.5	99.0	98.1	1,473.7
1961	85.8	88.7	102.2	139.6	125.5	114.8	134.5	143.5	146.0	120.6	93.7	101.3	1,396.2
1962	107.2	94.8	143.7	128.5	175.1	132.1	130.2	140.7	122.2	108.2	91.1	91.4	1,465.2
1963	95.4	97.9	100.5	74.3	94.7	69.6	115.7	120.5	119.8	103.3	86.0	73.4	1,151.1
1964	70.2	80.4	105.6	64.2	128.9	135.5	163.9	197.0	99.5	110.2	104.7	91.1	1,351.2
1965	87.7	82.2	121.6	120.5	134.8	131.8	77.5	144.6	134.6	106.2	66.6	74.2	1,282.3
1966	77.1	68.4	84.6	92.3	124.9	121.9	110.9	153.2	114.5	103.2	95.8	102.4	1,249.2
1967	94.0	83.2	97.3	86.7	140.8	151.5	131.0	196.7	135.1	127.8	84.8	71.2	1,400.1
1968	64.8	66.5	93.5	115.2	119.3	147.1	118.6	156.1	97.7	100.6	83.6	63.6	1,226.6
1969	46.2	55.1	86.5	89.5	125.3	135.4	112.9	135.3	94.3	113.3	82.8	59.1	1,135.7
1970	71.6	66.8	108.3	99.1	112.8	93.9	105.7	141.4	97.7	88.4	88.8	76.4	1,150.9
1971	68.2	70.9	92.4	124.4	138.3	95.7	126.3	141.8	110.8	121.2	88.8	102.9	1,281.7
1972	74.2	73.4	94.7	97.4	120.0	120.0	136.7	124.2	104.7	107.8	69.5	70.2	1,192.8
1973	56.6	73.0	114.1	112.4	125.3	130.1	180.9	172.8	109.1	84.9	81.1	78.9	1,319.2
1974	68.7	67.2	83.7	120.9	123.5	114.9	66.1	137.7	117.8	120.3	101.7	68.9	1,191.4
1975	72.8	83.8	98,8	107.3	119.6	111.5	121.3	148.7	97.4	96.5	65.6	73.2	1,196.5
1976	81.3	63.0	94.0	99.6	120.4	111.8	120.4	132.7	105.2	99.5	86.4	73.9	1,188.2
Ave.	78.9	78.4	103.6	111.9	130.1	122.5	121.8	152.0	115.0	113.6	90.9	84.1	1,304.0

Table B 7 Continued (5)

Gwang	ju (1952	-1976)										U	nit: mm
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	54.5	57.0	82.9	128.0	149.8	190.2	184.1	180.7	107.8	110.9	65.8	42.2	1,353.9
1953	53.7	54.7	90.7	153.4	170.5	123.7	152.8	177.2	121.3	111.0	70.5	53.8	1,333.3
1954	53.5	66.0	113.8	131.2	148.8	142.8	117.4	177.2	118.3	101.4	85.4	68.7	1,324.5
1955	59.0	66.2	79.2	126.4	181.6	181.6	175.5	169.3	149.8	110.2	73.4	70.3	1,442.5
1956	82.9	85.1	69.8	112.4	132.5	106.2	116.5	138.6	99.5	114.7	106.9	88.1	1,253.2
1957	54.0	61.1	100.0	117.0	179.3	148.5	113.1	150.8	156.8	117.5	69.8	46.4	1,313.4
1958	46.6	62.6	100.5	114.3	167.8	218.7	169.2	146.3	122.5	89.7	68.4	52.7	1,359.3
1959	53.7	49.1	99.1	118.0	159.8	178.7	176.3	215.8	106.8	137.4	73.4	50.5	1,418.6
1960	58.2	75.0	112.6	141.1	162.3	191.1	211.5	217.3	113.2	117.9	69.6	50.1	1,519.9
1961	51.3	75.9	102.2	152.1	154.7	138.5	179.3	172.1	116.1	101.3	59.5	46.2	1,349.2
1962	42.8	56.1	106.9	128.3	199.0	166.9	139.7	149.1	99.9	82.1	53.9	41.6	1,266.3
1963	32.3	51.2	93.6	79.2	87.1	90.7	115.1	126.6	125.1	99.6	61.0	47.2	1,008.7
1964	50.0	52.6	101.7	81.5	152.4	146.9	155.7	161.4	115.0	83.3	55.3	44.1	1,199.9
1965	41.9	51.2	99.1	121.6	126.6	145.6	104.7	149.5	133.0	100.7	55.5	49.4	1,178.8
1966	49.5	50.7	67.4	104.8	150.7	153.5	134.8	151.9	105.4	86.5	64.0	45.2	1,164.4
1967	45.2	50.6	79.6	97.2	167.5	161.9	133.8	181.8	141.3	122.8	52.2	33.8	1,267.7
1968	39.7	50.6	94.7	133.8	131.2	174.2	189.1	140.9	123.0	79.0	52.3	38.0	1,246.5
1969	29.3	43.7	90.6	97.6	135.9	158.4	147.9	154.8	92.8	99.0	61.6	35.9	1,147.5
1970	51.3	59.6	105.2	118.9	139.2	113.7	130.7	156.6	87.5	77.1	60.7	46.4	1,146.9
1971	41.7	49.1	91.4	151.6	164.0	156.6	149.6	138.5	112.2	97.9	59.4	55.2	1,267.2
1972	43.9	41.7	85.4	105.9	118.6	162.0	144.5	159.7	121.8	96.5	48.6	46.6	1,175.2
1973	45.2	54.5	107.7	125.4	138.0	217.8	238.4	199.5	112.6	79.8	64.6	37.4	1,420.9
1974	42.1	46.3	78.8	127.9	160.8	187.8	107.9	184.7	136.9	94.8	65.0	53.8	1,286.8
1975	48.2	52.9	96.3	110.9	146.1	145.6	161.3	185.9	117.4	86.0	59.0	42.1	1,251.7
1976	36.4	56.3	100.9	116.4	137.7	147.1	178.9	146.7	126.9	99.0	61.3	38.6	1,246.2
Ave.	48.3	56.8	94.0	119.8	150.5	157.9	153.1	165.3	118.5	100.0	64.7	49.0	1,279.0

Table B 7 Continued (6)

Jeonju	1 (1952-	-1976)										បា	nlt: mm
Year	Jan .	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	51.7	50.2	71.9	109.2	164.2	209.2	195.7	158.5	96.5	92.2	50.0	41.7	1,291.0
1953	49.0	46.0	86.5	143.1	163.6	104.8	137.0	149.2	120.4	106.9	59.7	40.1	1,206.3
1954	33.4	50.9	94.4	112.5	126.5	133.3	118.9	160.8	98.9	79.2	61.5	46.5	1,116.8
1955	45.2	51.7	70.6	114.7	154.7	164.6	149.4	145.5	112.9	91.5	56.1	46.3	1,203.2
1956	42.3	52.4	60.4	114.2	129.3	125.2	140.4	179.3	103.8	86.1	65.6	48.8	1,147.8
1957	41.0	49.3	72.7	109.0	153.9	130.8	93.7	122.9	137.4	99.2	65.4	44.4	1,119.7
1958	37.8	51.4	93.5	107.1	161.9	214.9	167.4	133.8	100.0	79.9	46.0	48.9	1,242.6
1959	40.3	41.3	88.8	106.3	159.4	171.6	153.7	194.4	95.4	115.6	55.6	35.1	1,257.5
1960	42.3	49.4	85.7	120.7	138.5	148.7	172.5	179.6	103.6	86.7	53.7	40.0	1,221.4
1961	41.4	48.6	76.7	125.5	136.4	128.1	143.4	137.9	100.0	82.2	51.0	42.3	1,113.5
1962	35.9	47.9	88.6	115.9	195.0	160.5	152.0	129.1	93.2	88.6	54.3	41.0	1,202.0
1963	36.8	48.1	96.0	82.0	115.5	113.0	130.7	146.0	131.1	106.8	56.7	39.4	1,102.1
1964	36.7	45.4	87.6	102.1	152.8	153.3	150.1	180.6	105.2	82.7	58.1	27.0	1,181.6
1965	38.3	45.6	88.9	118.8	155.4	170.1	97.6	142.0	133.2	94.1	54.3	52.0	1,190.3
1966	46.9	48.3	72.5	108.1	173.7	164.1	134.5	150.3	99.5	84.3	61.6	38.6	1,182.4
1967	25.6	22.2	52.5	100.8	186.0	183.7	148.4	154.3	108.4	100.5	42.9	25.2	1,150.5
1968	30.2	36.6	67.8	135.0	130.6	179.9	120.1	108.9	116.5	71.3	42.9	32.7	1,072.5
1969	29.8	28.7	63.5	92.0	129.8	141.2	109.0	123.6	97.5	89.8	44.7	28.9	978.5
1970	38.8	42.8	66.9	101.1	127.5	105.9	106.2	120.4	72.7	70.5	54.9	31.2	939.0
1971	18.8	26.4	71.6	106.9	146.1	114.8	118.8	116.9	95.9	81.5	41.9	34.2	973.8
1972	26.2	29.2	53.0	84.6	107.1	138.7	135.9	118.9	93.7	85.4	40.0	35,2	947.9
1973	31.1	35.1	74.2	103.9	129.4	135.5	168.9	163.0	104.4	70.0	48.2	35.3	1,099.0
1974	28.4	30.4	47.1	94.8	129.8	148.2	99.3	160.2	103.6	70.1	44.2	31.2	987.3
1975	27.0	31.2	63.9	92.2	130.1	108.0	111.5	150.6	98.4	63.2	47.8	37.4	961.3
1976	30.8	39.0	62.2	93.5	123.6	138.8	120.2	120.6	107.3	82.2	39.2	23.6	981.0
Ave.	36.2	42.0	74.3	107.8	144.8	147.5	135.0	145.9	105.2	86.4	51.9	37.9	1,115.0

Table B 8 MONTHLY MEAN WIND VELOCITY

Seoul	(19541	976)										Unit:	m/sec.
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	-	~~	. —	-		•		_ سي			_		·
1953		·	. <del>-</del> ,	· -	· <del></del>						. —		
1954	2.1	2.6	3.0	3.0	2.6	2.8	2.9	2.3	2.2	2.0	2.0	2,4	2.5
1955	2.5	2.7	2.8	3.4	2.6	2.4	2.6	2.1	2.0	2.2	2.4	2.2	2.5
1956	2.5	2.9	3.0	2.9	2.9	2.5	1.8	2.1	1.8	1.8	2.3	2.3	2.4
1957	2.0	3.2	2.9	3.1	2.6	2.3	2.5	2.1	1.8	2.0	2.1	2.3	2.4
1958	2.8	2.2	2.8	2.9	2.5	2.1	2.2	1.9	1.6	2.0	1.7	2.0	2.2
1959	2.7	3.1	2.9	3.1	2.3	2.3	2.2	2.3	1.6	1.7	1.9	1.9	2.3
1960	2.3	2.5	2.4	2.8	2.7	2.2	2.1	2.0	1.8	1.3	2.2	2.6	2.2
1961	2.4	3.1	3.0	3.1	2.4	1.6	1.9	1.7	1.6	1.8	2.2	1.7	2.2
1962	1.7	1.9	3.0	3.1	2.5	2.1	2.2	2.1	2.1	1.4	2.1	1.9	2.2
1963	2.9	2.7	3.0	3.0	2.3	2.2	2.4	1.9	2.2	1.9	2.4	2.4	2.4
1964	2.3	2.6	2.8	2.8	2.2	2.0	2.2	2.6	2.0	1.3	1.9	2.3	2.3
1965	2.7	2.9	3.2	3.0	2.8	2.1	2.3	2.2	2.2	2.1	2.6	2.9	2.6
1966	2.7	2.8	3.3	2.8	2.5	2.1	2.3	1.9	1.9	2.3	2.6	2.3	2.5
1967	2.8	2.8	2.9	3.0	2.4	2.2	2.3	2.4	2.0	2,2	2.5	2.6	2.5
1968	3.0	2.9	3.2	2.8	2.7	2.5	2.4	2.4	2.3	2.2	2.4	2.6	2.6
1969	2.7	2.8	2.9	3.1	2.5	2.3	2.7	2.5	1.9	2.1	2.5	2.7	2.6
1970	2.5	2.9	3.2	2.9	2.7	2.3	2.3	2.6	2.1	1.9	2.5	2.6	2.5
1971	2.4	2.7	3.4	2.7	2.6	2.2	2.5	2.2	2.2	2.0	2.2	2.8	2.5
1972	2.7	2.8	2.8	2.8	3.0	2.5	2.4	2.6	2.3	2.4	2.6	2.4	2.6
1973	2.2	2.8	3.2	3.3	3.1	2.3	2.3	2.0	2.0	2.2	2.9	2.8	2.6
1974	2.1	2.7	3.0	3.5	2.7	2.6	2.1	2.4	2.1	2.2	2.2	2.3	2.5
1975	2.7	3.0	2.8	2.9	2.3	1.9	2.1	1.7	1.8	1.7	2.4	2.3	2.3
1976	3.0	2.6	2.7	2.5	2.5	2.1	2.3	2.0	1.8	1.8	2.4	2.6	2.4
Ave.	2.5	2,7	3.0	3.0.	2,6	2.2	2.3	2.2	2.0	1.9	2.3	2.4	2.4

Table B 8 Continued (2)

Chupun	gryeone	(1954	-1976)	_								Unit:	m/sec.
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952		_	· -				· . <del></del>			٠ ـــ			
1953	_			3.4	3.0	2.4	1.7	2.1	1.8	2.1	3.3	3.6	2.0
1954	3.4	3.7	4.0	3.0	2.6	2.9	2.4	1.8	2.2	2.3	2.2	3.7	2.9
1955	3.6	2.9	2.1	2.3	2.5	1.9	1.7	1.4	1.4	2.1	3.4	4.0	2.4
1956	4.2	4.7	2.9	3.2	3.3	2.3	:1.5	2.0	1.7	2.0	3.5	4.6	3.0
1957	4.0	4.3	4.0	3.6	2.9	2.3	1.9	2.4	2.1	2.8	2.5	3.7	3.0
1958	5.2	3.6	3.9	3.2	3.3	2.1	2.0	1.7	1.5	1.9	2.4	3.3	2.8
1959	4.7	3.0	3.2	3.4	2.6	1.9	2.0	1.6	1.9	2.0	3.2	3.8	2.8
1960	4.0	4.2	3.2	3.4	2.9	2.4	2.3	2.3	1.9	1.6	. 2.7	3.6	2.9
1961	4.2	4.2	3.4	3.7	3.0	2.2	1.5	1.7	2.0	2.3	3.0	3.7	2.8
1962	4.4	3.8	3.9	3.7	3.0	2.0	2.3	2.4	2.4	2.2	3.1	3.6	3.1
1963	5.8	4.5	3.7	2.9	2.9	2.4	2.1	2.5	3.0	2.2	3.3	3.9	3.3
1964	3.5	3.7	3.8	2.9	3.2	2.9	2.6	2.3	2.4	2.5	3.6	3.4	3.1
1965	4.5	4.8	5.3	4.0	3.4	2.0	3.2	2.2	2.8	2.8	3.3	4.5	3.6
1966	5.2	4.2	4.1	3.4	2.8	2.0	2.3	2.2	2.1	2.8	3.0	3.9	3.2
1967	5.1	4.5	3.7	2.9	2.7	2.6	2.3	2.4	1.7	2.7	3.2	4.0	3.2
1968	5.4	4.9	4.3	2.7	2.9	2.7	2.2	2.0	2.0	2.5	3.0	3.2	3.2
1969	4.1	3.7	3.7	3.6	3.0	2.4	1.9	1.7	2.1	2.4	3.2	3.9	3.0
1970	4.3	4.2	4.7	3.2	3.4	2.4	1.9	2.2	2.0	2.2	3.4	4.4	3.2
1971	4.0	4.0	4.7	3.5	3.2	2.9	2.2	2.8	2.4	3.0	2.9	4.3	3.3
1972	3.1	4.2	3.3	2.8	3.3	2.4	2.6	2.0	2.5	2.9	3.6	3.5	3.0
1973	3.0	4.2	4.4	3.7	3.5	2.5	2.5	. 2.5	2.3	2.9	3.4	4.8	3.3
1974	3.4	3.5	3.5	3.4	2.7	2.6	2.1	2.4	2.4	3.1	3.0	3.2	2.9
1975	4.3	4.5	4.0	3.2	2.7	2.2	1.9	1.7	1.9	2.0	2.8	4.6	3.0
1976	4.8	3.1	3.6	3.1	3.0	2.5	2.2	2.0	2.0	2.5	3.2	3.2	2.9
Ave.	4.3	4.0	3.8	3.3	3.0	2.4	2.0	2.1	2.1	2.4	2.8	3.9	3.0

Table B 8 Continued (3)

Daegu	(1952-1	L9 76)		٠.								Unit:	m/sec.
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	3.6	3.4	3.7	3.8	3.2	3.6	3.8	3.4	2.3	2.3			
1953	4.2	3.5	3.9	3.5	3.5	3.5					1.9	3.1	3,2
1954	3.2	3.6	3.8	3.8	3.2	4.2	2.9	3.5	2.3	2.5	3.1	3.2	3.3
1955	4.1	3.1	3.4	3.7			4.0	2.9	2.8	2.7	2.6	3.7	3.4
	4.1	J. 1	3.4	3.7	2.7	2.9	2.4	3.0	2.9	3.3	3.3	3.3	3.2
1956	3.7	4.4	4.0	3.2	3.0	3.3	2.8	2.8	2.4	2.5	2.9	3.9	3.2
1957	3.1	3.8	3.8	3.8	2.9	2.7	2.9	3.2	2.7	2.6	2.5	3.2	3.1
1958	4.2	2.8	2.7	3.4	3.2	3.0	3.5	2.5	2.4	2.4	2.3	2.4	3.0
1959	4.1	3.0	3.3	3.2	2.9	2.8	2.9	2.6	2.6	2.3	2.8	3.1	3.0
1960	3.5	3.4	3.8	3.4	2.8	3.4	2.8	3.3	2.1	1.9	2.3	3.5	3.0
1961	.3.1	3.2	2.6	3.4	2.4	2.9	2.2	2.7	2.6	2.4	2.5	3.2	2.8
1962	4.1	3.6	4.3	3.7	3.0	3.2	3.3	3.1	3.0	2.2	2.7	3.0	3.3
1963	5,.5	3.8	4.1	4.2	4.0	3.9	3.2	2.9	3.5	2.8	3.1	3.6	3.7
1964	3.0	3.9	3.7	5.2	3.2	3.5	3.0	3.5	3.1	2.4	3.0	2.8	3.4
1965	3.7	4.0	4.4	4.0	3.5	3.5	3.4	2.6	2.9	2.8	2.8	4.0	3.5
1966	4.2	3.7	4.2	4.0	3.3	3.6	3.3	3.1	3.5	2.7	2.8	2.9	3.4
1967	3.5	3.6	2.9	3.5	3.1	3.0	3.3	2.5	2.3	2.4	2.0	3.3	3.0
1968	3.9	4.0	3.5	2.6	3.4	3.2	2.8	2.4	2.4	2.3	7.2	2.7	3.0
1969	3.3	3.3	3.7	4.0	3.3	2.4	2.6	2.4	2.6	2.3	8.8	3.2	3.5
1970	3.5	3.8	4.2	4.1	3.6	3.2	2.3	3.1	2.5	2.1	2.7	3.3	3.2
1971	2.9	3.5	3.3	3.3	3.2	3.4	3.0	3.5	3.0	2.6	2.6	3.3	3.1
1972	2.7	3.6	3.2	3.4	4.0	3.0	3.6	2.7	2.9	2.7	3.2	2.6	3.1
1973	2.2	2.8	3.3	3.2	3.5	3.4	3.3	3.3	2.6	2.4	3.6	3.3	3.1
1974	2.2	.3.1	3.6	4.3	3.4	3.1	3.7	3.6	2.6	2.6	2.7	2.6	3.1
1975	3.6	3.3	3.7	3.8	3.3	2.7	2.8	2.7	2.7	2.3	2.4	3.5	3.1
1976	4.0	2.5	3.2	2.7	2.9	3.1	2.9	2.8	2.2	2.3	2.7	2.5	2.8
Ave.	3.6	3.5	3.7	3.6	3.2	3.2	3.1	3.0	2.7	2.5	2.9	3.2	3.2

Table B 8 Continued (4)

Busan	(1952-1	976)										Unit:	m/sec
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annua
1952	4.5	4.4	4.8	4.9	3.6	4.9	4.6	4.4	3.6	3.6	4,4	4.8	4.4
1953	5.5	4.9	4.9	4.5	4.8	4.0	4.8	5.3	3.8	4.0	4.8	4.5	4.7
1954	5.0	5.9	5.0	4.5	3.9	5.5	4.7	4.0	4.6	3.9	3.8	4.5	4.6
1955	3,5	3.5	4.0	4.2	2.8	3.7	3.8	3.6	4,2	4.5	3.5	3.9	3.8
1956	4.4	4.4	5.1	4.5	3.5	4.3	3.7	3.9	3.9	3.7	4.2	4.5	4.2
1957	4.3	4.9	4.5	4.0	3.6	3.8	4.3	4.0	4.0	3.5	3.6	4.5	4.1
1958	5.5	4.5	4.3	4.2	4.0	3.3	4.5	3.9	4.6	4.1	4.2	3.8	4.2
1959	4.4	5.0	4.8	4.2	4.4	3.9	4.8	4.9	4.6	3.2	3.7	4.7	4.4
1960	4.3	4.6	4.9	4.1	3.9	4.8	3.8	4.7	3.5	4.4	3.0	4.3	4.2
1961	4.5	3.9	4.5	5.1	3.8	3.4	4.5	4.3	4.6	5.3	4.3	5.1	4.4
L962	5.4	4.7	5.3	3.9	3.1	3.6	3.8	4.3	3.6	2.7	4.6	4.5	4.1
.963	6.0	5.3	5.5	6.1	4.7	4,9	5.4	3.8	4.7	4.0	4.2	4.9	5.0
1964 .	5.3	5.9	4.8	6.0	3.9	4.7	5.5	5.6	4.9	4.1	4.6	3.8	4.9
L965	4.3	4.1	5.1	4.8	4.6	4.1	6.0	3.9	3.9	3.7	3.4	4.7	4.4
1966	4.2	5.3	5.4	4.3	4.7	4.6	5.3	4.1	4.7	4.4	4.2	4.9	4.7
1967	4.8	5.3	4.5	5.2	3.9	3.9	4.2	3.9	4.5	4.3	4.7	4.5	4.3
1968	5.3	5.2	4.9	3.5	4.0	3.9	4.3	4.7	4.6	4.6	3.8	4.5	4.4
.969	4.6	5.4	4.8	5.7	4.7	4.1	5.3	4.8	4.9	4.6	4.7	4.6	4.9
.970	5.1	4.8	4.7	5.2	4.4	.4.0	4.6	4.5	4.6	3.5	4.5	4.7	4.6
971	5.0	5.1	4.9	4.5	4.3	3.3	5.0	4.5	4.5	4.2	4.1	4.7	4.5
972	5.5	5.7.	4.4	4.8	4.5	3.4	5.4	4.6	4.4	4.1	4.2	4.6	4.6
973	4.7	4.1	4.6	4.6	3.9	3.4	3.9	5.3	3.7	4.0	5.0	4.9	4.3
974	4.2	4.7	4.7	6.4	4.5	3.9	4.5	4.8	3.8	3.7	4.0	4.4	4.5
975	4.6	4.7	4.7	4.8	4.1	3.0	5.1	4.0	4.2	4.4	4.5	4.6	4.4
976	4.6	4.3	4.4	4.3	4.3	4.6	4.3	4.5	3.9	3.6	4.2	4.3	4.3
ve.	4.8	4.8	4.8	4.7	4.1	4.0	4.6	4.4	4.3	4.0	4.2	4.5	4.4

Table B 8 Continued (5)

Gwangj	u (1952	-1976)										Voit:	m/sec.
Year	Jan.	Feb.	Mar.	Apr.	Маў	June	July	Aug.	Sept,	Oct.	Nov.	Dec.	Annual.
1952	2.0	2.3	2.1	2.3	1.5	1.9	1.9	2.1	1.5	1.6	1.4	1.6	1.9
1953	2,3	1.9	2.2	2.0	2.2	1.9	2.1	1.9	1.2	1.2	1.9	1.7	1.9
1954	1.7	2.2	2.3	1.7	1.9	2.1	2.0	1.8	1.4	1.4	1.2	2.2	1.8
1955	2.0	1.7	2.0	2.1	1.8	2.0	2.2	1.5	1.6	1.5	1.5	1.5	1.8
1956	1.7	2.1	2.1	1.9	1.6	1.9	2.2	1.6	1.7	1.4	1.9	2.0	1.8
1957	1.8	2.2	2.2	2.0	1.8	1.4	2.0	1.7	1.5	1.5	1.3	1.8	1.8
1958	į, <b>1.9</b> .	1.8	2.0	2.1	1.8	1.7	1.9	1.4	1.3	1.2	1.0	1.0	1.6
1959	1.4	1.4	2.0	2.0	1.4	1.7	2.0	2.0	1.5	1.0	1.5	1.4	1.6
1960	2.8	2.8	2.9	2.6	2.6	2.7	2.4	2.2	1.7	1.5	1.8	2.2	2.4
1961	2.2	2.5	2.4	2.4	1.9	1.5	2.0	2.0	1.7	1.9	1.8	2.3	2.1
1962	2.5	2.8	3.2	3.3	2,5	2.4	2.6	2.6	2.5	2.1	2.6	2.4	2.6
1963	2.9	2.4	2.8	3.1	2.6	2.5	3.1	2.1	2.2	2.2	2.3	2.6	2.6
1964	2.7	3.1	3.2	3.0	2.7	2.7	3.2	2.4	2.3	1.8	2.4	2.4	2.7
1965	3.0	3.3	3.7	3.1	2.8	2.2	3.Q	2.5	2.3	2.1	2.8	3.3	2.8
1966	3.0	3.2	2.4	2.9	2.9	2.6	2.9	2.6	2.2	2.2	2.9	2.6	2.7
1967	2.8	3.2	3.0	2.4	2.1	2.0	2.2	1.6	1.4	1.8	2.0	1.9	2.2
1968	2.8	2.9	3.2	2.3	2.2	2.2	2.2	1.9	1.6	1.6	1.8	1.9	2.2
1969	2.1	3.0	2.5	3.0	2.7	2.2	2.6	2.1	1.4	1.8	2.8	2.6	2.4
1970	2.9	2.9	3.6	2.3	2.3	2.0	2.2	2.4	1.7	1.7	2.4	2.6	2.4
1971	2.1	2.7	3.1	2.5	2.3	1.9	2.2	2.0	1.7	1.9	1.7	2.7	2.2
1972	2.3	3.2	2.5	2.2	2.1	1.8	2.6	2.5	2.3	2.3	2.4	2.0	2.4
1973	2.4	2.8	3.0	2.6	2.7	2.2	2.6	2.6	1.9	, 2.1	2.8	2.4	2.5
1974	2.0	2.8	2.4	3.1	2.4	2.1	2.4	2.4	1.7	2.2	2.0	2.4	2.3
1975	2.5	2.8	2.8	2.6	2.2	1.9	2,4	1.6	1.5	1.6	2.0	2.2	2.2
1976	2.6	2.3	2.8	2.4	2.1	2.1	2.1	2.2	2.0	2.0	2.2	2.0	2.2
Ave.	2.3	2.6	2.7	2.5	2.2	2.1	2.4	2.1	1.8	1.7	2.0	2.1	2.2

Table B 8 Continued (6)

Jeonju	(1952-	1976)										Unit:	m/sec.
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annua1
1952	1.7	1.5	1.7	1.9	1.4	1.8	1.5	1.6	1.2	1.5	1.1	1.4	1.5
1953	1.8	1.4	2.0	1.9	1.9	1.7	1.4	1.6	1.1	1.1	1.5	1.3	1.6
1954	1.2	1.8	1.7	1.5	1.5	1.7	1.6	1.2	1.2	1.2	1.2	1.3	1.4
1955	1.6	1.6	1.6	1.6	1.5	1.4	1.6	1.1	1.3	1,3	1.4	1.3	1.4
1956	1.4	1.6	1.7	1.7	1.4	1.7	1.4	1.3	1.2	0.9	1.3	1.5	1.4
1957	1.1	1.4	1.5	1.1	1.2	1.2	1.4	0.9	1.0	1.2	1.6	1.2	1.2
1958	1.4	1.3	1.9	1.7	1.3	1.3	1.5	1.2	1.0	1.0	0.8	0.9	1.3
1959	1.3	0.8	1.5	1.7	1.2	1.3	1.5	1.5	1.2	0.9	0.8	0.7	1.2
1960	0.8	1.0	1.1	1.3	1.2	1.2	1.1	1.1	0.9	0.9	0.6	0.8	1.0
1961	0.9	0.9	0.9	1.3	1.1	0.8	1.0	1.0	0.7	0.8	1.1	1.2	1.0
1962	1.0	1.2	1.6	1.8	1.8	1.3	1.3	1.5	1.3	0.8	0.9	0.8	1.2
1963	1.8	1.9	1.9	2.0	1.6	1.4	1.8	1.2	1.4	1.2	1.4	1.5	1.6
1964	1.3	1.4	1.7	1.6	1.2	1.3	1.5	1.1	0.7	0.5	0.8	0.8	1.2
1965	0.9	0.9	1.7	1.5	1.6	1.3	1.4	1.3	1.0	0.8	1.1	1.8	1.3
1966	1.2	1.5	1.7	4.3	1.5	1.4	1.4	1.1	0.8	1.0	1.3	1.1	1.5
1967	1.2	1.6	1.5	1.4	1.0	0.8	1.1	0.9	0.6	0.6	0.5	0.7	1.0
1968	1.0	1.0	1.0	1.2	1.2	1.2	1.3	1.0	0.8	0.8	0.9	1.1	1.0
1969	1.0	1.3	1.3	1.9	1.4	1.3	1.4	1.4	1.0	0.9	1.3	1.5	1.3
1970	1.3	1.5	1.6	1.4	1.2	1.4	1.3	1.2	1.0	0.8	0.8	0.8	1.2
1971	0.4	0.4	0.6	1.0	1.5	1.1	1.2	1.0	0.9	0.8	0.8	1.3	0.9
1972	1.0	1.1	1.2	1.4	1.0	0.7	1.1	1.2	1.2	1.3	1.0	0.9	1.1
1973	0.9	1.1	1.4	1.2	1.3	1.2	1.3	1.6	1.1	0.9	1.1	1.3	1.2
1974	0.9	1.3	1.3	1.5	1.3	1.2	1.1	1.2	1.0	1.0	0.8	0.7	1.1
1975	1.0	1.2	1.5	1.5	1.4	1.2	1.4	1.2	1.0	0.9	1.0	0.6	1.2
1976	1.1	1.0	1.2	1.3	1.3	1.4	1.4	1.4	1.2	1.0	0.7	1.0	1.2
Ave.	1.2	1,3	1.5	1.6	1.4	1.3	1.4	1.2	1.0	1.0	1.0	1.1	1.3

Table B 9 MONTHLY SUNSHINE HOURS

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952		tente				-		_	_				—
1953	,	-				-			_			<u> </u>	_
1954	153.0	144.7	234.4	237.7	225.4	155.2	132.3	176.4	152.3	210.9	149.0	155.5	2,126.8
1955	160.7	159.8	173.1	180.7	207.4	202.0	139.7	260.7	220.3	212.6	169.6	142.7	2,229.3
1956	173.1	193.6	154.3	177.2	243.2	154.2	146.1	197.4	192.3	236.0	192.0	168.5	2,227.9
1957	155.8	172.3	190.6	208.2	283.7	212.9	84.3	180.7	263.2	222.7	180.4	148.6	2,303.4
1958	146.3	181.3	204.4	204.5	261.1	242.8	163.6	152.5	157.6	203.0	131.6	131.8	2,180.5
1959	184.4	142.8	188.8	199.8	236.2	.132.9	157.8	167.1	137.4	21.6.4	153.5	135.4	2,052.5
1960	148.7	168.0	181.7	239.8	210.4	156.3	140.1	177.3	152.6	224.6	134.3	140.8	2,074.6
1961	158.5	174.2	212.5	227.1	224.7	159.5	90.1	112.0	167.6	202.8	146.7	158.4	2,034.1
1962	188.4	180.1	191.2	192.8	299.3	202.3	166.2	110.0	141.3	202.6	128.9	130.4	2,133.5
1963	210.8	195.1	224.9	123.4	146.2	152.5	97.0	178.5	208.1	246.9	166.3	1.9.9	2,070.6
1964	131.2	181.9	191.9	139.9	223.3	195.6	93.7	131.3	138.2	186.3	153.7	165.1	1,932.1
1965	165.7	183.7	217.0	219.7	209.0	242.5	109.6	84.7	242.9	223.4	138.6	146.9	2,183.7
1966	183.1	136.7	164.0	211.1	253.1	195.2	90.8	192.2	160.3	185.7	174.4	166.3	2,112.9
1967	205.5	176.3	214.3	187.9	285.6	186.4	156.7	118.4	188.2	247.7	156.6	154.8	2,278.4
1968	188.3	226.4	228.4	274.1	184.2	230.1	128.9	207.8	219.6	193.8	152.8	118.1	2,352.5
1969	137.8	145.9	190.8	150.7	201.4	224.9	121.5	181.3	127.7	217.5	144.5	134.3	1,978.3
1970	172.4	161.8	243.0	236.5	232.9	140.6	75.9	122.2	117.7	197.9	169.7	110.2	1,980.8
1971	109.5	154.3	201.8	231.4	216.9	159.3	84.4	120.5	164.2	238.9	170.2	176.7	2,028.1
1972	125.1	115.6	171.3	169.7	191.2	205.8	161.3	133.4	189.9	189.7	90.2	118.2	1,861.4
1973 <sup>.</sup>	115.1	158.8	202.6	176.0	248.6	134.8	154.7	111.6	147.4	162.3	130.1	164.2	1,906.2
1974	205.7	133.4	188.2	188.1	217.0	215.3	65.6	133.9	191.6	175.8	136.5	123.8	1,974.9
1975	178.0	174.8	192.4	209.2	193.5	157.5	85.7	203.8	145.6	165.2	172.0	185.1	2,062.8
1976	186.7	130.6	201.8	208.0	239.5	181.5	125.4	94.7	205.3	188.3	162.1	167.2	2,091.1
Ave.	164.5	164.9	198.4	199.7	227.6	184.4	120.5	154.3	175.3	206.6	152.3	146.2	2,095.0

Table B 9 Continued (2)

Chupu	ngryeong	(1953-	1976)								-	Un	it: hr.
Year	Jan.	Feb.	Mar.	Apr.	Мау	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952		_		. —					· <u>-</u> .			· <del>-</del>	<b></b>
1953	· _	181.0	204.0	275.4	243.9	158.1	158.5	179.4	214.9	241.5	197.9	163.7	2,218.3
1954	126.0	164.2	252.0	228.3	239.3	153.0	120.6	189.1	171.1	224.8	190.5	175.8	2,234.7
1955	193.6	195.1	158.4	217.6	263.9	212.9	184.5	249.8	204.7	228.3	202.7	200.8	2,512.3
1956	182.7	209.9	145.8	223.6	247.9	173.3	187.5	197.5	164.6	229.3	209.1	205.0	2,376.2
1957	160.1	173.4	211.2	212.9	278.9	200.9	95.8	183.3	257.4	236.8	194.7	183.5	2,388.9
1958	172.3	196.6	248.4	211.0	298.9	261.6	183.2	155.5	180.1	185.2	172.8	171.7	2,437.3
1959	194.2	146.2	228.4	223.4	273.5	225.3	214.0	195.4	137.6	267.3	170.4	175.5	2,451.2
1960	200.9	206.0	204.9	239.4	236.3	207.8	225.3	231.1	138.2	220.0	176.7	182.1	2,468.7
1961	199.2	214.5	220.8	270.3	253.1	190.8	175.9	194.5	172.6	180.0	155.5	200.7	2,427.9
1962	199.5	186.3	251.8	213.3	328.1	222.8	194.9	181.5	149.9	243.5	123.0	168.2	2,462.8
1963	177.1	207.7	233.4	126.7	177.0	148.4	155.5	208.4	202.8	251.9	172.3	139.4	2,200.6
1964	142.9	157.8	214.1	132.8	253.9	234.5	188.1	234.5	151.1	171.5	184.0	172.4	2,237.6
1965	176.8	205.7	273.3	231.6	258.0	264.3	92.1	179.5	256.2	235.7	152.6	171.4	2,497.2
1966	215.6	197.2	161.6	176.0	239.1	208.6	161.5	188.5	125.4	166.9	192.0	192.4	2,224.8
1967	209.2	183.0	219.1	192.3	282.3	210.9	160.6	203.0	190.6	252.1	134.5	164.9	2,402.5
1968	182.4	213.3	225.7	246.5	196.6	241.9	161.0	178.0	194.6	169.8	157.1	126.5	2,293.4
1969	129.7	114.6	196.7	207.9	249.4	248.9	140.5	182.5	144.3	237.8	159.0	172.5	2,183.8
1970	204.3	175.3	232.7	225.0	229.1	168.6	168.1	136.7	111.5	206.0	206.4	161.1	2,224.8
1971	158.9	155.9	215.3	259.1	262.3	176.7	167.9	154.3	181.6	237.5	212.7	179.7	2,361.9
19.72	127.7	109.0	105.3	219.3	223.6	224.5	203.8	171.4	140.3	160.4	106.4	167.7	1,959.4
1973	128.1	173.8	236.6	215.2	247.1	191.0	230.3	230.8	197.7	195.2	189.0	196.4	2,431.2
1974 ·	213.7	132.7	191.6	231.8	238.0	234.8	65.3	172.8	182.7	135.4	177.2	110.1	2,086.1
1975	147.3	146.5	173.3	186.7	199.4	136.7	115.1	219.0	150.2	160.4	149.5	191.0	1,975.1
1976	190.9	131.1	207.6	204.6	227.2	198.6	148.0	132.3	205.3	191.9	160.7	138.9	2,137.1
Ave.	175.4	174.0	208.8	215.4	247.8	204.0	162.4	189.5	176.1	209.5	172.8	171.3	2,307.0

Table B 9 Continued (3)

Daegu	(1952-1	976)										Un	it: hr.
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept,	Oct.	Nov.	Dec.	Annual
1952	203.9	178.5	210.2	210.7	248.3	236.9	187.1	213.1	148.0	234.5	122.8	183.7	2,377.7
1953	206.0	165.7	205.9	261.0	232.9	132.1	174.5	205.3	208.6	232.3	185.7	149.4	2,359.4
1954	116.2	161.9	215.3	211.7	197.3	140.7	100.9	186.4	177.1	199.4	184.0	166.3	2,057.2
1955	196.6	178.5	131.1	200.8	222.8	159.0	151.4	240.6	179.7	211.7	200.6	205.2	2,287.0
1956	190.0	224.8	157.9	208.7	256.5	146.5	170.3	165.4	139.5	214.5	219.8	211.1	2,305.0
1957	176.3	171.6	222.9	206.9	245.1	178.4	98.0	187.2	231.2	232.7	197.6	204.2	2,352.1
1958	195.4	210.2	257.8	202.0	274.4	253.3	213.9	132.1	177.4	178.9	175.9	175.9	2,447.2
1959	197.7	128.8	230.4	226.0	251.2	215.3	207.6	168.8	135.4	273.6	175.6	184.7	2,395.1
1960	219.6	232.0	213.7	247.5	234.1	217.1	237.4	275.9	136.0	222.4	194.5	207.9	2,638.1
1961	2003.	227.5	206.5	255.7	240.0	178.5	143.0	181.5	144.1	169.5	165.8	212.4	2,324.8
1962	219.2	169.9	264.4	210.3	290.4	205.0	180.1	181.9	142.3	247.7	136.5	188.7	2,436.4
1963	192.5	195.7	200.6	109.8	149.5	136.1	170.7	177.2	217.8	246.8	190.1	165.2	,2152.0
1964	149.6	174.2	242.8	145.1	264.0	255.6	242.0	275.7	162.8	180.7	214.3	202.2	2,509.0
1965	206.8	212.2	296.2	234.6	281.5	266.2	122.2	238.6	258.3	232.7	180.3	190.0	2,719.6
1966	226.5	202.7	178.3	190.0	261.7	214.0	192.9	184.0	138.3	179.2	210.1	207.6	2,385.3
1967	212.8	187.7	228.0	188.7	279.1	233.4	164.0	243.2	197.0	242.2	139.4	174.6	2,490.1
1968	196.8	230.5	247.1	244.5	209.7	258.5	170.8	179.5	165.2	197.5	171.7	156.9	2,428.7
1969	54	41	47 <sub>:</sub>	50	58	54	35	53	36	68	64	64	52
1970	235.7	189.6	255.7	235.9	224.3	179.7	179.1	156.6	108.8	199.6	219.1	184.1	2,368.2
1971	199.4	184.4	215.5	237.3	249.6	177.1	189.8	162.6	177.5	204.3	225.4	217.0	2,439.9
1972	154.4	133.6	177.0	211.6	230.4	221.6	178.8	179.7	194.9	209.3	149.2	169.1	2,208.4
1973	126.6	174.0	247.9	215.3	237.9	184.4	250.5	221.0	181.7	179.6	208.8	223.0	2,450.7
1974	223.7	150.5	207.3	226.3	214.3	178.5	42.0	194.8	169.3	131.7	167.6	120.7	2,026.7
1975	180.6	152.7	174.4	191.3	207.3	167.1	155.5	227.3	150.4	146.1	154.5	222.6	2,129.8
1976	225.0	150.1	214.8	192.7	28,2	181.7	145.0	154.6	186.9	192.9	176.4	144.1	2,192.4
Ave.	188.2	177.1	209.9	204.6	223.5	190.8	164.1	191.4	166.6	201.1	177.2	181.2	2,276,0

Table B 9 Continued (4)

Busan	(1952-1	1976)										Uп	it: hr.
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	181.7	157.4	186.8	192.5	224.6	187.1	162.5	219.0	142.7	188.7	153.1	191.2	2,187.3
1953	185.7	154.9	196.8	237.4	203.6	90.1	137.4	188.1	166.8	197.1	164.2	177.8	2,099.9
1954	123.7	162.6	171.3	177.2	144.1	105.7	70.0	226.7	187.6	181.4	165.6	187.9	1,903.8
1955	183.5	154.3	94.9	145.4	227.2	145.8	128.6	262.1	171.2	213.9	209.9	196.4	2,133.2
1956	201.2	210.9	141.1	192.6	194.2	118.3	150.1	175.7	128.5	182.7	223.0	194.6	2,112.9
1957:	179.1	158.7	237.0	173.9	226.2	150.6	20.2	140.0	189.8	225.0	188.6	179.3	2,068.4
1958	183.2	196.1	221.3	154.5	243.4	198.6	144.0	123.3	162.6	177.3	184.9	199.4	2,188.6
1959	204.1	120.6	209.3	223.9	218.0	240.9	182.2	193.2	106.7	248.6	201.3	176.4	2,352.2
1960	209.9	228.2	171.7	227.2	196.6	150.9	200.9	249.8	103.1	195.0	173.5	206.8	2,313.6
1961	206.4	217.7	188.1	236.7	200.4	151.7	155.1	158.0	173.5	160.8	167.1	232.1	2,247.6
1962	238.3	198.0	259.5	201.9	226.7	186.4	139.4	200.4	164.6	223.6	151.5	205.9	2,396.2
1963	244.8	216.5	193.2	99.2	139.3	94.2	145.3	201.3	189.9	240.7	205.9	195.7	2,165.1
1964	134.8	146.6	216.2	80.0	266.3	255.5	213.4	284.9	151,2	163.5	208.3	197.6	2,318.3
1965	211.7	185.9	284.5	198.0	241.3	236.3	83.2	279.2	262.4	230.9	173.5	209.5	2,596.4
1966	229.6	196.3	180.5	184.9	262.8	225.7	199.6	243.7	183.6	211.0	211.7	211.6	2,541.0
1967	220.2	169.0	202.8	163.0	260.0	246.6	192.1	264.4	197.2	228.1	149.1	213.6	2,506.1
1968	192.2	205.9	223.4	238.2	199.7	239.5	156.5	172.9	160.0	177.9	202.9	155.7	2,324.8
1969	147.4	133.4	202.6	188.0	248.5	225.3	161.9	224.6	150.5	243.1	190.8	195.9	2,312.0
1970	217.2	170.5	220.3	173.3	175.5	145.9	139.1	187.7	107.2	184.3	200.1	160.0	2,081.1
1971	194.1	163.1	195.3	226.4	234.0	130.1	177.1	196.7	151.0	191.3	202.3	187.2	2,248.6
1972	132.8	135.5	171.0	184.9	197.8	165.5	159.5	159.3	138.7	199.7	147.5	161.6	1,953.8
1973	139.8	149.3	176.7	117.0	200.4	188.7	229.4	216.6	149.4	150.3	202.4	233.3	2,153.3
1974	203.5	145.9	170.7	207.3	178.4	138.7	21.3	205.6	166.1	123.9	188.9	151.3	1,901.6
1975	184.7	170.1	225.3	181.3	212.2	171.8	180.3	258.9	148.8	154.3	150.4	219.1	2,257.2
1976	228.5	139.3	199.1	203.2	212.3	187.1	158.9	175.2	190.5	206.0	185.3	183.4	2,268.8
Ave.	191.1	171.5	197.6	184.3	213.3	175.1	148.3	208.3	161.7	196.0	184.0	192.9	2,224.0

Table B 9 Continued (5)

Gwang	յս (1952	-1976)										Una	it: hr.
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	170.5	152.7	186.7	200.1	225.8	233.8	208.9	214.9	172.8	239.1	164.9	170.0	2,340.2
1953	163.6	132.4	170.9	207.4	193.4	114.1	134.7	215.2	211.0	232.6	198.6	157.9	2,131.8
1954	129.5	168.5	255.4	237.6	214.2	177.7	134.7	230.5	187.1	230.4	206.5	159.4	2,331.5
1955	181.1	164.6	142.3	191.6	249.8	187.7	181.3	211.1	196.1	232.6	182.9	198.2	2,319.3
1956	190.8	201.7	125.1	217.8	216.3	150.1	191.6	199.3	159.4	218.3	186.7	150.7	2,207.8
1957	130.8	172.2	217.4	188.3	264.4	171.9	75.8	176.0	235.2	206.5	183.2	137.1	2,158.8
1958	157.0	179.5	197.0	167.9	230.5	242.7	174.0	155.4	170.9	153.5	179.4	.171.3	2,179.1
1959	132.3	121.3	215.6	208.8	211.8	183.1	179.4	248.0	133.2	270.2	185.4	140.1	2,229.2
1960	185.1	195.0	182.8	233.2	182.8	189.4	225.5	288.3	133.2	237.0	163.9	160.7	2,376.9
1961	196.8	213.6	224.5	267.9	232.4	170.3	189.7	183.2	194.4	237.4	173.3	188.6	2,472.1
1962	179.6	190.8	263.6	220.1	306.3	237.8	199.5	210.3	192.8	264.6	161.7	178.3	2,605.4
1963	178.1	218.6	239.1	121.2	145.3	127.8	147.3	227.0	210.3	254.8	173.1	156.3	2,198.9
1964	139.9	153.1	235.8	116.8	250.2	234.5	220.8	292.5	211.2	183.7	210.3	182.9	2,431.7
1965	181.5	177.3	283.6	252.0	253.4	233.8	97.0	226.4	290.9	236.5	150.6	159.1	2,542.1
1966	193.5	180.3	187.4	218.3	277.6	225.1	194.2	236.1	188.0	198.1	195.6	170.5	2,464.7
1967	177.1	171.0	197.1	177.1	268.8	221.2	166.9	256.9	239.5	261.7	126.1	140.7	2,404.1
1968	145.6	195.6	240.8	252.8	197.2	245.9	180.4	198.3	199.9	191.2	164.3	126.4	2,338.4
1969	121.1	128.2	204.2	177.0	268.2	244.9	165.8	216.2	150.5	254.9	164.7	148.8	2,244.5
1970	211.6	162.8	229.1	195.6	194.0	120.2	164.5	180.0	101.4	180.2	205.2	149.7	2,094.3
1971	159.5	129.5	188.3	240.9	239.3	141.4	171.3	180.2	167.0	216.1	190.3	163.6	2,187.4
1972	115.7	111.7	173.0	184.6	193.4	202.2	154.9	184.5	203.2	208.1	127.9	148.4	2,007.6
1973	150.1	134.6	225.4	211.6	214.8	219.9	248.9	246.9	206.5	194.4	198.7	161.7	2,413.5
19.74	195.6	141.3	179.8	209.7	221.4	234.8	85.2	241.5	213.0	168.9	161.4	108.4	2,161.0
1975	116.8	144.6	202.9	173.3	203.1	171.4	137.0	219.0	129.1	135.8	151.5	157.6	1,942.1
1976	163.4	146.7	217.1	199.7	218.3	155.3	147.2	170.0	200.6	166.4	136.1	126.9	2,047.7
Ave.	162.7	163.5	207.4	202.9	226.9	193.5	167.1	216.3	187.9	214.9	173.7	156.5	2,275.0

Table B 9 Continued (6)

Jeonj	ս (1952	-1976)	4								. :	Ŭn	it: hr.
Year	Jan.	Feb.	Mar.	Apr.	. May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1952	165.9	116.2	175.9	210.7	249.2	241.9	200.0	199.8	175.4	230.7	134.7	136.1	2,235.6
1953	159.1	124.0	197.3	255.0	247.9	115.3	154.1	186.2	217.6	224 0	186.8	146.2	2,213.3
1954	92.6	152.1	244.4	220.6	208.3	152.9	122.1	195.4	178.2	223.1	202.6	173.4	2,165.5
1955	159.6	168.3	171.3	196.7	255.9	215.8	160.2	230.2	221.4		164.8	168.9	2,345.3
1956	178.5	183.3	127.7	204.4	234.8	164.9	167.4	223.3	146.3	214.5	183.8	162.8	2,191.5
1957	125.1	160.0	190.2	189.6	251.2	185.1	71.5	202.8	261.7	212.2	207.0	150.9	2,207.0
1958	165.7	185.9	227.4	176.1	236.5	284.7	193.5	167.4	181.5	177.3		162.9	2,327.0
1959	164.7	129.7	212.8	189.3	245.1	214.0	179.6	212.6	119.6	267.9	168.9	131.2	2,236.2
1960	175.0	183.6	179.4	235.5	210.5	160.6	199.4		141.1	218.7	149.7	164.9	2,260.0
1961	166.5	193.3	197.2	220.0	183.4	147.5	146.2	180.6	167.6	201.5	126.5	163.7	2,094.0
1962	136.9	139.7	219.0	193.2	290.9	192.3	133.7	148.9	136.0	226.4	137.6	145.7	2,100.3
1963	133.7	191.9	219.0	111.2	154.2	125.8	104.4	174.3	208.8	233.0		111.4	1,907.3
1964	123.2	155.9	212.4	128.7	244.1	220.0	160.7	250.3	165.4	168.1	169.1	158.0	2,155.9
1965	160.9	174.8	257.1	223.7	234.8	221.1	87.8	185.4	261.9	214.1	126.9		2,295.2
1966	195.7	179.2	168.7	178.4	264.3	216.6	124.5	186.1	160.1	184.2	175.5	159.8	2,192.9
1967	166.7	149.4	174.9	157.4	264.0	188.0		198.4	195.3	220,2	126.0	126.7	2,120.9
1968	132.7	162.3		227.2	168.7	232.7	128.0	152.7	180.7	142.5	151.4	104.2	1,985.7
1969	107.6	121.2	184.5	163.6	230.0	232.4		197.1	154.8	230.2	140.7	131.6	2,023.1
1970	171.4	140.0	189.4	186.5	214.3	142.7	125.0	166.4	99.7	172.1	178.5		1,914.6
1971	124.0	114.2	177.7	228.0	221.8	151.2	151.5	187.1	181.7	229.2	177.8	143.9	2,088.0
1972	103.8	83.8	161.4	194,6	182.9	191.6	132.2	175.1	193.3		101.7	131.8	1,866.0
1973	105.5	141.7		209.3	224.2	186.2	226.1	238.3	203.9	192.9		142.9	2,263.6
1974	187.8	123.0	174.6	211.8	222.6	219.5	75.0	214.1	217.4	157.2	167.1	112.5	2,082.6
1975	154.6	153.8	214.2	183.9	232.0	182.2	143.8	245.2	160.2	161.1	161.3	1.0	2,153.8
1976	170.8	134.8	197.0	216.8	241.2	173.4	123.7	143.4	212.7	184.4	132.3	117.7	2,048.2
Ave.	149.1	150.5	196.2	196.2	228.5	190.3	143.8	196.1	181.7	205.3	157.7	143.0	2,140.0

Table B 10 DAILY RAINFALL RECORD IN 1967

Seoul.											Uni	է։ ատ
Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	1.5		<u></u> '	0.0	-	1.2	20.9	· —	· —	6.6	0.0	<del></del> .
2		0.3	-		_	****	17.2	0.0	40.4			0,0
3		0.1	49.3	7.3		3.7	0.6	4.4	52.9	_		0.2
4		0.0	2.9	0.3	_	0.2	0.0		1.9	<del>-</del>	· —	0.2
5		2.3							21.2		1.1	0.0
6	0.0		0.0			<del></del> .	0.1	0.8		5.5		_
7 ·	0.0	6.0		_	,		0.0	7.3	0.1	<del></del> .		_
8		***		21.4	1.4	0.0	. <del>-</del>		27.0		5.0	
9	-	-		1.6	1.0	17.2	***			_ <del></del>		–
10			0.0	9.3		0.1		38.0	0.2			0.0
11	0.0	-	0.7	_	_	1.2	0.0	2.3	0.5			
12	0.2		0.5	A	· —	2.0	40.1	5.0		13.4	1.8	0.2
13	$-\frac{1}{2}$			<del></del>	_		0.7	13.9	· -,	0.2	0.1	0.0
14	_'	0.0	<del>-</del> `	_			30.0	0.4	<del>-</del>	· <del></del>	2.3	7.2
15		0.0		_			0.1	23.5	~ur	<u> </u>	_	0.0
16	0.0	0.4	.· ·		-	1.0	0.2	45.9		-	. <del>-</del>	<del>-</del> .
17			_	0.0		11.6		_	-	<del></del> ,	<del></del>	_
18	_	***	0.0	·	. –	0.0	_	0.8	· -	_	. <del>-</del>	-
1.9	0.0	***		*****	_	13.7	5.9	2.9		_	3.9	0.4
20				16.0	_	35.9	96.2	_			5.9	0,0
21	_	0.4	0.0	0.0	_	_	22.9	_	4.6	0.8	_	****
22	· -	45.1	5.3	_	<del></del>	-	4.9	0.0	1.5	<b>-</b> ,	_	
23		-	_	_	0.8		25.0	17.2	7.8			· · · —
24	. —	_	<del></del>	0.0	_		_	·			. —	
25		. –		_	54.4	8.0		86.2	_	_		1.4
26	<del></del> .	_	24.6		2.0	· —	. <del>-</del> .	· ; <del>- , '</del>	-	<del>-</del>		0.0
27	4.9	_	1.7	11.4	0.0	7.8	17.9	0.1		_	22.0	
28	15.3	. <del>-</del>	-		-	31.7	0.5	5.5	. —		9.7	· —
29	2.8					_	0.6	7.0		0.0	0.8	_
30		_	3.2	26.0	_	0.0	_	-	<del></del>	0.0	0.7	
31			0.0		0.0	n	-	0.0				0.0
Total	24.7	5/ 6	88 2	03 3	50 6	135 3	283 8	261 9	158 1	26.5	53.5	9.6

Table B 10 Continued (2)

Chupun	igryeong	Ĺ									Uhi	t: mm
Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	5.4	_			_		_			_	1.3	
2	_		٠	0.4	· —		28.3		· · -	_	0.0	_
3			0.4	1.3			32.2		35.6	_		_
4	0.0	_	15.9	2.3			8.9	_	5.2	_	1.8	
5		0.0	<u></u>	. <u>-</u>		0.0	0.3		14.3	~-	9.6	0.0
6	_				1.4		15.0	0.4	2.7	2.0	_	
7	0.0	0.1	0.0	_	_		16.8	0.0	0.0	w		0.7
8	-	2.0		14.3	1.3	_	· _	0.0	31.1	<del></del> .	4.0	0.5
. 9	_	0.6		_	0.9	4.1	· <u> </u>	, <u></u>	0.0		_	
10	<del>-</del> .	<del>-</del> .		8.9	_	2.1			16.5		<del>-</del>	0.1
11	0.9	-		0.0		_	·	7.6	25.3		0.7	
12	0.0	-	<u>.</u>		:		-	_		19.2	2.7	_
13			_				24.1		_	1.0	_	_
14		_			:			7.5			1.3	2.0
15	<del>-</del> ,	0.4	0.4	1,.5	٠	<del></del>	5.5	41.7		_	·. <del></del>	0.0
¨ 16	_	1.5	_	0.6	_	0.2	3.4	0.6	-	_	_	_
17	0.2	0.0	11.6			16.0		18.0	0.0	_	٠	
18	`	· _	3.4	1.4	_	9.8					-	
19	_	_	_	32.9		19.0	_			· —	16.6	_
20						0.6	· <u> </u>		0.3	_	5.7	1.2
21	·	0.0	3.4		_	0.0	25.4	_		-	_	0.0
22		6.2	7.3	·	0.0	0.0	7.9	_	0.0	_	-	0.4
23			1.3	_	0.5		0.0		0.2		. —	
24	_	0.2	_	· _	0.0	0.5	_	0.0		-	-	
25		-	<u> </u>	_	2.6	22.3	<del>-</del>	1.4		<u></u>		<u> </u>
26			5.1	_	5.6	_	_	_	~~	2.4	_	0.0
27	8.7	0.0	2.8	13.0	-	21.2			<del></del>		24.4	
28	5.8	: <del></del> -	_	. –	· _	50.4	·	· _ ·		,	17.5	0.0
29	1.9	• -	· <u> </u>	_		0.0	<del></del>	38.2			0.5	0.0
30	0.0		13.8	1.2	٠ ــــ			32.8	<del>-</del> .	<del>-</del> :	1.1	
31	_		0.0	<u> </u>	<u> </u>	_	<del>-</del> .	1.1	_		—	1.7
Total	22.9	11.0	65.4	77.8	12.3	146.2	167.8	149.3	131.2	24.6	87.2	6.6

Table B 10 Continued (3)

											-,4	
Daegu											Uni	t: mm
Date	Jan,	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	3.4		_	_	_		4.4	***	_	0.2	2.8	
2				0.0	_		27.3	· <u></u>	0.3	_	0.6	
3						20.8	0.6		20.4	_	_	
4	. —		25.3			0.7	0.1	_	1.4		1.8	·
5			<u></u>			_	31.6	0.0	0.2		11.8	_
6			_	_	3.0	~~	19.1	3.8	3.6	17.3	_	
7		· <u>—</u>	_					5.5	2.7	8.9	_	0.0
8		5.2		25.4	1.4			<u>.</u>	71.0	_	7.6	_
9	-	3.9		0.1	6.1	1.9		_				_ '
10	<u> </u>	0.2		8.6		2.1	_	21.1	10.7			0.0
11	0.0	_		0.0	, mare	_	0.0		33.9	_	3.5	_
12	_		_		· <u> </u>	·	16.0		0.0	14.7	0.4	
13	_		_	~~	****	· _	0.1	0.0	-	0.3		-
14	. –	-	<del></del> .	.—			4.7	9.0	_	_ '	0.0	0.0
15		<u> </u>	0.2	1.0			1.9	48.5	0.4		′	
16		_		0.6		12.7	0.0	4.6	0.0	_		<del></del> .
17	<del></del>	0.6	13.0		-	15.8	_	7.4	0.3			_
18		<del></del> .	2.0	1.7	-	5.0	<del>-</del>		_	_	_	0.9
19				32.9		4.9		<u>:</u> ;	·		14.2	
20		_		_	_	0.0		0.0			4.2	1.4
21		3.4	1.9		<u> </u>	0.0	_	_	1.0	_	_	_
22	_	4.5	0.0	_	<u></u>	32.0	_	. —	. –	_		0.0
23	_		0.0	0.4	0.0	-	· —	_	0.6		-	
24	· —	4.8	. —	· .	_	0.2	_	1.6	0.3		_	_
25						48.1		0.0	_		_	
26	-		6.7	_	23.3		0.0	_		0.0		<del>-</del>
27	7.8	_	1.3	28.3	· —	21.0	-	· -	_		17.2	
28	14.1		<del>-</del>	_		21.3			. —	_	8.0	
29	1.3		_		_	0.0	0.0	9.7		-	2.7	_
30	0.4		7.3	0.3	٠ 🚤	0.3		8.3	_	_	0.3	
31	—	_			***	_	-	0.2		_		0.0
Total	27.0	22.6	57.7	99.3	33.8	186.8	105.8	119.7	146.8	41.4	68.0	2.3

Table B 10 Continued (4)

Pugas					•				i		Unit	ः काण
Busan Date	Jan.	Feb.	Mar.	Apr.	May_	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1.	1.9						9.3			0.9	0.5	
2			<b></b>	3.0		_	71.5				8.0	_
3.	***	0.0	_	_			12.7		50.9			_
4			16.8	0.4		0.0		_	32.2	_	1.7	
5		_	0.1	_	-		66.6		0.1	. <u></u>	7.8	_
6	0.0	<del></del>	<del></del>	_	13.4		10.5	_	0.7	2.8	_	<u>.</u>
7	_	0.7	_	-	<b>–</b> ,			0.0			_	0.0
8	. —	7.3		34.9	0.3	_	0.4	1.5	0.0	_	0.4	0.0
9		1.0	-		6.5	0.3	12.3	1.2	19.9		· <u> </u>	_
10	-	0.4	0.0	12.6		0.3	_	20.7	2.6	· –		
11	0.0	0.0	_	0.1	_		0.7	_	2.5		2.0	_
12			0.0		_	_	14.9		_	21.2	1.5	
13	· _		_	_			5.8	_		3.5	-	
14.	_			_	. —	_	2.2	1.7			_	0.
15			2.8	7.9			2.7				<u></u>	
16		_	0.0	0.0			0.4			<del>.</del>		
17	-	0.0	24.6	_	_		0.0	17.0	0.0		_	
18		-	3.4	12.7	_	_	_	_	_			5.
19		-	_	53.8	_	0.5	0.0	_			26.7	<u></u>
20			-	_	<u> </u>						8.5	
21		2.7	0.6	· 		_	0.0	_	<u>.</u>	· · -	<u> </u>	. –
22	-	25.8	0.0	_	_			_	0.0		<del> :</del>	_
23		0.0		0.0	_				0.4		· –	
24		2.6	:	_	<del></del>	7.0		0.2	1.2		0.0	_
25		0.0	29.9		<del>-</del>	90.4		<u> </u>	0.0			
26	. —	_	1.1	_	37.8		0.0	<del>-</del>	<del>-</del>	<b>.</b>		_
27	5.5	-		15.8	-	30.6		· · ·		0.0	8.6	-
28	20.2	· _		0.6		56.1		_	· —	-	9.7	
29	1.1		12.9		-	0.3	. —	5.4	. –	· · · -	3.7	-
30	0.0	-		2.0		0.0	_	4.9	<u> </u>	<del>-</del> .	1.6	-
31	<del>-</del>		_				<u>.</u> .	- :				
Total	28.7	40.5	92.2	143.8	58.0	185.5	210.0	52.4	110.0	28.4	80.7	6.

Table B 10 Continued (5)

							•				-	
Gurye											Unit	: 1111
Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1			-				54.6		_		10.3	
2.	_				_	_	1.2		. —	_		
3			45.8	2.0	_	6.8	2.2	_	20.6			•
.4	_		1.8				46.2	· •.	٠		10.5	_
5	·	4.8	-		2.0		1.0		2.0		3.2	
6		_			1.9			_	_	-	_	0.1
7	-	2.9	_	7.8		_	·	32.5	-		_	
8	· _	3.5		24.5	8.0		_		_		7.2	
9	_ ·	1.8		0.1	_	3.0		<del></del>	3.3	_		
10	_		· ,	10.1	<u></u> .			<u> </u>	7.9	<u></u>	·	-
11			Alrea	_	-		2.7		_	0.3	12.2	_
12		<u> </u>	_	_	_	_	· <u></u>		_	6.3	-	
13	_		<u> </u>			_	2.4	4.0			•	
14		_	0.3	1.0	_		39.5			-	0.8	1.2
15	-	•	· —	1.5			1.2	3.7				
16		1.4	0.2		_	<del>-</del>	2.8		0.7	_	·	<u></u>
17			21.0	·	_	28.3	٠		6.0		· —	_
18	. —	_		26.4	<del></del>			_		_		-
19	_	_	_	6.0	-	62.0	· —	-	_	_	38.4	-
20	-	0.8	4.0									0.1
21	_	3.8	1.6	_	<del>.</del>	: -	<del></del> ,	_	0.8	_	-	
22		20.2	0.3	_	3.3	41.8	_					_
23	_	_	0.4	· —	0.5	-	·. —	_		-		_
24	_	1.2	<u> </u>		<del>-</del>	70.1	_	21.2	-	_		
25		· <del>-</del> ·	0.8		25.5		. –	27.1	<u> </u>		2.1	
26		-	18.9	41.8	·	21.5	24.3	_			0.4	
27	22.3			2.0	_	63.2	9.3	: 		<del>-</del>	23.3	0.1
28	1.4		. <del>-</del>	_		. <del>"</del> -	· -	_	-	·		_
29			8.0	0.2	. —	3.6	: —	2.1				
30	_		4.1	<u> </u>	-	3.8		·	-	· <del></del>	7	-
31	<u>-</u> ·	· –	<del>.</del>	_		. <u> </u>	<u>:</u>					
Total	23.7	40.4	107 3	123.4	41.2	304.1	187.4	90.6	41.3	6.6	108.4	1.5

Table B 11 DAILY RAINFALL RECORD IN 1968

Seoul		•				•	. 1.			•	Unit	: mi
ate :	. Jan.	Feb	.Mar.	Apr.	May	June .	. July	Aug.	Sept.	.Oct.	Nov.	.Dec.
1	· –					0.7	0.0	0.0				_
2	0.5	0.0		_	12.7	2.2	0.2		<b></b> ,		_	0.0
3	0.0	0.0	_ :		0.0		46.5			- '	_	
4	0.0	<u> </u>	<del></del> . '	2.3	_		91.9		0.0	. —	0.0	0.0
5			12.9	0.3			0.0		100.0	. –	2.8	
6	_	_	·	· _	<del></del> .		0.0	20.2	0.1	0.5	0.5	
7	_	_	5.6	0.0		<b>–</b> .	16.0	2.7	0.1	33.9	-	_
8	, <del>-</del>	_	_	36.0	***	0.0	10.1	59.2		-	3.5	_
9		<del>-</del> .	. <del>-</del>	2.7		26.4	· · · —	<del>-</del>		1.1	0.3	_
10		0.0	_	_		7.8		0.0			0.0	1.2
11	_		_			_	8.0	. <u> </u>	٠ ـــ	-	. —	0.0
12	0.7	-	0.0	<del></del> ,	4.0	0.0	· _	•	10.1		-	0.0
13	8.1		-	_		0.0	· <del>-</del>	0.0		<u> </u>	1.2	0.1
14	1.8		<del></del> .			-	4.1	12.5				1.1
15	_	_	6.0	0.0		0.0	27.2	33.7			2.8	
16	0.0	_	_			0.0	43.0	12.5	. <u> </u>	6.7	2.2	_
17	_	<b>→</b>	-	_	0.4	0.0	44.1	1.0		16.5	_	_
18		1.3	·	_	20.4	-	21.2	0.0	· · ·	_	0.4	_
19			. —	_		· . — ·	51.9	0.7	2.0	0.0	2.5	_
20	-	0.0	0.0			3.6	42.7	47.2	12.8		-	5.4
21	—	0.3	0.8		.—	_	0.3	_	-	_	·. <u>-</u>	·
22	· —	0.9	-	_		_	-	23.8		-	_ `	1.9
23	0.0	0.0	- '	<del></del> ·	_	_	0.0	149.2	1.2	<b>-</b> '	- :	1.4
24	0.2	_			-		_			35.1		_
25				3.9	4.5					7.6	0.0	0.0
26	-		_		0.4	_	_	0.0		· —	27.0	· <del></del>
27	* - <u>-</u>	***	, <del></del>	_	11.0	:	5.2				10.4	
28	- :	8.0	· <del></del>		-	0.2	· — .	<del>- </del>		0.4	0.0	· –
29	0.0	2.0	3.8	<del></del> ··	0.0	0.2	·	<del>-</del>	·. — ,	: <del>-</del>	0.0	-
30	-	<del></del> .	_	_	0.0	<b>.</b> –		.   –		· <del></del>	0.6	
31	_		· —	_				0.0	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			
Total	11.3	12.5	29.1	45.2	53.4	41.1	412.4	362.8	126.3	101.8	54.2	11.

Table B 11 Continued (2)

Chupun	gryeong										Unit	t: mo
Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1		_	0.0	· ~~		9.4		31.7				
. 2	2.0	0.0	_	, <del></del>	10.1		2.2	1.0				0.3
3	0.0	0.0			1.1	_	10.7	_	_	15.3		
4		0.3	_	-			8.5	_	0.2		3.9	
5	, <del>-</del>		6.8	0.4			1.0	6.2	19.4		11.7	_
6	_	_	_		0.0	_	:	5.8		0.1	1.4	
7	0.0	0.0	5.6	0.0	_	-		2.0	0.0	54.3	·	. <del></del>
8	0.4	0.3	_	6.3	-	_	<u></u> .	27.6		_	0.4	_
9		_	•••	1.1		38.3		3.9		4.5	9.4	0.0
10		0.4	****	0.4	<del></del>	1.9	0.0			0.0	0.5	_
11		0.0	0.7	·	2.1		· · · ·	-	0.6	0.0	0.1	0.0
12			_	-	1.0	_			12.3	_	· · · · ·	0.3
13	3.3	_		-	0.0	_	-			_		0.0
14	1.4	_	_	_			64.5	1.3	_		_	4.0
15	_			<del>-</del>		_	56.7	41.7				0.0
16	_	-	3.2	0.2		. —	58.5	31.7	_	_	0.6	_
17		_	-	30.1	10.5			-	_	0.0		
18		0.8	_	1.8	15.2		3.3	<del>_</del> ·			_	0.0
19	_	1.6	0.7	*****	_	-	-	0.7	-		. —	
20	0.0	0.2	14.1	<u> </u>		0.1		6.4	16.0		9.9	2.0
21	0.0	1.0	_		<u> </u>		_		-	· —		-
. 22	0.0	0.7		_		2.9	_	2.6	_	-	· <u></u>	0.8
23	_	2.5	_					19.9			0.5	0.8
24	0.4	_	_	· —		_	_			7.2	1.5	
25	-			0.6	_ :	_				18.8		
26		_			4.7		_	0.0		· · . <del>_</del>		_
27	: · ·	<b>-</b>	-	_	4.6		· —	•		_	8.1	- '
28	·	2.2	_		_	. <del></del>	`	-	0.0	0.9	_	<del></del>
29	· -	2.3	6.3	_			3.6	· -	_	_	_	
30	—	<del>-</del>	9.5	-		· _	1.7	_	<del>-</del>	<del>-</del>	-	, —
31		<u> </u>	-				15.3					0.0
Tatal	7.5	12 3	46.9	40.9	49.3	52-6	226.0	182.5	48.3	101.1	48.0	8.2

Table B 11 Continued (3)

Daegu									•		Unit	: mm
Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Àug.	Sept.	Oct.	Nov.	Dec.
1		<b></b>				17.5	****	18.1	0.0			
2		<u>-</u>			2.0	0.5	10.0	1.8	_			
3	_	-			12.7	<del></del>	1.4			28.8		_
4	<b>–</b> ,	0.0					1.4	_	. <del>-</del>	***	6.0	
5		<u></u>	3.6	· ·			2.6	· . —	15.8		10.5	
6	_		i. — ·		_	_	0.9	3.8	0.2	0.0	0.5	· <u> </u>
7		-	1.5	0.0		_	1.4	7.8	0.0	22.0	_	-
8	<del></del> .		· <del>-</del>	8.0	_		0.0	16.8	_	_	_	
9		_		3.7		20.4		0.4		4.7	0.0	0.4
10		<b></b> .	<del></del>	3.9		0.4	4.4		0.0	0.0		
11	<del>-</del>	0.0	4.5	_	0.7			~~		· <del></del> .	·	_
12		. <del>-</del>		_	0.0	-	-	_	21.9	-		0.5
13	1.7		<del>_</del> ·	_		_	<del>-</del> ,		1.4	<del></del>	-	. <del>-</del>
14	1.2				<b>-</b> .	0.0	16.0	~		. —		2.4
15	<u></u>	0.0		0.0	<u> </u>		61.4	26.0	_		_	. <del>-</del>
16	_			4.5	_	_	47.4	170.0	_		<b>–</b>	
17	· <del></del>	_	_	13.1	10.6	0.0	<del></del>	_	-	_	_	
18.		0.0		2.9	6.1	_	0.4		_	_		1.1
19	_	0.0	0.0	· <del>_</del>		<b>-</b> ∔			_	_		_
20		· <u></u>	16.5					13.4	9.0		0.5	0.0
21			_	. –	_	-	_		. <b>–</b>	_	<u>:</u>	
22	_	0.5	<b>—</b> 1	_		3.4		1.2	· – .		0.3	0.4
23		0.5	~ ·	_	<del>-</del> .	_		28.2	_		<del>-</del> .	0.0
24	_	: —	· -	. <del></del>		_	-	0.7		7.6	1.4	••••
25			0.4	0.0	0.0	_			0.2	11.3	<u>- · · · · · · · · · · · · · · · · · · ·</u>	<u> </u>
26			_	0.6	0.0		-	0.0		. —		0.8
27	· <u>-</u> .		0.0	<del></del> .	0.0	_	0.0	_	1.8		2.5	
28	-	0.0		·	_	_	0.0			-	· -	_
29	-	5.0	0.8		<del>-</del>	_	20.1	_	_	- :-	· · · ·	
30	<del></del> ,		23.9	_		, <del></del> ,	20.4		_		.—	<b></b> *.
31				· -:	· ,		3.4	<del></del>			· <u> </u>	
Total	2.9	6.0	51.2	36.7	32.1	42.2	191.2	288.2	50.3	74.4	21.7	5.6

Table B 11 Continued (4)

Busan											Unit	: 1000
Da te	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	_	_	-		_	2.3	0.0	16.2	<del>- 10</del>	_		
2	<u> </u>		_		3.6	1.7	10.1	21.8				0.0
3		0.0			3.2		2.6	0.3	0.7	61.8		
4	: _	_	_	<del></del>		_	1.4	0.0	0.0	0.2	0.4	6.5
5			2.6	0.0			8.9	0.1	1.4		7.4	
6	3.7	_		_	0.2	_	0.0	3.0	12.2	10.4		
7		_	3.2	0.0	0.9	_		10.9	_	13.9		_
8			0.6	3.5				21.5				0.0
9	.–	·		17.1	· —	12.3	_	31.6	_	0.7	0.0	6.8
10				6.0	. <del>-</del>	1.3	_		_			
11	_		19.7	_	19.6				0.8	<del>-</del>	-	_
12				_	18.7	· _		_	26.4		_	6.
13	2.2	_	٠			٠ _	_		13.8	_	· <u> </u>	0.0
14	0.0	_	_	<u></u> :	_	0.6	13.4	-	_	_		7.
15	~~	1.7		0.0	<del></del> .	0.1	7.9	2.0				
16		_	0.6	4.0	· · -	*****	63.9	111.8	_		-	_
17			_	10.2	6.0	_	1.8		<del></del>			
18			_	2.6	74.6		3.1	_	· ,	_		3.
19	_	0.0	<b>→</b>	_	-	-	0.6	1.5	0.0	:		_
20	·	0.0	28.7					39.6	18.6		15.0	<u> </u>
21	_		0.0		<del>-</del>	<del></del>		42.5		_		_
22			_	_	_	_	_	5.9		<b>–</b> .		0.
23	_	0.0	_	_	<del>-</del>	-	-	31.6	-	_	· <u></u>	-
24	_				_	_	-	6.3	0.2	17.5	13.6	
25	·	·	0.3		8.4		_		13.8	0.0		. –
26			0.0	7.9	0.2			· –	_	_		9.
27				-	0.0		3.7	ــنــ			10.8	-
28	<u></u>			_	·		0.0	1.0	-	0.0	· ·	
29	1.8	12.7	4.0	<u>~</u>	_	-	51.0	,-	4.4	· _	<del>-</del> .	–
30	٠		19.3				0.0	_	2.4	<del></del>		_
31		. —		<u> </u>		_	52.7					
Total	7.7	14.4	79.0	51.3	135.4	18.3	221.1	347.6	94.7	104.5	47.2	40.

Table B 11 Continued (5)

Gurye											Unit	: ton
Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	_	·	_	_		2.8	9.2	50.5	-		<del></del>	_
2	· –		_		11.2		1.5	·	<u></u> ·	8.9		2.0
3	_		<u></u>	· ·	26.9	-				3.6		
4			6.5		-	<del>-</del>	1.4	****	_	· <u> </u>	6.1	0.6
5	_	<u>.</u>		<del>-</del> .		_	3.3	1.6	46.9	8.4	3.0	
6	<b></b> .		2.3	**	1.7	_		20.9	·	28.3		1.6
7	-	<u>-</u>	6.1	0.9		<u>.</u>		14.7	_	36.5	-	-
8	-	-		12.6		٠	_	17.7			4.5	
9	-			· —.	_	77.2	-	_		7.6	2.6	
10			. — .	1.9	0.4	_	<u>.                                    </u>	0.9			1.3	<u> </u>
11			9.8	_	<b></b> .	_	1.4	· <u> </u>	· . <u></u> ' .	· -		4.2
12	4.8	<u>-</u>			0.9	_	-	14 <del></del>	17.9		_	0.4
13	_	_	_	<u></u> ,		· _ ·	1.2		· ·	. —	-	2.5
14		<u>.</u>	-		<u> </u>		12.3	_	-	. <del>-</del>	_	0.6
15				4.5		4.	11.1	209.1				0.5
16	_		_	12.1	· -		***	25.6	_	-	· _	<del></del>
17	_	_	· -	11.1	11.2	_ · ·	0.3	· _				
18	_	· <u> </u>	_	0.3	4.8			1.3		_		4.0
19		·	12.7	-		_	_	, <b>–</b>	25.6	_		
20			· <del>-</del>			4.3		19.9	<u></u>		8.4	2.4
21		-	- ·	· · · -	·	10.4		· —	· · ·			0.2
22	· <u>-</u> ·	·		·	_	10.3	_	2.4		· _		0.0
23	_		. —			-		32.7	_	15.2	12.1	0.0
24		- <u>-</u> .	<del></del> ·	-		· _		· .—	-	19.6	_	-
25	<del>-</del> ·		0.4	1.7	1.1	_	-	<del>-</del> -		0.4		8.1
26	-	_	: _		_	<del></del>	· _	, <del></del>	· <u> </u>		7.9	
27			, <del>-</del>		7.2	· -	1.1	. <del>-</del>	·	1.1	_	
28	_	6.5	· ·		_		_	- <del>-</del> -	. <del>-</del>	-	<b>-</b>	_
29	_	_	38.5	_			-		· <del>-</del>	<del>-</del>		-
30	· <del></del>	· —	, . <del>_</del>	·	· _	· · ·	. —		_		<del>-</del>	
31		: · <u> </u>		_		_	<del> </del>			_		0.0
Total	4.8	6.5	76.3	45.1	65.4	105.0	42.8	397.3	90.4	129.6	45.9	27.1

Table B 12 ANNUAL PRECIPITATION

		<del></del>	2-19	<u>`</u>		<del></del>									Unitime	
Biations	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1973	1973	1974	1975	1976	Mean
Beout	986.1	1,626.6	1.793,9	1,216.3	3,018.8	1,348.8	1,286.2	1,736.0	1,708.2	1,359.1	1,769.6	938.1	1,258.7	1,067.4	1,109.5	1,407.3
Glmpa	-	1,459.6	1,571.0	1,356.3	1,734.4	931.3	1,000.7	1,691.8	1,660.3	960,3	1,659.0		998.2	999,0		1,304.0
Nammyeon	•	1,575.0	1,947.8	1,237.3	1,579.6	751.7	1,170.0	1,304.5	1,612.0	1,097.8	1,758.6	1,043.6	1,280.6	969.6	1,103.4	1,338.1
Euljerngbu	1,279.8	1,964.6	2,067.7	1,520.8	2,053,4	1,524.4	1,436.7	1,746.7	1,978.0	1,178.8	1,285.3	931.4	963.4	971.1	-	1,493.0
Nagsaeng		•	1,974.6	1,335,4	1,249.8	867.1	B12.1	1,238.3	1,461.1	-	-	937.4	-	-	-	1,237.1
Nasil	-	-	3,168.6	1,419.0	1,877.0	-	862.8	1,554.9	1,018.6	-	-	-	-	904.5	777.8	1,326.8
Jeumgog		-	-	1,335.7	1,183.2	-	1,454.2	1,080.3	1,686.3	860.4	-	1,118.7	1,188.7	1,274.7	*	1.245.8
Goan	-	1,342.9	-	885.9	1,483.8	1,261.2	943.4	1,116.3	1,525.9	1,414.1	1,760.5	-	952.0	1,137.0	774.3	1,224.8
Namhansan	-		-	-	-	1,042.8	1,042,9	1,445.8	1,803.7	1,299.3	1,928.6	1,032.4	-	-	_	1,369.3
Gwanju	1,467.3	1,471.3	3,196.3	1,480.5	1,699.7	1,195.7	1,584,1	1,344.3	1,648.3	1,048.8	1,733.0	1,171.3	1,020.3	1,019.1	908.6	1,399.2
Mohyeon	-	-	-	-		-	1,188.9	1,246.2	1,587.1	1,232.4	1,703.2	-	1,349.8	1,226.0	1,370.6	1,362.9
Pogog	-	-	-	-	-		1,562.4	1,354.8	1,659.5	1,173.2	1,793.4	1,154.6	1,210.7	1,103.6	1,423 2	1,373,9
Yongin	867.7	1,236.4	1,071.6	1,088.0	1,547.7	1,173.3	1,293.8	1,375,9	1,535.5	1,232.6	1,780.4	957.7	1,214.6	1,004.4	985.1	1,284.4
Uohag	-	-	-	-	-	-	1,067.8	1,261.1	1,716.5	1,221.6	2,102.3	923.5	1,141.6	684.7	1,158.1	1,286.7
Yangji	-	: -	-	-	-	1,101.1	1,395.0	2,091.8	1,472.6	1,174.6	1,539.5	-	_	893.4	1,488.2	1,391.5
Yangayeong	-	1,632.2	2,246.1	1,484.2	3,000.2	1,265.5	1,569.5	2,465.5	1,659.1	1,297.0	1,593.3	1,051.8	1.189.4	1,275.7	1,053.7	1,555.0
Cheongun	-	-			2,059.2	1,115.5	1,562.2	1,943.8	-	-	_		_	1,324.7		1,583.3
Yangdong	-	1,559.7	3,311.3	1,137.2	1,901.5	1,176.2	1,227.1	1,259.6	1,469.6	1,036.6	1.442.8	1,037.4	_	1,302.4	_	1,109.3
[cheon	1,204.6	1,453.0	1,389.9	1,078.4	1,410.7	1,128.8	1,234.5	1.482.9	1.589.9	1,396.3	1,660.1	1.211.4	1.182.7	1,228.0	1,234.9	1,325.8
Yeoju	-	1,369.2	2,077.6		1,493.6	910.9	1,081.3	1,578.1	1,406.9	1,197.2	1,436.8	-		1,325.4	1,040.6	1,319.8
Saenggeug	-	_		1,122.1	1,116.3	948.5	870.2	1,233.3	1,178.9	1,301.8	1,549.6	1,196.9	1,195.9	1,238.0	773.6	1,143.1
Weonsam	-	1,473.4	2,321.9	1,211.3	1,673.3	1,240.1	1,257.4	1,537.4	1,562.5	1,326.0	1,826.0	964-1	962.5	-,	1,345.5	1,449.9
Ganhyeon	-	-		-	-	806.9	1,118.3	1,509.0	1,300.5	1,355.4	1,568.0	1,050.9	890.8	1,360.5	1,261.0	1,232.2
Weonlu	_	1,418.0	1,990.2	1,131.7	1,345.8	923.5	770.6	1,526.1	1,167,1		1,162.8	-,	994.9	954.2	1,223.6	1,217.3
Hoengaeong	_	1,537.2	2,039.0	1,022.6	1,913.9	1,028.0	1,170,4	1.513.9	1,313.6	1,342.7	1,686.7	960.1	1,280.8	1,179.3	1,149.2	1.367.0
Cheongil	_	2,215.3	2,257.2	1,417.7	1,929.8	900.3	1,260.8	2,034.4	1,558.5	1,393.6	1,667.2	1,065.8	1,310.3	1,077.2	1,254.4	•
Buron	-	1,316.6	1,825.9	915.6	1,280.6	941.3	792.7	1,318.9	1,214.5	966.7	1,663.9	838.6	1,093.3	1,311.1	1,401.1	1,525.6
Moggye	_	1.231.2	1,664.3	951.1	1,066.9	926.4		1,423.1	1,365.6	1,031.9	1.448.0	737.1		1,033.8		
Chungju	824.9	997.7	1,679.2	957.1	1,005.1	851.9	609.1	1,344.4	1,137.5	1,006.2	1,367.6	879.2	1,180.1		842.8	1,150.3
Goesan	_	-	-,0.,	1,001.2	1,023.8	941.4	865.5	1,565.3	1,412.4	1.194.2	1,136.3	898.6	1,067.9	1,171.0	1,069.3	1,064.8
Sangrino	_ '	926.1	1,027.3	1,062.6	1,003.2	1,931.2	909.9	994.3	1,141.2	758.2	1,261,4	494.6		1,217.3	1,205.1	1,127.4
Yeonpung	_	_	1,508.7	1,174.7	1,291.7	1,145.7	938.9	1,591.7	,	1,170,9		-	922.7	1,097.6	904.5	1,003.2
Cheongcheon	848.8	1,273.3	1,556.8	1,325.6	1,194.3	913.9	623.4	1,357.0	1,248.6		1,505.3	877.2	1,041.6	1,435.4	1,193.1	1,249.7
Вавдин	1.201.4	1,438.4	2,166.7	1.213.8	1,454.0	1,155.5	961.6	1.637.4	1,349.6	1,142.0	1,523.0	1,192.3	1,028.7	809.3	720.2	1,141.7
Cheongpung	-,		1,718.0	876.5	1,268.7	819.4		-	1,470.1	1,274.6	1,674.3	-	1,044.1	•	1,105.0	1,374.8
Danyang	781.5	974.1	1,145.0	897.4	1,165.4	672.2	585.0	968.6	1,059.9	825.1		1.50	-		-	1,027.9
Yeongchun	101.5	925.5	1,426.0	930.5				1.260.7	1,167.0	790.9	1,206.2	931.6	-	1,191.8	1,054.9	994.3
Sangdong	1,169.0	1.185.7	1,559.4		1,278.4	689.6	1,050.2	1,149,4	1,178.7	695.3	1,331.0	825.8		1,125.8	-	1,058.9
Yeongweol	940.6	1,213.5	•	947.8	1,236.5	771.1	769.5	1,138.1	1,276.4	996.4	1,617.0	813.5	1,061.0	1,235.1	~	1,126.3
reorgaeor Suja	340.0	1,213.5	1,760.3	932.2	1,169.3	814.2	827.7	1,098.2	1,095.5	856.0	1,234.8	863.3	951.1	-	-	1,058.2
	_	1,527.6	2,018.1	1,101.1	1,410.0	1,135.6	902,4	1,297.2	1,311.1	1.099.8	1,215.4	1,183.7	-	-	681.6	1,228.4
Pytongchang Bangrim	-	1,221.6	1,832.9	1,095.6	1,715.9	1,019.4	1,075.2		1.351.7	-	7	1,003.8		1,202.5	1,059.3	1,300.1
Daepwa Daepwa		-	•		1,564.4	1,172.9	1,114.8		1 1	1,051,2	1,307.2	-		1,049.9	821.9	1,253.5
Bongoyeong	_	1,722,5	2,117.5	-		1,158.8	1,126.3	1	1,132.6	1,062.9	1,198.6	848.9	-	1,119.3	881.0	1,103.1
	-				2,233.8	1,154.3	1,042.8	1,503.3	1,375.3	630.3	1,825.0	730.D	655.9	1,059.0	686.4	1,301.2
Janugseon Jinbu		1,250.9	1,861.6	1,065.8 860.1	1,317.9	957.3	978.4	1,429.4	1,213.6	1,073.9	1,384.5	764.0	1,084.7	1,291.5	1,174.9	1,205.2
	927.4		,		1,793.0	1,076.2	1.035.0	1,302.4	970.8	940.6	-	680.9	-	-	1,008.8	1,112.4
(mgye	921.4	1,173.8	1,677.7	1,165.1	1,283.8	679.0	999.4	1,232.3	1,181.1	991.4	1,543.3	-	936.2	1,200.0	1,053.8	1,160.3
iamyeon		_	2,060.4	1,554.0	1,981.5	1,481.8	1,320.7	1,406.9	1,981.5	1,318.5	1,800.3	-	1,092.5	-	-	1,599.8
Saomyeon	•	-					· -	1,092.2		751.0	-	-	-		-	921.6
iongoteon		-	1,749.4	674.4	1,678.0	1,124.0		1,406.9	-	1 1	1,489.0	955.5	1,137.3	1,233.0	1,239.5	1,273.5
Juction	1,217.9	-	2,524.0	1,491.5	1,720.6	1,000.9	1,144.6	1,327.4	1,555.8	1,089.2	1,2\$5,8	: -	-	1,129.1	868.7	1,359.5
4section			2,613.6	1,521.0	1,428.2	969.2	-		1,679.2	1,031.8	1,336.7	793.4	1,132.5	- ".	1,007.6	1,316.7
lenseog	1,159.7	1,686.5	1,954.0	1,207.2			**				1,582.8	932.3	-		1,197.5	1,374.4
3epyeong	-		-	1,503.1	2,055.6		1,371.3			1,256.8	1,826.5		-	1,341.2	-	1,559.4
Supyrong	-	1,378.2	-	1,329.6	1,924.0		1,316.7		1,315.0	-	1 -	1,031.5	1,228.8	-	- '	1,354.1
aje			1,353,9	1,074.6	1,688.2		1,172.1	1,141.5	1,061.2	-	1,245.3	719.0	982.0	1,161.8	1,008.1	1,134.3
eohwa	-	1,252.6	1,733.0	1,062.1	1,500.5	1,063.4	1,389.5	1,245.6	1,212.1	1,054.1	1,137.8	-	-	-	- '	1,256.2
ongrizers	-	-	-	-	7	1,028.0	1,077.1	1,148.0	1,214.1	1,102.0	1,981.6	939,0	694.0	740.1	866.9	1,078.8
itta	-	1,272.8	1,635.7	1,092.5	1,593.6	918.8	1,089.8	1,409.8	969.8	1,119.2	849,9	-	-	-	-	1,195.1
hangchon	-			1,333.5	2,168.3	867.1	955.7	1,862.5	010.1	671.3	1,523.0	-	-	-	-	1,363.2
ense .	-	1,613.4	2,123.9		1,359.1	883.8	884.9	1,611.8	1,647.9	-	-	1,638.0	-	-	767.3	1,337.0
watchoos	-	1,488.3	1,681.4	1,270.4	1,745.6	1,180.0	1,136.7		1,457.5	1,144.1	1,311.8	-	1,294.2	1,045,1	- '	1,374.6
angseo	-	1.768.0	2,334.9	1,631.8	2,072.2	1,112.7	1,133.9	1,764.3	1,365.0		-	1,248,7	1,248.4	1,283.5	1,249.5	1,519.3
angean.	-	1,248.7	1,868.5	1,257.1	1,527.7	1.028.2	1,243.0	1,478.9	1,155.0	814.4	-	525.0	767.5	804.4	978-1	1,130.5
	-	-		-	-	-	-	1,329.2	875.9	1,134.9	1,028.6	-	-	-	938.1	1,069.5
	1,085.0	1,632.0	1,871.6	1,490.7	1,973.1	1,191.0	1,155.6	1,410.3	1,461.0		1,551.6	984.8	1,102.7	1,300.5	1,071.9	1,372.7
cenggge			_			1,297.4	1,247.4	1,871.5	1,585.8		-	· _	-	-		1,500.5
oenggye buncheon	-	-														
oenggye huncheon nagnam	-	1,287.4	2,002.3	1,004.1	1,447.7	937.8	1,240.5	1,306.9	1,543.2	1,017.2	1,655.4	8.6.8	1,194.9	917.0	1.025.4	1,250.0
oenggye huncheon nugnam inwi nacong			2,002.3 1,925.7		1,447.7 1,138.0						1,655.4		1,194.9		1,025.4	1,250.0
cenggye huncheon huguam huguam								1,306.9		1,200.0	1,655.4	833.0	1,194.9	995.1	1,034.9	1,148.3
oenggye huncheon angnam inwi asoong ogrisan	- 983.4	1,235.4	1,925.7	897.5	1.139.0	941,4	1,006.1	1,366.0							1,034.9 861.2	1,148.3 898.2
oenggye huncheon huguam inwi nxeong	- 983.4	1,235.4		897.5	1.139.0	941,4		1,366.0				833.0		995.1	1,034.9	1,148.3

Table B 12 Continued (2)

	<u> </u>		1962				<del></del>									
Stations	1962	1963	1964	1955	1966	1967	1988	1969	1970	1971	1972	1973	1974	1975	1976	Moa
Sangbug	_	1,849.	3 1,083.	1 1 470 1	7 1,129.3	1 001 6	1 023 3	1,770.6	1,971.2	1,017.7	2,099.9	929.6	1,810.8	1 540 0	^^^	
Milyung	1,002.						1,019.1			947.2		947.5			973.9 1,004.4	1,39
Sannaa	-114421	1.584.				1,028.5				975.4		945.4			885.8	1,23
Geumchaon	_	.,		- 1,210			939.9			31314						1,27
Jamua .	•	1,389.	5 886.	9 1.299.5		794.2					1,314.8	925.8			917.8	1,13
	-			,	-,		865.1			714.8	1,435.4	922.5	1,111.6	1,165.4	969.8	1,12
reongean		1.265.				840.5	1,658.7			785.5	-	840,1		1,130.6	644.8	1,076
linju	1,365.1	1,775.	982.	4 1.309.3			952.0	-		1,172.0		1,155.2	1,650.8	1,704.0	1,120.7	1,40
bugog	-	•	-	-	1,183.9	1,141.7	960.9	2,138.1	2,165.9	1,175.4	2,176.2	1,254.5	1,773.3	1,950.4	1,144,5	1,55
(xesu														1,551.0	-	
il chaon	1,730.4	1,651.	1,452.	4 1,585.3	1,879.5	1,215.2	937.4	-	2,165.7	1,449.1	2,340.1					1,651
(frisan	-	-	-	-	1,810.2	1,250.2	1,220.8	3,010.7	2,538.5	1,739.3	2,375.4	1,051,0	1,585.3	1,521.6	1,173.0	1,75
Veonji	-	_		1,205.9	1,689.2	1,072.9	765.1	1,744.6	1,958.5	1,245.0	1,789.0	-		-		1,43
amga	-	1,410.3	1,017.	3 1,243.8	1,477.6	818.7	1,037.8	1,409.3	1,807.4	939.9	1,672.9	1,373.8	1,442.3	_	973.9	1,27
hahwang	_	-	-	_	1,424.4	913.7	1,200.5	1.783.1	1,706,3	1,204.3	1,702.0	1,268.2	1,508.6	1,624.6	1,055.0	1.39
ancheong	2,023.0	1,652.5	1.334.3	3 1,227.4	1,485.4	822.9	1,230.8		1,681.1	1,199.4	1,718.6		-	*,02110	-	1,48
Incheon		1,556.8				1,076.5	962.1	2,050.1				1 400 0	1 022 5			
amyang	1,275.4								1,627.1	1,224.8	2,092.6	1,480,9	1,833.5	1,722.0	1,120.3	1,53
-	•	1,316.2			-	993.0	1,016.1	1,855.5	1,478.6	1,157.8	1,781.0	1,158.1	1,584.8	1,485.7	902.2	1,32
nbong	1,145.8	-,		-		893.4	879.4	1,749.8	1,388.1	1,213.2		1,225.9	1,278.4	1,559.8	1,222.2	1,34
neui	-	1,333.2			-	.973.7	1,017.4	1,734.9	1,385,2	1,051.3	1,633.0	1,202.4		1,518.3	855.9	1,270
osang	-	1,274.4			-	983.0	961.6	1,686.4	1,250.0	1,216.0	1,680.8	1,095,2	1,448.9	-	960,3	1,25
hanguyeong	951.1		897.4	1,181.3		970.3	1,051.3	1,469.2	1,701.8	878.3	1,518.7	1,009.7	1,230.0	1,070.6	749.3	1,13
nban	-	1,526.1	928.2	1,279,3	1,135.9	1,049.0	1,192.7	1,665.4	1,732.8	701.6	1,464.5	1,281.0	1,222.5	1,585.3	942.9	1,25
tocheon	-	1,376.1	953.9	1,198.2	1,307.7	854.7	861.6	1,885.1	1,638.9	966.8	1,431.8	1,170.2	1,374.1	1,312.9	887.6	1.23
algye	-	1,559.4	1,379.1	1,320.7	1,564.1	1,015.3	983.0	1,788.1	1,300.7	1,283.5	1,643.4	1,335.2	_	1,448.5	1,049.2	1,36
gyang	-	-	-	-	1,490.4	850.0	1,056.6	1,206.2	1,343.3	1,186.8		715.9		1,004.1	584.9	1,04
ryeong	-	1,251.7	1,116.1	1,083.0	1,001.0	987.9	1,168.3	1.582.2	1,536.3	1,044.7	1,478.2	1,199.0	1,348.3	1,258.9	844.6	1,20
t <sup>t</sup> ro	_	1,320,8			1,181,4	995.4	1.247.1	1,654.7	1,885.0	899.9	1,698.0	1,245.1	1,310.3			
:In	_		-,	1,226.2	979.8	919.8	1,100.4					1.015.7		1,318.2	898.9	1,24
eongeheon		1.165.4	952.8				-,	1,340.1	1,343.9	808.2	1,286.5	2,1101.	970.2	824.3	-	1,06
iryeong	•	1,123.8	1.041.0		936.4	804.4	727.0	1,247.6	1,357.5	801.3	1,209.6	877.6	1,064.9	1,229.6	787.4	1.02
	-	- 5,			911.4	883.6	867.6	1,328.9	1,303.3	842.0	1,537,9	969.9	1,184.7	1,331.3	923.8	1.08
gjang	-	1,159.0	1,050.0		1,097.7	879.5	924.6	1,296.2	1,648.9	1,057.7	1,400.5	1,065.3	1,372.9	1,215.9	1,112.2	1,17
tegwan	-	-	1,057.9	1,086.8	1,063.9	799.0	769.1	1,205,9	1,177.0	732.5	1,084.9	920.0	1,031.1	-	657.0	96
ngchoon	-	906.6		996.3		-		1,290.6	1,330.3	753.3	1,158.0	795.7	-	918.0	747.2	98:
mcheon	-	-	1,069.6	922.8	922.2	849.1	772.4	1,430,2	-	874.4	1,410.6	667.6	727.4	1,598.8	917.8	1,036
rye	-	-	1,303.3	1,014.3	1,177.2	874.4	906.0	1,624.6	1,053.1	923.1	1,203.5		1,113.1	_	679.5	1,07
hang	-	1,408.1	1,415.0	945.7	1,301.1	786.7	678.2	1,389.2	1,312.0	901.5	1,321.6	1,008.1	1,191.7	1,312,8	-	1,15
(E)/o	797.7	954.8	175.3	1,018.8	1,010.5	804.1	841.7	1,149.1	1,179.9	846.1	993.8	753.8		-,	_	\$10
unwi		_	806.6	950.3	997.6	852.8	652.3	1,178.4	1,182.5	753.5	1,097.3	970.0		1,285.0		
acong	807.2	1.064.3	1,011.3		921.0	848.4	596.7	1,210.5	1,361.9	779.2	1.219.9			-	695.4	951
ngju		992.6	1,324.0		1,072,0	1,127.7	790.0	1,198.0				802.4	985.9	1,146.4	833.6	96
omoboa	951.2	1,121.7	1,401,7	996.4	1.147.2	-			1,321.0	1,068.1	1,188.4	843.1	1,032.9	1,171.3	647.8	1,059
	1.156.8					1,064.9	1,004.1	1,416.5	1,389.8		1,252.6	890.8	1,193.9	1,199.2	985, 1	1,146
utsa	1,156.8	1,364.5	1,689.0	-	1,393.3	1,072.4	1.090.1	1,858.0	1,191.8	1,301.8	1,624.6	1,011.9	1,135.7	1,352.2	816.7	1,281
ngro	-	1,316.5	1,170.5		1,252,3	1,019.3	910.4	1,438.0	1,422.9	1,175.3	1,395.4	1,105.7	1,454,4	1,437.7	1,451,5	1,259
×		1,028.1	1,843.9	775.8	1,177.9	740,2	719.2	1,461.3	1,298.1	1,102,8	1,358.5	-	1,030.3	1,112.5	-	1,137
ig	-	-	1,395.5	899.6	925.8	711.6	709.0	1,108.1	1,303.2	856.4	1,246.6	905.2	1,069.8	1,137.0	902.7	1,013
dong	995.0	1,113.1	1,103.7	816.7	835.5	751.3	786.7	978.9	1,007.9	756.8	1,143.6	781.1	843.1	1,205.4	820.4	921
esan	-	1,264.8	1,221,9	921.4	894.6	727.8	914.9	1,084.5	1,150.2	784.9	_	618.8	847.2		852.9	949
eondong		820.2	163,4	664.9	890.9	836,3	789.5	952.9	771.8	686.3	1,134.5	_	-		818.2	821
lan	-	-	-	938.1	842.1	626.8	601.6	1.344.4	1,227.3	701.5	1,182.6	768.2	1,031.4	1,258.5		
eonseo	865.3	1.045.3	990.5	959.4	1,035.2	932.9	839.3	1.194.8	1,376.5	785.8	1.263.3			- 1	873.5	942
songsong	730,4	1,157.1	1,014.4	1,001.7	1	869.0	730.5	1,229.9	1,213.2			972.2	1,105.4	1,286.1	1,647.3	1,046
ıım.	_	999.5	987.0	908.5	1.057.5	607.8		1.071.6		789.3	1,325.0	792.8	931.5	1,103.2	890.7	984
ongoung			1,073.6	914.3	+		706.7		1,291.1	818.5	1,446.3		1,056.4	951.9	935.5	975
						913.3	826.5	1,307.0	1,336.8	948.8	1,206.6	815.4	981.4	1,196.4	1,018.1	1,654
xıgju	803.6	1,066.1	1,431.6	1,040.9	880.1	628.3	881.3	1,374.0	1,345.9	990.5	1,450.8	937.7	1,231.9	1,326.8	937.8	1,103
eog	1,022.4	1,304.9	1,107.4	924.1	1.030.1	875.2	690.7	1.033.5	1,480.0	1,084.9	1,524.4	1,043.8	1.237.2	926.4	883.1	1,084
LT.	-	-			= ;	-	772,2	1,054.1	907.9	912.1	1,069.9	777.B	971.6	543.5	844.7	872
gdong		-	-	-	-	-	703,5	1,013.3	1,025.8	864.2	1,153.9	798.5	1,048.6	1,191,2	890.6	965
śl	-	-		-		-	-	1,917.5	1,056.8	914.5	1,266.3	834.9	859.5	951.9	813.3	964
heon	÷ .	-	-	-	-	-	885.5	1,317,5	1,316.1	854.0	1,135.6	729.1		1,354.8		
ghyaon	-	-	-	-			_	1,417.6			1,978.4	814.7		1,334.9		1,071
abwaeryong	-	-	_	-	ż	_	_	-		1,014.7	-	U47.1	1 202 0			1,341
E, bo			_	<b>-</b>		_		1,013.1	1,196,4	-1~***			1,328.8	1,290.0		1,145
agji	_			_	_			.,013.1			841.5	<u>-</u>	-	'	-	989
an .	1,235,4	2,142.8	1,130.6	1,498.4	1,062.0	1.000.0						1,120.0	252.6	<del>-</del> .	737.9	1,237
	.,	3,175.0							2,138.1	1,069.5			1,707.6	1,550.1	972.6	1,446
chang		-	1,135.6	1,171.8	1,304.4	1,100.4	978,9	2,099.5	-	-	1,534.2	1,167.0	1.406.9	1,550.0	889.1	1,303
	- '	-	-		-	-		-		-	- 1	793.4	-	1,069.7	857.3	906
rit 60	-	-	-			-	-	-	-	-	1,442.3		1,126.0			1,139
eo	-	1,230.0	1,140.0	1,115,7	1,207.6	1,007.0	969.5	1,658.4	1,446.5		1,374.3	_		1,196.4		
oog	-			-	_	-	-	-			1,230.3	-	- 1-5	.,,,,,,,		1,187
0	-	·	1,039.2			_		-			1,239.3	-			* .	1,230
vgyr:	-	_			-	_	221 0					829.1	1,030.3	1,080.9		934
r. L	1 001 9	1 749 4	1 000 0	1 000	-				1,160.3	971.2	883.8		.7 :			1,044.
	1,001.8	1,248.4	1,099.2	1,004.1	715.1	788.1	800.1	1,197.3	1,198.9	828.4	1,119.9	671.6	-	-	879.3	965.

Seomjin River (1962-1976)

															Unit:	t: .mm
Stations	1962	1963	1964	1965	1966	1967.	1968	1969	1970	1971	1972	1973	1974	1975	1976	Меап
Hadong	<b>L</b> .	1	1,551	1,584	1,784	1,293	1,376	2,130	2,273	1,194	2,195	1,439	1,930	,	1,111	1,655
Gurye	. 1	1,520	1,205	1,386	1,439	1,101	1,170	1,785	1,614	1,107	1,957	1,175	1,599	1,352	1,028	1,388
Secssos	· •	1,584	1,370	1,540	1,541	894	1,165	1,734	1,097	1,108	1,634	1,095	1,479	1,451	926	1,332
Dongbog	1,418	: · <b>1</b>	1,280	926	1,249	936	1,029	1,671	1,404	1,261	1,773	1,292	, 1	ì	1,084	1,277
Bognae	1,732	1,688	1,057	1,449	1,280	922	815	1,560	1,643	1,228	2,022	1,258	1,815	1,249	3,046	1,384
Boseong		F ,	1,223	1,245	1,617	1,007	1,195	1,878	1,518	1,585	2,033	1,492		1,429	1,180	1,450
Namweon	•	1	1,335	1,460	1,454	1,137	166	2,017	1,300	1,342	1,635	1,145	1,456	1,533	1,144	1,381
Banam		1,520	1,533	1,482	1,181	796	884	1,984	1,239	196	1,267	1,136	1,	1,500	1	1,304
Sunchang	.i	1,707	1,326	1,337	1,415	916	926	1,831	1,378	1,401	1,800	1,406	1,714	1,772	1,233	1,440
Gangjin		1,789	1,492	1,130	1,384	979	906	1,559	1,548	1,265	1,711	1,536	1,534	1,571	1,019	1,387
Saangchi	•,	1,755	1,704	1,322	1,585	985	1,313	1,814	1,287	1,398	1,760	1,427	1,758	1,480	1,309	1,493
Seongsu	•		1,557	1,384	1,332	1,012	1,063	1,836	1,469	1,175	1,602	1,192	ı	1,380	1,042	1,337
Jangheung		1,818	1,182	1,238	1,279	917	1,068	1,467	1,720	1,669	1,526	1,536	2,009	1,250	1,082	1,412
Mean	1,575	1,673	1,370	1,345	1,426	1,005	1,070	1,790	1,499	1,284	1,763	1,318	1,699	1,452	1,103	1,403

Table B 13 MEAN MONTHLY PRECIPITATION

Han Ri	ver	(19	62-	-197	6)							1te	lt i ram
Station	Jan.	Feb.	Mer.	Apr.	May	Şunə.	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
Seoul	21.6	29.6	36.2		88.0	111.5	398.7	199.7	175.3	49.8	30.9	13.5	1,360.6
Olmpo	24.8	31.4	30.6	81.1	101.5	08.1	100.6	270.3	139.4	47.2	10.4	16.3	1,304.0
Nammyeon	20.0	31.7	41.8	110.9	95.8	101.2	354.8	304.3	148.8	58.0	47.6	10.4	1,338.1
Euijeongbu	27.0	29.5	39.8	117.1	92.7	117.6	469.9	333.1	177.6	48.9	38.7	14.0	1,493.0
Nageneng	16.8	17.8	21.4	112.9	55.0	66.0	425.6	295.3	138.6	37.7	21.1	8.0	1,237.1
Naeli	12.2	11.0	25.3	101.4	79.8	86.0	548.9	238.1	133.3	50,2	31.8	5.8	1,326.8
Genusca	19.6	24.9	47.1	86.7	128.0	80.0	339,3	233,8	142,7	76.5	39,8	17.4	1,245.8
Goan	19.2	10.1	40.6	67.5	76.6	103.0	115.0	295.8	111.4	40.0	26.0	9.9	1,224.8
Namhansan	26.0	33.2	23.1	76.5	83.9	104.9	355.5	412.1	152.3	50.5	33.8	17.6	1,369.3
Gwanju	24.9	39.8	42,3	109.9	94.1	114.1	391.5	317.7	154.0	56.1	39.8	16.0	1,399.2
Mohyeon	48.6	41.3	41.5	80.4	104.2	81.1		323.2	148.6	59.7	69.3	35.8	1,362.9
Pogog	20.1	28.3	35,0	91.1	129.8	95.1	353,4	331,1	152.5	73.0	44.0	17,2	1,373.9
Yongin	27.0	33.9	44.0	116.8	. 82.0	97.5	353.8	283,9	133.6	52.3	46.1	14.3	1,284.4
Unhag	25.3	12.3	35.2	102,5	98.6	84.5	317.5		158.6	55.4	37.3	15.7	1,285.7
Yangji	93.4	49.7	30.9	61.1	66.5	79.3	310.5	413.6	156.8	63.1	58.5	11.1	1,391.5
Yzngpysong Cheongun	70.9 17.9	48.7 27.6	49.7 61.7	108.9	100.9	105.6	455.0 571.0	358.8 283.4	162.4 162.3	50.7 58.1	33.1 51.5	11.2 17.0	1,555.9
Yangdong	27.5	25.4	49.2	117.3	67.4	118.0		265.0	174.3	50.2	39.3	13.6	1,409.3
Icheon	23.6	33.0	45.3	114.7	95.3		343.9	281.4	160.5	53.0	14.5	15.4	1,325.8
Yeoju	27.8	35.8	46.0	111.2	65.1	100.8	381.2	286.8	138.2	52.3	40.8	12.8	1,319.8
Szenggeug	45.4	25,2	48.8	78.2	75.5	77.5	306.0	277.1	129.4	41.9	27.5	10.6	1,143.1
Weonsam	36 1	43.7	48.1	,	64.2	114.8	359.0	326.9	148.2	54.5	60.9	23.4	1,440.9
Ganhyeon	27.5	33.0	34.8	80.6	101.9	95.3	287.6	333.4	143.2	56.5	39.1	18.3	1,232.2
Weonju	- 21.6	29.2	49.0	98.6	74.0	85.4	388.3	288.9	118.4	32.4	29.3	12.0	1,217.3
Hoengseong	29.0	31.3	40.8	119.9	91.8	106.5	409.1	295.3	138.3	49.1	39.1	16.8	1,367.0
Cheongil	14.0	10.9	31.7	127.5	114.3	121.9	489.1	351.5	174.4	49.0	32.3	9.0	1,525.6
Buron	30.9	24.5	19.1	111.0	96.7	105.6	326.3	221.8	143.9	33.8	24.1	15.6	1,183.3
Moggyń	19.7	30.1	58.4	111.8	87.0	91.3	293.3	239.3	133.0	38.9	35.3	21.2	1,150.3
Chungju	26.4	32.6	50.3	89.0	80.4	93.1	250.8	220.8	136.1	38.5	34.8	12.0	1,064.8
Goesan	28.7	35.4	50.8	80.8	63.5	97.0	256.7	248.3	125.6	51.2	50.3	19.1	1,127.4
Sangmo	7.0	18.9	45.0	18.4	76.3	104.1	289.2	199.0	107.4	35.8	35.0	6.1	1,003.2
Yeonpung	33.8	44.0	69.6	102.8	77-4	101.8	251.2	264.6	140.2	48.3	54.1	22.7	1,210.7
Cheongoheon	23.6	33,6	16.0	104.2	84.6	115.8	268.7	205.9	150.0	44.4	39.5	25.6	1,141.7
Baogun	28.6	40.0	55.5	117.5	101.2	109.7	338.4	313.2	152.0	47.3	19.5	21.9	1,374.6
Cheongoing	15.1	24.1	40.5	88.2	73.5	99.4	300.8	184.1	133.2	28.6	29.6	16.8	1,027.9
Danysag	17.6	22.4	38.8	57.1	61.3	103.3	223.5	214.3	141.8	37.2	39.5	22,5	994.3
Yeongchum	26.2	29.4	43.6	83.0	82.5	101.6	244.7	188.9	153.6	40,2	49.9	16.3	1,058.9
Sangdong Yeongweol	24.6 35.0	24.9 27.7	53.5 38.6	93.1 95.8	87.6 77.8	90.0	261.0 264.6	225.0 206.8	153.5 143.3	10.6 33.5	38.7	14.4	1,126.3
georgweor	19.5	24.0	48.7	105.8	78.1	105.6	315.2	260.0	154,2	46.7	33.5 39.2	11.6 30.1	1,058.2
Pyeongchang	21.9	39,4	47.2	117.4	62.2	108.9	349.0	245.5	179.4	55.4	39.5	14.3	1,300.1
Bangrim	20.4	37.6	49.7	68.5	83.6	104.7	292.3	291.8	176.8	51.9	62.1	14.1	1,253.5
Daehwa	16.5	22.2	34.7	77.6	70.5	109.3	294.7	255.7	137.5	47.1	25.8	15.6	1,108.1
Bongpyeong	50.8	40.1	40.0	106.6	101.0	126.6	345.6	252.0	147.2	36.7	31.9	22.7	1,301.2
Jeongseon	27.4	29,9	52.7	100.2	59.2	101.3	317.4	244.6	146.5	40.8	39.4	16.8	1,206.2
Jinbu	29.8	30.8	46.0	90.2	58.7	106.1	321.3	203.1	139.5	43.6	32.9	10,4	1,112.4
Imgye	36.6	37.3	54.3	91.8	75.6	92.1	264.6	239.4	160,0	41.4	45.2	22.0	1,160.3
Hamyeon	23.1	23.0	47.8	107,7	93.0	93.7	497.4	396.8	196.7	59.7	46.3	14.6	1,599.8
Seomyeon	26.6	22,2	1.7	129.3	93.9	88.6	243.3	172.9	97.3	7.4	18,9	13.5	921.6
Hougcheon :	29.7	39.0	60.4	86.5	83.9	89.4	323.5	322.7	132.3	44,4	36.5	15.2	1,273.5
Duchon	29.0	25.3	54.2	70.6	52,3	106.1	424.5	326.6	179.1	37.5	40.6	13.8	1,359.6
Machon	22.9	29.4	40.9	102.7		103.9	311.2	352.8	143.4	62.4	45.6	13.3	1,316.7
Secretog	23.5	25.9	48.4	99.3	76.6		388.5	316.7	152,1	51.3	43.5	19.9	
Gapyeong	29.5	28.0	45.9	67.0		110,5	551.1	356.9	173.1	59.6	43.0	9.2	1,559.4
Dupyeong	37.1	19.3	47,0	72.7	102.9	141.5	408.3	259.7	127.0	77.4	51.8	9.4	
Inje	19.7	20.1	43.5	80.2	81.6		337.7	254.7	115,4	44.2	27.2	13.7	1,134.3
Sechwa	25.8	20.1	24.4	73.9	81.6		404,7	266.9	155.6	61.2	30.2	12.5	1,266.2
Yongdeeri Giria	84.4 :	65,1	56.5	32.3	77.0	81.3	239.4	277.1	88.4	29.0	29.0	19.3	1.078.8
Changebon	11,0 29.0	17,8 23.5	28.1 62.2	94.9	77.9	127.8	339.5	250.6 243.7		47.7	35.9	10.5	1,195.1
Changenon Sanae	20.5	23.5	23.6	106.3	58.9 79.7	103.6	463.6		155.1	41.6	49.1	13.6	1,363.2
Hwacheon	20.5	18.2	23.6 48.0	89.2	107,1	103.1	480.5		119,3	45.4	39.0	7.8	1,337.0
Sangseo	29.4	26.1	40.0	114.7	116.0		425.7 487.8	320.0 351.0	160,8	41,4	16.1	12.1	1,374.6
Bangsan	8.0	12.0	22.8	95.1	85.5	99.9	337.0	280.2	123.4	37.0	31.9 22.3	13.8	1,519.3
Hoenggye	90.2	47.4	43.8	71,6	16.7	78.1		360.5	92.9	20.0	11.9	8.9	1,130,5 1,059.5
Sogrisan	10.9	20.9	29.7	74.8	68.3	98.6	145.1	186.2	147.1	66.7	25.8	24.1	898.2
Chuncheon	25.2	26,4		100.7	85.9	119.6	405.4	303.5	159.0	45.9	37.0	17.1	1,372.7
Sangnam	29.5	30.1		107.3	99.5		365.3		278.3	55.6	56.7	10,4	1,500.5
Jiowi	25.4	32.5		124.4	90.3	92.3	303.5	293.5	124.1	\$0.9	45.6	16.9	1,250.0
Attseoug	22.5	30.7		104.2	83.8	100.4	277.0	241.9	131.8	42.6	18.5	17.4	1,148.3
Yanggu	32,5	23.2	73.5	127,2	78.2	131.6	481.4	225.3	102.3	47.7	26.3	9.5	1,358.7
		2.3		1. 1			: '						
Meso	28.42	29,22	43.45	96.83	86.01	103,41	353.64	280,58	146.28	47,43	38.35	15.24	1,268.86

Table B 13 Continued (2)

agdong	<u>Ri</u>	ver	:_(]	L962	-19	7.6)		:			•	U	di i mm
Station	Ján.	Feb.	Mar.	Apr	May	June	July	Aug.	Sop.	Oot.	Nov.	Dec.	Total
Bangbug	27,5	42.9	53.7	155.5	135.2	157.6	310,9	215,6	169.0	48,0	48.6	22,7	1,899
Milyang	22.1	33.3	61.3	118,9	115.6	150.7	293,7	198,5	135.6	49.1	39,7	17.0	1,235
Sannes	26.1	27.4	80.5	128.6	109,8	167,1	299.2	102.1	140.3	41,8	39,6	- 24.3	1,272
Gaumeheon	. 15.0	34.3	52.9	105.2	81.1	95.0	275.9	209,7	150.7	61.8	27,3	23,6	1,134
Unmin	23,5	32.1	59.4	P4.1	89.3	128.5	270.2	180.7	147.7	48,7	35.4	17.4	1,124
Yeongeen	28.3	39.0	57.1	109.0	85.0	139,0	239,4	184.4	104.1	59.6	43.3	17.8	1,076
Jinju	31.7	48.4	70.5	164.7	147.1	185.8	275.6	213.6	141.4	56.6	47.7	21.0	1,405
Bugog	39.1	55.2	84.8	177.5	147.1	175.8	298.1	219,2	152,0	63.8	47.5	18.2	1,581
Tecau													
Bicheon	33.5	47.7	99.5	170.4	143.1	200.1	325.4	347.6	147.6	56.9	62.3	17.5	1,651
Jirisan	72.3	76.4	125.1	176.8	151.4	183.0	354.3	323,9	141.9	66,9	19.6	30,9	1,752
Weonji	32.4	42,9	98.2	119.7	131,4	149.0	309.0	283.3	162.3	40,5	65.5	18.8	1,433
Samga	28.1	42.3	66.0	125.6	118.5	150,4	273.1	240.5	116.1	55.7	37,6	14.7	1,278
Chahwang	30.8	47.9	71.4	115.0	119.6	151.9	307.7	275.5	137.6	64.6	18.7	31.7	1,399
Sancheong	36.1	44.8	73.2	120.0	108.0	176.6	317.1	329.3		43.8	43.6	17.7	1,481
Macheon	31.6	49.1	68.7	137.7	125.0	156.8	310.1	285.4	150.5	69,4	81,5	29,1	1,530
								323.4	128,9	59.4	49.3	24,1	1,323
Hamyang	29.6	47.8	84.1	125.0	101.9	150.8	323,5						
Jahong	29.8	38.7	55.5	116,0	99.8	163.9	316.4	211.4	132.0	57.7	60.2	30,4	1,340
Lnout	36.6	43,6	67.1	125.2	89.7	163.2	287,6	204.6	115.9	54.5	59.8	18.2	1,276
loosing	28.5	40.7	53.8	112.5	103.5	158.0	307.6	218.8	97.9	84.0	54.6	16.4	1,254
Changnyeong	24.9	35.1	58.8	111.6	69.3	150.8	254.6	184,1	122.6	47.6	40.4	18.1	1,138
inbaa	23.0	37.2	61.6	140.7	115.1	163.3		193.8	124.8	44.0	41.8	20.3	1,250
labeheen	27,8	37.0	57,7	114.7	106.2	163,5	289.0	203.8	123.6	45.2	41.6	23.0	1,234
algye	30.2	53.7	79.1	128.2	120.4	166.9	303.0	225.8	172.2	52.9	55,5	22.1	1,360
agy ang	18.7	49.7	46.7	63,8	97,8	131,3	206.4	228.3	87.4	58.4	29.5	10.9	1,018
loryeong	25.6	31,3	58.1	109,3	107.6	149.0	313.2	197.2	118.8	49.6	33.5	15.1	1,207
Aro	24.9	39.6	61.0	120.0	111.7	144.5	315.3	197.2	123.4	50.5	43.5	13.4	1,245
alα	25.B	27.4	58.5	98.3	81.8	103.9	289.6	159.8	108.0	80.7	38.0	21.9	1,064
'eongebace	18.6	30,8	55,5	96.1	93.0	119.3	258.6	153.5	100.6	47.3	34,9	13.1	1,021
inryeong	28.9	33.8	56.0	96.8	93,9	125.8	268.5	190.3	99.2	48,5	36.9	9.3	1,087
ugjang	28.2	34.7	68,1	114.1	101.0	137.8	284.9	196.5	120.6	63.7	40,9	13.5	1,179
rozesu energe	22.5	32.7	44.6	88,2	18.2	99.1	351.0	157.6	94.5	17.7	30.6	3,1	840
angwan angchoon													
-	32.1	31.8	39.3	63.7	83.7	110,0	239.6	104.5	105.6	25.7	25.6	11.8	986
imcheon	23.5	52.9	74.6	99.1	75.4	03.6	225.6	173.5	111.9	41.8	44.5	15,3	1,030
irya	44.5	55.6	59.2	79.9	84.0	102,2	256.1	192.3	100,7	49.0	39.9	16.4	1,079
uhang	25.4	32.4	55,5	100,0	91,8	137.0	310.6	174.3	119.5	50.8	35.9	12.5	1,151
ngye	20.7	29.3	47.0	95.5	68.4	109.0	189.3	150.4	129.6	32.2	35.3	8.8	919
uswi	19.4	29.8	56.0	81.9	78.8	96.7	234.1	161.2	165.9	41.4	33.3	13.3	851
escong	18.8	28,1	48.3	93,1	61,6	101,8	213.1	167.2	127.2	40.0	34.5	11.7	965
nigju	23.1	34.5	55.4	110,3	100.1	100.8	256.1	111.8	107.6	39,5	43.5	10.3	1,059
ometon	27.9	32.2	54.8	114.3	105.1	129,1	265.5	181.7	132,5	44.6	41.3	14,0	1,146
ongam	36.0	42.4	68.7	125,0	107,1	133,8	292.4	236,8	137.7	51.4	47.2	10.5	1,289
ongro	25.7	32.7	52.5	121.4	110.9	150.1	283.3	259.5	119.9	51.5	37.6	14.0	1,259
bo	59.9	60.0	66.0	100.5	105.6	114.5	268.1	157.2	110.5	34.6	36.4	8.5	1,137
jig	32.0	41.2	53.2	96.8	86.7	105.4	229.8	167.3	98.1	42.0	33.7	21.9	1,013
ndong	21.4	26.5	47,9	97.6	79.8	102.0	211.1	157.8	101.7	37.6	29.6	14.0	827
ieren	18.3	26.4	32.9	86.6	80.9	119.0	230,6	178.3	93,1	35.4	27.5	9.4	949
recondong	20.2	21.3	45.8	68.2	63.8	94.2	198.4	178.6	58.3	27.6	28.0	7.5	829
llan	18.6	34.8	49.6	72,1		100.4	227.5	172.5	09.T	45.7	40,0	10.9	942
Tecoseso	23,5	28.8	60,4	92.5	60.3	113.3	229.3	159.6	127.4	46.6	41.2	13.8	1,015
haongsong	27.2	27.1	42.6	93.6	78.5	100,9	225.7	182.0	122.3	39.4	33.0	13.9	284
neongeong unim	19.8	33.7	49.1	87.5	85.0		227.2	169.1					
	** *									41,5	38,5	15.4	
ocu <b>g</b> ) and	25.0	25.9	56.1	103.2		101.9	242.0	205.6	121.6	15.6	30,1	11,6	1,864
ootgju	25.4	29.6		110.4	. *					37.9	34.5	12.3	1,103
Hoog	31.1	28.6	38.2	96,1		1.0		267,4		35.3	32,6	3.2.8	
<b>*</b> 6	18.2	26.1	47.0	85.6	71.3		182.7		91,9	19.8	18,7	15.1	973
ogdong	24.0	28.5	42.4			121.9			106.7	38.0	20.5	13.9	965
riti	23.9	21.4	45.6	77.8			216.4		129.2	39.9	29.7	13.0	964
ocheon	20.0	37.1	30.1	81.8	107.6	126,6	216.7	245,2	103.9	45.0	33.8	23.1	1,071
oghyecu	25.7	32.1	32.2	116.7	126.4	137.6	267.9	216.4	185.5	51,5	61.0	16.2	1,341
mawaaryong	13,9	45.9	42.4	61.3	1,18.8	171.8	284.6	221,9	135.1	35.1	21.2	13.7	1,145
	8.4	31.0	26.1	79.0	66.6	85.5	172.4	319.6	108.8	50,4	32.7	17.6	989
ത്തോ	103.4	47.7	50.8				205,3		96.1	33.7	39,4		1,237
		39.9	71.4				1 1	201,6		55,2	50.8	23.2	1,440
rang)l	25-7			125.2						59.8			
rang)i man	28.7	47		****	,								1,303
erang)! araa sochang	33,6	47,7		115 -	101 -		103.3	173.1	70.0	33,4	9.8	18.5	906
rsogjt aran socheng n	33,6 43.9	46.5	35.9	135.6									
nerog)! anan anan anang	33,6 43.9 29.5	46.5 40.3	35.9 79.0	150.0	154.9	93.0	187.2		76.5	58.5	15.0	21.7	1,139
ering)! araza socheng a weseo	33,6 43.9 29.5 33.3	46.5 40.3 36.2	35.9 79.0 68.0	150.0 101.9	154.9 103,6	93.0 125.3	187.2 289.2	194.7	125.9	58.5 41.2	15.6 52.2	21.7 16,4	1,138
ering)! araza socheng a weseo	33,6 43.9 29.5	46.5 40.3	35.9 79.0	150.0 101.9	154.9 103,6	93.0 125.3	187.2	194.7	125.9	58.5	15.6 52.2	21.7	1,138
erang)t aman sochang a nesso seco seco seco seco	33,6 43.9 29.5 33.3	46.5 40.3 36.2	35.9 79.0 68.0 152.0	150.0 101.9	154.9 103,6 99.2	93.0 125.3 77.8	187.2 289.2	194.7 305.8	125.9	58.5 41.2	15.6 52,2 75.5	21.7 16,4	
ering)! araza sootheng n ering ootheng ootheng ootheng ootheng	33,6 43.9 29.5 33.3 69.1	46.5 40.3 36.2 9.8	35.9 79.0 68.0 152.0	150.0 101.9 115.7	154.9 103,6 59.2 113,8	93.0 125.3 77.8 83.9	187.2 289.2 183.6 291.3	194.7 305.8	125.9 102.6 107.5	58.5 41.2 34.4	15.6 52,2 75.5	21.7 16.4 24.8	1,138 1,167 1,230
arangit aran sochang n waseo seeo adoog	33,6 43.9 29.5 33.3 69.1 22.3	46.5 40.3 36.2 9.8 28.2	35.9 79.0 68.0 152.0 50.3	150.0 101.9 115.7 130.1	154.9 103,6 59.2 113,6 80,2	93.0 125.3 77.8 83.9 130.3	187.2 289.2 163.6 294.3 233.5	194.7 305.8 80.2	125.9 102.6 107.5 153.2	58.5 41.2 34.4 51.4	15.6 52.2 75.5 27.0	21.7 16.4 24.8 6.9	1,139 1,167 1,330 994

Seomjin River (1962-1976)	.962-1976)					-						
											<b></b>	Unit: mm
Station	Jan. Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
Hadong	39 59	96	183	180	167	327	332	148	52	52	24	1,655
Gurye	33 42	99	130	117	166	320	255	123	52	55	29	1,389
Seoggog	34 47	63	137	112	160	289	203	143	63	26	24	1,332
Dongbog	35 58	59	122	83	120	278	234	169	7.7	46	25	1,277
Bognae	34 76	09	140	124	175	296	235	152	87	47	26	1,384
Boseong	54 57	80	157	146	150	255	282	134	54	56	24	1,450
Namweon	37 50	67	116	102	134	339	235	148	09	62	30	1,381
Banam	31 39	52	125	120	172	311	193	135	45	61	18	1,304
Sunchang	39 52	89	142	116	171	324	224	138	63	67	34	1,440
Gangjin	53 54	7.2	135	108	159	321	204	124	99	59	32	1,387
Ssangchi	50 61	70	135	121	170	309	237	139	71	74	55	1,493
Seongsu	40 53	99	116	92	139	298	245	142	23	65	31	1,337
Jangheurg	31 55	89	141	137	206	256	245	128	09	53	9	1,412
Mean	39 52	89	137	120	161	302	240	140	57	58	53	1,403

Table B 14 AVERAGE ANNUAL BASIN RAINFALL FOR PROPOSED DAM

mm	Juam	1,575	1,652	1,371	1,333	1,407	987	1,042	1,788	1,409	1,257	1,745	1,287	1,622	1,472	1,104		1,381
Unit:	Hamyang	1,481	1,478	1,383	1,395	1,471	946	1,047	1,894	1,544	1,199	1,847	1,288	1,559	1,589	1,082		1,422
	Imha	730	1,211	1,042	918	842	770	721	1,294	1,261	813	1,231	108	765	1,167	927		995
	Bonghwa		1,042	993	793	892	782	998	1,163	1,192	106	1,460	821	1,033	1,335	818		1,033
	Ganjyeon		1,723	2,099	1,191	1,730	915	1,080	1,646	1,335	1,366	1,521	1,026	1,144	1,143	1,222	·	1,348
	Dalcheon	837	1,066	1,450	1,104	1,104	983	829	1,372	1,258	1,054	1,359	920	1,026	1,135	666		1,105
	Gujeol	934	1,386	1,817	1,037	1,515	1,041	1,011	1,391	1,182	982	1,341	867	606	1,154	942		1,186
	Hongcheon	1,189	1,686	2,060	1,221	1,824	1,045	1,261	1,475	1,569	1,040	1,414	768	1,135	1,221	1,078		1,340
	Bamseonggol		1,371	1,775	1,286	1,732	1,142	1,232	1,588	1,276	979	1,312	778	1,097	925	978		1,276
	Inje		1,232	1,650	1,141	1,738	166	1,137	1,361	1,073	987	1,347	829	838	951	937		1,200
	Year	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976		Mean

Table B 15 AVERAGE ANNUAL BASIN RAINFALL FOR SELECTED RUN-OFF GAUGING STATIONS

Unit: mm

Basin		1,575	1,673	1,370	1,345	1,426	1,005	1,070	1,790	1,499	1,284	1,763	1,318	1,699	1,451	1,103	1,403
Seomiin River	Abrog Gansing Station	1,355	1,651	1,440	1,380	1,417	866	1,053	1,820	1,366	1,220	1,671	1,264	1,590	1,505	1,104	1,389
	Whole Basin	1,103	1,309	1,145	1,118	1,174	918	912	1,472	1,433	066	1,486	978	1,226	1,273	406	1,168
er Basin	Nam River	1,473	1,528	1,278	1,356	1,489	1,022	1,020	1,895	1,794	1,245	1,911	1,229	1,565	1,604	1,018	1,428
Nagdong River Basin	Waegwan Ganging Station	873	1,063	1,155	176	1,028	844	794	1,235	1,240	106	1,305	842	1,090	1,147	882	1,025
	Jindong Ganging Station	1,056	1,216	1,163	1,103	1,174	918	888	1,430	1,401	786	1,456	976	1,195	1,257	868	1,139
	Whole Basin	1,058	1,401	1,854	1,178	1,573	1,047	1,110	1,448	1,390	1,099	1,511	952	1,086	1,123	1,043	1,272
Basin	Yeoju Ganging Station	980	1,311	1,753	1,047	1,390	362	809	1,383	1,220	1,059	1,398	892	1,046	1,130	1,025	1,160
Han River Basin	Cheong- pyeong Dam	1,231	1,516	1,921	1,306	1,772	1,102	1,176	1,470	1,406	1,030	1,448	931	666	1,085	918	1,287
	Goan Ganging Station	1,085	1,421	1,917	1,174	1,569	1,069	1,023	1,399	1,356	1,084	1,488	914	1,026	1,091	992	1,240
	Year	1962	1963	1964	1965	9961	1961	1968	1969	1970	1971	1972	1973	1974	1975	1976	Mean

Table B 16 MONTHLY INFLOW INTO HWACHEON DAM

hmen	Catchment Area: 4,145 km <sup>2</sup>	4,145 km2		٠,								Unit:	106 m3
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
	52.2	51.1	89.7	278.4	76.1	95.4	498.7	1,217.6	794.2	114.6	68.2	8.67	3,386.0
	41.0	45.2	80.4	700.4	321.4	484 7	1,974.0	455.3	111.5	0.67	36.3	34.6	4,333.8
	39.6	29.6	55.4	1,292.1	310.7	155.5	1,794.5	1,256.2	684.3	163.4	70.0	37.5	5,888.8
	29.5	31.5	80.4	108.9	58.9	23.3	1,923.1	0.666	222.9	63.5	75.7	30.0	3,646.7
	18.8	38.7	125.9	137.4	96.4	417.3	2,493.6	9.696	1,026.4	133.9	67.4	40.2	5,565.6
	24.1	24.2	184.8	187.1	151.6	75.2	873.2	1,090,1	469.7	88.9	7. 77	32.7	3,245.7
	27.3	23.6	59.2	80.4	41.5	67.4	562.7	674.4	290.0	516.7	180.7	103.4	2,627.3
	46.3	49.1	131.2	732.0	552.6	173.2	1,079.4	1,338.4	149.8	67.5	45.6	29.2	4,394.3
	22.2	26.6	47.9	68.7	34.8	46.1	871.3	655.1	1,434.2	138.2	114.3	9.49	3,524.0
	34.8	33.9	92.1	132.7	185.1	115.3	1,075.9	700.9	541.7	142.2	73.6	6 97	3,175.1
1	41.0	46.1	219.4	338.5	79.8	58.6	353.6	2,071,5	436.2	153,2	222.1	131.5	4,151.5
	62.9	50.6	71.0	227.6	327.0	110.2	233.6	921.6	825.3	107.4	87.4	48.2	3,075.8
	39.9	34.1	45.3	175.0	227.1	176.5	112.2	668.8	219.2	79.3	54.7	34.0	1,866.1
	20.6	18.1	36.4	108.6	152.7	92.5	1,451.7	518.5	822.2	106.6	77.0	34.0	3,438.9
	24.6	41.3	118.4	83.5	67.8	39.7	85.7	914.4	400.0	77.7	57.5	42.6	1,953.2
	527.8	543.7	1,437.5	4,651.3	2,683.5	2,130.9	15,383.2	14,451.4	8,427.6	2,002.1	1,274.6	759.2	54,272.8
	35.2	36.2	95.8	310.0	178.9	142.1	1,025.5	963.4	561.8	133.5	85.0	50.6	3,618.2
				٠.					:				

Table B 17 MONTHLY OUTPLOW FROM CHEONGPYEONG DAM

Catchn	ent area:	Catchment area: 10,138 km2	v İ									Unit:	106 m3
Year	Jan.	Feb.	Mar,	Apr.	Мау	June	July	Aug	Sept.		Nov	Dec.	Total
1962	282.0	265.6	323.6	505.7	253.6	264.4	408.5	2,224.4	1,795.7	333.2	261.5	254.7	7,173.0
1963	181.1	187.5	158.6	1,185.1	771.6	1,522.3	5,083.9	1,027.7	339.6	261.9	160.7	134.7	11.014.6
1964	146.2	113.0	171.4	2,638.4	8.646	564.0	3,972.6	3,513.8	2,173.7	416.0	174.2	100.4	14.933.5
1965	180.8	152.9	218.8	208.9	162.3	92.0	4,923.0	2,156.4	484.2	221.8	185.8	204.9	9.191.7
1966	173.8		376.9	425.1	388.4	770.3	7,579.1	2,211.3	2,434.4	360.2	301.7	281.0	15,468.1
1967	214.5		396.9	481.3	354.6	233.3	1,483.3	2,212.9	1,312.1	308.6	295.2	226.6	7,762.2
1968	104.2	121.0	197.9	214.9	104.5	88.1	1,057.2	1,955.8	761.3	980.3	492.5	377.7	6,455.2
1969	259.8		388.4	1,555.2	1,449.0	655.8	2,182,9	3,623.8	445.8	208.9	127.0	128.6	11,272.0
1970	136.6	125.8	174.0	189.2	163.4	173.7	2,271.3	1,636.5	4,118.7	391.0	338.3	233.0	9,951.6
1971	192.8	164.5	321.4	300.7	468.2	331.8	2,257.9	1,833.4	964.2	425.9	208.9	182.1	7,651.8
1972	150.0	213.0	503.5	759.5	305.3	184.8	557.1	4,845.2	811.3	329.4	354.8	308.0	9,322.0
1973	198.2	166.9	208.9	311.0	616.0	251.4	321.4	803.5	1,218.2	195.5	342.1	345.5	4,978.9
1974	254.4	188.7	166.1	375.8	918.7	1.999	601.3	1,082.1	585.8	372.3	438.0	190.2	5,839.6
1975	150.0	1.	128.6	114.0	249.1	300.7	2,531.1	358.9	969.4	447.3	233.3	375.0	5,997.6
1976	289.3	255.6	318.7	368.1	417.8	337.0	369.6	1,663.3	676.5	364.3	305.9	339.3	5,706.1
						: ''	:		:		-		
Total	2,913.8	2,913.8 2,750.0	4,053.8	9,632.9	7,572.4	6,435.7	35,600.0	31,149.0	19,090.9	5,616.6	4,220.0	3,682.5	132,717.9
Mean	194.3	183.4	270.3	642.2	504.8	429.0	2,373.3	2,076.6	1,272.7	374.4	281.3	245.5	8,847.9

Table B 18 MONTHLY RUN-OFF AT JEONGSEON GAUGE

Year	Ĵan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1962	3.8	74.3	35.4	80.8	46.6	76.1	124.5	307.0	275.4	53.8	18.3	21.5	1,117.5
1963	7.2	1.1	48.2	252.4	77.7	207.0	276.6	222.0	14.3	19.7	17.2	16.4	1,159,8
1964	16.3	13.5	44.1	0.609	107.8	82.5	228.8	142.9	326.9	122.5	31.4	18.5	1,744.2
1965	11.6	6.5	50.4	27.2	62.1	30.6	460.6	68.7	25.1	17.1	60.5	25.9	846.3
1966	12.0	34.9	4.09	67.9	83.4	74.9	447.2	152.7	233.2	6.97	28.6	15.4	1,257.5
1967	0.7	18.0	79.1	126.9	76.7	34.6	191.7	96.3	159.9	32.9	33.5	36.4	886.7
1968	14.5	33.9	67.3	40.1	50.5	7 57	219.5	273.2	8.46	132.3	159.1	33.2	1,164.1
1969	35.3	31.4	37.2	360.8	87.7	81.6	186.0	226.8	19.0	11.8	0.8	0.5	1,078.9
1970	7.9	33.8	69.7	35.2	25.7	24.6	247.8	81.1	324.5	64.3	50.9	26.5	390.5
1971	20.6	20.6	44.2	75.2	105.2	30.9	321.5	332.7	81.2	35.0	26.7	14.5	1,108.3
1972	11.4	20.2	250.1	200.9	73.5	40.2	38.4	446.7	217.0	113.3	64.4	27.6	1,503.7
1973	4.0	0.7	16.1	38.8	54.1	11.6	33.4	40.6	63.2	15.1	16.4	7.9	298.3
1974	14.1	24.3	11.7	82.6	105.9	12.4	171.3	82.8	62.9	10.9	8.3	8.0	595.2
1975	14.5	23.3	64.3	234.0	103.9	9.69	323.0	182.8	277.0	187.2	50.2	40.7	1,570.5
1976	8.2	8 .3	37.2	50.8	23.0	13.0	24.2	381.5	75.9	26.2	9.0	0.7	9.679
Total	177.0	344.8	915.4	2,282.6	1,083.8	835.3	3,294.5	3,037.8	2,250.3	889.0	566.9	293.7	15,971.1
				( L	c C P	t u	210	300	0.051	, 0	37.8	19.6	1.064.7
Mean	11.8	73.0	D. T.	7.761	7.3		0.617	7	2				: ••• .

Table B 19 MONTHLY RUN-OFF AT CHUNGJU GAUGE

Year													
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1962	102.0	88.5	113.0	291.2	120.5	90.4	21.3	1,116.6	1,459.9	212.2	99.5	76.2	3,791.3
1963	36.8	30.1	76.3	959.7	517.7	1,137.9	2,514.4	695.5	143.8	70.8	44.1	9.44	6,271.7
1964	41.9	28.3	93.5	2,067.2	561.2	240.4	1,788.9	1,059.9	2,077.7	302.9	122.9	68.6	8,453.4
1965	42.6	40.5	92.6	116.9	98.1	43.3	2,495.9	421.3	147.1	65.5	131.3	60.7	3,758.8
1966	28.1	56.5	465.4	244.9	202.1	259.5	1,947.6	9.606	1,363.7	161.7	141.2	103.7	5,884.0
1967	45.0	71.4	175.5	358.0	204.7	94.5	673.1	428.4	1,007.2	126.9	95.5	122.4	3,402.6
1968	37.9	25.2	91.0	156.7	53.1	91.3	829.4	885.6	284.0	343.6	275.5	127.8	3,201.1
1969	64.8	132.9	337.4	1,244.4	500.6	111.0	1,069.9	2,302.0	723.5	190.4	76.4	9.19	6,814.9
1970	28.2	51.2	70.9	196.9	1.59.1	157.8	1,632.1	875.1	1,910.5	221.9	149.8	103.7	5,557.2
1971	59.0	62.5	186.5	216.3	362.8	115.5	2,053.2	1,047.9	312.2	116.5	57.7	33.9	4,624.0
1972	70.8	115.2	9 709	698.8	311.5	67.4	209.7	3,208.5	1,314.7	411.2	664.1	304.6	7,981.1
1973	213.0	199.9	169.8	538.4	568.1	162.7	321.2	553.8	478.0	151.0	173.6	104.9	3,634.4
1974	76.0	69.1	209.6	753.3	910.2	194.5	1,056.2	738.4	402.1	123.1	81.2	81.9	4,665.6
1975	7.27	50.2	209.5	811.9	716.5	282.9	1,995.4	1,009.0	1,685.3	419.2	370.8	182.8	7,780.9
1976	82.8	215.1	569.5	461.9	376.2	177.4	228.8	2,575.8	813.5	141.6	82.2	210.7	5,935.5
Total	6.946	1,236.6	3,468.1	9,116.5	5,662.4	3,226.5	18,837.1	17,827.4	14,123.2	3,058.5	2,564.8	1,688.1	81,755.5
Mean	63.1	82.4	231.2	607.8	377.5	215.1	1,255.8	1,188.5	941.5	203.9	171.0	112.5	5,450.4

Table B 20 MONTHLY RUN-OFF AT YEOJU GAUGE

Catching	ant Area:	Catchment Area: 11,036 km2										unit:	106 車3
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dac.	Total
1962	187.2	246.0	172.6	455.0	174.6	139.7	306.0	1,520.9	1,991.2	411.0	144.6	121.6	5,870.4
1963	92.2	8 8 8	110.5	1,220.8	739.6	1,670.2	3,547.5	991.9	256.5	150.9	117.9	116.8	9,104.6
1964	111.9	89.5	149.5	2,826.8	725.6	291.5	2,608.5	1,734.7	2,932.6	476.4	167.5	95.7	12,210.2
1965	85.2	70.3	118.4	243.8	144.1	68.2	3,670.2	815.3	234.6	133.0	276.3	115.7	5,975.1
1966	4.49	86.2	749.5	282.9	271.3	346.4	3,534.4	1,423.7	1,864.2	244.0	214.8	132.9	9,214.7
1967	91.5	158.2	354.4	597.2	317.5	118.2	1,040.4	831.5	1,306.4	221.7	169.8	212.0	5,418.8
1968	61.0	36.9	143.9	229.3	76.4	139.6	1,245.5	1,271.3	515.5	493.6	474.8	197.0	4,884.8
1969	7.96	333.2	513.5	1,555.4	902.8	171.5	1,363.5	3,780.3	1,399.9	335.0	109.9	81.7	10,643.1
1970	43.2	105.2	94.6	264.4	233.8	213.1	2,717.8	1,197.9	2,857.2	524.9	269.2	197.0	8,718.3
1971	105.8	94.1	396.7	396.7	575.8	211.9	3,311.6	1,640.2	611,1	236.9	109.5	90.2	7,780.5
1972	125.9	196.2	835.6	936.1	491.5	143.4	359.6	4,391.5	1,755.0	852.5	955.4	696.5	11,739.2
1973	7.767	6.679	587.9	1,006.7	1,027.3	470.7	878.9	1,085.6	1,033.5	558.7	500.3	365.0	8,991.6
1974	253.1	210.4	241.6	1,433.4	1,835.1	462.8	1,849.6	1,144.1	6.7.9	266.9	163.0	133.0	8,640.9
1975	90.7	8.66	317.2	1,123.5	1,065.5	301.6	2,691.6	1,510.2	1,935.6	601.7	564.0	392.8	10,694.2
1976	104.0	376.4	590.1	667.7	548.2	250.3	466.8	3,803.1	1,088.8	432.7	324.7	465.0	9,117.8
Total	2,310.2	2,871.5	5,376.0 1	13,239.7	9,129.1	4,999.1	29,591.9	27,142.2	20,430.0	5,939.9	4,561.7	3,412.9	129,004.2
Mean	154.0	191.4	358.4	882.6	608.6	333.3	1,972.8	1,809.5	1,362.0	396.0	304.1	227.5	8,600.3

Table B 21 MONTHLY OUTFLOW FROM GOESAN DAM

Catchne	Catchment Area: 671 km	671 km <sup>2</sup>	* . *				17				•	Unita	106 m3
Year	Jan.	Feb.	Mar.	Apr.	Мау	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1962	8.0	8.5	6.7	3.4	4.6	6.2	13.9	52.2	198.8	20.8	7.0	6.7	341.6
1963	4.0	8.4	4.6	31.9	110.4	106.0	226.3	32.9	16.6	7.2	3.4	4.3	552.4
1964	4.6	5.0	17.1	178.8	46.3	10.9	124.3	167.9	161.0	20.4	11.1	6.4	753.8
1965	5.6	8.2	26.0	4.7	5.1	0.5	435.5	57.3	13,7	6.2	13.5	2.7	579.0
1966	2.9	7.6	36.4	10.1	14.7	6.79	81.4	48.5	72.3	16.3	14.5	13.7	388.1
1967	4.6	6.5	18.7	27.7	8.0	14.8	103.9	80.4	8.64	10.2	6V 80	12.6	347.0
1968	5.6	3.0	11.0	14.3	2.1	2.3	8.09	69.3	6	22.5	22.0	14.2	216.9
1969	e	47.7	24.1	87.1	62.9	0.9	129.1	284.7	114.0	23.0	13.0	5.6	805.5
1970	3.7	6.8	13.1	38.4	21.7	16.6	170.6	74.5	210.0	43.7	21.5	8	629.2
1971	10.7	9.2	23.3	12.7	16.1	47.7	246.4	114.4	41.5	11.8	4.4	3.7	541.9
1972	5.1	12.3	94.0	47.7	19.8	7.3	54.1	165.8	68.9	16.9	36.8	22.2	550.9
1973	31.9	20.3	8.8	22.6	28.4	7.5	35.4	38.8	22.6	7.8	8.0	7.2	239.3
1974	4.6	6.5	26.8	54.4	47.4	12.4	131.8	26.2	21.5	6.7	7 7	4.0	346.4
1975	2.7	1.7	17.1	32.4	32.7	7.3	119.7	54.6	130.9	19.6	12.4	12.9	444.0
1976	8.4	18.0	19.0	40.4	14.2	6.4	5.6	228.2	25.4	7.0	7.0	10.2	384.7
Total	107.1	167.9	346.7	9.909	439.2	318.3	1,938.8	1,475.7	1,156.8	240.1	188.5	135.0	7,120.7
Mean	7.1	11.2	23.1	40.4	29.3	21.2	129.3	98.4	77.1	16.0	12.6	0.6	474.7
						-		•				-	

Table B 22 MONTHLY RUN-OFF AT GOAN GAUGE

		ŧ									٠		Unit:	10 <sup>6</sup> m <sup>3</sup>
Catchin	Catchment Area: 23,613 km <sup>2</sup>	23,613 km	~ <u>.</u> ]						*					Total
Year	Jan.	Feb.	Mar	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total	June
1962	484.0	527.8	511.8	6.066	441.8	416.8	2,438.3	3,863.3	3,906.2	767.6	418.9	388.1	13,454.2	5,778.5
1963	295.4	299.7	290.9	2,601.0	1,633.8	3,451.5	9,331.5	2,183.4	644.4	446.3	301.2	271.9	21,751.0	10,146.9
1964	299.7	235.0	372.5	6,344.2	1,944.8	993.1	7,639.5	6,092.5	5,927.4	1,035.8	396.6	227.7	31,508.8	11,208.7
1965	304.8	255.8	386.5	518.9	351.2	183.6	9,848.3	3,405.7	823.7	9 907	529.6	367.4	17,382.1	3,660.9
1966	263.8	279.1	1,246.8	783.7	730.3	1,236.2	12,302.2	4,023.8	4,758.4	668.8	571.7	458.1	27,322.9	5,843.5
1967	326.0	427.3	9.008	1,149:1	716.1	374.5	2,688.8	3,243.6	2,789.8	565.0	495.5	467.3	14,043.6	5,492.2
1968	173.2	165.5	358.3	465.5	189.5	238.7	2,413.3	3,382.1	1,338.1	1,544.7	1,013.7	602.2	11,884.8	3,118.5
1969	394.7	642:7	7.666	3,447.1	2,606.3	916.8	3,930.0	8,205.2	2,045.4	602.8	262.5	233.0	24,285.9	12,167.6
1970	197.2	253.4	294.8	497.6	435.7	424.3	5,472.9	3,109.2	7,652.3	1,004.8	666.4	471.7	20,480.3	3,201.3
1971	322.9	278.6	776.3	754.0	1,128.7	587.8	6,021.1	3, 755.3	1,703.1	716.5	344.2	294.4	16,683.9	5,991.2
1972	305.1	452.3	1,480.5	1,874.5	880.9	362.9	1,013.4	10,211.8	2,837.2	1,306.7	1,448.6	1,110.6	23,284.5	6,711.3
1973	1,067.1	906.8	823.8	1,411.9	1,760.8	773.7	1,286.1	2,024.2	2,412.7	808.2	902.6	761.3	14,969.2	10,640.0
1974	545.7	429.1	438.3	1,945.0	2,960.5	1,213.7	2,634.9	2,393.3	1,326.3	687.2	646.2	347.4	15,567.6	10,004.4
1975	261.8	261.2	485.0	1,346.4	1,430.3	655.2	5,682.3	2,033.6	3,160.7	1,141.3	867.4	835.3	18,160.5	6,120.7
1976	423.7	680.8	979.1	1,115.9	1,040.8	632.7	901.1	5,889.1	1,901.8	858.6	6.79.3	867.5	15,970.4	7,717.0
Total	5,665.1	1.960,9	6,096.1 10,274.6	25,245.7	18,251.5	12,461.5	71,902.4	63,816.1	43,227.5	12,560.9	9,544.4	7,703.9	286,749.7	
Mean	377.7	7.907	685.0	1,683.0	1,216.8	830.8	4,793.5	4,254.4	2,881.8	837.4	636.3	513.6	19,116.6	

Table B 23 MONTHLY RUN-OFF AT IMHA GAUGE

	Catchme	Catchment Area: 1,361 km <sup>2</sup>	1,361 km <sup>2</sup>	•									Unit:	106 m3
	Year	Jan.	Feb.	Mar	Apr.	Мау	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
-	1962	1.5	8.1	8.8	34.2	10.1	34.0	72.0	114.6	93.2	15.0	30.2	26.3	448.0
	1963	24.7	22.3	17.0	127.2	129.6	294.7	330.6	114.3	35.1	5.6	3.0	6.0	1,105.0
	1964	0.3	9.0	33.3	174.3	67.5	3.5	133.6	3.8	145.8	10.5	4.3	٥٠ ٢٠	578.5
	1965	0.5	0.4	4.0	0.3	7.8	1.2	408.7	23.8	10.5	5.3	34.2	15.7	508.8
	1966	9.2	6 1	171.3	33.1	17.3	25.9	130.3	82.1	112.7	101.2	82,5	67.1	841.8
	1967	52.6	21.8	14.7	7.67	10.9	14.3	107.7	5.1	4.7.4	5.7	7.6	11.1	350.4
	1968	4.1	3.1	4.2	7.6	6.3	13.4	38.3	163.6	19.7	42.2	16.9	11.0	330.4
	1969	3.8	39.7	55.5	135.4	29,9	14.0	61.6	238.4	269.1	1.64	18.8	15.8	935.7
 	1970	11.2	16.3	24.3	41.8	74.0	43.2	386.5	199.5	223.7	27.9	22.3	17.3	1,088.0
	1761	19.4	25.7	41.6	31.6	44.3	35.0	203.4	100.4	36.6	24.1	16.0	10.3	588.4
	1972	14.8	33.0	193.2	138.5	141.4	22.2	122.1	209.5	217.9	67.0	87.3	115.3	1,362.2
	1973	155.2	29.3	15.6	77.4	57.8	23.3	49.7	123.2	58.6	63.1	41.8	27.3	722.3
	1974	21.4	23.5	43.4	100.6	151.5	39.9	273.1	111.8	80.2	33.4	29.3	30.3	938.4
:	1975	33.8	27.9	76.1	84.0	125.6	70.5	350.2	109.8	145.8	79.8	129.5	71.5	1,304.5
	1976	37.3	58.8	121.9	84.7	74.8	52.1	35.3	287.6	73.2	39.7	32.4	33.0	930.8
	Total	394.4	319.6	821.3	1,120.1	948.8	687.2	2,703.1	1,887.5	1,569.5	569.6	558.2	453,9	12,033.2
÷	Mean	26.3	21.3	54.8	74.7	63.3	45.8	180.2	125.8	104.6	38.0	37.2	30.3	802.2

Table B 24 MONTHLY RUN-OFF AT WAEGWAN GAUGE

Catchm(	ent Area:	Catchment Area: 11,074 km <sup>2</sup>					-	-				Unit:	106 m3
Year	Jan.	Feb	Mar.	Apr.	Мау	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1962	47.1	24.2	24.0	104.0	30.2	15.0	9.66	740.9	1,627.1	145.7	41.3	26.4	2,925.5
1963	30.5	8.2	13.8	422.9	435.5	1,712.8	2,187.5	633.5	371.2	46.6	20.4	17.4	5,880.3
1964	17.6	30.7	145.6	1,734.1	628.2	63.9	1,181.5	205.5	1,388.1	151.4	55.4	24.5	5,626.5
1965	18.0	20.0	24.4	15.9	31.5	10.8	3,184.2	457.1	238.4	118.5	240.8	7.66	4,459.0
1966	71:4	112.8	1,107.7	220.8	235.9	309.2	1,046.7	461.2	662.7	293.9	167.6	123.0	4,812.9
1967	54.3	102.1	151.]	339.9	133.6	120.7	1,148.7	131.4	606.5	102.5	79.0	112.1	3,082.0
1968	28.1	20.1	36.2	8.69	19.4	53.9	513.8	1,431.5	190.4	279.1	173.6	121.0	2,936.9
1969	106.6	430.0	241.9	912.6	505.4	101.2	502.6	2,442.0	1,802.3	419.8	117.2	87.6	7,669.2
1970	42.5	105.1	126.2	231.3	392.2	188.1	264.6	1,460.4	1,993.1	240.5	141.4	111.8	5,297.2
1971	91.6	112.0	229.9	136.9	230.7	183.6	2,056.8	917.7	277.4	135.5	73.8	54.8	4,500.7
1972	9.99	119.3	589.5	1,006.0	7.977	92.9	732.4	1,604.0	715.7	245.3	447.1	178.7	6,574.2
1973	479.5	238.8	123.2	764.0	527.0	78.4	257.6	594:1	310.9	209.0	145.4	69.3	3,497.2
1974	58.0	82.7	226.5	533.7	1,070.6	188.0	2,292.7	749.9	296.3	155.0	81.3	87.2	5,821.9
1975	8.99	50.8	258.9	398.0	664.8	217.3	2,291.6	6.16.9	983.7	338.2	342.9	205.5	6,435.4
1976	101.7	249.7	356.9	168.9	118.0	190.5	108.0	1,506.6	457.3	136.7	126.1	0.0	3,521.3
Total	1,260.3	1,706.5 3,655.9	3,655.9	6,758.8	5,799.7	3,526.3	17,868.3	13,952.7	11,921.1	3,017.7	2,253.3	1,319.6	73,040.2
Mean	84.0	113.8	243.7	450.6	386.6	235.1	1,191.2	930.2	794.7	201.2	150.2	88.0 0	4,869.3

Table B 25 MONTHLY RUN-OFF AT JINDONG GAUGE

				ř			· ;	:					Unit:	10 <sup>6</sup> m <sup>3</sup>
Catchin	Catchment Area:	20,311 km <sup>2</sup>	A. J											Total
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total	June
1962	256.4	207.5	176.8	519.0	207.6	174.9	1,007.4	3,025.4	4,013.7	656.7	302.1	244.6	10,792.1	3,324.0
1963	170.6	149.9	172.8	906.6	691.7	5,336.1	5,314.9	1,407.9	1,050.3	8.004	294.8	282.6	16,179.0	8,631.1
1964	290.7	398.1	576.8	2,546.5	1,443.5	309.1	2,141.2	527 6	2,028.8	461.1	272.7	220,1	11,216.2	6,542.9
1965	178.2	179.7	197.0	174.5	265.3	152.0	7,260.5	1,945.7	958.7	486.3	908.2	403.9	13,110.0	2,100.6
1966	285.5	352.7	2,586.6	8.609	624.7	500.8	2,291.2	1,806.1	1,730.3	562.6	306.2	219.8	11,876.3	6,758.5
1967	142.5	171.0	309.0	837.1	301.2	485.9	2,124.8	213.1	889.3	186.1	152.8	205.5	6,018.3	3,335.3
1968	97.3	73.1	117.0	168.3	88.9	119.5	973.4	3,567.2	465.1	724.6	293.4	207.2	6,895.0	1,208,5
6961	147.5	9.069	307.9	1,666.2	925.8	152.8	1,604.4	4,749.8	4,352.8	898.5	244.8	197.5	15,938.6	5,116.0
1970	154.8	181.9	246.1	471.7	817.6	562.6	5,986.1	2,815.2	4,977.7	630.0	314.0	239.9	16,497.6	3,775.5
1971	218.8	209.5	427.0	263.7	341.7	404.9	3,011.9	1,737.2	437.1	235.4	146.7	127.2	7,561.1	3,049.5
1972	117.5	178.0	819.3	1,732.4	1,358.0	185.0	2,487.5	3,059.6	1,565.9	390.6	721.0	304.0	12,918.8	4,899.5
1973	6.979	315.8	175.3	1,005.0	1,242.1	120.6	306.4	1,254.1	697.7	316.0	234.4	105.9	6,420.2	4,921.3
1974	72.6	90.8	272.0	934 2	1,779.1	533.1	4.874.0	1,420.9	503.2	483.0	169.0	154.4	11,286.3	4,338.1
1975	120.6	103.4	318.9	711.1	1,225.1	434.4	4,264.1	1,674.1	1,645.9	583.1	614.3	327.5	12,022.5	3,719.9
1976	564.2	686.3	692.6	4.64.8	0.669	808.1	486.3	1,998.5	916.9	634.5	589.0	558.3	9,098.5	5,439.9
Total	3,464.1	3,988.3	7,395.1	7.395.1 13.010.9	12.011.3	10 279 8	10.279.8 44.134.1	31,202.4	25.333.4	7.649.3	5.563.4	3. 798.4	167,830,5	
					•	•		-						
Mean	230.9	265.9	493.0	867.4	800.8	685.3	2,942.3	2,080.2	1,688.9	510.0	370.9	253.2	11,188.7	

Table B 26 MONTHLY RUN-OFF AT CHANGRI GAUGE

Catchm	Catchment Area:	925 km <sup>2</sup>										Unit:	: 106 m <sup>3</sup>
Year	Jan.	Feb.	Mar.	Apr.	Мау	June	July	Aug.	Sept.	00 €.	Nov.	Dec.	Total
1962	3.8	6.2	2.3	57.2	17.2	50.6	124.2	324.3	169.4	29.5	23.3	6 51	823.9
1963	12.8	9.5	13.8	51.4	68.1	373.8	358.4	74.2	22.7	14.3	0.9	6.4	1,009.9
1964	3.0	9.1	46.1	170.6	83.1	9.3		9.3	111.8	20.5	ຶ່ນ	4	630.3
1965	3.6	5.7	8.9	9.0	14.7	2.1	476.1	48.5	11.5	9.H	56.9	10.6	659.2
1966	4.2	10.8	145.4	28.1	27.5	17.3	158.4	254.5	98.0	30.9	19.1	10.8	805.0
1961	4.2	8.6	20.8	41.0	6.1	71.5	113.5	4.1	. 22.2	14.2	19.9	12.6	339,9
1968	3.6	2.8	15.6	19.9	7.4	8.0	73.4	223.6	22.0	71.0	28.8	16.8	492.9
1969	12.8	6.99	45.6	137.1	72.0	8.5	260.6	359.4	304.3	98.1	29.2	20.4	1,414.9
1970	13.3	25.2	38.3	68.9	86.4	130.0	408.9	142.1		56.6	30.2	22.6	1,273.5
1971	22.8	33.3	62.9	32.9	30.8	58.6	234.5	224.5		27.4	14.3	10.6	810.7
1972	27.8	43.3	141.0	103.8	192.7	36.3	283.8	247.9		33.8	62.9	26.8	7 786
1973	28.9	29.3	22.6	115.7	98.1	8.1	42.4	125.7	86.1	61.5	32.3	19.2	669 7
1974	14.0	17.1	34.0	72.5	134.8	65.6	443.7	86.4	26.0	75.0	14.5	15.9	9 666
1975	7.2	7.3	33.3	120.0	124.0	108.1	257.1	119.8	71.7	47.5	37.7	25.6	959 3
1976	24.4	56.5	58.2	33.1	62.2	63.6	38.3	291.9	48.7	35.1	26.9	27.2	766.1
Total	186.4	332.8	691.8	1,061.2	1,025.1	1,011.4	3,428.3	2,536.2	1,382.1	627.0	413.3	243.9	12,939.5
Mean	12.4	22.2	46.1	70.7	68.3	67.4	228.6	169.1	92.1	41.8	27.6	16.3	862,6
						-							

Table B 27 MONTHLY RUN-OFF AT ABROG GAUGE

Catchine	Catchment Area: 2,448 km <sup>2</sup>	2,448 k	五2										Unit:	t: 10 <sup>6 m3</sup>
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total	Total. Oct. to June
1962	11.6	17.8	6.4	88.7	3.3	23.3	281.2	447.6	662.5	47.0	32.3	19.3	1.641.0	218.5
1963	16.7	28.5	32.0	140.1	216.4	845.0	706.6	56.2	26.1	12.5	5.5	0.9	2,091.7	1.377.3
1964	4.6	76.8	51.4	362,3	•	14.6	658.4	144.6	0.945	33.5	19.2	12.8	1.974.6	0.289
1965	21.6	43.6	27.2	24.3	40.0	9	784.8	113.4	24.6	14.9	64.8	18.6	7.786.5	229.0
1966	13.0	34.3	243.4	67.8		47.9	331.7	497.5	165.7	6.07	32.3	21.9	1 579 9	
1967	18.8	25.4	38.2	80.4		74.1	234.3	ς, 80	24.8	9.5	31.5	26.9	590.5	2,68.5
1968	11.5	11.2	50.1	49.5	1.6	9.1	12.5	271.3	23.5	112.4	30.3	23.4	613.8	2080.5
1969	34.5	91.2	25.7	207.6	151.9	6.7	438.8	677.9	749.3	79.2	13.6	17.7	2,494.1	683.7
1970	26.5	32.8	33.1	69.1	78.8	55.3	660.5	178.4	548.9	132.6	135.1	40.9	1,991.8	406.3
1971	138.3	73.9	47.5	34.7	29.7	153.0	679.6	316.1	109.0	42.7	32.1	26.4	1.683.0	785 7
1972	6.6%	55.8	261.9	117.3	204.8	21.6	832.1	632.9	104.9	44.8	105.5	91.9	2,526.4	812.5
1973	85.5	53.4	37.8	183.0	410.2	13.3	60.8	249.8	162.4	62.9	38.4	26.5	1,386.9	1 025 4
1974	18.7	40.7	65.5	151.9	402.1	103.7	607.1	201.0	93.8	118.5	21.3	26.3	1.850.8	4,020 to
1975	13.7	13.5	34.7	157.7		70.8	614.1	243.6	147.5	86.3	27.0	26.6	1,507.5	יי מ זי מ זי ני
1976	20.4	89.5	52.4	34.2	84.0	334.1	19.1	80.2	27.1	15.7	21.7	30.0	808.3	754.5
Total	485.3	688.4	1,007.3	1,768.6	1,953.3	1,779.3	6,921.6	4,123.3	3,316.1	856.4	610.6	415.2	23,924.8	,
Mean	32.4	45.9	67.2	117.9	130.2	118.6	461.4	274.9	221.1	57.1	40.7	27.7	1,595.0	

Table B 28 MONTHLY SPILLOUT FROM BOSEONGGANG DAM

Catchmen	Catchment Area:	275 km <sup>2</sup>						÷				Unit:	106 =3
Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	.Dec.	Total
1962	0	ò	0	29.3	0	4.0	38.7	94.0	98.4	4.1	0	0.2	258.7
1963	0	0	0	12.6	8.6	192.9	85.8	0.1	. 0	0	0	0	301.2
1964	0	2.5	0	12.4	12.8	4.9	0	24.1	21.0	0	0	0	7.77
1965	0	;	0	0.7	0.1	0	57.0	23.0	7.0	0	3.9	0	85.1
1966	0		18.6	10.7	9.8	0	22.7	83.6	37.5	2.5	0	0	182.4
1967	0	0	0	8.2	0.1	4.1	32.1	0	0	0	0	0	44.5
1968	0	0	0	0	0	0	0	27.6	·. O	13.1	0	0	40.7
1969	0	1.5	0	10.4	9.6	0	51.4	103.9	1.09.1	1.9	0	0	287.8
1970	0	0	O	2.9	8	13.7	115.7	62.4	99.3	8.0	0	0	299.6
1971	0	0	0	0	0	52.4	60.5	36.7	15.3	0.3	0	0	165.2
1972	0	0.3	22.0	7.0	26.8	0	132.6	114.1	11.9	0.3	7.0	0	322.0
1973	0	0	o'	20.2	73.4	0	36.7	18.2	21.3	,0	: O	0	8.691
1974	0	0	0	5.4	67.8	25.9	115.2	90.3	16.1	2.4	2.6	დ დ	329.5
1975	1.3	0	0	29:3	16.6	2.1	43.1	21.7	8.8	3.0	0	Ö	125,9
1976	0	5.0	0.5	8.6	4.8	53.7	5.1	8.6	2.3	0	0	0	88.6
4 E	*		. 17	r 1	7 556	6 6 6	7 702	700	4 144	78.6		0.7	7 877 6 .
T0 . 0T	7		₹ •	7.7	4.07	100	130.0	7.060	† •	2	;	) . T	
Mean	0.09	9.0	2.7	10.5	15.6	23.6	53.1	9.97	29.4	1.9	6.0	0.3	185.2

Table B 29 ESTIMATED MONTHLY RUN-OFF AT DALCHEON DAMSITE

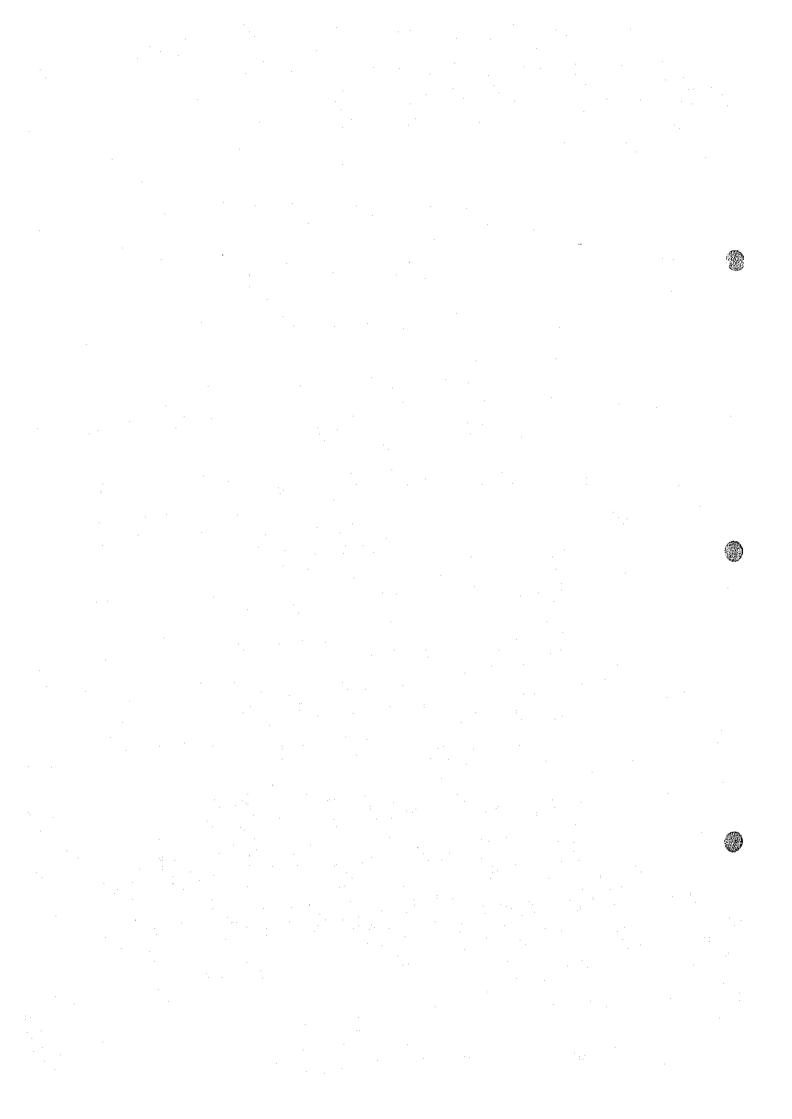
Catchme	Catchment Area: 1,348 km <sup>2</sup>	1,348 km	٦l		·							Unit:	10e m3
Year	Jan.	Feb.	Mar.	Apr.	Мау	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1962	21.2	34.0	15.7	30.8	17.0	13.6	60.2	112.4	255.7	51.2	13.5	13.3	638.6
1963	12.8	14.2	9.6	71.1	129.4	178.9	364.3	78.0	33.0	19.7	15.4	15.9	942.3
1964	15.7	14.6	23.8	278.2	66.5	17.8	243.2	254.6	279.6	46.5	16.9	10.0	1,267.4
1965	11.9	11.9	25.4	25.6	12.1	4.7	561.8	114.9	26.4	16.6	36.0	11.6	858.9
1966	8.6	12.9	78.8	14.9	24.0	71.2	338.8	128.1	145.5	27.6	24.6	16.3	891.3
1967	11.7	20.3	46.1	63.9	25.9	16.3	149.0	135.5	92.4	24.6	20.9	25.8	632.4
1968	8.6	4.5	18.1	24.2	5.8	10.2	121.6	106.8	47.8	44.3	52.3	23.6	467.8
1969	12.3	73.8	50.1	125.4	121.0	15.3	157.2	488.8	210.2	43.8	16.5	8.1	1,322.5
1970	5.7	14.8	14.9	43.3	30.8	23.2	327.1	116.9	335.9	88.0	38.3	23.1	1,062.0
1971	16.9	13.0	55.3	41.4	49.7	56.0	419.5	196.1	85.5	30.4	12.5	12.7	989.0
1972	13.6	24.0	117.4	80.1	47.2	19.0	70.5	339.7	1.32.4	89.5	80.3	85.4	1,099.1
1973	126.4	98.8	78.8	98.8	102.1	58.9	124.7	123.1	113.7	76.2	62.5	50.5	1,114.5
1974	39.2	29.6	27.7	161.4	197.5	56.2	244.9	91.1	59.9	30.1	17.4	12.1	967.1
1975	9.6	6.6	32.6	80.1	86.8	9.2	218.3	131.0	151.3	4.7.4	43.4	9.95	866.2
1976	7.6	42.5	19.3	68.7	41.2	16.5	45.4	399.0	68.1	55.6	47.3	51.9	863.1
	· .								٠.			-	
Total	321.8	418.8	613.6	1,207.9	957.0	567.0	3,446.5	2,816.0	2,037.4	691.5	497.8	6.905	13,982.2
Mean	21.5	27.9	6.04	80.5	63.8	37.8	229.8	187.7	135.8	7,97	33.2	25.1	932.1

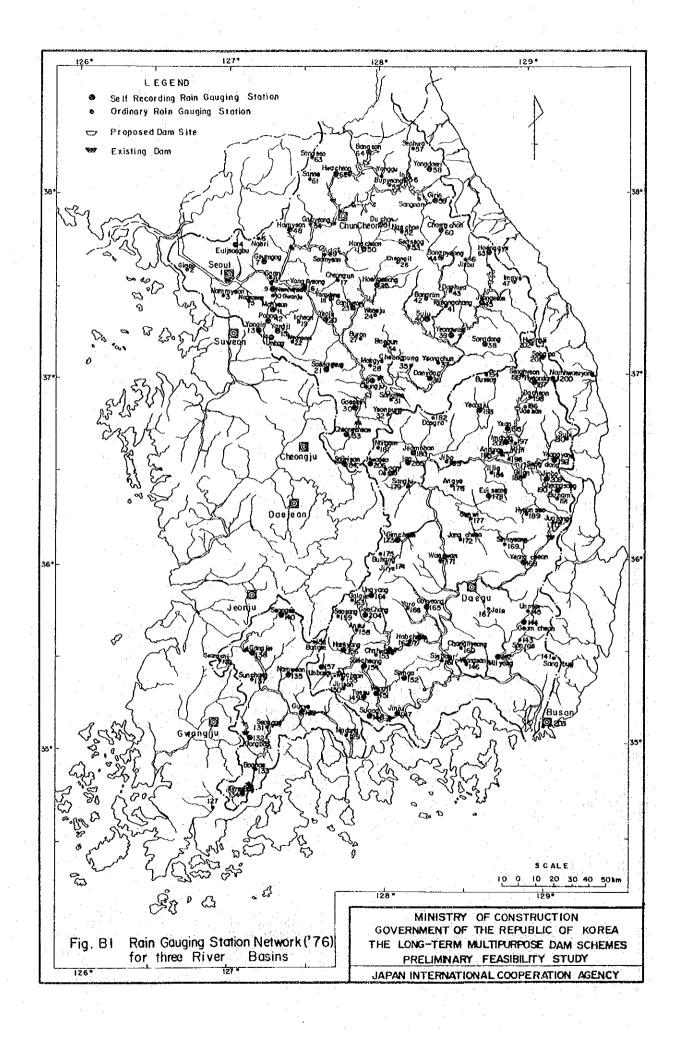
Table B 30 ESTIMATED MONTHLY RUN-OFF AT GANHYEON DAMSITE

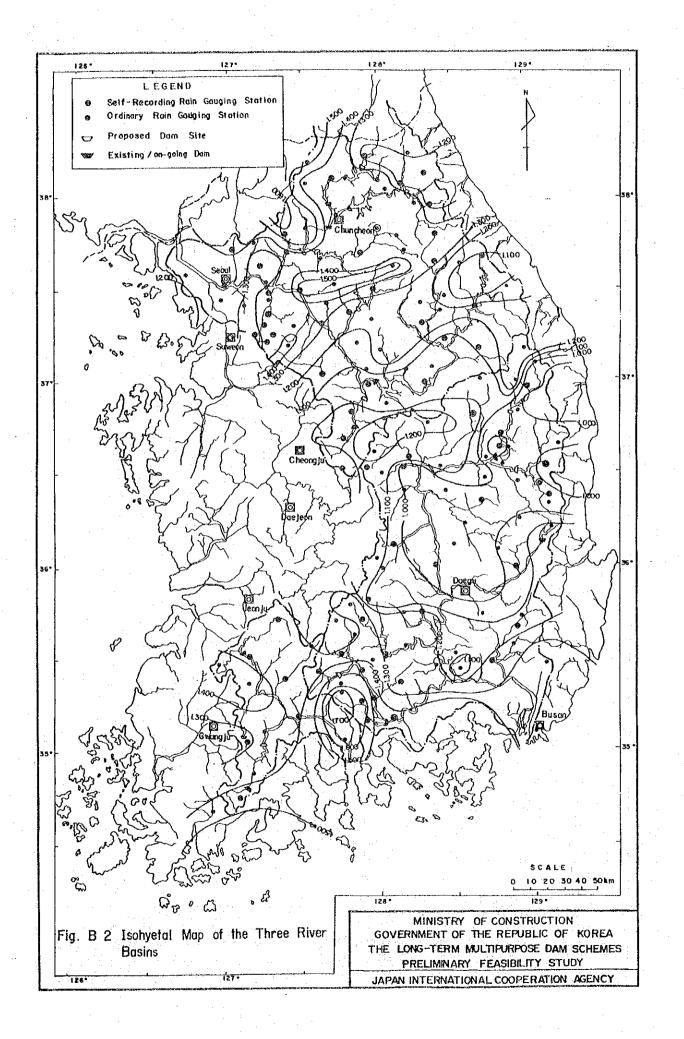
Year 1962													
1962	Jan.	Feb.	Mar.	Apr.	Мау	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
	27.2	52.6	18.7	56.6	15.8	15.2	95.6	124.3	117.4	62.8	13,4	13.7	613.3
1963	18.1	19.4	10.5	80.9	39.4	150.5	284.8	93.0	33.9	25.7	24.9	24.0	805.1
1964	23.1	19.8	13.7	205.0	41.7	14,2	245.4	178.9	245.0	54.1	8.11	7.3	1,060.0
1965	13.1	7.6	9.0	43.1	14.4	8.6	260.8	118.8	26.0	21,7	7.97	18.5	579.6
1966	11.8	7.2	87.4	9.8	19.2	6.7	531.4	164.4	151.1	23.3	20.9	5.5	1,038.7
1961	14.8	28.3	56.5	74.6	37.0	3.2	93.0	113.9	88.1	29.9	22.8	27.2	589.3
1968	6.2	3.1	14.8	20.6	7.5	16.2	125.4	118.8	78.2	45.0	62.6	19.4	517.8
1969	8.2	53.9	53.7	79.0	119.8	19.3	58.1	421.3	198.5	42.9	7.3	5.1	1,067.1
1970	4.0	16.7	3.7	10.3	18.7	13.7	323.0	87.7	260.1	91.5	34.6	29.9	893.9
1971	12.7	7.9	99	59.2	69.5	17.2	357.2	168.7	90.9	38,3	16.7	18.6	922.9
1972	17.7	24.3	48.4	6.99	56.5	24.3	33.8	359.1	131.1	149.8	89.8	130.5	1,132.2
1973	195.1	162.1	144.5	157.3	152.1	106.1	184.4	174.0	188.1	141.2	112.5	89.3	1,806.7
1974	71.5	47.6	. <del>⊢</del>	220.9	309.8	90.3	233.6	133.9	79.2	7.87	27.4	16.6	1,281.0
1975	14.3	16.9	32.0	98.6	111.7	4.0	203.5	157.6	42.1	57.5	63.8	9.69	871.6
1976	N Ø	30.6	9.0	58.4	55.7	24.0	82.0	352.7	88.2	100.3	83.1	86.2	987.6
Total	443.6	518.0	552.9	1,241.2	1,068.8	513.5	3,112.0	2,767.1	1,817.9	932.4	638.0	561.4	14,166.8
Mean	29.6	34.5	36.9	82.7	71.3	34.2	207.5	184.5	121.2	62.2	42.5	37.4	944.5

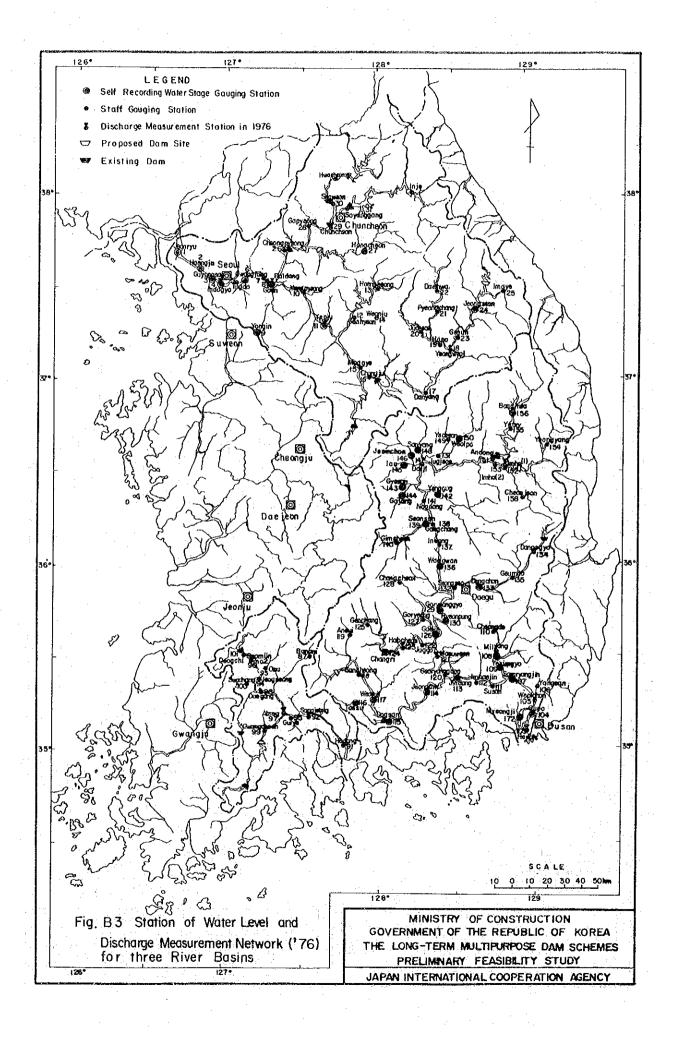
Table B 31 ESTIMATED MONTHLY RUN-OFF AT JUAM DAMSITE

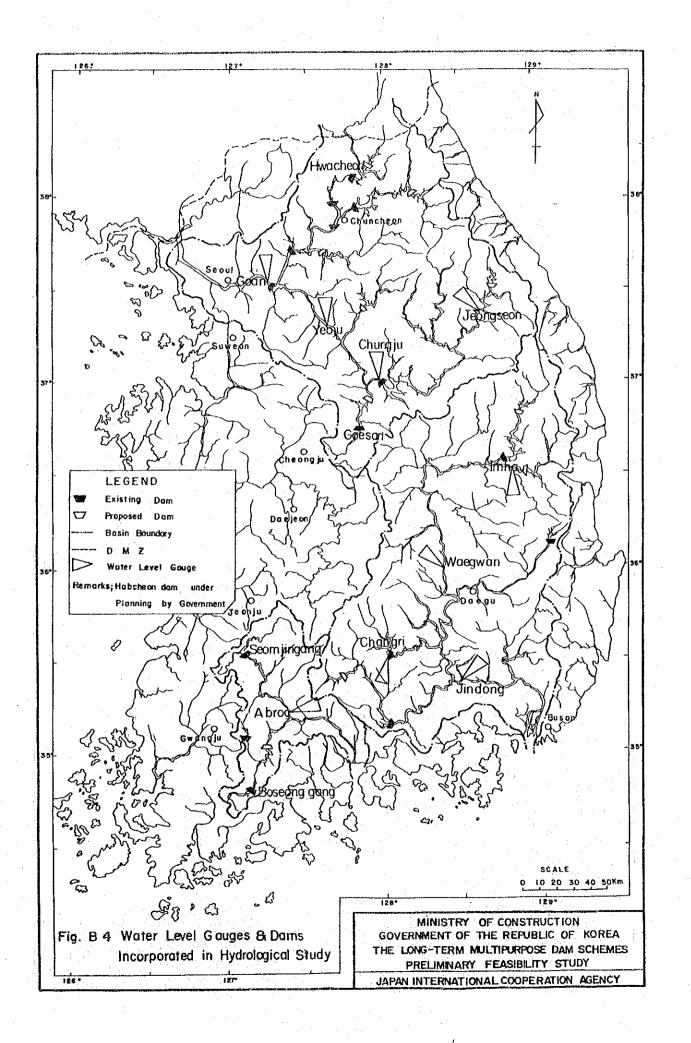
Year         Jan.         Feb.         Mar.         Abr.         June         July         Aug.         Sept.         Oct.         Nov.         Dec.         Total           1962         3.9         6.0         2.2         59.2         1.1         11.9         133.5         234.8         321.7         19.9         10.9         6.0         81.1           1963         5.6         9.6         10.8         59.8         82.7         163.0         323.9         19.0         8.8         7.2         4.3         2.0         696.7           1964         1.6         28.4         17.3         134.5         63.5         9.8         221.9         19.0         8.8         7.2         4.3         2.0         696.7           1965         4.4         11.6         100.6         33.5         35.0         16.1         13.9         251.3         93.3         16.3         16.3         16.4         4.2         4.3         4.3         4.4         4.4         11.6         100.6         33.1         4.2         8.1         10.1         13.9         321.3         8.4         3.2         10.9         6.3         46.4         4.3         10.9         10.9         10.	Catchin	Catchment Area: 1,010 km <sup>2</sup>	1,010 km	- <mark>-</mark> -5									Umit:	106 ш3
3.9         6.0         2.2         59.2         1.1         11.9         133.5         234.8         321.7         19.9         10.9         6.0           5.6         9.6         10.8         59.8         82.7         163.0         323.9         19.0         8.8         7.2         4.3         2.0           1.6         28.4         17.3         134.5         63.5         9.8         221.9         72.8         171.3         11.3         6.5         4.3           7.3         14.7         9.2         8.9         13.6         2.3         321.5         61.2         8.7         5.0         25.7         6.3           4.4         11.6         100.6         33.5         16.1         139.9         251.3         93.3         16.3         10.9         7.4           6.3         8.6         12.9         35.0         16.1         111.1         3.3         8.4         3.2         10.9         7.4           11.6         32.2         8.9         29.1         111.1         3.3         8.4         3.2         10.9         7.4           6.3         3.8         4.9         15.3         16.1         11.1         13.1	Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
5.6         9.6         10.8         59.8         82.7         163.0         323.9         19.0         8.8         7.2         4.3         2.0           1.6         28.4         17.3         134.5         63.5         9.8         221.9         72.8         171.3         11.3         6.5         4.3           7.3         14.7         9.2         8.9         13.6         2.3         321.5         61.2         8.7         5.0         25.7         6.3           4.4         11.6         100.6         33.5         35.0         16.1         139.9         251.3         16.3         10.9         7.4           6.3         8.6         12.9         33.5         35.0         16.1         111.1         3.3         8.4         3.2         10.6         9.1           11.6         100.6         33.5         3.0         16.1         111.1         3.3         8.4         3.2         10.6         9.1           11.6         32.2         8.7         40.9         29.1         111.1         3.3         4.5         4.6         9.1         7.5           11.6         32.2         28.1         111.1         3.2         28.3 <td< td=""><td>1962</td><td>3.9</td><td>6.0</td><td>2.2</td><td>59.2</td><td>1.1</td><td>11.9</td><td>133.5</td><td>234.8</td><td>321.7</td><td>19.9</td><td>10.9</td><td>6.0</td><td>811.1</td></td<>	1962	3.9	6.0	2.2	59.2	1.1	11.9	133.5	234.8	321.7	19.9	10.9	6.0	811.1
1.6         28.4         17.3         134.5         63.5         9.8         221.9         72.8         171.3         11.3         6.5         4.3           7.3         14.7         9.2         8.9         13.6         2.3         321.5         61.2         8.7         5.0         25.7         6.3           4.4         11.6         100.6         33.5         35.0         16.1         139.9         251.3         93.3         16.9         7.4           6.3         8.6         12.9         35.3         5.9         29.1         111.1         3.3         8.4         3.2         10.9         7.4           3.9         3.8         16.9         15.7         11.1         3.3         8.4         3.2         10.9         7.4           3.9         3.8         16.9         15.7         4.7         4.7         7.9         5.1         10.9         7.9           11.6         32.2         8.7         19.3         33.3         143.2         28.3         45.5         13.8         45.5         13.8           46.6         24.9         10.0         104.0         289.5         143.0         28.3         45.5         12.9 <t< td=""><td>1963</td><td>5.6</td><td>9.6</td><td>10.8</td><td>59.8</td><td>82.7</td><td>163.0</td><td>323.9</td><td>19.0</td><td>8,8</td><td>7.2</td><td>4.3</td><td>2.0</td><td>696. 7</td></t<>	1963	5.6	9.6	10.8	59.8	82.7	163.0	323.9	19.0	8,8	7.2	4.3	2.0	696. 7
7.3         14,7         9.2         8.9         13.6         2.3         321.5         61.2         8.7         5.0         25.7         6.3           4.4         11.6         100.6         33.5         35.0         16.1         139.9         251.3         93.3         16.3         10.9         7.4           6.3         8.6         12.9         35.3         5.9         29.1         111.1         3.3         8.4         3.2         10.6         9.1           3.9         3.8         16.9         16.7         3.1         3.1         4.2         91.4         7.9         51.0         10.6         9.1           11.6         32.2         8.7         3.1         4.2         91.4         7.9         51.0         10.2         7.9           11.6         32.2         13.1         4.2         199.3         332.4         47.3         46.5         9.2         13.0         10.6	1967	1.6	28.4	17.3	134.5	63.5	6.6	221.9	72.8	171.3	11.3	6.5	4.3	743.2
4.4         11.6         100.6         33.5         35.0         16.1         139.9         251.3         16.3         10.9         7.4           6.3         8.6         12.9         35.3         5.9         29.1         111.1         3.3         8.4         3.2         10.6         9.1           3.9         3.6         16.7         3.1         3.1         4.2         91.4         7.9         51.0         10.2         7.9           11.6         32.2         8.7         30.4         60.8         2.3         199.3         332.4         361.6         28.6         4.6         7.5         13.8           46.6         24.9         11.1         10.0         104.0         289.5         143.2         52.0         14.7         10.8         8.9           46.6         24.9         11.7         10.0         104.0         289.5         143.2         52.0         14.7         10.8         8.9           16.8         19.1         110.3         46.5         95.8         7.3         413.0         328.4         47.3         15.4         42.6         31.0           16.8         19.1         110.3         46.5         95.8         7.3<	1965	7 3	14.7	9.2	8.9	13.6	2:3	321.5	61.2	8.7	5.0	25.7	6 3	484.4
6.3 8.6 12.9 35.3 5.9 29.1 111.1 3.3 8.4 3.2 10.6 9.1 11.1 3.3 8.6 3.8 16.9 16.7 3.1 3.1 4.2 91.4 7.9 51.0 10.2 7.9 11.6 32.2 8.7 80.4 60.8 2.3 199.3 332.4 361.6 28.6 4.6 7.5 13.8 46.6 24.9 11.1 11.2 26.1 31.4 32.3 338.3 122.5 283.3 45.5 45.5 13.8 46.6 24.9 16.0 11.7 10.0 104.0 289.5 143.2 52.0 14.7 10.8 8.9 16.8 19.1 110.3 46.5 95.8 7.3 413.0 328.4 47.3 15.4 42.6 31.0 139.3 18.0 12.7 81.9 211.6 4.5 57.2 102.4 76.0 22.2 12.9 8.9 4.9 13.7 22.1 56.6 203.3 60.7 319.8 158.0 47.7 42.3 9.8 12.7 5.9 4.5 11.7 82.4 40.9 26.0 250.1 103.8 58.5 32.1 9.1 9.0 6.9 35.2 18.2 20.1 33.1 166.3 11.5 35.6 11.4 5.3 7.3 10.1 175.3 241.4 380.8 753.6 891.8 638.7 3,134.7 2,060.1 1,557.9 320.0 221.7 144.9 10.1 11.7 16.1 25.4 50.2 59.5 42.6 209.0 137.3 103.9 21.3 14.8 9.7	1966	4.4	11.6	100.6	33.5	35.0	16.1	139.9	251.3	93.3	16.3	10.9	7.4	720.3
3.9         3.6         16.9         16.7         3.1         4.2         91.4         7.9         51.0         10.2         7.9           11.6         32.2         8.7         80.4         60.8         2.3         199.3         332.4         361.6         28.6         4.6         7.5         13.8           8.9         11.1         11.2         26.1         31.4         32.3         338.3         122.5         283.3         45.5         45.5         13.8           46.6         24.9         16.0         11.7         10.0         104.0         289.5         143.2         52.0         14.7         10.8         8.9           46.6         24.9         11.7         10.0         104.0         289.5         143.2         52.0         14.7         10.8         8.9           46.6         295.8         7.3         413.0         328.4         47.3         15.4         42.6         31.0         13.0           39.3         18.0         12.7         81.9         211.6         4.5         57.2         102.4         76.0         22.2         12.9         8.9           4.5         11.7         82.4         40.9         26.0 <t< td=""><td>1967</td><td>6 3</td><td>8.6</td><td>12.9</td><td>35.3</td><td>6.5</td><td>29.1</td><td>111.1</td><td>3.3</td><td>4.8</td><td>3.2</td><td>10.6</td><td>1.6</td><td>243.8</td></t<>	1967	6 3	8.6	12.9	35.3	6.5	29.1	111.1	3.3	4.8	3.2	10.6	1.6	243.8
11.6       32.2       8.7       80.4       60.8       2.3       199.3       332.4       361.6       28.6       4.6       7.5       13.8         8.9       11.1       11.2       26.1       31.4       32.3       338.3       122.5       283.3       45.5       45.5       13.8         46.6       24.9       16.0       11.7       10.0       104.0       289.5       143.2       52.0       14.7       10.8       8.9         16.8       19.1       110.3       46.5       95.8       7.3       413.0       328.4       47.3       15.4       42.6       31.0         39.3       18.0       12.7       81.9       211.6       4.5       57.2       102.4       76.0       22.2       12.9       8.9         6.3       13.7       22.1       56.6       203.3       60.7       319.8       158.0       47.7       42.3       9.8       12.7         5.9       4.5       11.7       82.4       40.9       26.0       250.1       103.8       58.5       32.1       9.1       9.0         6.9       35.2       18.2       20.1       33.4       2,060.1       1,557.9       320.0       221.7	1968	3.9	8 6	16.9	16.7	3.1	3.1	4.2	91.4	7.9	51.0	10.2	7.9	220.1
8.9       11.1       11.2       26.1       31.4       32.3       338.3       122.5       283.3       45.5       45.5       13.8         46.6       24.9       16.0       11.7       10.0       104.0       289.5       143.2       52.0       14.7       10.8       8.9         16.8       19.1       110.3       46.5       95.8       7.3       413.0       328.4       47.3       15.4       42.6       31.0       13.0         39.3       18.0       12.7       81.9       211.6       4.5       57.2       102.4       76.0       22.2       12.9       8.9         6.3       13.7       22.1       56.6       203.3       60.7       319.8       158.0       47.7       42.3       9.8       12.7         5.9       4.5       11.7       82.4       40.9       26.0       250.1       103.8       58.5       32.1       9.1       9.0         6.9       35.2       18.2       20.1       33.1       166.3       11.5       35.6       11.4       5.3       7.3       10.1         175.3       241.4       380.8       753.6       891.8       638.7       3,134.7       2,060.1       1,557.9	1969	11.6	32.2	8.7	7 08	60.8	2.3	199.3	332.4	361.6	28.6	4.6	7.5	1,130.0
46.6       24.9       16.0       11.7       10.0       104.0       289.5       143.2       52.0       14.7       10.8       8.9         16.8       19.1       110.3       46.5       95.8       7.3       413.0       328.4       47.3       15.4       42.6       31.0       31.0         39.3       18.0       12.7       81.9       211.6       4.5       57.2       102.4       76.0       22.2       12.9       8.9         6.3       13.7       22.1       56.6       203.3       60.7       319.8       158.0       47.7       42.3       9.8       12.7         5.9       4.5       11.7       82.4       40.9       26.0       250.1       103.8       58.5       32.1       9.1       9.0         6.9       35.2       18.2       20.1       33.1       166.3       11.5       35.6       11.4       5.3       7.3       10.1         175.3       241.4       380.8       753.6       891.8       638.7       3,134.7       2,060.1       1,557.9       320.0       221.7       144.9       10.1         11.7       16.1       25.4       59.5       42.6       209.0       137.3       1	1970	8.9	11.1	11.2	26.1	31.4	32.3	338.3	122.5	283.3	45.5	45.5	13.8	6*696
16.8     19.1     110.3     46.5     95.8     7.3     413.0     328.4     47.3     15.4     42.6     31.0       39.3     18.0     12.7     81.9     211.6     4.5     57.2     102.4     76.0     22.2     12.9     8.9       6.3     13.7     22.1     56.6     203.3     60.7     319.8     158.0     47.7     42.3     9.8     12.7       5.9     4.5     11.7     82.4     40.9     26.0     250.1     103.8     58.5     32.1     9.1     9.0       6.9     35.2     18.2     20.1     33.1     166.3     11.5     35.6     11.4     5.3     7.3     10.1       175.3     241.4     380.8     753.6     891.8     638.7     3,134.7     2,060.1     1,557.9     320.0     221.7     144.9     10       11.7     16.1     25.4     50.2     59.5     42.6     209.0     137.3     103.9     21.3     14.8     9.7	1971	9.97	24.9	16.0	11.7	10.0	104.0	289.5	143.2	52.0	14.7	10.8	o 80	732.3
39.3 18.0 12.7 81.9 211.6 4.5 57.2 102.4 76.0 22.2 12.9 8.9 6.3 13.7 22.1 56.6 203.3 60.7 319.8 158.0 47.7 42.3 9.8 12.7 5.9 4.5 11.7 82.4 40.9 26.0 250.1 103.8 58.5 32.1 9.1 9.0 6.9 35.2 18.2 20.1 33.1 166.3 11.5 35.6 11.4 5.3 7.3 10.1 175.3 241.4 380.8 753.6 891.8 638.7 3,134.7 2,060.1 1,557.9 320.0 221.7 144.9 10 11.7 16.1 25.4 50.2 59.5 42.6 209.0 137.3 103.9 21.3 14.8 9.7	1972	16.8	19.1	110.3	46.5	95.8	7.3	413.0	328.4	47.3	15.4	42.6	31.0	1,173.5
6.3 13.7 22.1 56.6 203.3 60.7 319.8 158.0 47.7 42.3 9.8 12.7 5.9 4.5 11.7 82.4 40.9 26.0 250.1 103.8 58.5 32.1 9.1 9.0 6.9 35.2 18.2 20.1 33.1 166.3 11.5 35.6 11.4 5.3 7.3 10.1 175.3 241.4 380.8 753.6 891.8 638.7 3,134.7 2,060.1 1,557.9 320.0 221.7 144.9 10 11.7 16.1 25.4 50.2 59.5 42.6 209.0 137.3 103.9 21.3 14.8 9.7	1973	39.3	18.0	12.7	81.9	211.6	4.5	57.2	102.4	76.0	22.2	12.9	6.8	647.6
5.9 4.5 11.7 82.4 40.9 26.0 250.1 103.8 58.5 32.1 9.1 9.0 6.9 35.2 18.2 20.1 33.1 166.3 11.5 35.6 11.4 5.3 7.3 10.1 175.3 241.4 380.8 753.6 891.8 638.7 3,134.7 2,060.1 1,557.9 320.0 221.7 144.9 10 11.7 16.1 25.4 50.2 59.5 42.6 209.0 137.3 103.9 21.3 14.8 9.7	1974	6.3	13.7	22.1	56.6	203.3	60.7	319.8	158.0	47.7	42.3	8.6	12.7	953.0
6.9 35.2 18.2 20.1 33.1 166.3 11.5 35.6 11.4 5.3 7.3 10.1 175.3 241.4 380.8 753.6 891.8 638.7 3,134.7 2,060.1 1,557.9 320.0 221.7 144.9 10 11.7 16.1 25.4 50.2 59.5 42.6 209.0 137.3 103.9 21.3 14.8 9.7	1975	5.9	4.5	11.7	82.4	40.9	26.0	250.1	103.8	58.5	32.1	6	0.6	634.0
175.3 241.4 380.8 753.6 891.8 638.7 3,134.7 2,060.1 1,557.9 320.0 221.7 144.9 10, 11.7 16.1 25.4 50.2 59.5 42.6 209.0 137.3 103.9 21.3 14.8 9.7	1976	6.9	35.2	18.2	20.1	33.1	166.3	11.5	35.6	11.4	5.3	7.3	10.1	361.0
11.7 16.1 25.4 50.2 59.5 42.6 209.0 137.3 103.9 21.3 14.8 9.7	Total	175.3	241.4	380.8	753.6	891.8	638.7	3,134.7	2,060.1	1,557.9	320.0	221.7	144.9	10,520.9
	Mean	11.7	16.1	25.4	50.2	59.5	42.6	209.0	137.3	103.9	21.3	14.8	9.7	701.4

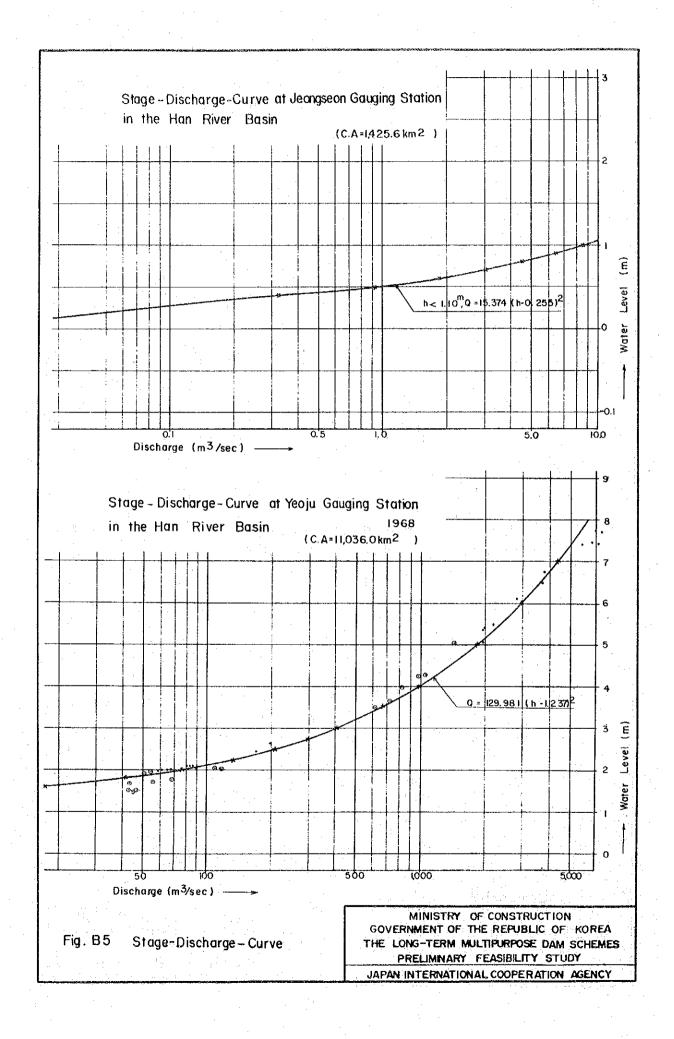


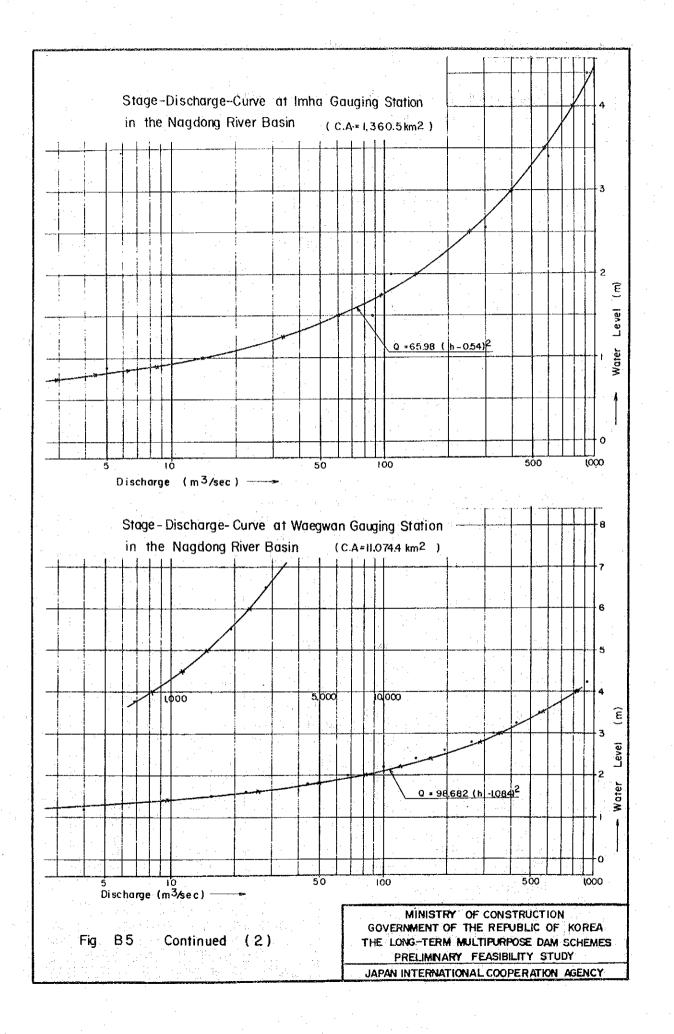












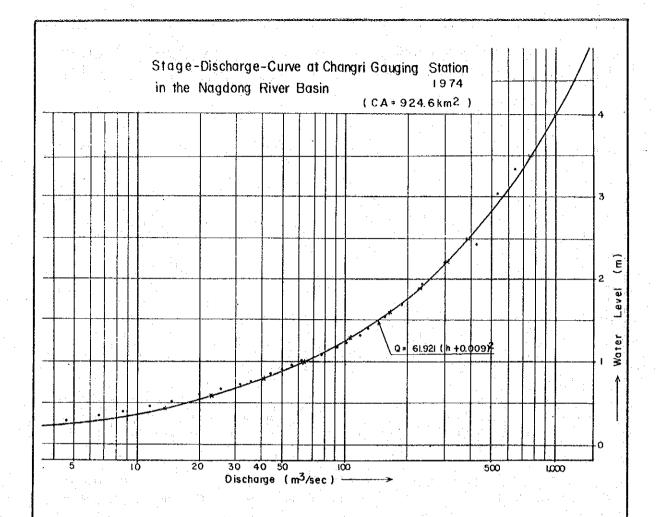


Fig. B5 Continued (3)

MINISTRY OF CONSTRUCTION
GOVERNMENT OF THE REPUBLIC OF KOREA
THE LONG-TERM MULTIPURPOSE DAM SCHEMES
PRELIMINARY FEASIBILITY STUDY

JAPAN INTERNATIONAL COOPERATION AGENCY

