

No.

Japan International Cooperation Agency
Ministry of Agriculture and Rural Development
The Socialist Republic of Vietnam

**The Study
on
Nationwide Water Resources
Development and Management
in
the Socialist Republic of Vietnam**

Final Report

Volume VIII

Data Book

September 2003

**Nippon Koei Co., Ltd.
Nikken Consultants, Inc.**

S S S
J R
03 - 113

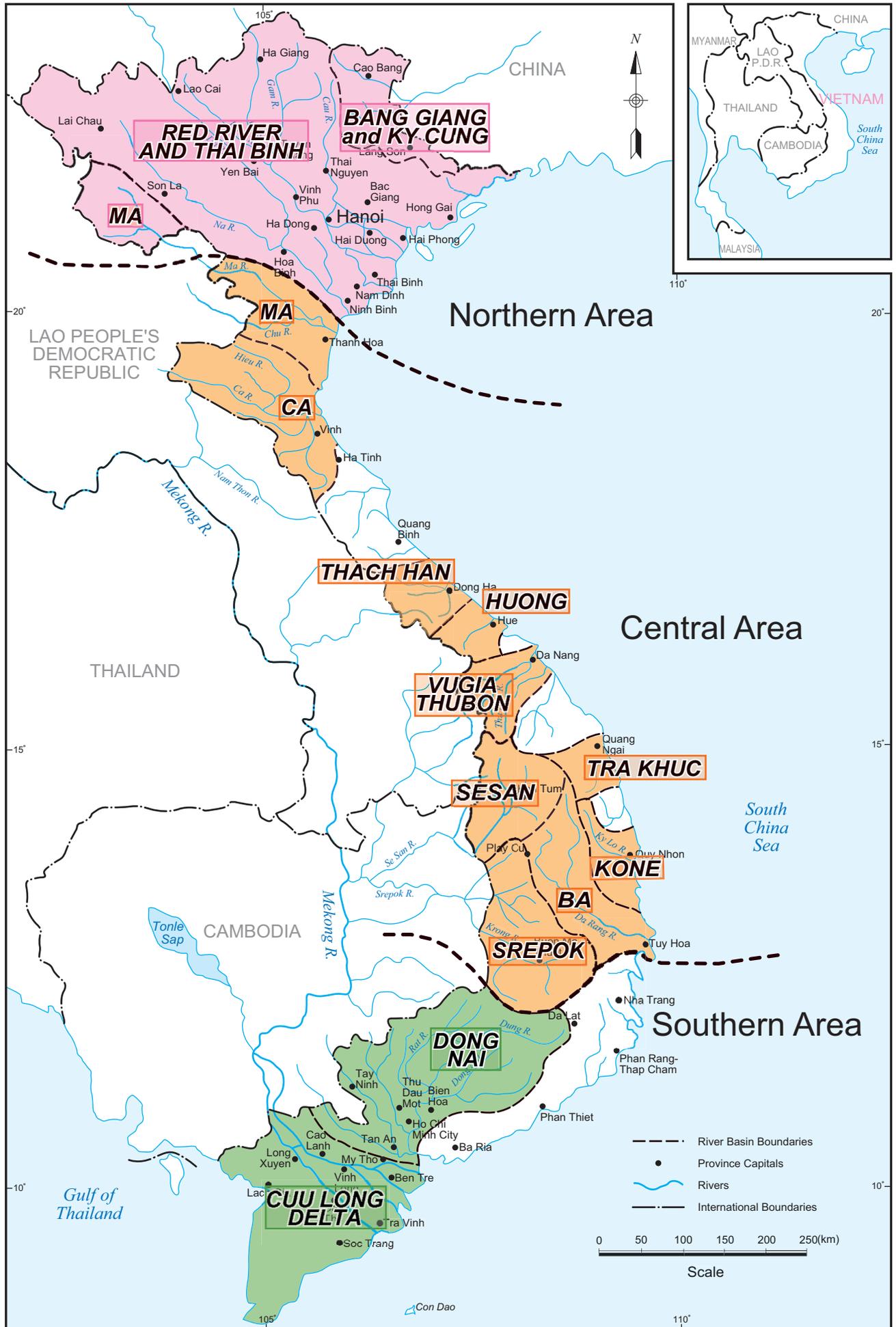
COMPOSITION OF FINAL REPORT

Volume I	Executive Summary
Volume II	Phase 1, Main Report
Volume III	Phase 2-1, Main Report
Volume IV	Phase 2-2, 2-3, Main Report
Volume V	Phase 1, Supporting Report
Volume VI	Phase 2-1, Supporting Report
Volume VII	Phase 2-2, 2-3, Supporting Report
Volume VIII	Data Book

Exchange Rates

US\$ 1 = Vietnamese Dong 15,068
Yen 100 = Vietnamese Dong 12,212

As of December 3, 2001



Location Map of Study Area

THE STUDY
ON
NATIONWIDE WATER RESOURCES DEVELOPMENT AND MANAGEMENT
IN
THE SOCIALIST REPUBLIC OF VIETNAM

FINAL REPORT

Data Book

Composition

- A Hydro-Meteorological Data**
- B Calculation Sheets of Irrigation Water Demand**
- C Inventory of Flora and Fauna**

Abbreviations

1. Organization

ADB	: Asian Development Bank
AFD	: Agence Française de Développement
AusAID	: Australian Agency for International Development
BARD	: Bank of Agriculture and Rural Development
CWRET	: Center of Water Resources and Environment Technology
DANIDA	: Danish International Development Assistance
DARD	: Department of Agriculture and Rural Development
DOSTE	: Department of Science, Technology and Environment
DSI	: Development Strategy Institute
EPRI	: Electric Power Research Institute
EVN	: Electricity of Vietnam
ESCAP	: United Nations Economic and Social Commission for Asia and the Pacific
FAO	: Food and Agriculture Organization
FPD	: Forest Protection Department
GSO	: General Statistical Office
HEC 1	: Hydraulic Engineering Consultants Corp. No.1
HMS	: Hydro Meteorological Service
IBRD	: International Bank for Reconstruction and Development
ICD	: International Cooperation Department
IUCN	: International Union for Conservation of Nature and National Resources/ World Conservation Union
ISG	: International Support Group
IFEP	: Institute of Fishery Economics and Planning
IWRP	: Institute of Water Resources Planning
IWRR	: Institute of Water Resources Research
JBIC	: Japan Bank for International Cooperation
JICA	: Japan International Cooperation Agency
MABR	: Man and the Biosphere Reserve
MARD	: Ministry of Agriculture and Rural Development
MOF	: Ministry of Fishery
MOH	: Ministry of Health
MONRE	: Ministry of Natural Resources and Environment
MOSTE	: Ministry of Science, Technology and Environment
MOTC	: Ministry of Transport and Communication
MPI	: Ministry of Planning and Investment
NEA	: National Environmental Agency
NGO	: Non-governmental Organization
NIAPP	: National Institute of Agricultural Planning and Projection
NWRC	: National Water Resources Council
PC	: People's Committee

PECC2	: Power Engineering and Consulting Company No.2
SBV	: State Bank of Vietnam
UN	: United Nations
UNDP	: United Nations Development Programme
UNESCO	: United Nation Educational, Scientific and Cultural Organization
USDA	: United States Department of Agriculture
VNMC	: Vietnam National Mekong Committee
WB	: World Bank (International Bank for Reconstruction and Development)
WHO	: World Health Organization
WWF	: World Wide Fund for Nature

2. Unit

MW	: mega-watt	km	: kilometer
kW	: kilo-watt	km ²	: square kilometer
MWh	: mega-watt hour	ha	: hectare
kWh	: kilo-watt hour	mile ²	: square mile
GWh	: giga-watt hour	m ³	: cubic meter
GWh/yr	: giga-watt hour per year	m ³ /year	: cubic meter per year
kV	: kilo volt	m ³ /sec, m ³ /s	: cubic meter per second
MVA	: mega-volt ampere	m ³ /sec/km ²	: cubic meter per second per square kilometer
mm	: millimeter	feet ³ /sec/miles ²	: cubic feet per second per square mile
mm/day	: millimeter per day	g	: gram
mm/year	: millimeter per year	mg/l	: milligram per liter
m	: meter	Mm ³	: million cubic meter
m/s or m/sec	: meter per second	MCM	: million cubic meters
m/sec ²	: meter per square second		

3. Currency

VND	: Vietnamese Dong
US\$: US Dollar
JPY	: Japanese Yen

4. Others

AC	: Alternating Current
BOD	: Biochemical Oxygen Demand
C.A.	: Catchment Area
C-Cycle	: Combined Cycle
CHES	: Cultural and Historical Environmental Site
COD	: Chemical Oxygen Demand
CPI	: Consumer Price Index
DO	: Dissolved Oxygen
DP	: Dynamic Programming
EGEAS	: Electric Generation Expansion Analysis System
EIA	: Environmental Impact Assessment

EIRR	: Economic Internal Rate of Return
FC	: Foreign Currency
FDI	: Foreign Direct Investment
F.M.	: Finess Modulus
FIRR	: Financial Internal Rate of Return
FSL	: Full Supply Level
FWL	: Flood Water Level
GDP	: Gross Domestic Products
GNP	: Gross National Products
GRDP	: Gross Regional Domestic Products
HCM	: Ho Chi Minh
HCMC	: Ho Chi Minh City
HPP	: Hydropower Project
ICB	: International Competitive Bid
IEE	: Initial Environmental Examination
IPP	: Independent Power Producer
LC	: Local Currency
LCB	: Local Competitive Bid
LEP	: Law on Environmental Protection
LOLP	: Loss of Load Probability
LRMC	: Long Run Marginal Cost
MDD	: Maximum Dry Density
MIT	: Massachusetts Institute of Technology
MOL	: Minimum Operation Level
NGO	: Non-Governmental Organization
ODA	: Official Development Aid
OMC	: Optimum Moisture Content
PMP	: Probable Maximum Precipitation
RAC	: Resettlement Action Committee
RAP	: Resettlement Action Plan
RBO	: River Basin Organization
ROE	: Return on Equity
SCF	: Standard Conversion Factor
SGS	: Streamflow Gauging Station
SME	: Small and Medium Enterprises
SRMC	: Short-Run Marginal Cost
SS	: Suspended Solids
UFW	: Unaccounted For Water
VAT	: Value Added Tax
WASP	: Wien Automatic System Planning Package

A Hydro-Meteorological Data

Data Book A

Hydro-Meteorological Data

Table of Contents

1	DAILY RAINFALL DATA	Page
	Table: List of Daily Rainfall Data	A1-1
	Table: Availability of Meteorological Data	A1-6
	Bang Giang and Ky Cung River Basin.....	A1-8
	Red and Thai Binh River Basin.....	A1-44
	Ma River Basin.....	A1-64
	Ca River Basin.....	A1-115
	Thach Han River Basin	A1-162
	Huong River Basin	A1-184
	Vu Gia-Thu Bon River Basin	A1-217
	Tra Khuc River Basin	A1-259
	Kone River Basin	A1-295
	Ba River Basin.....	A1-351
	Sesan River Basin.....	A1-392
	Srepok River Basin.....	A1-421
	Dong Nai River Basin	A1-475
	Cuu Long (Mekong) Delta	A1-485
2	DAILY DISCHARGE DATA	
	Table: List of Daily Discharge Data.....	A2-1
	Table: Availability of Hydrological Data.....	A2-4
	Bang Giang and Ky Cung River Basin.....	A2-5
	Red and Thai Binh River Basin.....	A2-27
	Ma River Basin.....	A2-76
	Ca River Basin.....	A2-98
	Thach Han River Basin	A2-127
	Huong River Basin	A2-129
	Vu Gia-Thu Bon River Basin	A2-143
	Tra Khuc River Basin	A2-156
	Kone River Basin	A2-165
	Ba River Basin.....	A2-173
	Sesan River Basin.....	A2-187
	Srepok River Basin.....	A2-199
	Dong Nai River Basin	A2-220
	Cuu Long (Mekong) Delta	A2-240

Table: List of Daily Rainfall Data

01 Bang Giang and Ky Cung River Basin

Station Name	Location		Province	Collected Data	Total year	HYMOS No.
	Longitude	Latitude				
Dinh Lap	107.06	21.32	Lang Son	1976–2000	25	BG07
Lang Son	106.46	21.50	Lang Son	1976–2000	25	BG05
Ngan Son	105.59	22.26	Cao Bang	1976–2000	25	BG03
Loc Binh	106.55	21.45	Cao Bang	1976–1978.1980–1989 .1991–2000	23	BG06
Cao Bang	106.14	22.39	Cao Bang	1976–2000	25	BG02

02 Red and Thai Binh River Basin

Station Name	Location		Province	Collected Data	Total year	HYMOS No.
	Longitude	Latitude				
Hanoi	105.51	21.01	Ha Noi	1956–2000	45	RT01
Thai Binh	106.21	20.27	Thai Binh	1976–2000	25	RT02

03 Ma River Basin

Station Name	Location		Province	Collected Data	Total year	HYMOS No.
	Longitude	Latitude				
Thuong Xuan (Cua Dat)	105.14	19.49	Thanh Hoa	1976.1978–1990	14	M005
Bat Mot (BatBot)	105.03	20.01	Thanh Hoa	1976–2000	25	M006
Lang Chanh	105.14	20.09	Thanh Hoa	1976–2000	25	M007
Ba Thuoc (CanhNong)	105.13	20.21	Thanh Hoa	1976–1979.1981–1990	14	M008
Song Ma	103.44	21.04	Son La	1976–2000	25	M009
Tuan Giao (LaiChau)	103.25	21.35	Lai Chau	1976–2000	25	M010
Thanh Hoa	105.46	19.49	Thanh Hoa	1976–1985.1987–2000	24	M011
Bai Thuong			Thanh Hoa	1976–2000	25	

04 Ca River Basin

Station Name	Location		Province	Collected Data	Total year	HYMOS No.
	Longitude	Latitude				
Hoa Duyet	105.35	18.22	Ha Tinh	1976–2000	25	CA011
Son Diem	105.20	18.30	Ha Tinh	1976–2000	25	CA010
Do Luong	105.18	18.54	Nghe An	1976–2000	25	CA006
Mon Son	104.55	18.53	Nghe An	1976–1990	15	CA007
Con Cuong	104.53	19.02	Nghe An	1976–1989.1991–2000	24	CA004
Nghia Khanh	105.20	19.26	Nghe An	1977–2000	24	CA003
Quy Chau	105.06	19.34	Nghe An	1976–2000	25	CA002
Muong Xen	104.08	19.24	Nghe An	1976–2000	25	CA001
Vinh	105.40	18.40	Nghe An	1976–2000	25	CA009

05 Thach Han River Basin

Station Name	Location		Province	Collected Data	Total year	HYMOS No.
	Longitude	Latitude				
Khe Sanh	106.50	16.38	Quang Tri	1976–2000	25	TH001
Thach Han	107.14	16.45	Quang Tri	1976–2000	25	TH002
Dong Ha	107.05	16.50	Quang Tri	1976–2000	25	TH003

06 Huong River Basin

Station Name	Location		Province	Collected Data	Total year	HYMOS No.
	Longitude	Latitude				
Nam Dong	107.43	16.09	Thua Thien Hue	1977–2000	24	H010
Phu Loc	107.53	16.15	Thua Thien Hue	1978–1990	13	H005
Hue	107.34	16.25	Thua Thien Hue	1976–2000	25	H006
PhuOc	107.28	16.32	Thua Thien Hue	1977.1980–2000	22	H007
A Luoi	107.13	16.15	Thua Thien Hue	1976–2000	25	H008

07 Vu Gia – Thu Bon River Basin

Station Name	Location		Province	Collected Data	Total year	HYMOS No.
	Longitude	Latitude				
Tra My	108.14	15.21	Quang Nam	1977–2000	24	TB04
Son Tan (HiepDuc)	108.05	15.35	Quang Nam	1976–2000	25	TB03
Trao (Hien)	107.38	15.56	Quang Nam	1978–2000	23	TB01
Thanh My	107.50	15.46	Quang Nam	1976–2000	25	TB02
Ai Nghia	108.07	15.53	Quang Nam	1976–2000	25	TB06
DaNang	108.11	16.02	Da Nang	1976–2000	25	TB07

08 Tra Khuc River Basin

Station Name	Location		Province	Collected Data	Total year	HYMOS No.
	Longitude	Latitude				
Tra Bong	108.32	15.15	Quang Ngai	1976–2000	25	TK006
Quang Ngai	108.47	15.09	Quang Ngai	1976–2000	25	TK003
Ba To	108.45	14.46	Quang Ngai	1976–2000	25	TK004
Gia Vuc	108.34	14.42	Quang Ngai	1977–2000	24	TK001
Son Giang (Son Ha)	108.34	15.02	Quang Ngai	1977–2000	24	TK002

09 Kone River Basin

Station Name	Location		Province	Collected Data	Total year	HYMOS No.
	Longitude	Latitude				
Binh Tuong (Cay Muong)	108.56	13.55	Binh Dinh	1976–2000	25	K003
Phu Cat	109.04	14.00	Binh Dinh	1976–2000	25	K004
Binh Quang (Dinh Binh)	108.48	14.08	Binh Dinh	1979–2000	22	K005
Vinh Kim	108.46	14.14	Binh Dinh	1982–2000	19	K006
Quy Nhon				1976–2000	25	
Hoai Nhon				1976–2000	25	
Tan An				1977–1988	12	

10 Ba River Basin

Station Name	Location		Province	Collected Data	Total year	HYMOS No.
	Longitude	Latitude				
M' Drak	108.46	12.45	Dak Lak	1977-2000	24	BA04
Son Hoa (Cung Son)	108.59	13.03	Phu Yen	1976-2000	25	BA05
Tuy Hoa	109.17	13.05	Phu Yen	1977-2000	24	BA06
Cheo Reo (A Yun Pa)	108.27	13.24	Gia Lai	1977-2000	24	BA03
Chu Prong	107.52	13.44	Gia Lai	1978-1995.1997-2000	22	BA02
An Khe	108.39	13.57	Gia Lai	1977-2000	24	BA01

11 Sesan River Basin

Station Name	Location		Province	Collected Data	Total year	HYMOS No.
	Longitude	Latitude				
Dac Glei	107.45	15.04	Kon Tum	1977-78.1980-1984. 1986-1995.1997-2000	21	SS01
Dak To	107.50	14.40	Kon Tum	1977-2000	24	SS02
Kon Tum	108.00	14.21	Kon Tum	1976-2000	25	SS04
Pleiku	108.00	13.59	Gia Lai	1976-2000	25	SS06

12 Srepok River Basin

Station Name	Location		Province	Collected Data	Total year	HYMOS No.
	Longitude	Latitude				
Buon Ho	108.16	12.55	Dak Lak	1977-2000	24	SR05
Cau42 (Krong Buk)	108.22	12.46	Dak Lak	1976-2000	25	SR06
Krong Bong	108.27	12.33	Dak Lak	1977-1990.1992-1995	18	SR07
Giang Son	108.11	12.30	Dak Lak	1976-2000	25	SR08
Buon Ma Thuot	108.03	12.40	Dak Lak	1977-2000	24	SR02
Cau14	107.56	12.37	Dak Lak	1977-2000	24	SR03
Duc Xuyen	108.59	12.18	Dak Lak	1978-2000	23	SR09
Dak Mil	107.37	12.27	Dak Lak	1977-1993.1998-2000	20	SR04

13 Dong Nai River Basin

Station Name	Location		Province	Collected Data	Total year	HYMOS No.
	Longitude	Latitude				
Tan Son Nhat	106.42	10.47	HCMC	1960–1993	32	

14 Cuu Long (Mekong) Delta

Station Name	Location		Province	Collected Data	Total year	HYMOS No.
	Longitude	Latitude				
Can Tho	105.47	10.02	Can Tho	1978–200	23	ME01

Availability of Meteorological Data

A1-6

River Basin	No.	Station Name	Location		Elevation (m)	Province	Observation Period																								Remarks						
			Longitude	Latitude			76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99		00					
BANG GIANG	1	DINH LAP	107.06	21.32	174	Lang Song																															P, T, E, S, R, V
	2	LANG SON	106.46	21.50	258	Lang Song																														P, T, E, S, R, V	
	3	BAC SON	106.18	21.54	400	Lang Song																														P, T, E, S, R, V	
	4	TRUNG KHANH	106.31	22.50	520	Cao Bang																														P, T, E, S, R, V	
	5	THAT KHE	106.28	22.15	275	Lang Song																														P, T, E, S, R, V	
	6	NGAN SON	105.59	22.26	566	Cao Bang																														P, T, E, S, R, V	
	7	NGUYEN BINH	105.57	22.39	208	Cao Bang																														P, T, E, R, V	
	8	CAO BANG	106.14	22.39	258	Cao Bang																														P, T, E, S, R, V	
	9	HA QUANG	106.10	22.55	209	Cao Bang																														P	
MA	10	THUONG XUAN (Cua Dat)	105.14	19.49		Thanh Hoa		/																											stop	P	
	11	BAT MOT (BatBot)	105.03	20.01		Thanh Hoa																														P	
	12	LANG CHANH	105.14	20.09		Thanh Hoa																														P	
	13	BA THUOC (CanhNong)	105.13	20.21		Thanh Hoa																														P	
	14	SONG MA	103.44	21.04		Song La			/																											P, T, E, S, R, V	
	15	TUAN GIAO (LaiChau)	103.25	21.35		Lai Chau																														P, T, E, S, R, V	
	ad	Thanh Hoa	105.46	19.49		Thanh Hoa																															
CA	16	HUONG-KHE HOA DUYET	105.42	18.11		Ha Tinh																														P, T, E, S, R, V	
	17	SON DIEM	105.22	18.30		Ha Tinh																														P	
	18	DO LUONG	105.18	18.45		Nghe An																														P, T, E, S, R, V	
	19	MON SON	104.55	18.53		Nghe An																														P	
	20	CON CUONG	104.55	19.02		Nghe An																														P, T, E, S, R, V	
	21	NGHIA KHANH	105.20	19.26		Nghe An		/																												P	
	22	QUY CHAU	105.07	19.07		Nghe An																														P, T, E, S, R, V	
	23	MUONG XEN	104.08	19.42		Nghe An																														P	
	ad	VINH	105.40	18.40		Nghe An																														P, T, E, S, R, V	
THACH HAN	24	KHE SANH	106.50	16.38		Quang Tri																														P, T, E, S, R, V	
	25	THACH HAN	107.14	16.45		Quang Tri																														P	
	26	DONG HA	107.05	16.50		Quang Tri																														P, T, E, S, R, V	
	27	QUANG TRI (from Atlas same as No.25?)				Quang Tri																															
HUONG	28	THUONG NHAT Nam Dong	107.41	16.07		Thua Thien Hue																														?	
	29	TRUOI	107.46	16.15		Thua Thien Hue																															
	30	PHU LOC	107.53	16.15		Thua Thien Hue																														P	
	31	HUE	107.34	16.25		Thua Thien Hue																															P, T, E, S, R, V
	32	PHUOC	107.28	16.32		Thua Thien Hue		/	/																											P	
	33	A LUOI	107.13	16.15		Thua Thien Hue																															P, T, E, S, R, V
THUBON	34	SON GIANG	108.04	15.08		Quang Nam																															
	35	TRA MY	108.13	15.20		Quang Nam																															P, T, E, S, R, V
	36	SON TAN (HiepDuc)	108.02	15.34		Quang Nam																															P
	37	TRAO (Hien)	107.39	15.35		Quang Nam		/	/																												P
	38	THANH MY	107.50	15.46		Quang Nam																															P
	39	AI NGHIA	108.07	15.53		Quang Nam																															P
TRA KHUC	40	TRA BONG	108.32	15.15		Quang Ngai																														P	
	41	QUANG NGAI	108.47	15.09		Quang Ngai																															P, T, E, S, R, V
	42	BA TO	108.45	14.46		Quang Ngai																															P, T, E, S, R, V
	43	GIA VUC	108.34	14.42		Quang Ngai		/	/																												P
	34	SON GIANG (Son Ha)	108.31	15.08		Quang Ngai		/	/																												P
KONE	49	NUI MOT	109.00	13.47		Binh Dinh																														stop	
	50	BINH TUONG (Cay Muong)	108.56	13.55		Binh Dinh																														P	
	51	PHU CAT	109.04	14.00		Binh Dinh																															P
	52	DINH BINH (Binh Quang)	108.48	14.08		Binh Dinh		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		P	
	53	VINH KIM	108.46	14.14		Binh Dinh		/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/	/		P
BA	54	M' DRAK	108.46	12.45																																	P, T, E, S, R, V

Availability of Meteorological Data

River Basin	No.	Station Name	Location		Elevation (m)	Province	Observation Period																								Remarks							
			Longitude	Latitude			76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99		00						
	55	SON HOA (CUNG SON)	108.59	13.03																															P, T, E, S, R, V			
	56	TUY HOA	109.07	15.05																														P, T, E, S, R, V				
	57	MIEN TAY(from Atlas)	?	?																														P				
	58	CHEO REO	108.30	13.23																														P, T, E, S, R, V				
	59	CHU PRONG	107.50	13.39																														P				
	60	AN KHE	108.39	13.57																														P, T, E, S, R, V				
SESAN	44	DAC GLEI	107.45	15.04		Kon Tum																												P				
	45	MANG BUK (Airport)	?	?		Kon Tum																																
	46	DAK TO	107.50	14.40		Kon Tum																													P, T, E, S, R, V			
	47	KON TUM	108.00	14.21		Kon Tum																													P, T, E, S, R, V			
	48	PLAYKU	108.00	13.59		Gia Lai																													P, T, E, S, R, V			
SEREPOK	61	BUON HO	108.16	12.55																															P, T, E, S, R, V			
	62	CAU42	108.22	12.46																															P			
	63	KRONG BONG	108.27	12.33																															not frequency			
	64	GIANG SON	108.11	12.30																															P			
	65	BUON MA THUOT	108.03	12.40																																P, T, E, S, R, V		
	66	CAU14	107.45	10.37																																P		
	67	DUC XUYEN	108.59	12.18																																P		
	68	DAK MIL	107.37	12.27																																P, T, E, S, R, V		
DONG NAI	69	DA LAT	108.26	11.57		Lam Dong	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█		P, T, E, S, R, V		
	70	LIEN KHUONG	108.23	11.45		Lam Dong		█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█		P, T, E, S, R, V		
	71	DI LINH	108.03	11.36		Lam Dong		█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█		not frequency	
	72	DAK NONG (GIA NGHIA)	?	?																																P, T, E, S, R, V		
	73	BAO LOC	107.50	11.32		Lam Dong	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█		P, T, E, S, R, V	
	74	DONG KHO	107.44	11.07																																	P	
	75	DA TE	107.32	11.32																																	not frequency	
	76	PHUOC LONG	?	?		Binh Duong	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█		P, T, E, S, R, V	
	77	DONG PHU	106.54	11.32																																	P, T, E, S, R, V	
	78	DAU TIENG	106.20	11.20		Tay Ninh	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█		P
	79	BIEN HOA	106.49	10.57		Dong Nai		█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█		P
	80	TAN SON NHAT (SAIGON)	106.40	10.49		HCMC	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█		P
RED RIVER DELT	81	LAI CHAU	103.09	22.03	244	Lai Chau																														P, T, E, S, R, V		
	82	SON LA	103.54	21.20	676	Son La																															P, T, E, S, R, V	
	83	MOC CHAU	104.38	20.51																																	P, T, E, S, R, V	
	84	SA PA	103.50	22.20	1,570	Lao Cay-Yen Bai																															P, T, E, S, R, V	
	85	YEN BAI	104.52	21.42	56	Lao Cay-Yen Bai																															P, T, E, S, R, V	
	86	HA GIANG	104.59	22.49	118	Ha Giang-Tuyen Quang																															P, T, E, S, R, V	
	87	CHO RA	105.43	22.27	210	Cao Bang																															P, T, E, S, R, V	
	88	CHIEM HOA	105.16	22.09	50	Ha Giang-Tuyen Quang																															P, T, E, S, R, V	
	89	THAI NGUYEN	105.50	21.35	36	Bac Kan-Thai Nguyen																															P, T, E, S, R, V	
	90	LUC NGAN	106.33	21.22	15	Bac Giang-Bac Ninh																															P, T, E, S, R, V	
	91	HANOI	105.51	21.01	5	Ha Noi	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█		P, T, E, S, R, V
	92	THAI BINH	106.21	20.27																																		P, T, E, S, R, V
MEKONG DELTA	93	MY THO	106.23	10.21		Tien Giang																															P, T, E, S, R, V	
	94	CAN THO	105.47	10.02		Can Tho																																P, T, E, S, R, V
	95	CHAU DOC	105.08	10.42		An Giang																																P, T, E, S, R, V
	96	RACH GIA	105.05	10.01		Kien Giang																																P, T, E, S, R, V
	97	CA MAU	105.10	9.10		Ca Mau																																P, T, E, S, R, V
	98	BAC LIEU	105.43	9.17		Bac Lieu																																P, T, E, S, R, V

A1-7

←→: IWRP Data █ : Last time █ : This Time █ : HMS Data Total
 P: Rainfall T: Temperature E: Evaporation S: Sunshine R: Humidity V: Wind Velocity █ : collecting by study team (from existing report)

**Bang Giang
and
Ky Cung River Basin**

Table: Daily Rainfall Data Lang Son Province at Dinh Lap

Province : Lang Son				At : Dinh Lap			Year : 1984					(Unit : mm)		
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total	Max
1				0.0		0.0				22.0				
2		0.0			0.1	16.6	0.0	0.0		0.0				
3		0.0			0.1		6.4							
4		0.2			25.0		0.0	55.4	2.0					
5		0.2					0.0	38.0	22.5					
6			0.4				1.3	26.7	32.0	4.5				
7			0.9					31.0	68.7					
8			0.2	2.9		0.0		9.4	16.8					
9			0.1	0.5		5.8		10.3						
10		0.2		16.6										
11		0.1				16.7	51.1	0.0	2.0		12.2			
12		0.3				0.1	22.2	7.8		0.3				
13		0.2				3.1	14.9	18.2		23.6				
14		0.4				1.7		10.6			5.6			
15		0.1						11.2		0.0				
16		0.2			42.9	4.2	2.7	33.0		0.0				
17	0.0	0.1				0.0	3.7	30.0		35.0				
18		0.3				8.7	0.0			44.8				
19		0.2			9.2	15.9			13.5	1.2				
20	0.3	0.4					20.7							
21		0.3	8.6			19.2	42.9			0.6				
22		0.1				3.1	58.6			11.8				
23					0.5	0.0								
24			0.0		0.0	3.0			0.0					
25					0.2	18.0	91.3		49.5					
26		0.0	0.1		8.1	169.5		2.5	4.7					
27					0.1	41.0			4.5					
28	0.0	0.1			5.8		4.3	0.6						
29		0.2				10.7	6.0	2.0	0.7					
30	0.3		0.0		0.0	20.1		5.5	75.2					
31								0.2						
Total	0.8	3.4	10.3	78.7	136.2	487.4	102.2	335.6	273.0	131.4	17.8	0.0	1576.8	
Max	0.3	0.4	8.6	42.9	25.0	169.5	51.1	55.4	75.2	44.8	12.2	0.0	169.5	

Province : Lang Son				At : Dinh Lap			Year : 1985					(Unit : mm)		
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total	Max
1				0.0		7.0								
2		0.3			0.2									
3		5.3				0.0				5.0			1.1	
4		1.6				0.2				0.0			4.4	
5														1.2
6									7.5	3.5			32.6	
7										0.0				
8										5.3			5.0	
9													17.2	
10													2.5	
11													1.4	
12													7.3	
13													4.4	
14													4.2	
15													9.8	
16													0.0	
17													13.0	
18													0.2	
19													6.5	
20													22.0	
21													21.2	
22													1.0	
23													15.0	
24													20.7	
25													6.5	
26													7.6	
27													19.0	
28													19.0	
29													34.0	
30													8.2	
31													0.0	
Total	51.4	52.4	20.6	112.3	99.4	234.5	57.5	299.8	317.0	27.6	88.6	0.0	1362.3	
Max	17.4	42.6	5.5	36.9	23.8	34.5	21.8	45.0	114.7	12.0	33.0	1.2	114.7	

Province : Lang Son				At : Dinh Lap			Year : 1986					(Unit : mm)		
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total	Max
1				0.0										
2				3.6										
3				0.2	12.9									
4				2.4	22.3									
5		1.8		0.6		24.9	0.0							
6		4.8				5.2		0.6					0.0	
7		1.0				19.4	47.5		0.2				0.0	
8						0.6	27.0	0.9	54.0				1.0	
9						0.6	24.0	0.7	114.8				18.9	
10							24.0	57.0	18.0	34.9			8.8	
11										8.8				
12										11.6				
13														
14														
15														
16		0.5												
17	0.1	0.4				15.7								
18	0.0	3.8				48.6	36.0	2.1						
19						17.7	3.6	0.0						
20						0.0	8.5	7.0						
21						26.7	0.0	15.5	22.2				37.2	
22	0.0				1.9									
23	0.6	4.0	0.0			17.4	200.3	6.8						
24	5.8	0.1	2.3			7.6	72.8			3.6				
25	3.4	1.2	0.8	1.3		9.1	35.1			2.0				
26	0.0	2.6	0.6				23.0			73.2				
27		5.2	2.0			7.3	8.8	0.0						
28		0.5	3.3	0.0	2.4			5.0						
29			0.6	8.2					0.0		0.6			
30			0.1	12.9					0.0					
31									0.7					
Total	9.9	25.9	13.3	86.5	197.2	294.0	590.3	121.5	340.2	128.2	58.1	23.9	1889.0	
Max	5.8	5.2	3.6	26.7	58.0	48.6	200.3	36.3	151.2	73.2	31.0	18.9	200.3	

Province : Lang Son				At : Dinh Lap			Year : 1987					(Unit : mm)		
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total	Max
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
17														
18														
19														
20														
21														
22														
23														
24														
25														
26														
27														
28														
29														
30														
31														
Total	0.3	27.9	44.7	102.1	165.1	78.5	141.2	467.4	114.1	86.0	23.8	0.0	1251.1	
Max	0.2	14.0	17.0	34.5	54.5	27.2	24.0	229.4	26.7	32.6	13.5	0.0	229.4	

Table: Daily Rainfall Data Lang Son Province at Dinh Lap

Province : Lang Son				At : Dinh Lap		Year : 2000		(Unit : mm)					
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1	0.0		7.2			1.1	0.0	0.0	0.0	0.0		0.0	
2	0.0	0.0	0.4			59.7	0.0	4.3	1.1	0.0		0.0	
3	0.0		1.1					1.2	0.2	0.0	0.0	0.1	
4		0.0	0.6			0.0		23.8	1.5	16.2	0.0		
5		0.2	0.0		3.5			0.2	0.0	26.5	0.0		
6	0.0		0.0	0.1	2.7		0.0		0.0	7.1	0.0		
7				0.5	3.6		17.0	0.1		0.0	0.0		
8	0.7			0.1	0.3		13.5	1.1		0.0	0.0		
9	0.4		2.2	0.1	1.1		50.4	0.0		0.0	0.0	0.0	
10		0.3	17.6	1.9			8.5	0.0	0.8	0.0	0.0	0.5	
11	0.3	0.0	0.5		0.0	2.5	10.2	0.0	10.2	0.0	0.0	0.0	
12		0.0		1.0		21.7	56.9	0.0	0.0	0.0			
13				1.0	0.7	1.3	13.9						
14	0.0		0.0		2.1			10.6		9.9			
15			0.8	0.2				0.0	0.0	77.7			
16	0.0	1.9			9.7			0.0	0.0	17.8	0.0		
17		1.8	8.1		4.2			5.2	0.0	1.2		0.0	
18		0.7	3.2		16.1		0.0	0.0	0.0		0.3	0.0	
19		0.3				0.5	6.6	0.0	0.0	4.9		0.0	
20			0.4	0.0		0.5	29.7	0.0	2.2				
21	0.5	0.3		4.8	5.6	11.7	30.3	9.7	0.1	4.2			
22		1.3	0.0	0.3	2.9	0.9	16.1	6.6	0.2				
23	0.0	1.0	0.0			1.7	2.4	0.0			0.0	0.0	
24			0.0		3.8		3.2	0.0	0.7		0.0	0.0	
25			0.2			2.0	0.0	22.0		0.0	2.6	0.0	
26		0.8		0.5		26.3	0.0	0.0	51.2	0.3	0.0		
27		0.0		8.0	0.1	5.9		0.0	0.0	27.4	0.0		
28		2.6	0.0	4.5		0.5	0.0	6.2	5.6	0.1	0.0		
29		13.4	0.0		20.0	0.0	0.0		33.5		0.0		
30					3.9	0.0	0.0	0.0	16.0				
31							0.8	0.0					
Total	1.9	24.6	42.3	23.0	82.0	134.6	259.5	91.0	123.3	193.3	2.9	0.6	979.0
Max	0.7	13.4	17.6	8.0	20.0	59.7	56.9	23.8	51.2	77.7	2.6	0.5	77.7

Province : Lang Son				At : Dinh Lap		Year : 2001		(Unit : mm)					
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table: Daily Rainfall Data Lang Son Province at Lang son

Province : Lang Son				At : Lang Son				Year : 1976				(Unit : mm)	
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1				1.0	12.8	51.7		0.3					
2				1.7	2.2	0.3		3.7		0.1	1.1		
3		0.4		2.0	7.4					0.1	1.1		
4			5.0	2.7	59.2	0.1	17.8	15.4	9.4	0.1			
5	0.9			0.8	3.3	1.0		0.3		15.3			
6	0.2			0.4	0.1	0.2	0.1			2.6			
7		0.4		1.7	0.7		0.6	4.4	0.1				
8		17.5		1.0				45.4	82.1	7.3			
9	2.3	6.0		29.1		6.8		6.1	2.2	4.0			
10	0.5			25.7		1.0		0.4	0.4				
11				7.8	2.1	0.2		32.1	2.9	0.2	4.4		
12		0.1		0.2		0.1	2.1	20.0		4.7			
13				2.0			15.5	13.3		6.4			
14			3.0	0.4	2.2			3.0		2.6			
15			0.9		4.0			0.1					
16								42.8					
17								56.5					
18						0.1							
19				2.2		24.7				6.3			
20				35.0		2.8	1.2			22.1			
21	1.0	2.7			1.7			1.9	2.1	1.7			
22		2.5			1.3	1.0	25.2		14.0				
23				6.8		0.5			0.9				
24		2.5	3.7			9.4			8.9				
25		0.1											
26	0.8	0.6	1.9			0.6	2.0	1.5		0.3		0.2	
27	1.0	1.7	2.9	18.6	28.3	30.3	3.8			2.4			
28			1.5		37.4	0.2	41.6	0.3					
29					0.2	2.1	4.6						
30				0.4	4.2	5.8	15.7		17.5	6.1			
31				0.1	1.2	1.3				10.5			
Total	6.7	34.5	19.4	143.3	164.1	108.6	158.0	250.9	140.5	75.3	24.5	0.2	1126.0
Max	2.3	17.5	5.0	35.0	59.2	51.7	41.6	56.5	82.1	22.1	15.3	0.2	82.1

Province : Lang Son				At : Lang Son				Year : 1977				(Unit : mm)				
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.				
1	0.0	0.0					17.9						3.5	2.2	5.6	0.8
2	1.8						0.0						0.0	6.9		
3	13.7			0.5	0.8	1.6	0.1						6.1	0.2	1.1	
4	16.7			0.7		0.0	17.5						0.5	7.9		
5				0.2	4.7		16.0						0.1	38.7	19.9	
6				0.2	9.1		31.1						5.3	1.3	5.0	0.0
7	0.8					13.8	12.4						6.7	0.5	0.0	
8	0.0	2.6					10.0							16.1		48.0
9	1.1	3.0														
10	0.5													0.0		
11	0.3															
12	2.8															
13	0.0															0.0
14	0.0	0.0														0.0
15																3.2
16	2.2	0.0														3.2
17	3.1															2.8
18	2.8															31.7
19	0.7	0.0														0.1
20	1.5	5.2														0.5
21	1.2	0.3														0.0
22	1.3															0.0
23																1.6
24																14.3
25																89.6
26	0.4															1.1
27	0.0	0.5														12.8
28	2.1	0.6		0.8												17.5
29	10.3			0.0	27.5											1.7
30	0.6															0.6
31	0.0															0.1
Total	63.9	12.2	19.2	104.0	46.5	56.5	302.2	47.4	91.8	106.6	68.7	92.6	1011.6			
Max	16.7	5.2	14.5	59.2	27.5	17.5	89.6	10.7	38.7	29.0	48.0	49.5	89.6			

Province : Lang Son				At : Lang Son				Year : 1978				(Unit : mm)	
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1	0.0	0.0											
2	0.0		1.0										
3		0.0		0.0									
4	11.4	0.2		0.8									
5	3.3	0.1		0.1									
6	1.0		0.6	2.2									
7				6.5									
8	0.7			5.6									
9	0.0			8.4									
10			27.2	12.2									
11	3.3												
12	5.3	3.3		0.1									
13		0.1		0.7									
14		0.3		3.4									
15		0.0		0.6									
16				0.3									
17	0.0			0.1									
18				1.6									
19				0.2									
20		1.0		0.4									
21		1.2											
22		19.8											
23		5.4		0.8									
24				0.1									
25	0.2	0.2											
26				1.7									
27				0.4									
28	0.0												
29	0.8			28.0									
30	2.8												
31													
Total	28.8	31.6	39.1	80.3	500.6	348.6	202.0	274.1	206.8	108.1	33.2	3.5	1856.7
Max	11.4	19.8	27.2	28.0	82.9	144.3	42.1	81.6	39.3	62.7	15.1	2.4	144.3

Province : Lang Son				At : Lang Son				Year : 1979				(Unit : mm)	
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1	3.6												
2	24.3												
3	29.5												
4	0.0												
5	0.2												
6	30.8												
7	0.8												
8	0.0												
9	0.7												
10													
11													
12	2.1												
13	0.4												
14	0.0												
15	1.0												
16	0.0												
17	0.4												
18	1.1												
19													
20	0.0												
21	0.4												
22	1.5												
23	1.6												
24	2.5												
25	0.0												
26	0.2												
27	0.2												
28													
29													
30													
31	0.0												
Total	101.3	0.0	0.0	43.4	112.8	124.4	252.3	424.1	82.2	6.0	1.4	0.1	1148.0
Max	30.8	0.0	0.0	23.2	68.8	35.0	73.5	85.0	18.5	6.0	1.4	0.1	85.0

A1-16

Table: Daily Rainfall Data Lang Son Province at Lang son

Province : Lang Son				At : Lang Son			Year : 2000					(Unit : mm)	
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1	0.0		10.6	0.0		1.4		1.6	0.0	0.0		0.1	
2	0.0		0.2		0.0	5.3		1.0	1.0			0.0	
3	0.0		0.7						0.6	0.6		0.6	
4	0.0	0.0	0.7		0.0			18.2	6.1	6.4	0.0		
5		0.0	0.0	0.0				10.3	0.1	0.5	0.0		
6			0.0	0.0					0.0	3.0	0.0		
7	0.0			0.7	11.3			0.1	2.8		0.0	0.0	
8	0.3		0.0	2.5	1.8		0.0	1.0		0.0	0.0		
9			5.0	0.8	2.9				0.5		0.0	0.0	
10		0.2	13.1	11.9			11.7		1.7	0.0	0.0		
11	0.1	0.1	3.7	17.1		0.2	4.7	0.0	3.3	0.0		0.0	
12		0.0	0.0	2.9	0.0	37.9	22.4					0.0	
13	0.0			0.1	0.2	0.1	8.7					0.0	
14	0.0	0.0	0.0		0.5	0.4	0.0			0.2			
15	0.0	0.0	1.6	4.0	0.2			16.0	0.0	84.2			
16	0.0	1.7	0.0	0.1	0.8				0.0	18.7		0.0	
17	0.0	1.7	0.4		32.6	0.0			0.3				
18		1.7	5.0		29.0	0.0		15.4	0.0				
19		0.3	1.5			0.0	46.8		0.0	19.8	0.0		
20		0.0	1.6	0.0		4.6	17.1		0.1	0.0	0.9	0.0	
21	1.8	0.5		2.1	1.5	9.3	20.0	0.0	0.0	0.4			
22	0.0	0.6		0.2	1.4	0.5	29.6	1.0	0.0		0.0		
23	0.0	0.1		0.0	0.5	2.2	12.0		0.4	0.0			
24			0.6					0.0		0.0			
25		0.0		0.1		0.3		0.0	20.4	0.0	0.1		
26		1.1		1.9		1.6		0.0	13.9	0.6	3.6		
27		1.7	0.0	14.1		29.3		0.0		8.1	0.0		
28		3.6	0.0	0.9	5.0	1.3		1.6	0.8	0.1			
29		14.8	0.0		0.4	26.0			15.0	0.0	0.0		
30					0.6			0.0	5.4			0.0	
31			0.3		3.2		0.2	0.0		0.3			
Total	2.2	28.1	45.0	59.4	91.9	120.4	173.7	66.5	71.6	144.2	4.6	0.7	808.3
Max	1.8	14.8	13.1	17.1	32.6	37.9	46.8	18.2	20.4	84.2	3.6	0.6	84.2

Province : Lang Son				At : Lang Son			Year : 2001					(Unit : mm)	
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Table: Daily Rainfall Data Cao Bang Province at Ngan Son

Day	Province : Cao Bang			At : Ngan Son			Year : 2000					(Unit : mm)	
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1	0.0		18.5	0.0	32.7	3.2	0.0		0.0			1.0	
2	0.0		0.9	0.0	10.2	10.3			0.0			4.1	
3	0.0	0.0	0.2			0.5		4.9	0.0	0.2		0.6	
4	0.0	0.0						23.9	9.3	41.1			
5		1.3	0.0	0.0	0.0		0.0	24.6	0.1	110.0			
6			0.0	6.9	6.6			2.5	0.0	0.8			
7	0.0	0.0		0.8	7.5	1.0	0.0	18.2	37.3				
8	8.7		0.2	6.1	0.9	0.5		7.9					
9			9.3	0.6	5.4	9.5	67.2	0.2		0.0	0.0		
10		0.0	10.7	34.3		0.7	26.7		0.0	0.0	0.0		
11		0.5	1.1	0.4		7.9			0.4				
12		0.0	0.0	1.5	1.5	16.9	23.1	0.0		15.3		0.2	
13	0.0		0.0	0.0		1.8	8.0	0.0				0.0	
14	0.0	0.0	0.0		1.3	0.0		0.0					
15		0.0	0.0		0.0		0.0	7.5	0.0	65.0			
16		1.8	0.0			0.5		25.8		38.9			
17		1.1	0.5		68.5			20.6		8.6			
18	0.1	2.7	1.6		28.4	0.0	0.2	9.0					
19		0.6	0.2	0.0	0.0	0.0	33.1	0.0		5.2	0.0		
20		0.0	0.6			0.0	64.8	0.0	1.2	3.9	0.0	1.6	
21	1.6	0.1		2.7	1.4	0.7	49.0	5.7	15.7				
22	1.0	0.7	0.0			2.0	17.3	1.2	0.5				
23		0.1		0.0	2.2		27.5		5.3				
24		0.0				1.1	0.8						
25	1.0	0.0	0.6			24.2	0.0		69.6	0.0			
26		0.0		5.5	6.1	3.4	0.0	0.0	7.4		0.3		
27		6.3		7.1	3.0	23.1	0.0	5.3	15.6	10.8	0.1		
28		3.2		1.3	15.3	0.4		0.7	47.3	0.0	0.0		
29	0.0	9.9		0.0	24.2	0.0				1.7	2.5		
30	0.0				8.2		23.8	0.6	12.0		0.3		
31	1.6		1.6		3.4		3.1						
Total	14.0	28.3	46.0	67.2	226.8	107.7	344.6	158.6	221.7	301.5	3.2	7.5	1527.1
Max	8.7	9.9	18.5	34.3	68.5	24.2	67.2	25.8	69.6	110.0	2.5	4.1	110.0

Day	Province : Cao Bang			At : Ngan Son			Year : 2001					(Unit : mm)	
	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table: Daily Rainfall Data Cao Bang Province at Loc Binh

A1-31

Province : Cao Bang				At : Loc Binh				Year : 1980				(Unit : mm)			
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total	Max	
1	m	m	m	0.0		90.3		0.0	1.5						
2	m	m	m	0.3	0.0	0.0		2.0							
3	m	m	m	0.4	0.0	0.4			8.5						
4	m	m	m		47.5	4.0	3.1		13.0		0.2				
5	m	m	m		27.3	7.0	10.0	4.5	4.0						
6	m	m	m		0.0	7.6	9.8		4.5			4.2			
7	m	m	m		5.0	0.0	0.0		18.3	6.5					
8	m	m	m	1.8	11.3	0.0	6.0	0.0	18.3			4.0			
9	m	m	m	4.9		0.0		6.5	0.9						
10	m	m	m	0.9		4.9				8.5					
11	m	m	m	1.1	7.8	3.7		18.5				4.4			
12	m	m	m			0.0	5.5	22.2							
13	m	m	m		0.0	0.0	10.0	0.0							
14	m	m	m			4.7	82.3			2.5		28.9			
15	m	m	m			3.5	0.5		6.5	10.1		2.0			
16	m	m	m			0.0	1.2		7.0			0.0			
17	m	m	m		7.5	1.0	0.8					0.4			
18	m	m	m		6.0	0.0	4.0	12.5							
19	m	m	m		0.6	0.0	5.0	9.5							
20	m	m	m		4.0	82.0	12.0								
21	m	m	m		1.6	1.5	13.3	0.0		12.2		0.0			
22	m	m	m			0.0	4.5	20.0		16.7		0.0			
23	m	m	m		1.5	4.8	121.0	5.6							
24	m	m	m	0.4	9.0	72.5	0.0			3.2					
25	m	m	m	30.5		3.0	1.4								
26	m	m	m		27.3	9.0	6.0								
27	m	m	m			15.9					0.4				
28	m	m	m	2.7		79.3					0.3	1.0			
29	m	m	m			95.4		9.0		15.0					
30	m	m	m			1.0		48.2							
31	m	m	m					28.8							
Total	0.0	0.0	0.0	43.0	143.4	350.0	438.9	199.3	82.5	75.0	0.6	44.9	1377.6		
Max	0.0	0.0	0.0	30.5	47.5	95.4	121.0	48.2	18.3	16.7	0.4	28.9	121.0		

Province : Cao Bang				At : Loc Binh				Year : 1981				(Unit : mm)			
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total	Max	
1				14.8											
2				2.9		3.0	11.0								
3					47.5	4.2		0.0							
4						6.2	0.2	34.8							
5						0.1	5.0	10.5							
6						1.0	0.0	11.0							
7						0.6	0.5	11.0							
8						1.0		8.0	52.3						
9						3.0	1.5	17.5	2.3						
10						0.7		0.4							
11													15.0		
12													1.0		
13															
14														0.0	
15														3.3	
16														0.0	
17														0.0	
18														0.0	
19														0.0	
20														0.0	
21														0.0	
22														1.5	
23															
24															
25															
26															
27															
28															
29															
30															
31															
Total	13.2	31.3	38.2	199.1	274.9	213.3	90.7	39.8	52.0	161.4	12.1	0.0	1126.0		
Max	3.5	9.6	21.9	54.4	65.5	111.0	23.5	34.8	17.5	52.3	3.3	0.0	111.0		

Province : Cao Bang				At : Loc Binh				Year : 1982				(Unit : mm)			
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total	Max	
1				92.6											
2				24.8											
3	0.0			26.3					0.5	11.3	0.0				
4	31.7	0.0	0.0						13.3						
5									6.7						
6	0.0	0.0									20.0				
7		9.3							6.0						
8		1.6		0.9					8.0			0.0			
9		1.3							41.0		17.8	0.0			
10		1.8							0.0	0.6		0.0			
11			0.0									1.9			
12			0.0	0.4											
13			0.0												
14		0.0	0.0								3.9				
15		0.0	3.5								1.3				
16	0.0								1.1						
17	0.0								0.0						
18		0.0		26.0					0.0	0.6					
19		0.0		2.6					0.0	9.2					
20				0.0						25.8					
21	0.0		0.8	0.0					93.7		0.0				
22				0.0					8.3		0.0				
23			0.0	0.0					9.2		0.0				
24			0.0	33.0					3.1						
25									6.5						
26		0.3	0.0						7.8		0.0				
27		0.0	1.7	0.0					19.6	6.1	0.0				
28		0.0	18.0						3.5	1.9	0.0				
29			2.9						0.0						
30			2.5												
31			0.6												
Total	31.7	14.3	30.0	206.6	0.0	0.0	0.0	0.0	228.3	55.5	43.6	1.9	611.9		
Max	31.7	9.3	18.0	92.6	0.0	0.0	0.0	0.0	93.7	25.8	20.0	1.9	93.7		

Province : Cao Bang				At : Loc Binh				Year : 1983				(Unit : mm)			
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Total	Max	
1				47.0											
2				10.4											
3	0.0														
4	3.0														
5	1.6	4.0													
6	0.0	0.0													
7	0.4														
8	0.0														
9	0.0														
10	0.0														
11	0.0														
12															
13															
14															
15															
16															
17															
18															
19															
20															
21	1.0	6.8													
22	0.0	2.0													
23															
24															
25															
26															
27															
28															
29															
30															
31															
Total	6.0	48.7	73.1	96.2	35.8	70.5	147.3	228.9	21.9	107.9	5.1	2.2	843.6		
Max	3.0	13.2	47.0	65.2	14.0	31.3	87.6	47.5	7.5	46.0	5.1	2.2	87.6		

Table: Daily Rainfall Data Cao Bang Province at Loc Binh

Day	Province : Cao Bang			At : Loc Binh		Jun.	Jul.	Year : 1988	(Unit : mm)				
	Jan.	Feb.	Mar.	Apr.	May				Aug.	Sep.	Oct.	Nov.	Dec.
1		0.0	7.2	0.0				10.0					
2			0.0					0.0		8.6			
3			0.0		4.0		6.0	8.0		0.0			
4			1.5				0.0	8.5	7.0	2.5			
5			0.0					1.7	0.0	0.0			
6			0.0	0.0				9.0	6.2	0.0			
7		0.0	0.0					0.0					
8		0.0	0.0					9.5		5.0			
9		0.0		1.5				0.0					
10		3.5		2.0				12.0		0.0			
11		0.0	0.0	11.5	0.0		0.0		3.5				
12		5.5	0.0		12.0			5.6	0.0				
13		0.0	6.2		25.0		118.0		0.0	5.3			
14		3.5	0.0		34.0			16.0	57.0				
15		1.5		1.5				26.5					
16		1.3			1.5								
17		0.0			10.0					6.3	0.0		
18		0.0	1.5		31.5	23.5	14.0			1.4	0.0		
19		0.0	2.3			14.0							
20		0.0	0.0				0.0						
21		0.0	0.0				4.5						
22		3.7	13.0										
23		0.0	0.0	8.0		43.0		12.9		8.5			
24	0.0	2.9	13.0			0.0		14.5		36.5			
25		1.7	3.0			24.0	10.0	4.1					
26	0.0	0.0	0.0			0.0		0.0					
27	0.0	5.7	1.5		3.5	0.0		12.0					
28	3.5	9.0	0.0		7.8	64.0		32.0					
29	15.0	7.5				0.0	48.0	0.0		23.2			
30								3.3		6.4			
31			0.0		23.0								
Total	18.5	45.8	49.2	24.5	152.3	168.5	216.5	226.6	13.2	90.9	16.3	0.0	<u>1022.3</u>
Max	15.0	9.0	13.0	11.5	34.0	64.0	118.0	57.0	7.0	36.5	8.6	0.0	118.0

Day	Province : Cao Bang			At : Loc Binh		Jun.	Jul.	Year : 1989	(Unit : mm)				
	Jan.	Feb.	Mar.	Apr.	May				Aug.	Sep.	Oct.	Nov.	Dec.
1			0.0	8.1				0.0					0.2
2			3.2		0.0								
3			0.0										
4	18.1		5.8						89.2				0.1
5	33.0		3.8						8.5	8.4			0.1
6			3.1							4.7			1.8
7			6.7		0.0								0.6
8			7.5									0.1	
9			0.0									0.6	
10			11.5										0.6
11			0.0								40.5	0.1	
12			0.0								13.0	0.0	
13			0.0								5.7	0.0	
14			0.0										0.0
15			3.5										0.6
16			1.6										0.3
17			2.1										0.9
18			0.0										
19			0.0										
20			0.0										
21			4.4										0.8
22			4.1										0.2
23			0.0										0.2
24			0.0										10.0
25			2.5										
26			2.8										0.5
27			1.2										
28			2.4										0.2
29			0.0										0.8
30			0.0										
31			5.1										
Total	76.8	22.6	79.1	76.8	289.6	52.2	170.4	46.8	31.2	18.9	21.1	13.0	<u>898.5</u>
Max	33.0	6.7	32.0	30.0	89.2	34.0	82.7	20.1	15.5	16.3	16.5	10.0	89.2

Day	Province : Cao Bang			At : Loc Binh		Jun.	Jul.	Year : 1990	(Unit : mm)				
	Jan.	Feb.	Mar.	Apr.	May				Aug.	Sep.	Oct.	Nov.	Dec.
1	m	m	m	m	m	m	m	m	m	m	m	m	0.0
2	m	m	m	m	m	m	m	m	m	m	m	m	0.0
3	m	m	m	m	m	m	m	m	m	m	m	m	0.0
4	m	m	m	m	m	m	m	m	m	m	m	m	
5	m	m	m	m	m	m	m	m	m	m	m	m	
6	m	m	m	m	m	m	m	m	m	m	m	m	
7	m	m	m	m	m	m	m	m	m	m	m	m	
8	m	m	m	m	m	m	m	m	m	m	m	m	
9	m	m	m	m	m	m	m	m	m	m	m	m	
10	m	m	m	m	m	m	m	m	m	m	m	m	
11	m	m	m	m	m	m	m	m	m	m	m	m	
12	m	m	m	m	m	m	m	m	m	m	m	m	
13	m	m	m	m	m	m	m	m	m	m	m	m	
14	m	m	m	m	m	m	m	m	m	m	m	m	
15	m	m	m	m	m	m	m	m	m	m	m	m	
16	m	m	m	m	m	m	m	m	m	m	m	m	
17	m	m	m	m	m	m	m	m	m	m	m	m	
18	m	m	m	m	m	m	m	m	m	m	m	m	
19	m	m	m	m	m	m	m	m	m	m	m	m	
20	m	m	m	m	m	m	m	m	m	m	m	m	
21	m	m	m	m	m	m	m	m	m	m	m	m	
22	m	m	m	m	m	m	m	m	m	m	m	m	
23	m	m	m	m	m	m	m	m	m	m	m	m	
24	m	m	m	m	m	m	m	m	m	m	m	m	
25	m	m	m	m	m	m	m	m	m	m	m	m	
26	m	m	m	m	m	m	m	m	m	m	m	m	
27	m	m	m	m	m	m	m	m	m	m	m	m	
28	m	m	m	m	m	m	m	m	m	m	m	m	
29	m	m	m	m	m	m	m	m	m	m	m	m	
30	m	m	m	m	m	m	m	m	m	m	m	m	
31	m	m	m	m	m	m	m	m	m	m	m	m	
Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	<u>0.0</u>
Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Day	Province : Cao Bang			At : Loc Binh		Jun.	Jul.	Year : 1991	(Unit : mm)				
	Jan.	Feb.	Mar.	Apr.	May				Aug.	Sep.	Oct.	Nov.	Dec.
1			0.0	0.4	0.0	0.0							0.0
2			0.4	0.3	0.0	0.0					0.1		0.0
3			0.0	0.5	1.2	0.0						37.0	
4			0.2	0.6	0.4	0.0						16.0	22.0
5			0.5	0.8		0.0							
6			3.0	0.3		0.5							
7			0.2	0.2	30.0								
8			0.8	0.0	23.0								0.0
9			0.3	0.0	0.2								0.0
10			1.2	0.0	0.5								0.0
11			0.0		0.0							3.7	
12			0.2			22.0						0.5	2.0
13			0.3			4.5							
14			3.2			0.0							0.8
15			0.0			0.5							44.0
16			0.2			40.0							
17			1.5			0.0							16.0
18			2.1			0.3							
19			0.0			0.6							
20			0.0			0.5							
21			0.0			0.0							
22			0.0			0.0							
23			0.0			0.0							
24			1.4										
25			0.9			9.0							9.5
26			2.0			16.5							0.0
27			2.0			35.0							10.0
28			0.0			17.5							2.8
29			0.4										0.0
30			0.3										2.2
31			0.0										2.0
Total	10.9	0.0	12.9	4.1	111.1	313.5	86.3	86.1	39.0	66.8	13.7	14.8	<u>759.2</u>
Max	3.2	0.0	3.0	0.8	40.0	70.0	26.0	24.0	37.0	44.0	9.5	10.0	70.0

Table: Daily Rainfall Data Cao Bang Province at Loc Binh

A1-35

Day	Province : Cao Bang			At : Loc Binh		Jun.	Jul.	Year : Aug.	1996 Sep.	Oct.	(Unit : mm)		
	Jan.	Feb.	Mar.	Apr.	May						Nov.	Dec.	
1								9.5	0.0			0.0	
2				1.7								5.4	
3				2.0	0.0		10.3	3.3				0.0	
4				0.5			0.3	3.5				24.8	0.2
5				0.0						2.6		57.9	3.6
6				0.0						0.5		0.0	
7				1.6				11.6		22.5			
8				5.1	1.5			0.7		1.0			
9			0.6	1.0				43.2	21.9				
10			4.5	1.0				5.9	74.6				
11	1.1		0.0	1.0				17.6	52.8				
12	0.5		0.9	5.7				0.3	26.7				
13	3.0			3.1		11.4		8.5	5.5			29.6	
14	1.0		1.1	4.6		31.8		6.6	10.8				
15	3.3			2.8		12.3		3.5	8.6			3.8	
16	0.5			2.4	12.3	10.1		1.2	0.0			0.0	
17	0.0					14.0		0				0.5	
18	0.0	0.0		1.2		0.5		17.2	0.0		0.0		
19	0.0	0.0		0.0				35.5	26.4		5.5		0.5
20	1.4					19.1			4.2				
21	2.2	11.0			1.8	30.6			0.0				
22	1.8	0.0							14.7			36.5	
23	1.4			1.7					0.3		0.0	34.1	
24	0.5			1.5					35.5			4.7	
25	2.2			6.5	0.0	17.3	121.3		0.6				
26	3.2	0.8		36.4			8.3						
27	0.3			10.1								0.0	
28	0.4			70.1		35.3	3.2						
29					0.0	14.3			0.0			0.5	
30		0.7	0.3			30.2			16.4				
31						0.0			9.5			0.0	
Total	22.8	12.5	133.7	35.5	110.9	262.6	150.8	301.9	150.2	32.1	83.8	9.7	1306.5
Max	3.3	11.0	70.1	5.7	35.3	121.3	35.5	52.8	74.6	22.5	57.9	5.4	121.3

Day	Province : Cao Bang			At : Loc Binh		Jun.	Jul.	Year : Aug.	1997 Sep.	Oct.	(Unit : mm)		
	Jan.	Feb.	Mar.	Apr.	May						Nov.	Dec.	
1								16.0					0.2
2									12.4				
3												0.0	
4												6.0	
5											14.3	2.6	
6											6.4	54.8	
7										0.0			
8										2.1	35.6		
9										0.0			
10										15.0			
11											17.5		
12												2.5	
13												2.3	
14												7.8	
15												2.6	
16												3.7	
17													
18												2.0	0.0
19												3.0	
20												1.0	
21												3.8	
22												15.1	
23												3.0	
24												31.6	
25													8.8
26													2.5
27													0.0
28													0.0
29													0.0
30													0.0
31													0.0
Total	104.4	13.2	124.3	216.0	170.1	258.1	135.1	178.7	117.2	113.4	14.3	27.5	1472.3
Max	40.3	3.9	29.8	50.0	54.8	82.0	22.5	34.9	57.4	28.2	11.8	20.1	82.0

Day	Province : Cao Bang			At : Loc Binh		Jun.	Jul.	Year : Aug.	1998 Sep.	Oct.	(Unit : mm)		
	Jan.	Feb.	Mar.	Apr.	May						Nov.	Dec.	
1												19.5	
2				0.5	0.9								
3				0.4	1.1								0.0
4				7.7									
5				3.0	3.2					20.3		0.0	15.1
6				6.4	0.9					29.0			
7					1.4						0.3		
8										6.9			
9													
10													
11													
12											2.9		
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
Total	18.5	13.9	60.1	97.6	62.1	438.2	165.2	119.5	179.5	3.2	43.7	15.7	1217.2
Max	7.0	6.4	35.5	32.7	21.0	156.5	68.3	43.1	62.9	2.9	23.4	15.1	156.5

Day	Province : Cao Bang			At : Loc Binh		Jun.	Jul.	Year : Aug.	1999 Sep.	Oct.	(Unit : mm)		
	Jan.	Feb.	Mar.	Apr.	May						Nov.	Dec.	
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
Total	61.8	1.3	25.4	76.0	113.8	60.2	121.9	87.4	174.4	46.1	65.0	64.1	897.4
Max	18.2	0.9	16.2	28.4	20.7	15.9	20.0	23.1	73.6	19.7	24.2	19.4	73.6

Table: Daily Rainfall Data Cao Bang Province at Loc Binh

Day	Province : Cao Bang			At : Loc Binh		Jun.	Jul.	Year : 2000		(Unit : mm)			Total
	Jan.	Feb.	Mar.	Apr.	May			Aug.	Sep.	Oct.	Nov.	Dec.	
1			7.2			13.0		0.0					
2			0.4			8.0		0.0	10.0				
3			0.6			0.4		0.0	0.6				
4								13.0					
5								0.0		5.9			
6				1.2	4.1			2.6	6.7	6.7			
7	0.6			1.4	5.6		2.3						
8	0.0			0.5			86.5						
9			2.1	0.5	3.6								
10		0.0	11.9	23.4			1.0						
11	0.4	0.0	2.4	2.6			5.7						
12			0.0	1.7		82.3	13.6						
13			0.0										
14			0.0		0.0					1.5			
15			2.5	6.0						59.7			
16		2.3			1.2			10.5		14.1			
17		1.7	0.6		13.0			2.6		3.6			
18		2.4	3.7		5.9			14.2					
19		1.8	1.7		0.0		37.9			5.6			
20		0.0	1.3				3.4			0.0			
21	0.8	3.0		3.6	0.6	19.7	8.0		3.5				
22		2.2			0.3		1.2		1.7				
23		1.8			2.2				5.8				
24		0.7	5.2			0.0							
25													
26		0.0				1.7			11.7	24.7	1.3		
27		3.2		7.1	0.5	1.4				8.3			
28		5.8		0.0				15.5	0.7		0.6		
29		17.9		0.0	0.6				8.9		0.0		
30					0.2				10.5		0.0		
31													
Total	1.8	42.8	39.6	48.0	37.8	126.5	159.6	58.4	60.1	130.1	1.9	0.0	706.6
Max	0.8	17.9	11.9	23.4	13.0	82.3	86.5	15.5	11.7	59.7	1.3	0.0	86.5

Day	Province : Cao Bang			At : Loc Binh		Jun.	Jul.	Year : 2001		(Unit : mm)			Total
	Jan.	Feb.	Mar.	Apr.	May			Aug.	Sep.	Oct.	Nov.	Dec.	
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
13													
14										1.5			
15										59.7			
16										14.1			
17										3.6			
18													
19										5.6			
20										0.0			
21													
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Table: Daily Rainfall Data Cao Bang Province at Cao Bang

Province : Cao Bang				At : Cao Bang			Year : 2000				(Unit : mm)		
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1	0.0	0.0	14.0	0.0	1.7	0.0	0.0	0.0	1.1	0.5			
2	0.0		0.6	0.0	53.4	13.1	0.0	0.3	0.0	1.6	0.0	0.6	
3	0.0	0.0	0.2		0.0	0.7		12.3	0.0	11.4	0.1	0.5	
4	0.0	0.0	0.0			0.0	0.0	66.0	5.9	20.2	0.1	0.0	
5		0.0			0.8		14.3	34.1	0.0	38.4	0.1	0.0	
6	0.0		0.0	0.0	0.0			1.6	0.0	0.0	0.0	0.0	
7		0.0		1.0	2.2	0.0	0.3	19.1	0.1	0.0	0.0	0.0	
8	13.2	0.0	0.0	2.3	0.8		39.7	7.4		0.1	0.0	0.0	
9	0.0	0.0	2.5	0.0	6.9	2.0	9.2	0.0	0.0	0.0	0.0	0.0	
10		0.2	15.9	31.8	0.0	0.6	18.1	0.0	0.1	0.0	0.0	0.0	
11		0.2	2.2	0.7		32.4	0.0	0.0	0.7	0.0	0.0	0.1	
12	0.0	0.0		0.7	5.1	11.6	1.9	0.0	0.0	0.0		0.0	
13	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0			0.0	
14	0.0		0.0	0.0	0.0	0.0	0.0	4.4		0.0		0.0	
15	0.0	0.0	0.0	3.2	0.0	0.0	0.0	44.4	0.0	55.0			
16		2.4	0.0		0.2	0.0	0.0	12.2	0.0	43.3			
17	0.0	1.1	0.0	0.0	79.9	0.0	0.0	39.0	0.0	6.0		0.0	
18		4.0	0.6		26.2	0.0	0.7	0.4	0.0		0.0		
19	0.0	1.0	0.1		0.2	0.0	65.4	0.0	0.0	5.1	0.0	0.0	
20		0.0	0.0			2.1	16.1	0.0	0.1	1.7	0.5	2.9	
21	0.8	0.0			0.1	0.2	108.9	0.0	0.0				
22	0.4	0.1	0.0	0.0		0.0	14.9		2.7	0.0	0.0	0.0	
23	0.0	0.1	0.0	0.0	0.0		11.7	0.0	6.0		0.0	0.0	
24	0.0		0.0			0.8		0.0		0.0	0.0	0.0	
25			0.5			23.3	0.2	0.0	15.9	0.0	0.0	0.0	
26	0.0	0.0	0.0	0.0		1.9	0.0	0.0	0.7	0.0	0.0	0.0	
27		6.4	0.0	10.8	23.5	12.8		0.0	1.2	44.6	0.0		
28		5.7		0.1	20.3	1.9		0.0	14.1	0.0	0.0	0.0	
29		5.9	0.0		24.0			0.0	0.0	0.0	0.1	0.0	
30				11.4	1.0		0.0	0.0	7.1		0.0	0.0	
31	1.8		3.9		14.5		0.7	0.0		0.0		0.0	
Total	16.2	27.1	40.5	62.0	260.8	103.6	302.1	241.2	54.6	228.5	0.9	4.6	1342.1
Max	13.2	6.4	15.9	31.8	79.9	32.4	108.9	66.0	15.9	55.0	0.5	2.9	108.9

Province : Cao Bang				At : Cao Bang			Year : 2001				(Unit : mm)	
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Red and Thai Binh River Basin

Table: Daily Rainfall Data Hanoi Province at Hanoi (Lang)

Province Hanoi												Province Hanoi													
At: Hanoi (Lang)												At: Hanoi (Lang)													
Year: 2000												Year: 2001													
(Unit: mm)												(Unit: mm)													
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1	0.0		1.1			2.6		2.4	0.0	0.7	0.0	0.0	1												
2	0.0	0.0	0.2			11.0	0.0	3.9	0.0		0.0	0.0	2												
3	0.0	0.0	0.1			18.0	0.0	0.0	0.0		0.0	0.0	3												
4	0.0	0.0	0.5	0.0		0.0		49.6	0.0	74.1	0.0	0.0	4												
5	0.0	0.3	0.0	0.6				0.0			0.0	0.0	5												
6	0.0		0.0		0.9		0.0	3.0		0.0	0.0	0.0	6												
7	0.0			0.0	0.0	2.0		14.5	6.0	0.0	0.0	0.0	7												
8	0.3			2.6	0.0	0.0	28.1	3.5		0.0	0.0	0.0	8												
9	0.0		8.8	0.0	0.0		19.2		0.0	0.0	0.0	0.0	9												
10	0.0		5.4	2.4	0.2		0.1	0.0	2.2	0.0	0.0	0.0	10												
11	0.0	0.1	7.0	5.3		4.0	10.3	0.0	0.3	0.0	0.0	0.0	11												
12		0.0	0.0	0.1	19.4	26.2	70.1	0.0	0.0			0.0	12												
13		0.0	0.3	6.5	0.0	3.4	6.1	0.0				0.0	13												
14	0.0	0.0	0.0	0.0	0.4	0.0			0.0	17.8			14												
15	0.0		0.2	6.8	1.7		1.0			0.0	67.7		15												
16		0.6	0.9	0.0	0.0	0.3		0.1	0.0	29.6		0.0	16												
17	0.1	1.7	0.3		27.7		4.5	0.3	0.0	25.3			17												
18	0.0	0.4	2.8		5.8	0.0		46.6	0.0	0.0		0.0	18												
19		0.7	3.2		0.0	0.0	0.2	0.0	0.0	20.7		0.0	19												
20		0.2	3.2		0.0	0.0	25.0	0.0		1.2		0.0	20												
21	0.4	3.3	0.0	1.4	6.2	3.3	9.0	0.0	0.0				21												
22	0.5	3.0	0.0	0.0	0.5		32.2	28.0	0.0	0.0	0.0		22												
23	0.0	0.5	0.0	0.0	1.7	33.4	43.6	0.6	0.0				23												
24	0.0	0.0	0.0		0.0	30.8	4.6	7.1	0.0	0.0	0.0	0.0	24												
25	1.2	0.5	0.5	36.5	0.0	3.2	0.0	1.4		0.0	0.0	0.0	25												
26		2.8	0.0	1.7		34.6		0.0	5.7	0.0	2.2		26												
27		2.3		84.8		10.4		0.0	2.7		0.0	0.0	27												
28		2.6		2.3		3.9	0.0	32.9	11.8	0.8	0.0	0.0	28												
29		13.7	0.0	0.6	28.2	0.0		0.0	6.9	22.3	0.0	0.0	29												
30	0.0		0.0		11.9			0.0	12.4		0.0	0.0	30												
31	0.0		0.1			6.1			0.6				31												
Total	2.5	32.7	34.6	151.6	104.6	187.1	260.1	193.9	48.0	260.8	2.2	0.0	1278.2	Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Max	1.2	13.7	8.8	84.8	28.2	34.6	70.1	49.6	12.4	74.1	2.2	0.0	84.8	Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	

Table: Daily Rainfall Data Red River Basin at Thai Binh

A1-57

River Basin : Red													
At : Thai Binh													
Year :	(Unit : mm)												
1976	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1				1.4	0.1	6.1	16.9	34.1		0.0	0.2		
2				0.4	1.1	0.9	25.5				0.3		
3			0.0	7.8	2.1	0.0	48.6	0.3					
4			0.0	7.9	5.3	0.1		0.3				0.1	
5				0.5	4.3	0.0		19.7					
6			0.0	1.6	12.1		0.0	0.4		0.0	7.9	1.9	
7		0.8		0.4	0.0					8.7	1.0		
8		46.9		9.7	0.0			9.2			0.2		
9		5.9	0.0	1.9	0.0			84.6		85.1	1.0		
10	7.6		0.5	0.3		71.1		21.6	42.0	29.4	1.9		
11			0.1	0.2	2.6	2.6		1.8	20.4	0.0			
12		0.6	1.3	0.4	5.1	0.7			5.8	0.0			
13		0.0	0.0	28.1				3.0	94.2	0.2			
14			1.8						2.7	0.3			
15		0.2	0.2		0.1			8.0	0.1	0.0			
16		0.2	0.3	0.0				1.9					
17		0.1	0.3					1.3	0.2				
18			0.0						0.0		0.4		
19			19.4	25.9					0.3				
20	0.1	0.4	1.4	17.7		17.7	0.1		30.3				
21	0.0	0.9	0.0	3.8	1.4		11.5		0.0	2.0			
22	3.8	5.6	1.4					10.3	1.1	0.0			
23	0.0	2.9	1.1	11.7					1.6				
24		2.2	0.5	1.2		2.3			13.2	14.3			
25		4.0				17.1	0.5		0.6				
26		0.1	0.7	0.0		2.0				9.5	2.9		
27		1.8					19.0	69.5	1.7	3.4			
28			3.1		55.0		70.3	12.6	2.0	0.8			
29			0.3		47.2		122.7	0.0	0.2				
30			3.3		0.2	60.6	29.2	30.5	0.0				
31			6.1				0.0		7.8				
Total	11.5	72.6	42.0	120.9	136.6	181.2	344.3	256.5	111.4	314.5	13.0	9.5	1614.0
Max	7.6	46.9	19.4	28.1	55.0	71.1	122.7	84.6	42.0	94.2	7.9	3.4	122.7

River Basin : Red													
At : Thai Binh													
Year :	(Unit : mm)												
1977	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1			0.4	0.0	0.2		0.2			0.1	17.2	0.6	
2	0.9		1.3	3.1	0.0					0.6	1.2		
3	11.8	0.2			6.6	18.2							
4	27.2			5.4	6.8	6.2			0.0	6.4			
5									29.3	65.3		1.0	
6				0.1	11.7				10.6	108.0	69.3	3.5	
7	0.2		0.2	0.0		0.2				139.4	2.3	0.1	
8	1.7									4.9		6.9	
9	1.9	0.7		15.3	0.2								
10	0.4			10.0						2.3			
11				0.3			0.6						
12	1.4			3.8			1.0						
13	0.4			0.2			2.0	24.2					
14	1.0							92.5					
15						4.4		20.7				0.2	
16			0.3	0.0				37.5	54.3			0.2	
17	0.2		1.2					12.8	0.1			0.7	
18	0.2		2.6	0.3					2.0			0.6	
19				2.4					35.2			0.2	
20	0.4	0.8	0.0					21.9	79.1				
21		2.5						182.8	12.7				
22							50.9	30.8	3.0				
23			3.6				27.9	2.4				86.1	
24			0.8					11.5				37.4	
25							21.2	2.6			7.0	42.9	
26								9.9				0.0	
27		0.7							0.5			0.0	
28		1.9	1.9							73.7	0.2	0.3	
29	0.4	0.3	0.9						1.0	0.6	11.9	0.0	
30	0.9	1.3	0.2							11.2	3.2	40.4	
31	7.3	5.1	0.9					2.7	11.7	25.9		2.5	
Total	57.5	8.1	19.1	42.2	48.5	101.3	473.4	264.2	404.5	151.2	55.3	140.0	1765.3
Max	27.2	2.5	5.1	15.3	21.2	50.9	182.8	79.1	139.4	69.3	42.9	86.1	182.8

River Basin : Red													
At : Thai Binh													
Year :	(Unit : mm)												
1978	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1	0.0	1.1		0.0	m	0.2	m		21.4	3.2			
2	0.0		0.9	0.0	m	6.0	m		3.1	49.7			
3			0.0	3.1	m	24.2	m		16.0	1.7			
4	3.1	0.0	0.5	0.5	m	0.9	m					0.0	
5	0.0			0.8	m	5.2	m		0.7		21.6		
6				1.7	m	13.1	m		5.6	62.4			
7				7.8	m	5.8	m		20.5	0.2	0.2		
8			0.1	0.8	m		m		94.3	0.3	0.5		
9			0.1	0.0	m		m		24.7	6.1	0.4	0.6	
10					m		m				11.2	1.1	
11		0.0			m		m						
12		3.6	0.7		m		m						
13		1.9	1.9		m		m						
14		1.8	3.8	0.3	m		m						
15		0.4	0.8		m		m						
16			1.7		m	15.0	m						
17			0.7	1.5	m		m		3.6				
18				6.0	m	7.9	m		61.6				
19			0.5		m	0.4	m						
20			0.2		m	1.1	m		2.0				
21		0.2			m	0.1	m		44.8			12.5	
22		13.1	1.7		m	0.3	m		187.6	22.7			
23		0.3	0.6		m		m		50.0	8.9			
24			5.6		m	8.5	m			19.5			
25		18.4	0.2	0.4	m		m		0.0	8.8	0.2		
26		1.9	0.0	1.5	m	93.2	m		21.5	24.5	52.9		
27		0.0	0.9		m	76.7	m		1.1	0.0			
28			0.6		m	0.8	m				0.0		
29			0.9	7.2	m		m			0.0	0.0		
30	2.0		0.2		m		m						
31	7.6				m		m						
Total	12.7	42.7	22.6	31.6	0.0	259.4	0.0	0.0	558.5	145.6	149.4	14.2	1236.7
Max	7.6	18.4	5.6	7.8	0.0	93.2	0.0	0.0	187.6	49.7	62.4	12.5	187.6

River Basin : Red													
At : Thai Binh													
Year :	(Unit : mm)												
1979	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1	1.2		3.9		0.4	18.1							
2	42.1		0.7		79.5	0.2	0.8				39.4		
3	10.6	0.2	2.5	3.3		1.3				166.6			
4	0.0	1.1				42.7				51.8	0.2		
5		1.0	4.7	3.1	0.2	2.0				1.1			
6	0.0	0.0	0.7	0.6		6.6	6.3			24.0			
7	27.8		0.3	0.6						14.7	0.2		
8	0.4		0.0	1.8		1.1	10.1			39.8	11.8		
9		2.8		1.9	3.5					13.6	3.8		
10	0.3	9.3		7.7		11.5				18.3			
11		1.1		1.1	1.7	24.4	39.0		206.1	27.1			
12	0.0	7.6		0.2					4.9	76.0			
13		6.1		16.5		8.7				1.0			
14	0.5	0.7	0.3	1.2									
15	0.8		0.5	0.0	81.6	1.7						0.0	
16	0.5		1.6	0.0		11.8							
17	0.1		4.5	1.0	0.5	2.7			12.4				
18	0.5		1.9	0.4	0.1	6.5					3.9		
19			0.2	0.6	0.7	0.6					7.2		
20	0.4		0.1	26.5		0.4					0.3		
21	1.9			0.1							7.4		
22	1.3		0.0		5.0	10.3					33.3		
23	0.9		2.7	3.0	0.1	2.9					16.7		
24	0.4		2.4		24.1	0.3			14.4	1.0		0.1	
25	0.1				15.1	60.4			6.0		1.2		
26	0.2				5.8						4.7		
27		0.0					1.5	2.9					
28		4.1	0.3	16.0						20.7			
29							0.1						
30	0.1			3.0	62.6							0.2	
31	0.4				21.2		52.3						
Total	90.5	34.0	26.6	94.5	296.3	215.8	121.7	617.2	250.0	5.9	0.7	0.1	1753.3
Max	42.1	9.3	4.7	26.5	81.6	60.4	52.3	206.1	76.0	4.7	0.4	0.1	206.1

Table: Daily Rainfall Data Red River Basin at Thai Binh

River Basin : Red			At : Thai Binh		Year :		1980		(Unit : mm)			
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1		0.0	0.5	48.7		1.5	26.6		38.4			
2		0.5	0.0					0.2	18.5	4.8		
3		0.8	0.7		0.1	3.4			15.6	1.6	0.0	
4		3.0	1.0		10.3	64.7			3.4	0.1	2.9	0.4
5		1.3			15.0	42.4			8.3	2.4		
6		0.3				0.1			110.3	25.3		
7		0.8	0.1		5.3			3.5	81.1	135.9		0.3
8							67.5		0.7			1.9
9				48.6		0.2	3.2	20.0	1.8			14.5
10				2.5								
11			0.7	0.3								0.1
12			0.6	0.0		22.0						3.3
13	0.0		15.4			5.0	1.2					
14	1.0						8.7			2.6		1.2
15	0.1		0.1					3.6	4.5	11.5		
16								1.0	210.3	0.6		0.2
17	0.3				0.7							0.0
18	0.4		1.6		0.1	3.5	12.6			0.1		0.4
19	0.4	1.5		0.0	2.0	22.7	7.1	54.6			0.8	
20	1.6	0.3			1.2	17.3	16.4	5.8		13.4		
21	1.4	0.0				13.9	69.0	25.3		3.9		
22		1.8				1.3	3.7	39.2		2.5		
23		9.6	0.3			6.0	185.5	26.4		14.4		
24		1.0	7.7		4.5	14.1	38.6	21.2		31.2	4.0	
25		5.1	3.2	8.8		17.1	29.7					
26		3.0	6.7	0.4		0.6	6.2					
27			0.5	0.4		38.2	7.0					
28				0.9		17.1		0.1	12.3			
29		0.4	0.9			17.9		28.0	3.3			
30			0.7			1.2		40.8	0.1			
31			0.1					133.8				
Total	5.2	29.4	40.8	110.6	39.2	310.2	483.0	403.4	493.6	265.4	7.7	22.3
Max	1.6	9.6	15.4	48.7	15.0	64.7	185.5	133.8	210.3	135.9	4.0	14.5

River Basin : Red			At : Thai Binh		Year :		1981		(Unit : mm)			
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1	0.6	0.0	0.7	42.9		0.1			8.4	0.1	0.1	
2		0.0	2.3	3.0		6.6				1.8	0.6	
3		0.6	1.0		4.9				0.0	14.5	10.0	
4	0.0	1.6	25.5			0.2	18.9	17.0	0.8	4.9	0.8	
5	0.1	0.8	0.1			7.7	36.3	0.2	13.7	6.6		
6		1.0	1.6			4.0			5.2	1.9	0.5	
7		0.4	1.6	0.2					19.5	8.4	4.2	
8				0.3						20.8	11.9	
9	0.4	1.4	4.7			3.8			1.0	100.2		
10	0.1	0.1		2.4		0.0		27.0				
11		0.2		0.8		0.4			2.0			
12					36.7	9.8					1.2	
13				7.7	10.1							
14				1.2	5.3			10.7				
15			2.0		3.1			12.1	82.7	10.0	1.8	
16										17.6		
17			0.8							60.3	0.5	
18						0.3		6.8	0.4	20.5	1.0	0.2
19	1.7					65.6		9.6	51.4	7.5	0.4	
20		1.1		5.1	65.7		20.9	80.5	0.1		5.1	
21		0.4		8.3	3.3	5.4		0.2				
22			0.3	0.0	26.1							
23	2.3	0.4		41.4	8.2	24.5					1.3	
24					1.9	4.0						
25		4.9										
26		3.6	2.5	6.3				0.6				
27		1.4	23.9								0.8	
28		0.5	0.6	0.0							0.4	
29	0.5				7.4	0.8	1.6					0.2
30	0.4		1.8			2.0	5.3					
31					10.3					0.6		
Total	6.1	18.4	69.4	119.6	248.9	69.5	115.4	198.9	161.4	251.6	36.9	0.2
Max	2.3	4.9	25.5	42.9	65.7	24.5	36.3	80.5	82.7	100.2	11.9	0.2

River Basin : Red			At : Thai Binh		Year :		1982		(Unit : mm)			
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1			1.3	4.2		0.1			9.6			
2	0.0		1.3	4.6					16.5			
3			0.4	29.4		13.2	7.2		8.8	2.0	69.5	
4	8.6		0.8	9.8		1.2			38.7			
5	0.4		0.7			74.8		0.0	8.7			0.1
6		3.3			22.2	96.9				4.8		0.7
7	0.7	1.4			1.9	21.0		0.8	100.6	37.7		
8		3.7	1.2	1.1			3.4	6.9	17.5			
9		0.2	2.8			5.8		1.0	3.0	7.0	0.3	
10		1.2				13.0		63.8	6.7	2.1		0.2
11			0.3	0.5		1.6	6.7	8.2				8.9
12			0.5			1.0			5.4			
13		0.1	0.3	0.4	11.4		19.8	1.0	0.0	9.2		
14		0.5	0.6	1.7				1.1	8.5	2.6		
15			0.1	0.1			0.4	15.7	7.5	23.0		
16	2.0					0.2	0.6	0.2		49.6		
17			0.7			29.7		2.1				
18	0.9	0.3		16.2		6.1	18.0	0.3	215.8			
19		1.0				19.3	38.2		73.3			
20		1.1		0.3		5.5	34.0	0.0	6.5			
21		0.5	2.2		0.1	34.7	7.6	1.7	19.1	6.8		
22		0.9					1.5	0.0		26.3		
23		0.9		0.7		1.4		1.8		0.2		
24				1.3	0.5	0.2			28.4	1.4		
25		1.0	0.6		4.4			3.1		12.4	8.2	
26		6.7						1.2	0.8	2.2	1.0	
27		4.3	5.5		4.5			73.0	0.2	1.7		
28		3.2	10.1		4.3	1.8		23.6	164.0	53.6		
29			0.8						91.6			
30			0.8			0.0	19.5		4.0			
31	0.5											
Total	13.1	31.6	29.7	70.3	49.3	231.9	149.2	218.5	553.3	450.1	244.0	19.1
Max	8.6	6.7	10.1	29.4	22.2	96.9	34.7	63.8	164.0	215.8	69.5	8.9

River Basin : Red			At : Thai Binh		Year :		1983		(Unit : mm)			
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1			0.1		9.1			131.0	1.8	75.4		
2			0.5	1.8				19.6	5.5	167.8		
3		9.2	0.3	1.1				25.3	22.0	39.7		
4		20.6	0.3	6.6	2.2			0.6	1.8	105.6		
5		22.0	3.7	4.5	1.2	1.2	0.1	16.5	6.0	19.8		
6			0.0		37.7			19.2	10.9	66.1	13.7	
7		1.0		0.1	1.0	15.2	0.9	10.3	19.8	0.0		
8		2.7	0.1		0.6	0.3	0.8	1.6	2.7		0.2	
9			0.0	0.7						0.3	12.4	
10		0.8	0.5	1.3				0.8		51.9	1.1	
11			5.2	0.7						5.7		
12			0.5	0.3		0.1	0.2				16.0	
13			1.7							1.9		
14				0.3					0.9	13.5		
15		0.5	0.4	1.6					1.6			
16			0.6	1.9	0.3			14.3	40.0			
17				6.7				0.4			1.6	0.7
18				0.3	0.8			145.2	0.2	0.1		
19		0.9		0.5					16.6	0.2		
20			1.3	0.3					25.8	7.9		
21		6.0	5.6								7.2	0.3
22		2.4	2.0		1.5					0.4		
23			5.5	3.5	26.5	65.0			5.0	22.3		0.2
24			1.5	1.4		14.5		8.4				
25			2.4	0.2	0.1		1.3				0.2	
26			1.7	0.1		0.4				2.4		
27			2.4	1.1	0.1	9.0				3.5		
28			2.4	0.3						0.0	1.4	1.4
29				0.1						0.0		10.6
30				88.2						0.2		
31												
Total	66.1	37.8	28.1	140.3	54.7	110.0	160.1	309.8	156.3	518.8	31.6	13.2
Max	22.0	5.6	6.7	88.2	26.5	65.0	145.2	131.0	66.1	167.8	16.0	10.6

Table: Daily Rainfall Data Red River Basin at Thai Binh

River Basin : Red													At : Thai Binh			Year :	1984				(Unit : mm)	
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Aug.	Sep.	Oct.	Nov.	Dec.					
1		0.4		0.3			13.2			64.0				8.3								
2		0.6		0.1	0.1	31.5				11.0												
3	0.1	1.3					4.5	0.7														
4		0.8			0.0		0.5	12.5		2.9		2.3										
5		1.2				0.9		0.5	5.8	0.2		2.3										
6		1.1	0.0	0.1			104.7	67.5														
7			4.9	1.8			17.0	19.4	1.2													
8			2.1	0.4		10.9	0.0	0.5	18.4	6.6	0.3						7.8					
9			1.2	3.0						7.4	3.5	2.2					0.2					
10		0.1	1.7	0.4		0.0	11.9	6.5	0.1		37.5					1.2	6.9					
11		0.2			0.1	5.6	0.1	3.8		7.6	1.6	2.9				66.5	2.4					
12		0.6	0.0	1.6	2.9			0.8		6.9	34.1	0.0				61.4						
13		0.4	0.4	0.0	0.2			45.4	15.2	0.4	8.1					1.5	75.8					
14		2.9	0.1	0.1	1.1			30.1	69.9	2.0	0.9					8.9	5.7					
15		0.9		0.1			10.9	10.4		104.5	0.1					4.2	36.0					
16		0.0	0.1		0.0	4.2		28.9		98.5		0.2										
17	0.1	1.0	0.3	0.0	1.0			8.0	0.0	2.0	7.0					1.0	6.5					
18		1.7	0.0		8.9			10.6	31.1	2.6		0.1										
19	1.0	0.1	0.2		12.5	2.4			0.6	0.2		2.1										
20	2.0	0.7	0.1		0.4	39.9	0.0		2.0			0.1										
21	0.9	0.9	2.4		2.2	40.9			5.9			1.7										
22		1.1	2.0	0.2	3.4	21.5			6.1													
23	0.0	0.6	0.0	0.0	22.0	0.3										41.6	31.4					
24	1.0	1.2	1.2	0.4	135.5	6.6										18.1	1.3					
25	0.4	0.0	0.0	0.4	6.1	0.6		0.4								188.5	0.0					
26		4.2	0.8	0.0	0.8	56.7		14.8								10.5	0.8					
27	0.0	1.5	0.2	0.1	2.0	0.0	1.4	9.1	25.2			0.3				16.1						
28	0.1	0.7		33.9	0.4	0.0		15.3	38.3			0.0	0.6			47.0	29.6					
29	0.2	0.1	0.0	0.5	18.7			0.4	52.0							18.8	4.6					
30	0.6		1.2	0.3		1.1	11.7		80.6			0.1				8.7	13.6					
31	0.1		0.4				7.6									3.0	3.0					
Total	6.5	24.3	19.3	43.7	199.6	241.8	183.5	285.6	360.7	316.8	93.2	14.8	1789.8									
Max	2.0	4.2	4.9	33.9	135.5	56.7	104.7	67.5	80.6	104.5	37.5	2.9	135.5									

River Basin : Red													At : Thai Binh			Year :	1985				(Unit : mm)	
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Aug.	Sep.	Oct.	Nov.	Dec.					
1	0.1	0.2		1.1	0.1	0.2	48.5	4.7	13.2					9.7								
2	0.6			1.9	0.6	2.6	0.1															
3	0.0			2.3	1.4	1.0	0.1	21.0	12.0							28.3						
4	1.3	0.0	1.4					1.0	28.6								0.1					
5	0.6	0.1	0.4													0.6						
6	0.3	0.2		1.2		10.5	17.3															
7	0.8			2.1	1.6		4.0	14.8	6.0													
8	1.8	0.3	0.3	0.5			0.2										7.8					
9	2.7	0.1	1.5	10.0												1.2	6.9					
10	0.2			2.7												66.5	2.4					
11	0.9	0.4	4.1	0.1			1.5									61.4						
12	0.8	3.6	0.9	0.9	1.7		1.7	32.1	100.1							1.5	75.8					
13	0.4	1.0	0.5	5.6		67.6		1.5	75.8								30.3					
14		0.1		14.5				0.7	8.9								5.7					
15		0.6		0.2	1.0	6.9	4.2	8.6	36.0								2.3					
16	0.4	0.5														1.0	6.5					
17	0.4									87.5		0.1										
18		23.9	0.4		0.1	9.7										67.3						
19		0.0	0.5	7.2		8.5	33.0	0.8														
20		6.5	0.2			34.1	6.8	5.0	0.2													
21		1.7	1.0		8.8	10.3										9.5	0.7					
22		1.9	2.3		22.3	18.0	0.6									37.3						
23		1.1			0.1			41.6	31.4	14.0	0.2											
24	4.8	0.2	0.7		1.2			18.1	1.3	12.4	0.1											
25	31.8	0.2	4.1	0.2	0.2			188.5	0.0													
26	5.8	1.7	0.9	92.9	0.0			10.5	0.8													
27	0.0	1.7	1.1					16.1									0.7					
28	0.2	0.9						29.6	2.2								5.9					
29	1.1			0.0	11.6			18.8	4.6								0.4					
30				0.6	0.2			8.7	13.6	1.2							0.4					
31				2.0	8.1			3.0	3.0							7.8						
Total	55.0	46.9	57.3	137.6	144.0	216.9	174.4	438.3	406.6	162.3	90.1	1.5	1930.9									
Max	31.8	23.9	25.8	92.9	87.5	67.6	47.0	188.5	100.1	67.3	30.3	1.4	188.5									

River Basin : Red													At : Thai Binh			Year :	1986				(Unit : mm)	
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Aug.	Sep.	Oct.	Nov.	Dec.					
1			0.6	0.4	15.6	0.1																
2		1.4		0.6	0.5	3.6			1.4													
3		1.1		3.6	0.0	8.2		0.4		1.8												
4		1.0		2.3		4.8			32.0	4.0												
5		0.5		9.7					1.2			0.0										
6		1.5			52.4		1.8		69.2			1.2										
7		0.2					0.1	0.0	13.6			3.6										
8					0.8			23.3	5.5			7.6										
9					1.8	1.0	35.9	10.5	11.3	0.0		0.5										
10			0.0		70.1			11.3	9.9			0.4										
11			0.1	0.4	7.5	9.0			2.0													
12		0.0	0.5	0.9	0.0	34.2		0.5		1.6	1.1											
13		0.1	2.4	0.0		11.9	37.5	11.1		0.6												
14		0.0					0.0	3.0		2.1	0.2											
15		0.4	0.0	8.6	5.1		0.8	3.9	0.8	0.2	0.1											
16		0.5		0.1	9.9			7.9														
17		0.8		0.3					20.2													
18		1.6				2.1											0.6					
19		1.2		1.8		2.1	4.2			0.1												
20			0.5			1.0																
21		0.7	0.5		5.2	2.6	2.1			28.3												
22				19.5		3.8	10.7	8.7		5.7												
23	1.3	2.9	0.0			1.7	13.2	0.3		59.7												
24	1.2	2.4	1.4		7.6	66.3		18.5		20.7		0.0										
25	7.0	2.5	0.6	2.1	70.3		1.0	2.7		44.0												
26		4.4		0.3																		
27		4.7	1.5	0.2	3.5				0.5	0.2	0.2	2.6										
28		3.6	1.0		30.1				3.0	4.8	0.3											
29			0.1				3.5															
30			0.8	0.1			0.0		19.4													
31			0.3		0.1							2.0										
Total	9.5	30.8	10.5	51.4	280.5	151.4	112.0	102.1	190.0	171.4	4.5	18.8	1132.9									
Max	7.0	4.7	2.4	19.5	70.3	66.3	37.5	23.3	69.2	59.7	2.1	7.6	70.3									

River Basin : Red													At : Thai Binh			Year :	1987				(Unit : mm)	
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Aug.	Sep.	Oct.	Nov.	Dec.					
1						0.0																
2	0.0	0.0		0.3		0.0	0.2										4.3					
3				3.1		1.0	0.6										2.3					
4				0.4		1.1	29.9									20.6	0.5					
5	2.3		8.0	0.0	4.8	9.2	1.1									16.2	0.6					
6				4.5		4.2																

Table: Daily Rainfall Data Red River Basin at Thai Binh

A1-60

River Basin : Red				At : Thai Binh		Year : 1988		(Unit : mm)					
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1		1.4	3.8	0.0				18.0			0.4		
2	0.2	6.7	1.7	0.2	0.5			40.4		20.2	1.1		
3	0.3	2.3	0.6	0.1	1.8		2.3	45.6		123.9			
4	4.4	3.9	0.4		0.2		9.0			59.8		0.1	
5	3.3	0.0	0.0	0.5			2.7	0.0		1.6			
6	0.7	1.1	1.7	1.9				16.2	2.8	0.2			
7	0.5	0.6		5.6				1.2		1.5			
8		13.9		3.1				37.5					
9		3.2											
10		0.7		0.2	0.1			0.0	0.1	0.0			
11		0.7		0.4	0.3			6.4	6.4	15.8			
12			0.4	1.2	56.2		1.8			22.2			
13			0.5		0.0		38.6	19.1		17.2			
14	0.0	3.5		0.1	5.4		15.5		0.0	11.9			
15		3.7		8.9		3.2		0.2	24.0				
16		3.3	0.2				0.6	2.1		5.0	0.4		
17		5.1	3.9				2.6		3.1	4.5			
18		0.5	4.3	2.6	0.3	15.0	0.2		8.9		0.6		
19		9.3	1.9			60.1		0.3	7.2				
20												0.0	
21			1.6				2.3						
22			7.5							0.7			
23		1.1	4.9	0.0						57.1			
24	0.0	0.6	1.4			9.9		9.4					
25	0.4	1.3	0.8			3.5							
26		3.0	2.0			1.3							
27	1.0	1.9	1.4		53.0							1.0	
28	1.0	2.0	0.0	0.0		0.7		28.9	0.0	5.4			
29	0.4	3.6	0.1	0.0	60.6	5.9	3.8			51.3			
30	3.2	3.6	3.0	2.8	1.4		3.6			0.3			
31	0.2	0.6	6.3		6.3		0.1			0.5			
Total	15.6	73.4	42.7	27.6	186.1	99.6	83.1	218.9	52.5	399.1	2.5	1.1	1202.2
Max	4.4	13.9	7.5	8.9	60.6	60.1	38.6	45.6	24.0	123.9	1.1	1.0	123.9

River Basin : Red				At : Thai Binh		Year : 1989		(Unit : mm)					
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1		0.1	0.5	8.4		5.6	1.6						
2		1.0											
3	0.0	0.1	0.0		21.8	7.6					38.5		
4	4.5		0.4		23.4		3.1				62.7		
5	6.7	1.4	0.6		0.6	0.2	30.0			50.8	102.4		
6		0.7		0.0				39.5		0.0	0.1		
7		0.7		1.0				6.3		0.2	0.1		
8		0.9		4.5				45.1					
9		5.5		2.3	0.8			8.6			0.2		
10			0.0	0.0		3.9						34.9	
11	0.0					143.8	9.0				1.3	22.0	
12	0.0		0.0			31.4	22.5		24.9			0.1	
13	3.9			0.6	1.3	3.2	4.1				41.4		
14				1.3	7.0	0.2					172.0		
15				4.6	1.1						2.7		
16				11.1	1.5	0.0							
17		0.1		7.5	0.2	3.6							
18	0.5		0.4	0.3									
19	1.9		0.2					70.0					
20	0.2	0.1	0.1			3.8						0.0	
21	0.3	0.1	11.2										
22	1.4		3.5	0.1			4.1						
23		0.0				0.3		54.9		2.1			
24			0.5	0.0	1.2	8.2	71.9	3.0		1.4			
25	0.0		3.2	0.0	17.3	17.2		24.0		0.3			
26	0.4		4.7	0.6	73.0	3.8		38.9					
27	0.4			1.8	2.7	16.1		10.0		0.2		0.0	
28	0.7				1.0							0.0	
29	1.1										0.1	1.5	
30	0.2		1.4	0.3							1.4	1.8	
31	0.0		4.0		13.7							0.0	
Total	22.2	10.7	49.3	27.7	168.5	245.3	280.0	0.0	255.9	426.9	22.5	38.5	1547.5
Max	6.7	5.5	11.2	8.4	73.0	143.8	71.9	0.0	54.9	172.0	22.0	34.9	172.0

River Basin : Red				At : Thai Binh		Year : 1990		(Unit : mm)					
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1	0.8		5.2	0.8		29.9	0.0			13.9			
2	1.2	0.8	1.4	0.1	0.0		26.9		0.1	0.2			
3		0.6	1.1		2.0				0.7	8.2			
4	0.3	0.6	6.0	9.5	6.2				0.2	35.6			
5	1.1	0.3	2.9	0.6						118.2	7.6		
6	0.8	0.1		10.6						300.3	17.0		
7	0.0	0.0									1.1		
8	0.8	0.6	4.3		0.0		6.3						
9	0.0	1.1	2.3	0.1	0.0	50.6	24.7	0.0			10.2		
10	0.0		0.2	0.0				29.3					
11	0.2	0.1	0.0		34.6	0.3				1.7			
12			1.5	2.4	5.0					9.6			
13		6.9	1.0	1.3					2.6	1.2			
14	0.1	0.0	0.2		0.9				0.5			2.7	
15	0.3	0.3	46.2	0.3					9.6				
16		0.1	4.5		3.1					1.7			
17	1.0		0.3		27.1				2.1	1.5	4.8	50.0	
18	1.6		8.3			0.0			0.0		2.7		
19	3.1	1.4		0.1		1.8	0.1	2.6	10.4	4.3			
20		0.2			0.0	1.6		143.2		120.5	0.2	1.1	
21	0.2	0.0	0.3		2.8		23.2			56.2			
22	0.0	11.3	0.0		1.2	0.2	58.6			0.9		0.2	
23		5.1	0.0		121.1	14.6	52.8			0.9			
24		9.8		7.8	0.8	0.0	8.7	0.1		126.5			
25		5.3		1.2		1.7	0.7	0.0	28.5	5.2			
26		2.1		3.9			3.9	0.2					
27		0.2	0.0			4.8	31.6	0.0					
28	0.1	2.1	0.2			3.7	2.3	12.8		1.5		9.7	
29			17.2		0.0	0.0	18.6	24.1	0.7	2.3			
30	0.0			0.6	3.1		135.6	1.2			0.7		
31	2.4		0.2	1.4		0.1	6.6						
Total	14.0	49.0	103.3	38.7	206.8	112.3	258.5	224.1	201.7	796.2	46.6	63.7	2114.9
Max	3.1	11.3	46.2	10.6	121.1	50.6	58.6	135.6	143.2	300.3	17.0	50.0	300.3

River Basin : Red				At : Thai Binh		Year : 1991		(Unit : mm)					
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	
1			0.0	3.9				4.0		9.5	0.0		
2			0.2				1.5			0.8	0.0		
3			4.3				3.6				0.0	0.4	
4	0.0		1.1							1.1	0.2		
5	4.5		0.8	0.0						0.4	0.0	0.3	
6	0.0		0.0	1.8		17.6		2.5		0.6		3.5	
7	0.3		0.0			23.7					0.0		
8	2.8		0.0	0.4	85.9						0.0	0.0	
9	0.2		0.0	0.1	0.0	8.0	0.2				0.0	0.0	
10			0.0			16.4					0.0	0.0	
11	0.3		0.0						9.8	0.0	8.0	0.0	
12	1.5							29.7		6.9			
13	1.3	0.0	0.0			8.4	0.4			1.5			
14	0.2	0.0	0.4	0.9			143.7	3.0	1.5	0.6			
15		0.0	1.5				0.1	0.6	0.0	0.0		0.0	
16			1.2			21.3	21.0	4.2	5.5			0.0	
17	0.0	0.2	0.5						45.6	0.0	0.9	0.0	
18	0.5	0.4	0.6	0.0					7.9	0.0	0.0	0.0	
19		3.4	0.0	3.0				0.2	6.1	0.0	0.1	0.0	
20		2.4	0.9	6.1					0.0		0.0	0.0	
21	0.0			0.8					0.0	29.0	0.1	2.6	
22	0.2		0.2	0.6	0.9	13.7	2.5		7.0	3.1	26.9	0.0	
23	0.0					4.8	24.6		0.4		5.1	0.0	
24	0.0		1.9					0.2	0.0		0.0	8.5	
25	0.0	0.7				2.5	0.1		9.7			0.0	
26	0.5	0.3	0.8			12.6	1.5		0.1	0.0		0.0	
27	0.4	0.0					16.2	1.8	0.0			6.0	
28	0.1	0.0	0.3			14.9	0.3	8.9				30.5	
29			0.7			1.6					0.0	5.1	
30			43.5	3.9	3.1	0.1		0.0	0.0	0.0	0.1	2.7	
31			14.8				0.1						
Total	12.8	7.4	73.7	17.6	176.3	128.9	199.2	127.1	59.5	12.4	48.2	52.2	915.3
Max	4.5	3.4	43.5	6.1	85.9	23.7	143.7	45.6	29.0	6.9	26.9	30.5	143.7</

Table: Daily Rainfall Data Red River Basin at Thai Binh

River Basin : Red														At : Thai Binh				Year :		1992			(Unit : mm)		
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1	0.0	10.3	0.4	2.6			0.0		0.0	0.0	0.0		1	0.2	0.9	0.5	3.9				2.6	13.5		0.1	0.0
2	6.8	2.6		2.0					0.0	0.1	0.0		2			0.0	2.1				9.3		0.0	0.2	
3	12.3			0.0	0.0				7.4	0.0	0.0		3		0.0	0.0	15.7	9.1		1.8	0.1			0.1	
4	17.7	0.1		0.5	0.5	2.6			0.1	0.0	0.2		4		2.7	0.1	0.1	0.1			2.1	0.0			
5	0.4		0.5	0.2	0.0				0.0	4.4	0.1	2.4	5		0.2		0.1				14.9	0.0			
6		1.7		3.5	0.3	0.1	0.0				0.0	0.0	6		0.1	4.1	10.9	0.1	9.5		8.2		0.0		
7	5.0	5.2		0.1		53.9	5.1		1.2		0.0	0.0	7	0.8		0.0	5.9	0.0	10.1		5.9	3.2	0.1	0.0	
8	0.9	1.3		57.7		2.9			17.5	1.0	6.7	0.3	8								11.1	0.1	0.0	0.1	
9		1.6	0.3	0.6				0.0	16.0	2.5	6.8	0.2	9		0.1	0.0	1.2		2.8	1.4	57.8	0.0	0.0	0.7	
10		2.3	1.4	0.0	16.6			12.7	14.3	0.0	0.0	0.1	10			0.0	0.0		0.1		29.6	0.1	0.0	5.3	
11	0.0	3.1		1.6		3.9		4.0		0.0	0.0	0.1	11			0.1	15.0			8.2				0.0	
12	0.0	3.2	1.3					8.1	0.0	0.0	0.0	0.0	12		0.1	1.2	3.4				0.0	0.1		0.0	
13	1.0			2.7		0.2	16.9		0.2		0.0	0.0	13		0.2	4.6	0.3		0.1		1.0	0.0			
14		1.9	3.1	6.0			105.7	11.3	17.6		0.0		14	1.7			0.1				11.5	0.0			
15		0.3	0.6					4.4	4.3		2.6		15	1.1	0.3		0.4	5.9	14.9		16.2	0.0		0.1	
16	0.0	0.2						10.2	0.0		1.6		16	1.6	0.0	0.6	91.8				0.1	1.2	3.0		
17	0.0	0.3	0.8					2.3	0.0	0.0	0.0	0.8	17		0.3		10.3				44.6	0.1	0.9	0.9	
18	0.0	0.7	1.5		10.6	34.9		0.0	3.9	0.2	0.0	2.2	18		0.3	2.9		0.1	0.1		43.9	33.8		18.7	
19	0.0	1.7	5.9		1.8	7.2			12.4		0.0	0.0	19		0.7	0.5	0.5				1.3	30.8		2.4	
20		0.2	4.0		0.1				113.7	0.0	0.2	0.0	20	0.4		0.7	45.0	0.1			27.5			0.1	
21	0.0	0.3			8.8	11.6	5.9		35.0	0.0	0.0	0.0	21			1.6	0.3	0.3	0.1						
22	0.0	0.4	1.6			0.3	22.0		0.0	0.0	0.0	0.1	22			0.1					33.0	0.0			
23	0.0	2.2		0.0	0.0		0.2	13.1	0.0	0.0	0.0	0.0	23	0.3	1.1		1.6	5.1							
24	5.6		1.0	0.6	0.1		4.4	7.1	0.0		0.0	1.6	24		4.5	0.2	1.7	0.6	0.6	0.5		0.1			
25	11.2		0.3	0.1	1.5		70.7	1.8	0.0		0.0	33.7	25		0.4	0.0	0.1	4.6	0.3		2.1		0.0	2.4	
26	0.0	0.0	1.5		1.5	11.3	10.1	18.7	0.4	0.0		0.0	26		0.5	0.1	5.2	0.4				0.0	0.0	9.5	
27	4.0	9.3	2.1			9.3	7.9	14.1	56.5			0.0	27		3.9	0.0	0.1	19.5				0.0	0.1	6.6	
28	0.6		1.1			3.4	45.7	0.0	0.4		0.0	0.5	28		0.5	0.0	20.1		0.4		0.0	24.3		0.1	
29						144.4	38.4		0.5		0.0	0.0	29			1.6	0.0	1.2	0.1	39.0	0.6	1.0		0.2	
30				5.0		74.7	0.1		0.0	0.0	0.0	0.0	30			9.0	0.0	0.5	0.8		8.4	59.2		0.3	
31	0.0		1.2			0.5	0.0		0.1	0.1	0.0	0.0	31			1.8					20.8	0.1		0.1	
Total	65.5	44.0	32.5	78.2	48.0	377.4	316.7	107.8	293.9	15.7	18.1	42.2	Total	4.3	15.0	31.8	69.5	179.3	74.8	75.2	234.1	301.8	28.0	43.9	7.1
Max	17.7	10.3	5.9	57.7	16.6	144.4	105.7	18.7	113.7	7.4	6.8	33.7	Max	1.7	4.5	9.0	45.0	91.8	19.5	65.9	44.6	59.2	24.3	18.7	5.3

River Basin : Red														At : Thai Binh				Year :		1993			(Unit : mm)		
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.
1	0.0	0.0		0.6		5.8		16.0	13.6	0.0	0.0	4.0	1	37.5		2.6	1.2			0.6		7.2			0.1
2	0.1		0.3	1.8		5.1			0.0	0.0	0.0	1.0	2			0.3	8.8		4.7	0.8					
3									0.0	8.3	4.2	2.0	3	0.6		0.3	5.6	0.7		0.7					
4									6.4	1.5	2.0		4				0.7	18.8		6.6	18.7	1.9	1.5		0.0
5									11.0	0.0		0.2	5				0.2		44.1	0.6	3.8	0.1			
6									16.2			0.2	6	0.1		0.9	4.1			0.7	0.0			2.1	
7	0.3		0.7	0.4	0.6				86.5			3.2	7	0.0		1.4	3.4	2.6	9.7	56.3	1.9	12.5	12.5	0.0	
8	0.1	2.8	0.5	0.4		1.0	3.8	6.9	17.0			0.0	8	0.1	0.0	0.3	0.7		28.1	0.1	0.1		5.6	0.0	
9	0.1		0.1	2.2		61.8	20.5		0.0			0.1	9	0.0	0.0	0.7	4.2		0.8	2.5	76.1	24.8		0.1	
10	0.2	2.0	3.7	0.1	0.2					6.5		0.2	10	0.3	0.0		0.1		4.3	0.2		0.0			0.0
11	0.1		0.4							1.9		0.2	11	0.1		0.6		3.7	4.6		0.5		0.0	0.1	
12	0.0	0.0	1.7	0.1	2.2			0.0	1.5	0.1		0.8	12	1.4	0.0	3.5		10.3			43.0	3.6	0.1	0.1	
13	0.7	0.5	0.1	1.2			1.5	9.8	4.9	0.0			13	1.3	0.5	3.3			17.6	0.5	19.0		0.1	0.2	
14	0.0	0.9	8.9				33.5	2.1	55.1	0.6			14	0.6	0.3	2.4	0.0	4.5		0.4	0.0	3.3	0.1	12.7	0.3
15	0.3	0.1	0.8	0.4			5.8	33.4	67.5	2.9		0.3	15		0.4	0.3	15.4			2.8		0.0	0.1	0.9	
16	0.5	4.0	0.1				18.9	22.1	58.0	7.3			16	0.9		0.4	0.1			4.5	19.9	0.7		0.1	0.3
17	0.6	2.7	1.7		4.3		6.2		50.3	6.1	0.0	0.1	17	0.1	1.4	0.3		0.4		4.4	0.1	28.7		0.0	0.8
18	0.0	1.1	0.2	0.0	30.7	19.3	6.9		0.1	1.8	0.0		18	0.2	2.4	1.4			2.4	26.3	3.4	0.5	4.8	0.1	3.1
19		0.3	0.6		39.3		5.9	7.3	9.7	12.0	0.0		19	0.0					0.3	61.6		27.3		0.0	
20	2.8	0.0	0.4	0.0	60.8	0.0	4.2	10.3	0.9	9.8			20								6.6		0.0	0.1	0.8
21	0.0	0.1	0.8	0.0	25.1		0.5	0.0	0.0	0.0	0.0		21	0.0	1.4	0.7			0.2	23.2		0.0			
22		0.0	2.6	0.1		29.7		0.0	21.9	0.0	0.0		22			2.5				21.1		0.0			
23		0.1	0.0			19.1		48.6	22.1			0.1	23	0.1	3.4	0.8						0.1			
24		0.0				5.8		20.1	1.6			0.2	24	2.7	2.0	3.3	0.1					0.0			
25				0.1		0.4	0.3	0.0	3.2			0.1	25	0.1	2.3	1.4	0.2					0.1		0.0	
26		0.8	0.0				32.9	0.0	28.3		0.0	0.2	26	0.1	0.9								0.1		
27		1.0	50.0		42.1	1.0	6.9	0.0	47.7		4.1	0.0	27	0.1	0.2	0.0		0.3	1.7	0.1			0.0		
28			40.7			0.1	6.6	5.0		7.6			28	0.1		0.7				3.2	13.8	0.0		0.2	
29	0.0		0.1				0.9	169.4		8.7	0.1		29			28.2			0.0	100.8	46.3	9.4	0.0	0.1	
30	0.0		0.2			26.4	37.7	164.2		0.5	0.3		30			0.3		10.2	10.5	21.5	53.1	43.1	0.0	0.0	
31	0.7		14.6		4.3		24.0	4.9			0.4		31	0.4		0.8		20.3				0.0			0.0
Total	6.5	17.2	131.9	7.4	216.2	230.0	246.3	520.3	511.6	60.9	30.7	17.7	Total	58.2	17.7	54.9	29.4	87.2	128.8	250.0	343.7	204.5	52.1	33.9	6.8
Max	2.8	4.0	50.0	2.2	60.8	61.8	37.7	169.4	86.5	12.0	9.8	4.2	Max	37.5	3.4	28.2	8.8	20.3	44.1	100.8	76.1	43.1	22.3	12.7	3.1

19-IV
A161

Table: Daily Rainfall Data Red River Basin at Thai Binh

River Basin : Red				At : Thai Binh				Year : 2000				(Unit : mm)				
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.				
1	0.2		17.2	0.1	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0				
2	0.0	0.0	4.6	0.0	0.6	12.3	0.1	1.2	0.4	0.0	0.0	0.0				
3	0.0	0.0	0.0	0.1	0.4	3.4	0.1	0.2	76.8	0.2	0.0	0.0				
4	0.0	0.0	0.1		0.0	0.0	0.0	0.2	6.1	0.0	0.0	0.0				
5	0.0	0.0	0.0	0.8	0.0	0.0	0.0	0.2	0.0	2.8	0.0	0.0				
6	0.0	0.0	0.0	0.1	11.5	0.0	0.3	2.1	0.1	0.0	0.0	0.0				
7	0.0	0.0	0.0	0.8	29.2	0.0		45.2	66.5	0.2	0.1	0.2				
8	0.0	0.0	0.0	0.0	1.1	0.0	1.7	39.6	2.2	0.1	0.1	0.0				
9	0.0	0.0	0.1	0.0	0.2	6.2	8.0	3.1	5.5	0.0	0.0	0.0				
10	0.0	0.0	2.5	0.0	1.6		1.2	0.1	31.1	0.0	0.0	0.0				
11	0.0	0.0	0.9	0.0	0.0		6.5	0.0	21.5	0.0	0.0	0.0				
12	0.0	0.0	2.2	0.4	4.2	35.1	21.0	0.4	1.0	0.2	0.0	0.0				
13	0.0	0.0	0.2	1.3	5.9	4.2	13.3	0.1	0.1			0.0				
14	0.0	0.0	0.1	0.1	2.5	2.0	0.0	0.0	0.0	11.7	0.1					
15	0.1	0.0	1.2	2.6	0.8	0.0	3.2	0.0	0.0	17.6	0.0	0.1				
16	0.0	0.1	2.1	0.6	0.0	0.6	1.6	0.0	0.0	8.1	0.0	0.1				
17	0.0	2.9	0.9	0.0	38.8	0.0	38.9	3.3	0.1	2.7	0.2	0.1				
18	1.2	0.2	6.8	0.0	91.4	0.0	0.0	0.7	0.0	0.5	0.4	0.0				
19	0.0	0.1	2.7	0.0	0.1	0.0	0.1	1.8	0.0	5.0	0.0	0.0				
20	0.0	0.0	0.5		0.0	0.6	0.0	0.0	0.1	8.9	1.3	0.0				
21	0.0	0.3	0.2	0.0	7.0	62.2	0.1	0.1	1.8	0.0						
22	0.0	1.6	0.0	0.0	0.4	0.1	26.3	14.1	7.3	0.0	0.0	0.0				
23	0.0	0.6	0.1	0.1	0.6		42.2	14.5	0.1	0.0	0.0	0.0				
24	0.0	1.2		0.1	0.1		0.6	0.1	0.1	0.0	0.0	0.0				
25	0.0	1.7	0.7	0.0	0.0		0.9	0.1	11.2	0.0	0.3	0.0				
26	0.0	0.1		1.3		0.8	0.0	0.0	2.7	0.0	0.0	0.0				
27	0.0	0.0	0.0	4.8	0.1	17.0	0.0	0.0	31.6	0.0	0.0	0.0				
28		0.0	0.0	14.3	0.0	3.2	0.0	0.0	0.2	0.0	0.0	0.0				
29		0.0	0.1	0.1	0.1	0.0	0.8	0.0	46.6	0.0	1.2	0.0				
30			0.1		0.0	0.0	0.0	0.0	11.8	0.0	0.0	0.1				
31			0.1		0.1		0.7	0.1	0.0	0.0	0.0	0.1				
Total	1.5	8.8	43.4	27.6	196.7	147.7	167.6	130.5	324.9	58.0	3.7	0.7	1111.1			
Max	1.2	2.9	17.2	14.3	91.4	62.2	42.2	45.2	76.8	17.6	1.3	0.2	91.4			

River Basin : Red				At : Thai Binh				Year : 2001				(Unit : mm)				
Day	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.				
Total	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Max	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0