# LIST OF COLLECTED DATA

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## (1) Daily Rainfall

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	Gauging Station	Observation period
1,	HMAWBI	1954 - 1977
2.	TAIKKYI	1947 - 1977
3.	THARRAWADDY	1947 - 1977
4.	MINHLA	1959 - 1977
5.	OKPO	1977 - 1977
6.	GYOBINGAUK	1959 - 1977
7.	ZIGON	1959 - 1977
8.	PROME	1947 - 1977
9.	PAUKKAUNG	1966 - 1977
10.	SHWEDAUNG	1966 - 1977
11.	HENZADA	1947 - 1977

## (2) Daily Water table of Irrawaddy River

	Gauging Station	Observation Period
1.	PROME	1960 - 1977
2.	HENZADA	1960 - 1977
3.	SEIKTHA	1975
4.	KYANGIN	1975
5.	MYANAUNG	1975
6.	KANAUNG	1975

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	(3) Daily	Run-Off Discharge	
		Gauging Station	Observation Period
	1.	KYAUKPYINTHA	1970 - 1976
	2.	KAUNGLAUNGTINE	1971 - 1976
	3.	KWETMA	1972 - 1976
	4.	CHAUNGZAUK	1971 - 1976
	5.	BAUBIN	1970 - 1976
	6.	MAGUIBIN	1972 - 1976
	7.	TEME	1970 - 1976
	8.	YONBINDET	1971 - 1973
	9.	THAPANGAING	1972 - 1973
	10.	MYODAUNG	1973 - 1976
	11.	MAGWE	1973 - 1976
	12.	YATTHIT	1973 - 1976
	13.	KYIDAING	1971 - 1973
	_ <b>14</b> . <sup>°</sup>	KWINLAYGI	1971 - 1973
	(4) Rating	Curve	
	, v ~	Prome	
	(5) Cross Se	ection of Irrawaddy R	iver
	3	PROME	23/3/1966
			7/8/1970
			17/11/1970
4 -		HENZADA	13/2/1975
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# (6) Monthly Temperature

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Rainfall

Actual Sunshine Time

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Wind Velocity

Wind Direction

Humidity

# Evaporation

Station	Lucation			
otacion	(LN)	(LE)		
PROME	18°48'-	95° 13'		
HENZADA	17° 29'	95° 27'		
THARRAWADDY	17° 38'	95° 48 <sup>°</sup>		
,	17° 20'	96° 30'		
PEGU BASSEIN	16° 46'	94° 46'		
MAUBIN	16° 44'	95° 39'		
PYINMANA	· 19° 43'	96° 13'		
TOUNGOO	18° 55'	96° 28'		
MINGALADON	16° 54'	96° 11'		
RANGOON	16° 46'	96° 10'		
-	20° 10'	94° 53'		
MINBU	-	·		

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- (7) Engineering Geological Report on Thegaw Dam
- (8) Engineering Geological Report on Wagyi Dam
- (9) Engineering Geological Report on South Nawin Dam
- (10) Engineering Geological Map on South Nawin Dam (Scale 1 inch 800 feet, contour interval: 10 feet)
- (11) Geological Cross-Section of Alignment No.2 (South Nawin Dam Project)
- (12) Geological Cross-Section of Alignment No.2 (South Nawin Dam Project)
- (13) Geological Log of Drill Holes, South Nawin Dam
- (14) Soil Test Data (Sough Nawin Dam)
- (15) Seismic Zonation of Burma
- (16) Soil Laboratory Testing Equipment
- (17) Report to the Pyithu Hluttaw on The Financial, Economic and Social Conditions of The Socialist Republic of the Union of Burma For 1977-78

1977 Ministry of Planning and Finace

- (18) Notes on Agriculture in Surma Dated the 10th January 1978 Ministry of Agriculture and Forests
- (19) Land Revenue Rates in the Union of Burma
- (20) A Brief Description of the Fixation of Land Revenue Rates in Burma
- (21) Current Rates of Land Revenue

(22) Higher Production Paddy Project in Taikkyi Township, Rangoon Divsion and Project Plan 1977-78

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- (23) Actual performance of High Production Paddy Project in Taikkyi Township and Progress of Paddy Production in Taikkyi Township from 1974-75 to 1977-78
- (24) Crop Production in Taikkyi Township 1976-77 (Actual
- Performance) and 1977-78 (plan) and Double Cropping Acrage
- (25) Timber Production for the last 7 years nation wide and Project Area respectively
  - (26) Transportation and Shipment
  - (27) Road Network for Timber Industry in the Project Area
  - (28) Teak and Hardwoods Extraction
  - (29) List of Saw Mill in Ibaid Project Area
  - (30) List of Timber Ship in Ibaid Project Area
  - (31) Area of Forest Divisions
- (32) Area of the Reserved and Unclassed Forests
- (33) Growth and Increment of Teak and others of the respective Divsion
- (34) Annual Allowable Cut
  - (35) Stocking

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Data Source: 1 to 2, Meteorological Department

	< -	3 Irrigation Department
, -		4 to 6, Meteorological Department
. , `r	- ~ -	7 to 16, Irrigation Department
, Data	Source:	17 to 18, Agriculture Corporation
· ·		19 to 24, Land Records Department
		25 to 30, State Timber Corporation
	-	31 to 35, Forest Division

## Appendix

#### Page 1

#### North Nawin Irrigation Project

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1. Location

The Project is located in three township of Pegu Division, namely Prome, Paukkhaung, and Theogon.

2. Objective

: A water impounding dam is to be constructed across North Nawin Chaung near Sezongon Village in Prome Township. The Project will serve 96769 acres of land on which it is projected to cultivate 182269 acres of crops under irrigation.

3. Project

Description

The utilization of water resources of the North Nawin Chaung for irrigation purposes was first conceived by Government in 1953. In 1957 Energoproject was entertained by the Government to prepare a preliminary report for this project and again in 1963 the same firm was entrusted with the preparation of feasibility report and final designs of the Project. Feasibility report and final designs were submitted by the firm in 1967. Preliminary works were stated in 1967-68.

In 1970 Energoproject was again employed by the Government for giving construction guidance to the Irrigation Department in the Implementation of the Project.

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The Project provides for the construction of an earth dam to impound the stream flow and utilize it for year-round irrigation and also an irrigation and Drainage network will be constructed under the project.

Main features of the reservoir and irrigation system are:

- (1) Catchment Area ..... 228.6 sq. miles
- (2) Length of Dam ..... 5300 ft.
- (3) Height of Dam ..... 115 ft.
- (4) Maximum depth at ..... 103.5 ft. full reservoir
- (5) Top width of Dam ..... 20 ft.
- (6) Storage Capacity ..... 291000 acre ft.
- (7) Waterspread Area ..... 8800 acres
- (8) Length of Conduit ..... 414 ft.
- (9) Diameter of Conduit ... 8 ft.
- (10) Full Supply Discharge .. 810 ft<sup>3</sup>/sec.
- (11) Spillway Width ..... 210 ft.
- (12) Main Canal 3 Nos. 45 miles
- (13) Distributaries 123 Nos. 278 miles
- (14) Lined Canal ..... 120 miles
- (15) Syphons 103 Nos.
- (16) Falls 140 Nos.

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•	`		(17)	Canal Head	220	Nos.	×
		, <sup>,</sup>		Regulators			
			(18)	Bridges	279	Nos.	
			(19)	Outlets .	2224	Nos.	4
						,	

- 4. <u>Cost</u> : The total estimated cost of the North Nawin <u>Estimate</u> Irrigation Project is about K 250 Millions.
  5. Project : Implementation of the Project and Preliminary
  - <u>Construction</u> Works were started in 1967-68 and the Project <u>Period</u> is phased for completion 1981-82.

Source : Planning and Design Division, Irrigation Department, MAF.

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<u>Appendix</u>

## ITEM OF THE DATA COLLECTED FROM TOWNSHIPS

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No.	1	Population classified by ages and number of families
No.	2	Composition of estimated active labour forces engaged in various sectors
No.	3	Land Utilization
No.	4	Net sown area specified by irrigated and rainfed area
No.	5	Position of peasant families and land area occupied by them
No.	6	Irrigated area by means of irrigation
No.	7	Irrigated area by crops
No.	8	Production of crops
No.	9	Cropping pattern (including growth duration of each crop)
No. 1	.0	High yielding variety paddy specified by Foreign H.Y.V., local improved varieties and Local ordinary varieties
No. 1	1	Distribution of quality seeds of paddy, groundnut and jute specified by varieties, by Government Agencies and Co-operatives

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No. 12	Mechanization
	1) Number of tractors and power tiller for agriculture
	use owned by Government co-operatives and group of farmers
	2) Draught cattle and agricultural implements
No. 13	Utilization of fertilizer and chemicals by crops
No. 14	Procurement of paddy, pulses and jute by the State Enterprises
No. 15	Quota of paddy per acre
No. 16	Total amount of Advance Payment of Trade Corporation for paddy
No. 17	Agricultural Loans by Corporations (paddy, groundnut, sesamum. jute)
No. 18	Village Manager
No. 19	Expenditure on Rural Development Works such as land reclamation, road and bridges, health and education
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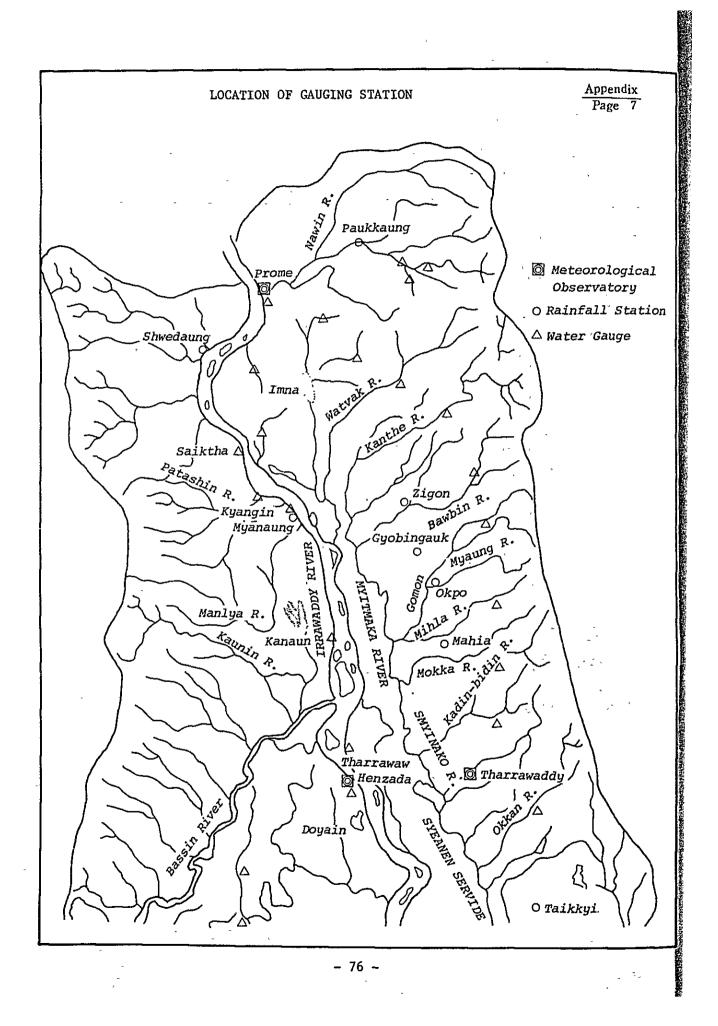
Appendix Page 6

LOCATION OF OBSERVATORY

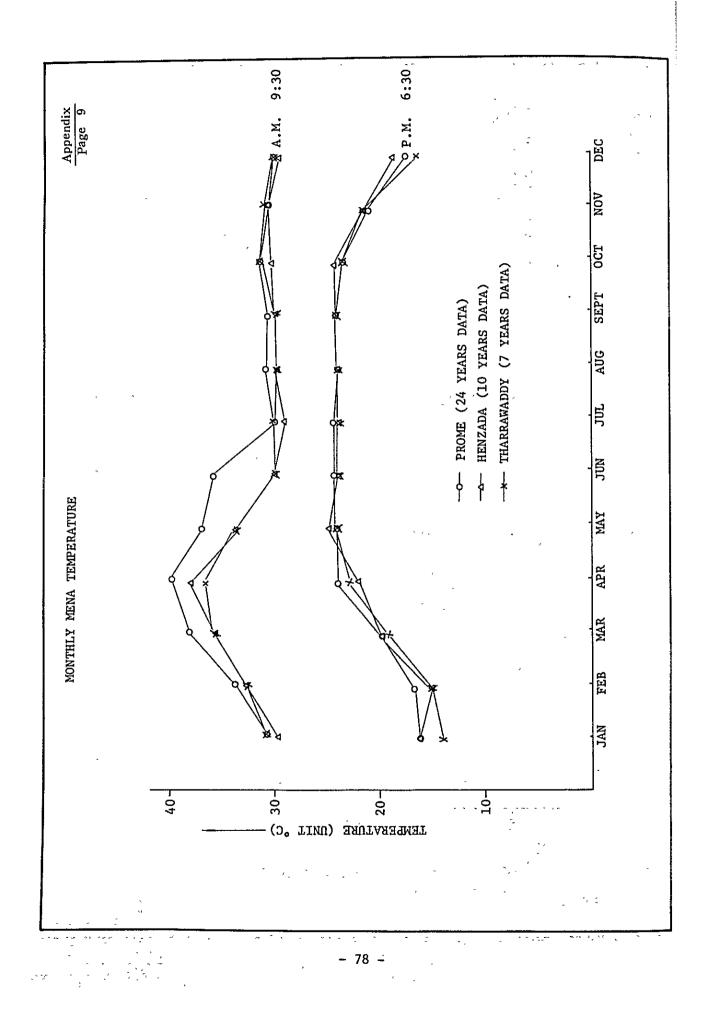
i a se a a a	STATION	LATITUDE (N)	LONGITUDE (E)
, <u>,</u>	Prome	18°48'	95° 13'
	Henzada	17°29'	95° 27'
	Tharrawaddy	17° 38'	95° 38'
	Pegu	17° 20'	96° 30'
	Bassein	16° 46'	94° 46'
	Maubin	16° 44'	95° 39'
-	Pyinmana	19°43'	96° 13'
1	Toungoo	18° 55'	96° 28'
· -	Mingaladon	16° 54'	96° 11'
	Rangoon	16° 46'	96° 10'
	Minbu	20° 10'	94° 53'
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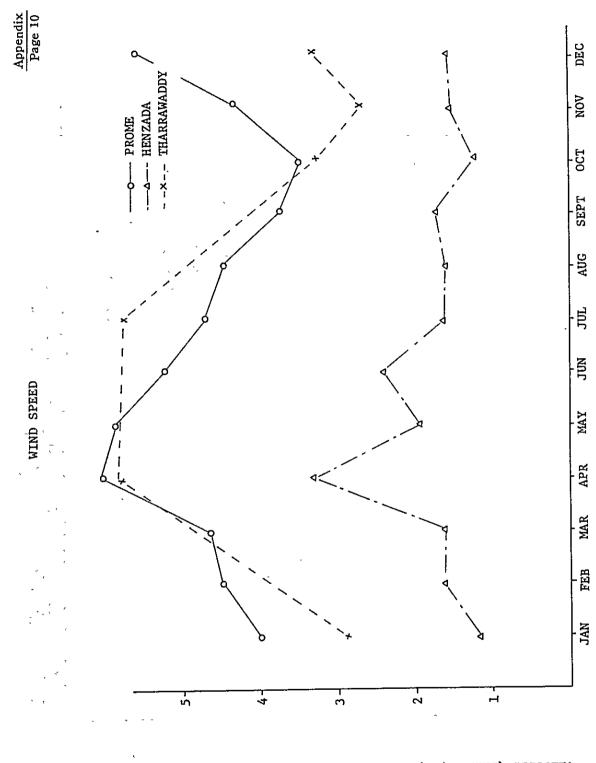
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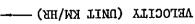
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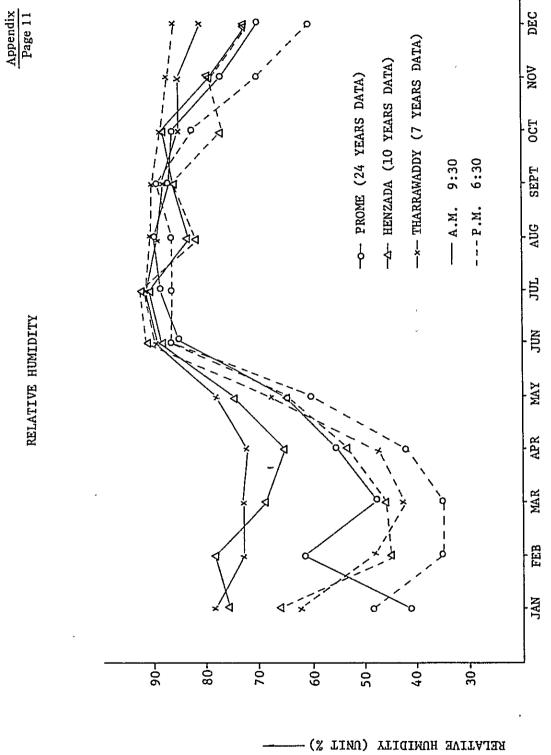




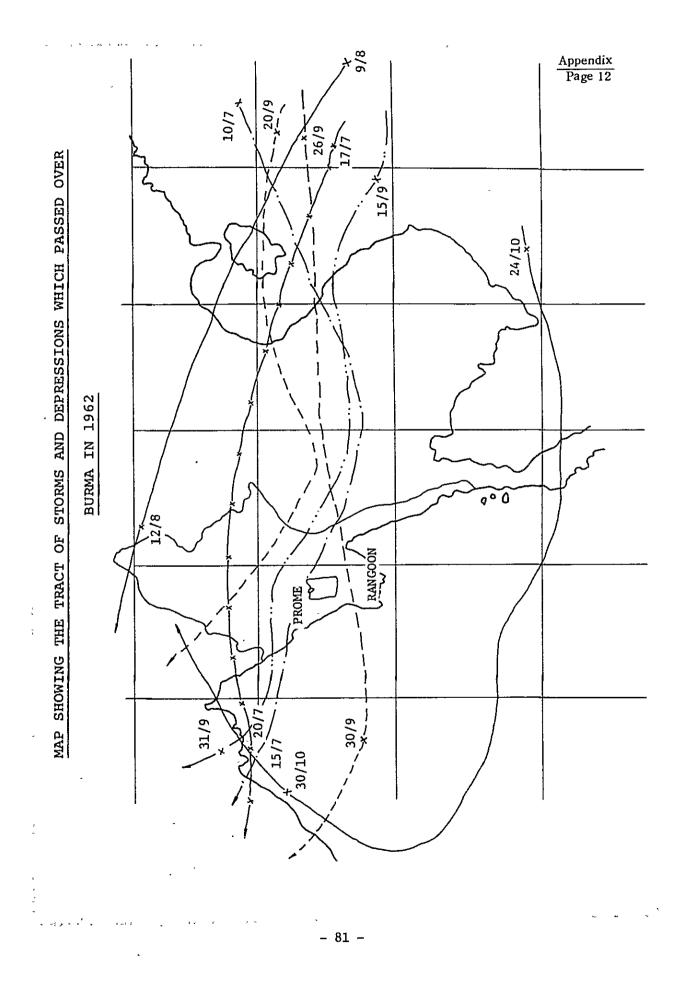


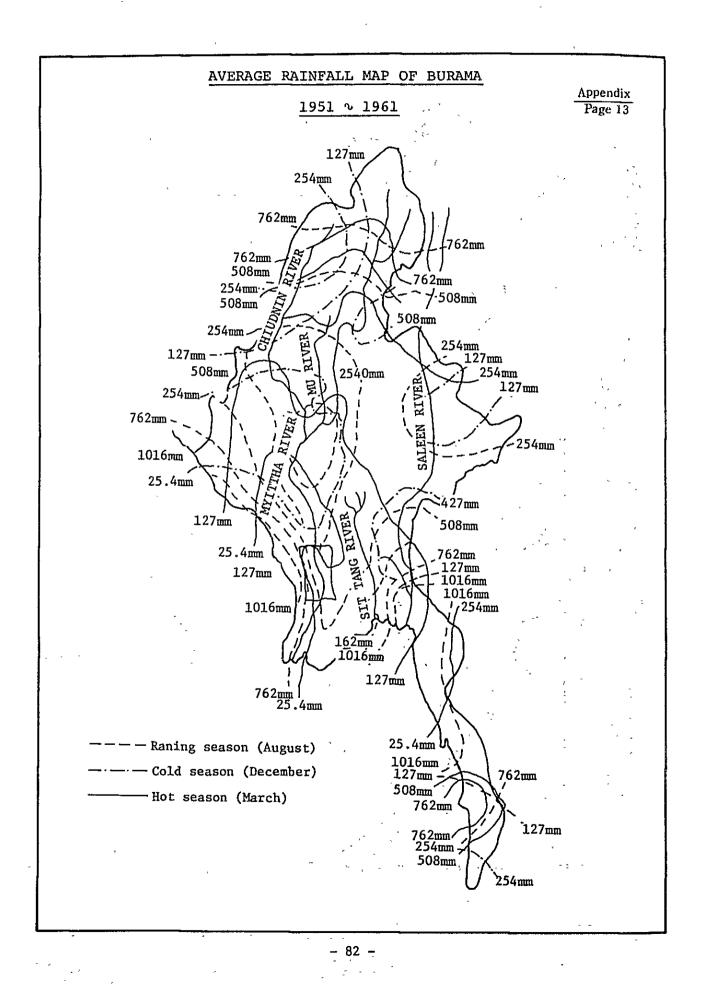


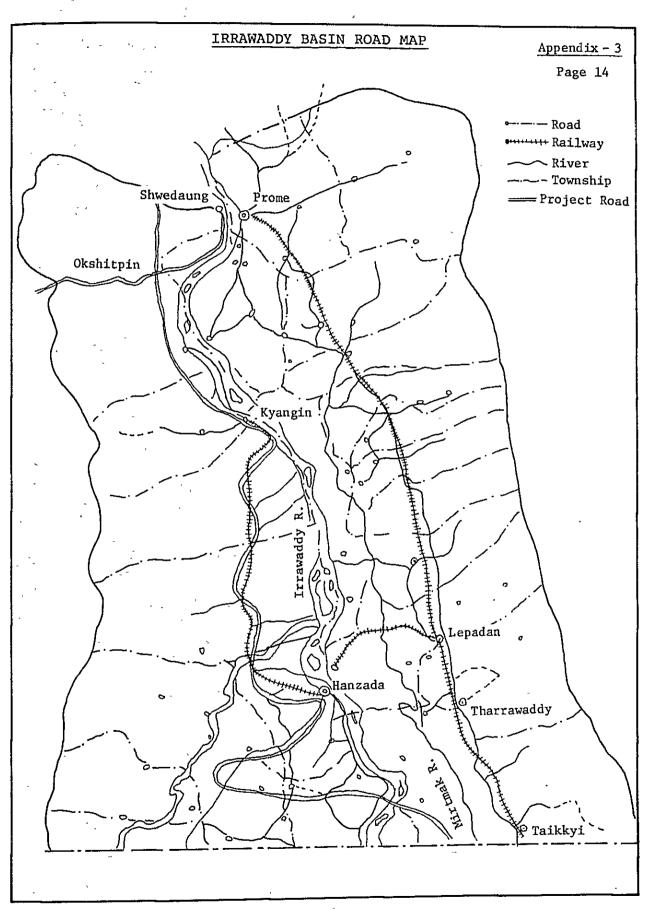




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#### , 42 WATER MEASURED IN THE FIELD SURVEY

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## (1978)

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•	Daka	Mar.	20th	16:00	6.9	~^ ·	7.6	31.0		ι
	River	Mar.	21st	07:30	5.3	-	7.5	27.9		
	Invegvi	Mar.	21st	09:00	7.8	· · ·		28.5	Kanzu V	illage
	Lake	È H	-	10:15	5.4	• *	8.1	27.5	Sai-Lay	Station
		11	ć	12:00	4.2	•	7.9	29.3	Inyegyi	Station
		11		14:00	8.2	^	8.5	32.7	Kanzu V	illage
	Duva Lake	Mar.	22nd	09:20	7.3	<u>-'</u> _́	8.4	27.5	- -	, _ _
	Ragwinpyin	Mar.	24 <u>t</u> h	11:10	. 5.4	•	7.4	30.9	-	
	River	- , •	• • •	с"		*	-	^	·	-
	Kanzu Village fish pond	Mar.	21st	14:30	6.0	-	7.1	33.6	x	
ŕ	• ,	:		 -	·		· ·	-		2
*		Mar.	24th	08:00	5.5	• • •	8.1	28.3	Г 2	
	near Rangoon	Mar.	24th	08:30	6.6	а ,	8.4	27.4		-

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