YEARBOOK 1984 NILE DELTA

DISCHARGE AND CHEMICAL COMPOSITION DRAINAGE WATER

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PROJECT TEAM

REPORT 13

DRAINAGE RESEARCH INSTITUTE, GIZA, EGYPT (DRI)
INSTITUTE FOR LAND AND WATER MANAGEMENT RESEARCH (ICW)
P.O. BOX 35, 6700 AA WAGENINGEN, The Netherlands (~~1968~~ 1984)

PREFACE

The 'Reuse of Drainage Water Project' is a joint activity of the technical agencies:

Drainage Research Institute (DRI), Giza/Cairo-Egypt and
Institute for Land and Water Management Research (ICW), Wageningen, the Netherlands.

The Project is funded by the Ministry of Irrigation of Egypt and by the Ministry of Foreign Affairs of the Netherlands in the framework of the joint programme of Technical Cooperation between Egypt and the Netherlands.

The Advisory Panel for Land Drainage in Egypt acts as steering committee.

The results of studies, carried out in the 'Reuse of Drainage Water Project'will be presented in preliminary reports and in a final report. As such the contents of preliminary reports can vary strongly, from a simple presentation of data to a discussion of research results with tentative conclusions.

Al opinions, conclusions and recommendations in these reports are those of the cooperating Institutes, and not of the Ministry of Irrigation of Egypt or the Ministry of Foreign Affairs of the Netherlands.

Reuse Project team

Project Directors	:	Dr. Mohamed Mahmoud Gasser (DRI)
		Dr. P.E. Rijtema (ICW)
Senior Staff	:	Dr. Samia Mahmoud Saad Eddin El Guindy
		Dr. Dia Eddin Ahmed Hussein El Quesi
Resident Team, ICW	:	Ir. D. Boels
		Ir. M. Maaskant
		Ir. H.J.M. Bijnsdorp
		Ir. M.F.R. Smit
Staff DRI	:	Dr. Mohamed Ahmed Abdel Khalik
		Dr. Shadin Abdel Gawad
		Eng. Ahmed Mohamed Morsi
		Eng. Adel Abdel Rashid Soleiman
		Eng. Mohamed Ezzet Hassan
		Eng. Mohamed Ibrahim Lashin
		Eng. Magdi Abdel Nabbi
		Eng. Nabil Fathy Kandil
		Eng. Mohamed Saad Abbas
		Eng. Mervet Mahmoud Mustafa El Guindy
		Eng. Omayma Saad Shahin
		Eng. Sumeya Mahmoed Abbas
Laboratory staff	:	Eng. Laila Mahmoud Hassan El Sissy
		Eng. Attiat Abou Bakr
		Eng. Gamal Abdel Nasr Kamal
		Eng. Samira Said Mahrous
		Eng. Nasra Abdallah

C O N T E N T S

1. I N T R O D U C T I O N

The growing population of Egypt requires an increase in the production of food and fibres. It also requires new land to substitute land lost due to newly built housings and roads.

Four strategies have been developed to meet the requirements. Among others, reuse of drainage water is a strategy to provide additional irrigation water for areas that will be reclaimed. In the five-year plan 1982-1987 for a total area of about 640,000 feddan (1 feddan = 0.42 ha) reclamation plans will be prepared, and a start will be made with the implementation.

The Reuse of Drainage Water Project aims to provide basic data, that can be used in the above mentioned planning. A measurement network has been established to provide these data. At drainage catchment level, discharges and drainage water quality are determined. Discharges from drainage pumping stations are provided by the Ministry of Irrigation. Calibrations of these pumping stations are part of the Reuse Project activities and provide data to calculate the discharges more accurately.

Discharges from areas drained by gravity are measured by appropriate methods, depending on a number of constraints. Water samples at the locations, shown in fig. 1, 2 and 3 are regularly taken. The chemical composition is determined and water quality parameters are calculated. During 1984 on many open drainage locations salinity and level recorders have been installed. At pump stations during this year a modest start has been made with salinity observations, three times daily, by the pump station engineers.

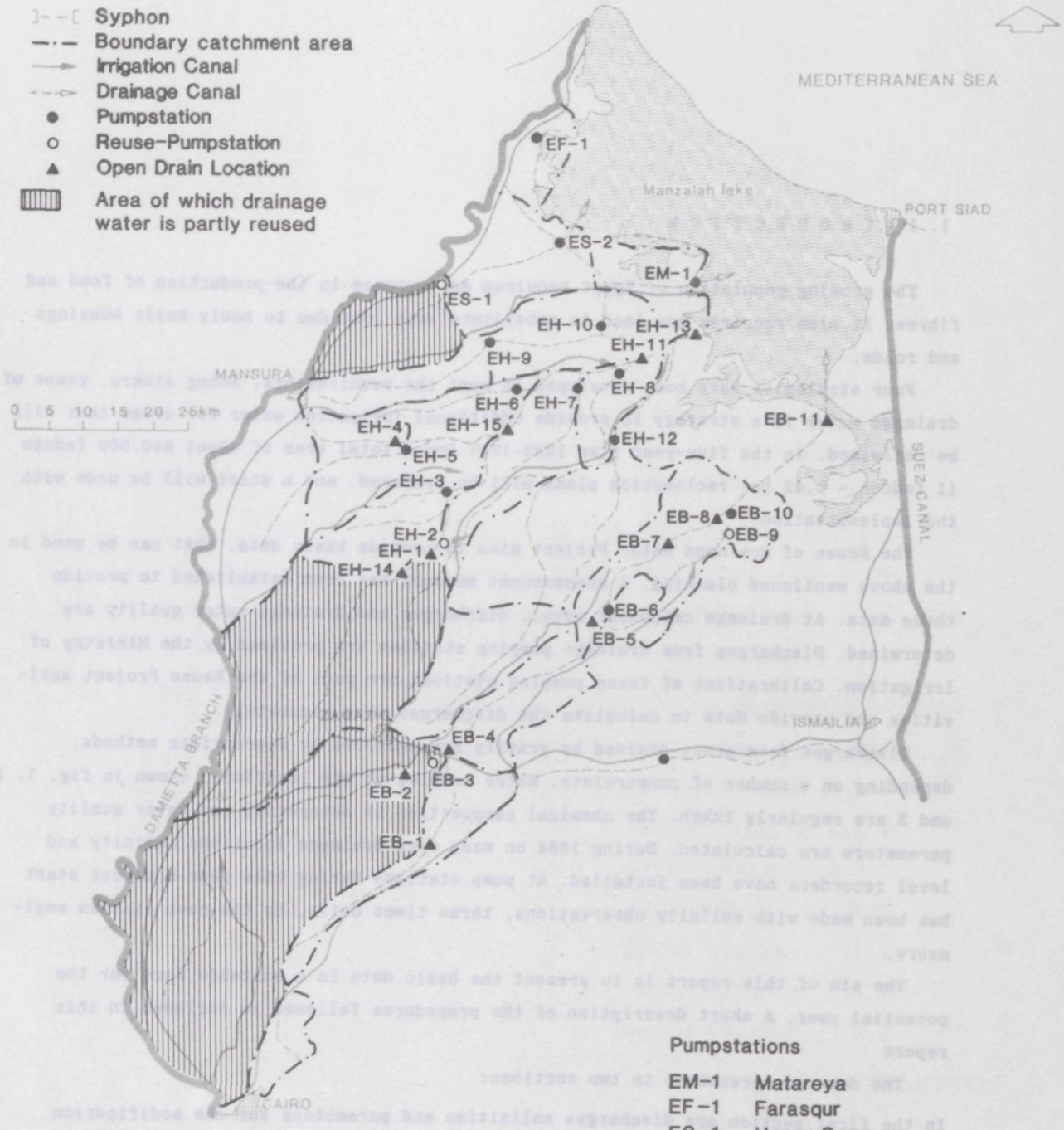
The aim of this report is to present the basic data in a suitable form for the potential user. A short description of the procedures followed is included in this report

The data are presented in two sections:

In the first section are discharges salinities and parameters for the sodification hazards of irrigation with these waters.
In the second section the monthly average chemical composition is presented. Application of these data for different purposes is beyond the scope of this report.

The cooperating institutes do not accept any responsibility for conclusions drawn on the basis of the data presented nor for the results of application of these data.

The year 1984 can be considered as a transition phase between the short term measurement programme initiated by DRI under the Drainage Panel Project and the long term programme initiated by DRI in the framework of the Reuse of Drainage Water Project. On the one hand less attention has been paid during 1984 to the routine measurement programme resulting in a lower frequency of observations. On the other hand emphasis has been laid on the installation of field equipment resulting in a continuous data collection for some measurement points during part of the observation year.



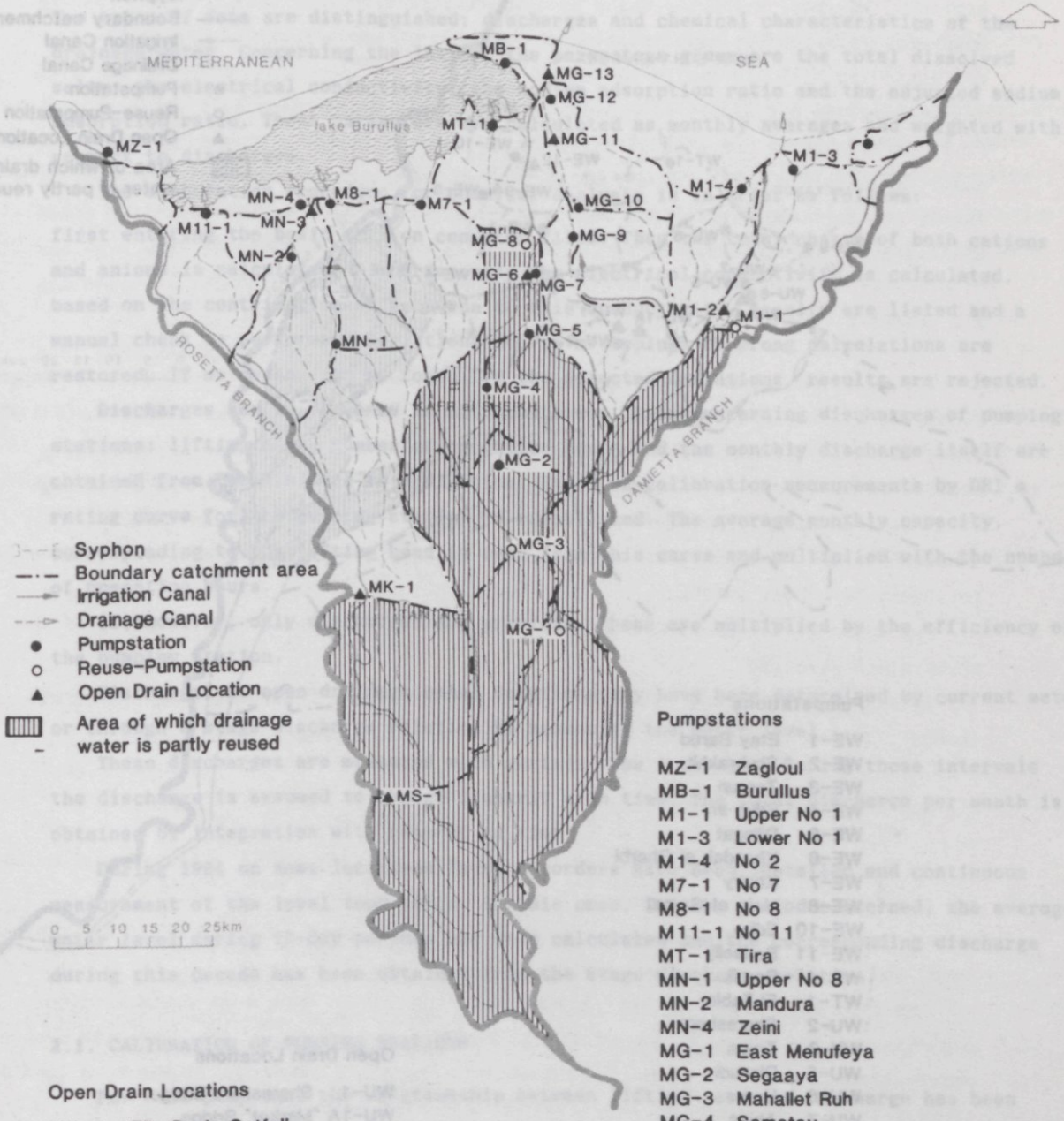
Pumpstations

EM-1	Matareya
EF-1	Farasqur
ES-1	Upper Serw
ES-2	Lower Serw
EH-2	Hanut
EH-3	Sadaqa
EH-5	Nizam
EH-6	Bani Ebeid
EH-7	Add. Kassaby
EH-8	Main Kassaby
EH-9	Geneena
EH-10	Erad
EH-12	Saft
EB-3	Wadi
EB-6	Saada
EB-9	B. Baqar irr.
EB-10	B. Baqar

Open Drain Locations

EH-1	Bridge Saft (abandoned)
EH-4	Nizam Bridge
EH-11	B. Hadus Bridge
EH-13	B. Hadus Outfall
EH-14	Kemeeza Bridge
EH-15	Iddowwar Bridge
EB-1	Bilbeis Bridge
EB-2	Bridge Qalyubeya (abandoned)
EB-4	Wadi Railway Bridge
EB-5	Saada Bridge
EB-7	Saud Bridge
EB-8	B.Baqar Bridge
EB-11	B.Baqar Outfall

Fig. 1. General view of the network in the Eastern Delta



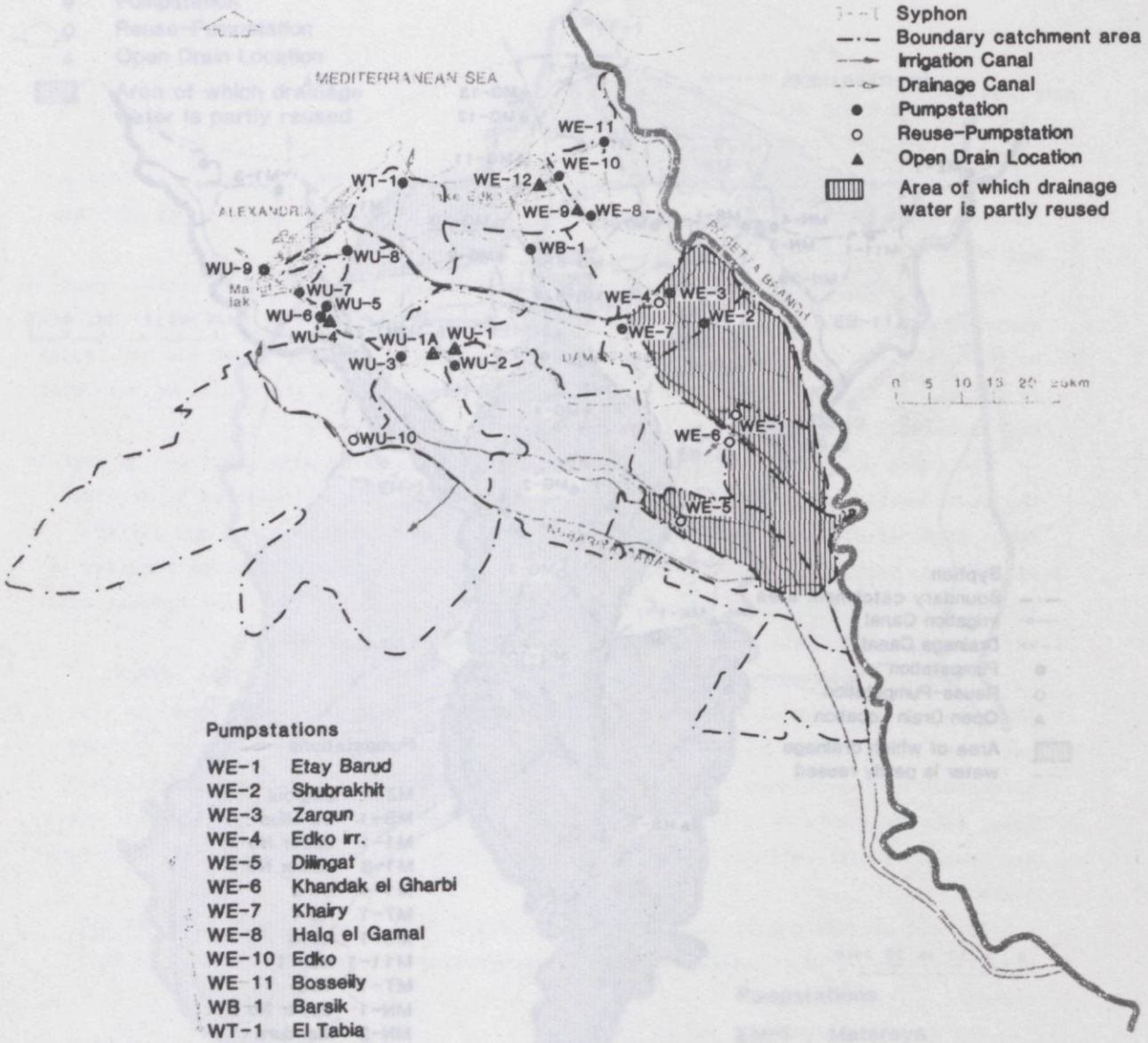
Pumpstations

MZ-1	Zagloul
MB-1	Burullus
M1-1	Upper No 1
M1-3	Lower No 1
M1-4	No 2
M7-1	No 7
M8-1	No 8
M11-1	No 11
MT-1	Tira
MN-1	Upper No 8
MN-2	Mandura
MN-4	Zeini
MG-1	East Menufeya
MG-2	Segaaya
MG-3	Mahallet Ruh
MG-4	Samatay
MG-5	No 5
MG-7	No 6
MG-8	Hamul
MG-9	No 4
MG-10	No 3
MG-12	Hafir Shehab Eddin

Open Drain Locations

MK-1	Tila Drain Outfall
MS-1	Sabal Drain Outfall
M1-2	Bridge Drain 1
MN-3	Nashart Drain Outfall
MG-6	Gharbia Bridge
MG-11	Gharbia Kubri 7
MG-13	Gharbia Outfall

Fig. 2. General view of the network in the Middle Delta



Pumpstations

WE-1	Etay Barud
WE-2	Shubrakhit
WE-3	Zarqun
WE-4	Edko irr.
WE-5	Dilingat
WE-6	Khandak el Gharbi
WE-7	Khairy
WE-8	Halq el Gamal
WE-10	Edko
WE 11	Bosseily
WB 1	Barsik
WT-1	El Tabia
WU-2	Shereshera
WU-3	Truga
WU-5	Dishudi
WU-6	Hares
WU-7	Abies
WU-8	El Qalaa
WU-9	Max
WU-10	Mariut

Open Drain Locations

WU-1	Shereshera Bridge
WU-1A	"Market" Bridge
WU-4	Dishudi Bridge
WE-9	Halq el Gamal Bridge
WE-12	Edko Outfall

Fig. 3. General view of the network in the Western Delta

2. DATA ELABORATION

In this chapter an overview will be presented of the procedure of data elaboration. Two types of data are distinguished; discharges and chemical characteristics of the drainage water. Concerning the latter, the parameters given are the total dissolved salts, the electrical conductivity, the sodium adsorption ratio and the adjusted sodium adsorption ratio. These parameters are calculated as monthly averages and weighted with respect to discharges.

The elaboration procedure for chemical analysis is in brief as follows:

first entering the basic data on computer files. Then the total charge of both cations and anions is calculated. Simultaneously the electrical conductivity is calculated, based on the contribution of each ion to this conductivity. Results are listed and a manual check is performed. Deviations due to mistypings or wrong calculations are restored. If no reason can be found for the detected deviations, results are rejected.

Discharges can be obtained in different ways. Data concerning discharges of pumping stations: lifting head, number of operation hours and the monthly discharge itself are obtained from the Ministry of Irrigation. Based on calibration measurements by DRI a rating curve for the pumping station is established. The average monthly capacity, corresponding to the lifting head is read from this curve and multiplied with the number of operation hours.

If, however, only discharges are provided, these are multiplied by the efficiency of the pumping station.

Discharges at open drainage canal locations may have been determined by current meter or through a stage discharge relation by measuring the water level.

These discharges are measured with certain time intervals. During these intervals the discharge is assumed to change linearly with time. The total discharge per month is obtained by integration with respect to time.

During 1984 on some locations level recorders have been installed and continuous measurement of the level took place. In this case, for the period concerned, the average water level during 10-day periods has been calculated and the corresponding discharge during this decade has been obtained from the stage discharge relation.

2.1. CALIBRATION OF PUMPING STATIONS

For each pump unit the relationship between lifting head and discharge has been determined. During the measurement a more or less steady state situation does exist. The water levels at the suction and delivery side are measured just before and after the discharge measurements.

Discharges are determined, using the current meter, for which a relation is available between the flow velocity and the rotation rate of the meter. Regularly this relation is recalibrated by the Hydraulic Research Institute at the Delta Barrage.

The cross-section at the suction side is subdivided into a grid with meshes of $0.5 * 0.5\ m^2$. The velocity in each node is measured during 30 seconds. Multiplying this velocity with the representative area, gives its contribution to the total discharge. In general at least three calibrations per pump unit are performed at lifting heads more or less representing the full range, at which the station is operating.

For the production of this yearbook all the calibration results of the pump units of each pumping station are combined and the best fitting curve is matched. For some pump stations, however, where the units have distinctly different design capacities the discharge relation has been established for each (group of) unit(s) separately, corresponding with the design capacities.

. The average efficiency of a pumping station can be obtained by dividing its capacity, pertaining to the average lifting head, by the guarantee capacity. The guarantee capacity is used by the Ministry of Irrigation to calculate the total discharge from the number of operation hours. This capacity is more of less the capacity of new pumps, operating at average expected lifting heads.

2.2. STAGE DISCHARGE RELATIONS

The relationship between discharge and water level, the so called stage discharge relation, can only exist under certain conditions. The first condition is steady state flow, where the slope of the energy line is identical to the slope of the bottom. If changes in discharge occur only very slowly, no significant deviations from the steady state conditions will occur.

A second condition is that the shape of the cross-section is regular and the hydraulic roughness is almost constant.

The water level should not be affected by changing conditions downstream of the observation location.

If all conditions are fulfilled the discharge is a function of the water depth (LAMBIE, 1978):

$$Q = a.H^b \quad m^3.s^{-1}$$

In some cases H is not the real water depth, but some height above a level at which the discharge is zero. The constants a and b are derived from the calibration measurements. If not explicitely measured, the water level at which the discharge is zero, can be determined by curve-fitting.

The squared correlation coefficient should be higher than some minimum value, depending on the number of observations. A value of 0.95 is required when the number of observation is less than 5 and 0.90 when this number is less than 10 but more than 5 (ROEST, 1983). For practical applications this value must be higher than 0.5.

If no satisfactory squared correlation coefficient has been obtained, either backwater effects or non-steady state conditions have been met.

The discharge at a certain date can now be determined by measuring the water level and reading the pertaining discharge from the stage discharge curve.

2.3.DATA CHECKING CHEMICAL ANALYSIS

At the DRI-laboratory the concentration of Ca, Mg, Na, K, CO_3, HCO_3 and Cl has been determined. From the difference in total charge of the cations and the anions, the concentration of SO_4, has been calculated. Also the EC and pH is measured.

Data checking includes first the calculation of the total charge of the anions and the cations. If typing errors during data entry occur, the sum of the charges is not zero.

A second check is obtained by calculating the electrical conductivity and comparing with the measured one.

Basis for this calculation is the assumption, that the EC of a solution, containing several different ions, is the sum of the contributions of the single ions. For the latter empirical relationships have been developed (ROEST, 1983). If the difference between calculated and measured EC is more than 10%, an error may be assumed and the original data must be compared with the data entered. In case of deviations the entered data are restored, otherwise this set of data has been rejected for further elaboration.

2.4. DATA PRESENTATION

For the pumping stations the discharge provided by the Ministry of Irrigation in million cubic meter per month has been included in the data presentation. The number of operation hours and average lifting head per month have been obtained.

Rating curves are available from calibration measurements.

To distinguish the different situations, a code is used to indicate the particular situation.

In Table 1 the codes and the meaning of code has been listed.

Table 1. Codes and their meaning

Code	Description
11	- Pump station; discharge known in hours of operation; calibration; curve established
12	- Pump station; discharge not known in hours; calibration curve established
13	- Pump station; no calibration curve
21	- Open drain; Hm measured; linear relation between discharge and Hm
22	- Open drain; Hm measured; power curve relation between water depth and discharge
23	- Open drain; float discharge measured; no good calibration relation available
24	- open drain or pump station; no discharge known or measured

For each location this code has been presented in the header, together with the name and code name of the location, the year and the stage discharge relation or rating curve. The square of the correlation coefficient is mentioned. The value of this item has been set to zero, in cases where no rating curve is available and in case the average capacity is used.

The total discharge per year is calculated only in those situation that data of all months are available.

The same holds for the average water quality parameters.

The discharges at open drainage canal locations have been calculated on a monthly basis. For the periods during which not yet continuous records of levels have been obtained, it has been assumed that the discharge rate in between two succeeding measurement dates changes linearly, with time. The course of the discharge rate is described by a polygon. The discharge per month has been obtained by integrating this polygon with respect to time, between the time boundaries, belonging to that particular month (see Fig. 4).

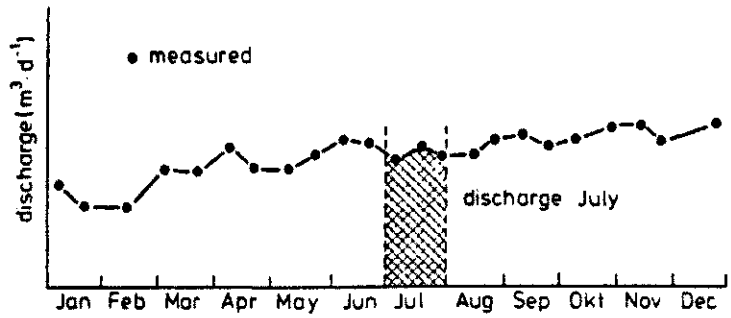


Fig. 4. Schematic presentation, determination discharge per month

The average water quality per month is obtained in a similar way. In this case the concentration of each ion has been multiplied by the discharge rate and with the ionic load thus obtained, a polygon has been constructed. Again an integration per month has been done and the result has been divided by the monthly discharge. With the average composition of the drainage water obtained the water quality parameters have been calculated.

The salinity, expressed in parts per million (ppm) has been calculated by multiplying the concentration of each ion (in meq.liter^{-1}) by its atomic weight, divided by its charge, and adding the results.

The cation composition of irrigation water determines its potential for sodium hazards for which the sodium adsorption ratio is a parameter.
This parameter has been defined as:

$$SAR = \frac{[Na]}{[Ca] + [Mg]/2} \qquad (mmol^{\frac{1}{2}}l^{\frac{1}{2}})$$

In general four categories are used with limits 8, 12 and 18, where irrigation water having SAR > 18 is in general unsuitable for irrigation exept at low salinity (ppm < 750) and using amendments.

A second parameter to classify the sodium hazard is the adjusted SAR. It has been defined as:

adj.SAR = $SAR(9.4-pH_c)$ $(mmol^{\frac{1}{2}}l^{\frac{1}{2}})$

where: $pH_c = pK'2-pK'c) + p(Ca+Mg) + pALK$

where p(Ca+Mg) and pALK are the negative value of the logarithm of the molar concentration of (Ca+Mg) and equivalent concentration of titratable base (CO_3+HCO_3) respectively and pK'2 and pK'c are the negative value of the logarithms of the second dissociation constant of H_2CO_3 and of the solubility product of $CaCO_3$, respectively, both corrected for ionic strenght. At pH_c values less than 8.4 the soluable calcium tends to precipiate,while at values greater than 8.4 there is a tendency to dissolve lime (EL GUINDY, 1979).

Values of adj. SAR less than 6 do not cause permeability problems when irrigation water having that value is used. Problems increase when the value increases from 6 to 16 where values above 16 cause severe permeability problems.

Salinization hazards are classified by the total dissolved salt parameter, but are related to both drainage conditions and crop sensitivity. In general no problems have to be expected on poorly drained soils when the TDS is less than 750 ppm and when a normal irrigation is practiced.

3. DATA ON DISCHARGE AND WATER QUALITY 1984

3.1. DISCHARGE, SALINITY AND SODIUM HAZARD

3.1.1. Eastern Delta

LOCATION : EB01 BILBEIS BRIDGE YEAR : 1984 CODE : 21
Q = 53.330 - 10.200* HM ; R2 = [0.690]

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	34.91	1.76	1105.	4.75	11.21
2	-	33.34	1.28	815.	3.92	8.71
3	-	34.96	0.98	654.	2.83	6.25
4	-	33.27	1.19	857.	2.77	6.51
5	-	35.19	1.20	842.	3.48	7.88
6	-	34.86	-	-	-	-
7	-	36.70	1.17	859.	3.22	7.80
8	-	38.18	1.15	880.	3.96	9.26
9	-	35.12	1.23	871.	3.36	8.34
10	-	34.67	1.33	1002.	3.44	8.84
11	-	34.06	1.42	1029.	3.90	8.13
12	-	35.20	1.16	886.	2.50	5.75
1984	-	420.46	-	-	-	-

LOCATION : EB02 GALYUBEYA BRIDGE YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	1.39	928.	4.14	9.74
2	-	-	0.96	652.	2.82	6.03
3	-	-	0.79	531.	1.71	3.62
4	-	-	0.97	678.	2.41	5.12
5	-	-	0.88	590.	2.71	5.49
6	-	-	-	-	-	-
7	-	-	-	-	-	-
8	-	-	1.02	762.	2.66	6.09
9	-	-	0.96	681.	2.14	5.08
10	-	-	0.97	719.	2.05	5.06
11	-	-	1.04	727.	2.55	4.87
12	-	-	0.87	640.	2.36	4.74
1984	-	-	-	-	-	-

LOCATION : EB03 WADI PS YEAR : 1984 CODE : 11
Q = 7.632 - (1.140) * H ; QCAP = 4.645 HAV = 2.620

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	27.30	23.61	1.23	844.	3.19	7.49
2	10.82	8.02	1.57	1122.	3.41	8.86
3	58.49	43.30	0.65	445.	1.80	3.61
4	45.03	31.71	0.99	694.	2.32	5.09
5	47.86	34.83	1.19	806.	3.28	7.06
6	59.80	43.11	-	-	-	-
7	62.59	45.07	1.05	728.	2.79	6.22
8	52.66	40.28	-	-	-	-
9	50.91	37.64	1.04	726.	2.22	5.41
10	46.00	36.22	1.13	806.	2.34	5.95
11	41.92	33.38	1.04	736.	2.79	5.51
12	20.21	18.53	1.20	932.	3.50	8.13
1984	523.59	395.70	-	-	-	-

LOCATION : EB04 WADI RAILWAY BRIDGE YEAR : 1984 CODE : 21
Q = 152.220 - 20.680* HM ; R2 = [0.760]

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	65.73	1.75	1105.	5.40	12.70
2	-	-	-	-	-	-
3	-	47.39	1.10	730.	2.56	5.89
4	-	49.57	1.11	795.	3.05	6.94
5	-	58.13	1.10	761.	3.13	6.96
6	-	48.91	-	-	-	-
7	-	54.46	1.15	808.	2.64	6.50
8	-	74.67	1.02	698.	2.47	5.83
9	-	75.03	1.02	724.	2.73	6.51
10	-	62.36	1.15	874.	3.13	7.63
11	-	61.31	1.35	920.	3.40	6.67
12	-	84.06	1.16	772.	2.73	5.93
1984	-	-	-	-	-	-

LOCATION : EB05 SAADA BRIDGE YEAR : 1984 CODE : 21
Q = 132.130 - 19.460* HM ; R2 = [0.850]

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	79.17	1.39	930.	3.78	9.03
2	-	70.74	0.98	701.	2.75	6.24
3	-	64.96	0.84	574.	2.29	4.90
4	-	67.10	0.98	686.	2.42	5.24
5	-	74.50	1.20	807.	4.07	8.76
6	-	72.67	-	-	-	-
7	-	80.86	1.01	677.	2.22	5.17
8	-	96.22	1.09	731.	3.35	7.36
9	-	85.29	1.73	1269.	9.51	20.89
10	-	87.02	1.10	824.	2.91	7.21
11	-	81.36	1.13	820.	3.06	6.37
12	-	100.45	1.00	770.	3.14	6.96
1984	-	960.34	-	-	-	-

LOCATION : EB06 SAADA PS YEAR : 1984 CODE : 11
Q = 0.735 - (0.000) * H ; QCAP = 0.735 HAV = 0.000

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	1.94	1.56	1.78	1150.	5.23	12.70
2	1.16	1.16	1.29	846.	3.95	9.00
3	1.72	1.37	0.84	536.	2.47	4.90
4	2.35	1.69	1.03	697.	2.53	5.55
5	2.59	2.13	1.05	693.	3.26	6.95
6	3.15	2.49	-	-	-	-
7	3.22	2.74	0.98	632.	3.70	7.52
8	3.77	3.05	0.98	646.	2.90	6.12
9	2.97	2.42	1.12	771.	2.77	6.69
10	2.97	2.42	1.19	852.	2.66	6.73
11	2.58	2.04	1.26	881.	2.84	5.64
12	3.23	2.55	0.96	692.	2.51	5.13
1984	31.65	25.63	-	-	-	-

LOCATION : EB07 SAUD BRIDGE YEAR : 1984 CODE : 21
Q = 69.690 - 18.680* HM ; R2 = [0.640]

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	88.67	1.48	988.	4.22	10.03
2	-	86.48	1.04	743.	3.28	7.06
3	-	75.11	0.95	639.	1.99	4.33
4	-	75.08	1.06	751.	2.61	5.87
5	-	82.06	1.04	721.	3.14	6.85
6	-	76.10	-	-	-	-
7	-	81.17	0.81	542.	2.32	4.74
8	-	93.94	0.97	695.	3.08	6.88
9	-	85.32	1.02	721.	2.99	7.08
10	-	90.07	1.09	854.	2.91	7.15
11	-	86.34	1.18	834.	3.09	5.84
12	-	102.99	1.02	727.	2.70	5.24
1984	-	1023.34	-	-	-	-

LOCATION : EB08 BAHR BAGAR BRIDGE YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	1.51	1015.	3.80	9.25
2	-	-	1.07	764.	3.01	6.76
3	-	-	0.94	615.	2.53	5.42
4	-	-	1.11	773.	3.18	6.95
5	-	-	1.09	742.	3.31	7.12
6	-	-	-	-	-	-
7	-	-	1.10	742.	2.89	6.73
8	-	-	1.04	699.	2.94	6.52
9	-	-	1.02	728.	2.91	6.95
10	-	-	1.11	820.	2.77	6.92
11	-	-	1.18	832.	3.24	6.23
12	-	-	1.02	754.	2.62	5.49
1984	-	-	-	-	-	-

LOCATION : EB09 BAHR BAGAR IRR PS YEAR : 1984 CODE : 11
Q = 0.364 - (0.000) * H ; QCAP = 0.364 HAV = -1.000

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	8.25	3.60	1.09	742.	2.98	6.75
2	5.43	2.37	1.12	747.	2.53	5.79
3	7.20	3.14	0.79	517.	1.63	3.50
4	8.62	3.77	0.68	452	1.63	3.04
5	8.05	3.52	0.96	652.	3.68	7.32
6	7.70	3.36	-	-	-	-
7	9.48	4.14	1.09	725.	2.96	6.95
8	10.25	4.48	0.92	619.	2.63	5.71
9	8.79	3.84	0.98	688.	2.67	6.31
10	9.05	3.94	0.97	693.	2.35	5.60
11	9.37	4.09	0.73	477.	1.84	2.90
12	9.12	3.98	0.91	630.	2.19	4.37
1984	101.31	44.24	-	-	-	-

LOCATION : EB10 BAHR BAGAR PS YEAR : 1984 CODE : 11
Q = 6.112 - (0.000) * H ; QCAP = 6.112 HAV = 1.670

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	23.08	23.08	5.76	3910.	14.55	37.50
2	8.03	8.03	9.59	6265.	18.88	52.27
3	13.11	13.11	5.24	3214.	11.59	29.31
4	16.94	16.94	4.65	2937.	9.81	22.82
5	13.75	13.75	5.04	3275.	11.06	29.17
6	10.91	10.91	-	-	-	-
7	12.61	12.61	6.90	4200.	12.96	34.99
8	19.16	19.16	5.18	3103.	10.73	26.78
9	17.86	17.87	6.53	4020.	12.57	33.90
10	17.73	17.73	6.22	4243.	11.88	32.98
11	14.76	14.76	6.44	4668.	13.80	32.37
12	23.72	23.70	4.87	3538.	12.42	30.15
1984	191.66	191.67	-	-	-	-

LOCATION : EB11 BAHR BAGAR OUTFALL YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	2.65	1603.	8.31	19.44
2	-	-	2.37	1547.	5.52	13.35
3	-	-	1.91	1198.	4.37	10.45
4	-	-	1.92	1252.	5.08	11.69
5	-	-	1.57	1020.	5.32	11.40
6	-	-	-	-	-	-
7	-	-	-	-	-	-
8	-	-	-	-	-	-
9	-	-	1.94	1215.	4.39	11.18
10	-	-	1.84	1270.	4.43	11.50
11	-	-	2.24	1596.	6.42	13.88
12	-	-	1.45	1099.	4.55	10.56
1984	-	-	-	-	-	-

LOCATION : EB12 BATIKH CANAL YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	0.91	617.	2.59	5.66
2	-	-	0.62	435.	1.73	3.44
3	-	-	0.48	307.	1.29	2.25
4	-	-	0.49	328.	1.22	2.12
5	-	-	-	-	-	-
6	-	-	-	-	-	-
7	-	-	0.81	495.	2.89	5.41
8	-	-	0.78	492.	2.24	4.48
9	-	-	0.82	508.	1.14	2.50
10	-	-	0.74	532.	1.88	4.20
11	-	-	0.61	397.	1.34	2.06
12	-	-	0.73	498.	1.70	3.03
1984	-	-	-	-	-	-

LOCATION : EB4A BILBEIS SYPHON YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	1.57	1026.	4.54	10.93
2	-	-	1.06	725.	4.14	8.66
3	-	-	1.05	738.	2.96	6.74
4	-	-	1.17	846.	3.26	7.46
5	-	-	1.11	776.	3.72	8.12
6	-	-	-	-	-	-
7	-	-	1.06	749.	2.65	6.27
8	-	-	1.04	731.	2.86	6.57
9	-	-	1.05	754.	2.81	6.87
10	-	-	1.18	875.	2.68	6.87
11	-	-	1.23	885.	3.37	7.10
12	-	-	1.02	767.	2.70	5.86
1984	-	-	-	-	-	-

LOCATION : EB4B GALYUBEA SYPHON YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	1.46	985.	4.50	10.64
2	-	-	1.09	722.	2.70	6.04
3	-	-	1.02	688.	3.56	7.52
4	-	-	1.17	807.	2.69	5.57
5	-	-	1.07	724.	3.18	6.85
6	-	-	-	-	-	-
7	-	-	1.06	734.	2.82	6.57
8	-	-	-	-	-	-
9	-	-	1.01	707.	2.23	5.42
10	-	-	1.14	845.	2.67	6.74
11	-	-	1.13	799.	2.48	4.94
12	-	-	0.99	737.	2.02	4.38
1984	-	-	-	-	-	-

LOCATION : EF01 FARASQUR PS YEAR : 1984 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	12.48	-	4.47	2641.	10.50	25.82
2	10.22	-	3.57	2296.	6.28	15.64
3	18.10	-	2.07	1286.	6.78	14.36
4	17.33	-	2.18	1349.	6.08	12.63
5	18.46	-	2.10	1348.	7.07	15.10
6	22.85	-	-	-	-	-
7	33.53	-	2.00	1199.	6.82	15.65
8	30.15	-	2.31	1412.	7.47	17.53
9	34.13	-	1.96	1200.	5.47	13.26
10	27.43	-	1.62	1082.	5.14	12.13
11	20.02	-	2.32	1524.	6.89	12.95
12	16.04	-	3.00	1836.	8.18	18.59
1984	260.74	-	-	-	-	-

LOCATION : EH02 HANUT PS YEAR : 1984 CODE : 11
Q = 4.815 - (0.000) * H ; QCAP = 4.815 HAV = 2.290

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	13.60	10.80	1.49	948.	4.04	9.34
2	7.90	6.88	1.59	1115.	4.43	10.55
3	27.76	23.96	0.96	623.	2.82	5.82
4	33.20	28.64	1.12	742.	3.02	5.81
5	30.28	25.20	1.11	744.	3.62	7.53
6	29.75	25.10	-	-	-	-
7	30.23	25.71	1.13	767.	3.85	8.74
8	29.89	24.56	1.20	809.	3.66	8.28
9	30.43	24.20	1.13	801.	2.95	7.13
10	25.61	19.78	1.14	826.	3.05	7.29
11	20.55	16.45	0.95	640.	2.70	4.55
12	8.11	6.69	1.39	981.	3.43	7.79
1984	287.31	237.96	-	-	-	-

LOCATION : EH03 BADAGA PS YEAR : 1984 CODE : 11
Q = 5.778 - (0.616) * H ; QCAP = 4.977 HAV = 1.300

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	9.32	8.94	1.98	1216.	4.97	11.95
2	1.58	1.65	5.65	3972.	13.74	39.44
3	9.27	9.40	1.71	1057.	5.06	11.20
4	9.94	10.07	2.14	1351.	6.44	12.72
5	9.38	9.34	1.97	1247.	6.07	12.76
6	9.61	9.72	-	-	-	-
7	10.96	10.95	3.38	2131.	14.66	31.63
8	13.27	13.17	1.99	1247.	6.22	14.21
9	15.52	15.35	1.72	1078.	4.61	11.12
10	14.14	13.47	1.75	1097.	4.99	11.68
11	9.45	9.41	1.88	1270.	4.61	9.27
12	13.16	12.77	1.48	923.	3.49	7.41
1984	125.60	124.25	-	-	-	-

LOCATION : EH04 NIZAM BRIDGE YEAR : 1984 CODE : 21
Q = 38.535 - 7.030* HM ; R2 = [0.970]

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	21.68	1.81	1233.	6.25	13.98
3	-	22.20	0.98	646.	3.08	6.39
4	-	15.87	1.00	636.	2.61	4.78
5	-	17.10	1.10	701.	3.54	6.98
6	-	-	-	-	-	-
7	-	21.65	0.83	562.	2.75	5.75
8	-	26.26	1.01	653.	3.66	7.55
9	-	29.56	1.12	722.	3.33	7.43
10	-	29.25	1.10	771.	3.61	8.18
11	-	23.90	1.10	738.	3.44	6.23
12	-	27.89	1.18	785.	3.94	8.05
1984	-	-	-	-	-	-

LOCATION : EH05 NIZAM PS YEAR : 1984 CODE : 11
Q = 4.269 - (0.618) * H ; GCAP = 3.478 HAV = 1.280

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	17.93	18.07	1.65	1009.	4.69	10.59
2	3.24	3.44	3.36	2220.	6.18	17.11
3	18.71	18.10	1.09	697.	2.98	6.24
4	20.26	20.78	1.37	879.	3.18	6.30
5	22.94	23.33	1.18	762.	4.62	9.23
6	16.24	16.08	-	-	-	-
7	19.40	19.56	1.41	946.	4.91	11.35
8	22.18	22.15	1.40	906.	4.78	10.53
9	22.82	21.99	1.36	872.	4.02	9.24
10	21.60	20.81	1.29	879.	4.01	9.27
11	13.78	13.41	1.14	764.	3.35	6.02
12	15.51	14.81	1.21	796.	3.89	7.88
1984	214.61	212.52	-	-	-	-

LOCATION : EH06 BANI EBEID PS YEAR : 1984 CODE : 11
Q = 7.515 - (1.241) * H ; GCAP = 5.045 HAV = 1.990

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	27.61	25.05	2.51	1485.	5.73	13.62
2	5.92	6.40	5.55	3529.	7.38	21.53
3	21.83	21.98	1.58	943.	4.58	9.62
4	21.20	19.29	2.16	1326.	4.84	9.46
5	18.31	18.43	1.57	980.	4.60	9.64
6	21.02	21.16	-	-	-	-
7	31.03	33.55	2.42	1460.	6.37	15.73
8	35.96	39.77	1.57	927.	3.82	8.75
9	39.65	39.92	1.51	899.	3.59	8.49
10	36.52	37.22	1.63	1061.	4.27	10.07
11	24.70	24.86	1.99	1345.	4.55	9.08
12	29.83	29.28	1.71	1084.	4.30	9.17
1984	313.58	316.91	-	-	-	-

LOCATION : EH07 ADD GASSABI PS YEAR : 1984 CODE : 11
Q = 6.008 - (0.000) * H ; GCAP = 6.008 HAV = 2.240

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	24.92	19.96	2.64	1592.	7.05	16.96
2	8.48	6.79	3.21	2104.	7.38	19.56
3	29.02	23.25	2.13	1243.	5.65	12.28
4	26.97	21.61	2.93	1832.	9.68	18.94
5	23.76	19.03	2.35	1462.	5.96	13.53
6	26.46	21.20	-	-	-	-
7	38.23	30.63	2.24	1429.	6.20	15.44
8	44.41	35.58	1.87	1186.	4.87	11.76
9	45.71	36.62	2.25	1409.	5.30	13.40
10	38.77	31.06	1.87	1266.	4.92	12.42
11	23.76	19.03	2.09	1406.	4.93	9.43
12	-	-	-	-	-	-
1984	-	-	-	-	-	-

LOCATION : EH08 MAIN GASSABI PS YEAR : 1984 CODE : 11
2 UNITS: Q = 5.340 - 0.242 * H; QCAP = 4.791; HAV = 2.27
1 UNITS: Q = 8.190 - 0.584 * H; QCAP = 6.864; HAV = 2.27

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	16.81	16.87	5.12	3020.	11.99	29.99
2	5.38	5.19	8.04	5216.	12.67	35.62
3	16.42	16.92	3.11	1903.	7.81	17.96
4	16.33	17.35	3.83	2399.	8.02	17.34
5	15.25	15.06	4.36	2899.	7.80	19.55
6	19.01	19.12	-	-	-	-
7	27.40	29.21	3.81	2629.	9.25	23.45
8	26.50	29.84	3.83	2399.	9.34	23.01
9	28.13	32.08	3.62	2174.	8.47	21.03
10	23.36	26.44	3.33	2217.	8.29	21.35
11	17.71	17.81	3.54	2463.	7.88	16.43
12	17.57	17.19	3.00	1929.	6.88	15.78
1984	229.87	243.08	-	-	-	-

LOCATION : EH09 GENEENA PS YEAR : 1984 CODE : 11
Q = 6.630 - (0.843) * H ; QCAP = 5.231 HAV = 1.660

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	13.88	14.07	1.75	1123.	4.71	10.86
2	4.75	4.83	2.85	2064.	6.27	16.86
3	17.39	17.72	0.98	618.	3.37	6.65
4	11.70	11.96	1.32	805.	4.36	7.75
5	12.31	12.53	1.17	752.	3.26	6.95
6	18.27	18.96	-	-	-	-
7	26.46	25.94	1.13	786.	3.45	7.94
8	33.59	41.08	0.85	525.	2.46	4.73
9	27.36	26.82	1.05	685.	2.79	6.42
10	18.05	22.02	1.10	746.	3.57	7.99
11	13.52	13.73	1.40	924.	4.48	7.82
12	15.26	15.40	-	-	-	-
1984	212.54	225.08	-	-	-	-

LOCATION : EH10 ERAD PS YEAR : 1984 CODE : 11
Q = 12.424 - (1.525) * H ; QCAP = 7.864 HAV = 2.990

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	42.83	42.40	3.14	1825.	6.69	16.21
2	13.90	14.18	4.83	3110.	8.12	22.32
3	42.76	41.68	1.77	1060.	4.44	9.91
4	39.31	38.57	2.47	1491.	5.89	12.12
5	39.47	38.51	2.19	1397.	6.95	14.67
6	46.72	45.52	-	-	-	-
7	65.69	63.72	2.30	1515.	6.93	16.63
8	77.97	75.95	1.99	1249.	5.88	13.47
9	73.69	71.71	1.98	1222.	5.22	12.59
10	55.83	55.06	2.14	1420.	5.63	13.83
11	43.03	42.22	2.34	1568.	5.90	11.58
12	43.43	42.74	2.42	1519.	5.90	13.07
1984	584.63	572.26	-	-	-	-

LOCATION : EH11 BAHR HADUS BRIDGE YEAR : 1984 CODE : 22
G = 109.750* (3.000- HM) ** 1.380 R2 = [0.950]

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	130.89	2.27	1378.	6.55	15.31
2	-	132.60	2.77	1775.	5.63	13.61
3	-	124.44	1.79	1101.	4.47	10.26
4	-	98.03	2.24	1284.	5.37	10.88
5	-	97.99	1.56	978.	4.78	10.48
6	-	97.76	-	-	-	-
7	-	165.41	2.32	1387.	6.58	15.75
8	-	197.53	1.85	1149.	5.58	12.71
9	-	208.75	1.65	1043.	4.54	10.98
10	-	193.87	1.64	1103.	4.72	11.37
11	-	150.98	1.70	1154.	4.16	8.44
12	-	193.70	1.62	1031.	4.10	8.95
1984	-	1791.94	-	-	-	-

LOCATION : EH12 SAFT PS YEAR : 1984 CODE : 11
G = 8.558 - (0.964) * H ; QCAP = 6.640 HAV = 1.990

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	49.52	44.09	3.44	2131.	11.47	26.97
2	15.39	13.11	6.33	4034.	13.99	37.96
3	46.76	41.22	2.29	1433.	6.13	13.71
4	52.14	46.49	2.33	1438.	5.43	10.99
5	51.73	46.60	2.39	1481.	6.73	14.86
6	38.66	33.43	-	-	-	-
7	57.73	51.03	3.12	2128.	7.96	20.17
8	67.72	60.64	-	-	-	-
9	63.77	58.75	2.48	1436.	3.15	8.34
10	71.09	64.31	1.86	1187.	4.38	10.94
11	52.73	44.58	-	-	-	-
12	65.29	57.71	-	-	-	-
1984	632.53	561.97	-	-	-	-

LOCATION : EH13 BAHR HADUS OUTFALL YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	3.13	1850.	7.80	18.90
2	-	-	3.29	2045.	7.12	17.31
3	-	-	1.97	1186.	5.36	11.71
4	-	-	2.23	1351.	5.35	10.93
5	-	-	1.84	1160.	5.90	12.93
6	-	-	-	-	-	-
7	-	-	-	-	-	-
8	-	-	1.53	951.	3.71	8.49
9	-	-	1.61	1007.	4.05	9.78
10	-	-	1.95	1268.	4.52	11.41
11	-	-	1.85	1251.	4.57	8.85
12	-	-	1.75	1118.	4.49	9.72
1984	-	-	-	-	-	-

LOCATION : EH16 ARIN DRAIN YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	1.13	747.	3.53	7.79
2	-	-	1.11	752.	3.28	6.88
3	-	-	1.04	674.	2.93	6.17
4	-	-	1.05	704.	3.23	6.57
5	-	-	0.73	517.	2.66	5.16
6	-	-	-	-	-	-
7	-	-	1.01	683.	3.75	7.77
8	-	-	0.95	671.	2.70	5.72
9	-	-	1.19	801.	2.95	7.04
10	-	-	0.90	643.	1.72	4.11
11	-	-	1.03	723.	3.37	6.29
12	-	-	0.89	664.	3.04	6.25
1984	-	-	-	-	-	-

LOCATION : EI01 BAHR FAQUS AT FAQUS YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	0.94	630.	2.25	4.99
2	-	-	0.55	386.	1.28	2.39
3	-	-	0.53	356.	1.87	3.20
4	-	-	0.61	408.	1.63	2.86
5	-	-	0.51	351.	1.41	2.42
6	-	-	-	-	-	-
7	-	-	0.52	350.	1.06	2.02
8	-	-	0.49	355.	1.18	2.25
9	-	-	0.59	415.	1.45	3.07
10	-	-	0.70	508.	1.60	3.50
11	-	-	0.64	431.	1.50	2.32
12	-	-	0.60	407.	1.08	1.92
1984	-	-	-	-	-	-

LOCATION : EI02 ISMAILIA CANAL YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	0.37	259.	0.91	1.57
2	-	-	0.37	245.	0.77	1.25
3	-	-	0.36	234.	0.66	1.08
4	-	-	0.42	275.	0.95	1.56
5	-	-	0.40	264.	0.92	1.47
6	-	-	-	-	-	-
7	-	-	-	-	-	-
8	-	-	0.38	234.	0.61	0.91
9	-	-	0.41	265.	0.77	1.31
10	-	-	0.46	292.	0.64	1.15
11	-	-	0.45	285.	0.90	1.15
12	-	-	0.43	307.	1.24	1.88
1984	-	-	-	-	-	-

LOCATION : EI03 BAHR MOIIS BEF MIX YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	0.54	362.	0.91	1.85
2	-	-	0.62	419.	1.15	2.41
3	-	-	0.39	273.	0.90	1.59
4	-	-	0.42	288.	1.14	1.94
5	-	-	0.39	261.	1.85	2.63
6	-	-	-	-	-	-
7	-	-	0.41	258.	1.01	1.64
8	-	-	0.42	251.	0.90	1.38
9	-	-	0.41	258.	0.50	0.88
10	-	-	0.47	319.	0.25	0.44
11	-	-	0.42	271.	0.76	1.08
12	-	-	0.45	301.	1.01	1.75
1984	-	-	-	-	-	-

LOCATION : EI04 BAHR MOIIS AFT MIX YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	1.19	791.	3.97	8.78
2	-	-	1.63	1111.	5.55	11.93
3	-	-	0.75	486.	1.96	3.91
4	-	-	1.03	671.	3.67	6.55
5	-	-	0.88	572.	2.49	4.82
6	-	-	-	-	-	-
7	-	-	0.72	465.	2.15	4.20
8	-	-	0.78	500.	2.15	4.40
9	-	-	0.93	636.	2.60	5.89
10	-	-	0.94	664.	2.65	6.05
11	-	-	0.66	443.	1.28	2.18
12	-	-	0.51	351.	1.14	2.08
1984	-	-	-	-	-	-

LOCATION : EM01 MATAREYA PS YEAR : 1984 CODE : 11
Q = 9.608 - (0.431) * H ; QCAP = 8.431 HAV = 2.730

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	21.77	22.19	6.29	3879.	13.77	34.90
2	11.13	11.83	5.72	3671.	10.23	26.96
3	17.26	18.24	4.66	2884.	12.44	28.89
4	17.45	18.36	5.63	3635.	13.46	31.33
5	15.90	16.87	5.08	3227.	12.50	30.91
6	16.39	17.15	-	-	-	-
7	20.14	21.21	-	-	-	-
8	22.51	24.04	4.98	3167.	14.13	33.67
9	22.84	24.97	5.73	3551.	12.99	33.74
10	25.32	26.62	6.02	4046.	14.02	36.30
11	22.22	23.38	5.52	3801.	11.64	25.66
12	25.21	25.80	5.57	3503.	12.14	28.94
1984	238.14	250.64	-	-	-	-

LOCATION : ES01 UPPER SERUA PS YEAR : 1984 CODE : 11
Q = 17.740 - (1.944) * H ; QCAP = 10.625 HAV = 3.660

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	13.45	19.04	0.99	659.	3.08	6.52
2	4.35	5.84	1.52	1017.	4.06	9.76
3	17.51	22.66	0.74	476.	2.55	4.90
4	13.16	17.67	0.76	496.	2.03	3.60
5	14.23	19.10	0.75	500.	2.20	4.11
6	16.39	21.21	-	-	-	-
7	19.76	25.09	0.87	598.	2.71	5.78
8	23.79	31.94	0.76	475.	1.94	3.93
9	20.85	27.44	0.82	524.	2.08	4.57
10	20.27	26.39	0.72	500.	2.06	4.38
11	15.87	21.08	0.72	465.	1.71	2.79
12	17.37	23.32	0.76	491.	2.07	3.84
1984	197.00	260.77	-	-	-	-

LOCATION : ES02 LOWER SERUA PS YEAR : 1984 CODE : 11
Q = 11.165 - (1.188) * H ; QCAP = 8.587 HAV = 2.170

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	38.98	40.24	1.93	1117.	5.15	11.42
2	15.81	15.93	2.23	1401.	5.72	13.43
3	49.24	51.82	0.87	553.	2.79	5.51
4	42.76	44.07	1.53	954.	4.50	9.35
5	55.20	58.20	1.34	852.	4.80	9.94
6	56.24	63.08	-	-	-	-
7	62.97	72.17	1.43	877.	5.09	10.98
8	61.02	71.58	1.45	863.	4.88	10.61
9	59.99	68.65	1.39	857.	4.24	9.70
10	49.91	53.23	1.42	948.	4.41	10.14
11	47.98	49.48	1.25	819.	3.43	5.94
12	39.72	40.42	1.47	935.	3.99	8.41
1984	579.82	628.85	-	-	-	-

3.1.2. M i d d l e D e l t a

LOCATION : M101 UPPER PS NO 1 YEAR : 1984 CODE : 11
Q = 6.490 - (0.330) * H ; QCAP = 5.754 HAV = 2.230

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	5.59	6.36	1.14	791.	5.22	10.87
2	1.30	1.48	3.55	2338.	12.30	32.34
3	9.26	10.51	1.01	611.	4.32	8.64
4	8.10	9.41	1.07	627.	4.49	7.95
5	4.49	5.27	0.94	589.	2.86	5.49
6	6.54	7.57	1.26	882.	5.65	12.42
7	10.69	12.35	0.89	618.	4.18	8.68
8	5.58	6.41	0.68	486.	3.10	6.13
9	3.34	3.74	1.06	748.	5.18	11.31
10	2.75	2.96	0.53	368.	1.06	1.97
11	1.80	2.09	1.11	758.	3.62	6.33
12	3.43	3.90	0.98	686.	4.36	7.61
1984	62.87	72.04	1.04	687.	4.48	9.13

LOCATION : M102 BRIDGE DRAIN NO 1 YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	1.31	864.	5.66	11.90
2	-	-	2.13	1377.	14.17	25.59
3	-	-	1.26	845.	7.66	14.02
4	-	-	1.17	786.	4.78	9.96
5	-	-	1.00	663.	5.19	8.71
6	-	-	1.20	761.	6.15	10.09
7	-	-	1.31	850.	6.94	13.18
8	-	-	1.22	824.	7.18	14.76
9	-	-	1.16	793.	7.05	15.04
10	-	-	0.87	594.	3.93	7.36
11	-	-	0.69	455.	2.58	3.63
12	-	-	1.08	758.	5.44	10.26
1984	-	-	1.19	795.	6.30	12.05

LOCATION : M103 LOWER PS NO 1 YEAR : 1984 CODE : 11
2 UNITS: Q = 1.900 - 0.000 * H; QCAP = 1.900; HAV = 1.68
3 UNITS: Q = 4.340 - 0.000 * H; QCAP = 4.340; HAV = 1.68
3 UNITS: Q = 8.640 - 0.000 * H; QCAP = 8.640; HAV = 1.68
3 UNITS: Q = 13.010 - 1.330 * H; QCAP = 10.776; HAV = 1.68

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	42.17	64.33	2.63	1640.	7.75	18.73
2	40.22	29.96	6.15	3847.	15.48	39.06
3	100.47	71.23	3.51	2075.	10.34	22.84
4	144.62	77.45	4.68	2833.	11.87	26.72
5	91.55	82.22	1.64	992.	5.14	10.17
6	111.11	79.96	1.75	1061.	6.17	13.29
7	184.22	101.42	1.55	996.	5.98	13.04
8	146.95	100.30	1.67	1078.	5.77	13.25
9	171.11	105.32	2.42	1466.	7.34	17.51
10	105.18	83.62	3.02	1868.	8.65	19.40
11	61.09	71.76	2.53	1500.	6.58	11.38
12	78.63	61.36	1.76	1210.	5.01	9.94
1984	1277.32	928.94	2.56	1567.	7.79	17.50

LOCATION : M104 PS NO 2 YEAR : 1984 CODE : 11
G = 9.860 - (0.970) * H ; GCAP = 7.416 HAV = 2.520

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	30.40	28.96	1.84	1132.	5.89	12.86
2	9.59	9.38	4.31	2636.	8.03	21.61
3	33.99	32.38	-	-	-	-
4	32.35	31.18	1.86	1169.	5.66	12.24
5	27.78	27.00	2.07	1295.	7.89	15.55
6	27.65	27.52	2.10	1317.	7.77	16.92
7	40.53	43.32	1.63	1025.	5.79	12.73
8	40.26	42.54	2.38	1440.	8.14	18.71
9	40.59	39.89	2.54	1554.	8.17	19.58
10	33.21	31.63	2.38	1496.	7.00	15.42
11	24.48	24.76	2.73	1718.	7.75	12.98
12	31.02	30.55	1.83	1274.	5.81	11.40
1984	371.85	369.10	-	-	-	-

LOCATION : M111 PS NO 11 YEAR : 1984 CODE : 11
G = 7.050 - (0.000) * H ; GCAP = 7.050 HAV = 2.790

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	22.27	20.94	1.37	891.	5.05	10.83
2	20.57	19.34	3.04	1897.	7.61	18.50
3	34.53	32.46	1.82	1088.	5.24	11.41
4	32.64	30.68	1.81	1136.	4.72	10.69
5	42.25	39.72	1.34	822.	4.19	8.65
6	48.20	45.30	1.34	824.	4.92	10.63
7	57.24	53.81	1.33	846.	4.23	9.58
8	61.58	57.87	1.13	734.	3.21	7.25
9	66.83	62.82	1.20	768.	3.65	8.43
10	51.95	48.83	1.00	700.	3.38	7.10
11	38.07	35.79	-	-	-	-
12	37.13	34.90	1.17	825.	3.86	7.52
1984	513.26	482.45	-	-	-	-

LOCATION : M701 PS NO 7 YEAR : 1984 CODE : 11
G = 8.960 - (1.120) * H ; GCAP = 5.600 HAV = 3.000

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	20.05	22.46	2.48	1440.	7.77	16.77
2	7.97	8.93	7.75	4735.	13.29	36.86
3	27.67	30.99	3.42	2056.	8.80	20.34
4	30.28	33.91	3.18	1953.	7.40	17.86
5	27.67	31.01	3.02	1904.	10.27	21.16
6	23.83	26.80	4.00	2509.	11.20	27.93
7	37.01	41.45	3.23	1897.	9.06	21.91
8	33.64	37.68	3.40	1937.	8.51	20.88
9	37.08	41.53	3.38	1960.	8.09	20.13
10	33.55	37.58	5.25	3248.	12.06	28.85
11	25.70	28.79	4.20	2731.	10.03	18.55
12	25.36	28.41	4.69	3347.	12.19	25.87
1984	329.81	369.52	3.74	2326.	9.68	22.95

LOCATION : MB01 LOWER PS NO 8 YEAR : 1984 CODE : 11
Q = 9.200 - (1.660) * H ; QCAP = 5.614 HAV = 2.160

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	24.79	17.57	3.91	2390.	10.76	26.55
2	7.24	4.87	17.09	10749.	28.70	82.45
3	28.67	21.39	3.14	1890.	8.41	18.54
4	28.36	19.92	3.94	2549.	10.77	24.28
5	26.38	20.39	3.03	1944.	9.15	19.97
6	27.08	20.33	3.47	2260.	10.90	25.96
7	43.17	33.73	3.58	2279.	11.83	26.86
8	34.75	26.68	5.72	3600.	17.60	42.16
9	38.45	29.97	5.03	3060.	12.38	32.04
10	33.29	25.29	4.33	2684.	10.21	23.92
11	27.05	20.91	4.87	3158.	11.32	20.89
12	25.71	19.89	4.82	3433.	12.77	28.00
1984	344.94	260.95	4.42	2828.	12.14	28.64

LOCATION : MQ01 EAST MENUFEYA PS YEAR : 1984 CODE : 11
2 UNITS: Q = 8.010 - 0.230 * H; QCAP = 7.375; HAV = 2.76
3 UNITS: Q = 3.670 - 0.540 * H; QCAP = 2.180; HAV = 2.76

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	12.20	11.20	-	-	-	-
2	2.38	2.35	2.13	1621.	4.46	12.34
3	11.38	10.59	0.77	522.	2.30	4.61
4	9.22	7.12	1.18	793.	2.86	6.44
5	11.81	10.80	0.85	562.	2.55	4.93
6	12.61	12.14	0.70	442.	2.41	4.47
7	11.36	8.24	1.02	689.	3.19	7.14
8	13.79	11.09	1.01	698.	3.88	8.40
9	17.24	12.12	0.91	645.	2.42	5.49
10	10.17	8.43	-	-	-	-
11	10.43	9.12	0.89	592.	1.45	2.60
12	13.79	13.46	0.80	566.	1.35	2.69
1984	136.38	116.66	-	-	-	-

LOCATION : MQ02 SEGAAYA PS YEAR : 1984 CODE : 11
Q = 5.540 - (0.440) * H ; QCAP = 5.448 HAV = 0.210

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	16.10	17.41	0.97	675.	2.96	6.38
2	1.85	2.10	3.82	2682.	8.08	23.46
3	15.25	16.56	1.01	646.	4.51	8.56
4	11.35	12.51	1.14	749.	3.88	7.74
5	10.16	11.10	1.10	732.	5.10	9.55
6	12.65	14.01	1.41	933.	4.53	10.40
7	21.95	21.77	1.24	832.	3.55	8.24
8	20.95	21.92	1.26	849.	3.43	7.93
9	24.65	24.30	1.17	806.	3.57	8.31
10	18.63	20.60	1.30	893.	3.88	8.83
11	14.96	16.30	1.37	919.	3.36	5.92
12	16.35	19.71	1.35	979.	3.91	8.02
1984	184.85	198.28	1.24	845.	3.82	8.42

LOCATION : MG03 MAHALLET RUH PS YEAR : 1984 CODE : 11
G = 2.460 - (0.000) * H ; QCAP = 2.460 HAV = 2.120

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	5.85	5.76	1.66	1088.	5.77	13.87
2	0.68	0.66	3.80	2821.	5.85	18.06
3	4.86	4.78	0.89	608.	2.55	5.30
4	4.90	4.82	0.96	650.	2.15	4.72
5	5.69	5.60	0.82	530.	2.45	4.69
6	5.23	5.15	0.84	542.	3.00	5.89
7	4.89	4.78	1.02	690.	3.10	6.98
8	6.26	6.16	0.97	697.	2.81	6.43
9	7.70	7.57	0.58	390.	1.41	2.72
10	7.43	7.32	0.66	447.	1.58	3.04
11	5.90	5.81	0.92	621.	1.82	3.13
12	8.51	8.38	1.04	749.	2.74	5.45
1984	67.90	66.78	0.96	654.	2.71	5.74

LOCATION : MG04 BEMATAY PS YEAR : 1984 CODE : 11
G = 6.590 - (1.250) * H ; QCAP = 4.553 HAV = 1.630

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	29.71	24.97	0.96	648.	2.42	5.33
2	7.59	7.98	3.14	1995.	5.18	14.01
3	31.64	28.26	1.23	777.	3.64	7.71
4	33.37	31.08	1.31	837.	3.77	8.03
5	33.77	32.28	1.11	725.	3.48	7.03
6	35.82	33.74	1.04	680.	3.74	7.84
7	43.38	39.79	1.25	833.	4.29	9.57
8	41.93	35.17	1.35	908.	4.97	11.04
9	40.73	36.36	1.28	871.	3.77	8.97
10	37.76	31.76	1.23	827.	3.54	7.92
11	26.30	23.48	1.37	904.	3.59	6.17
12	30.75	27.82	1.35	955.	3.97	7.88
1984	392.71	352.70	1.27	843.	3.82	8.37

LOCATION : MG05 PS NO 5 YEAR : 1984 CODE : 11
G = 6.500 - (0.520) * H ; QCAP = 6.094 HAV = 0.780

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	12.91	13.36	1.17	779.	5.12	10.87
2	3.13	3.52	3.96	2545.	8.04	22.55
3	14.76	14.76	1.50	926.	4.76	10.39
4	14.45	14.46	1.73	1042.	5.60	11.97
5	11.55	11.89	1.80	1149.	6.69	14.03
6	17.34	17.42	1.39	880.	4.65	10.51
7	26.14	26.00	1.16	756.	3.58	8.12
8	24.18	24.07	1.56	1027.	5.37	12.64
9	31.92	31.46	1.54	1003.	4.89	11.64
10	19.99	20.79	1.60	1039.	4.79	10.71
11	14.51	14.97	1.49	952.	3.75	6.43
12	14.36	13.34	1.60	1134.	4.79	10.03
1984	205.24	206.04	1.53	990.	4.68	11.02

LOCATION : MG06 GHARBIA BRIDGE NO 6 YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	1.29	873.	4.50	10.06
2	-	-	2.87	1829.	5.36	14.44
3	-	-	1.60	1013.	4.49	10.15
4	-	-	1.35	847.	3.23	6.83
5	-	-	1.21	774.	3.56	7.00
6	-	-	1.19	766.	4.37	9.15
7	-	-	-	-	-	-
8	-	-	-	-	-	-
9	-	-	1.38	935.	4.11	9.91
10	-	-	1.43	957.	4.13	9.46
11	-	-	1.39	905.	3.79	6.35
12	-	-	1.37	983.	4.01	8.21
1984	-	-	-	-	-	-

LOCATION : MG07 PS NO 6 YEAR : 1984 CODE : 11
Q = 7.230 - (0.860) * H ; QCAP = 5.510 HAV = 2.000

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	10.33	11.54	2.00	1255.	6.25	13.61
2	1.39	1.61	11.44	7707.	21.57	63.52
3	11.90	12.91	3.29	1943.	12.68	26.12
4	13.13	14.46	3.99	2420.	9.08	20.92
5	8.46	9.54	4.89	3032.	13.15	28.61
6	12.09	13.62	-	-	-	-
7	18.42	19.64	3.30	1922.	8.16	19.85
8	16.24	17.61	3.79	2237.	9.59	24.06
9	16.00	17.32	4.11	2484.	9.60	24.61
10	14.35	15.56	3.07	1865.	7.67	17.24
11	10.84	11.75	3.03	1985.	7.99	14.30
12	11.48	12.46	4.03	2840.	11.26	23.06
1984	144.63	158.03	-	-	-	-

LOCATION : MG08 HAMUL PS YEAR : 1984 CODE : 11
1 UNITS: Q = 11.630 - 1.930 * H; QCAP = 10.530; HAV = 0.57
2 UNITS: Q = 8.240 - 0.000 * H; QCAP = 8.240; HAV = 0.57

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	7.19	6.49	1.20	787.	3.43	7.42
2	3.44	3.21	4.68	3107.	7.87	23.29
3	36.16	29.22	0.98	618.	3.36	6.56
4	16.84	14.55	1.76	1164.	4.10	9.61
5	42.99	35.08	1.63	1028.	5.62	11.13
6	37.97	32.39	1.36	812.	5.24	10.62
7	28.37	25.02	1.78	1049.	4.84	11.35
8	37.00	32.89	1.42	809.	3.48	7.64
9	37.67	35.16	1.94	1179.	5.09	12.23
10	8.78	10.13	2.77	1839.	5.78	14.06
11	26.46	23.05	1.25	768.	3.66	5.51
12	3.83	4.72	1.58	1108.	4.62	9.41
1984	286.70	251.91	1.60	986.	4.58	10.03

LOCATION : MG09 PS NO 4 YEAR : 1984 CODE : 11
Q = 11.220 - (1.510) * H ; QCAP = 7.143 HAV = 2.700

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	25.71	24.45	1.18	747.	4.62	9.26
2	9.80	9.33	2.32	1480.	5.43	13.29
3	26.71	25.43	1.41	853.	4.09	8.56
4	27.53	25.97	1.44	911.	4.66	9.82
5	24.66	23.48	1.51	934.	5.64	10.83
6	29.23	28.77	1.84	1209.	7.95	16.79
7	45.56	43.38	1.72	1140.	7.28	15.40
8	42.80	38.44	1.52	953.	4.05	9.27
9	43.90	41.76	1.49	948.	4.23	9.90
10	37.27	35.67	1.68	1052.	4.63	10.26
11	20.42	19.41	1.94	1219.	4.28	7.70
12	24.46	23.30	1.23	854.	3.36	6.44
1984	358.05	339.41	1.57	1004.	4.99	10.79

LOCATION : MG10 PS NO 3 YEAR : 1984 CODE : 11
Q = 7.420 - (0.750) * H ; QCAP = 5.365 HAV = 2.740

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	10.33	11.75	-	-	-	-
2	5.88	6.09	11.34	6749.	22.60	61.87
3	23.81	24.72	2.26	1346.	7.42	16.10
4	23.03	23.80	1.93	1212.	5.63	12.69
5	18.47	19.11	1.99	1240.	6.16	15.61
6	27.44	29.28	2.75	1661.	10.32	23.00
7	38.99	42.72	2.97	1770.	11.34	24.93
8	33.45	34.66	2.62	1611.	9.85	21.82
9	30.67	30.33	2.35	1447.	6.79	16.78
10	26.58	27.85	1.94	1215	5.66	12.89
11	15.75	16.80	2.13	1350.	5.56	9.78
12	17.32	18.16	2.32	1611.	6.77	13.82
1984	271.72	285.27	-	-	-	-

LOCATION : MG11 GHARBIA BRIDGE NO 7 YEAR : 1984 CODE : 22
Q = 38.310* (3.740- HM) ** 2.610 R2 = [0.8901

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	73.68	2.91	1803.	8.05	19.54
3	-	-	-	-	-	-
4	-	69.90	1.83	1151.	5.26	11.32
5	-	82.40	1.47	959.	4.51	9.02
6	-	-	-	-	-	-
7	-	145.34	-	-	-	-
8	-	149.53	1.67	1043.	5.26	12.22
9	-	105.28	1.73	1114.	4.81	11.72
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	127.94	1.70	1209.	5.17	10.93
1984	-	-	-	-	-	-

LOCATION : MQ12 HAFIR SHEHAB EDDIN PS YEAR : 1984 CODE : 11
Q = 10.120 - (1.180) * H ; QCAP = 5.648 HAV = 3.790

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	26.80	30.07	6.93	4086.	15.38	39.06
2	11.85	13.14	24.60	15031.	29.45	84.96
3	25.92	28.08	7.98	4687.	16.14	38.33
4	26.99	29.18	7.94	4954.	17.37	42.66
5	24.85	26.77	7.39	4730.	18.50	44.30
6	27.12	32.52	5.08	2955.	13.50	33.68
7	39.04	50.25	5.05	3046.	13.91	33.61
8	38.17	44.41	6.62	4241.	18.24	45.28
9	36.45	40.21	6.79	4124.	15.94	41.75
10	32.18	35.93	5.24	3229.	12.31	29.10
11	26.04	27.93	5.72	3834.	13.60	26.07
12	26.24	29.23	8.82	6000.	19.52	44.17
1984	341.65	387.72	7.14	4449.	16.44	40.73

LOCATION : MQ13 GHARBIA OUTFALL YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	2.59	1550.	7.99	18.20
2	-	-	9.15	5464.	22.52	56.64
3	-	-	3.55	2050.	9.68	21.95
4	-	-	2.14	1264.	5.68	12.27
5	-	-	2.14	1219.	6.91	13.71
6	-	-	2.11	1243.	6.65	14.27
7	-	-	2.76	1716.	7.61	18.13
8	-	-	4.02	2468.	11.32	27.60
9	-	-	3.03	1797.	7.98	18.75
10	-	-	2.09	1322.	5.76	11.92
11	-	-	1.64	1061.	4.50	7.61
12	-	-	2.69	1888.	8.34	17.27
1984	-	-	3.14	1907.	9.21	20.59

LOCATION : MI01 EDFINA BARRAGE YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	0.44	308.	1.29	2.34
2	-	-	0.46	325.	0.90	1.71
3	-	-	0.55	372.	0.73	1.45
4	-	-	0.54	363.	1.11	2.09
5	-	-	0.69	457.	1.65	3.19
6	-	-	0.39	270.	0.94	1.64
7	-	-	0.46	338.	1.17	2.26
8	-	-	0.48	359.	1.50	2.93
9	-	-	-	-	-	-
10	-	-	0.59	421.	1.08	2.26
11	-	-	-	-	-	-
12	-	-	0.52	365.	0.87	1.55
1984	-	-	-	-	-	-

LOCATION : MI04 BALAMOUN PS YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	0.57	393.	1.38	2.72
2	-	-	0.51	343.	1.06	2.07
3	-	-	0.49	358.	1.02	2.04
4	-	-	0.53	369.	0.74	1.52
5	-	-	0.47	310.	0.87	1.61
6	-	-	0.48	316.	1.49	2.54
7	-	-	0.48	337.	1.16	2.10
8	-	-	0.47	328.	0.71	1.41
9	-	-	0.55	375.	1.30	2.61
10	-	-	0.52	339.	0.93	1.70
11	-	-	0.55	339.	0.85	1.17
12	-	-	0.60	429.	1.73	2.98
1984	-	-	0.52	353.	1.10	2.07

LOCATION : MI07 BAHR BASANDELA YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	0.40	283.	1.00	1.81
2	-	-	0.58	403.	0.95	1.95
3	-	-	-	-	-	-
4	-	-	0.46	311.	1.10	1.96
5	-	-	0.45	298.	1.26	2.00
6	-	-	0.40	251.	0.95	1.57
7	-	-	0.41	271.	0.87	1.51
8	-	-	0.40	273.	0.90	1.55
9	-	-	0.43	283.	0.77	1.34
10	-	-	0.46	315.	0.80	1.43
11	-	-	0.47	296.	0.79	1.04
12	-	-	0.48	333.	0.86	1.46
1984	-	-	-	-	-	-

LOCATION : MI08 BAHR TIRA BEF MIX YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	0.55	380.	1.31	2.58
2	-	-	0.47	336.	1.31	2.43
3	-	-	0.41	292.	1.24	2.15
4	-	-	0.47	315.	0.76	1.42
5	-	-	0.46	286.	1.02	1.76
6	-	-	0.46	287.	1.27	2.11
7	-	-	0.38	267.	0.91	1.57
8	-	-	0.37	275.	0.95	1.70
9	-	-	0.44	301.	1.05	1.89
10	-	-	0.49	331.	0.89	1.69
11	-	-	0.49	305.	0.83	1.15
12	-	-	0.49	337.	1.02	1.67
1984	-	-	0.46	309.	1.04	1.86

LOCATION : MI09 BAHR TIRA AFT MIX YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	1.05	688.	3.18	6.84
2	-	-	2.29	1415.	4.91	12.39
3	-	-	1.13	707.	3.73	7.74
4	-	-	0.77	490.	2.13	4.03
5	-	-	1.34	866.	3.86	7.96
6	-	-	-	-	-	-
7	-	-	1.45	972.	6.21	13.09
8	-	-	1.20	817.	4.37	9.78
9	-	-	1.39	926.	4.18	9.88
10	-	-	0.97	635.	2.73	5.74
11	-	-	1.24	808.	3.51	5.70
12	-	-	1.16	806.	3.61	6.68
1984	-	-	-	-	-	-

LOCATION : MN01 UPPER PS NO 8 YEAR : 1984 CODE : 11
Q = 8.690 - (0.590) * H ; QCAP = 8.065 HAV = 1.060

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	22.71	23.15	1.02	666.	3.59	7.14
2	6.55	6.66	3.03	2085.	7.29	18.98
3	21.11	21.31	1.51	965.	5.36	11.03
4	21.43	21.60	1.70	1036.	5.13	11.21
5	22.01	22.16	1.45	938.	4.80	9.95
6	21.17	21.29	1.80	1126.	4.60	10.99
7	27.82	27.86	2.05	1227.	4.16	10.44
8	32.51	32.21	-	-	-	-
9	34.42	33.38	1.73	1078.	4.83	11.44
10	17.25	17.29	2.41	1511.	5.70	13.31
11	22.68	22.50	1.83	1178.	4.72	8.24
12	25.75	25.52	1.58	1128.	4.98	10.27
1984	275.41	274.93	-	-	-	-

LOCATION : MN02 MANDURA PS YEAR : 1984 CODE : 11
Q = 10.690 - (1.240) * H ; QCAP = 7.280 HAV = 2.750

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	12.91	12.42	1.87	1118.	7.65	16.06
2	3.46	3.39	10.50	6535.	18.27	52.44
3	21.87	21.41	1.71	1022.	7.22	13.70
4	16.85	16.55	2.20	1381.	7.30	15.87
5	20.11	19.62	1.49	925.	5.70	10.63
6	19.12	18.93	2.00	1227.	6.12	13.56
7	23.54	22.70	2.24	1334.	6.67	15.51
8	21.49	21.04	2.42	1489.	7.66	18.27
9	25.81	24.54	1.86	1169.	5.18	12.30
10	17.25	16.38	2.15	1329.	5.48	11.94
11	16.47	16.07	-	-	-	-
12	15.28	14.66	2.36	1652.	6.53	13.45
1984	214.16	207.71	-	-	-	-

LOCATION : MN03 NASHART OUTFALL YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	1.40	959.	5.17	11.86
2	-	-	2.45	1570.	5.10	12.86
3	-	-	1.60	999.	4.93	10.63
4	-	-	1.72	1076.	4.45	9.82
5	-	-	1.52	957.	5.33	10.59
6	-	-	1.64	1046.	6.77	13.81
7	-	-	-	-	-	-
8	-	-	1.66	1115.	5.40	12.51
9	-	-	1.64	1114.	4.50	11.20
10	-	-	1.39	945.	4.81	10.76
11	-	-	1.25	798.	4.52	7.14
12	-	-	1.56	1071.	5.67	10.38
1984	-	-	-	-	-	-

LOCATION : MN04 ZEINI PS YEAR : 1984 CODE : 11
1 UNITS: Q = 5.340 - 0.980 * H; QCAP = 2.175; HAV = 3.23
2 UNITS: Q = 8.310 - 1.200 * H; QCAP = 4.434; HAV = 3.23

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	11.61	9.18	1.56	914.	4.10	8.81
2	8.62	4.76	3.58	2115.	9.06	21.86
3	12.29	7.70	3.24	1922.	9.29	21.80
4	11.88	7.86	2.27	1428.	6.58	15.24
5	10.75	7.01	2.78	1696.	9.28	19.37
6	12.33	7.38	3.60	2178.	11.92	27.03
7	14.67	11.58	-	-	-	-
8	18.65	13.64	2.45	1510.	6.74	16.68
9	21.89	15.89	2.30	1431.	7.41	17.67
10	16.94	14.36	2.99	1824.	9.21	20.17
11	12.83	9.21	4.19	2638.	11.12	20.57
12	10.04	8.50	3.29	2276.	10.17	20.90
1984	162.50	117.07	-	-	-	-

LOCATION : MT01 TIRA PS YEAR : 1984 CODE : 11
Q = 8.200 - (0.000) * H ; QCAP = 8.200 HAV = 3.580

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	24.15	24.68	5.30	3055.	10.95	27.22
2	7.82	7.91	15.01	9353.	21.42	61.53
3	26.67	27.13	5.55	3328.	18.04	40.83
4	25.94	26.30	5.88	3649.	13.48	31.98
5	24.19	24.80	4.79	2922.	12.92	28.77
6	30.75	31.53	4.86	2801.	13.72	33.07
7	50.16	48.50	5.36	3134.	13.83	34.76
8	48.95	50.12	5.14	2989.	13.51	34.46
9	48.84	50.01	4.64	2822.	11.67	30.11
10	34.80	35.69	6.50	3993.	14.48	35.24
11	25.89	26.54	8.08	5243.	16.84	33.18
12	23.74	24.38	8.27	6007.	18.78	43.50
1984	371.90	377.59	5.86	3622.	14.29	35.34

3.1.3. Western Delta

LOCATION : WB01 BARSIQ PS YEAR : 1984 CODE : 11
Q = 4.340 - (0.640) * H ; QCAP = 2.740 HAV = 2.500

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	26.40	13.92	1.85	1158.	5.42	12.16
2	18.08	9.72	2.63	1633.	6.17	14.91
3	34.67	18.33	2.99	1748.	9.74	20.25
4	38.13	20.40	3.13	1978.	8.89	19.75
5	44.33	24.34	2.94	1773.	10.18	22.04
6	44.37	25.73	3.55	2156.	12.72	27.57
7	50.40	29.49	3.90	2435.	13.30	30.31
8	51.96	29.73	2.79	1733.	8.68	20.30
9	48.08	28.25	3.07	1973.	9.58	22.82
10	44.30	23.88	2.33	1508.	6.49	16.19
11	32.09	16.77	2.05	1429.	6.32	13.79
12	28.85	14.93	5.01	3532.	12.93	32.12
1984	461.66	255.50	3.05	1936.	9.61	22.10

LOCATION : WE01 ETAY BARUD PS YEAR : 1984 CODE : 11
Q = 2.440 - (0.000) * H ; QCAP = 2.440 HAV = 3.900

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	5.83	5.48	0.94	643.	1.74	3.75
2	2.15	2.01	1.21	827.	3.08	6.86
3	5.84	5.45	0.85	549.	2.16	4.00
4	6.46	6.12	1.02	660.	2.69	5.22
5	6.59	6.20	0.79	505.	2.42	4.57
6	7.07	6.90	0.92	576.	2.23	4.50
7	7.39	7.38	0.97	635.	1.32	2.94
8	8.14	7.21	0.93	634.	2.44	5.37
9	9.73	9.45	0.99	708.	2.85	6.65
10	9.53	9.11	1.14	803.	2.70	6.54
11	6.54	6.16	1.52	1075.	4.43	9.51
12	6.96	6.62	1.18	862.	3.43	7.63
1984	82.23	78.10	1.03	703.	2.60	5.70

LOCATION : WE02 SHUBRAKHIT PS YEAR : 1984 CODE : 11
Q = 6.550 - (0.860) * H ; QCAP = 5.518 HAV = 1.200

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	22.16	19.26	1.46	939.	4.85	10.41
2	10.94	9.64	3.43	2237.	9.87	22.65
3	25.94	22.93	0.89	573.	2.20	4.37
4	23.48	20.71	1.06	711.	2.46	5.23
5	29.84	25.86	0.81	514.	2.96	5.53
6	28.62	24.89	1.27	835.	7.05	12.93
7	34.16	30.33	1.52	1035.	7.66	15.39
8	37.39	32.92	1.10	708.	3.21	6.82
9	38.94	34.63	1.10	744.	2.89	6.74
10	36.68	32.44	0.96	678.	2.16	5.20
11	24.84	21.57	1.13	818.	3.08	6.60
12	26.00	22.57	1.02	733.	2.90	6.28
1984	338.99	297.75	1.19	800.	3.92	8.42

LOCATION : WE03 ZARGUN PS YEAR : 1984 CODE : 11
Q = 9.210 - (2.300) * H ; QCAP = 5.185 HAV = 1.750

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	12.89	13.56	2.83	1786.	8.12	19.06
2	6.89	7.62	1.49	964.	4.27	9.63
3	12.09	12.39	1.05	661.	3.11	6.11
4	14.83	15.67	1.05	668.	3.57	6.55
5	15.56	16.93	1.06	680.	3.89	7.52
6	19.29	20.81	-	-	-	-
7	23.69	23.93	1.06	654.	3.60	7.35
8	24.41	24.53	1.08	691.	2.80	6.48
9	25.90	25.62	1.10	731.	3.39	7.95
10	20.65	21.41	1.37	913.	3.19	7.93
11	15.88	16.76	2.07	1435.	5.86	12.53
12	13.86	14.95	1.27	883.	3.93	8.32
1984	205.94	214.17	-	-	-	-

LOCATION : WE04 EDKO IRR. PS YEAR : 1984 CODE : 11
Q = 6.380 - (0.000) * H ; QCAP = 6.380 HAV = 2.400

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	18.50	17.59	1.03	668.	2.81	5.98
2	8.18	8.06	1.75	1116.	4.64	10.83
3	27.16	27.42	0.92	566.	2.55	4.65
4	30.20	30.29	1.00	634.	2.33	4.35
5	30.40	30.85	0.98	614.	2.63	5.15
6	29.51	30.75	-	-	-	-
7	32.09	33.46	1.11	673.	4.44	8.52
8	33.92	35.21	1.10	716.	3.13	6.93
9	30.89	30.78	1.20	789.	3.73	8.44
10	32.40	32.09	1.04	681.	2.46	5.63
11	29.98	30.09	0.85	578.	2.20	4.18
12	29.67	28.53	0.99	702.	2.93	6.19
1984	332.90	335.13	-	-	-	-

LOCATION : WE05 DILINGAT PS YEAR : 1984 CODE : 11
Q = 8.170 - (1.050) * H ; QCAP = 5.020 HAV = 3.000

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	19.11	17.42	0.90	641.	2.50	5.57
2	12.60	11.99	0.94	654.	2.91	6.02
3	15.75	14.35	0.83	582.	2.33	4.76
4	15.26	14.01	1.02	715.	2.93	5.91
5	15.41	13.47	0.93	605.	2.95	5.84
6	14.27	12.88	0.90	571.	3.62	6.91
7	15.86	12.96	1.07	724.	3.29	7.15
8	18.19	15.65	0.91	631.	1.79	4.17
9	22.05	19.43	0.82	580.	2.00	4.54
10	21.41	20.05	0.84	604.	1.58	3.73
11	19.27	17.93	1.00	728.	2.22	4.59
12	19.36	18.30	1.00	751.	1.99	4.53
1984	208.54	188.44	0.92	649.	2.38	5.20

LOCATION : WE06 KHANDAK EL GHARBI PS YEAR : 1984 CODE : 11
Q = 2.350 - (0.000) * H ; QCAP = 2.350 HAV = 3.400

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	6.96	6.04	0.94	666.	2.60	5.83
2	3.01	2.60	1.17	806.	3.42	7.89
3	6.13	5.37	0.92	613.	3.69	7.07
4	7.23	6.17	1.05	697.	2.24	4.65
5	8.28	7.33	0.83	577.	1.30	2.92
6	10.68	9.51	1.11	733.	2.86	6.23
7	12.67	11.44	1.21	790.	5.02	10.22
8	11.84	10.63	1.03	742.	4.16	9.11
9	11.41	10.23	1.05	760.	2.99	7.02
10	12.51	11.11	0.87	598.	1.27	3.02
11	9.23	8.10	1.02	733.	2.46	5.20
12	8.66	7.70	1.45	1031.	4.90	10.90
1984	108.61	96.23	1.05	729.	3.03	6.71

LOCATION : WE07 KHAIRY PS YEAR : 1984 CODE : 11
Q = 7.140 - (1.390) * H ; QCAP = 4.638 HAV = 1.800

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	16.72	13.69	1.05	715.	2.91	6.47
2	9.95	8.45	1.31	881.	3.57	8.10
3	15.42	12.56	1.12	725.	3.38	7.12
4	16.18	13.06	1.16	758.	3.55	7.00
5	15.79	12.75	1.36	875.	4.87	10.23
6	19.38	15.82	-	-	-	-
7	25.28	20.48	1.25	826.	5.31	11.07
8	25.03	20.32	1.04	711.	3.46	7.88
9	25.45	20.55	1.11	762.	3.36	8.08
10	22.42	18.39	1.57	1046.	4.06	10.13
11	17.76	14.40	1.70	1173.	4.92	10.45
12	17.54	14.56	1.17	857.	3.34	7.49
1984	226.92	185.02	-	-	-	-

LOCATION : WE08 HALG EL GAMAL PS YEAR : 1984 CODE : 11
Q = 4.830 - (0.700) * H ; QCAP = 3.080 HAV = 2.500

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	27.09	16.00	1.08	706.	3.44	7.58
2	21.24	12.88	1.35	834.	4.73	10.08
3	35.78	21.57	1.62	991.	4.67	9.67
4	40.68	23.46	2.06	1284.	4.71	9.92
5	43.11	26.98	1.61	1024.	5.24	11.01
6	43.58	29.47	1.54	1038.	6.26	13.04
7	47.25	32.41	1.79	1205.	7.15	15.13
8	48.49	32.04	1.92	1208.	6.47	15.06
9	45.65	30.87	1.75	1113.	5.70	13.79
10	46.73	28.06	2.72	1669.	7.37	19.03
11	37.24	22.37	-	-	-	-
12	29.79	17.39	2.96	1897.	8.14	19.85
1984	466.63	293.51	-	-	-	-

LOCATION : WE09 HALQ EL GAMAL BRIDGE YEAR : 1984 CODE : 21
Q = 233.300 - 77.250* HM ; R2 = [0.760]

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	73.97	1.27	808.	4.43	9.75
2	-	39.02	2.07	1278.	7.46	16.61
3	-	45.62	1.23	782.	3.93	8.19
4	-	57.76	1.02	648.	2.97	5.45
5	-	35.44	1.17	735.	4.54	9.01
6	-	40.31	1.81	1150.	7.42	16.09
7	-	78.24	1.40	867.	5.86	11.83
8	-	66.37	1.35	858.	4.25	9.53
9	-	66.07	1.37	923.	4.24	10.21
10	-	-	-	-	-	-
11	-	40.11	1.22	867.	3.56	7.30
12	-	45.50	1.26	914.	3.03	7.05
1984	-	-	-	-	-	-

LOCATION : WE10 EDKO PS YEAR : 1984 CODE : 11
Q = 3.920 - (0.220) * H ; QCAP = 3.216 HAV = 3.200

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	9.42	8.60	3.83	2258.	8.49	21.19
2	7.48	6.89	4.41	2621.	9.42	23.79
3	13.27	12.26	3.53	2070.	11.86	25.41
4	12.21	11.11	4.51	2765.	13.03	30.65
5	17.64	16.49	3.88	2333.	13.61	30.54
6	12.46	12.20	-	-	-	-
7	18.31	17.73	3.45	2076.	13.02	29.66
8	25.23	23.38	2.94	1764.	9.50	22.82
9	22.45	21.47	2.63	1631.	8.40	21.24
10	18.42	16.63	3.45	2181.	9.16	24.37
11	15.05	13.63	4.03	2811.	11.14	25.38
12	10.55	9.75	4.13	2922.	10.90	26.61
1984	182.49	170.13	-	-	-	-

LOCATION : WE11 BOSSEILY PS YEAR : 1984 CODE : 11
Q = 5.170 - (0.570) * H ; QCAP = 3.346 HAV = 3.200

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	13.42	12.25	2.15	1266.	6.71	15.15
2	14.55	13.32	1.72	1031.	7.08	14.23
3	25.88	23.56	2.05	1173.	6.10	12.60
4	24.90	24.71	2.61	1589.	7.29	15.99
5	33.89	34.59	1.91	1170.	7.10	14.73
6	38.35	40.18	1.97	1258.	9.91	18.31
7	42.02	42.32	3.01	1947.	13.74	28.23
8	44.55	43.07	2.97	1743.	9.00	21.51
9	43.50	43.19	2.44	1471.	7.01	17.46
10	37.77	35.29	2.21	1379.	6.25	15.69
11	28.01	25.28	1.67	1171.	4.54	10.13
12	20.16	17.91	2.60	1824.	7.29	17.05
1984	367.00	355.68	2.32	1459.	7.91	17.83

LOCATION : WI13 MAHMUDEYA CANAL BEF MIX YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	0.44	311.	1.66	2.86
2	-	-	-	-	-	-
3	-	-	0.45	317.	1.07	2.00
4	-	-	-	-	-	-
5	-	-	0.69	475.	2.02	3.88
6	-	-	0.69	443.	2.58	4.66
7	-	-	0.55	335.	1.56	2.67
8	-	-	0.50	318.	1.04	1.94
9	-	-	0.54	354.	1.16	2.39
10	-	-	0.54	361.	0.60	1.25
11	-	-	0.54	355.	0.76	1.30
12	-	-	0.62	435.	2.04	3.86
1984	-	-	-	-	-	-

LOCATION : WI14 MAHMUDEYA CANAL AFT MIX YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	0.70	476.	1.69	3.42
2	-	-	-	-	-	-
3	-	-	0.59	390.	0.88	1.69
4	-	-	-	-	-	-
5	-	-	0.72	467.	1.41	2.78
6	-	-	0.77	477.	2.83	5.20
7	-	-	0.76	480.	2.65	5.03
8	-	-	1.00	700.	3.35	7.40
9	-	-	0.96	650.	2.95	6.42
10	-	-	0.63	419.	0.97	2.03
11	-	-	0.72	496.	1.75	3.04
12	-	-	0.87	596.	1.82	3.65
1984	-	-	-	-	-	-

LOCATION : WI15 KAFR EL DOWAR BRIDGE YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	0.55	374.	1.45	2.74
2	-	-	-	-	-	-
3	-	-	0.52	354.	0.79	1.57
4	-	-	-	-	-	-
5	-	-	-	-	-	-
6	-	-	0.75	485.	3.12	5.68
7	-	-	0.99	625.	4.22	7.90
8	-	-	-	-	-	-
9	-	-	0.63	428.	1.59	3.25
10	-	-	0.91	646.	1.51	3.66
11	-	-	0.72	495.	1.48	2.90
12	-	-	0.64	451.	1.59	3.12
1984	-	-	-	-	-	-

LOCATION : WT01 TABIA PS YEAR : 1984 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	32.75	-	1.79	1171.	5.41	12.66
2	36.08	-	1.73	1136.	5.25	12.22
3	51.55	-	1.74	1096.	5.61	12.22
4	54.44	-	2.12	1276.	6.59	14.19
5	56.63	-	1.98	1225.	7.42	15.72
6	47.80	-	3.81	2588.	18.05	37.27
7	53.06	-	4.64	3216.	22.59	48.16
8	55.45	-	2.76	1715.	9.25	22.35
9	56.01	-	1.94	1238.	6.79	16.26
10	57.86	-	1.79	1145.	5.50	13.33
11	49.28	-	1.63	1117.	4.98	10.52
12	45.25	-	2.48	1751.	7.51	17.63
1984	596.16	-	2.35	1569.	8.81	19.92

LOCATION : WU01 SHEREISHRA BRIDGE YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	2.35	1517.	5.78	14.03
2	-	-	2.28	1473.	7.55	16.94
3	-	-	2.45	1521.	6.89	14.85
4	-	-	1.94	1257.	5.92	12.49
5	-	-	1.40	929.	6.38	12.55
6	-	-	1.40	899.	7.26	13.45
7	-	-	1.94	1217.	8.60	17.40
8	-	-	2.06	1339.	7.95	17.69
9	-	-	2.03	1386.	6.52	16.38
10	-	-	1.95	1335.	5.57	14.12
11	-	-	2.77	1979.	8.54	18.77
12	-	-	2.23	1628.	6.80	15.92
1984	-	-	2.04	1373.	6.86	15.53

LOCATION : WU02 SHEREISHRA PS YEAR : 1984 CODE : 11
Q = 7.900 - (0.000) * H ; QCAP = 7.900 HAV = 1.550

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	45.18	45.30	2.69	1704.	9.90	21.85
2	24.33	24.06	4.25	2627.	14.62	33.85
3	41.75	41.35	2.42	1578.	8.40	17.24
4	39.40	38.93	2.95	1991.	9.01	20.31
5	39.89	39.47	2.86	1915.	10.72	24.67
6	40.09	39.62	4.59	3141.	21.00	45.14
7	46.97	46.41	5.01	3480.	23.08	47.25
8	55.96	56.28	2.73	1778.	10.43	22.90
9	59.27	58.56	2.40	1626.	8.21	20.44
10	59.95	59.24	3.56	2290.	9.64	25.04
11	47.37	46.41	3.13	2176.	8.95	20.25
12	47.94	47.38	2.66	1892.	8.08	18.03
1984	548.10	543.03	3.20	2148.	11.30	25.99

LOCATION : WU03 TRUGA PS YEAR : 1984 CODE : 11
Q = 10.830 - (1.370) * H ; GCAP = 7.405 HAV = 2.500

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	47.84	47.81	3.36	2168.	8.75	21.42
2	24.80	25.97	4.22	2851.	10.77	27.61
3	51.97	57.44	2.77	1799.	8.41	17.35
4	49.59	51.71	3.18	2080.	8.79	18.31
5	47.63	47.53	3.55	2302.	11.33	25.44
6	52.28	59.34	2.99	1946.	10.68	22.49
7	52.23	55.29	3.57	2380.	11.31	26.51
8	60.18	67.75	3.48	2369.	11.63	28.30
9	52.61	66.61	3.47	2411.	11.47	28.62
10	52.86	63.59	3.20	2201.	8.26	21.54
11	51.25	51.34	3.23	2273.	9.22	20.72
12	49.94	44.94	3.80	2715.	10.49	25.10
1984	593.18	639.30	3.35	2260.	10.04	23.78

LOCATION : WU04 DISHUDI BRIDGE YEAR : 1984 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	2.99	1943.	8.05	19.29
2	-	-	2.88	1778.	7.92	18.02
3	-	-	2.98	1926.	9.91	21.71
4	-	-	3.02	1966.	9.76	20.64
5	-	-	3.03	1943.	11.42	24.12
6	-	-	4.41	3002.	17.32	37.45
7	-	-	4.74	3337.	22.90	47.99
8	-	-	2.87	1962.	10.44	24.03
9	-	-	2.71	1878.	8.31	20.65
10	-	-	2.67	1839.	7.26	18.75
11	-	-	3.29	2349.	9.70	21.58
12	-	-	3.41	2403.	12.35	28.43
1984	-	-	3.24	2195.	11.03	25.26

LOCATION : WU05 DUSHUDI PS YEAR : 1984 CODE : 11
Q = 10.320 - (2.010) * H ; GCAP = 5.737 HAV = 2.280

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	18.50	18.83	5.01	3074.	13.83	33.90
2	16.21	17.10	4.96	3101.	14.95	37.36
3	22.65	23.79	4.68	2894.	13.25	30.92
4	22.28	22.89	5.70	3599.	11.72	26.76
5	21.94	22.32	4.18	2530.	13.29	28.82
6	25.13	25.89	3.88	2370.	14.66	30.68
7	28.38	30.01	3.91	2506.	13.02	30.07
8	31.51	35.32	3.33	2161.	9.22	23.04
9	30.83	33.09	4.95	3112	12.97	34.09
10	29.45	33.06	5.63	3555.	12.14	32.75
11	26.45	27.06	4.81	3399.	12.17	28.45
12	23.10	23.23	6.19	4289.	13.93	35.67
1984	296.43	312.61	4.67	3019.	12.56	30.88

LOCATION : WU06 HARES PS YEAR : 1984 CODE : 11
G = 11.440 - (1.730) * H ; GCAP = 6.250 HAV = 3.000

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	59.14	45.86	11.82	7319.	22.46	56.69
2	28.85	22.79	17.27	10815.	31.47	83.35
3	58.36	44.79	10.50	6404.	28.32	61.54
4	59.08	45.55	10.89	7240.	20.01	47.26
5	58.57	43.47	9.94	6351.	27.44	61.37
6	52.67	39.81	11.14	7175.	29.95	68.76
7	52.59	39.81	13.59	8741.	32.64	80.17
8	60.98	45.68	11.42	6736.	20.94	57.45
9	60.84	47.83	10.54	6761.	20.39	56.60
10	63.82	54.00	8.91	5876.	16.48	45.18
11	61.87	48.62	9.71	7132.	20.06	47.63
12	63.79	49.29	9.44	6782.	19.30	48.31
1984	680.56	527.49	10.80	7086.	22.99	58.16

LOCATION : WU07 ABIES PS YEAR : 1984 CODE : 11
5 UNITS: G = 0.310 - 0.000 * H; GCAP = 0.310; HAV = 42.50

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	3.10	2.86	7.56	4658.	14.47	38.74
2	3.08	2.85	6.49	3971.	14.57	36.45
3	3.86	3.57	5.17	3207.	14.56	33.00
4	4.20	3.94	5.16	3346.	11.04	26.78
5	8.35	8.12	5.53	3858.	21.22	44.18
6	7.67	7.41	-	-	-	-
7	8.76	8.43	11.31	8585.	57.19	116.08
8	8.09	7.75	4.90	3282.	14.09	33.30
9	7.36	6.95	4.68	3167.	10.22	27.05
10	7.74	7.42	3.65	2432.	7.11	19.18
11	7.67	7.35	4.03	2929.	8.85	20.44
12	4.57	4.34	7.49	5565.	13.86	37.00
1984	74.45	70.99	-	-	-	-

LOCATION : WU08 GALAA PS YEAR : 1984 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	15.73	-	3.14	1872.	8.38	20.03
2	14.44	-	2.71	1627.	8.99	20.63
3	18.56	-	2.41	1433.	6.26	14.36
4	19.73	-	-	-	-	-
5	21.42	-	2.42	1475.	9.79	20.21
6	21.00	-	-	-	-	-
7	22.98	-	2.03	1316.	9.26	17.74
8	22.01	-	2.95	1919.	8.74	21.11
9	22.91	-	2.52	1631.	7.63	19.19
10	23.17	-	2.61	1715.	7.24	18.63
11	20.28	-	2.98	2079.	8.59	19.40
12	17.02	-	4.02	2821.	10.57	26.48
1984	239.25	-	-	-	-	-

LOCATION : WU09 MAX PS YEAR : 1984 CODE : 11
6 UNITS: Q = 15.320 - 1.600 * H; QCAP = 10.120; HAV = 3.25
6 UNITS: Q = 16.800 - 1.600 * H; QCAP = 11.600; HAV = 3.25

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	275.53	218.49	8.26	5083.	14.73	39.12
2	143.82	114.02	11.67	7299.	20.21	56.41
3	207.28	178.11	8.07	4990.	19.47	46.20
4	219.15	166.24	9.68	6170.	21.15	51.29
5	226.74	182.39	8.19	5314.	23.05	54.14
6	214.58	170.33	7.76	4999.	25.59	53.16
7	231.06	183.21	8.38	5292.	23.27	54.80
8	264.38	209.18	7.44	4722.	19.40	48.84
9	271.63	213.41	7.78	5049.	18.96	51.00
10	293.52	226.23	7.32	4799.	15.69	42.80
11	263.79	211.19	6.10	4453.	14.52	33.92
12	308.00	243.96	8.25	5817.	17.92	45.50
1984	2919.48	2316.78	8.00	5248.	18.83	47.56

3.2. CHEMICAL COMPOSITION

3.2.1. E a s t e r n D e l t a

LOCATION : EB01 BILBEIS BRIDGE YEAR : 1984 CODE : 21
MEASUREMENT POINT CODE: 21 ; OPEN DRAIN ; BASIC DATA: WATER LEVEL MEASUREMENTS

DISCHARGE RELATION : Q = A + B * HM
Q - DISCHARGE IN M**3 PER SECOND
A = 53.330 - Q INTERCEPT FOR HM = 0
B = -10.200 - SLOPE OF Q-HM RELATION
HM= - DISTANCE TO WATERLEVEL FROM FIXED POINT
R2= 0.690 - CORRELATION COEFFICIENT

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 17 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	34.91	1.76	1105.	7.76	4.75	11.21	0.00	3.87	3.87	9.34	0.17	0.00	4.57	2.45	10.24
2	33.34	1.28	819.	7.91	3.92	8.71	0.00	2.34	3.16	6.49	0.41	0.00	4.20	1.42	6.79
3	34.96	0.98	654.	7.70	2.83	6.25	0.00	2.34	2.61	4.46	0.29	0.00	4.18	1.10	4.39
4	33.27	1.19	837.	7.14	2.77	6.51	0.00	3.58	3.82	5.21	0.23	0.00	4.44	4.49	3.61
5	35.19	1.20	842.	7.45	3.48	7.88	0.00	3.72	2.20	6.00	0.38	0.00	4.25	3.61	4.38
6	34.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	36.70	1.17	859.	7.49	3.22	7.80	0.00	2.51	3.86	5.74	0.26	0.16	5.61	3.10	3.51
8	38.18	1.15	880.	7.85	3.96	9.26	0.00	3.17	2.44	6.63	0.29	0.66	4.72	4.84	2.34
9	35.12	1.23	871.	7.42	3.36	8.34	0.12	3.37	3.09	6.04	0.37	1.29	5.29	2.26	4.04
10	34.67	1.33	1002.	7.33	3.44	8.84	0.47	3.27	3.84	6.49	0.65	0.56	7.01	2.66	4.03
11	34.06	1.42	1029.	7.82	3.90	8.13	0.00	2.94	4.18	7.35	0.68	0.13	2.48	9.99	2.52
12	39.20	1.16	866.	7.63	2.90	5.75	0.00	3.83	3.39	4.74	0.73	0.01	3.89	6.48	2.31
1984	420.46	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EB02 QALYUBEYA BRIDGE YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	1.39	926.	7.82	4.14	9.74	0.00	3.84	2.48	7.36	0.20	0.11	4.98	2.10	6.65
2	-	0.96	652.	8.34	2.82	6.03	0.00	2.39	2.64	4.48	0.33	0.70	2.84	3.18	3.10
3	-	0.79	531.	7.86	1.71	3.62	0.00	2.46	2.81	2.69	0.19	0.03	3.23	1.67	2.93
4	-	0.97	678.	7.49	2.41	5.12	0.00	3.39	2.30	4.07	0.19	0.00	3.08	3.96	2.91
5	-	0.88	590.	7.83	2.71	5.49	0.00	2.36	2.05	4.03	0.28	0.00	3.09	2.10	3.52
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	1.02	762.	7.81	2.66	6.09	0.00	2.71	3.35	4.64	0.33	0.43	3.85	4.95	1.77
9	-	0.96	681.	7.68	2.14	5.08	0.00	2.59	3.48	3.73	0.24	0.81	4.30	2.36	2.61
10	-	0.97	719.	7.65	2.09	5.06	0.02	2.37	3.79	3.60	0.37	0.29	5.90	1.31	2.72
11	-	1.04	727.	8.17	2.55	4.87	0.00	2.11	3.99	4.45	0.36	0.10	1.86	6.93	2.01
12	-	0.87	640.	8.08	2.36	4.74	0.00	2.66	2.38	3.74	0.40	0.00	2.68	4.97	1.53
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EB03 WADI FB YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H
Q - DISCHARGE IN M**3 PER SECOND
QO = 7.632 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = -1.140 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 4.645 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 2.620 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 13 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	23.61	1.23	844.	7.60	3.19	7.49	0.00	3.19	3.43	5.79	0.14	0.00	4.76	2.69	5.13
2	8.02	1.57	1122.	7.79	3.41	8.86	0.00	3.37	3.43	7.16	0.52	0.00	6.88	3.49	6.11
3	43.30	0.63	443.	7.85	1.80	3.61	0.00	1.89	1.88	2.47	0.16	0.00	3.21	0.96	2.23
4	31.71	0.99	694.	7.26	2.32	5.09	0.00	3.43	2.53	4.01	0.23	0.00	3.47	3.48	3.25
5	34.83	1.19	806.	7.31	3.28	7.06	0.00	3.17	2.89	5.72	0.31	0.00	3.86	4.04	4.81
6	43.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	45.07	1.05	728.	7.57	2.79	6.22	0.00	1.93	3.92	4.77	0.21	0.08	3.81	3.39	3.55
8	40.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	37.64	1.04	726.	7.36	2.22	5.41	0.00	2.57	3.96	4.01	0.21	0.62	4.99	1.76	3.32
10	36.22	1.13	806.	7.25	2.34	5.95	0.00	2.14	4.97	4.41	0.30	0.54	6.27	1.19	3.77
11	33.38	1.04	736.	7.80	2.79	5.81	0.00	1.64	4.18	4.75	0.34	0.03	2.27	6.76	1.85
12	18.53	1.20	932.	7.61	3.50	8.13	0.00	2.27	4.16	6.28	0.53	0.00	4.55	6.79	1.91
1984	395.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EB04 WADI RAILWAY BRIDGE YEAR : 1984 CODE : 21
MEASUREMENT POINT CODE: 21 ; OPEN DRAIN ; BASIC DATA: WATER LEVEL MEASUREMENTS

DISCHARGE RELATION : Q = A + B * HM
Q - DISCHARGE IN M**3 PER SECOND
A = 152.220 - Q INTERCEPT FOR HM = 0
B = -20.680 - SLOPE OF Q-HM RELATION
HM= - DISTANCE TO WATERLEVEL FROM FIXED POINT
R2= 0.760 - CORRELATION COEFFICIENT

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 17 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	65.73	1.75	1109.	7.35	5.40	12.70	0.00	3.31	3.54	10.00	0.23	0.00	4.96	2.09	9.98
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	47.39	1.10	730.	7.65	2.86	8.89	0.00	3.55	2.56	4.48	0.27	0.00	4.36	1.42	5.07
4	49.57	1.11	795.	7.53	3.05	6.94	0.00	3.72	2.30	5.28	0.20	0.00	4.28	3.71	3.51
5	58.13	1.10	761.	7.75	3.13	6.96	0.00	3.18	2.55	5.31	0.17	0.00	3.92	3.22	4.06
6	48.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	54.46	1.15	808.	7.47	2.64	6.50	0.00	2.79	3.93	4.84	0.23	0.13	5.76	1.52	4.38
8	74.67	1.02	698.	7.54	2.47	5.83	0.00	3.32	2.43	4.19	0.30	0.49	4.70	1.03	4.04
9	75.03	1.02	724.	7.50	2.73	6.51	0.00	3.46	2.22	4.59	0.33	1.03	4.64	1.70	3.19
10	62.36	1.15	874.	7.44	3.13	7.63	0.00	3.22	3.15	5.58	0.59	0.89	5.09	4.02	2.53
11	61.31	1.35	920.	7.96	3.40	6.67	0.00	3.22	3.86	6.39	0.60	0.10	1.92	7.33	4.70
12	84.06	1.16	772.	7.75	2.73	5.93	0.00	3.43	2.76	4.80	0.60	0.00	3.30	3.29	5.00
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EB05 BAADA BRIDGE YEAR : 1984 CODE : 21
MEASUREMENT POINT CODE: 21 ; OPEN DRAIN ; BASIC DATA: WATER LEVEL MEASUREMENTS

DISCHARGE RELATION : Q = A + B * HM
Q - DISCHARGE IN M**3 PER SECOND
A = 132.130 - Q INTERCEPT FOR HM = 0
B = -19.460 - SLOPE OF Q-HM RELATION
HM= - DISTANCE TO WATERLEVEL FROM FIXED POINT
R2= 0.850 - CORRELATION COEFFICIENT

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	79.17	1.39	930.	7.54	3.78	9.03	0.00	3.43	3.33	6.94	0.22	0.00	5.20	2.07	6.67
2	70.74	0.98	701.	7.66	2.75	6.24	0.00	2.17	3.18	4.50	0.27	0.02	4.49	2.42	3.21
3	64.96	0.84	574.	7.50	2.29	4.90	0.00	2.06	2.65	3.52	0.21	0.15	3.53	1.84	2.90
4	67.10	0.98	686.	7.45	2.42	5.24	0.00	3.25	2.55	4.12	0.15	0.00	3.35	3.75	2.97
5	74.50	1.20	807.	7.56	4.07	8.76	0.00	3.05	2.13	6.55	0.27	0.00	3.77	3.02	5.20
6	72.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	80.86	1.01	677.	7.51	2.22	5.17	0.00	1.90	4.21	3.88	0.18	0.07	4.51	1.35	4.22
8	96.22	1.09	731.	7.62	3.35	7.36	0.00	2.51	2.80	5.45	0.23	0.33	3.65	2.58	4.40
9	85.29	1.73	1269.	7.62	9.91	20.89	1.56	1.82	2.38	13.78	0.21	0.86	4.89	9.08	3.34
10	87.02	1.10	824.	7.32	2.91	7.21	0.49	2.50	3.68	5.11	0.46	0.75	5.92	2.35	2.76
11	81.36	1.13	820.	7.74	3.06	6.37	0.00	2.24	3.92	5.38	0.52	0.11	2.64	7.18	2.11
12	100.45	1.00	770.	7.59	3.14	6.96	0.00	2.39	2.80	5.07	0.55	0.02	4.15	4.92	1.71
1984	960.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EB06 BAADA PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H
Q - DISCHARGE IN M**3 PER SECOND
QO = 0.735 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = 0.000 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 0.735 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 0.000 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 20 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	1.56	1.78	1150.	7.69	5.23	12.70	0.00	3.87	3.50	10.03	0.17	0.00	5.62	1.99	9.99
2	1.16	1.29	846.	7.66	3.95	9.00	0.00	2.54	3.24	6.72	0.29	0.00	4.55	1.79	6.42
3	1.37	0.84	536.	7.67	2.47	4.90	0.00	1.89	2.42	3.63	0.19	0.12	2.73	1.64	3.63
4	1.69	1.03	697.	7.85	2.53	5.55	0.00	2.69	3.28	4.38	0.15	0.18	3.31	3.27	3.73
5	2.13	1.05	693.	7.84	3.26	6.95	0.00	2.21	2.86	5.19	0.15	0.00	3.55	2.25	4.62
6	2.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	2.74	0.98	632.	8.00	3.70	7.52	0.00	1.48	2.59	5.28	0.15	0.00	3.45	1.53	4.51
8	3.05	0.98	646.	7.87	2.90	6.12	0.00	2.42	2.58	4.58	0.16	0.13	3.27	2.18	4.15
9	2.42	1.12	771.	7.59	2.77	6.69	0.00	3.09	3.26	4.93	0.20	0.61	4.99	1.48	4.04
10	2.42	1.19	852.	7.47	2.66	6.73	0.00	2.39	4.63	4.98	0.35	0.23	6.48	1.42	4.20
11	2.04	1.26	881.	8.04	2.84	5.64	0.00	2.76	4.73	5.50	0.43	0.09	1.90	8.23	3.14
12	2.55	0.96	692.	7.99	2.91	5.13	0.00	3.01	2.49	4.16	0.40	0.00	2.71	5.10	2.24
1984	25.63	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EB07 BAUD BRIDGE YEAR : 1984 CODE : 21
MEASUREMENT POINT CODE: 21 ; OPEN DRAIN ; BASIC DATA: WATER LEVEL MEASUREMENTS

DISCHARGE RELATION : Q = A + B * HM
Q - DISCHARGE IN M**3 PER SECOND
A = 69.690 - Q INTERCEPT FOR HM = 0
B = -18.680 - SLOPE OF Q-HM RELATION
HM= - DISTANCE TO WATERLEVEL FROM FIXED POINT
R2= 0.640 - CORRELATION COEFFICIENT

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	88.67	1.48	988.	7.41	4.22	10.03	0.00	3.74	3.10	7.80	0.21	0.00	5.11	2.49	7.26
2	86.48	1.04	743.	7.63	3.28	7.06	0.00	2.65	2.52	5.28	0.33	0.00	3.65	3.91	3.25
3	75.11	0.95	639.	7.68	1.99	4.33	0.00	3.49	2.43	3.42	0.23	0.00	3.34	2.43	3.72
4	75.08	1.06	751.	7.34	2.61	8.87	0.00	3.55	2.60	4.58	0.25	0.00	3.87	3.60	3.51
5	82.06	1.04	721.	7.61	3.14	6.65	0.00	2.53	2.66	5.05	0.32	0.00	3.90	2.85	3.80
6	76.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	81.17	0.81	542.	7.89	2.32	4.74	0.00	1.71	2.66	3.43	0.25	0.14	3.03	2.01	2.87
8	93.94	0.97	695.	7.64	3.08	6.88	0.00	2.43	2.48	4.82	0.36	0.51	4.07	2.66	2.83
9	85.32	1.02	721.	7.54	2.99	7.08	0.38	2.71	2.67	4.90	0.29	0.91	4.84	1.38	3.42
10	90.07	1.09	884.	7.47	2.91	7.15	0.09	3.15	3.05	5.12	0.31	0.14	6.14	3.30	2.24
11	86.34	1.18	834.	8.02	3.09	5.84	0.00	3.16	3.19	5.51	0.30	0.14	1.71	8.36	2.15
12	102.99	1.02	727.	7.83	2.70	5.24	0.00	3.31	2.34	4.53	0.47	0.01	2.19	6.06	2.39
1984	1023.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EB08 BAHR BAGAR BRIDGE YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 20 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	1.51	1015.	7.84	3.80	9.25	0.00	4.67	2.94	7.41	0.19	0.00	5.30	2.59	7.33
2	-	1.07	764.	7.98	3.01	6.76	0.00	2.78	2.94	5.09	0.31	0.00	4.11	3.95	3.46
3	-	0.94	619.	7.64	2.53	5.42	0.00	2.95	2.47	4.00	0.17	0.00	3.57	1.46	4.19
4	-	1.11	773.	7.36	3.18	6.95	0.00	3.13	2.99	5.38	0.25	0.00	3.63	3.95	3.77
5	-	1.09	742.	7.56	3.31	7.12	0.00	2.91	2.34	5.37	0.35	0.00	3.62	2.96	4.38
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	1.10	742.	7.57	2.89	6.73	0.00	2.10	3.81	4.97	0.16	0.00	4.86	1.46	4.72
8	-	1.04	699.	7.68	2.94	6.52	0.00	2.98	2.38	4.81	0.19	0.12	3.98	1.95	4.30
9	-	1.02	728.	7.52	2.91	6.95	0.46	3.25	2.21	4.81	0.19	0.51	5.42	0.95	3.56
10	-	1.11	820.	7.41	2.77	6.92	0.36	2.53	3.84	4.95	0.41	0.62	6.13	1.77	3.24
11	-	1.18	832.	7.97	3.24	6.23	0.00	2.61	3.39	5.71	0.46	0.10	1.92	7.99	2.34
12	-	1.02	784.	7.84	2.62	5.49	0.00	3.15	2.72	4.48	0.30	0.00	2.90	6.07	1.87
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EB09 BAHR BAGAR IRR PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H
Q - DISCHARGE IN M**3 PER SECOND
QO = 0.364 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = 0.000 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 0.364 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = -1.000 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	3.60	1.09	742.	7.80	2.98	6.75	0.00	3.75	1.97	5.03	0.18	0.00	4.33	1.85	4.73
2	2.37	1.12	747.	7.82	2.93	5.79	0.00	3.76	2.57	4.50	0.32	0.00	4.13	2.05	4.91
3	3.14	0.79	517.	7.90	1.63	3.50	0.00	2.67	2.27	2.56	0.16	0.00	3.53	0.78	3.32
4	3.77	0.68	452.	7.35	1.63	3.04	0.00	2.60	1.53	2.34	0.19	0.00	2.22	2.17	2.26
5	3.52	0.96	632.	7.56	3.68	7.32	0.00	2.31	1.81	5.29	0.18	0.00	3.11	3.02	3.41
6	3.36	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	4.14	1.09	725.	7.46	2.96	6.95	0.00	3.24	2.57	5.04	0.16	1.02	4.12	1.31	4.55
8	4.48	0.92	619.	7.60	2.63	5.71	0.00	2.88	1.96	4.09	0.18	0.16	3.79	1.37	3.78
9	3.84	0.98	688.	7.43	2.67	6.31	0.15	3.12	2.30	4.39	0.18	0.53	5.03	0.92	3.46
10	3.94	0.97	693.	7.42	2.35	5.60	0.00	1.71	3.92	3.95	0.38	0.22	5.29	1.44	3.02
11	4.09	0.73	477.	8.16	1.84	2.90	0.00	1.77	2.43	2.67	0.34	0.02	1.27	3.95	1.97
12	3.98	0.91	630.	7.83	2.19	4.37	0.00	3.01	2.20	3.54	0.48	0.00	2.90	4.10	2.63
1984	44.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EB10 BAHR BAQAR PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 , PUMP STATION , BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q			- DISCHARGE IN M**3 PER SECOND
QO	=	6.112	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B	=	0.000	- SLOPE OF CAPACITY CURVE
H			- SUCTION HEAD IN M
QCAP=		6.112	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =		1.670	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	23.08	5.76	3910.	7.97	14.55	37.50	0.00	9.95	7.95	43.52	0.43	0.07	5.12	21.82	34.87
2	8.03	9.59	6265.	8.14	18.88	52.27	0.00	16.25	13.18	72.43	0.61	0.17	6.20	24.03	72.07
3	13.11	5.24	3214.	7.96	11.59	29.31	0.00	9.57	8.27	34.62	0.42	0.04	4.41	9.92	38.50
4	16.94	4.65	2937.	7.97	9.81	22.82	0.00	8.91	9.22	29.55	0.49	0.05	2.72	13.75	31.64
5	13.75	5.04	3275.	8.01	11.06	29.17	0.00	7.42	11.29	33.82	0.45	0.00	5.50	14.19	33.24
6	10.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	12.61	6.90	4200.	7.82	12.96	34.99	0.00	9.79	14.50	45.16	0.64	0.00	5.60	11.04	53.44
8	19.16	5.18	3103.	7.98	10.73	26.78	0.00	7.97	10.66	32.76	0.47	0.28	3.69	8.93	38.97
9	17.87	6.53	4020.	7.78	12.57	33.90	0.00	12.04	11.31	42.95	0.59	1.14	4.52	12.05	49.17
10	17.73	6.22	4243.	7.72	11.88	32.98	0.00	7.49	17.95	42.38	0.73	0.30	6.12	22.95	39.18
11	14.76	6.44	4668.	8.19	13.80	32.37	0.00	9.45	14.69	47.94	0.60	0.10	2.52	42.88	27.10
12	23.70	4.87	3538.	8.06	12.42	30.15	0.00	7.84	9.20	36.24	0.62	0.02	3.68	32.57	17.61
1984	191.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EB11 BAHR BAQAR OUTFALL YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 15 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	2.65	1603.	7.77	8.31	19.44	0.00	4.12	4.27	17.01	0.26	0.00	4.50	3.19	18.09
2	-	2.37	1547.	7.73	5.52	13.35	0.00	4.59	6.39	12.94	0.45	0.00	4.16	7.28	12.97
3	-	1.91	1198.	7.88	4.37	10.45	0.00	3.25	6.08	9.45	0.24	0.00	4.23	4.06	10.73
4	-	1.92	1252.	7.14	5.08	11.69	0.00	4.51	4.15	10.58	0.23	0.00	3.71	5.92	9.84
5	-	1.57	1020.	7.42	5.32	11.40	0.00	3.47	2.53	9.22	0.39	0.00	3.44	4.16	8.00
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	1.94	1215.	7.17	4.39	11.18	0.00	4.46	5.01	9.56	0.30	1.09	4.90	2.44	10.85
10	-	1.84	1270.	7.10	4.43	11.50	0.00	4.02	5.23	9.53	0.50	0.79	6.06	4.36	8.02
11	-	2.24	1596.	7.58	6.42	13.88	0.00	4.20	5.29	13.98	0.53	0.12	2.58	15.21	6.06
12	-	1.45	1099.	7.43	4.55	10.56	0.00	3.31	3.48	8.38	0.58	0.03	4.51	8.13	3.07
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EB12 BATIKH CANAL YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 20 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	0.91	617.	7.69	2.59	5.66	0.00	2.95	1.93	4.05	0.10	0.00	4.00	1.37	3.61
2	-	0.62	439.	7.91	1.73	3.44	0.00	1.59	2.01	2.32	0.26	0.01	3.15	1.25	1.76
3	-	0.48	307.	8.40	1.29	2.25	0.00	1.61	1.22	1.54	0.16	0.20	2.03	0.64	1.61
4	-	0.49	328.	7.83	1.22	2.12	0.00	1.84	1.27	1.52	0.13	0.05	2.03	1.30	1.37
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	0.81	495.	8.02	2.89	5.41	0.00	1.49	2.12	3.88	0.13	0.00	2.65	0.62	4.35
8	-	0.78	492.	7.89	2.24	4.48	0.00	1.76	2.32	3.21	0.16	0.06	2.96	0.76	3.65
9	-	0.82	508.	7.73	1.14	2.50	0.00	2.41	3.40	1.95	0.17	0.23	3.06	0.89	3.69
10	-	0.74	532.	7.68	1.88	4.20	0.23	1.48	2.92	2.79	0.30	0.03	4.61	0.67	2.18
11	-	0.61	397.	8.37	1.34	2.06	0.00	1.45	2.41	1.86	0.26	0.00	1.24	3.37	1.38
12	-	0.73	498.	8.18	1.70	3.03	0.00	2.02	2.45	2.55	0.33	0.00	1.81	3.94	1.61
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : E84A BILBEIS SYPHON YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 20 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	1.57	1026.	7.64	4.54	10.93	0.00	3.69	3.15	8.39	0.24	0.00	5.52	1.63	8.36
2	-	1.06	725.	7.73	4.14	8.66	0.00	2.14	1.99	5.95	0.46	0.00	3.95	2.22	4.41
3	-	1.05	738.	7.94	2.96	6.74	0.00	3.29	2.22	4.91	0.28	0.04	4.55	2.11	4.00
4	-	1.17	844.	7.77	3.26	7.46	0.00	3.45	2.81	5.77	0.26	0.08	4.20	4.57	3.45
5	-	1.11	776.	7.87	3.72	8.12	0.00	3.12	2.00	5.95	0.24	0.00	4.04	3.17	4.07
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	1.06	749.	7.65	2.65	6.27	0.00	1.73	4.41	4.64	0.19	0.00	5.06	2.31	3.60
8	-	1.04	731.	7.70	2.86	6.87	0.00	2.71	2.91	4.79	0.27	0.21	4.46	2.37	3.63
9	-	1.05	754.	7.56	2.81	6.87	0.38	3.21	2.70	4.84	0.22	0.92	5.37	1.33	3.32
10	-	1.18	875.	7.43	2.68	6.87	0.37	2.74	4.27	5.01	0.59	0.97	6.41	2.04	3.15
11	-	1.23	885.	7.87	3.37	7.10	0.00	2.93	3.45	6.02	0.60	0.05	2.84	7.10	3.00
12	-	1.02	767.	7.83	2.70	5.86	0.00	3.07	2.67	4.58	0.61	0.00	3.45	5.41	2.08
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : E84B QALYUBEA SYPHON YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	1.46	985.	7.69	4.50	10.44	0.00	3.89	2.53	8.06	0.20	0.07	5.18	2.44	7.00
2	-	1.09	722.	7.91	2.70	6.04	0.00	3.62	2.15	4.59	0.40	0.06	3.91	1.75	5.00
3	-	1.02	688.	7.72	3.56	7.52	0.00	2.59	1.91	5.34	0.26	0.00	3.80	2.00	4.29
4	-	1.17	807.	7.66	2.69	5.57	0.00	3.65	3.28	5.00	0.24	0.00	2.49	6.03	3.62
5	-	1.07	724.	7.41	3.18	6.85	0.00	3.18	2.08	5.15	0.26	0.00	3.65	2.70	4.34
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	1.06	734.	7.58	2.82	6.57	0.00	1.37	4.55	4.85	0.14	0.09	4.75	2.19	3.84
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	1.01	707.	7.45	2.23	5.42	0.00	3.15	3.09	3.94	0.26	0.66	5.00	1.32	3.30
10	-	1.14	845.	7.38	2.67	6.74	0.26	3.05	3.63	4.88	0.52	0.58	6.36	1.65	3.46
11	-	1.13	799.	7.90	2.48	4.94	0.00	2.08	4.80	4.60	0.51	0.13	1.97	7.84	2.06
12	-	0.99	737.	7.79	2.02	4.38	0.00	3.11	3.37	3.64	0.54	0.01	3.06	5.85	1.73
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EF01 FARASQUR PS YEAR : 1984 CODE : 13
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	4.47	3641.	7.88	10.50	25.82	0.00	7.23	7.56	28.57	0.43	0.04	4.16	5.85	33.75
2	-	3.57	2296.	8.31	6.28	15.44	0.00	9.07	6.82	18.79	0.57	0.16	3.53	11.49	22.04
3	-	2.07	1286.	7.98	6.78	14.36	0.00	2.86	4.45	12.97	0.18	0.00	2.94	5.56	11.94
4	-	2.18	1349.	7.67	6.08	12.43	0.00	3.61	5.18	12.76	0.19	0.00	2.37	6.49	12.90
5	-	2.10	1348.	7.77	7.07	15.10	0.00	2.68	4.70	13.59	0.23	0.00	3.07	6.80	11.34
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	2.00	1199.	7.78	6.82	15.68	0.00	1.90	4.64	12.32	0.21	0.05	4.67	1.42	12.94
8	-	2.31	1412.	7.79	7.47	17.53	0.00	2.66	4.88	14.52	0.43	0.26	4.56	2.93	14.73
9	-	1.96	1200.	7.69	5.47	13.26	0.00	2.46	5.91	10.91	0.30	0.63	4.69	2.23	11.61
10	-	1.62	1082.	7.74	5.14	12.13	0.00	2.25	4.91	9.44	0.27	0.18	4.92	3.73	7.63
11	-	2.32	1524.	7.88	6.89	12.98	0.00	2.30	6.56	14.53	0.55	0.00	1.64	12.09	10.22
12	-	3.00	1836.	7.39	8.18	18.89	0.00	2.35	8.17	18.74	0.64	0.00	3.33	7.14	19.43
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EH02 HANUT PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 , PUMP STATION , BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q		- DISCHARGE IN M**3 PER SECOND
QO =	4.815	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B =	0.000	- SLOPE OF CAPACITY CURVE
H		- SUCTION HEAD IN M
QCAP=	4.815	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =	2.290	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	10.80	1.49	948.	7.64	4.04	9.34	0.00	3.52	3.44	7.54	0.12	0.00	4.30	2.26	8.11
2	6.88	1.59	1115.	7.63	4.43	10.55	0.00	3.95	3.67	8.63	0.36	0.05	4.75	5.35	6.52
3	23.96	0.96	623.	8.17	2.82	5.82	0.00	3.00	1.85	4.38	0.15	0.08	3.08	1.76	4.49
4	28.64	1.12	742.	7.80	3.02	5.81	0.00	3.02	2.95	5.22	0.17	0.00	2.06	5.04	4.26
5	25.20	1.11	744.	7.66	3.62	7.53	0.00	2.53	2.61	5.80	0.18	0.00	3.21	3.54	4.38
6	25.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	25.71	1.13	767.	7.83	3.85	8.74	0.08	2.09	2.87	6.07	0.24	0.05	4.99	1.21	5.02
8	24.56	1.20	809.	7.85	3.66	8.28	0.00	2.52	3.16	6.17	0.23	0.16	4.23	2.57	5.16
9	24.20	1.13	801.	7.69	2.95	7.13	0.00	2.80	3.41	5.20	0.17	0.04	3.66	1.76	4.14
10	19.78	1.14	826.	7.60	3.05	7.29	0.00	2.76	3.54	5.41	0.20	0.00	3.34	2.95	3.63
11	16.45	0.95	640.	8.42	2.70	4.55	0.00	1.62	3.50	4.32	0.25	0.03	1.40	6.09	2.17
12	6.69	1.39	981.	8.21	3.43	7.79	0.00	2.73	4.96	6.73	0.38	0.23	3.36	6.93	4.28
1984	237.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EH03 SADAQA PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 , PUMP STATION , BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q		- DISCHARGE IN M**3 PER SECOND
QO =	5.778	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B =	-0.616	- SLOPE OF CAPACITY CURVE
H		- SUCTION HEAD IN M
QCAP=	4.977	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =	1.300	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	8.94	1.98	1216.	7.90	4.97	11.95	0.00	3.70	5.04	10.38	0.19	0.00	4.65	2.57	12.07
2	1.65	5.65	3972.	7.67	13.74	39.44	0.00	8.02	10.86	42.21	0.86	0.19	10.02	18.29	33.33
3	9.40	1.71	1057.	8.03	5.06	11.20	0.00	3.79	3.18	9.44	0.25	0.19	3.39	3.14	9.93
4	10.07	2.14	1351.	7.84	6.44	12.72	0.00	4.55	3.62	13.01	0.29	0.00	2.06	7.36	12.05
5	9.34	1.97	1247.	7.94	6.07	12.76	0.00	3.89	3.66	11.80	0.31	0.00	2.74	5.99	10.91
6	9.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	10.95	3.38	2131.	8.16	14.66	31.63	0.00	2.81	3.89	26.82	0.15	0.06	3.89	9.14	20.56
8	13.17	1.99	1247.	8.01	6.22	14.21	0.00	3.19	4.33	12.03	0.18	0.23	3.88	4.22	11.33
9	15.35	1.72	1078.	7.86	4.61	11.12	0.00	3.17	4.56	9.06	0.13	0.41	4.67	2.29	9.54
10	13.47	1.75	1097.	7.97	4.99	11.68	0.00	3.37	3.98	9.58	0.22	0.11	4.42	2.57	10.05
11	9.41	1.88	1270.	8.42	4.61	9.27	0.00	3.94	5.51	10.01	0.33	0.07	1.87	10.50	7.36
12	12.77	1.48	923.	8.36	3.49	7.41	0.00	2.90	4.71	6.81	0.27	0.16	2.50	4.49	7.55
1984	124.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EH04 NIZAM BRIDGE YEAR : 1984 CODE : 21
MEASUREMENT POINT CODE: 21 , OPEN DRAIN , BASIC DATA: WATER LEVEL MEASUREMENTS

DISCHARGE RELATION : Q = A + B * HM

Q		- DISCHARGE IN M**3 PER SECOND
A =	38.535	- Q INTERCEPT FOR HM = 0
B =	-7.030	- SLOPE OF Q-HM RELATION
HM=		- DISTANCE TO WATERLEVEL FROM FIXED POINT
R2=	0.970	- CORRELATION COEFFICIENT

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 16 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	21.68	1.81	1233.	8.21	6.25	13.98	0.00	3.99	2.77	11.49	0.37	0.01	3.97	6.36	8.28
3	22.20	0.98	646.	7.97	3.08	6.39	0.00	2.61	2.10	4.73	0.22	0.05	3.25	2.08	4.27
4	15.87	1.00	636.	7.09	2.61	4.78	0.00	2.71	2.68	4.29	0.17	0.00	1.81	3.83	4.22
5	17.10	1.10	701.	7.41	3.54	6.98	0.00	2.32	2.63	5.57	0.22	0.00	2.62	3.14	4.96
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	21.65	0.83	562.	7.79	2.75	5.75	0.00	1.98	2.11	3.93	0.18	0.00	3.81	0.90	3.49
8	26.26	1.01	653.	7.85	3.66	7.55	0.00	1.59	2.66	5.34	0.26	0.20	3.35	1.78	4.52
9	29.56	1.12	722.	7.68	3.33	7.43	0.00	2.49	3.04	5.53	0.21	1.17	3.01	2.38	4.72
10	29.23	1.10	771.	7.67	3.61	8.18	0.00	2.06	3.26	5.89	0.15	0.29	4.36	2.93	3.77
11	23.90	1.10	738.	8.14	3.44	6.23	0.00	1.96	3.30	5.58	0.33	0.00	1.83	5.94	3.41
12	27.89	1.18	785.	7.95	3.94	8.05	0.00	2.29	2.86	6.32	0.33	0.00	3.00	3.97	4.87
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EH05 NIZAM PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H
Q - DISCHARGE IN M**3 PER SECOND
QO = 4.269 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = -0.618 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 3.478 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 1.280 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 16 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	18.07	1.65	1009.	7.80	4.69	10.99	0.00	3.24	3.74	8.75	0.16	0.00	3.91	2.04	10.00
2	3.44	3.36	2220.	7.71	6.18	17.11	0.00	7.54	9.19	17.86	0.42	0.00	7.34	7.84	19.92
3	18.10	1.09	697.	8.19	2.98	6.24	0.00	3.01	2.92	4.96	0.14	0.00	3.04	2.43	5.18
4	20.78	1.37	879.	7.69	3.18	6.30	0.00	3.11	4.37	6.15	0.22	0.00	2.01	5.72	6.11
5	23.33	1.18	762.	7.43	4.62	9.23	0.00	3.03	1.34	6.83	0.27	0.00	3.14	2.53	9.77
6	16.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	19.56	1.41	946.	7.69	4.91	11.35	0.00	2.66	2.95	8.23	0.24	0.00	5.21	2.03	6.85
8	22.15	1.40	906.	7.81	4.78	10.83	0.00	2.44	3.20	8.02	0.20	0.14	3.91	2.84	6.96
9	21.99	1.36	872.	7.61	4.02	9.24	0.00	2.67	3.67	7.16	0.15	0.90	3.96	2.75	6.40
10	20.81	1.29	879.	7.04	4.01	9.27	0.00	2.37	3.64	6.95	0.18	0.23	4.37	3.19	5.14
11	13.41	1.14	764.	8.30	3.35	6.02	0.00	2.11	3.58	5.65	0.30	0.00	1.69	6.45	3.50
12	14.81	1.21	796.	8.15	3.89	7.88	0.00	1.94	3.50	6.42	0.28	0.00	2.76	4.42	4.95
1984	212.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EH06 BANI EBEID PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H
Q - DISCHARGE IN M**3 PER SECOND
QO = 7.515 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = -1.241 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 5.045 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 1.990 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	25.05	2.51	1485.	7.16	5.73	13.62	0.00	4.98	5.78	13.28	0.23	0.07	3.81	3.33	17.09
2	6.40	5.55	3929.	7.96	7.38	21.53	0.00	13.74	15.58	28.24	0.61	0.23	7.53	11.75	38.41
3	21.98	1.58	943.	7.91	4.58	9.62	0.00	3.32	3.27	8.31	0.19	0.00	2.90	2.43	9.74
4	19.29	2.16	1326.	7.71	4.84	9.46	0.00	5.00	5.28	10.98	0.27	0.00	1.65	7.18	12.77
5	18.43	1.57	980.	7.88	4.60	9.64	0.00	3.45	3.23	8.40	0.28	0.00	2.84	3.94	8.60
6	21.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	33.55	2.42	1460.	7.54	6.37	13.73	0.00	4.14	5.21	13.77	0.26	0.06	5.28	1.93	16.10
8	39.77	1.57	927.	7.71	3.82	8.79	0.00	3.37	3.93	7.30	0.31	0.31	3.62	1.04	9.93
9	39.92	1.51	899.	7.63	3.59	8.49	0.00	3.26	4.22	6.94	0.19	1.01	3.84	1.18	8.82
10	37.22	1.63	1061.	7.64	4.27	10.07	0.00	2.92	4.96	8.48	0.15	0.26	4.14	4.11	8.00
11	24.86	1.99	1345.	8.19	4.55	9.08	0.00	4.02	6.39	10.37	0.33	0.00	1.77	11.27	9.08
12	29.28	1.71	1084.	8.12	4.30	9.17	0.00	3.57	4.60	8.69	0.28	0.00	2.65	5.58	8.91
1984	316.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EH07 ADD GASSABI PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H
Q - DISCHARGE IN M**3 PER SECOND
QO = 6.008 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = 0.000 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 6.008 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 2.240 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 17 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	19.96	2.64	1592.	7.83	7.05	16.96	0.00	5.53	4.27	15.60	0.22	0.07	4.48	3.25	17.82
2	6.79	3.21	2104.	7.56	7.38	19.86	0.00	7.20	6.19	19.11	0.34	0.18	6.34	7.36	19.13
3	23.29	2.13	1243.	7.99	5.65	12.28	0.00	3.76	4.71	11.63	0.23	0.00	2.93	3.15	14.23
4	21.61	2.93	1832.	7.98	9.68	18.94	0.00	4.55	4.31	20.37	0.25	0.00	2.00	9.20	18.27
5	19.03	2.35	1462.	7.81	5.96	13.53	0.00	5.16	4.68	13.22	0.31	0.00	3.27	5.88	14.21
6	21.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	30.63	2.24	1429.	7.61	6.20	13.44	0.00	4.13	4.73	13.04	0.34	0.03	5.78	3.24	13.17
8	35.98	1.87	1186.	7.67	4.87	11.76	0.00	4.13	4.16	9.92	0.33	0.21	4.70	2.98	10.60
9	36.62	2.28	1409.	7.58	5.30	13.40	0.00	4.88	5.43	12.02	0.21	0.84	4.78	3.76	13.15
10	31.06	1.87	1266.	7.59	4.92	12.42	0.00	3.67	5.09	10.30	0.20	0.24	5.86	4.39	8.78
11	19.03	2.09	1406.	8.20	4.93	9.43	0.00	4.00	6.49	11.29	0.32	0.00	1.53	12.19	8.38
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EH08 MAIN GASSABI PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION:
2 UNITS: Q = 5.340 - 0.242 * H; QCAP = 4.791; HAV = 2.27
1 UNITS: Q = 8.190 - 0.584 * H; QCAP = 6.864; HAV = 2.27
Q - DISCHARGE IN M**3 PER SECOND
H - SUCTION HEAD IN M
QCAP - AVERAGE PUMP UNIT CAPACITY IN M**3 PER SECOND
HAV - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 13 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	16.87	5.12	3020.	7.91	11.99	29.99	0.00	7.75	8.13	33.78	0.60	0.07	4.45	6.01	39.63
2	9.19	8.04	5216.	8.04	12.67	35.62	0.00	15.83	17.84	51.97	0.54	0.20	5.87	21.52	58.43
3	16.92	3.11	1903.	8.09	7.81	17.96	0.00	6.49	8.24	18.93	0.24	0.00	3.25	6.94	20.71
4	17.35	3.83	2399.	8.11	8.02	17.34	0.00	7.47	8.81	22.89	0.31	0.00	2.05	12.17	25.25
5	15.06	4.36	2899.	7.73	7.80	19.55	0.00	9.01	12.31	25.48	0.24	0.00	3.57	17.12	26.36
6	19.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	29.21	3.81	2629.	7.77	9.25	23.45	0.00	5.74	9.60	25.61	0.41	0.00	4.76	16.43	20.15
8	29.84	3.83	2399.	7.83	9.34	23.01	0.00	5.51	8.41	24.64	0.42	0.14	4.16	9.30	25.36
9	32.08	3.62	2174.	7.81	8.47	21.03	0.00	5.66	7.94	22.10	0.31	0.82	3.66	6.38	25.13
10	26.44	3.33	2217.	7.75	8.29	21.35	0.00	5.58	7.59	21.29	0.91	0.25	5.37	10.27	19.07
11	17.81	3.94	2463.	7.97	7.88	16.43	0.00	5.99	9.96	22.25	0.48	0.00	1.79	21.95	14.95
12	17.19	3.00	1929.	7.59	6.88	15.78	0.00	8.25	7.81	17.59	0.42	0.00	2.95	10.51	17.60
1984	243.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EH09 QENEENA PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H
Q - DISCHARGE IN M**3 PER SECOND
QO = 6.630 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = -0.843 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 5.231 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 1.660 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 16 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	14.07	1.75	1123.	7.08	4.71	10.86	0.00	4.25	3.70	9.39	0.14	0.00	3.94	4.16	9.35
2	4.83	2.85	2064.	7.36	6.27	16.86	0.00	8.06	6.09	16.67	0.44	0.00	6.76	11.78	12.73
3	17.72	0.98	618.	8.00	3.37	6.63	0.00	2.37	1.93	4.93	0.19	0.04	2.88	1.54	4.96
4	11.96	1.32	805.	7.43	4.36	7.75	0.00	2.65	2.71	7.14	0.26	0.10	1.64	4.06	6.96
5	12.53	1.17	752.	7.90	3.26	6.95	0.00	2.73	2.89	5.46	0.38	0.00	3.32	2.90	5.64
6	18.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	25.94	1.13	786.	7.55	3.45	7.94	0.00	2.81	2.58	5.66	0.39	0.08	4.93	1.89	4.50
8	41.08	0.85	525.	7.84	2.46	4.73	0.00	2.03	2.08	3.53	0.45	0.21	2.38	1.37	4.04
9	26.82	1.05	685.	7.50	2.79	6.42	0.00	2.70	2.79	4.61	0.34	0.58	4.23	0.60	4.92
10	22.02	1.10	746.	7.55	3.57	7.99	0.00	3.23	2.90	5.71	0.21	0.16	4.39	1.95	4.54
11	13.73	1.40	924.	7.95	4.48	7.82	0.00	1.99	4.06	7.79	0.38	0.00	1.53	7.80	4.89
12	15.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	225.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EH10 ERAD PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H
Q - DISCHARGE IN M**3 PER SECOND
QO = 12.424 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = -1.525 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 7.864 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 2.990 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	42.40	3.14	1825.	7.82	6.69	16.21	0.00	6.36	6.62	17.04	0.27	0.07	3.83	3.47	22.92
2	14.18	4.83	3110.	8.23	8.12	22.32	0.00	11.39	11.37	27.38	0.47	0.20	5.82	12.36	32.21
3	41.68	1.77	1060.	8.14	4.44	9.91	0.00	3.11	4.91	8.89	0.21	0.10	3.20	3.05	10.74
4	38.57	2.47	1491.	7.82	5.89	12.12	0.00	5.43	5.22	13.59	0.22	0.13	1.90	6.71	15.71
5	38.51	2.19	1397.	8.00	6.95	14.67	0.00	3.85	4.04	13.81	0.32	0.00	2.77	7.05	12.23
6	45.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	63.72	2.30	1515.	7.92	6.93	16.63	0.00	3.77	4.92	14.45	0.33	0.00	4.85	6.33	12.28
8	79.95	1.99	1249.	8.02	5.88	13.47	0.00	3.68	4.12	11.61	0.29	0.12	3.88	4.10	11.58
9	71.71	1.98	1222.	7.89	5.22	12.59	0.00	3.89	4.67	10.80	0.22	0.82	4.00	3.17	11.56
10	55.06	2.14	1420.	7.87	5.63	13.83	0.00	3.83	5.72	12.30	0.24	0.27	4.73	6.29	10.80
11	42.22	2.34	1568.	8.40	5.90	11.58	0.00	3.53	7.14	13.63	0.42	0.00	1.69	12.85	10.17
12	42.74	2.42	1619.	8.24	5.90	13.07	0.00	3.68	6.89	13.57	0.38	0.00	2.79	7.56	14.17
1984	572.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EH11 BAHR HADUS BRIDGE YEAR : 1984 CODE : 22
MEASUREMENT POINT CODE: 22 ; OPEN DRAIN ; BASIC DATA: WATER LEVEL MEASUREMENTS

DISCHARGE RELATION: Q=A*(HR-HM)**B
Q - DISCHARGE IN M**3 PER SECOND
A = 109.730 - DISCHARGE COEFFICIENT
HR= 3.000 - DATUM HM VALUE IN M FOR ZERO DISCHARGE
HM - DISTANCE BETWEEN REF. POINT AND WATERLEVEL IN M
B = 1.380 - DISCHARGE EXPONENT
R2= 0.950 - CORRELATION COEFFICIENT

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 10 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	130.89	2.27	1378.	7.75	6.55	15.31	0.00	3.77	4.63	13.44	0.21	0.08	4.19	3.33	14.44
2	132.60	2.77	1775.	8.40	5.63	13.61	0.00	7.17	6.30	14.62	0.38	0.19	3.91	8.55	16.23
3	124.44	1.79	1101.	8.14	4.47	10.26	0.00	3.80	4.43	9.07	0.23	0.09	3.63	3.26	10.53
4	98.03	2.24	1284.	7.76	5.37	10.88	0.00	4.97	4.84	11.64	0.30	0.10	1.93	3.89	15.43
5	97.99	1.56	978.	7.85	4.78	10.48	0.00	3.24	3.07	8.50	0.39	0.00	3.63	2.74	8.82
6	97.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	145.41	2.32	1387.	7.82	6.58	15.75	0.00	3.49	5.00	13.56	0.24	0.06	4.75	2.01	15.46
8	197.53	1.85	1149.	7.62	5.58	12.71	0.00	2.82	4.45	10.64	0.28	0.29	3.75	3.63	10.48
9	208.75	1.69	1043.	7.06	4.54	10.98	0.00	2.63	4.84	8.79	0.20	0.86	4.41	2.48	8.69
10	193.87	1.64	1103.	7.45	4.72	11.37	0.00	2.61	4.88	9.13	0.21	0.22	4.99	4.07	7.53
11	150.98	1.70	1154.	7.65	4.16	8.44	0.00	3.20	5.67	8.77	0.32	0.00	2.04	9.36	6.58
12	193.70	1.62	1031.	7.30	4.10	8.95	0.00	2.53	5.31	8.12	0.30	0.00	3.00	5.07	8.19
1984	1791.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EH12 SAFT PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H
Q - DISCHARGE IN M**3 PER SECOND
QO = 8.558 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = -0.764 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 6.640 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 1.990 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	44.09	3.44	2131.	8.06	11.47	26.97	0.00	4.83	4.39	24.63	0.24	0.07	4.50	6.27	23.37
2	13.11	6.33	4034.	7.76	13.99	37.96	0.00	10.07	10.46	44.84	0.49	0.81	5.69	14.02	45.46
3	41.22	2.29	1433.	7.49	6.13	13.71	0.00	4.60	4.79	13.29	0.22	0.01	3.14	6.16	13.59
4	46.49	2.33	1438.	7.75	5.43	10.99	0.00	5.03	5.55	12.50	0.27	0.00	1.89	7.61	13.86
5	46.60	2.39	1481.	7.87	6.73	14.86	0.00	4.34	4.70	14.31	0.39	0.00	3.09	6.06	14.54
6	33.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	91.03	3.12	2128.	7.96	7.96	20.17	0.00	4.82	8.07	20.20	0.27	0.11	5.09	11.78	16.42
8	60.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	98.79	2.48	1436.	7.43	3.15	8.34	0.00	9.61	9.66	8.70	0.20	0.60	4.76	1.97	16.80
10	64.31	1.96	1187.	7.60	4.38	10.94	0.00	3.20	5.86	9.33	0.17	0.12	5.37	2.88	10.17
11	44.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	57.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1984	561.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EH13 BAHR HADUS OUTFALL YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 15 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	3.13	1850.	7.85	7.80	18.90	0.00	5.44	6.00	18.65	0.22	0.04	4.29	3.69	22.34
2	-	3.29	2045.	8.24	7.12	17.31	0.00	5.85	8.25	18.91	0.38	0.22	3.88	8.34	21.26
3	-	1.97	1186.	8.17	5.36	11.71	0.00	4.21	3.86	10.76	0.25	0.05	3.02	3.57	12.44
4	-	2.23	1351.	7.96	5.35	10.93	0.00	4.86	5.01	11.88	0.27	0.00	2.04	6.15	13.83
5	-	1.84	1160.	8.02	5.90	12.93	0.00	3.18	3.79	10.99	0.27	0.00	3.91	4.30	10.37
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	1.53	951.	8.00	3.71	8.49	0.00	2.77	4.78	7.21	0.26	0.15	3.67	2.88	8.32
9	-	1.61	1007.	7.90	4.05	9.78	0.00	3.71	4.08	7.99	0.19	0.97	4.05	2.43	8.45
10	-	1.95	1268.	7.78	4.52	11.41	0.00	3.89	5.76	9.90	0.23	0.23	5.43	3.79	10.26
11	-	1.85	1251.	8.33	4.57	8.85	0.00	4.12	5.16	9.85	0.34	0.00	1.69	10.96	7.22
12	-	1.75	1118.	8.07	4.49	9.72	0.00	3.55	4.64	9.09	0.31	0.00	2.63	5.80	8.97
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EH16 ARIN DRAIN YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	1.13	747.	8.18	3.53	7.79	0.00	2.56	2.79	5.76	0.12	0.14	3.96	1.97	5.20
2	-	1.11	752.	8.50	3.28	6.88	0.00	3.68	1.80	5.42	0.31	0.13	3.00	3.79	4.26
3	-	1.04	674.	7.84	2.93	6.17	0.00	2.47	2.81	4.77	0.21	0.07	3.15	2.47	4.53
4	-	1.05	704.	7.42	3.23	6.87	0.00	2.74	2.44	5.20	0.22	0.13	2.71	3.81	3.93
5	-	0.73	517.	7.79	2.66	5.16	0.00	2.16	1.41	3.55	0.24	0.00	3.04	2.13	2.22
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	1.01	683.	7.93	3.75	7.77	0.00	1.70	2.65	5.53	0.24	0.09	3.49	2.74	3.78
8	-	0.95	671.	7.87	2.70	5.72	0.00	3.16	2.10	4.38	0.26	0.39	2.90	4.00	2.56
9	-	1.19	801.	7.60	2.95	7.04	0.00	3.54	3.00	5.33	0.23	0.66	4.49	1.96	4.92
10	-	0.90	643.	7.59	1.72	4.11	0.00	2.05	3.85	2.95	0.35	0.07	5.27	1.14	2.71
11	-	1.03	723.	8.14	3.37	6.29	0.00	1.83	3.12	5.31	0.36	0.00	2.10	6.51	2.00
12	-	0.89	664.	7.94	3.04	6.25	0.00	1.90	2.56	4.54	0.41	0.00	3.30	4.50	1.61
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EI01 BAHR FAQUS AT FAQUS YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	0.94	630.	7.46	2.25	4.99	0.00	2.91	2.53	3.71	0.17	0.00	3.89	1.28	4.23
2	-	0.55	386.	7.62	1.28	2.39	0.00	2.17	1.39	1.70	0.19	0.00	2.49	1.66	1.35
3	-	0.53	356.	7.83	1.87	3.20	0.00	1.77	0.98	2.19	0.16	0.00	2.23	1.10	1.79
4	-	0.61	408.	7.59	1.63	2.86	0.00	1.67	2.02	2.21	0.13	0.00	1.95	2.46	1.61
5	-	0.51	351.	7.50	1.41	2.42	0.00	1.91	1.19	1.76	0.16	0.00	2.02	1.78	1.22
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	0.52	350.	7.68	1.06	2.02	0.00	1.52	1.90	1.38	0.19	0.00	2.70	0.93	1.35
8	-	0.49	353.	7.67	1.18	2.25	0.00	1.44	1.67	1.47	0.30	0.10	2.83	1.28	0.67
9	-	0.59	415.	7.48	1.45	3.07	0.40	1.80	1.85	1.96	0.22	0.38	3.67	0.32	1.45
10	-	0.70	508.	7.44	1.60	3.50	0.00	1.73	2.72	2.38	0.32	0.04	4.13	1.19	1.77
11	-	0.64	431.	8.03	1.50	2.32	0.00	1.57	2.40	2.11	0.33	0.00	1.26	3.92	1.23
12	-	0.60	407.	7.84	1.08	1.92	0.00	1.76	2.20	1.51	0.46	0.00	1.89	2.71	1.32
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EI02 ISMAILIA CANAL YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	0.37	259.	7.90	0.91	1.57	0.02	1.53	0.87	0.99	0.09	0.03	2.39	0.50	0.58
2	-	0.37	245.	8.26	0.77	1.25	0.00	1.38	1.06	0.86	0.15	0.03	1.89	0.75	0.76
3	-	0.36	234.	7.87	0.66	1.08	0.00	1.38	1.06	0.73	0.12	0.00	1.96	0.41	0.93
4	-	0.42	275.	7.63	0.95	1.56	0.00	1.50	1.22	1.11	0.11	0.00	1.88	1.05	1.02
5	-	0.40	264.	7.77	0.92	1.47	0.00	1.43	1.15	1.04	0.16	0.00	1.82	0.98	0.93
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	0.38	234.	8.10	0.61	0.91	0.00	1.48	1.02	0.68	0.24	0.00	1.49	0.62	1.32
9	-	0.41	265.	7.88	0.77	1.31	0.00	1.10	1.65	0.90	0.17	0.00	2.10	0.51	1.20
10	-	0.46	292.	7.82	0.64	1.15	0.00	1.30	1.96	0.82	0.18	0.00	2.18	0.72	1.36
11	-	0.45	285.	7.90	0.90	1.15	0.00	0.85	2.08	1.08	0.25	0.00	0.95	2.60	0.71
12	-	0.43	307.	7.65	1.24	1.88	0.00	1.23	1.34	1.41	0.30	0.00	1.56	2.40	0.31
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : E103 BAHR MOIIS BEF MIX YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 16 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	0.94	362.	7.87	0.91	1.88	0.00	2.41	1.43	1.26	0.12	0.04	3.14	0.34	1.91
2	-	0.62	419.	8.45	1.15	2.41	0.00	2.21	2.03	1.67	0.16	0.21	3.23	0.65	2.01
3	-	0.39	273.	8.22	0.90	1.89	0.00	1.36	1.20	1.01	0.19	0.14	2.38	0.64	0.56
4	-	0.42	288.	8.04	1.14	1.94	0.00	1.53	1.00	1.28	0.19	0.00	2.26	0.75	0.99
5	-	0.39	261.	8.37	1.89	2.63	0.15	1.11	0.60	1.72	0.23	0.00	1.87	0.46	1.33
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	0.41	258.	8.42	1.01	1.64	0.00	1.17	1.36	1.14	0.09	0.00	1.92	0.43	1.41
8	-	0.42	251.	8.57	0.90	1.38	0.00	0.89	1.76	1.03	0.13	0.00	1.87	0.64	1.60
9	-	0.41	258.	8.35	0.90	0.88	0.00	0.94	2.00	0.60	0.20	0.00	2.26	0.27	1.21
10	-	0.47	319.	8.35	0.25	0.44	0.00	1.32	1.65	0.30	1.15	0.00	2.05	0.91	1.47
11	-	0.42	271.	8.65	0.76	1.08	0.00	0.98	1.81	0.90	0.32	0.00	1.20	1.84	0.97
12	-	0.45	301.	8.30	1.01	1.79	0.00	1.21	1.65	1.20	0.22	0.00	2.19	1.01	1.08
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : E104 BAHR MOIIS AFT MIX YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 14 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	1.19	791.	7.91	3.97	8.78	0.00	2.68	2.54	6.41	0.17	0.00	4.24	1.97	5.62
2	-	1.63	1111.	8.20	5.55	11.93	0.00	3.32	3.26	10.07	0.17	0.00	3.30	6.92	6.61
3	-	0.75	486.	8.14	1.96	3.91	0.00	2.02	2.25	2.97	0.15	0.04	2.81	1.39	3.03
4	-	1.03	671.	7.77	3.67	6.58	0.00	2.65	1.88	5.53	0.11	0.00	1.93	4.24	4.00
5	-	0.88	572.	8.01	2.49	4.82	0.00	2.42	2.25	3.80	0.18	0.00	2.45	2.61	3.60
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	0.72	465.	8.04	2.15	4.20	0.00	1.04	2.80	2.98	0.18	0.00	2.86	1.11	3.03
8	-	0.78	500.	7.96	2.15	4.40	0.00	1.70	2.41	3.08	0.30	0.07	3.29	0.42	3.71
9	-	0.93	636.	7.74	2.60	5.89	0.00	2.39	2.65	4.13	0.19	0.45	4.22	1.31	3.37
10	-	0.94	644.	7.70	2.65	6.05	0.00	1.74	3.48	4.28	0.13	0.11	4.64	1.91	2.97
11	-	0.66	443.	8.34	1.28	2.18	0.00	2.11	2.32	1.90	0.25	0.00	1.55	3.61	1.43
12	-	0.51	351.	8.24	1.14	2.08	0.00	1.93	1.79	1.47	0.23	0.00	2.33	1.47	1.22
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : EM01 MATAREYA PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q			- DISCHARGE IN M**3 PER SECOND
QO	=	9.408	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B	=	-0.431	- SLOPE OF CAPACITY CURVE
H			- SUCTION HEAD IN M
QCAP=		6.431	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =		2.730	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 17 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	22.19	6.29	3879.	7.91	13.77	34.90	0.00	9.60	10.21	43.35	0.86	0.00	4.37	12.05	47.63
2	11.83	5.72	3671.	8.13	10.23	24.96	0.00	10.97	12.84	35.31	1.00	0.02	4.68	15.89	39.87
3	18.24	4.66	2884.	7.90	12.44	28.89	0.00	4.85	9.13	32.88	0.48	0.11	3.32	11.20	32.86
4	18.36	5.63	3635.	7.69	13.46	31.33	0.00	8.52	12.91	40.87	0.28	0.05	2.89	18.62	38.06
5	16.87	5.08	3227.	7.83	12.80	30.91	0.00	5.73	10.65	38.77	0.49	0.00	4.19	13.84	34.92
6	17.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	21.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	24.04	4.98	3167.	8.00	14.13	33.67	0.00	2.99	10.94	37.28	0.44	0.08	3.81	14.25	33.33
9	24.97	5.73	3591.	7.80	12.99	33.74	0.00	4.47	14.09	39.97	0.72	0.57	4.41	12.39	41.19
10	26.62	6.02	4046.	7.83	14.02	36.30	0.00	4.89	14.98	44.18	1.10	0.67	4.29	23.37	36.81
11	23.38	5.92	3801.	8.17	11.64	29.66	0.00	4.83	16.62	38.12	1.17	0.00	2.05	29.92	28.78
12	29.80	5.57	3503.	7.96	12.14	28.94	0.00	4.69	14.56	37.67	1.02	0.00	3.13	19.40	39.41
1984	230.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : ES01 UPPER SERUA PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 / PUMP STATION / BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q		- DISCHARGE IN M**3 PER SECOND
QO =	17.740	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B =	-1.944	- SLOPE OF CAPACITY CURVE
H		- SUCTION HEAD IN M
QCAP=	10.625	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =	3.660	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 15 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	BAR	ADJ BAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	19.04	0.99	659.	7.91	3.08	6.52	0.00	3.00	1.73	4.74	0.24	0.00	3.61	1.64	4.55
2	5.84	1.52	1017.	7.81	4.06	9.76	0.00	3.48	3.75	7.73	0.34	0.00	5.13	2.84	7.36
3	22.66	0.74	476.	8.14	2.55	4.90	0.00	2.08	1.41	3.37	0.23	0.15	2.78	0.81	3.31
4	17.67	0.76	496.	7.42	2.03	3.60	0.00	2.56	1.74	2.97	0.20	0.05	1.81	2.94	2.67
5	19.10	0.75	500.	7.66	2.20	4.11	0.00	2.41	1.73	3.16	0.15	0.00	2.30	2.54	2.54
6	21.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	25.09	0.87	598.	7.70	2.71	5.78	0.00	1.83	2.62	4.04	0.26	0.12	3.74	1.68	3.21
8	31.94	0.76	475.	7.75	1.94	3.93	0.00	1.69	2.56	2.82	0.26	0.43	2.64	0.86	3.37
9	27.44	0.82	524.	7.58	2.08	4.57	0.00	2.14	2.55	3.18	0.19	0.92	3.25	0.53	3.33
10	26.39	0.72	500.	7.67	2.06	4.38	0.00	1.57	2.84	2.95	0.18	0.21	3.72	0.96	2.35
11	21.08	0.72	465.	8.29	1.71	2.79	0.00	1.45	2.88	2.51	0.25	0.00	1.41	3.67	2.01
12	23.32	0.76	491.	8.15	2.07	3.84	0.00	1.75	2.42	2.99	0.27	0.00	2.21	2.24	2.96
1984	260.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : ES02 LOWER SERUA PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 / PUMP STATION / BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q		- DISCHARGE IN M**3 PER SECOND
QO =	11.165	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B =	-1.188	- SLOPE OF CAPACITY CURVE
H		- SUCTION HEAD IN M
QCAP=	8.587	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =	2.170	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 14 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	BAR	ADJ BAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	40.24	1.93	1117.	6.93	5.15	11.42	0.00	3.66	4.21	10.21	0.13	0.00	3.33	1.78	13.09
2	15.93	2.23	1401.	7.08	5.72	13.43	0.00	4.47	5.00	12.45	0.29	0.00	3.95	5.20	13.06
3	51.82	0.87	553.	8.12	2.79	5.51	0.00	1.60	2.65	4.06	0.13	0.06	2.83	1.54	4.01
4	44.07	1.53	954.	7.42	4.50	9.35	0.00	3.23	3.41	8.20	0.21	0.13	2.61	4.24	8.05
5	58.20	1.34	852.	7.66	4.80	9.94	0.00	2.57	2.95	7.68	0.25	0.00	3.26	2.99	6.80
6	63.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	72.17	1.43	877.	7.65	5.09	10.98	0.00	1.97	3.23	8.21	0.24	0.00	3.93	1.32	8.40
8	71.58	1.45	863.	7.62	4.88	10.61	0.00	1.91	3.48	8.02	0.24	0.08	3.85	0.61	9.10
9	68.69	1.39	857.	7.49	4.24	9.70	0.00	1.96	4.01	7.33	0.20	0.52	4.06	1.13	7.76
10	53.23	1.42	948.	7.54	4.41	10.14	0.00	2.41	3.94	7.85	0.19	0.17	4.37	3.49	6.35
11	49.48	1.25	819.	7.85	3.43	5.94	0.00	2.18	4.09	6.08	0.35	0.00	1.41	6.81	4.48
12	40.42	1.47	935.	7.39	3.99	8.41	0.00	2.24	4.63	7.39	0.37	0.00	2.81	4.70	7.13
1984	628.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-

3.2.2. M i d d l e D e l t a

LOCATION : M101 UPPER PS NO 1 YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: G=GO+B*H
G - DISCHARGE IN M**3 PER SECOND
GO = 6.490 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = -0.330 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
GCAP= 5.754 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 2.230 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 16 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	6.36	1.14	791.	7.71	5.22	10.87	0.21	2.49	1.47	7.34	0.12	0.00	4.17	2.78	4.56
2	1.48	3.55	2338.	8.13	12.30	32.34	0.00	4.47	5.20	27.05	0.50	3.17	5.57	8.45	19.88
3	10.51	1.01	611.	8.15	4.32	8.64	0.00	1.92	1.79	5.89	0.18	1.51	2.03	1.55	4.65
4	9.41	1.07	627.	7.47	4.49	7.95	0.00	1.73	1.92	6.06	0.17	0.03	2.23	1.34	6.25
5	5.27	0.94	589.	8.27	2.86	5.49	0.00	1.98	2.55	4.31	0.27	0.12	2.32	2.37	4.24
6	7.57	1.26	882.	8.14	5.65	12.42	0.77	2.27	2.04	8.30	0.16	0.00	5.08	2.66	5.02
7	12.35	0.89	618.	8.15	4.18	8.68	1.35	1.57	1.71	5.36	0.15	0.00	4.63	0.51	3.65
8	6.41	0.68	486.	8.31	3.10	6.13	1.19	1.19	1.72	3.71	0.22	0.04	3.98	0.41	2.37
9	3.74	1.06	748.	8.07	5.18	11.31	2.10	0.87	2.73	6.95	0.29	0.62	5.07	1.29	3.86
10	2.96	0.53	368.	7.98	1.06	1.97	0.00	1.02	2.08	1.32	0.75	0.05	2.57	1.03	1.54
11	2.09	1.11	758.	8.73	3.62	6.33	0.00	2.75	2.35	5.78	0.39	0.06	1.61	6.92	2.67
12	3.90	0.98	686.	8.40	4.36	7.41	0.00	2.06	1.58	5.89	0.34	0.06	2.08	5.93	1.80
1984	72.04	1.04	687.	8.02	4.48	9.13	0.00	1.85	1.98	6.19	0.23	0.34	3.45	2.03	4.42

LOCATION : M102 BRIDGE DRAIN NO 1 YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 16 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	1.31	864.	8.09	9.66	11.90	0.00	1.57	2.92	8.48	0.13	0.19	3.79	3.28	5.74
2	-	2.13	1377.	7.78	14.17	25.89	0.41	1.20	1.85	17.48	0.21	0.00	3.45	7.67	9.65
3	-	1.26	845.	7.60	7.66	14.02	0.36	1.34	1.60	9.30	0.22	0.00	3.30	4.23	4.86
4	-	1.17	786.	7.27	4.78	9.96	0.00	2.11	2.28	7.08	0.22	0.07	3.71	2.92	4.97
5	-	1.00	663.	8.11	9.19	8.71	0.00	1.58	1.52	6.48	0.25	0.19	2.04	4.67	2.88
6	-	1.20	761.	8.24	6.15	10.09	0.00	1.63	1.73	7.97	0.20	0.00	1.96	4.41	5.21
7	-	1.31	850.	8.00	6.94	13.18	0.00	1.87	1.91	9.19	0.26	0.30	2.97	3.33	6.33
8	-	1.22	824.	7.85	7.18	14.76	1.92	1.19	1.96	9.01	0.29	1.92	3.55	2.86	4.48
9	-	1.16	793.	7.93	7.05	15.04	3.27	0.89	2.13	8.66	0.28	2.13	4.18	1.69	3.98
10	-	0.87	594.	8.51	3.93	7.36	0.00	1.17	2.10	5.02	0.37	0.08	2.89	2.89	2.82
11	-	0.69	455.	8.38	2.58	3.63	0.00	1.57	1.61	3.25	0.26	0.00	1.18	3.96	1.59
12	-	1.08	758.	8.04	5.44	10.26	0.00	1.73	1.74	7.16	0.38	0.89	2.22	6.32	1.66
1984	-	1.19	799.	7.85	6.30	12.05	0.00	1.46	1.95	8.22	0.26	0.44	2.94	4.00	4.49

LOCATION : M103 LOWER PS NO 1 YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION:
2 UNITS: Q = 1.900 - 0.000 * H; QCAP = 1.900; HAV = 1.68
3 UNITS: Q = 4.340 - 0.000 * H; QCAP = 4.340; HAV = 1.68
3 UNITS: Q = 8.640 - 0.000 * H; QCAP = 8.640; HAV = 1.68
3 UNITS: Q = 13.010 - 1.330 * H; QCAP = 10.776; HAV = 1.68
Q - DISCHARGE IN M**3 PER SECOND
H - SUCTION HEAD IN M
QCAP - AVERAGE PUMP UNIT CAPACITY IN M**3 PER SECOND
HAV - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 10 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	64.33	2.63	1640.	8.54	7.75	18.73	0.00	2.16	7.19	16.71	0.23	0.07	4.86	5.08	16.24
2	29.96	6.15	3847.	8.68	15.48	39.06	0.00	3.94	13.32	45.49	0.65	0.96	4.68	13.99	44.51
3	71.23	3.91	2075.	8.56	10.34	22.84	0.00	3.58	6.82	23.57	0.37	0.09	2.98	6.08	28.12
4	77.45	4.68	2833.	8.53	11.87	24.72	0.00	4.96	10.12	32.17	0.30	0.13	2.62	10.61	33.74
5	82.22	1.64	992.	8.93	5.14	10.17	0.00	2.73	3.78	9.38	0.19	0.27	2.04	4.39	9.24
6	79.96	1.75	1061.	8.79	6.17	13.29	0.00	2.23	3.82	10.73	0.18	0.39	3.21	2.97	10.34
7	101.42	1.55	976.	8.72	5.98	13.04	0.00	2.17	3.19	9.78	0.18	0.23	3.93	3.31	7.81
8	100.30	1.67	1078.	8.60	5.77	13.25	0.00	2.77	3.30	10.06	0.35	0.04	4.80	2.91	9.11
9	109.32	2.42	1466.	8.46	7.24	17.51	0.00	1.93	6.31	14.89	0.38	0.00	4.93	2.71	15.84
10	83.62	3.02	1868.	8.24	8.65	19.40	0.00	2.23	7.91	19.47	0.69	0.00	3.22	7.76	19.31
11	71.76	2.53	1500.	9.13	6.38	11.38	0.00	2.40	7.39	14.99	0.57	0.00	1.18	7.33	14.41
12	61.36	1.76	1210.	8.95	5.01	9.94	0.00	3.19	4.82	10.01	0.47	0.00	2.04	10.64	5.77
1984	928.94	2.56	1567.	8.60	7.79	17.50	0.00	2.71	5.98	16.24	0.36	0.11	3.41	5.71	16.03

LOCATION : M104 PS NO 2 YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q			- DISCHARGE IN M**3 PER SECOND
QO	=	9.860	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B	=	-0.970	- SLOPE OF CAPACITY CURVE
H			- SUCTION HEAD IN M
QCAP=		7.416	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =		2.520	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 15 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	28.96	1.84	1132.	8.64	5.89	12.86	0.00	3.59	3.29	10.92	0.13	0.29	3.17	3.74	10.78
2	9.38	4.31	2636.	7.72	8.03	21.61	0.00	6.66	11.94	24.50	0.40	0.07	5.84	7.23	30.31
3	32.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	31.18	1.86	1169.	8.29	5.66	12.24	0.00	3.28	4.00	10.79	0.33	0.00	3.18	4.66	10.63
5	27.00	2.07	1295.	8.51	7.89	15.55	0.00	2.53	3.71	13.94	0.34	0.16	2.33	6.27	11.79
6	27.52	2.10	1317.	8.36	7.77	16.92	0.00	3.15	3.35	14.02	0.25	0.36	3.36	4.87	12.20
7	43.32	1.63	1025.	8.28	5.79	12.73	0.00	3.03	2.88	9.96	0.15	0.44	3.54	3.10	8.93
8	42.54	2.38	1440.	8.20	8.14	18.71	0.00	2.74	4.59	15.58	0.25	0.53	3.97	3.52	15.11
9	39.89	2.54	1554.	8.07	8.17	19.58	0.00	1.76	6.34	16.43	0.32	0.11	5.13	3.27	16.34
10	31.63	2.38	1496.	8.08	7.00	15.42	0.00	1.89	6.91	14.67	0.53	0.06	3.08	7.02	13.83
11	24.76	2.73	1718.	8.87	7.75	12.98	0.00	2.97	6.98	17.29	0.60	0.13	0.96	11.38	15.37
12	30.59	1.83	1274.	8.82	5.81	11.40	0.00	3.50	3.96	11.23	0.44	0.01	2.07	11.92	5.14
1984	369.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : M111 PS NO 11 YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q			- DISCHARGE IN M**3 PER SECOND
QO	=	7.050	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B	=	0.000	- SLOPE OF CAPACITY CURVE
H			- SUCTION HEAD IN M
QCAP=		7.050	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =		2.790	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 14 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	20.94	1.37	891.	8.26	5.05	10.83	0.00	2.76	2.51	8.20	0.22	0.58	3.19	3.71	6.16
2	19.34	3.04	1897.	8.07	7.61	18.50	0.00	4.91	6.85	18.46	0.33	0.08	4.22	6.75	19.60
3	32.46	1.82	1088.	8.26	5.24	11.41	0.00	3.58	3.62	9.95	0.28	0.07	3.18	2.64	11.59
4	30.68	1.81	1136.	7.90	4.72	10.69	0.00	3.46	4.63	9.49	0.33	0.00	3.56	4.10	10.33
5	39.72	1.34	822.	7.99	4.19	8.65	0.00	2.43	3.09	6.97	0.39	0.08	2.91	2.32	7.59
6	45.30	1.34	824.	7.87	4.92	10.63	0.00	2.38	2.43	7.62	0.30	0.21	3.99	0.63	7.90
7	53.81	1.33	846.	7.75	4.23	9.58	0.00	2.54	3.07	7.09	0.26	0.28	4.29	1.47	6.89
8	57.87	1.13	734.	7.73	3.21	7.25	0.00	2.20	3.37	5.35	0.28	0.45	3.97	1.59	5.17
9	62.62	1.20	768.	7.58	3.65	8.43	0.00	1.47	4.03	6.06	0.24	0.29	4.71	0.70	5.95
10	48.63	1.00	700.	7.24	3.38	7.10	0.00	1.33	3.17	5.06	0.61	0.02	3.68	3.19	3.28
11	35.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	34.90	1.17	825.	7.44	3.86	7.52	0.00	2.84	2.58	6.35	0.34	0.00	2.38	6.97	2.77
1984	482.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : M701 PS NO 7 YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q			- DISCHARGE IN M**3 PER SECOND
QO	=	8.960	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B	=	-1.120	- SLOPE OF CAPACITY CURVE
H			- SUCTION HEAD IN M
QCAP=		5.600	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =		3.000	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 16 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	22.46	2.48	1440.	8.58	7.77	16.77	0.00	3.03	5.00	15.56	0.12	0.07	3.02	3.41	17.11
2	8.93	7.75	4735.	7.74	13.29	36.86	0.00	10.34	18.18	50.17	0.72	0.01	6.11	12.72	60.45
3	30.99	3.42	2056.	7.91	8.80	20.34	0.00	5.83	6.00	21.40	0.41	0.00	3.39	6.35	23.92
4	33.91	3.18	1953.	7.96	7.40	17.86	0.00	7.57	5.12	18.64	0.27	0.00	3.92	6.29	21.42
5	31.01	3.02	1904.	8.17	10.27	21.16	0.00	3.94	4.78	21.43	0.33	0.08	2.43	9.56	18.40
6	26.80	4.00	2509.	7.74	11.20	27.93	0.00	4.47	7.88	27.83	0.42	0.36	4.80	8.67	26.76
7	41.45	3.23	1897.	7.77	9.06	21.91	0.00	3.45	6.87	20.58	0.37	0.54	4.15	3.61	22.99
8	37.68	3.40	1937.	7.77	8.51	20.68	0.00	3.00	8.51	20.42	0.61	0.70	3.97	2.51	25.30
9	41.53	3.38	1960.	7.70	8.09	20.13	0.00	2.24	9.91	19.93	0.55	0.13	4.73	3.13	24.63
10	37.58	5.25	3248.	7.68	12.06	28.85	0.00	3.38	13.79	35.33	1.25	0.00	3.40	12.78	37.57
11	28.79	4.20	2731.	7.89	10.03	18.55	0.00	4.60	10.98	28.00	0.74	0.00	1.22	18.40	24.71
12	28.41	4.69	3347.	7.63	12.19	25.87	0.00	5.87	10.16	34.52	0.80	0.00	2.04	32.66	16.64
1984	369.52	3.74	2326.	7.82	9.68	22.95	0.00	4.37	8.48	24.54	0.55	0.18	3.53	9.31	24.91

LOCATION : MB01 LOWER PS NO 8 YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H
Q - DISCHARGE IN M**3 PER SECOND
QO = 9.200 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = -1.660 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 5.614 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 2.160 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 15 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	17.57	3.91	2390.	8.05	10.76	26.85	0.00	3.68	8.50	26.55	0.23	0.00	4.87	6.78	27.43
2	4.87	17.09	10749.	7.74	28.70	82.45	0.00	15.05	28.97	134.67	1.91	0.00	7.29	27.05	146.38
3	21.39	3.14	1890.	7.57	8.41	18.54	0.00	4.01	6.95	19.69	0.36	0.00	2.82	6.92	21.30
4	19.92	3.94	2549.	7.15	10.77	24.28	0.00	5.56	7.80	27.54	0.39	0.00	2.92	13.64	24.43
5	20.39	3.03	1944.	7.76	9.15	19.97	0.00	4.12	5.97	20.56	0.45	0.18	2.69	10.36	17.85
6	20.33	3.47	2260.	7.69	10.90	25.96	0.00	4.98	5.52	24.98	0.41	0.62	3.82	10.98	20.45
7	33.73	3.58	2279.	7.72	11.83	26.86	0.00	4.79	5.04	26.22	0.48	0.78	2.91	10.79	22.04
8	26.68	5.72	3600.	7.59	17.60	42.16	0.00	9.07	7.97	44.92	0.89	1.82	2.95	15.60	38.84
9	29.97	5.03	3060.	7.37	12.38	32.04	0.00	3.13	12.38	34.47	0.59	0.34	9.30	8.49	36.42
10	25.29	4.33	2684.	7.55	10.21	23.92	0.00	3.13	12.12	28.19	0.65	0.06	3.12	11.44	29.66
11	20.91	4.87	3158.	7.93	11.32	20.89	0.00	4.38	13.03	33.39	0.84	0.13	1.04	20.49	29.95
12	19.89	4.82	3433.	7.64	12.77	28.00	0.00	5.28	10.62	36.00	0.83	0.01	2.37	32.74	17.56
1984	260.95	4.42	2828.	7.57	12.14	28.64	0.00	4.55	9.07	31.67	0.61	0.41	3.24	13.45	28.80

LOCATION : MG01 EAST MENUFEYA PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION:
2 UNITS: Q = 8.010 - 0.230 * H; QCAP = 7.375; HAV = 2.76
3 UNITS: Q = 3.670 - 0.540 * H; QCAP = 2.180; HAV = 2.76
Q - DISCHARGE IN M**3 PER SECOND
H - SUCTION HEAD IN M
QCAP - AVERAGE PUMP UNIT CAPACITY IN M**3 PER SECOND
HAV - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 12 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	11.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	2.35	2.13	1621.	7.97	4.46	12.34	0.00	7.40	4.81	11.03	0.31	0.00	8.56	7.61	7.39
3	10.59	0.77	522.	8.21	2.30	4.61	0.00	2.35	1.83	3.33	0.14	0.00	2.98	1.98	2.64
4	7.12	1.18	793.	7.80	2.86	6.44	0.00	3.47	3.15	5.21	0.11	0.00	3.75	3.37	4.83
5	10.80	0.85	562.	8.33	2.55	4.93	0.00	2.46	2.02	3.82	0.14	0.17	2.34	2.99	2.92
6	12.14	0.70	442.	8.38	2.41	4.47	0.00	1.83	1.98	3.19	0.10	0.17	2.41	1.03	3.04
7	8.24	1.02	689.	8.08	3.19	7.14	0.00	2.52	2.48	5.05	0.20	0.34	4.16	1.46	4.24
8	11.09	1.01	698.	8.13	3.88	8.40	0.16	1.97	2.34	5.69	0.28	0.50	3.97	2.12	3.66
9	12.12	0.91	645.	8.01	2.42	5.49	0.00	2.39	2.73	3.87	0.27	0.10	4.53	1.66	2.97
10	8.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	9.12	0.89	592.	8.61	1.49	2.60	0.00	2.45	3.81	2.57	0.30	0.00	1.46	5.26	2.37
12	13.46	0.80	564.	8.05	1.39	2.69	0.00	2.95	3.22	2.30	0.28	0.00	2.23	4.69	1.42
1984	116.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : MG02 SEGAAYA PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H
Q - DISCHARGE IN M**3 PER SECOND
QO = 5.540 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = -0.440 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 5.448 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 0.210 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 16 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	17.41	0.97	675.	8.46	2.96	6.38	0.00	2.43	2.67	4.73	0.13	0.22	3.44	3.28	2.99
2	2.10	3.82	2682.	7.19	8.08	23.46	0.00	9.33	7.63	23.54	0.54	0.14	10.57	9.98	20.45
3	16.56	1.01	646.	7.70	4.81	8.54	0.00	2.11	1.40	5.97	0.18	0.00	3.03	1.79	4.85
4	12.51	1.14	749.	7.95	3.88	7.74	0.00	2.69	2.30	6.13	0.20	0.00	2.76	3.69	4.88
5	11.10	1.10	732.	8.05	5.10	9.85	0.00	2.00	1.70	6.94	0.30	0.10	2.79	3.61	4.49
6	14.01	1.41	933.	7.64	4.83	10.40	0.00	3.22	2.89	7.92	0.18	0.34	4.12	3.02	6.54
7	21.77	1.24	832.	7.57	3.55	8.24	0.00	3.35	2.76	6.21	0.20	0.50	4.25	2.33	5.49
8	21.92	1.26	849.	7.58	3.43	7.93	0.00	3.20	3.14	6.11	0.35	0.46	4.04	3.05	5.26
9	24.30	1.17	806.	7.47	3.57	8.31	0.00	1.62	4.04	6.00	0.24	0.08	5.05	2.09	4.69
10	20.60	1.30	893.	7.21	3.88	8.82	0.00	1.61	4.99	6.83	0.36	0.04	4.24	4.12	4.95
11	16.30	1.37	919.	8.17	3.36	9.92	0.00	2.91	4.46	6.45	0.38	0.13	1.23	8.76	4.07
12	19.71	1.35	979.	7.84	3.91	8.02	0.00	3.46	3.31	7.19	0.38	0.01	2.51	9.33	2.50
1984	198.28	1.24	845.	7.62	3.82	8.42	0.00	2.67	3.19	6.55	0.27	0.20	3.60	4.11	4.74

LOCATION : MG03 MAHALLET RUH PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H
Q - DISCHARGE IN M**3 PER SECOND
QO = 2.460 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = 0.000 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 2.460 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 2.120 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 16 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	5.76	1.66	1086.	8.38	5.77	13.87	0.00	1.82	4.44	10.20	0.16	0.51	5.60	2.13	8.41
2	0.66	3.80	2821.	7.52	5.85	18.06	0.00	11.34	11.25	19.66	0.44	0.33	13.38	11.37	17.37
3	4.78	0.89	608.	7.92	2.55	5.30	0.00	2.95	1.91	3.97	0.15	0.00	3.20	2.53	3.17
4	4.82	0.96	650.	8.27	2.15	4.72	0.00	3.03	2.79	3.66	0.19	0.00	3.55	2.38	3.75
5	5.60	0.82	530.	8.39	2.45	4.69	0.00	2.36	1.89	3.57	0.18	0.13	2.37	2.23	3.24
6	5.15	0.84	542.	8.31	3.00	5.89	0.00	1.89	2.03	4.20	0.11	0.42	2.59	1.79	3.46
7	4.78	1.02	690.	8.06	3.10	6.98	0.00	2.66	2.43	4.95	0.19	0.38	4.20	1.47	4.17
8	6.16	0.97	697.	8.00	2.81	6.43	0.00	2.48	2.73	4.53	0.25	0.05	4.82	1.88	3.24
9	7.57	0.58	390.	8.07	1.41	2.72	0.00	1.41	2.19	1.90	0.17	0.00	2.75	1.14	1.77
10	7.32	0.66	447.	7.62	1.58	3.04	0.00	1.18	2.87	2.24	0.29	0.00	2.56	2.18	1.83
11	9.81	0.92	621.	8.61	1.82	3.13	0.00	2.52	3.51	3.16	0.29	0.00	1.35	5.84	2.29
12	8.38	1.04	749.	8.32	2.74	5.45	0.00	2.65	3.28	4.72	0.31	0.00	2.32	6.98	1.66
1984	66.78	0.96	654.	8.07	2.71	5.74	0.00	2.30	2.85	4.34	0.22	0.12	3.25	3.01	3.34

LOCATION : MG04 SEMATAY PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H
Q - DISCHARGE IN M**3 PER SECOND
QO = 6.590 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = -1.250 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 4.553 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 1.630 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 16 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	24.97	0.96	648.	8.62	2.42	5.33	0.00	3.17	2.45	4.06	0.12	0.58	3.13	2.73	3.31
2	7.98	3.14	1995.	7.51	5.18	14.01	0.00	9.22	7.47	14.97	0.36	0.14	5.97	6.05	19.84
3	28.26	1.23	777.	7.62	3.64	7.71	0.00	3.58	2.03	6.09	0.20	0.00	3.26	2.17	6.48
4	31.08	1.31	837.	8.09	3.77	8.03	0.00	3.80	2.25	6.56	0.20	0.00	3.17	3.02	6.68
5	32.28	1.11	729.	8.18	3.48	7.03	0.00	2.99	2.18	5.59	0.25	0.16	2.65	3.44	4.76
6	33.74	1.04	680.	8.07	3.74	7.84	0.00	2.56	1.92	5.60	0.12	0.21	3.47	1.85	4.65
7	39.79	1.25	833.	7.94	4.29	9.57	0.00	2.83	2.45	6.98	0.22	0.28	4.16	2.47	5.56
8	35.17	1.35	908.	7.98	4.97	11.04	0.00	2.68	2.49	7.99	0.46	0.50	4.04	3.20	5.85
9	36.36	1.28	871.	7.69	3.77	8.97	0.00	2.36	3.74	6.59	0.24	0.10	5.38	1.76	5.68
10	31.76	1.23	827.	7.41	3.54	7.92	0.00	1.65	4.34	6.13	0.33	0.00	4.01	3.48	4.96
11	23.48	1.37	904.	7.41	3.59	6.17	0.00	3.08	3.90	6.70	0.33	0.00	1.31	7.82	4.89
12	27.82	1.35	955.	7.24	3.97	7.88	0.00	3.30	3.28	7.20	0.35	0.00	2.24	8.86	3.03
1984	352.70	1.27	843.	7.70	3.82	8.37	0.00	3.02	2.91	6.57	0.26	0.17	3.53	3.58	5.48

LOCATION : MG05 PS NO 5 YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H
Q - DISCHARGE IN M**3 PER SECOND
QO = 6.500 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = -0.520 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 6.094 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 0.780 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 16 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	13.36	1.17	779.	8.67	9.12	10.87	0.28	1.89	2.22	7.34	0.17	0.51	3.89	2.26	5.03
2	3.52	3.96	2345.	7.70	8.04	22.55	0.00	7.60	9.21	23.31	0.47	0.14	8.19	6.59	25.58
3	14.76	1.50	926.	7.87	4.76	10.39	0.00	3.14	2.85	8.23	0.23	0.00	3.71	2.02	8.67
4	14.46	1.73	1042.	7.82	5.60	11.97	0.00	2.96	3.38	9.98	0.23	0.00	3.29	2.59	10.67
5	11.89	1.80	1149.	8.22	6.69	14.03	0.00	3.00	3.05	11.65	0.21	0.16	3.05	5.20	9.47
6	17.42	1.39	880.	8.07	4.65	10.51	0.00	3.20	2.44	7.81	0.17	0.58	4.00	1.71	7.25
7	26.00	1.16	756.	8.01	3.58	8.12	0.00	2.89	2.57	5.92	0.15	0.66	3.92	1.67	5.24
8	24.07	1.96	1027.	7.96	5.37	12.64	0.00	2.01	4.07	9.37	0.25	0.57	4.88	2.80	7.42
9	31.46	1.54	1003.	7.83	4.89	11.64	0.00	1.78	4.57	8.71	0.22	0.08	5.45	1.77	7.99
10	20.79	1.60	1039.	7.69	4.79	10.71	0.00	1.76	5.11	8.87	0.38	0.06	3.71	4.58	7.77
11	14.97	1.49	952.	8.55	3.75	6.43	0.00	2.34	5.25	7.30	0.32	0.13	1.11	7.54	6.42
12	13.34	1.60	1134.	8.20	4.79	10.03	0.00	2.93	4.40	9.18	0.42	0.01	2.65	10.08	4.19
1984	206.04	1.53	990.	7.96	4.88	11.02	0.00	2.54	3.81	8.69	0.25	0.27	3.93	3.50	7.56

LOCATION : M006 GHARBIA BRIDGE NO 6 YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 13 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	1.29	873.	8.55	4.90	10.06	0.00	2.76	2.74	7.46	0.13	0.22	4.18	3.29	5.31
2	-	2.87	1829.	7.99	9.36	14.44	0.00	7.02	7.42	14.39	0.24	0.02	6.57	4.75	17.74
3	-	1.60	1013.	7.79	4.49	10.19	0.00	4.13	2.90	8.41	0.22	0.00	3.88	2.94	8.89
4	-	1.35	847.	8.21	3.23	6.83	0.00	4.29	2.67	6.02	0.22	0.00	2.75	3.42	7.02
5	-	1.21	774.	8.56	3.56	7.00	0.00	2.99	2.65	5.97	0.33	0.14	2.24	4.09	5.49
6	-	1.19	766.	8.42	4.37	9.19	0.00	2.34	2.34	6.69	0.29	0.35	3.27	2.42	8.65
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	1.38	939.	8.11	4.11	9.91	0.00	1.93	4.40	7.32	0.28	0.02	5.76	1.88	6.27
10	-	1.43	957.	8.22	4.13	9.46	0.00	1.57	3.09	7.53	0.40	0.04	4.22	4.12	6.18
11	-	1.39	905.	8.85	3.79	6.35	0.00	2.65	4.19	7.01	0.34	0.06	1.16	7.63	5.28
12	-	1.37	983.	8.39	4.01	8.21	0.00	3.73	3.00	7.36	0.38	0.00	2.90	8.80	3.16
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : M007 PS NO 6 YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q		- DISCHARGE IN M**3 PER SECOND
QO =	7.230	- *DISCHARGE IN M**3 PER SECOND* AT ZERO SUCTION HEAD
B =	-0.860	- SLOPE OF CAPACITY CURVE
H		- SUCTION HEAD IN M
QCAP=	5.510	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =	2.000	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 15 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	11.84	2.00	1255.	8.42	4.25	13.61	0.00	3.82	3.74	12.16	0.13	0.14	3.08	5.35	11.27
2	1.61	11.44	7707.	7.57	21.57	43.52	0.00	15.22	19.44	69.79	0.86	0.08	9.22	31.13	84.98
3	12.91	3.29	1943.	8.11	12.68	26.12	0.00	3.86	3.40	24.15	0.29	0.03	2.91	4.95	23.78
4	14.46	3.99	2420.	8.43	9.08	20.92	0.00	4.78	8.17	24.82	0.29	0.07	2.89	9.05	28.04
5	9.54	4.89	3032.	8.17	13.15	28.41	0.00	5.97	8.70	35.12	0.91	0.14	2.32	12.82	34.62
6	13.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	19.64	3.30	1922.	7.86	8.16	19.85	0.00	4.81	6.95	19.79	0.32	0.33	4.03	3.60	23.87
8	17.61	3.79	2237.	7.81	9.59	24.06	0.00	5.75	6.75	23.97	0.41	0.44	4.71	3.85	27.87
9	17.32	4.11	2484.	7.66	9.60	24.61	0.00	8.47	5.96	25.78	0.32	0.09	5.23	8.34	29.88
10	18.54	3.07	1868.	7.50	7.67	17.24	0.00	3.16	8.58	18.88	0.35	0.00	2.91	7.89	20.17
11	11.75	3.03	1985.	8.01	7.99	14.30	0.00	4.14	7.69	19.43	0.42	0.00	1.22	15.24	15.23
12	12.46	4.03	2840.	7.80	11.26	23.06	0.00	5.84	7.74	29.39	0.88	0.00	1.91	27.17	14.43
1984	158.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : M008 MANUL PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION:

1 UNITS: Q = 11.630 - 1.930 * H; QCAP = 10.530; HAV = 0.87
2 UNITS: Q = 8.240 - 0.000 * H; QCAP = 8.240; HAV = 0.87

Q - DISCHARGE IN M**3 PER SECOND
H - SUCTION HEAD IN M
QCAP - AVERAGE PUMP UNIT CAPACITY IN M**3 PER SECOND
HAV - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 13 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	6.49	1.20	787.	8.72	3.43	7.42	0.00	3.50	2.50	5.95	0.11	0.14	3.24	3.27	5.26
2	3.21	4.68	3107.	7.46	7.87	23.29	0.00	12.62	9.69	24.27	0.64	0.02	10.28	8.92	27.67
3	29.22	0.98	618.	7.88	3.36	6.96	0.00	2.71	1.56	4.91	0.21	0.00	2.78	1.77	4.76
4	14.55	1.76	1164.	7.69	4.10	9.61	0.00	3.72	3.28	8.71	0.26	0.15	3.69	5.64	8.43
5	35.08	1.63	1028.	8.09	5.62	11.13	0.00	3.84	2.61	9.86	0.18	0.28	2.16	5.19	8.85
6	32.39	1.36	812.	8.02	5.24	10.62	0.00	2.22	2.50	8.08	0.18	0.33	2.89	1.65	7.98
7	29.02	1.78	1049.	7.77	4.84	11.38	0.00	3.10	4.31	9.33	0.20	0.50	4.02	0.81	11.65
8	32.89	1.42	809.	7.88	3.48	7.64	0.00	2.77	3.82	6.32	0.27	0.37	3.03	0.50	9.38
9	35.16	1.94	1179.	7.64	5.09	12.23	0.00	2.18	6.13	10.35	0.21	0.07	4.78	2.04	11.97
10	10.13	2.77	1839.	7.42	5.78	14.06	0.00	5.71	7.77	15.00	0.64	0.00	3.82	10.38	14.93
11	23.08	1.25	768.	8.22	3.66	5.51	0.00	3.40	2.33	6.20	0.24	0.00	1.01	5.04	6.12
12	4.72	1.98	1108.	7.57	4.62	9.41	0.00	3.88	3.46	8.84	0.40	0.00	2.36	9.56	4.64
1984	251.91	1.60	986.	7.83	4.98	10.03	0.00	3.26	3.62	8.90	0.23	0.20	3.17	3.15	9.07

LOCATION : MG09 PB NO 4 YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H
Q - DISCHARGE IN M**3 PER SECOND
QO = 11.220 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = -1.510 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 7.143 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 2.700 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 16 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	24.45	1.18	747.	8.60	4.62	9.26	0.00	2.16	2.30	6.90	0.15	0.29	2.85	2.62	5.73
2	9.33	2.32	1480.	7.66	5.43	13.29	0.00	5.01	5.64	12.53	0.23	0.06	4.48	5.61	13.26
3	25.43	1.41	853.	7.86	4.09	8.56	0.00	3.16	3.02	7.18	0.14	0.00	2.93	2.47	8.06
4	25.97	1.44	911.	8.06	4.66	9.82	0.00	2.81	3.10	8.01	0.18	0.00	3.18	3.46	7.50
5	23.48	1.51	934.	8.21	5.64	10.83	0.00	2.19	3.09	9.18	0.25	0.17	2.22	4.31	8.03
6	28.77	1.84	1209.	8.04	7.95	16.79	0.00	2.57	2.76	12.98	0.27	0.41	3.36	6.15	8.55
7	43.38	1.72	1140.	7.97	7.28	15.40	0.00	2.04	3.32	11.91	0.25	0.45	3.27	6.20	7.47
8	38.44	1.52	953.	7.80	4.05	9.27	0.00	1.89	3.32	7.69	0.29	0.61	3.35	3.52	7.65
9	41.76	1.49	948.	7.71	4.23	9.90	0.00	2.40	4.30	7.74	0.22	0.11	4.64	1.91	7.98
10	35.67	1.68	1052.	7.69	4.63	10.26	0.00	2.07	5.33	8.90	0.35	0.04	3.38	4.15	9.07
11	19.41	1.94	1219.	7.79	4.28	7.70	0.00	3.39	6.51	9.53	0.41	0.13	1.13	8.52	10.02
12	23.30	1.23	854.	7.69	3.36	6.44	0.00	3.11	3.33	6.03	0.35	0.01	1.95	7.51	3.36
1984	339.41	1.57	1004.	7.86	4.99	10.79	0.00	2.51	3.95	8.97	0.26	0.22	3.15	4.48	7.80

LOCATION : MG10 PB NO 3 YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H
Q - DISCHARGE IN M**3 PER SECOND
QO = 7.420 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = -0.750 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 5.365 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 2.740 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 15 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	11.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	6.09	11.34	6749.	7.61	22.60	61.87	0.00	13.07	14.93	84.57	1.22	0.00	6.35	9.95	97.39
3	24.72	2.26	1346.	7.81	7.42	16.10	0.00	3.74	3.46	14.07	0.34	0.00	3.39	3.18	15.05
4	23.80	1.93	1212.	8.23	5.63	12.69	0.00	3.58	4.21	11.11	0.19	0.00	3.66	4.48	10.95
5	19.11	1.99	1240.	8.34	8.16	15.61	0.00	2.26	3.41	13.74	0.24	0.18	2.21	6.05	11.22
6	29.28	2.75	1661.	8.01	10.32	23.00	0.00	3.18	3.92	19.45	0.21	0.46	3.65	4.50	18.13
7	42.72	2.97	1770.	7.99	11.34	24.93	0.00	3.21	3.93	21.43	0.21	0.60	3.30	4.58	20.26
8	34.66	2.62	1611.	7.98	9.85	21.82	0.00	2.73	4.32	18.50	0.42	1.03	2.95	5.76	16.22
9	30.33	2.35	1447.	7.75	6.79	16.78	0.00	2.28	6.17	13.95	0.56	0.24	5.61	2.21	14.91
10	27.85	1.94	1215.	8.43	5.66	12.89	0.00	1.60	6.11	11.12	0.43	0.00	3.88	4.35	11.04
11	16.80	2.13	1350.	7.76	5.56	9.78	0.00	2.88	6.45	12.02	0.43	0.00	1.25	9.24	11.30
12	18.16	2.32	1611.	7.56	6.77	13.82	0.00	3.40	6.00	14.69	0.50	0.00	2.15	14.90	7.50
1984	285.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : MG11 GHARBIA BRIDGE NO 7 YEAR : 1984 CODE : 22
MEASUREMENT POINT CODE: 22 ; OPEN DRAIN ; BASIC DATA: WATER LEVEL MEASUREMENTS

DISCHARGE RELATION: Q=A*(HR-HM)**B
Q - DISCHARGE IN M**3 PER SECOND
A = 38.310 - DISCHARGE COEFFICIENT
HR= 3.740 - DATUM HM VALUE IN M FOR ZERO DISCHARGE
HM - DISTANCE BETWEEN REF. POINT AND WATERLEVEL IN M
B = 2.610 - DISCHARGE EXPONENT
R2= 0.890 - CORRELATION COEFFICIENT

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 10 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	73.68	2.91	1803.	8.21	8.05	19.94	0.00	5.33	4.97	18.26	0.25	0.04	4.67	5.03	19.16
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	69.90	1.83	1151.	8.06	5.26	11.32	0.00	3.39	4.29	10.29	0.22	0.00	2.97	5.28	9.91
5	82.40	1.47	939.	7.90	4.51	9.02	0.00	2.63	3.94	8.18	0.21	0.18	2.17	6.23	6.37
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	145.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	145.53	1.67	1043.	7.98	5.26	12.22	0.00	2.64	3.85	9.48	0.32	0.44	4.41	2.04	9.41
9	105.28	1.73	1114.	7.47	4.81	11.72	0.00	4.93	2.54	9.29	0.22	0.12	5.48	1.74	9.67
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	127.94	1.70	1209.	7.37	5.17	10.93	0.00	3.86	3.68	10.04	0.41	0.00	2.76	10.50	4.73
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : M012 NAFIR SHEHAB EDDIN PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 / PUMP STATION / BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q		- DISCHARGE IN M**3 PER SECOND
QO	= 10.120	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B	= -1.180	- SLOPE OF CAPACITY CURVE
H		- SUCTION HEAD IN M
QCAP=	5.648	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =	3.790	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 16 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	30.07	6.93	4086.	8.30	15.38	39.06	0.00	3.91	16.18	48.74	0.45	0.41	4.07	9.62	55.08
2	13.14	24.60	15031.	7.49	29.45	84.96	0.00	18.88	60.95	182.02	1.71	0.06	8.69	29.21	225.16
3	28.08	7.98	4687.	8.09	16.14	38.33	0.00	6.64	17.19	55.73	0.39	0.02	2.86	11.43	65.63
4	29.18	7.94	4954.	8.19	17.37	42.66	0.00	8.22	14.73	58.85	0.63	0.07	3.48	17.91	60.95
5	26.77	7.39	4730.	8.02	18.50	44.30	0.00	9.22	10.00	57.34	0.86	0.22	3.25	19.81	54.11
6	32.52	5.08	2955.	7.94	13.50	33.68	0.00	4.01	9.70	39.35	0.63	1.25	3.74	5.61	39.08
7	30.25	5.05	3046.	7.97	13.91	33.61	0.00	3.31	10.33	36.32	0.56	0.50	3.74	9.15	37.13
8	44.41	4.62	4241.	7.93	18.24	45.28	0.00	3.41	12.62	51.95	0.93	0.47	4.18	16.63	45.82
9	40.21	6.79	4124.	7.79	15.94	41.75	0.00	3.46	15.64	49.26	0.43	0.10	5.49	11.06	52.14
10	35.93	5.24	3229.	7.79	12.31	29.10	0.00	3.14	13.74	35.77	0.93	0.00	3.24	12.70	37.63
11	27.93	5.72	3834.	7.64	13.60	26.07	0.00	4.60	14.23	41.73	0.95	0.00	1.31	28.68	31.52
12	29.23	8.82	6000.	7.64	19.52	44.17	0.00	6.34	19.04	69.55	1.44	0.00	2.31	40.83	83.24
1984	387.72	7.14	4449.	7.87	16.44	40.73	0.00	9.19	18.33	92.67	0.77	0.29	3.62	16.94	83.50

LOCATION : M013 GHARBIA OUTFALL YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 16 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	2.89	1950.	8.37	7.99	18.20	0.00	3.94	4.50	16.42	0.19	0.14	3.72	3.65	17.64
2	-	9.15	5464.	7.77	22.52	56.64	0.00	9.11	10.88	71.20	0.37	0.01	4.61	10.95	76.00
3	-	3.55	2050.	7.69	9.68	21.95	0.00	5.01	5.98	22.69	0.34	0.00	3.28	4.11	26.69
4	-	2.14	1264.	8.03	5.68	12.27	0.00	4.01	4.95	11.74	0.29	0.00	2.84	3.70	14.00
5	-	2.14	1219.	8.03	6.91	13.71	0.00	2.71	4.27	12.91	0.32	0.14	2.19	2.94	14.81
6	-	2.11	1243.	7.84	6.69	14.27	0.00	2.61	4.70	12.70	0.29	0.44	2.69	3.47	13.74
7	-	2.76	1716.	7.63	7.61	18.13	0.00	3.42	6.77	17.18	0.36	0.94	3.69	6.44	17.09
8	-	4.02	2468.	7.57	11.32	27.60	0.00	4.31	7.45	27.69	0.63	0.62	4.02	8.00	27.61
9	-	3.03	1797.	7.62	7.98	18.75	0.00	3.44	7.31	18.80	0.31	0.13	3.72	4.75	20.96
10	-	2.09	1322.	7.76	5.76	11.92	0.00	2.35	6.34	12.00	0.90	0.07	2.27	7.48	11.36
11	-	1.64	1061.	7.72	4.50	7.61	0.00	2.88	4.71	8.76	0.41	0.13	1.09	8.88	6.96
12	-	2.69	1888.	7.49	8.34	17.27	0.00	3.96	5.65	18.30	0.62	0.01	2.31	17.97	8.24
1984	-	3.14	1907.	7.73	9.21	20.59	0.00	3.98	6.07	20.65	0.39	0.19	3.03	6.83	21.04

LOCATION : M101 EDFINA BARRAGE YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 14 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	0.44	308.	8.25	1.29	2.34	0.00	1.94	0.76	1.50	0.07	0.22	2.48	0.71	0.84
2	-	0.46	325.	7.70	0.90	1.71	0.00	2.17	1.08	1.14	0.09	0.02	2.74	0.88	0.79
3	-	0.55	372.	7.95	0.73	1.45	0.00	2.90	1.25	1.05	0.15	0.00	2.72	1.04	1.50
4	-	0.54	363.	7.80	1.11	2.09	0.00	2.08	1.53	1.50	0.13	0.00	2.43	1.45	1.28
5	-	0.69	457.	7.77	1.65	3.19	0.00	2.28	1.96	2.41	0.18	0.08	2.42	1.98	2.29
6	-	0.39	270.	7.94	0.94	1.64	0.00	1.29	1.28	1.07	0.09	0.00	2.39	0.84	0.80
7	-	0.46	338.	7.79	1.17	2.36	0.16	1.69	1.33	1.43	0.11	0.00	2.17	0.64	0.79
8	-	0.48	359.	7.73	1.50	2.93	0.57	1.46	1.44	1.81	0.09	0.00	2.46	0.65	0.69
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	0.59	421.	7.46	1.08	2.36	0.00	1.09	2.90	1.93	0.39	0.00	2.44	1.23	1.25
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	0.52	368.	7.56	0.87	1.88	0.00	1.81	1.94	1.19	0.28	0.00	1.97	2.57	0.68
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : MI04 BALAMOUN PS YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 15 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	0.57	393.	8.08	1.38	2.72	0.00	2.74	0.88	1.85	0.06	0.06	2.97	0.90	1.59
2	-	0.51	343.	7.60	1.06	2.07	0.00	1.95	1.44	1.38	0.08	0.01	2.94	0.38	1.52
3	-	0.49	358.	7.78	1.02	2.04	0.03	2.17	1.19	1.32	0.13	0.00	3.38	0.46	1.01
4	-	0.53	369.	7.62	0.74	1.52	0.00	2.20	1.71	1.03	0.15	0.00	3.32	0.59	1.24
5	-	0.47	310.	8.03	0.87	1.61	0.00	1.58	1.58	1.09	0.20	0.07	2.42	0.56	1.40
6	-	0.48	316.	8.18	1.49	2.54	0.00	1.43	1.31	1.74	0.10	0.12	2.08	1.01	1.35
7	-	0.48	337.	8.08	1.16	2.10	0.00	1.70	1.38	1.43	0.17	0.00	2.44	1.51	0.69
8	-	0.47	328.	7.93	0.71	1.41	0.00	1.36	2.07	0.93	0.25	0.00	3.13	0.57	0.75
9	-	0.55	375.	7.85	1.30	2.61	0.00	0.92	2.53	1.70	0.21	0.00	3.40	0.26	1.66
10	-	0.52	339.	7.78	0.93	1.70	0.00	0.89	2.58	1.22	0.30	0.00	2.28	1.15	1.56
11	-	0.55	339.	8.52	0.65	1.17	0.00	1.58	2.24	1.18	0.23	0.00	0.92	2.85	1.46
12	-	0.60	429.	8.28	1.73	2.98	0.00	1.97	1.57	2.30	0.28	0.00	1.90	3.31	0.90
1984	-	0.52	353.	7.91	1.10	2.07	0.00	1.71	1.70	1.43	0.18	0.02	2.60	1.13	1.26

LOCATION : MI07 BAHR BASANDELA YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 14 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	0.40	283.	8.06	1.00	1.81	0.13	1.69	0.89	1.14	0.11	0.12	2.60	0.37	0.81
2	-	0.58	403.	7.77	0.95	1.95	0.00	2.31	1.97	1.38	0.06	0.03	3.10	1.31	1.29
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	0.46	311.	8.34	1.10	1.96	0.00	1.81	1.14	1.33	0.13	0.07	2.29	0.95	1.06
5	-	0.45	298.	8.24	1.26	2.00	0.00	1.59	1.11	1.47	0.17	0.07	1.65	1.39	1.21
6	-	0.40	291.	8.13	0.95	1.57	0.00	1.29	1.22	1.06	0.10	0.12	1.93	0.31	1.31
7	-	0.41	271.	8.06	0.87	1.51	0.00	1.32	1.33	1.00	0.16	0.00	2.30	0.28	1.28
8	-	0.40	273.	8.09	0.90	1.55	0.00	1.14	1.30	0.99	0.26	0.00	2.42	0.28	1.14
9	-	0.43	283.	8.05	0.77	1.34	0.00	1.10	1.80	0.93	0.21	0.00	2.14	0.84	1.09
10	-	0.46	315.	7.97	0.80	1.43	0.00	1.39	1.70	1.00	0.37	0.00	2.21	1.18	1.06
11	-	0.47	296.	8.04	0.79	1.04	0.00	1.24	1.98	1.00	0.27	0.00	0.94	2.46	1.08
12	-	0.48	333.	7.79	0.86	1.46	0.00	1.60	1.77	1.11	0.27	0.00	1.80	2.30	0.65
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : MI08 BAHR TIRA BEF MIX YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 15 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	0.55	380.	8.15	1.31	2.58	0.00	2.41	1.11	1.74	0.10	0.06	2.94	0.79	1.56
2	-	0.47	336.	8.11	1.31	2.43	0.00	1.86	1.01	1.57	0.12	0.01	2.84	0.79	0.95
3	-	0.41	292.	8.08	1.24	2.15	0.05	1.85	0.57	1.37	0.13	0.00	2.48	0.57	0.92
4	-	0.47	315.	8.03	0.76	1.42	0.00	2.13	1.21	0.98	0.13	0.07	2.49	0.76	1.11
5	-	0.46	286.	8.14	1.02	1.76	0.00	1.52	1.40	1.23	0.13	0.23	1.91	0.60	1.50
6	-	0.46	287.	8.23	1.27	2.11	0.00	1.34	1.38	1.48	0.10	0.18	1.82	0.66	1.63
7	-	0.38	267.	8.16	0.91	1.57	0.00	1.33	1.14	1.01	0.15	0.00	2.37	0.59	0.68
8	-	0.37	275.	8.12	0.95	1.70	0.51	1.31	1.01	1.02	0.23	0.00	2.84	0.37	0.37
9	-	0.44	301.	8.00	1.05	1.89	0.00	1.04	1.72	1.23	0.21	0.00	2.57	0.66	0.96
10	-	0.49	331.	7.70	0.89	1.69	0.00	0.83	2.39	1.13	0.34	0.00	2.74	0.77	1.18
11	-	0.49	305.	8.51	0.83	1.15	0.00	1.25	2.05	1.07	0.26	0.00	1.03	2.37	1.23
12	-	0.49	337.	8.37	1.02	1.67	0.00	1.59	1.71	1.31	0.25	0.00	1.65	2.41	0.81
1984	-	0.46	309.	8.09	1.04	1.86	0.00	1.54	1.39	1.26	0.18	0.05	2.31	0.94	1.07

LOCATION : MI09 BAHR TIRA AFT MIX YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 14 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	1.05	688.	8.03	3.18	6.84	0.00	2.30	2.86	9.11	0.11	0.00	3.69	2.00	4.71
2	-	2.29	1415.	7.67	4.91	12.39	0.00	5.21	5.67	11.45	0.24	0.00	5.23	2.94	14.38
3	-	1.13	707.	7.61	3.73	7.74	0.00	3.10	1.72	5.79	0.19	0.02	3.31	1.39	6.04
4	-	0.77	490.	8.05	2.13	4.03	0.00	2.80	1.40	3.08	0.15	0.07	2.30	1.65	3.34
5	-	1.34	866.	7.76	3.86	7.96	0.00	4.31	1.87	6.79	0.29	0.05	2.69	4.16	6.36
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	1.48	972.	7.70	6.21	13.09	0.00	2.46	2.30	9.98	0.27	0.23	3.68	4.35	6.31
8	-	1.20	817.	7.56	4.37	9.78	0.00	2.33	2.93	6.81	0.32	0.04	4.61	1.86	5.26
9	-	1.39	926.	7.39	4.18	9.88	0.00	2.78	3.51	7.39	0.23	0.00	5.30	1.76	6.83
10	-	0.97	635.	7.39	2.73	5.74	0.00	1.41	3.55	4.29	0.33	0.00	3.36	2.23	3.98
11	-	1.24	808.	7.74	3.51	5.70	0.00	2.40	3.72	6.14	0.30	0.00	1.19	6.86	4.52
12	-	1.16	806.	7.54	3.61	6.68	0.00	2.88	2.67	6.02	0.34	0.00	1.90	7.39	2.62
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : MN01 UPPER PS NO 8 YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+S*H

Q		- DISCHARGE IN M**3 PER SECOND
QO =	8.690	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
S =	-0.590	- SLOPE OF CAPACITY CURVE
H		- SUCTION HEAD IN M
QCAP=	8.065	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =	1.060	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 14 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	23.18	1.02	666.	8.75	3.99	7.14	0.00	2.50	2.07	5.42	0.11	0.22	2.68	2.92	4.28
2	6.66	3.03	2085.	7.95	7.29	18.98	0.00	7.22	6.04	18.77	0.27	0.06	5.82	10.57	15.83
3	21.31	1.51	965.	7.97	5.36	11.03	0.00	3.91	2.14	9.01	0.18	0.00	3.00	4.07	7.79
4	21.60	1.70	1036.	8.11	5.13	11.21	0.00	3.46	3.31	9.44	0.17	0.00	3.44	2.69	10.26
5	22.16	1.45	938.	8.13	4.80	9.95	0.00	3.11	2.88	8.30	0.20	0.21	2.73	4.78	6.76
6	21.29	1.80	1126.	7.83	4.60	10.99	0.00	3.41	4.87	9.36	0.23	0.51	4.09	3.22	10.03
7	27.86	2.09	1227.	7.71	4.16	10.44	0.00	3.76	6.46	9.42	0.24	0.26	4.86	1.74	12.97
8	32.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	33.38	1.73	1078.	7.79	4.83	11.44	0.00	2.22	5.21	9.31	0.19	0.02	4.76	2.18	9.97
10	17.29	2.41	1511.	7.58	5.70	13.31	0.00	2.69	8.00	13.19	0.51	0.05	3.49	6.74	14.10
11	22.50	1.83	1178.	7.93	4.72	8.24	0.00	3.17	5.50	9.82	0.36	0.06	1.19	8.87	8.70
12	25.92	1.58	1128.	7.71	4.98	10.27	0.00	3.45	3.34	9.32	0.35	0.00	2.58	10.49	3.55
1984	274.93	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : MN02 MANDURA PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+S*H

Q		- DISCHARGE IN M**3 PER SECOND
QO =	10.690	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
S =	-1.240	- SLOPE OF CAPACITY CURVE
H		- SUCTION HEAD IN M
QCAP=	7.280	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =	2.750	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 16 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	12.42	1.87	1118.	8.43	7.65	16.06	0.00	2.09	3.14	12.37	0.16	0.14	3.86	2.16	11.91
2	3.39	10.50	6535.	7.94	18.27	52.44	0.00	17.00	15.83	74.01	1.64	0.04	7.61	15.50	85.48
3	21.41	1.71	1022.	8.09	7.32	13.70	0.00	2.86	1.90	11.14	0.28	0.00	2.97	2.74	10.93
4	16.55	2.20	1381.	7.96	7.30	15.87	0.00	3.53	3.88	14.05	0.34	0.00	3.34	3.57	12.88
5	19.62	1.49	925.	8.23	5.70	10.63	0.00	2.30	2.83	9.13	0.26	0.01	2.19	4.31	8.01
6	18.93	2.00	1227.	7.89	6.12	13.86	0.00	3.47	4.04	11.86	0.26	0.35	3.16	4.24	11.83
7	22.70	2.24	1334.	7.76	6.67	15.91	0.00	3.41	4.59	13.34	0.27	0.53	3.80	2.69	14.55
8	21.04	2.42	1489.	7.73	7.66	18.27	0.00	2.61	5.49	15.41	0.37	0.62	4.40	3.85	14.96
9	24.94	1.86	1169.	7.65	5.18	12.30	0.00	4.55	3.23	10.21	0.23	0.10	4.65	2.55	10.89
10	16.38	2.18	1329.	7.51	5.48	11.94	0.00	2.92	6.30	11.77	0.43	0.00	2.79	6.07	12.56
11	16.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	14.66	2.36	1652.	7.37	4.53	13.48	0.00	5.21	4.85	14.64	0.43	0.00	2.14	15.18	7.80
1984	207.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : MNO3 NASHART OUTFALL YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 14 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	1.40	959.	8.38	5.17	11.86	0.00	2.81	2.78	8.64	0.13	0.51	4.58	3.55	5.66
2	-	2.45	1570.	8.12	5.10	12.86	0.00	5.67	6.49	12.56	0.20	0.04	4.85	6.00	13.98
3	-	1.60	999.	7.97	4.93	10.63	0.00	3.87	2.62	8.88	0.19	0.00	3.31	3.23	9.05
4	-	1.72	1076.	7.79	4.45	9.82	0.00	4.19	3.72	8.85	0.19	0.00	3.17	4.02	9.88
5	-	1.52	957.	8.03	5.33	10.59	0.00	2.68	3.01	8.99	0.29	0.11	2.48	4.41	7.96
6	-	1.64	1046.	7.96	6.77	13.81	0.00	2.21	2.90	10.82	0.33	0.35	2.88	4.62	8.38
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	1.66	1115.	7.69	5.40	12.51	0.00	2.93	3.68	9.96	0.29	0.53	4.09	5.02	7.39
9	-	1.64	1114.	7.46	4.90	11.20	0.00	2.87	4.63	8.83	0.22	0.11	5.99	3.19	7.46
10	-	1.39	945.	7.49	4.81	10.76	0.00	1.57	4.20	8.16	0.33	0.26	4.05	4.37	5.58
11	-	1.25	798.	7.79	4.52	7.14	0.00	1.92	3.01	7.09	0.36	0.45	0.84	7.07	4.00
12	-	1.56	1071.	7.58	5.67	10.38	0.00	2.50	3.38	9.72	0.40	0.03	1.85	10.16	3.94
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : MNO4 ZEINI PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION:

1 UNITS: Q = 5.340 - 0.980 * H; QCAP = 2.175; HAV = 3.23
2 UNITS: Q = 8.310 - 1.200 * H; QCAP = 4.434; HAV = 3.23

Q - DISCHARGE IN M**3 PER SECOND
H - SUCTION HEAD IN M
QCAP - AVERAGE PUMP UNIT CAPACITY IN M**3 PER SECOND
HAV - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 11 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	9.18	1.56	914.	8.69	4.10	8.81	0.00	3.64	3.42	7.71	0.12	0.43	2.56	2.33	9.51
2	4.76	3.58	2115.	8.00	9.06	21.86	0.00	5.34	6.93	22.45	0.20	0.06	4.08	4.89	25.82
3	7.70	3.24	1922.	7.68	9.29	21.80	0.00	4.40	5.87	21.05	0.18	0.00	4.04	4.49	22.85
4	7.86	2.27	1428.	7.44	6.58	15.24	0.00	4.34	4.28	13.66	0.27	0.00	4.01	5.01	13.53
5	7.01	2.78	1696.	7.89	9.28	19.37	0.00	3.40	4.85	18.86	0.37	0.27	2.42	6.89	17.90
6	7.38	3.60	2178.	7.76	11.92	27.03	0.00	2.96	6.50	25.92	0.36	0.80	2.97	7.37	24.59
7	11.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	13.64	2.45	1510.	7.53	6.74	16.68	0.00	3.41	5.99	14.61	0.25	0.62	4.83	3.62	15.14
9	15.89	2.30	1431.	7.44	7.41	17.67	0.00	2.35	5.45	14.64	0.19	0.10	5.02	3.57	13.92
10	14.36	2.99	1824.	7.11	9.21	20.17	0.00	2.19	7.15	19.92	0.41	0.00	3.06	7.13	19.47
11	9.21	4.19	2638.	7.73	11.12	20.57	0.00	3.39	10.19	28.97	0.47	0.00	1.32	15.03	26.87
12	8.50	3.29	2276.	7.50	10.17	20.90	0.00	3.43	7.11	23.55	0.59	0.00	2.18	20.79	11.91
1984	117.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : MTO1 TIRA PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q - DISCHARGE IN M**3 PER SECOND
QO = 8.200 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = 0.000 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 8.200 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 3.580 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 15 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	24.68	5.30	3055.	8.29	10.95	27.22	0.00	4.47	14.07	33.36	0.33	0.72	3.18	6.88	41.45
2	7.91	15.01	9353.	7.63	21.42	61.53	0.00	13.54	36.29	106.93	2.03	0.24	6.11	25.63	126.86
3	27.13	5.55	3328.	8.19	18.04	40.83	0.00	4.84	6.45	42.85	0.66	0.07	3.54	8.55	42.72
4	26.30	5.88	3649.	8.18	13.48	31.98	0.00	7.78	10.70	40.98	0.79	0.00	3.18	13.76	43.36
5	24.80	4.79	2922.	8.08	12.92	28.77	0.00	4.98	8.73	33.82	0.67	0.00	2.77	10.64	34.78
6	31.53	4.86	2801.	7.72	13.72	33.07	0.00	3.74	8.59	34.05	0.53	0.30	4.15	4.27	38.16
7	48.50	5.36	3134.	7.59	13.83	34.76	0.00	3.91	10.72	37.40	0.52	0.54	4.49	5.88	41.58
8	50.12	5.14	2989.	7.55	13.51	34.46	0.00	3.82	10.20	35.76	0.32	0.62	5.00	4.46	39.97
9	50.01	4.64	2822.	7.49	11.67	30.11	0.00	4.52	10.07	31.51	0.26	0.12	5.58	7.24	33.38
10	35.69	6.50	3993.	7.64	14.48	35.24	0.00	3.86	16.28	45.96	0.43	0.03	3.48	14.55	48.71
11	26.54	8.08	5243.	7.64	16.84	33.18	0.00	8.93	19.60	60.17	1.16	0.06	1.23	27.99	57.52
12	24.38	8.27	6007.	7.35	18.78	43.50	0.00	7.29	17.96	66.73	1.13	0.00	2.55	35.81	34.73
1984	377.59	5.86	3622.	7.66	14.29	35.34	0.00	4.96	12.32	42.02	0.61	0.26	3.90	12.87	42.69

3.2.3. Western Delta

LOCATION : WE01 BARBIG PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q			- DISCHARGE IN M**3 PER SECOND
QO	=	4.340	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B	=	-0.640	- SLOPE OF CAPACITY CURVE
H			- SUCTION HEAD IN M
QCAP=		2.740	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =		2.500	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 17 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	13.92	1.85	1158.	7.86	5.42	12.16	0.00	3.66	3.79	10.45	0.30	0.20	3.49	4.06	10.52
2	9.72	2.63	1633.	8.67	6.17	14.91	0.00	4.78	6.42	14.61	0.45	0.19	3.96	5.84	16.31
3	18.33	2.99	1748.	8.21	9.74	20.25	0.00	3.36	5.05	19.98	0.38	0.15	2.49	4.98	21.17
4	20.40	3.13	1978.	7.53	8.89	19.79	0.00	5.26	5.45	20.56	0.47	0.04	2.94	9.12	19.65
5	24.34	2.94	1773.	7.62	10.18	22.04	0.00	3.87	4.09	20.31	0.37	0.05	3.25	5.36	19.98
6	25.73	3.65	2154.	8.26	12.72	27.57	0.00	2.93	5.64	26.34	0.27	0.37	2.92	7.60	24.25
7	29.49	3.90	2435.	8.12	13.30	30.31	0.00	3.15	6.72	29.54	0.22	0.84	3.00	10.26	25.49
8	29.73	2.79	1733.	8.05	8.68	20.30	0.00	3.05	6.19	18.66	0.25	1.13	3.08	7.06	16.85
9	28.25	3.07	1973.	8.01	9.98	22.82	0.00	2.02	6.03	21.47	0.24	0.97	3.51	9.70	17.59
10	23.88	2.33	1508.	7.85	6.49	16.19	0.00	2.06	7.39	14.11	0.20	0.33	3.30	5.52	12.60
11	16.77	2.09	1429.	7.31	6.32	13.79	0.00	2.75	5.47	12.80	0.56	0.00	3.10	11.70	6.78
12	14.93	5.01	3832.	7.62	12.93	32.12	0.00	5.51	10.97	37.11	1.06	0.00	4.30	27.64	22.71
1984	255.50	3.05	1936.	7.81	9.61	22.10	0.00	3.34	6.28	21.07	0.36	0.44	3.40	8.78	18.42

LOCATION : WE01 ETAV BARUD PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q			- DISCHARGE IN M**3 PER SECOND
QO	=	2.440	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B	=	0.000	- SLOPE OF CAPACITY CURVE
H			- SUCTION HEAD IN M
QCAP=		2.440	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =		3.900	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	5.48	0.94	643.	7.61	1.74	3.75	0.00	3.99	2.35	3.10	0.14	0.02	2.97	3.39	3.19
2	2.01	1.21	827.	7.98	3.08	6.86	0.00	3.79	2.57	5.49	0.44	0.18	3.50	3.81	4.91
3	5.48	0.85	549.	8.14	2.16	4.00	0.00	2.28	2.57	3.36	0.18	0.13	1.87	3.26	3.17
4	6.12	1.02	660.	7.57	2.69	5.22	0.00	2.88	2.60	4.45	0.18	0.04	2.17	3.77	4.13
5	6.20	0.79	505.	7.60	2.42	4.57	0.00	2.20	1.88	3.46	0.16	0.25	2.20	1.98	3.28
6	6.90	0.92	576.	7.98	2.23	4.50	0.00	1.97	3.31	3.63	0.20	0.63	1.97	2.82	3.69
7	7.38	0.97	639.	7.78	1.32	2.94	0.00	2.70	4.56	2.52	0.21	0.76	2.37	3.87	2.98
8	7.21	0.93	634.	7.82	2.44	5.37	0.00	2.87	2.68	3.96	0.25	0.45	3.42	2.35	3.22
9	9.45	0.99	708.	7.63	2.85	6.65	0.00	1.46	3.90	4.67	0.19	0.00	3.25	1.65	3.32
10	9.11	1.14	803.	7.97	2.70	6.54	0.00	2.13	4.50	4.91	0.23	0.00	3.48	2.08	4.21
11	6.16	1.52	1075.	7.71	4.43	9.91	0.00	2.49	4.71	8.41	0.47	0.00	2.98	8.80	4.30
12	6.62	1.18	862.	7.37	3.43	7.63	0.00	2.15	4.06	6.04	0.36	0.00	3.77	5.86	2.98
1984	78.10	1.03	703.	7.67	2.60	5.70	0.00	2.41	3.45	4.46	0.24	0.21	3.32	3.48	3.55

LOCATION : WE02 BHUBNAKHIT PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q			- DISCHARGE IN M**3 PER SECOND
QO	=	6.550	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B	=	-0.860	- SLOPE OF CAPACITY CURVE
H			- SUCTION HEAD IN M
QCAP=		5.518	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =		1.200	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	19.26	1.46	939.	7.85	4.85	10.41	0.00	2.94	2.99	8.35	0.22	0.19	3.25	3.71	7.36
2	9.64	3.43	2237.	8.69	9.87	22.69	0.00	3.96	5.43	23.54	0.63	0.21	3.22	11.98	20.55
3	22.93	0.89	573.	8.44	2.20	4.37	0.00	3.06	2.00	3.81	0.16	0.14	2.36	2.53	3.70
4	20.71	1.06	711.	7.41	2.46	5.23	0.00	3.69	2.42	4.30	0.27	0.05	2.92	3.59	4.11
5	25.56	0.81	514.	7.44	2.96	5.53	0.00	1.78	1.78	3.95	0.28	0.13	2.51	1.46	3.66
6	24.89	1.27	839.	8.49	7.05	12.93	0.00	2.07	1.26	9.09	0.13	0.46	2.50	4.95	5.07
7	30.33	1.52	1035.	8.28	7.66	15.39	0.00	2.22	1.95	11.06	0.20	0.70	2.93	6.86	4.98
8	32.92	1.10	708.	8.19	3.21	6.82	0.00	1.73	3.76	5.32	0.24	0.73	2.54	3.42	4.36
9	34.63	1.10	744.	7.96	2.89	6.74	0.00	1.50	4.51	5.02	0.17	0.19	4.88	1.98	4.45
10	32.44	0.96	678.	7.87	2.16	5.20	0.00	1.68	4.22	3.71	0.18	0.00	5.68	0.68	3.43
11	21.57	1.13	818.	7.48	3.08	6.60	0.00	1.99	4.31	5.47	0.31	0.00	3.08	6.47	2.92
12	22.57	1.02	733.	7.14	2.90	6.28	0.00	1.72	3.87	4.85	0.34	0.00	3.51	4.65	2.51
1984	297.75	1.19	800.	7.72	3.92	8.42	0.00	2.29	3.16	6.44	0.23	0.26	3.35	3.77	4.71

LOCATION : WE03 ZARQUN PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: G=QO+B*H
G - DISCHARGE IN M**3 PER SECOND
QO = 9.210 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = -2.300 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 5.185 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 1.750 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 17 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	13.56	2.83	1786.	8.62	8.12	19.06	0.00	4.84	5.22	18.22	0.25	0.33	3.68	7.19	17.46
2	7.62	1.49	964.	8.67	4.27	9.63	0.00	3.39	3.29	7.79	0.34	0.27	3.71	3.31	7.64
3	12.39	1.05	661.	8.01	3.11	6.11	0.00	2.61	2.44	4.94	0.22	0.15	2.36	2.70	5.05
4	15.67	1.05	668.	7.34	3.57	6.55	0.00	2.38	2.20	5.40	0.25	0.04	2.08	3.43	4.72
5	16.93	1.06	680.	7.38	3.89	7.52	0.00	2.05	2.31	5.75	0.24	0.20	2.48	2.95	4.82
6	20.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	23.93	1.06	654.	8.12	3.60	7.35	0.00	1.68	2.96	5.48	0.19	0.64	2.55	1.97	5.14
8	24.53	1.08	691.	7.89	2.80	6.48	0.00	1.59	4.20	4.77	0.18	0.73	3.96	1.08	4.97
9	25.62	1.10	731.	7.83	3.39	7.95	0.34	1.22	4.06	5.51	0.18	0.41	5.20	0.36	4.98
10	21.41	1.37	913.	7.70	3.19	7.93	0.00	2.64	4.71	6.11	0.25	0.00	6.00	1.05	6.67
11	16.76	2.07	1435.	7.60	5.86	12.53	0.00	2.92	6.05	12.41	0.51	0.00	2.64	12.31	6.95
12	14.95	1.27	883.	7.37	3.93	8.32	0.00	1.71	4.30	6.82	0.41	0.00	3.11	5.99	4.14
1984	214.17	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WE04 EDKO IRR. PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: G=QO+B*H
G - DISCHARGE IN M**3 PER SECOND
QO = 6.380 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = 0.000 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 6.380 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 2.400 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	17.59	1.03	668.	8.27	2.81	5.98	0.00	3.04	2.33	4.61	0.18	0.20	3.11	2.25	4.57
2	8.06	1.75	1116.	8.66	4.64	10.83	0.00	3.74	4.16	9.23	0.32	0.24	3.96	3.78	9.48
3	27.42	0.92	566.	8.27	2.55	4.65	0.00	2.65	2.06	3.92	0.15	0.08	1.87	2.56	4.31
4	30.29	1.00	634.	7.84	2.33	4.35	0.00	3.15	2.59	3.94	0.16	0.03	1.83	3.70	4.28
5	30.85	0.98	614.	7.59	2.63	5.15	0.00	3.03	2.05	4.19	0.19	0.13	2.28	2.53	4.53
6	30.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	33.46	1.11	673.	8.45	4.44	8.52	0.00	1.97	1.98	6.25	0.30	0.42	2.43	1.74	5.91
8	35.21	1.10	716.	8.17	3.13	6.93	0.00	2.38	3.01	5.15	0.26	0.03	4.00	1.51	5.26
9	30.78	1.20	789.	8.12	3.73	8.44	0.00	1.71	3.79	6.19	0.18	0.00	4.53	1.82	5.52
10	32.09	1.04	681.	8.01	2.46	5.63	0.00	1.64	4.20	4.20	0.24	0.00	4.41	1.13	4.74
11	30.09	0.85	578.	7.71	2.20	4.18	0.00	1.43	3.48	3.45	0.29	0.00	2.17	4.34	2.14
12	28.53	0.99	702.	7.47	2.93	6.19	0.00	1.68	3.53	4.73	0.35	0.00	3.33	4.24	2.72
1984	335.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WE05 DILINGAT PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: G=QO+B*H
G - DISCHARGE IN M**3 PER SECOND
QO = 8.170 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = -1.050 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 5.020 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 3.000 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	17.42	0.90	641.	7.86	2.50	5.57	0.00	2.91	2.22	4.00	0.15	0.37	3.85	2.54	2.54
2	11.99	0.94	654.	8.43	2.91	6.02	0.00	2.52	2.27	4.51	0.30	0.20	2.99	3.40	3.08
3	14.35	0.83	582.	8.36	2.33	4.76	0.00	2.28	2.46	3.59	0.20	0.08	2.90	3.25	2.27
4	14.01	1.02	715.	8.07	2.93	5.91	0.00	2.95	2.47	4.82	0.29	0.03	2.62	5.03	2.85
5	13.47	0.93	605.	8.00	2.95	5.84	0.00	2.09	2.42	4.42	0.21	0.17	2.63	2.67	3.67
6	12.88	0.90	571.	8.49	3.62	6.91	0.00	1.93	1.70	4.88	0.18	0.47	2.49	1.86	3.93
7	12.96	1.07	724.	8.23	3.29	7.15	0.00	3.02	2.21	5.32	0.34	0.67	3.14	3.16	3.90
8	15.65	0.91	631.	8.06	1.79	4.17	0.00	2.62	3.45	3.11	0.27	0.84	3.71	2.48	2.37
9	19.43	0.82	580.	8.09	2.00	4.54	0.00	1.27	3.77	3.18	0.23	0.35	4.24	1.69	2.16
10	20.05	0.84	604.	7.99	1.58	3.73	0.00	2.00	3.74	2.68	0.20	0.00	4.92	1.41	2.28
11	17.93	1.00	728.	7.65	2.22	4.59	0.00	2.23	4.23	3.99	0.30	0.00	2.53	6.65	1.56
12	18.30	1.00	751.	7.61	1.99	4.53	0.00	2.82	3.99	3.67	0.35	0.00	3.72	5.42	1.70
1984	188.44	0.92	649.	7.96	2.38	5.20	0.00	2.36	3.03	3.91	0.25	0.25	3.40	3.30	2.59

LOCATION : ME06 KHANDAK EL GHARBI PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H
Q - DISCHARGE IN M**3 PER SECOND
QO = 2.350 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = 0.000 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 2.350 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 3.400 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	6.04	0.94	666.	7.78	2.60	5.83	0.00	3.07	2.25	4.24	0.13	0.10	4.15	2.43	2.90
2	2.60	1.17	806.	8.36	3.42	7.89	0.00	3.39	2.47	5.86	0.23	0.39	4.30	2.71	4.52
3	5.37	0.92	613.	8.43	3.69	7.07	0.00	2.48	1.37	5.11	0.16	0.13	2.70	2.65	3.60
4	6.17	1.05	697.	7.55	2.24	4.65	0.00	3.12	3.33	4.03	0.16	0.04	2.51	4.22	3.89
5	7.33	0.83	577.	7.37	1.30	2.92	0.00	2.58	3.51	2.27	0.18	0.23	3.44	2.64	2.26
6	9.51	1.11	733.	7.93	2.86	6.23	0.00	2.45	3.58	4.97	0.28	0.57	2.84	3.78	4.07
7	11.44	1.21	790.	8.06	5.02	10.22	0.00	2.07	2.28	7.40	0.32	0.63	2.85	3.35	5.22
8	10.63	1.03	742.	7.94	4.16	9.11	0.52	2.18	2.10	6.08	0.27	0.33	4.47	2.66	3.17
9	10.23	1.05	760.	7.85	2.99	7.02	0.00	1.42	4.18	5.01	0.32	0.00	5.31	2.44	3.19
10	11.11	0.87	598.	7.76	1.27	3.02	0.00	1.79	4.49	2.25	0.24	0.00	4.89	0.86	3.03
11	8.10	1.02	733.	7.72	2.46	5.20	0.00	2.03	4.19	4.34	0.29	0.00	2.87	5.75	2.23
12	7.70	1.45	1031.	7.61	4.90	10.90	0.00	2.79	3.43	8.64	0.39	0.00	3.96	6.22	5.06
1984	96.23	1.09	729.	7.77	3.03	6.71	0.00	2.30	3.21	5.03	0.26	0.21	3.75	3.25	3.58

LOCATION : ME07 KHAIRY PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H
Q - DISCHARGE IN M**3 PER SECOND
QO = 7.140 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = -1.390 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 4.638 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 1.800 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	13.49	1.05	715.	7.59	2.91	6.47	0.00	3.63	1.81	4.80	0.23	0.05	4.01	1.95	4.57
2	8.49	1.31	881.	8.22	3.57	8.10	0.00	3.92	2.61	6.46	0.32	0.30	3.71	3.70	5.58
3	12.56	1.12	729.	7.73	3.38	7.12	0.00	3.10	2.20	5.90	0.19	0.13	3.16	2.58	5.13
4	13.06	1.16	758.	7.28	3.55	7.00	0.00	2.94	2.58	5.90	0.17	0.04	2.38	4.29	4.88
5	12.75	1.36	878.	7.36	4.87	10.23	0.00	2.98	2.25	7.88	0.28	0.25	3.18	3.34	6.41
6	15.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	20.48	1.25	826.	7.88	5.31	11.07	0.00	2.47	1.79	7.72	0.30	0.71	3.27	2.98	5.48
8	20.32	1.04	711.	7.72	3.46	7.88	0.34	1.89	2.93	5.37	0.47	1.14	4.02	1.78	3.70
9	20.95	1.11	762.	7.59	3.36	8.08	0.63	1.20	4.37	5.60	0.21	0.85	5.35	1.07	4.09
10	18.39	1.57	1046.	7.50	4.06	10.13	0.00	1.84	5.80	7.94	0.24	0.00	6.12	2.13	7.64
11	14.40	1.70	1173.	7.28	4.92	10.45	0.00	2.39	5.46	9.74	0.28	0.00	2.73	9.49	8.67
12	14.56	1.17	857.	6.63	3.34	7.49	0.00	2.47	3.67	5.89	0.46	0.00	3.98	5.38	3.12
1984	189.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : ME08 HALG EL GAMAL PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H
Q - DISCHARGE IN M**3 PER SECOND
QO = 4.830 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = -0.700 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 3.080 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 2.500 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 17 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	16.00	1.08	706.	8.60	3.44	7.58	0.00	2.43	2.89	5.46	0.21	0.46	3.75	1.57	4.90
2	12.88	1.35	834.	8.76	4.73	10.08	0.00	2.87	2.87	7.58	0.30	0.46	3.25	2.00	7.28
3	21.57	1.62	991.	8.31	4.67	9.67	0.00	3.61	3.21	8.62	0.30	0.13	2.51	3.72	9.40
4	23.46	2.06	1284.	7.53	4.71	9.92	0.00	4.10	5.80	10.49	0.33	0.04	2.22	4.92	11.52
5	24.98	1.61	1024.	7.69	5.24	11.01	0.00	3.78	2.66	9.40	0.16	0.30	2.71	4.82	8.15
6	29.47	1.54	1038.	8.31	4.26	13.04	0.00	2.39	2.98	10.25	0.17	0.66	2.72	4.98	9.40
7	32.41	1.79	1205.	8.26	7.19	15.13	0.00	2.26	3.63	12.27	0.24	0.70	2.76	8.53	6.37
8	32.04	1.92	1208.	8.07	6.47	15.06	0.00	2.22	4.58	11.91	0.35	0.66	4.23	3.48	10.63
9	30.87	1.75	1113.	7.97	5.70	13.79	0.00	1.71	4.88	10.32	0.28	0.24	5.84	1.32	9.74
10	28.06	2.72	1669.	7.83	7.37	19.03	0.00	2.63	7.29	16.41	0.27	0.00	6.84	1.81	17.95
11	22.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	17.39	2.96	1897.	8.04	8.14	19.89	0.00	3.56	7.10	18.79	0.68	0.00	4.74	7.51	17.85
1984	293.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WE09 HALG EL GAMAL BRIDGE YEAR : 1984 CODE : 21
MEASUREMENT POINT CODE: 21 ; OPEN DRAIN ; BASIC DATA: WATER LEVEL MEASUREMENTS

DISCHARGE RELATION : Q = A + B * HM
Q - DISCHARGE IN M**3 PER SECOND
A = 233.300 - Q INTERCEPT FOR HM = 0
B = -77.250 - SLOPE OF Q-HM RELATION
HM= - DISTANCE TO WATERLEVEL FROM FIXED POINT
R2= 0.760 - CORRELATION COEFFICIENT

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 19 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	73.97	1.27	808.	7.76	4.43	9.75	0.00	2.38	2.75	7.09	0.19	0.40	3.89	1.54	6.60
2	39.02	2.07	1276.	8.66	7.46	16.61	0.00	3.09	3.35	13.40	0.35	0.41	3.73	3.48	12.63
3	45.62	1.23	782.	8.14	3.93	8.19	0.00	3.20	2.14	6.42	0.23	0.13	3.05	2.60	6.24
4	57.76	1.02	648.	7.17	2.97	5.45	0.00	2.95	2.03	4.70	0.27	0.04	1.91	3.56	4.44
5	35.44	1.17	735.	7.60	4.54	9.01	0.00	2.20	2.23	6.75	0.15	0.20	2.83	2.39	5.92
6	40.31	1.81	1150.	8.13	7.42	16.09	0.00	2.07	3.43	12.31	0.21	0.69	3.42	4.39	9.49
7	78.24	1.40	867.	8.14	5.86	11.83	0.00	1.72	2.86	8.87	0.18	0.39	2.69	3.13	7.17
8	66.37	1.35	858.	7.94	4.25	9.53	0.00	2.00	3.85	7.26	0.20	0.44	3.81	2.43	6.61
9	66.07	1.37	923.	7.77	4.24	10.21	0.00	1.29	4.88	7.44	0.19	0.00	5.95	1.47	6.39
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	40.11	1.22	867.	-0.01	3.56	7.30	0.00	1.93	4.36	6.31	0.26	-0.01	2.62	7.72	2.53
12	45.50	1.26	914.	7.78	3.03	7.05	0.00	1.77	5.63	5.84	0.34	0.00	4.09	6.16	3.33
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WE10 EDKO PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H
Q - DISCHARGE IN M**3 PER SECOND
QO = 3.920 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = -0.220 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 3.216 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 3.200 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	8.60	3.83	2258.	7.95	8.49	21.19	0.00	5.41	8.97	22.76	0.44	0.34	4.12	5.22	27.90
2	6.89	4.41	2621.	8.68	9.42	23.79	0.00	6.83	9.44	26.89	0.57	0.56	3.93	6.64	32.58
3	12.26	3.53	2070.	8.54	11.86	29.41	0.00	4.19	4.59	24.85	0.45	0.29	2.74	5.23	25.82
4	11.11	4.51	2765.	8.02	13.03	30.65	0.00	4.40	7.80	32.17	0.86	0.34	3.55	9.29	32.06
5	16.49	3.88	2333.	7.88	13.61	30.54	0.00	2.84	5.95	28.52	0.69	0.19	3.68	6.29	27.92
6	12.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	17.73	3.49	2076.	8.42	13.02	29.66	0.00	2.87	4.98	25.79	0.23	0.97	3.50	5.65	23.76
8	23.38	2.94	1764.	8.29	9.50	22.82	0.00	3.15	5.53	19.79	0.29	1.04	4.15	3.93	19.62
9	21.47	2.63	1631.	8.15	8.40	21.24	0.00	2.91	5.48	17.21	0.22	0.59	6.46	2.08	16.69
10	16.63	3.45	2181.	8.00	9.16	24.37	0.00	4.08	7.89	22.42	0.25	0.00	7.55	4.67	22.43
11	13.63	4.03	2811.	7.68	11.14	25.38	0.00	4.14	9.14	28.69	1.30	0.00	3.07	23.56	16.63
12	9.79	4.13	2922.	7.86	10.90	26.41	0.00	3.90	10.47	29.21	1.30	0.00	4.13	23.77	16.98
1984	170.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WE11 BOSSEILY PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H
Q - DISCHARGE IN M**3 PER SECOND
QO = 5.170 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = -0.570 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 3.346 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 3.200 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	12.25	2.15	1266.	8.55	6.71	15.15	0.00	4.24	3.02	12.79	0.31	0.22	3.77	1.65	14.75
2	13.32	1.72	1031.	8.50	7.08	14.23	0.00	3.30	1.59	11.07	0.31	0.08	3.10	2.14	10.88
3	23.56	2.05	1173.	8.53	6.10	12.60	0.00	4.35	2.95	11.65	0.30	0.13	2.49	2.20	14.38
4	24.71	2.61	1589.	7.80	7.29	15.99	0.00	4.32	5.26	15.96	0.22	0.04	2.87	6.18	16.66
5	34.59	1.91	1170.	7.92	7.10	14.73	0.00	2.62	3.49	12.41	0.12	0.21	2.86	4.28	11.26
6	40.18	1.97	1238.	8.75	9.91	18.31	0.00	1.58	2.91	14.85	0.13	0.53	2.04	8.57	8.29
7	42.32	3.01	1947.	8.54	13.74	28.23	0.00	2.31	3.76	23.95	0.29	0.87	2.48	12.85	14.08
8	43.07	2.97	1743.	8.20	9.00	21.51	0.00	3.05	6.08	19.24	0.46	1.27	3.52	3.61	20.36
9	43.19	2.44	1471.	8.09	7.01	17.46	0.00	1.88	6.95	14.72	0.21	0.50	5.47	1.97	15.79
10	35.29	2.21	1379.	8.10	6.25	15.69	0.00	1.82	6.75	12.93	0.20	0.00	6.26	2.10	13.34
11	25.28	1.67	1171.	8.04	4.94	10.13	0.00	2.57	5.73	9.25	0.28	0.00	3.24	8.84	5.77
12	17.91	2.60	1824.	7.68	7.29	17.05	0.00	2.70	7.86	16.74	0.61	0.00	3.75	14.47	9.68
1984	359.68	2.32	1459.	8.13	7.91	17.83	0.00	2.66	4.89	15.37	0.27	0.42	3.59	5.87	13.33

LOCATION : WI13 MAHMUDEYA CANAL BEF MIX YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 14 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	0.44	311.	7.81	1.66	2.86	0.21	1.45	0.93	1.81	0.12	0.12	2.47	0.83	0.86
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	0.45	317.	8.03	1.07	2.00	0.00	1.54	1.44	1.31	0.08	0.02	2.76	0.77	0.84
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	0.69	475.	7.48	2.02	3.88	0.00	2.45	1.45	2.81	0.16	0.00	2.67	1.96	2.25
6	-	0.69	443.	7.68	2.58	4.66	0.00	1.98	1.17	3.24	0.21	0.16	2.37	1.03	3.03
7	-	0.55	335.	7.76	1.56	2.67	0.00	1.84	1.01	1.86	0.39	0.28	1.88	0.22	2.66
8	-	0.50	318.	7.61	1.04	1.94	0.00	1.86	1.35	1.32	0.22	0.42	2.14	0.49	1.63
9	-	0.54	354.	7.43	1.16	2.39	0.03	1.02	2.52	1.55	0.11	0.44	3.12	0.19	1.47
10	-	0.54	341.	7.39	0.60	1.25	0.00	1.36	2.82	0.86	0.15	0.00	3.34	0.40	1.45
11	-	0.54	355.	7.61	0.76	1.30	0.00	1.27	2.82	1.09	0.14	0.00	1.60	2.79	0.93
12	-	0.62	435.	7.58	2.04	3.86	0.00	1.39	1.95	2.63	0.28	0.00	2.80	1.67	1.75
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WI14 MAHMUDEYA CANAL AFT MIX YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 14 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	0.70	476.	8.09	1.69	3.42	0.00	2.29	2.07	2.49	0.15	0.12	2.88	1.74	2.21
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	0.89	390.	8.29	0.88	1.69	0.00	2.52	1.85	1.30	0.07	0.02	2.30	1.76	1.67
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	0.72	467.	7.52	1.41	2.78	0.00	2.96	1.77	2.17	0.13	0.00	2.49	1.62	2.87
6	-	0.77	477.	7.85	2.83	5.20	0.00	2.09	1.29	3.68	0.17	0.12	2.46	0.77	3.88
7	-	0.76	490.	7.77	2.65	5.03	0.00	1.94	1.56	3.90	0.29	0.38	2.48	0.91	3.95
8	-	1.00	700.	7.93	3.35	7.40	0.00	2.24	2.54	5.18	0.27	0.36	4.06	2.49	3.35
9	-	0.96	650.	7.58	2.95	6.42	0.00	1.23	3.61	4.58	0.19	0.00	4.02	2.02	3.58
10	-	0.63	419.	7.60	0.97	2.03	0.00	1.32	3.12	1.44	0.23	0.00	3.28	0.95	1.88
11	-	0.72	496.	7.62	1.75	3.04	0.00	1.41	3.07	2.61	0.29	0.00	1.67	4.34	1.38
12	-	0.87	996.	7.33	1.82	3.68	0.00	2.22	3.33	3.04	0.34	0.00	2.42	4.02	2.48
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WI15 KAFR EL DOWAR BRIDGE YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 11 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	0.59	374.	7.71	1.45	2.74	0.00	1.65	1.71	1.87	0.12	0.18	2.63	1.80	1.43
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	0.92	394.	7.83	0.79	1.57	0.00	2.45	1.43	1.10	0.07	0.08	2.79	0.85	1.38
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	0.75	485.	7.88	3.12	5.68	0.00	1.47	1.72	3.94	0.13	0.28	2.38	1.81	2.82
7	-	0.99	625.	7.82	4.22	7.90	0.00	1.92	1.77	5.73	0.20	0.60	2.13	2.64	4.25
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	0.63	428.	7.66	1.89	3.25	0.00	0.90	2.91	2.19	0.23	0.10	3.31	0.74	2.06
10	-	0.91	646.	7.27	1.81	3.44	0.00	2.46	3.97	2.70	0.18	0.00	5.39	0.91	3.00
11	-	0.72	495.	7.54	1.48	2.90	0.00	1.56	3.20	2.29	0.27	0.00	2.40	3.28	1.44
12	-	0.64	451.	7.74	1.59	3.12	0.00	1.04	2.89	2.22	0.34	0.00	2.82	2.29	1.39
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WT01 TABIA PS YEAR : 1984 CODE : 13
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	1.79	1171.	8.10	5.41	12.66	0.00	4.20	3.05	10.31	0.40	0.13	4.50	3.84	9.43
2	-	1.73	1136.	7.92	5.25	12.22	0.00	3.76	3.24	9.81	0.49	0.05	4.57	3.62	9.08
3	-	1.74	1096.	7.64	5.61	12.22	0.00	3.13	3.43	10.16	0.38	0.08	3.44	3.94	9.65
4	-	2.12	1276.	7.20	6.59	14.19	0.00	4.00	3.34	12.62	0.46	0.03	3.13	3.62	13.56
5	-	1.98	1225.	7.30	7.42	15.72	0.00	2.37	3.79	13.03	0.21	0.22	3.16	4.44	11.60
6	-	3.81	2588.	7.92	18.05	37.27	0.00	2.73	3.72	32.42	0.29	0.76	2.72	22.11	13.61
7	-	4.64	3216.	7.82	22.59	48.16	0.00	2.43	4.22	41.19	0.40	0.79	3.36	28.85	15.27
8	-	2.76	1715.	7.57	9.25	22.35	0.00	2.25	5.95	18.72	0.44	0.55	5.01	4.50	17.28
9	-	1.94	1238.	7.59	6.79	16.26	0.00	1.52	5.09	12.35	0.23	0.24	5.63	2.50	10.79
10	-	1.79	1145.	7.55	5.50	13.33	0.00	2.11	4.99	10.36	0.18	0.00	5.75	2.00	9.89
11	-	1.63	1117.	7.37	4.98	10.52	0.00	2.50	4.71	9.45	0.34	0.00	2.83	8.42	5.74
12	-	2.48	1751.	7.07	7.81	17.63	0.00	3.22	6.27	16.37	0.59	0.00	4.11	13.45	8.89
1984	-	2.35	1569.	7.47	8.81	19.92	0.00	2.76	4.39	16.65	0.36	0.25	4.03	8.44	11.44

LOCATION : WU01 SHEREISHRA BRIDGE YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	2.35	1517.	7.76	5.78	14.03	0.00	5.44	5.02	13.21	0.26	0.21	4.23	6.32	13.15
2	-	2.28	1473.	8.56	7.55	16.94	0.00	4.54	3.25	14.91	0.34	0.16	3.59	6.46	12.79
3	-	2.45	1521.	8.30	6.89	14.85	0.00	5.15	4.18	14.88	0.23	0.15	2.58	6.88	14.78
4	-	1.94	1257.	7.62	5.92	12.49	0.00	3.75	4.06	11.69	0.23	0.05	2.69	7.00	9.98
5	-	1.40	929.	7.63	6.38	12.55	0.00	2.26	2.12	9.45	0.13	0.00	3.09	4.92	5.96
6	-	1.40	899.	8.43	7.26	13.45	0.00	1.98	1.73	9.89	0.16	0.24	2.60	4.28	6.61
7	-	1.94	1217.	8.27	8.60	17.40	0.00	2.42	2.64	13.68	0.38	0.45	2.84	4.90	10.89
8	-	2.06	1339.	8.07	7.95	17.69	0.00	2.32	3.90	14.01	0.56	0.53	3.78	5.71	10.74
9	-	2.03	1386.	7.77	6.52	16.38	0.00	1.68	6.21	12.95	0.29	0.48	6.26	5.04	9.32
10	-	1.95	1335.	7.73	5.57	14.12	0.00	2.69	5.76	11.45	0.25	0.00	6.58	4.45	9.12
11	-	2.77	1979.	7.68	8.54	18.77	0.00	3.52	6.59	19.20	0.46	0.00	2.93	19.10	7.74
12	-	2.23	1628.	7.78	6.80	15.92	0.00	3.37	5.83	14.59	0.39	0.00	4.09	14.13	5.96
1984	-	2.04	1373.	7.86	6.86	15.93	0.00	3.26	4.28	13.32	0.31	0.19	3.77	7.42	9.75

LOCATION : WU02 SHEREISHRA PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q - DISCHARGE IN M**3 PER SECOND
QO = 7.900 - DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B = 0.000 - SLOPE OF CAPACITY CURVE
H - SUCTION HEAD IN M
QCAP= 7.900 - AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV = 1.550 - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	45.30	2.69	1704.	7.81	9.90	21.85	0.00	2.81	4.71	19.20	0.33	0.20	3.54	7.17	16.11
2	24.06	4.25	2627.	8.44	14.62	33.85	0.00	3.84	5.80	32.10	0.70	0.23	4.08	8.31	29.93
3	41.35	2.42	1578.	8.38	8.40	17.24	0.00	4.27	3.46	16.51	0.37	0.08	2.50	9.60	12.43
4	38.93	2.95	1991.	7.84	9.01	20.31	0.00	5.27	4.82	20.24	0.47	0.03	3.30	13.28	14.20
5	39.47	2.86	1915.	8.09	10.72	24.67	0.00	4.00	3.95	21.37	0.19	0.27	4.22	10.87	14.16
6	39.62	4.59	3141.	8.15	21.00	49.14	0.00	3.64	3.65	40.10	0.16	0.77	3.18	26.52	17.12
7	46.41	5.01	3480.	8.27	23.08	47.25	0.00	3.08	4.38	44.57	0.30	0.63	2.95	32.92	16.23
8	56.28	2.73	1778.	8.11	10.43	22.90	0.00	2.31	5.04	19.99	0.45	0.44	3.30	10.14	13.89
9	58.56	2.40	1626.	7.81	8.21	20.44	0.00	1.48	6.70	16.60	0.22	0.41	6.08	6.80	11.70
10	59.24	3.56	2290.	7.72	9.64	25.04	0.00	3.25	8.82	23.69	0.61	0.00	6.48	7.56	22.32
11	46.41	3.13	2176.	7.79	8.95	20.25	0.00	3.43	7.98	21.38	0.49	0.00	3.13	18.02	12.32
12	47.38	2.66	1892.	7.70	8.08	18.03	0.00	4.37	5.47	17.93	0.66	0.00	3.16	16.88	8.39
1984	543.03	3.20	2148.	7.92	11.30	25.99	0.00	3.35	5.55	23.86	0.42	0.26	3.91	13.81	15.22

LOCATION : WU03 TRUGA PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q			- DISCHARGE IN M**3 PER SECOND
QO	=	10.830	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B	=	-1.370	- SLOPE OF CAPACITY CURVE
H			- SUCTION HEAD IN M
QCAP=		7.405	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =		2.500	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 17 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	47.61	3.36	2168.	8.02	8.75	21.42	0.00	4.58	7.89	21.86	0.45	0.38	4.02	10.03	20.40
2	25.97	4.22	2851.	8.28	10.77	27.61	0.00	5.72	9.18	29.41	0.84	0.31	5.00	14.92	25.00
3	57.44	2.77	1799.	8.39	8.41	17.35	0.00	4.16	5.48	18.46	0.40	0.17	2.11	11.67	14.56
4	51.71	3.18	2080.	7.73	8.79	18.31	0.00	5.73	5.88	21.19	0.29	0.05	2.09	13.47	17.47
5	47.53	3.55	2302.	7.98	11.33	25.44	0.00	4.05	6.40	25.90	0.21	0.11	3.21	12.94	20.30
6	59.34	2.99	1946.	8.23	10.68	22.49	0.00	3.11	5.37	21.98	0.16	0.34	2.49	12.84	14.93
7	55.29	3.57	2380.	8.02	11.31	26.91	0.00	4.73	6.02	26.23	0.36	0.70	3.34	15.18	18.12
8	67.75	3.48	2349.	7.87	11.63	28.30	0.00	4.20	5.80	26.02	0.57	0.71	4.80	14.81	16.59
9	66.61	3.47	2411.	7.80	11.47	28.62	0.00	3.39	7.03	26.18	0.32	0.47	5.39	15.95	15.10
10	63.59	3.20	2201.	7.69	8.26	21.54	0.00	4.72	8.30	21.07	0.21	0.13	6.01	11.60	16.55
11	91.34	3.23	2273.	7.71	9.22	20.72	0.00	4.07	7.68	22.35	0.63	0.00	2.99	20.13	11.61
12	44.94	3.80	2715.	7.75	10.49	25.10	0.00	4.91	8.36	27.02	1.00	0.00	3.87	23.25	14.18
1984	639.30	3.35	2240.	7.89	10.04	23.78	0.00	4.35	6.80	23.71	0.42	0.30	3.77	14.60	16.63

LOCATION : WU04 DUSHUDI BRIDGE YEAR : 1984 CODE : 24
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 16 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	2.99	1943.	8.55	8.05	19.29	0.00	4.46	6.93	19.20	0.39	0.37	3.74	9.70	17.14
2	-	2.88	1778.	8.59	7.92	18.02	0.00	4.44	5.91	18.02	0.46	0.35	3.00	7.20	18.24
3	-	2.98	1926.	8.18	9.91	21.71	0.00	3.84	5.22	21.09	0.34	0.13	3.05	10.69	16.49
4	-	3.02	1966.	8.11	9.76	20.64	0.00	4.58	4.84	21.19	0.38	0.05	2.89	11.93	16.41
5	-	3.03	1943.	8.17	11.42	24.12	0.00	3.63	4.17	22.56	0.27	0.35	2.71	11.00	16.97
6	-	4.41	3002.	8.13	17.32	37.49	0.00	3.49	5.54	36.81	0.22	0.76	2.98	25.23	17.48
7	-	4.74	3337.	8.21	22.90	47.99	0.00	3.09	3.80	42.47	0.29	0.80	3.24	32.19	13.68
8	-	2.87	1962.	8.02	10.44	24.03	0.00	3.83	4.47	21.27	0.38	0.28	4.08	13.14	12.42
9	-	2.71	1878.	7.82	8.31	20.69	0.00	2.55	7.91	18.63	0.24	0.84	9.28	11.03	12.38
10	-	2.67	1839.	7.70	7.26	18.75	0.00	3.68	7.37	17.06	0.20	0.00	6.33	8.76	13.21
11	-	3.29	2349.	7.55	9.70	21.58	0.00	4.03	7.49	23.28	0.68	0.00	2.91	22.61	9.96
12	-	3.41	2403.	7.65	12.39	28.43	0.00	3.77	8.18	26.14	0.87	0.00	4.24	19.66	12.04
1984	-	3.24	2199.	7.95	11.03	25.26	0.00	3.78	8.69	24.00	0.39	0.25	3.68	15.28	14.66

LOCATION : WU05 DUSHUDI PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q			- DISCHARGE IN M**3 PER SECOND
QO	=	10.320	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B	=	-2.010	- SLOPE OF CAPACITY CURVE
H			- SUCTION HEAD IN M
QCAP=		5.737	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =		2.280	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 17 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	18.83	5.01	3074.	7.97	13.83	33.90	0.00	4.36	9.35	36.20	0.56	0.06	4.49	9.57	36.24
2	17.10	4.96	3101.	8.03	14.95	37.36	0.00	5.58	6.63	36.99	0.84	0.03	5.54	9.05	35.39
3	23.79	4.68	2894.	8.23	13.25	30.92	0.00	6.21	6.73	33.70	0.56	0.08	3.54	10.21	33.39
4	22.89	5.70	3599.	7.45	11.72	26.76	0.00	7.31	13.53	37.83	0.92	0.03	2.40	16.73	40.44
5	22.32	4.18	2630.	7.99	13.29	28.82	0.00	4.04	6.56	30.60	0.30	0.00	2.99	8.75	29.87
6	25.89	3.88	2370.	8.13	14.66	30.68	0.00	3.31	5.04	29.96	0.21	0.82	2.71	9.08	26.48
7	30.01	3.91	2506.	7.88	13.02	30.07	0.00	4.77	5.44	29.42	0.38	0.92	3.47	12.05	23.93
8	35.32	3.33	2141.	7.68	9.22	23.04	0.00	5.36	6.25	22.22	0.51	0.87	4.66	9.14	19.98
9	33.09	4.95	3112.	7.57	12.97	34.09	0.00	4.10	10.82	38.42	0.38	0.83	9.90	10.19	34.04
10	33.06	5.43	3535.	7.51	12.14	32.79	0.00	5.85	13.97	37.83	0.67	0.12	6.18	12.15	39.67
11	27.06	4.81	3399.	7.72	12.17	28.49	0.00	5.86	10.65	34.96	1.08	0.00	3.10	27.06	30.39
12	23.23	6.19	4289.	7.61	13.93	38.67	0.00	7.62	13.67	49.33	1.33	0.00	4.48	38.60	34.77
1984	312.61	4.67	3019.	7.70	12.56	30.88	0.00	5.33	9.05	33.68	0.64	0.22	4.19	13.64	30.69

LOCATION : WU06 HARES PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION: Q=QO+B*H

Q			- DISCHARGE IN M**3 PER SECOND
QO	=	11.440	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B	=	-1.730	- SLOPE OF CAPACITY CURVE
H			- SUCTION HEAD IN M
QCAP=		6.250	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =		3.000	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 18 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	45.86	11.82	7319.	8.30	22.46	56.69	0.00	14.69	17.07	89.49	1.54	0.26	3.39	21.14	98.00
2	22.79	17.27	10815.	8.09	31.47	83.35	0.00	17.71	20.58	137.68	4.95	0.23	4.47	26.28	149.94
3	44.79	10.50	6404.	8.41	28.32	61.54	0.00	11.77	6.84	86.38	1.56	0.21	2.23	16.46	87.70
4	45.55	10.89	7240.	7.98	20.01	47.26	0.00	15.78	19.00	83.43	1.19	0.07	2.36	34.97	82.00
5	43.47	9.94	6351.	7.83	27.44	61.37	0.00	9.05	9.66	83.93	0.89	0.25	2.51	26.56	72.21
6	39.81	11.14	7175.	8.09	29.95	68.76	0.00	7.15	13.29	95.75	0.90	0.43	2.39	34.21	79.85
7	39.81	13.59	8741.	7.93	32.64	80.17	0.00	10.86	14.92	117.17	0.94	0.63	3.19	34.85	105.23
8	45.68	11.42	6736.	7.65	20.94	57.45	0.00	13.27	17.68	82.36	1.20	0.59	5.39	9.88	98.67
9	47.83	10.54	6761.	7.62	20.39	56.60	0.00	11.17	20.04	80.54	0.44	0.57	5.62	24.20	81.61
10	54.00	8.91	5876.	7.63	16.48	45.18	0.00	11.72	18.97	64.55	1.14	0.11	5.57	25.93	64.77
11	48.62	9.71	7132.	7.70	20.06	47.63	0.00	12.09	18.97	79.03	0.84	0.00	2.63	64.65	43.66
12	49.29	9.44	6782.	7.78	19.30	48.31	0.00	10.18	19.85	74.79	1.71	0.00	3.47	54.82	48.24
1984	527.49	10.80	7086.	7.83	22.99	58.16	0.00	11.94	16.41	86.57	1.29	0.29	3.64	31.74	80.55

LOCATION : WU07 ABIES PS YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 ; PUMP STATION ; BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION:
5 UNITS: Q = 0.310 - 0.000 * H; QCAP = 0.310; HAV = 42.50
Q - DISCHARGE IN M**3 PER SECOND
H - SUCTION HEAD IN M
QCAP - AVERAGE PUMP UNIT CAPACITY IN M**3 PER SECOND
HAV - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 14 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	2.86	7.56	4658.	7.82	14.47	38.74	0.00	9.92	15.51	51.59	0.90	0.89	4.40	14.45	58.18
2	2.85	6.49	3971.	8.04	14.57	36.45	0.00	7.89	11.67	45.58	0.88	0.39	3.74	12.58	49.27
3	3.57	5.17	3207.	8.24	14.56	33.00	0.00	6.50	7.15	38.04	0.76	0.13	2.96	12.00	37.42
4	3.94	5.16	3346.	7.76	11.04	26.78	0.00	8.49	10.90	34.37	0.76	0.04	3.31	16.70	34.41
5	8.12	5.53	3858.	7.88	21.22	44.18	0.00	4.30	5.93	48.02	0.25	0.12	2.59	35.87	19.85
6	7.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	8.43	11.31	8585.	8.37	57.19	116.08	0.00	3.31	4.98	116.45	0.40	0.53	3.02	100.31	21.26
8	7.75	4.90	3282.	8.15	14.09	33.30	0.00	5.96	7.97	37.19	0.70	0.49	3.23	21.36	26.73
9	6.95	4.68	3167.	7.88	10.22	27.05	0.00	8.16	13.78	31.46	0.51	0.56	4.93	17.94	27.51
10	7.42	3.65	2432.	7.80	7.11	19.18	0.00	6.20	11.28	21.03	0.31	0.13	5.97	11.78	20.95
11	7.35	4.03	2929.	7.74	8.85	20.44	0.00	7.19	10.47	26.28	1.05	0.00	2.68	27.83	14.48
12	4.34	7.49	5565.	7.79	13.86	37.00	0.00	10.41	20.10	54.13	1.91	0.00	4.67	48.36	33.52
1984	70.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WU08 GALAA PS YEAR : 1984 CODE : 13
THE WATER QUALITY DATA DURING 1984 ARE BASED ON 17 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	3.14	1872.	7.75	8.38	20.03	0.00	4.20	6.49	19.38	0.52	0.04	4.20	4.44	21.80
2	-	2.71	1627.	8.13	8.99	20.63	0.00	4.01	3.90	17.87	0.40	0.18	4.11	3.48	18.33
3	-	2.41	1433.	7.92	6.26	14.36	0.00	5.17	4.16	13.53	0.38	0.14	3.44	3.33	16.33
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	2.42	1475.	7.49	9.79	20.21	0.00	3.53	2.57	17.10	0.25	0.09	3.12	4.70	13.58
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	2.03	1316.	8.11	9.26	17.74	0.00	1.88	3.22	14.80	0.35	0.47	2.17	9.21	8.36
8	-	2.95	1919.	7.68	8.74	21.11	0.00	2.93	7.43	19.89	0.45	0.91	3.73	9.51	16.50
9	-	2.52	1631.	7.58	7.63	19.19	0.00	2.17	6.98	16.33	0.19	0.50	5.71	8.46	13.96
10	-	2.61	1715.	7.51	7.24	18.63	0.00	2.20	8.03	16.37	0.23	0.00	6.54	5.80	14.44
11	-	2.98	2079.	7.26	8.59	19.40	0.00	3.21	7.74	20.11	0.74	0.00	3.16	17.71	10.92
12	-	4.02	2821.	6.75	10.57	26.48	0.00	4.46	9.74	28.16	1.20	0.00	4.77	20.20	18.59
1984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : WU09 MAX PB YEAR : 1984 CODE : 11
MEASUREMENT POINT CODE: 11 , PUMP STATION , BASIC DATA: PUMPING HOURS AND LIFTING HEAD

DISCHARGE RELATION:
4 UNITS: Q = 15.320 - 1.600 * H; QCAP = 10.120; HAV = 3.25
4 UNITS: Q = 16.800 - 1.600 * H; QCAP = 11.600; HAV = 3.25
Q - DISCHARGE IN M**3 PER SECOND
H - SUCTION HEAD IN M
QCAP - AVERAGE PUMP UNIT CAPACITY IN M**3 PER SECOND
HAV - AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1984 ARE BASED ON 16 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	218.49	8.26	5083.	8.61	14.73	39.12	0.00	10.21	18.45	55.77	0.97	0.39	4.34	15.94	64.74
2	114.02	11.67	7299.	8.46	20.21	54.41	0.00	12.66	22.78	89.09	1.75	0.39	5.77	21.22	94.92
3	178.11	8.07	4990.	8.37	19.47	46.20	0.00	9.91	10.18	61.72	0.93	0.13	3.13	16.11	63.35
4	166.24	9.68	6170.	7.83	21.15	51.29	0.00	8.87	14.83	79.81	0.87	0.05	3.20	24.18	74.95
5	182.39	8.19	5314.	8.25	23.05	54.14	0.00	5.87	11.51	67.99	0.53	0.00	3.50	27.31	55.06
6	170.33	7.76	4999.	8.41	25.59	53.16	0.00	5.78	7.66	66.34	0.41	0.33	2.04	28.53	49.30
7	183.21	8.38	5292.	8.14	23.27	54.80	0.00	7.40	10.04	68.71	0.76	0.89	2.66	21.59	61.77
8	209.18	7.44	4722.	7.97	19.40	48.84	0.00	5.41	12.67	58.32	1.30	1.02	3.79	18.02	54.89
9	213.41	7.78	5049.	7.78	18.96	51.00	0.00	4.95	15.78	61.00	0.73	0.42	6.11	19.93	56.07
10	226.23	7.32	4799.	7.72	15.69	42.80	0.00	6.77	16.64	53.69	1.05	0.00	6.36	20.23	51.60
11	211.19	6.10	4453.	7.45	14.52	33.92	0.00	9.96	14.56	46.51	1.28	0.00	2.83	43.42	22.06
12	243.96	8.25	5817.	7.49	17.92	48.50	0.00	7.20	18.42	64.14	1.93	0.00	4.02	43.59	44.08
1984	2316.78	8.00	5248.	7.85	18.83	47.56	0.00	7.36	14.60	62.41	1.05	0.29	4.00	25.46	55.68

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الصرف ثم يجرى تصحيح لهذه القياسات بناءا على قياس كفاءة تلك المحطات بصفة دورية - وهذا هو أحد اوجه نشاط المشروع اعادة استخدام مياه الصرف .. وذلك بالنسبة للمصارف التى يتم رفع مياهها بواسطة محطات الطلمبات .

أما المصارف التى يتم صرف مياهها بالراحة فانه يجرى قياس تصرفاتها بالطرق المناسبة التى تخضع لاعتبارات أخرى .

أما دراسة نوعية مياه الصرف فانه يتم تجميع عينات المياه من مناطق القياس المختلفة - بصفة دورية - ويجرى تحليلها كيميائيا وتحليل نتائجها وفقا للمواصفات القياسية لنوعية المياه .

والغرض الاساسى فى هذا التقرير السنوى هو عرض لهذه البيانات الاساسية والمتاحة لدى معهد بحوث الصرف لاستخدامها ضمن المشروعات المختلفة - هذا الى جانب عرض مبسط عن وسائل القياس وطرق الحساب المستخدمة لاخراج هذه البيانات فى صورتها المذكورة ضمن هذا التقرير - كذلك فانه جدير بالذكر ان مايتعلق بنوعية مياه الصرف ومدى ملائمتها للاستخدام فى الرى فقد استخدم الاسس والمعايير والتى من خلالها يمكن توصيف وتصنيف هذه المياه حسب الاغراض المختلفة (كاستخدامها مباشرة فى اغراض الرى أو بعد خلطها مع نوعية مياه أخرى .. الخ) .

وفى حالة عدم كفاية البيانات المذكورة ضمن هذا التقرير فانه يمنصح باستشارة بنك المعلومات بمعهد بحوث الصرف حيث تتوافر كافة نتائج التحليل الكيميائى للعينات الممثلة لكل موقع .

* ملخـــــص :-

أن الزيـــادة المتطـردة فى اعداد السكان لابد مـــــن مجابهتهـا بانتاج المزيـد من الحبـوب والالياف - من جهـــــه - واستصلاح اراضى جديـدة بدلا من تلك التى استنزفت فى عمليـــات البناء والتشييـــد من جهـة أخـرى .

ولقد كانت استراتيجيـة اعادة استخدام مياه الصـــــرف أمـرا واردا - ضمن الاستراتيجيـات المقترحة لايجاد مصادر ميـــاه رى أضافيـة للاراضى التى سيتم استصلاحهـا .. وفى هذا المجـــال يجدر بنـا ان نذكـر ان الخطـة الخمسيـة ١٩٨٢ - ١٩٨٧ تتضمـــن استصلاح (٦٤٠ ٠٠٠) فدان والبدأ الفعلى فى التنفيـذ .

ويهـدف مشـروع اعادة استخدام مياه الصرف الى ايجـــاد البيانات الاساسية على درجـة عاليـة من الدقـة والواقـــع - والتـى يمكن استخدامهـا فى تلك الخطـة السالفة الذكر - لذلـك فقد تم اختيـار شبكـة قياس متكاملـة والتى من خلالها يمكن الحصول على تلك البيانـات الممثلـة لكل زمـام من مناطق الصـرف .

ان البيانـات اللازمـة لخطط استصلاح الاراضى متمثلـة فـــى كل من كميـات المياه المتاحـة ونوعيـة تلك المياه ومـــدى صلاحيتهـا ومناسبتهـا لعمليـات الاستصلاح والرى .. لذلك فـــأن كميـات ميـاه الصرف يتم الحصول عليها أولا من خلال قياســـات معلحـة الميكانيكـا والكهربـاء بوزارة الرى لتصرفات محطـات

٣ ـ المهندس / احمد محمد مرسى

٤ ـ المهندس / عادل عبد الرشيد سليمان

٥ ـ المهندس / محمد عزت حسن

٦ ـ المهندس / محمد ابراهيم لاشين

٧ ـ المهندس / مجدى عبد النبى

٨ ـ المهندس / نبيل فتحى قنديل

٩ ـ المهندس / محمد سعد عباس

١٠ـ المهندس / ميرفت محمد مصطفى الجندى

١١ ـ المهندسة / أميمة سعد شاهين

١٢ـ المهندسة / سنية محمد عباس

* فريق المعمل والقائمين بالتحليل الكيميائى :

١ ـ المهندسة / ليلى محمد حسن السيسى

٢ ـ المهندسة / عطيات أبو بكر

٣ ـ المهندس / جمال عبد الناصر كامل

٤ ـ المهندسة / سميرة سيد محروس

٥ ـ المهندسة / نصرة عبد الله

* مقدمـــــــــة :-

يهدف هذا التقرير الى القاء الضوء والملاحظات علـــــى البيانات المتاحة حتى يمكن الاستعانة بها فى وضع خطـــــط وبرامج اعادة استخدام مياه الصرف فى دلتا نهر النيل ، كمـــا يهدف أيضا الى أبراز النواحى الفنية الممكنة فى أيجـــاد تلك الوسائـــل .

* الفريق البحثى للمشـــروع :-

مدير المشـــروع :

د.م / محمد محمود جاســـــــــــــــر

د. / ب. أ. ريتمـــــــــــــــا

رئيس الشعبـــة :

د. / سامية محمود سعد الدين الجنـــــــدى

د.م / ضيـاء الدين احمد حسين القوصـــــــى

* الخبراء الهولنديـن المقيميـــن :

* المستـــر / ديتمـــر بولـــــــــــــن
* المستـر / مارين ماسكنـــــــــــــت
* المستـــر / هاندريك بانتـــــــــــزدورب
* المستـــر / روبـرت سميـــــــــــــت

* الفريق المصرى للمشـــــــــــروع :

١ - الدكتـور / محمد احمد عبد الخالـــــــــــق

٢ - الدكتورة / شادين عبد الجـــــــــــواد

مشروع اعاده أستخدام ميـــاه الصـرف نشـاط مشتـرك بيـــــــــــن :-

معهـد بحوث الصـــــــــــــــرف ـ الجيـزه ـ جمهوريه مصر العربيـــــــة

ومعهد بحوث اداره الاراضى والميـــــاة ـ فاجننجن ـ هولنـــــــــــــــــدا

وتعتبـر الجهـه الممولـه للمشروع وزاره الرى بجهوريه مصر العربيـــــــــــــــة ووزاره العلاقات الخارجيـه بهولنـدا فى أطار البرنـامج المشترك للتعاون الفنـــــى بين مصـر وهولنـــــدا ٠

ويعمل المجلس الاستشـارى المصـرى الهولنـدى كهيئـه مشـرفة ٠

نتائج الدراسات التى تمت خلال هذا المشـروع ستعرض اما فى تقارير مبدئيـــــــة او تقاريـر نهائيـــه ٠ حيث ان محتويات التقارير المبدئيه ممكن تختلف بشـــدة من تقديم مبسط للبيانات او مناقشات لنتائج وخلاصات بحثيـــه ٠

الاراء والتوصيات الموجوده فى التقاريـر السابقه تعتبـر اراء .لمؤلف فقـــــط وليس لهـا علاقـه بالمعاهـــــد اوالوزارات المعنيـة ٠

مشروع اعادة استخدام مياة الصرف

تقرير رقم ١٣

الكتاب السنوى

الدلتا النيل ١٩٨٤

التصرفات والتحاليل الكيماويه لمياه الصرف

الفريق البحثى

١٩٨٦

معهد بحوث الصرف مركز البحوث المائية ج. م. ع.

معهد بحوث ادارة الاراضى والمياة

واخننجن، هولندا

بسم الله الرحمن الرحيم

"وجعلنا من الماء كل شئ حي"

صدق الله العظيم