YEARBOOK 1980-1983 MIDDLE DELTA DISCHARGE AND CHEMICAL COMPOSITION DRAINAGE WATER

PROJECT TEAM

REPORT 11

DRAINAGE RESEARCH INSTITUTE, GIZA, EGYPT (DRI)

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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 premilinary 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.

All 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.

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1. INTRODUCTION

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 stratagies 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 Re-use 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 waterquality 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 are regularly taken. The chemical composition is determined and water quality parameters are calculated.

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 conposition 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.

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 avarages and weighted with respect to discharges.

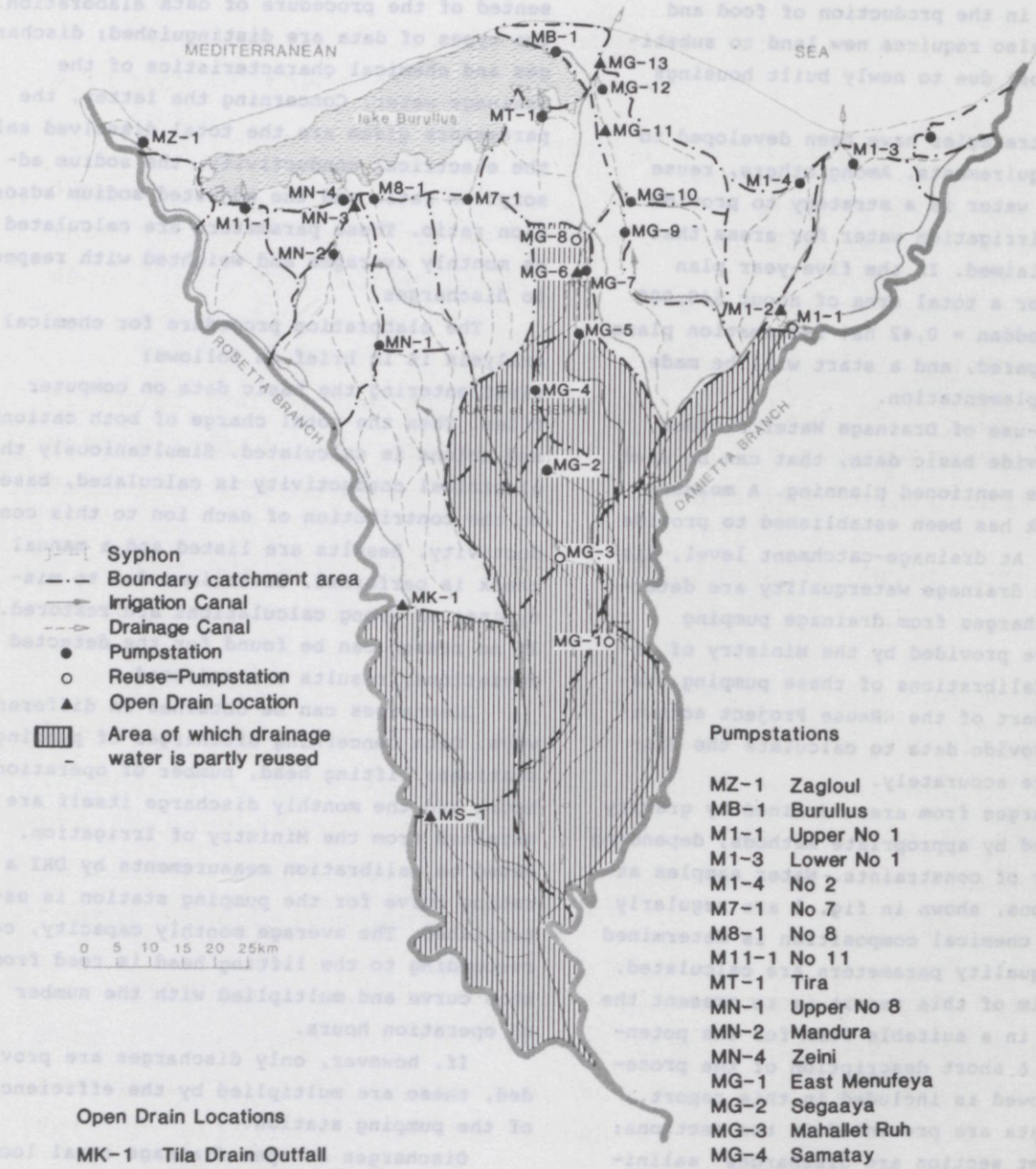
The elaboration procedure for chemical analysis is in brief as follows:
first entering the basic data on computer files. Then the total charge of both cations and anions is calculated. Simultaniously the electrical conductivity is calculated, based on the contribution of each ion to this conductivity. 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 float-measurements, by pendulum, 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.



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. 1. General view of the network in the Middle Delta

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.

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 waterdepth(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 lavel 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. Float measurements

Float measurement consists of the measurement of the flow velocity at the surface. In cases with regularly shaped cross-sections, the surface flow velocity at a certain point is related to the average flow velocity in the sub section.

In most cases the average velocity in the sub-section is about 85% of the surface velocity.
Measuring at a number of locations, at different distances from the banks the surface velocity, gives ultimately the total discharge at that location.

Floats can be subject to wind effects, giving deviating results. Applied under bridges with contracting stream lines, could give

erraneous results. Data from float-measurements should be considered tentatively.

2.4. Pendulum measurements

The principle of the pendulum meter is based on the force acting on resistance bodies, fixed in streaming water. The magnitude of this force, is closely related to the flow velocity and to the shape of the body. With pendulum measurements, a torpedo shaped body with two incinated rearwings is submerged. This body is connected to a wire and is hanging vertical if no velocity is present. The water velocity causes a deviation of the wire from the vertical position. The angle between the wire and the vertical is a measure for the velocity. For each type of body such a relation is available. Measuring at different depths, at different locations provides a velocity distribution in the cross-section and consequently a discharge at that moment.

2.5. 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 differnce in total charge of the cations and the anions, the concentration of SO_4, has been calculated. More over 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 ion. 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.

2.6. 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, whether supplied by the factory or from calibration measurements. If no calibrations are available the factory provided rating curve has been used. In other cases the guarantee capacity has been used or the average capacity from the 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 situations 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. 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. 2).

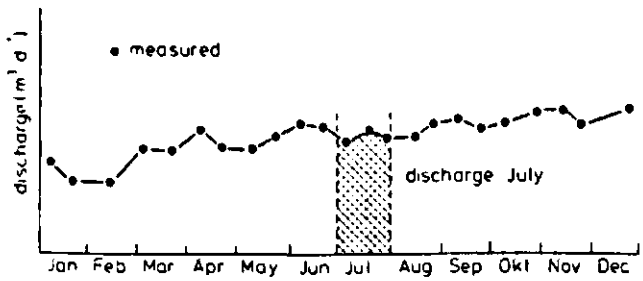


Fig. 2. Schematic presentation, determination discharge per month

The average waterquality 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 waterquality 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:

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

In general four categories are used with limits 8, 12 and 18, where irrigation water having SAR > 18 is in general unsuitable for irrigation except 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:

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

where:

$$pHc = (pK'2 - pK'c) + p(Ca + Mg) + pALK$$

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 strength. At pHc values less than 8.4 the soluable calcium tends to precipitate, 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. DISCHARGES AND WATERQUALITY 1980-1983

3.1. Discharge, salinity and sodium hazard

LOCATION : M101 UPPER PS NO 1 YEAR : 1980 CODE : 11
Q = 6.490 - (0.330) * H ; QCAP = 5.754 HAV = 2.230

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	4.91	3.56	-	-	-	-
2	2.33	2.65	-	-	-	-
3	4.55	5.24	-	-	-	-
4	3.11	3.58	-	-	-	-
5	3.19	3.66	-	-	-	-
6	5.16	5.92	1.04	695.	4.74	9.86
7	6.72	7.65	0.98	676.	3.85	8.40
8	6.22	7.13	0.91	638.	3.21	7.01
9	5.85	6.73	0.86	604.	3.90	8.10
10	4.31	4.51	0.75	527.	2.15	4.64
11	3.36	3.85	0.52	341.	1.53	2.76
12	3.63	4.15	1.11	742.	4.05	8.46
1980	53.34	58.62	-	-	-	-

LOCATION : M101 UPPER PS NO 1 YEAR : 1981 CODE : 11
Q = 6.490 - (0.330) * H ; QCAP = 5.754 HAV = 2.230

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	2.31	2.64	1.86	1258.	5.89	14.41
2	1.17	1.37	5.59	3348.	13.61	37.12
3	3.67	4.26	0.99	639.	2.92	6.44
4	3.59	4.07	0.68	462.	2.81	4.92
5	1.92	2.14	1.52	1061.	7.03	15.71
6	3.73	4.33	1.83	1258.	9.24	21.29
7	7.50	8.65	1.19	824.	5.47	11.65
8	4.70	5.44	1.17	821.	3.59	8.33
9	4.52	5.19	0.80	569.	2.67	5.81
10	3.38	3.85	1.16	755.	4.38	9.57
11	2.17	2.43	1.37	909.	4.73	11.12
12	1.78	2.05	1.28	880.	3.89	8.89
1981	40.44	46.42	1.34	898.	5.08	11.46

LOCATION : M101 UPPER PS NO 1 YEAR : 1982 CODE : 11
Q = 6.490 - (0.330) * H ; QCAP = 5.754 HAV = 2.230

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	1.81	1.97	2.05	1235.	5.65	13.19
2	0.57	0.66	3.72	2161.	7.32	19.07
3	1.73	1.98	2.01	1453.	5.63	15.28
4	5.74	6.52	1.12	797.	5.44	11.92
5	4.87	5.59	0.95	685.	3.75	8.02
6	5.09	5.86	-	-	-	-
7	9.47	10.83	0.97	704.	4.57	9.75
8	5.00	5.79	1.36	996.	4.05	10.03
9	4.38	8.63	1.31	978.	5.91	13.11
10	3.38	3.85	1.79	1271.	7.17	16.93
11	2.64	3.02	1.01	652.	4.37	7.77
12	3.95	2.23	1.06	693.	3.82	7.88
1982	48.63	56.92	-	-	-	-

LOCATION : M101 UPPER PS NO 1 YEAR : 1983 CODE : 11
Q = 6.490 - (0.330) * H ; QCAP = 5.754 HAV = 2.230

MONTH	DISCHARGE 10**6 M3 DESIGN	DISCHARGE 10**6 M3 DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	3.79	4.38	-	-	-	-
2	1.31	1.51	2.52	1575.	7.01	16.76
3	2.09	2.45	1.29	946.	7.71	16.47
4	3.48	4.00	-	-	-	-
5	5.87	6.72	1.23	848.	8.55	15.52
6	8.57	9.80	1.21	815.	6.18	12.14
7	11.80	13.51	1.05	728.	4.31	8.96
8	9.30	10.73	1.60	1142.	7.77	18.07
9	9.38	10.78	1.16	790.	5.14	11.16
10	7.61	8.77	1.41	943.	6.08	12.95
11	6.40	7.32	-	-	-	-
12	6.67	7.59	1.47	995.	4.96	11.48
1983	76.27	87.97	-	-	-	-

LOCATION : M102 BRIDGE DRAIN NO 1 YEAR : 1980 CODE : 21
Q = 12.890 - 5.370* HM ; R2 = [0.970]

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
5	-	12.71	0.66	466.	1.80	3.77
6	-	12.26	0.72	491.	1.92	4.09
7	-	16.07	0.78	539.	2.08	4.49
8	-	16.58	0.91	611.	2.59	5.33
9	-	16.66	0.82	560.	2.69	5.63
10	-	13.96	-	-	-	-
11	-	12.04	0.89	536.	3.14	5.79
12	-	14.91	0.94	592.	4.67	8.53
1980	-	-	-	-	-	-

LOCATION : M102 BRIDGE DRAIN NO 1 YEAR : 1981 CODE : 21
Q = 12.890 - 5.370* HM ; R2 = [0.970]

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	5.03	1.50	994.	6.95	14.92
2	-	5.79	1.26	869.	5.26	11.73
3	-	9.46	0.92	661.	5.38	10.90
4	-	10.19	0.87	659.	4.03	8.81
5	-	7.56	0.93	719.	5.13	11.06
6	-	8.35	1.33	1005.	8.17	18.07
7	-	11.03	1.16	855.	3.86	8.86
8	-	11.41	1.28	932.	3.63	9.07
9	-	10.29	0.81	566.	2.47	5.47
10	-	9.38	0.74	502.	2.31	4.78
11	-	7.76	0.76	572.	2.85	6.21
12	-	7.70	0.97	731.	3.74	8.55
1981	-	103.96	1.03	745.	4.18	9.37

LOCATION : M102 BRIDGE DRAIN NO 1 YEAR : 1982 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	1.59	1118.	5.00	12.51
2	-	-	1.11	757.	3.09	7.02
3	-	-	0.92	640.	2.76	6.18
4	-	-	1.10	771.	4.82	10.64
5	-	-	0.89	634.	3.27	7.00
6	-	-	-	-	-	-
7	-	-	1.16	868.	5.04	11.48
8	-	-	-	-	-	-
9	-	-	1.14	857.	4.08	9.54
10	-	-	0.90	676.	3.71	8.11
11	-	-	0.75	514.	3.28	5.62
12	-	-	0.75	517.	2.45	4.89
1982	-	-	-	-	-	-

LOCATION : M102 BRIDGE DRAIN NO 1 YEAR : 1983 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	1.65	1090.	5.74	12.45
3	-	-	1.27	834.	7.92	14.57
4	-	-	-	-	-	-
5	-	-	1.47	1015.	7.31	15.29
6	-	-	1.44	955.	7.10	14.58
7	-	-	1.65	1108.	6.49	14.47
8	-	-	1.87	1344.	9.74	22.86
9	-	-	1.75	1241.	9.03	20.32
10	-	-	1.23	901.	7.77	15.92
11	-	-	-	-	-	-
12	-	-	1.26	854.	4.81	10.32
1983	-	-	-	-	-	-

LOCATION : M103 PS NO 1 YEAR : 1980 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	71.00	-	-	-	-	-
2	54.80	-	-	-	-	-
3	91.36	-	-	-	-	-
4	119.61	-	-	-	-	-
5	102.16	-	-	-	-	-
6	137.09	-	1.49	918.	5.43	11.51
7	154.11	-	1.81	1164.	6.32	14.39
8	144.13	-	1.92	1215.	6.22	14.39
9	139.37	-	1.76	1082.	5.61	12.75
10	103.27	-	2.25	1422.	6.58	16.43
11	98.60	-	1.75	1086.	4.48	10.75
12	84.86	-	3.78	2526.	11.82	27.46
1980	1300.36	-	-	-	-	-

LOCATION : M103 PS NO 1 YEAR : 1981 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	80.47	-	3.79	2470.	11.91	28.98
2	48.77	-	4.61	2871.	8.52	24.62
3	96.25	-	1.76	1046.	6.25	13.50
4	108.64	-	1.70	1078.	5.67	12.67
5	95.63	-	1.94	1270.	5.76	13.38
6	112.62	-	2.05	1381.	6.69	15.35
7	136.10	-	1.89	1234.	6.13	13.90
8	134.58	-	1.95	1267.	6.49	14.50
9	133.48	-	1.72	1067.	5.18	11.92
10	110.26	-	2.12	1320.	6.61	15.08
11	101.09	-	2.01	1248.	6.39	14.34
12	85.86	-	2.34	1494.	7.38	16.73
1981	1243.75	-	2.16	1375.	6.74	15.62

LOCATION : M103 PS NO 1 YEAR : 1982 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	73.08	-	3.86	2281.	9.34	22.87
2	37.00	-	3.92	2254.	10.57	25.48
3	81.97	-	1.92	1150.	5.92	13.67
4	86.56	-	1.84	1147.	5.55	12.83
5	93.64	-	1.60	1028.	5.49	11.60
6	111.78	-	-	-	-	-
7	175.36	-	1.35	892.	3.86	8.78
8	137.98	-	2.26	1404.	5.99	12.71
9	117.03	-	2.31	1555.	8.18	18.75
10	98.36	-	2.15	1394.	7.70	17.11
11	89.74	-	1.47	924.	5.45	11.42
12	82.12	-	2.05	1277.	7.76	17.03
1982	1184.62	-	-	-	-	-

LOCATION : M103 PS NO 1 YEAR : 1983 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	81.61	-	-	-	-	-
2	39.68	-	6.34	3765.	13.96	35.93
3	84.49	-	2.28	1448.	8.16	17.68
4	106.44	-	-	-	-	-
5	103.98	-	2.17	1441.	8.87	19.25
6	106.51	-	2.06	1385.	7.95	17.88
7	139.81	-	2.55	1649.	9.05	20.75
8	129.04	-	2.51	1563.	6.75	16.53
9	119.09	-	2.43	1522.	7.97	18.42
10	101.40	-	2.87	1810.	8.73	20.68
11	88.86	-	-	-	-	-
12	77.62	-	1.87	1177.	5.84	13.38
1983	1178.53	-	-	-	-	-

LOCATION : M104 PS NO 2 YEAR : 1980 CODE : 11
Q = 9.860 - (0.970) * H ; QCAP = 7.416 HAV = 2.520

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	27.17	27.15	-	-	-	-
2	15.36	12.62	-	-	-	-
3	34.10	30.14	-	-	-	-
4	46.10	33.39	-	-	-	-
5	34.30	25.57	1.48	907.	4.52	10.07
6	38.02	34.63	1.31	812.	4.69	9.96
7	50.69	44.27	1.66	1059.	4.93	11.49
8	48.56	47.56	1.59	1041.	4.81	11.34
9	47.81	45.55	1.45	928.	4.69	10.70
10	42.67	50.37	0.99	677.	2.11	4.89
11	29.43	28.35	1.71	1127.	3.06	7.91
12	30.95	30.51	1.77	1051.	3.69	8.75
1980	445.16	410.12	-	-	-	-

LOCATION : M104 PS NO 2 YEAR : 1981 CODE : 11
Q = 9.860 - (0.970) * H ; QCAP = 7.416 HAV = 2.520

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	23.35	22.02	2.74	1886.	8.96	21.90
2	14.84	14.16	2.96	1762.	6.39	15.98
3	28.59	27.89	1.71	1012.	5.61	12.08
4	32.40	31.09	1.46	915.	4.36	9.58
5	23.03	20.88	1.90	1201.	6.02	13.78
6	33.62	32.89	1.77	1103.	4.57	10.69
7	47.87	46.00	1.74	1119.	4.18	10.04
8	46.39	46.52	1.77	1122.	4.44	10.59
9	44.42	44.32	1.70	1041.	4.66	10.88
10	39.45	39.16	1.43	866.	3.85	8.64
11	29.05	26.98	1.70	1093.	4.87	11.21
12	31.00	28.73	1.78	1137.	5.78	12.65
1981	394.01	380.65	1.80	1131.	5.03	11.68

LOCATION : M104 PS NO 2 YEAR : 1982 CODE : 11
Q = 9.860 - (0.970) * H ; QCAP = 7.416 HAV = 2.520

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	23.20	22.27	2.55	1524.	5.49	13.44
2	14.53	13.78	2.20	1269.	4.64	10.83
3	28.22	27.53	1.51	905.	3.94	8.71
4	25.95	23.07	1.84	1152.	5.55	12.59
5	25.00	24.17	1.39	898.	4.48	9.75
6	29.98	30.25	-	-	-	-
7	42.53	42.71	1.72	1124.	6.11	13.68
8	39.18	38.18	2.11	1273.	6.24	12.87
9	35.64	34.64	2.30	1556.	7.89	18.54
10	36.67	37.31	1.59	1064.	5.70	12.46
11	24.08	23.88	1.67	1078.	6.21	13.46
12	26.51	26.11	1.69	1035.	6.05	12.91
1982	371.49	343.90	-	-	-	-

LOCATION : M104 PS NO 2 YEAR : 1983 CODE : 11
Q = 9.860 - (0.970) * H ; QCAP = 7.416 HAV = 2.520

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	27.97	28.09	-	-	-	-
2	12.61	12.12	5.84	3449.	10.53	27.22
3	28.24	27.87	1.85	1171.	6.83	14.21
4	30.59	31.71	-	-	-	-
5	32.32	32.04	1.94	1284.	8.38	17.47
6	28.26	27.76	2.23	1390.	8.06	18.04
7	43.98	44.93	2.14	1230.	9.76	19.82
8	43.96	42.40	2.16	1369.	7.72	18.12
9	41.04	39.36	2.11	1328.	6.77	16.12
10	33.91	32.96	2.22	1458.	6.14	14.87
11	26.95	25.14	-	-	-	-
12	32.12	30.11	1.97	1187.	6.41	14.53
1983	381.95	374.50	-	-	-	-

LOCATION : M111 PS NO 11 YEAR : 1980 CODE : 11
Q = 7.050 - (0.000) * H ; QCAP = 7.050 HAV = 2.790

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	14.93	14.04	-	-	-	-
2	13.39	12.59	-	-	-	-
3	22.30	20.96	-	-	-	-
4	33.13	31.14	-	-	-	-
5	37.58	35.91	-	-	-	-
6	40.28	37.87	1.84	1209.	5.62	13.61
7	-	-	-	-	-	-
8	-	-	-	-	-	-
9	58.91	55.35	1.42	897.	3.64	8.65
10	47.79	44.92	1.57	1014.	3.56	8.78
11	33.86	31.83	2.09	1351.	4.34	11.03
12	26.06	24.49	3.23	2137.	8.15	20.58
1980	-	-	-	-	-	-

LOCATION : M111 PS NO 11 YEAR : 1981 CODE : 11
Q = 7.050 - (0.000) * H ; QCAP = 7.050 HAV = 2.790

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	24.31	22.92	3.22	2012.	8.60	21.21
2	14.47	23.76	2.86	1778.	8.87	22.45
3	29.35	45.91	1.50	1001.	5.60	13.21
4	36.18	35.61	1.78	1116.	5.72	12.92
5	35.18	34.47	1.55	955.	4.67	10.68
6	35.05	32.94	1.83	1216.	5.13	12.52
7	44.01	41.12	1.74	1157.	9.17	19.48
8	46.76	43.96	1.83	1183.	5.90	13.66
9	52.11	48.98	1.76	1149.	3.88	8.86
10	44.34	41.72	1.45	918.	4.28	9.82
11	32.43	33.27	1.81	1385.	5.07	13.83
12	29.24	27.44	2.47	1754.	6.98	18.55
1981	423.43	432.09	1.89	1239.	5.85	14.09

LOCATION : M111 PS NO 11 YEAR : 1982 CODE : 11
Q = 7.050 - (0.000) * H ; QCAP = 7.050 HAV = 2.790

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	23.09	21.70	3.25	1922.	5.79	14.62
2	8.91	8.38	4.17	2368.	6.90	18.38
3	18.41	17.87	2.97	1760.	7.13	17.91
4	36.78	34.67	1.69	1049.	5.46	12.42
5	41.88	39.36	1.53	966.	4.31	9.71
6	46.01	43.55	1.53	964.	4.30	9.99
7	53.70	50.48	1.50	955.	4.93	10.96
8	54.24	50.99	1.91	1189.	4.14	9.01
9	57.51	54.06	2.11	1525.	6.20	15.10
10	42.07	39.54	1.72	1143.	5.92	13.41
11	34.97	32.87	1.49	938.	5.71	11.70
12	27.69	26.95	1.88	1144.	6.66	14.28
1982	445.26	420.42	1.90	1207.	5.32	12.33

LOCATION : M111 PS NO 11 YEAR : 1983 CODE : 11
Q = 7.050 - (0.000) * H ; QCAP = 7.050 HAV = 2.790

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	29.55	27.97	-	-	-	-
2	9.72	9.14	5.47	3106.	11.92	29.29
3	21.42	20.23	2.53	1546.	8.14	18.09
4	33.18	31.32	-	-	-	-
5	47.46	44.01	1.99	1310.	8.45	18.56
6	48.18	43.12	2.00	1279.	7.93	18.19
7	44.71	42.03	1.73	1141.	6.57	15.44
8	57.16	53.73	1.55	1088.	5.48	13.12
9	56.59	53.55	1.67	1118.	5.76	13.17
10	46.79	43.96	1.43	1023.	3.87	8.81
11	33.45	31.47	-	-	-	-
12	31.05	29.19	-	-	-	-
1983	459.26	429.71	-	-	-	-

LOCATION : M701 PS NO 7 YEAR : 1980 CODE : 11
Q = 8.960 - (1.120) * H ; QCAP = 5.600 HAV = 3.000

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	18.77	20.73	-	-	-	-
2	11.29	12.64	-	-	-	-
3	24.30	27.49	-	-	-	-
4	22.48	25.23	-	-	-	-
5	24.35	27.95	2.89	1784.	7.36	17.58
6	28.06	31.43	3.33	1988.	6.68	17.04
7	39.10	44.93	3.50	2128.	8.99	22.30
8	38.39	44.03	3.90	2329.	9.88	25.09
9	39.06	44.10	3.96	2450.	11.29	27.80
10	32.78	36.71	3.80	2349.	8.21	21.44
11	26.84	30.06	4.03	2386.	8.31	21.86
12	29.56	28.63	7.43	5072.	21.09	52.70
1980	330.98	373.52	-	-	-	-

LOCATION : M701 PS NO 7 YEAR : 1981 CODE : 11
Q = 8.960 - (1.120) * H ; QCAP = 5.600 HAV = 3.000

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	22.90	25.64	6.95	4751.	17.70	45.68
2	13.73	15.38	5.59	3467.	11.78	30.50
3	22.32	25.00	3.97	2350.	9.96	23.72
4	24.32	27.24	4.27	2766.	11.36	27.41
5	22.41	25.10	3.55	2269.	10.56	25.17
6	26.10	29.23	2.32	1495.	6.06	14.82
7	33.80	37.86	4.07	2629.	13.90	33.35
8	29.57	33.12	4.06	2511.	10.18	25.60
9	34.07	38.16	3.69	2080.	9.14	22.55
10	29.03	31.87	4.21	2330.	9.98	24.20
11	24.49	27.46	5.43	3139.	12.98	31.65
12	20.20	22.62	4.94	3137.	12.73	30.69
1981	302.94	338.68	4.30	2667.	11.39	27.91

LOCATION : M701 PS NO 7 YEAR : 1982 CODE : 11
Q = 8.960 - (1.120) * H ; QCAP = 5.600 HAV = 3.000

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	22.27	24.94	6.66	3910.	12.19	31.39
2	13.50	15.12	5.44	3028.	9.32	23.90
3	23.58	26.41	4.02	2290.	8.83	21.71
4	26.08	29.50	3.15	1902.	9.11	21.45
5	26.91	30.14	2.80	1738.	8.50	19.40
6	34.40	32.26	3.04	1879.	8.45	20.90
7	37.49	42.83	3.10	1964.	8.88	21.53
8	31.41	35.04	3.98	2542.	11.31	26.28
9	33.86	37.92	3.77	2470.	11.97	28.81
10	28.08	31.45	3.78	2288.	10.02	23.78
11	25.47	28.43	3.01	1776.	8.96	20.04
12	23.85	26.71	3.02	1729.	7.20	16.87
1982	326.90	360.75	3.69	2241.	9.61	23.16

LOCATION : M701 PS NO 7 YEAR : 1983 CODE : 11
Q = 8.960 - (1.120) * H ; QCAP = 5.600 HAV = 3.000

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	28.49	31.91	-	-	-	-
2	10.93	12.24	7.90	4897.	14.88	39.29
3	21.31	24.11	4.23	2569.	11.78	26.56
4	22.91	26.65	3.24	2065.	11.33	25.03
5	27.05	30.30	2.89	1874.	11.15	24.28
6	28.39	31.79	2.53	1607.	8.61	19.56
7	34.90	39.03	2.63	1683.	8.14	19.39
8	23.36	28.18	3.92	2661.	10.52	27.45
9	23.96	27.60	3.21	2094.	10.60	24.51
10	21.37	23.93	2.83	1809.	6.95	17.01
11	17.33	19.45	-	-	-	-
12	16.83	18.85	3.11	1848.	7.69	18.47
1983	276.43	314.06	-	-	-	-

LOCATION : M801 PS NO 8 YEAR : 1980 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	39.12	27.73	-	-	-	-
2	26.33	17.08	-	-	-	-
3	44.69	29.10	-	-	-	-
4	56.05	39.73	-	-	-	-
5	45.71	37.96	3.00	1725.	7.33	17.62
6	41.20	31.48	3.50	2095.	8.63	22.07
7	48.84	34.62	3.66	2280.	10.06	25.62
8	56.59	40.49	3.10	3046.	13.09	33.90
9	52.89	38.54	2.77	1762.	8.48	20.79
10	30.65	19.89	3.17	1971.	7.02	18.64
11	19.22	13.42	3.87	2328.	8.84	23.44
12	21.33	13.79	6.82	4436.	18.41	46.26
1980	482.62	343.78	-	-	-	-

LOCATION : M801 PS NO 8 YEAR : 1981 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	17.44	11.32	7.96	4976.	27.30	64.84
2	8.99	5.76	8.48	4951.	17.43	45.98
3	24.60	16.62	3.62	2110.	9.85	22.85
4	22.90	15.01	2.94	1646.	8.34	19.85
5	27.46	17.94	3.59	2247.	10.58	25.29
6	30.11	19.47	6.07	3718.	14.06	35.09
7	35.45	24.83	5.36	3454.	14.53	36.75
8	33.74	24.43	4.21	2510.	10.32	26.34
9	35.86	26.60	3.96	2263.	10.23	25.74
10	32.24	23.28	4.44	2484.	10.25	25.38
11	22.87	14.44	5.34	3097.	11.15	28.45
12	23.52	14.85	4.54	2850.	11.31	27.08
1981	319.18	214.54	4.74	2855.	12.22	30.29

LOCATION : M801 PS NO 8 YEAR : 1982 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	22.71	14.57	6.24	3804.	13.95	35.13
2	10.75	8.04	6.25	3677.	12.24	31.62
3	15.88	10.19	4.51	2654.	9.32	24.28
4	22.68	14.52	5.57	3364.	12.59	31.98
5	23.73	15.88	4.23	2546.	10.66	25.30
6	29.48	20.80	3.30	2035.	8.88	21.67
7	34.32	22.20	4.19	2692.	11.70	29.31
8	28.94	19.87	5.47	3476.	14.03	32.85
9	31.13	25.12	5.81	3792.	16.21	41.27
10	26.16	20.69	5.61	3403.	12.84	33.16
11	25.84	19.40	-	-	-	-
12	27.95	20.80	4.26	2446.	10.60	25.03
1982	299.57	212.07	-	-	-	-

LOCATION : M801 PS NO 8 YEAR : 1983 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	31.59	25.12	-	-	-	-
2	9.37	6.06	6.70	4020.	12.83	33.19
3	21.41	16.55	-	-	-	-
4	22.70	17.54	-	-	-	-
5	22.71	17.85	4.78	3068.	15.24	35.44
6	28.70	21.61	5.25	3410.	14.27	36.66
7	39.18	28.29	4.44	2794.	11.72	30.10
8	35.72	24.76	-	-	-	-
9	39.15	29.57	3.46	2317.	11.13	27.73
10	32.58	24.26	4.06	2787.	10.16	25.82
11	28.84	19.50	-	-	-	-
12	31.46	22.22	4.31	2551.	9.57	24.30
1983	343.41	253.32	-	-	-	-

LOCATION : M001 EAST MENUFEYA PS YEAR : 1980 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	6.38	-	-	-	-	-
2	7.03	-	-	-	-	-
3	12.85	-	-	-	-	-
4	9.71	-	-	-	-	-
5	10.49	-	0.82	592.	1.86	4.18
6	12.48	-	0.62	427.	1.91	3.74
7	10.53	-	0.82	581.	2.06	4.60
8	14.20	-	0.97	692.	2.52	5.89
9	14.68	-	0.89	626.	2.42	5.42
10	8.24	-	0.88	612.	1.98	4.52
11	12.37	-	1.08	701.	1.85	4.44
12	9.88	-	0.98	733.	2.00	4.93
1980	128.84	-	-	-	-	-

LOCATION : M001 EAST MENUFEYA PS YEAR : 1981 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	10.42	-	1.10	810.	2.80	6.81
2	7.83	-	1.37	990.	4.33	10.83
3	11.76	-	0.83	573.	2.08	4.51
4	9.50	-	1.33	971.	3.91	9.35
5	11.30	-	0.91	649.	2.24	5.14
6	15.09	-	0.93	653.	2.09	4.94
7	14.94	-	0.89	628.	1.69	3.94
8	16.82	-	0.94	662.	1.99	4.42
9	16.16	-	0.77	538.	1.72	3.77
10	9.84	-	0.98	699.	2.56	6.05
11	11.68	-	1.14	820.	3.12	7.34
12	14.11	-	1.16	824.	2.50	5.92
1981	149.45	-	1.00	712.	2.45	5.70

LOCATION : M001 EAST MENUFEYA PS YEAR : 1982 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	11.14	-	1.56	1124.	3.08	7.92
2	5.68	-	1.51	1068.	2.74	6.91
3	12.62	-	0.60	409.	2.22	4.15
4	9.80	-	1.07	750.	2.64	6.32
5	11.75	-	0.85	606.	1.83	4.20
6	11.19	-	0.97	699.	2.92	6.76
7	14.41	-	0.95	650.	2.91	6.31
8	12.27	-	1.20	795.	2.99	6.24
9	15.80	-	0.93	682.	2.36	5.32
10	10.20	-	1.11	822.	2.88	6.76
11	12.20	-	-	-	-	-
12	12.14	-	0.86	620.	2.68	5.76
1982	139.20	-	-	-	-	-

LOCATION : M001 EAST MENUFEYA PS YEAR : 1983 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	12.69	-	-	-	-	-
2	4.09	-	1.89	1355.	4.22	10.88
3	9.73	-	0.86	587.	2.07	4.39
4	6.42	-	-	-	-	-
5	10.37	-	0.78	542.	2.42	5.09
6	8.49	-	0.94	665.	2.71	6.11
7	9.12	-	1.28	869.	3.77	8.71
8	7.37	-	-	-	-	-
9	12.67	-	2.06	1337.	9.36	18.96
10	9.06	-	1.16	787.	2.61	6.18
11	9.48	-	-	-	-	-
12	11.80	-	0.93	686.	1.96	4.68
1983	111.29	-	-	-	-	-

LOCATION : MOO2 BEGAAYA PS YEAR : 1980 CODE : 11
Q = 5.540 - (0.440) * H ; QCAP = 5.448 HAV = 0.210

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	8.32	9.10	-	-	-	-
2	8.16	8.72	-	-	-	-
3	12.40	13.42	-	-	-	-
4	10.29	11.26	-	-	-	-
5	17.27	18.59	1.08	737.	2.31	5.31
6	13.40	14.76	0.99	684.	2.79	6.24
7	14.89	17.94	1.13	794.	3.15	7.48
8	23.56	24.90	1.14	803.	3.19	7.51
9	22.28	23.51	1.16	798.	3.54	8.25
10	14.36	17.99	1.40	940.	2.73	6.90
11	12.44	15.22	1.21	788.	1.98	4.80
12	13.00	14.31	1.25	897.	3.42	8.24
1980	174.37	189.71	-	-	-	-

LOCATION : MOO2 BEGAAYA PS YEAR : 1981 CODE : 11
Q = 5.540 - (0.440) * H ; QCAP = 5.448 HAV = 0.210

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	9.50	10.36	1.50	1029.	3.68	9.15
2	6.62	7.14	1.65	1039.	5.50	12.63
3	9.38	10.27	1.06	701.	2.77	6.12
4	10.73	10.59	1.99	1383.	6.87	15.84
5	15.35	11.79	2.54	1725.	9.69	21.96
6	21.62	16.81	1.22	788.	3.45	7.87
7	22.45	23.34	1.16	818.	3.36	7.77
8	22.21	24.18	1.07	774.	3.01	6.89
9	13.24	24.04	0.95	658.	2.62	5.91
10	8.92	14.56	1.05	713.	2.96	6.69
11	9.19	9.97	1.33	923.	3.63	8.53
12	9.63	9.99	1.45	1031.	4.33	9.88
1981	158.80	173.09	1.32	907.	4.05	9.29

LOCATION : MOO2 BEGAAYA PS YEAR : 1982 CODE : 11
Q = 5.540 - (0.440) * H ; QCAP = 5.448 HAV = 0.210

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	11.12	12.13	1.58	1057.	3.87	9.45
2	5.89	6.55	1.43	945.	3.32	7.92
3	12.23	12.09	0.88	598.	3.24	6.58
4	10.09	9.37	1.36	931.	4.15	9.69
5	9.03	9.74	1.07	726.	2.57	5.88
6	14.21	15.37	-	-	-	-
7	22.37	20.02	0.92	636.	2.57	5.71
8	18.93	21.93	1.17	756.	2.90	5.65
9	14.35	15.73	1.42	1047.	4.94	11.39
10	17.57	19.31	1.09	785.	3.76	8.38
11	12.39	16.50	-	-	-	-
12	12.79	14.18	1.01	704.	3.10	6.92
1982	160.97	172.94	-	-	-	-

LOCATION : MOO2 BAGAAIA PS YEAR : 1983 CODE : 11
Q = 5.540 - (0.440) * H ; QCAP = 5.448 HAV = 0.210

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	13.22	14.21	-	-	-	-
2	5.66	6.38	2.37	1601.	5.47	14.11
3	8.54	9.52	1.09	739.	3.90	8.38
4	9.53	10.15	-	-	-	-
5	15.06	16.49	0.96	664.	4.13	8.39
6	19.16	20.37	1.16	763.	4.22	9.10
7	21.93	23.81	1.35	947.	5.12	11.52
8	22.89	24.45	1.27	926.	4.49	10.42
9	23.63	22.02	1.20	833.	4.38	9.70
10	16.71	18.96	1.48	980.	4.88	11.12
11	15.81	18.59	-	-	-	-
12	17.68	19.12	1.35	864.	2.88	6.90
1983	189.82	204 08	-	-	-	-

LOCATION : M003 MAHALLET RUH PS YEAR : 1980 CODE : 11
Q = 2.460 - (0.000) * H ; QCAP = 2.460 HAV = 2.120

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	7.67	7.55	-	-	-	-
2	4.53	4.45	-	-	-	-
3	6.87	6.77	-	-	-	-
4	8.49	8.35	-	-	-	-
5	6.89	6.78	1.07	748.	2.97	6.75
6	6.60	6.49	0.90	629.	2.18	4.96
7	6.21	6.11	1.05	752.	2.43	5.76
8	7.25	7.14	1.50	1052.	3.95	9.83
9	9.95	9.79	1.22	847.	3.52	8.28
10	7.41	7.30	1.07	740.	1.61	3.96
11	6.64	6.54	1.38	903.	2.32	5.74
12	7.16	7.14	1.40	978.	2.83	6.94
1980	85.67	84.41	-	-	-	-

LOCATION : M003 MAHALLET RUH PS YEAR : 1981 CODE : 11
Q = 2.460 - (0.000) * H ; QCAP = 2.460 HAV = 2.120

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	6.56	6.46	1.38	963.	3.14	7.82
2	3.98	3.92	1.36	1021.	3.82	9.34
3	7.36	7.24	1.04	693.	2.70	5.97
4	8.88	8.77	1.15	805.	3.06	7.13
5	7.14	7.02	1.35	907.	5.88	12.59
6	7.32	7.20	1.04	728.	3.39	7.56
7	7.59	7.47	0.98	702.	2.78	6.30
8	9.26	9.11	1.03	723.	2.55	5.75
9	11.72	11.53	0.89	610.	1.77	3.98
10	8.29	8.11	1.05	734.	2.70	6.20
11	7.04	6.93	1.32	925.	3.95	9.13
12	6.59	6.48	1.32	910.	2.34	5.56
1981	89.69	88.24	1.14	787.	3.02	6.93

LOCATION : M003 MAHALLET RUH PS YEAR : 1982 CODE : 11
Q = 2.460 - (0.000) * H ; QCAP = 2.460 HAV = 2.120

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	6.95	6.49	1.76	1224.	3.09	7.90
2	3.61	3.55	1.39	954.	2.58	6.26
3	5.64	5.55	0.84	581.	1.96	4.42
4	6.48	6.38	1.06	723.	2.33	5.52
5	7.80	7.68	0.87	603.	1.72	3.86
6	6.19	6.09	-	-	-	-
7	5.99	5.90	1.15	797.	3.19	7.11
8	5.37	5.29	1.48	999.	4.00	8.39
9	6.94	6.83	1.16	828.	3.36	7.69
10	3.83	4.04	0.92	655.	2.46	5.50
11	2.59	2.55	-	-	-	-
12	5.77	5.68	-	-	-	-
1982	67.16	66.02	-	-	-	-

LOCATION : M003 MAHALLET RUH PS YEAR : 1983 CODE : 11
Q = 2.460 - (0.000) * H ; QCAP = 2.460 HAV = 2.120

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	5.45	5.37	-	-	-	-
2	2.44	2.40	1.46	1001.	3.39	8.01
3	4.53	4.49	0.84	571.	2.53	5.17
4	3.64	3.58	-	-	-	-
5	5.12	5.04	0.63	441.	2.24	4.31
6	3.36	3.30	1.20	817.	4.02	9.08
7	4.67	4.60	1.33	901.	4.87	10.79
8	4.55	4.48	1.41	950.	4.80	11.00
9	7.64	7.52	0.93	620.	2.86	6.18
10	5.71	5.61	0.94	669.	2.37	5.39
11	6.29	6.19	-	-	-	-
12	5.81	5.71	1.24	840.	2.64	6.36
1983	59.21	58.25	-	-	-	-

LOCATION : M004 BAMATAY PS YEAR : 1980 CODE : 11
Q = 6.590 - (1.250) * H ; QCAP = 4.553 HAV = 1.630

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	26.17	25.99	-	-	-	-
2	18.19	17.39	-	-	-	-
3	29.09	28.85	-	-	-	-
4	29.95	28.99	-	-	-	-
5	31.75	30.34	0.94	638.	2.98	6.43
6	36.10	34.05	1.27	852.	4.14	9.20
7	43.24	36.56	1.38	933.	3.95	9.27
8	46.25	38.40	1.47	1011.	4.94	11.39
9	45.44	37.73	1.43	944.	4.42	10.26
10	34.47	31.21	1.38	976.	2.17	5.68
11	27.50	26.21	1.73	1158.	3.61	9.22
12	28.22	26.62	1.90	1347.	5.78	14.08
1980	396.33	362.34	-	-	-	-

LOCATION : M004 BAMATAY PS YEAR : 1981 CODE : 11
Q = 6.590 - (1.250) * H ; QCAP = 4.553 HAV = 1.630

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	23.81	25.48	2.13	1385.	6.38	15.50
2	16.57	18.06	1.99	1282.	7.33	17.20
3	31.19	32.91	1.43	911.	4.44	9.92
4	34.29	36.21	1.29	866.	3.90	8.77
5	30.59	33.81	1.35	926.	4.39	9.87
6	39.40	43.56	1.40	975.	4.75	10.60
7	45.98	50.64	1.37	935.	4.64	10.48
8	42.39	46.88	1.52	949.	3.88	9.15
9	42.80	47.32	1.48	951.	4.07	9.57
10	33.48	38.96	1.46	942.	4.04	9.78
11	30.22	34.92	1.64	1105.	4.57	10.95
12	27.64	26.76	1.71	1123.	4.09	9.64
1981	398.36	439.71	1.52	1000.	4.52	10.52

LOCATION : M004 BAMATAY PS YEAR : 1982 CODE : 11
Q = 6.590 - (1.250) * H ; QCAP = 4.553 HAV = 1.630

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	31.86	36.16	2.37	1490.	3.99	10.41
2	17.86	16.26	2.29	1430.	3.96	10.24
3	26.56	27.69	1.39	901.	3.64	8.45
4	42.98	29.16	1.53	987.	4.28	9.97
5	29.59	31.57	1.21	783.	3.36	7.46
6	38.76	34.61	-	-	-	-
7	46.44	41.63	1.22	799.	3.19	7.06
8	39.97	34.08	1.73	1097.	5.18	10.74
9	40.33	37.03	1.76	1247.	6.18	14.37
10	41.04	39.21	1.60	1088.	5.05	11.56
11	33.72	30.95	-	-	-	-
12	29.63	26.46	1.58	1048.	4.78	11.14
1982	418.70	384.80	-	-	-	-

LOCATION : M004 BAMATAY PS YEAR : 1983 CODE : 11
Q = 6.590 - (1.250) * H ; QCAP = 4.553 HAV = 1.630

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	33.66	30.90	-	-	-	-
2	14.89	16.08	2.95	1938.	5.46	14.28
3	29.70	26.81	1.65	1122.	5.25	11.67
4	31.46	32.03	-	-	-	-
5	28.87	30.46	1.17	782.	4.32	9.11
6	35.92	33.88	1.24	820.	5.12	10.86
7	37.62	36.31	1.45	975.	6.00	13.50
8	38.50	36.31	1.63	1139.	6.23	14.37
9	37.30	35.61	1.63	1087.	6.54	15.03
10	34.58	31.31	1.70	1149.	3.69	8.98
11	28.58	29.49	-	-	-	-
12	30.43	29.46	1.17	710.	2.27	4.87
1983	377.51	368.66	-	-	-	-

LOCATION : M005 PS NO 5 YEAR : 1980 CODE : 11
Q = 6.500 - (0.520) * H ; QCAP = 6.094 HAV = 0.780

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	9.07	9.02	-	-	-	-
2	8.28	8.70	-	-	-	-
3	10.32	11.11	-	-	-	-
4	12.99	13.26	-	-	-	-
5	9.55	9.71	1.17	787.	4.17	9.27
6	12.72	13.00	1.10	703.	3.72	7.78
7	23.60	22.69	1.26	828.	5.00	10.86
8	20.00	19.73	1.47	985.	4.36	10.48
9	20.18	19.90	1.63	1036	5.67	12.96
10	14.17	13.79	2.34	1495.	7.02	17.87
11	11.71	11.81	1.45	914.	3.90	9.13
12	12.93	12.94	1.42	970.	7.24	15.07
1980	165.92	165.66	-	-	-	-

LOCATION : M005 PS NO 5 YEAR : 1981 CODE : 11
Q = 6.500 - (0.520) * H ; QCAP = 6.094 HAV = 0.780

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	9.11	9.30	1.86	1273.	6.75	16.26
2	5.42	5.57	2.91	1864.	10.62	25.74
3	12.13	12.20	1.45	908.	4.47	10.09
4	11.22	11.63	1.56	1048.	6.27	14.52
5	13.41	13.98	1.31	897.	5.48	11.99
6	12.69	13.34	1.55	1032.	5.28	12.43
7	21.14	22.42	1.50	1001.	5.81	13.04
8	19.56	20.13	1.53	1004.	4.47	10.53
9	18.10	18.02	1.33	866.	3.71	8.75
10	13.17	13.47	1.48	945.	4.83	11.28
11	11.31	10.60	1.84	1217.	6.12	14.49
12	11.18	9.26	2.10	1373.	6.15	14.60
1981	158.40	159.94	1.60	1053.	5.44	12.67

LOCATION : M005 PS NO 5 YEAR : 1982 CODE : 11
Q = 6.500 - (0.520) * H ; QCAP = 6.094 HAV = 0.780

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	10.73	10.38	2.22	1383.	5.39	13.59
2	5.83	6.06	2.06	1267.	3.96	9.87
3	9.58	9.71	1.78	1104.	4.75	10.90
4	10.94	11.01	1.76	1142.	5.42	12.93
5	11.35	11.06	1.43	963.	5.26	11.82
6	12.64	15.31	-	-	-	-
7	18.92	19.45	1.55	1071.	6.06	13.94
8	16.34	19.35	1.76	1096.	5.47	11.36
9	15.33	15.22	1.94	1346.	6.77	16.19
10	13.87	14.11	1.88	1292.	6.91	15.93
11	12.20	15.20	1.43	964.	6.01	12.95
12	11.43	11.73	1.38	912.	4.91	10.99
1982	148.76	158.57	-	-	-	-

LOCATION : M005 PS NO 5 YEAR : 1983 CODE : 11
Q = 6.500 - (0.520) * H ; QCAP = 6.094 HAV = 0.780

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	13.52	13.60	-	-	-	-
2	4.14	4.46	3.88	2482.	10.54	27.25
3	7.58	9.83	2.33	1505.	8.74	19.41
4	15.09	15.79	-	-	-	-
5	12.40	12.99	1.77	1184.	9.36	19.40
6	16.20	14.85	1.78	1138.	7.96	17.48
7	20.79	19.87	1.80	1167.	6.50	14.89
8	23.96	18.11	3.35	2257.	8.79	23.05
9	18.10	18.02	1.78	1179.	6.70	15.76
10	18.42	14.78	1.88	1272.	7.79	17.57
11	11.04	10.67	-	-	-	-
12	10.46	10.62	1.97	1317.	6.22	15.20
1983	173.70	163.60	-	-	-	-

LOCATION : MG06 GHARBIA BRIDGE NO 6 YEAR : 1980 CODE : 23
Q = 0.85 * WETTED CROSS SECTION * FLOAT VELOCITY

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
5	-	79.71	1.39	979.	5.51	11.95
6	-	73.27	1.17	789.	4.86	9.96
7	-	75.41	1.31	884.	4.08	9.51
8	-	101.99	1.33	883.	3.36	8.06
9	-	93.51	1.41	923.	3.99	9.44
10	-	62.05	1.41	946.	3.69	9.07
11	-	59.19	2.00	1297.	5.41	13.69
12	-	154.32	2.05	1477.	6.42	16.25
1980	-	-	-	-	-	-

LOCATION : MG06 GHARBIA BRIDGE NO 6 YEAR : 1981 CODE : 23
Q = 0.85 * WETTED CROSS SECTION * FLOAT VELOCITY

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	77.00	1.56	1003.	5.34	12.14
2	-	64.18	1.53	962.	5.57	12.46
3	-	141.40	1.30	854.	4.75	10.28
4	-	81.31	1.35	886.	3.76	8.63
5	-	92.15	1.33	917.	4.33	9.75
6	-	74.79	1.37	969.	4.60	10.41
7	-	104.50	1.42	996.	5.05	11.56
8	-	83.59	1.34	887.	4.11	9.51
9	-	-	-	-	-	-
10	-	-	-	-	-	-
11	-	61.48	1.52	1006.	4.20	9.73
12	-	63.57	1.49	1069.	4.30	9.99
1981	-	-	-	-	-	-

LOCATION : MG06 GHARBIA BRIDGE NO 6 YEAR : 1982 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	2.01	1317.	4.44	11.18
2	-	-	1.38	833.	2.85	6.44
3	-	-	1.36	842.	3.32	7.54
4	-	-	1.48	982.	4.53	10.45
5	-	-	1.21	827.	3.53	7.89
6	-	-	-	-	-	-
7	-	-	1.40	985.	5.41	12.33
8	-	-	1.64	1081.	3.86	8.60
9	-	-	1.69	1202.	5.66	13.28
10	-	-	1.49	1024.	4.66	10.60
11	-	-	1.22	816.	4.21	9.14
12	-	-	1.16	761.	4.08	8.84
1982	-	-	-	-	-	-

LOCATION : MG06 GHARBIA BRIDGE NO 6 YEAR : 1983 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	2.14	1370.	5.03	12.28
3	-	-	-	-	-	-
4	-	-	-	-	-	-
5	-	-	1.28	858.	5.23	11.32
6	-	-	-	-	-	-
7	-	-	1.47	1036.	6.37	14.20
8	-	-	1.62	1165.	6.07	14.47
9	-	-	-	-	-	-
10	-	-	1.47	1006.	3.69	8.72
11	-	-	-	-	-	-
12	-	-	1.40	896.	5.11	11.32
1983	-	-	-	-	-	-

LOCATION : M007 PS NO 6 YEAR : 1980 CODE : 11
Q = 7.230 - (0.860) * H ; QCAP = 5.510 HAV = 2.000

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	7.62	8.59	-	-	-	-
2	4.53	5.21	-	-	-	-
3	9.60	10.80	-	-	-	-
4	8.21	9.59	-	-	-	-
5	10.81	12.16	2.50	1504.	7.25	16.61
6	12.72	14.00	3.07	1861.	8.22	19.94
7	16.98	18.41	2.78	1748.	7.65	18.91
8	17.04	18.50	2.68	1698.	7.18	17.86
9	17.55	18.11	2.89	1819.	8.12	19.93
10	12.89	13.74	1.71	1084.	3.57	8.98
11	9.92	10.82	2.71	1583.	5.13	13.06
12	9.18	9.94	2.90	1846.	7.38	17.84
1980	137.05	149.88	-	-	-	-

LOCATION : M007 PS NO 6 YEAR : 1981 CODE : 11
Q = 7.230 - (0.860) * H ; QCAP = 5.510 HAV = 2.000

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	7.42	8.36	3.42	2242.	11.12	26.55
2	4.01	4.54	5.56	3365.	15.98	41.50
3	9.52	10.64	3.22	2167.	8.73	20.56
4	6.79	7.71	4.86	3186.	11.53	29.05
5	8.97	10.11	3.85	2527.	10.53	25.24
6	8.81	9.85	6.10	4028.	13.80	37.57
7	10.16	11.19	4.52	2954.	9.37	25.03
8	11.90	13.09	3.22	1966.	7.53	18.97
9	14.79	16.03	2.68	1600.	6.82	16.66
10	12.99	13.97	2.91	1605.	6.96	16.60
11	11.51	12.77	3.78	2130.	8.76	20.60
12	9.40	10.35	3.48	2069.	7.74	18.57
1981	116.27	128.62	3.78	2351.	9.35	23.28

LOCATION : M007 PS NO 6 YEAR : 1982 CODE : 11
Q = 7.230 - (0.860) * H ; QCAP = 5.510 HAV = 2.000

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	7.41	8.19	5.45	3096.	10.49	26.68
2	3.93	4.43	5.21	2884.	9.40	23.45
3	7.51	8.44	3.42	1967.	7.28	18.04
4	9.16	10.47	3.35	2004.	8.02	19.68
5	8.61	9.32	1.99	1182.	6.08	12.91
6	12.48	13.85	-	-	-	-
7	22.46	23.96	2.35	1515.	7.17	17.10
8	18.95	20.22	3.00	1846.	8.50	18.93
9	17.53	18.70	3.36	2207.	11.30	27.10
10	19.52	16.28	3.32	2034.	9.09	21.64
11	11.63	12.51	3.66	2163.	9.82	22.77
12	13.17	14.27	2.67	1541.	7.80	17.30
1982	147.96	160.61	-	-	-	-

LOCATION : M007 PS NO 6 YEAR : 1983 CODE : 11
Q = 7.230 - (0.860) * H ; QCAP = 5.510 HAV = 2.000

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	10.06	10.72	-	-	-	-
2	2.37	2.68	8.70	5107.	13.59	35.98
3	7.68	8.71	5.65	3445.	13.17	30.66
4	11.87	13.38	-	-	-	-
5	10.22	11.69	3.00	1938.	10.52	23.75
6	11.34	12.87	3.43	2240.	9.72	23.40
7	19.03	20.64	2.70	1743.	8.21	19.28
8	17.19	19.09	4.03	2618.	9.91	25.79
9	14.58	16.07	3.11	2124.	9.90	24.51
10	13.58	14.84	3.07	2015.	7.75	18.83
11	10.55	11.71	-	-	-	-
12	12.61	13.78	2.07	1304.	5.25	12.37
1983	141.08	156.18	-	-	-	-

LOCATION : MQOB HAMUL PS YEAR : 1980 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	0.00	-	-	-	-	-
2	0.00	-	-	-	-	-
3	5.70	-	-	-	-	-
4	43.35	-	-	-	-	-
5	18.06	-	1.84	1137.	5.67	12.90
6	40.13	-	0.92	594.	2.61	5.56
7	39.59	-	1.40	934.	3.45	8.36
8	38.98	-	1.73	1156.	5.24	12.53
9	39.62	-	1.44	956.	4.15	9.76
10	21.52	-	1.54	1105.	2.30	6.23
11	14.47	-	1.96	1216.	3.47	9.00
12	4.00	-	3.48	2325.	4.23	12.76
1980	265.42	-	-	-	-	-

LOCATION : MQOB HAMUL PS YEAR : 1981 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	10.96	-	1.31	825.	3.50	8.01
2	4.58	-	2.78	1864.	7.49	20.75
3	28.63	-	1.45	913.	4.22	9.86
4	39.34	-	1.34	859.	3.76	8.54
5	34.60	-	1.61	1041.	5.49	12.38
6	47.65	-	1.40	865.	3.05	7.12
7	46.58	-	1.64	1087.	4.59	10.93
8	44.56	-	1.61	1089.	4.80	11.35
9	26.56	-	1.65	1079.	4.38	10.62
10	11.92	-	1.65	1098.	4.98	11.36
11	14.74	-	1.64	1073.	5.34	11.81
12	12.74	-	2.07	1332.	6.43	14.88
1981	322.86	-	1.57	1017.	4.47	10.45

LOCATION : MQOB HAMUL PS YEAR : 1982 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	11.31	-	2.02	1290.	4.95	12.22
2	0.00	-	2.37	1471.	5.17	12.44
3	23.19	-	1.48	912.	4.11	9.42
4	32.05	-	1.40	904.	4.62	10.21
5	33.29	-	1.51	968.	4.64	10.29
6	34.18	-	-	-	-	-
7	29.93	-	1.49	1000.	4.65	10.73
8	25.64	-	1.89	1149.	5.19	10.69
9	24.64	-	2.06	1416.	7.52	17.46
10	7.14	-	2.97	2140.	8.67	22.95
11	3.77	-	-	-	-	-
12	11.51	-	2.00	1225.	8.69	17.96
1982	236.65	-	-	-	-	-

LOCATION : MQOB HAMUL PS YEAR : 1983 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	4.73	-	-	-	-	-
2	0.00	-	2.53	1607.	5.88	14.55
3	27.22	-	1.47	980.	5.27	10.96
4	39.60	-	-	-	-	-
5	32.96	-	1.85	1263.	7.28	16.39
6	37.39	-	1.89	1294.	7.29	16.84
7	44.44	-	1.75	1220.	6.89	15.78
8	48.04	-	2.21	1522.	6.45	16.18
9	43.17	-	1.35	909.	5.99	12.73
10	17.68	-	1.08	700.	2.62	5.97
11	11.22	-	-	-	-	-
12	6.19	-	1.47	967.	3.39	8.21
1983	312.64	-	-	-	-	-

LOCATION : MG09 PS NO 4 YEAR : 1980 CODE : 11
Q = 11.220 - (1.510) * H ; QCAP = 7.143 HAV = 2.700

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	22.05	21.43	-	-	-	-
2	19.68	18.99	-	-	-	-
3	26.70	25.54	-	-	-	-
4	27.54	25.16	-	-	-	-
5	24.85	23.81	1.73	1081.	4.29	9.79
6	35.74	32.22	1.51	992.	4.87	11.05
7	41.59	38.05	1.52	974.	4.40	10.33
8	47.79	46.00	1.37	884.	4.37	10.02
9	37.48	32.88	1.55	987.	3.95	9.54
10	35.62	32.10	1.14	749.	2.31	5.49
11	23.13	21.62	1.53	959.	2.64	6.44
12	27.86	25.70	1.89	1279.	6.27	14.39
1980	366.03	337.49	-	-	-	-

LOCATION : MG09 PS NO 4 YEAR : 1981 CODE : 11
Q = 11.220 - (1.510) * H ; QCAP = 7.143 HAV = 2.700

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	22.72	22.02	2.30	1557.	6.00	14.55
2	9.63	9.67	4.46	2722.	7.18	20.14
3	20.69	20.93	2.00	1236.	5.56	12.57
4	20.52	22.59	1.70	1129.	5.07	11.47
5	20.32	22.15	1.98	1214.	5.39	12.51
6	21.41	20.22	-	-	-	-
7	38.93	42.83	1.43	933.	5.39	11.85
8	38.63	36.33	1.59	1030.	4.51	10.58
9	40.90	37.86	1.47	923.	4.23	9.82
10	36.59	33.50	1.45	878.	4.15	9.34
11	22.17	20.88	1.92	1166.	5.14	12.05
12	22.36	21.82	-	-	-	-
1981	314.83	310.81	-	-	-	-

LOCATION : MG09 PS NO 4 YEAR : 1982 CODE : 11
Q = 11.220 - (1.510) * H ; QCAP = 7.143 HAV = 2.700

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	23.03	22.41	3.26	1781.	5.12	12.61
2	10.09	10.23	2.91	1630.	4.44	11.09
3	17.56	15.91	2.27	1394.	6.11	14.60
4	22.62	21.55	1.94	1196.	6.05	13.44
5	19.11	18.95	1.64	1037.	4.62	10.27
6	39.72	33.50	-	-	-	-
7	53.95	53.04	1.41	954.	5.67	12.33
8	46.88	42.73	1.66	1057.	5.90	12.68
9	41.29	36.70	1.75	1207.	7.10	15.99
10	38.46	35.06	1.64	1064.	5.32	12.06
11	23.41	21.12	1.61	1026.	5.69	12.52
12	34.13	29.58	1.54	920.	5.07	10.42
1982	366.25	340.77	-	-	-	-

LOCATION : MG09 PS NO 4 YEAR : 1983 CODE : 11
Q = 11.220 - (1.510) * H ; QCAP = 7.143 HAV = 2.700

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	28.16	25.81	-	-	-	-
2	10.20	10.49	3.39	1991.	7.03	16.90
3	11.31	15.16	1.78	1133.	6.25	13.14
4	28.70	27.39	-	-	-	-
5	24.53	23.40	1.54	1014.	6.29	12.89
6	35.60	29.96	1.40	923.	5.32	11.62
7	48.31	43.03	1.51	1026.	5.74	13.05
8	41.65	37.57	1.79	1199.	6.81	15.88
9	35.38	35.84	1.74	1209.	5.67	13.22
10	28.89	25.88	1.78	1156.	4.49	10.85
11	21.37	20.33	-	-	-	-
12	27.55	24.58	1.72	1085.	5.06	11.94
1983	341.85	319.43	-	-	-	-

LOCATION : MQ10 PS NO 3 YEAR : 1980 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	20.54	21.33	-	-	-	-
2	15.16	15.74	-	-	-	-
3	23.19	28.69	-	-	-	-
4	21.47	29.76	-	-	-	-
5	21.28	21.42	2.17	1372.	6.95	15.91
6	34.06	35.57	2.54	1608.	8.23	19.15
7	39.53	43.20	2.48	1572.	7.56	18.10
8	41.56	44.28	2.18	1369.	6.59	15.85
9	42.99	45.80	2.60	1651.	7.84	19.09
10	33.20	33.92	1.80	1216.	3.78	9.64
11	19.44	19.96	2.13	1319.	5.82	14.16
12	25.36	25.71	3.40	2253.	11.41	27.27
1980	337.78	365.40	-	-	-	-

LOCATION : MQ10 PS NO 3 YEAR : 1981 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	22.31	23.08	3.19	2133.	10.09	24.10
2	11.51	11.85	5.22	3184.	10.74	27.69
3	21.88	22.70	2.59	1505.	7.53	17.00
4	19.69	20.30	2.36	1459.	6.11	14.40
5	19.90	21.16	2.10	1301.	6.48	14.79
6	24.11	25.98	-	-	-	-
7	33.80	36.93	2.25	1514.	7.09	16.68
8	34.97	36.78	2.29	1435.	7.06	16.56
9	38.47	40.93	2.05	1267.	5.83	13.74
10	30.59	30.49	1.71	1008.	4.86	10.93
11	20.16	20.63	1.99	1206.	5.77	13.21
12	24.18	24.56	-	-	-	-
1981	301.57	315.40	-	-	-	-

LOCATION : MQ10 PS NO 3 YEAR : 1982 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	16.04	15.62	5.74	3194.	7.58	20.29
2	15.25	15.95	3.10	1729.	5.90	13.74
3	16.85	17.99	2.83	1568.	6.51	15.02
4	16.05	17.50	2.34	1368.	6.85	15.52
5	12.42	15.23	2.83	1724.	7.64	17.87
6	24.68	27.62	-	-	-	-
7	38.76	41.43	2.27	1464.	7.95	18.39
8	34.30	34.98	2.42	1427.	6.22	13.43
9	32.78	33.15	2.31	1497.	7.57	17.55
10	28.82	29.15	2.00	1268.	6.37	14.15
11	18.80	18.80	2.39	1443.	7.66	17.22
12	22.04	22.63	2.25	1286.	6.78	14.84
1982	276.79	290.05	-	-	-	-

LOCATION : MQ10 PS NO 3 YEAR : 1983 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	23.46	24.39	-	-	-	-
2	9.61	9.82	3.30	1928.	7.98	18.56
3	14.83	15.43	3.12	1944.	13.00	27.10
4	19.00	20.49	-	-	-	-
5	19.26	21.76	2.29	1502.	9.36	19.89
6	24.68	25.87	2.34	1530.	8.94	19.86
7	37.18	38.43	2.33	1524.	8.83	19.86
8	32.22	32.33	2.87	1932.	9.64	23.55
9	30.83	31.96	2.57	1716.	10.39	24.35
10	24.74	25.57	2.37	1531.	6.49	15.74
11	16.20	16.83	-	-	-	-
12	21.68	21.52	-	-	-	-
1983	273.69	284.40	-	-	-	-

LOCATION : MG11 GHARBIA BRIDGE NO 7 YEAR : 1980 CODE : 22
Q = 38.310* (3.740- HM) ** 2.610 R2 = (0.890)

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
5	-	66.73	1.45	926.	4.17	9.41
6	-	79.46	1.48	933.	4.72	10.57
7	-	114.96	1.67	1081.	4.92	11.72
8	-	246.39	1.71	1100.	5.94	13.96
9	-	179.60	1.95	1288.	6.99	16.39
10	-	108.06	1.90	1198.	4.00	10.05
11	-	71.60	1.66	1003.	2.86	6.90
12	-	152.90	1.15	736.	5.58	10.09
1980	-	-	-	-	-	-

LOCATION : MG11 GHARBIA BRIDGE NO 7 YEAR : 1981 CODE : 22
Q = 38.310* (3.740- HM) ** 2.610 R2 = (0.890)

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	80.61	1.77	1150.	6.60	14.63
2	-	55.25	1.77	1050.	5.02	11.38
3	-	56.54	1.65	1020.	4.87	10.81
4	-	36.35	1.77	1108.	5.45	12.22
5	-	45.87	1.81	1162.	6.44	14.35
6	-	51.58	1.77	1139.	5.65	13.05
7	-	87.35	1.79	1174.	6.34	14.60
8	-	102.34	1.76	1113.	5.49	12.72
9	-	129.52	1.71	1078.	4.51	10.79
10	-	99.69	1.70	1047.	4.63	10.68
11	-	74.32	1.94	1237.	4.84	11.31
12	-	94.50	2.16	1394.	5.65	13.09
1981	-	913.93	1.80	1143.	5.35	12.35

LOCATION : MG11 GHARBIA BRIDGE NO 7 YEAR : 1982 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	2.03	1291.	5.06	12.18
2	-	-	1.78	1050.	4.24	9.53
3	-	-	1.97	1208.	5.27	12.46
4	-	-	2.07	1289.	5.87	13.85
5	-	-	1.68	1067.	4.84	10.97
6	-	-	-	-	-	-
7	-	-	1.61	1119.	6.06	13.26
8	-	-	1.87	1161.	6.27	12.64
9	-	-	1.78	1233.	6.16	14.22
10	-	-	1.84	1219.	6.62	14.82
11	-	-	1.72	1070.	6.43	13.80
12	-	-	1.78	1099.	8.19	16.91
1982	-	-	-	-	-	-

LOCATION : MG11 GHARBIA BRIDGE NO 7 YEAR : 1983 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	3.20	1905.	7.85	18.75
3	-	-	2.46	1544.	7.52	16.79
4	-	-	-	-	-	-
5	-	-	2.07	1360.	8.47	17.90
6	-	-	1.87	1236.	6.69	14.94
7	-	-	1.90	1273.	6.67	15.40
8	-	-	2.36	1538.	6.55	16.35
9	-	-	2.68	1718.	10.74	25.66
10	-	-	2.31	1508.	7.92	19.15
11	-	-	-	-	-	-
12	-	-	6.58	3934.	13.74	35.25
1983	-	-	-	-	-	-

LOCATION : MG12 HAFIR SHEHAB EDDIN PS YEAR : 1980 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	22.91	24.13	-	-	-	-
2	10.18	11.39	-	-	-	-
3	17.20	18.97	-	-	-	-
4	17.19	18.71	-	-	-	-
5	23.36	26.21	6.47	3749.	14.60	36.40
6	26.34	29.04	6.23	3658.	13.71	34.57
7	33.98	36.70	6.52	3910.	15.04	38.45
8	37.30	38.67	6.08	3640.	14.85	38.12
9	37.46	38.74	5.32	3244.	12.69	32.67
10	29.50	30.92	5.73	3397.	12.08	32.67
11	22.10	24.01	4.68	2728.	7.50	20.51
12	26.59	27.38	8.79	5917.	20.00	51.96
1980	304.11	324.87	-	-	-	-

LOCATION : MG12 HAFIR SHEHAB EDDIN PS YEAR : 1981 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	20.25	21.78	9.80	6596.	22.68	66.01
2	10.58	12.01	14.76	8942.	26.47	76.70
3	18.87	25.63	6.93	4179.	15.09	39.62
4	21.35	23.15	8.18	5297.	18.33	46.54
5	19.84	22.17	8.32	5329.	19.90	50.50
6	22.40	24.88	7.94	5210.	18.11	46.43
7	31.19	34.83	7.09	4557.	17.38	44.11
8	33.39	36.63	6.54	3851.	15.27	38.80
9	30.89	33.41	6.92	3881.	16.30	41.60
10	26.91	29.04	6.85	3759.	15.22	38.13
11	24.96	27.36	8.33	4743.	17.52	44.39
12	28.99	31.14	8.58	5149.	19.15	47.36
1981	289.62	322.04	7.93	4836.	17.96	46.69

LOCATION : MG12 HAFIR SHEHAB EDDIN PS YEAR : 1982 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	23.10	25.00	11.05	6482.	21.26	55.43
2	16.46	18.04	10.00	5603.	18.29	46.37
3	18.69	20.07	8.24	4837.	16.14	41.53
4	17.40	19.07	8.77	5197.	18.21	47.10
5	20.05	22.06	7.74	4679.	16.92	42.97
6	23.72	24.65	-	-	-	-
7	37.25	37.74	5.98	3724.	14.03	36.39
8	32.93	35.30	7.46	4689.	18.26	42.18
9	31.23	33.64	7.56	4870.	21.76	55.35
10	29.89	32.13	7.51	4742.	18.29	45.82
11	24.96	26.17	7.65	4475.	18.66	45.64
12	25.11	26.25	8.26	4944.	19.42	47.22
1982	300.39	322.11	-	-	-	-

LOCATION : MG12 HAFIR SHEHAB EDDIN PS YEAR : 1983 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	31.15	40.39	-	-	-	-
2	12.66	14.00	19.10	11703.	26.58	72.37
3	20.76	22.88	11.95	7202.	22.71	57.31
4	20.55	22.71	-	-	-	-
5	25.55	27.53	8.76	5678.	23.00	57.60
6	23.96	26.14	8.46	5442.	23.56	59.75
7	34.88	37.08	7.27	4705.	20.65	51.63
8	33.79	36.07	7.73	5165.	19.57	51.03
9	35.17	38.84	7.33	4828.	27.95	67.63
10	29.09	31.60	8.23	5396.	21.43	55.05
11	25.47	27.55	-	-	-	-
12	27.14	29.10	7.25	4560.	14.83	38.30
1983	320.17	353.90	-	-	-	-

LOCATION : M013 GHARBIA OUTFALL YEAR : 1980 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
5	-	-	2.64	1610.	8.03	18.50
6	-	-	2.06	1319.	6.53	15.13
7	-	-	3.54	2076.	9.82	23.97
8	-	-	2.75	1701.	8.53	20.66
9	-	-	2.65	1666.	6.24	15.87
10	-	-	2.55	1569.	4.23	11.16
11	-	-	2.26	1375.	4.62	11.74
12	-	-	2.62	1687.	8.08	19.37
1980	-	-	-	-	-	-

LOCATION : M013 GHARBIA OUTFALL YEAR : 1981 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	2.35	1553.	6.53	16.09
2	-	-	3.58	2184.	9.09	22.62
3	-	-	3.54	2092.	11.05	25.79
4	-	-	2.94	1851.	7.93	18.90
5	-	-	2.07	1292.	6.58	15.10
6	-	-	2.35	1489.	6.16	15.16
7	-	-	-	-	-	-
8	-	-	3.17	1902.	7.51	18.66
9	-	-	2.39	1487.	6.14	15.15
10	-	-	2.52	1525.	7.49	17.71
11	-	-	2.71	1599.	7.90	18.45
12	-	-	2.67	1692.	7.59	17.60
1981	-	-	-	-	-	-

LOCATION : M013 GHARBIA OUTFALL YEAR : 1982 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	3.14	1859.	7.19	17.62
2	-	-	2.49	1436.	6.25	14.23
3	-	-	2.71	1594.	6.75	16.18
4	-	-	2.86	1733.	8.30	19.60
5	-	-	1.97	1242.	5.39	12.32
6	-	-	-	-	-	-
7	-	-	2.39	1562.	8.20	18.53
8	-	-	2.25	1373.	6.21	12.73
9	-	-	2.32	1560.	7.36	17.73
10	-	-	2.65	1650.	7.54	17.67
11	-	-	2.34	1457.	7.86	17.36
12	-	-	1.70	1082.	4.95	11.14
1982	-	-	-	-	-	-

LOCATION : M013 GHARBIA OUTFALL YEAR : 1983 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	4.23	2527.	9.88	24.54
3	-	-	3.14	1957.	10.87	23.89
4	-	-	-	-	-	-
5	-	-	2.23	1449.	9.32	19.61
6	-	-	3.03	1988.	10.58	24.89
7	-	-	2.89	1710.	9.14	21.69
8	-	-	2.11	1437.	7.26	16.98
9	-	-	1.94	1367.	7.09	17.47
10	-	-	2.34	1516.	8.58	19.47
11	-	-	-	-	-	-
12	-	-	1.93	1184.	5.42	12.81
1983	-	-	-	-	-	-

LOCATION : MI01 EDFINA BARRAGE YEAR : 1980 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
5	-	-	0.51	348.	1.23	2.29
6	-	-	0.52	344.	1.27	2.42
7	-	-	0.49	318.	1.10	2.06
8	-	-	0.56	390.	1.24	2.53
9	-	-	0.58	413.	1.90	3.77
10	-	-	0.48	326.	1.32	2.40
11	-	-	0.53	316.	1.28	2.19
12	-	-	0.62	404.	1.61	3.14
1980	-	-	-	-	-	-

LOCATION : MI01 EDFINA BARRAGE YEAR : 1981 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	0.49	315.	1.33	2.27
2	-	-	0.44	296.	1.88	3.00
3	-	-	0.47	300.	1.15	1.98
4	-	-	0.57	402.	1.60	3.19
5	-	-	0.56	407.	1.92	3.71
6	-	-	0.58	387.	1.74	3.17
7	-	-	0.53	344.	1.65	2.84
8	-	-	0.54	324.	1.34	2.15
9	-	-	0.60	411.	1.37	2.74
10	-	-	0.65	449.	1.65	3.35
11	-	-	0.73	456.	1.24	2.45
12	-	-	0.72	466.	0.67	1.38
1981	-	-	0.58	380.	1.41	2.66

LOCATION : MI01 EDFINA BARRAGE YEAR : 1982 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	0.51	335.	0.89	1.67
2	-	-	0.41	278.	1.84	2.89
3	-	-	0.44	293.	1.54	2.49
4	-	-	-	-	-	-
5	-	-	0.57	382.	0.84	1.66
6	-	-	-	-	-	-
7	-	-	0.46	309.	0.74	1.38
8	-	-	-	-	-	-
9	-	-	0.66	459.	1.33	2.76
10	-	-	0.64	447.	1.37	2.74
11	-	-	-	-	-	-
12	-	-	-	-	-	-
1982	-	-	-	-	-	-

LOCATION : MI01 EDFINA BARRAGE YEAR : 1983 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	0.42	289.	1.57	2.61
3	-	-	0.45	314.	1.88	3.23
4	-	-	-	-	-	-
5	-	-	-	-	-	-
6	-	-	0.57	414.	1.92	3.75
7	-	-	-	-	-	-
8	-	-	0.57	398.	1.43	2.99
9	-	-	-	-	-	-
10	-	-	0.62	419.	1.29	2.72
11	-	-	-	-	-	-
12	-	-	0.51	350.	1.18	2.29
1983	-	-	-	-	-	-

LOCATION : MK01 TILLA OUTFALL YEAR : 1980 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
5	-	-	-	-	-	-
6	-	-	1.07	770.	2.03	4.92
7	-	-	1.09	790.	2.84	6.72
8	-	-	1.35	980.	3.42	8.44
9	-	-	1.01	734.	2.75	6.44
10	-	-	1.14	836.	2.13	5.45
11	-	-	1.45	957.	2.56	6.54
12	-	-	1.27	911.	2.56	6.44
1980	-	-	-	-	-	-

LOCATION : MK01 TILLA OUTFALL YEAR : 1981 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	1.14	791.	2.61	6.21
2	-	-	1.26	867.	3.43	8.35
3	-	-	-	-	-	-
4	-	-	1.25	938.	3.45	8.33
5	-	-	1.25	930.	2.73	6.74
6	-	-	1.24	852.	3.14	7.38
7	-	-	1.31	856.	3.97	9.20
8	-	-	1.37	937.	4.09	9.81
9	-	-	1.05	728.	3.48	7.99
10	-	-	1.27	926.	3.97	9.38
11	-	-	-	-	-	-
12	-	-	-	-	-	-
1981	-	-	-	-	-	-

LOCATION : MK01 TILLA OUTFALL YEAR : 1982 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	1.05	745.	3.49	7.91
2	-	-	0.88	632.	2.51	5.61
3	-	-	1.02	739.	2.57	5.89
4	-	-	1.02	739.	2.83	6.39
5	-	-	0.81	569.	2.04	4.24
6	-	-	-	-	-	-
7	-	-	-	-	-	-
8	-	-	1.24	821.	2.77	5.31
9	-	-	1.34	1010.	3.86	9.13
10	-	-	-	-	-	-
11	-	-	-	-	-	-
12	-	-	-	-	-	-
1982	-	-	-	-	-	-

LOCATION : MN01 UPPER PS NO 8 YEAR : 1981 CODE : 11
Q = 8.690 - (0.590) * H ; GCAP = 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	13.71	13.34	-	-	-	-
2	5.70	5.56	1.73	1159.	4.94	12.18
3	16.73	16.34	1.44	907.	4.28	9.46
4	14.43	14.05	1.44	946.	4.90	10.92
5	15.46	16.26	1.48	978.	5.50	12.20
6	16.34	15.45	1.43	938.	3.84	8.96
7	16.99	17.46	1.43	956.	3.08	7.38
8	18.03	18.72	1.58	1006.	3.96	9.47
9	23.33	23.76	1.28	824.	3.49	8.03
10	16.55	19.22	1.51	968.	3.76	8.96
11	20.30	20.21	1.39	944.	3.95	9.47
12	18.81	18.69	1.72	1197.	5.35	12.84
1981	196.38	199.07	-	-	-	-

LOCATION : MN01 UPPER PS NO 8 YEAR : 1982 CODE : 11
Q = 8.690 - (0.590) * H ; GCAP = 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	18.03	17.99	1.85	1170.	5.63	13.01
2	9.40	9.46	1.85	1174.	5.10	12.33
3	15.98	15.89	1.68	1057.	3.37	8.35
4	18.27	18.14	1.54	1002.	4.15	9.78
5	19.11	17.55	1.30	861.	4.22	9.19
6	18.53	18.43	-	-	-	-
7	19.14	19.04	1.77	1186.	5.48	12.83
8	21.29	21.17	1.82	1148.	5.17	10.57
9	26.27	26.13	1.66	1137.	5.21	11.78
10	22.74	21.89	-	-	-	-
11	20.74	20.70	1.44	936.	3.65	8.46
12	20.39	20.42	1.19	763.	3.60	7.88
1982	229.89	226.81	-	-	-	-

LOCATION : MN01 UPPER PS NO 8 YEAR : 1983 CODE : 11
Q = 8.690 - (0.590) * H ; GCAP = 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	21.29	21.33	1.64	1055.	4.25	9.81
2	8.73	8.75	-	-	-	-
3	15.72	15.75	-	-	-	-
4	20.18	20.24	-	-	-	-
5	20.39	20.45	1.37	933.	5.76	12.11
6	21.20	21.24	1.56	1023.	6.05	13.28
7	24.33	24.32	1.80	1218.	6.85	15.72
8	24.93	24.63	1.81	1285.	6.07	14.80
9	28.39	28.44	1.45	1032.	5.32	12.49
10	24.48	24.56	1.61	1083.	3.80	9.19
11	19.34	19.45	-	-	-	-
12	21.69	21.80	1.41	920.	3.67	8.55
1983	250.27	250.95	-	-	-	-

LOCATION : MN02 MANDURA PS YEAR : 1980 CODE : 11
Q = 10.690 - (1.240) * H ; QCAP = 7.280 HAV = 2.750

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	11.58	11.20	-	-	-	-
2	6.40	6.22	-	-	-	-
3	11.69	11.39	-	-	-	-
4	12.83	12.45	-	-	-	-
5	15.77	15.38	-	-	-	-
6	15.36	14.96	2.80	1797.	7.48	18.70
7	20.14	19.58	2.32	1461.	6.83	16.45
8	18.09	17.62	2.86	1791.	7.94	20.02
9	20.76	20.22	2.11	1349.	6.34	15.24
10	15.66	15.25	2.04	1309.	3.99	10.23
11	14.01	13.67	-	-	-	-
12	11.02	10.77	2.80	1900.	9.31	22.51
1980	173.31	168.73	-	-	-	-

LOCATION : MN02 MANDURA PS YEAR : 1981 CODE : 11
Q = 10.690 - (1.240) * H ; QCAP = 7.280 HAV = 2.750

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	10.48	10.25	2.63	1786.	9.62	22.06
2	3.43	3.39	6.88	4230.	13.60	37.84
3	15.39	15.09	1.94	1180.	5.73	12.59
4	12.45	12.18	2.23	1410.	6.20	14.49
5	15.25	14.86	1.99	1263.	6.45	14.54
6	13.10	12.73	2.92	1988.	10.71	24.79
7	13.77	13.39	2.83	1848.	8.72	21.27
8	16.52	15.96	2.38	1440.	6.39	15.55
9	17.55	16.98	1.98	1183.	5.92	13.84
10	15.71	15.18	2.24	1350.	6.55	15.18
11	12.29	11.90	3.06	1839.	6.81	16.78
12	12.29	11.90	2.48	1541.	6.46	14.83
1981	158.23	153.82	2.48	1562.	7.28	17.18

LOCATION : MN02 MANDURA PS YEAR : 1982 CODE : 11
Q = 10.690 - (1.240) * H ; QCAP = 7.280 HAV = 2.750

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	14.26	13.86	3.00	1737.	6.02	14.43
2	5.75	6.79	3.11	1788.	5.85	14.74
3	9.88	9.69	3.01	1780.	6.69	16.66
4	19.26	14.96	2.02	1168.	5.24	11.85
5	16.01	15.73	1.31	808.	3.80	7.96
6	16.07	15.79	-	-	-	-
7	21.63	21.21	1.81	1157.	5.89	13.43
8	17.63	16.76	2.66	1617.	7.14	15.84
9	19.06	18.79	2.53	1690.	8.71	19.79
10	14.28	14.03	3.11	1971.	8.13	19.95
11	13.42	13.27	2.09	1287.	6.92	15.18
12	11.31	11.18	2.13	1266.	6.52	14.54
1982	174.56	172.01	-	-	-	-

LOCATION : MN02 MANDURA PS YEAR : 1983 CODE : 11
Q = 10.690 - (1.240) * H ; QCAP = 7.280 HAV = 2.750

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	16.42	15.99	-	-	-	-
2	7.16	7.03	6.17	3543.	12.13	29.77
3	11.39	11.25	2.23	1381.	7.31	15.61
4	18.39	18.30	-	-	-	-
5	16.17	15.97	1.90	1237.	7.36	15.32
6	16.01	15.78	2.32	1532.	7.94	18.65
7	22.17	21.74	2.05	1348.	7.49	17.26
8	16.82	16.55	2.20	1483.	6.92	17.21
9	19.85	19.33	1.86	1265.	6.54	15.45
10	15.39	15.19	2.40	1698.	6.72	16.33
11	13.31	13.03	-	-	-	-
12	13.34	12.92	2.15	1329.	6.09	14.89
1983	186.42	183.08	-	-	-	-

LOCATION : MN03 NASHART OUTFALL YEAR : 1980 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	-	-	-	-
3	-	-	-	-	-	-
4	-	-	-	-	-	-
5	-	-	1.55	910.	5.66	11.67
6	-	-	1.87	1183.	8.23	17.95
7	-	-	1.73	1151.	4.38	10.78
8	-	-	1.94	1243.	6.07	14.59
9	-	-	2.02	1237.	6.01	14.24
10	-	-	1.99	1300.	4.34	11.14
11	-	-	2.14	1331.	4.45	11.39
12	-	-	2.76	1846.	8.80	20.66
1980	-	-	-	-	-	-

LOCATION : MN03 NASHART OUTFALL YEAR : 1981 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	2.40	1568.	6.52	15.46
2	-	-	3.39	2159.	5.76	15.03
3	-	-	1.98	1237.	4.70	11.02
4	-	-	1.53	973.	4.60	10.33
5	-	-	1.69	1105.	6.30	13.93
6	-	-	2.26	1429.	7.13	16.47
7	-	-	1.83	1202.	6.31	14.57
8	-	-	1.76	1155.	5.59	13.10
9	-	-	1.56	1037.	3.55	8.60
10	-	-	1.45	901.	4.01	9.25
11	-	-	1.47	1008.	4.09	9.99
12	-	-	1.55	1006.	5.39	12.29
1981	-	-	1.90	1225.	5.29	12.50

LOCATION : MN03 NASHART OUTFALL YEAR : 1982 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	1.72	1063.	3.97	9.23
3	-	-	1.97	1159.	3.72	9.01
4	-	-	1.53	992.	4.43	10.27
5	-	-	1.34	868.	3.89	8.52
6	-	-	1.41	918.	4.58	10.31
7	-	-	1.84	1260.	6.52	15.04
8	-	-	1.97	1263.	5.61	12.10
9	-	-	1.87	1300.	6.09	14.27
10	-	-	1.62	1095.	5.68	12.73
11	-	-	1.48	1011.	5.96	12.81
12	-	-	1.23	820.	4.45	9.48
1982	-	-	-	-	-	-

LOCATION : MN03 NASHART OUTFALL YEAR : 1983 CODE : 24

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	-	-	-	-	-	-
2	-	-	4.30	2488.	10.21	24.51
3	-	-	2.13	1390.	5.94	13.53
4	-	-	-	-	-	-
5	-	-	1.75	1184.	6.44	14.41
6	-	-	1.80	1150.	6.88	15.55
7	-	-	1.96	1237.	6.08	14.45
8	-	-	1.78	1204.	4.14	10.49
9	-	-	1.80	1301.	6.23	15.22
10	-	-	1.80	1182.	5.27	12.49
11	-	-	-	-	-	-
12	-	-	1.45	975.	4.66	10.64
1983	-	-	-	-	-	-

LOCATION : MNO4 ZEINI PS YEAR : 1980 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	8.15	-	-	-	-	-
2	8.15	-	-	-	-	-
3	9.27	-	-	-	-	-
4	9.68	-	-	-	-	-
5	10.75	-	2.86	1682.	8.82	20.81
6	10.66	-	3.09	1919.	9.58	24.08
7	13.72	-	2.57	1635.	8.96	21.45
8	12.80	-	2.63	1682.	8.79	21.75
9	16.28	-	2.57	1619.	7.72	18.95
10	14.67	-	2.51	1560.	5.37	14.05
11	11.45	-	2.48	1472.	4.55	11.83
12	9.49	-	3.97	2655.	12.80	30.58
1980	132.07	-	-	-	-	-

LOCATION : MNO4 ZEINI PS YEAR : 1981 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	8.48	-	4.21	2744.	13.70	32.85
2	3.64	-	5.26	3207.	7.64	21.89
3	9.56	-	2.73	1583.	8.48	19.31
4	11.34	-	3.05	1989.	9.86	23.36
5	10.22	-	2.39	1562.	8.32	19.11
6	6.41	-	-	-	-	-
7	10.19	-	3.98	2895.	12.09	30.83
8	14.08	-	2.31	1429.	7.86	18.16
9	15.14	-	2.81	1691.	8.37	20.13
10	13.55	-	2.96	1682.	8.45	20.11
11	13.86	-	3.15	1782.	8.35	19.52
12	10.03	-	3.01	1839.	9.64	22.00
1981	126.90	-	-	-	-	-

LOCATION : MNO4 ZEINI PS YEAR : 1982 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	8.77	-	3.81	2207.	10.29	24.86
2	7.54	-	3.69	2165.	9.00	21.80
3	7.18	-	4.36	2458.	8.59	22.30
4	11.36	-	2.83	1714.	8.05	19.86
5	18.73	-	1.75	1124.	5.63	12.45
6	17.60	-	2.43	1684.	7.64	18.94
7	22.91	-	2.34	1544.	8.05	19.17
8	16.25	-	3.57	2313.	9.00	21.41
9	18.50	-	3.26	2073.	7.72	19.96
10	19.91	-	3.21	1929.	10.03	23.73
11	14.85	-	2.30	1399.	8.52	18.39
12	13.03	-	2.19	1314.	6.33	14.49
1982	169.63	-	2.84	1767.	7.99	19.51

LOCATION : MNO4 ZEINI PS YEAR : 1983 CODE : 13

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	18.67	-	-	-	-	-
2	9.86	-	6.90	4081.	14.36	36.37
3	10.80	-	4.00	2397.	11.56	26.85
4	11.86	-	-	-	-	-
5	16.70	-	2.61	1679.	10.86	23.19
6	16.29	-	2.55	1672.	9.96	23.21
7	20.20	-	2.68	1767.	9.68	23.33
8	13.00	-	3.44	2322.	11.37	29.31
9	16.99	-	2.95	1863.	9.87	22.95
10	17.32	-	3.76	2428.	15.69	35.49
11	12.51	-	-	-	-	-
12	13.23	-	2.72	1591.	7.74	18.13
1983	173.43	-	-	-	-	-

LOCATION : MTO1 TIRA PB YEAR : 1980 CODE : 11
Q = 8.200 - (0.000) * H ; QCAP = 8.200 HAV = 3.580

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	27.56	25.18	-	-	-	-
2	14.07	12.84	-	-	-	-
3	30.12	27.42	-	-	-	-
4	24.46	22.32	-	-	-	-
5	25.82	23.56	8.14	4853.	30.96	70.53
6	33.97	30.73	4.58	2734.	12.07	30.40
7	44.98	40.97	4.66	2729.	8.62	23.03
8	48.18	45.43	4.75	2906.	12.50	32.31
9	51.31	48.29	5.37	3329.	14.79	37.80
10	39.25	35.96	6.69	4032.	14.19	39.15
11	30.05	27.42	7.04	4223.	13.05	36.25
12	31.46	32.15	10.82	7354.	23.69	61.27
1980	401.23	372.28	-	-	-	-

LOCATION : MTO1 TIRA PB YEAR : 1981 CODE : 11
Q = 8.200 - (0.000) * H ; QCAP = 8.200 HAV = 3.580

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	24.20	24.86	10.58	7143.	24.09	62.71
2	10.58	10.86	11.33	6825.	23.07	65.36
3	19.10	17.98	9.03	5137.	15.98	41.62
4	16.34	16.83	9.32	6156.	18.92	51.04
5	21.84	22.38	8.58	5435.	19.42	50.36
6	22.79	23.20	4.83	3106.	15.38	38.21
7	33.42	34.57	6.92	4421.	18.13	46.81
8	40.17	41.18	5.39	3188.	12.35	31.65
9	41.93	42.95	5.46	3092.	11.38	29.51
10	36.47	37.37	5.45	3008.	11.46	29.18
11	24.98	25.51	7.87	4504.	15.22	40.37
12	32.29	33.21	9.06	5561.	19.71	49.54
1981	324.11	330.89	7.28	4443.	16.34	42.44

LOCATION : MTO1 TIRA PB YEAR : 1982 CODE : 11
Q = 8.200 - (0.000) * H ; QCAP = 8.200 HAV = 3.580

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	27.63	28.34	11.33	6644.	20.00	53.26
2	12.42	12.69	12.95	7409.	19.38	53.59
3	21.25	21.79	9.25	5339.	14.94	40.37
4	23.41	24.00	6.96	4093.	15.69	40.16
5	19.72	20.22	8.09	4958.	17.55	45.74
6	30.71	31.53	-	-	-	-
7	51.47	52.75	5.37	3426.	14.68	37.40
8	50.62	51.96	6.39	3861.	15.89	36.34
9	48.85	43.04	6.90	4383	23.58	56.27
10	36.25	37.14	6.48	4016.	17.03	42.12
11	24.12	24.71	8.35	4825.	18.44	47.13
12	30.32	31.17	5.80	3413.	14.74	35.12
1982	376.77	379.33	-	-	-	-

LOCATION : MTO1 TIRA PB YEAR : 1983 CODE : 11
Q = 8.200 - (0.000) * H ; QCAP = 8.200 HAV = 3.580

MONTH	DISCHARGE 10**6 M3 DESIGN	DRI	EC MMHO/CM	TDS PPM	SAR	ADJ SAR
1	40.06	41.06	-	-	-	-
2	12.05	12.34	13.71	8212.	21.72	58.75
3	20.46	21.17	11.74	6974.	21.42	55.69
4	29.53	30.26	-	-	-	-
5	29.50	30.11	7.32	4696.	19.67	48.75
6	29.55	30.29	7.27	4751.	19.80	50.29
7	46.04	49.27	6.30	4111.	18.10	44.47
8	49.41	50.63	5.79	3871.	16.69	42.82
9	47.81	49.00	5.15	3395.	16.12	39.23
10	34.44	35.31	4.49	2997.	15.11	36.39
11	24.08	24.71	-	-	-	-
12	26.75	27.45	8.18	4955.	16.03	42.06
1983	391.68	401.59	-	-	-	-

LOCATION : M101 UPPER PS NO 1 YEAR : 1980 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 =	6.490	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B =	-0.330	- SLOPE OF CAPACITY CURVE
H		- SUCTION HEAD IN M
QCAP=	5.754	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =	2.230	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1980 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	3.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	2.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	5.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	3.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	3.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	5.92	1.04	695.	7.62	4.74	9.86	0.92	1.80	1.75	6.32	0.24	0.00	4.48	0.76	4.89
7	7.65	0.98	676.	7.73	3.85	8.40	0.85	2.16	1.87	5.47	0.19	0.00	4.88	0.67	4.15
8	7.13	0.91	638.	7.67	3.21	7.01	0.32	2.85	1.41	4.68	0.14	0.00	4.58	1.00	3.50
9	6.73	0.86	604.	8.13	3.90	8.10	1.16	1.82	1.53	5.05	0.13	0.00	4.91	0.71	3.35
10	4.91	0.75	527.	7.86	2.15	4.64	0.00	2.41	1.82	3.12	0.13	0.00	4.13	0.72	2.64
11	3.85	0.52	341.	7.70	1.53	2.76	0.00	1.45	1.50	1.86	0.15	0.00	2.52	0.43	2.00
12	4.15	1.11	742.	7.17	4.05	8.46	0.00	2.80	1.87	6.19	0.15	0.00	3.94	2.72	4.76
1980	58.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	2.64	1.86	1258.	7.23	5.89	14.41	0.00	3.81	3.52	11.27	0.28	0.00	6.00	3.70	9.18
2	1.37	5.39	3348.	7.39	13.61	37.12	0.00	7.46	8.34	38.26	0.74	0.00	7.97	3.58	43.25
3	4.26	0.99	639.	8.30	2.92	6.44	0.00	2.33	2.55	4.56	0.12	0.00	4.27	0.30	4.99
4	4.07	0.68	462.	7.38	2.51	4.92	0.13	1.73	1.54	3.20	0.17	0.00	3.39	0.49	2.76
5	2.14	1.52	1061.	7.47	7.03	15.71	0.88	2.72	1.87	10.66	0.22	0.00	5.47	3.38	6.61
6	4.33	1.83	1258.	7.66	9.24	21.29	2.66	2.64	1.78	13.74	0.20	0.00	7.08	2.26	9.02
7	8.69	1.15	824.	7.70	5.47	11.65	0.91	2.66	1.20	7.59	0.24	0.00	4.77	2.80	4.13
8	5.44	1.17	821.	7.93	3.59	8.33	0.00	2.81	2.86	6.04	0.23	0.00	5.05	2.34	4.54
9	5.19	0.80	569.	7.83	2.67	5.81	0.50	2.27	1.79	3.81	0.15	0.00	4.56	0.58	2.88
10	3.89	1.16	755.	7.27	4.38	9.57	0.09	1.81	2.69	6.56	0.21	0.00	4.59	0.80	5.89
11	2.43	1.37	909.	7.36	4.73	11.12	0.33	2.19	3.29	7.82	0.21	0.00	5.81	0.75	6.95
12	2.05	1.28	880.	7.79	3.89	8.89	0.00	3.05	3.13	6.84	0.06	0.00	4.41	3.64	5.03
1981	46.42	1.34	898.	7.58	5.08	11.46	0.04	2.65	2.36	8.05	0.21	0.00	5.05	1.88	6.34

THE WATER QUALITY DATA DURING 1982 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	1.97	2.05	1235.	7.84	5.65	13.19	0.00	3.84	4.43	11.49	0.03	0.00	4.20	2.45	13.13
2	0.66	3.72	2161.	7.43	7.32	19.07	0.00	7.10	8.42	20.40	0.07	0.00	5.30	2.73	27.95
3	1.98	2.01	1453.	7.91	5.63	15.28	0.91	3.94	5.00	11.91	0.24	0.00	9.84	2.54	8.70
4	6.52	1.12	797.	7.94	5.44	11.92	1.91	1.65	2.08	7.43	0.15	0.00	5.64	1.32	4.35
5	9.59	0.95	685.	7.97	3.75	8.02	0.11	2.18	2.00	5.42	0.14	0.00	4.28	2.60	2.84
6	5.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	10.83	0.97	704.	7.68	4.57	9.75	1.48	2.72	0.82	6.08	0.19	0.00	5.02	1.31	3.48
8	5.79	1.36	996.	7.27	4.05	10.03	0.01	4.70	1.88	7.35	0.24	0.00	6.59	2.38	5.21
9	8.63	1.31	978.	7.76	5.91	13.11	0.31	3.29	1.40	9.06	0.09	0.00	5.01	5.13	3.71
10	3.85	1.79	1271.	7.51	7.17	16.93	0.00	2.93	3.09	12.43	0.21	0.00	5.93	5.40	7.33
11	3.02	1.01	652.	7.45	4.37	7.77	0.00	2.22	1.55	6.00	0.06	0.00	2.23	3.38	4.23
12	2.23	1.06	693.	7.32	3.82	7.88	0.00	2.85	1.68	5.75	0.09	0.00	3.41	2.04	4.91
1982	56.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 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	4.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	1.91	2.52	1575.	8.00	7.01	16.76	0.00	4.27	5.24	15.29	0.24	0.00	4.48	5.07	15.49
3	2.45	1.29	946.	8.83	7.71	16.47	2.77	1.27	1.98	9.83	0.25	0.00	6.02	2.80	4.50
4	4.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	6.72	1.23	848.	8.32	8.55	15.52	1.32	1.54	0.94	9.52	0.18	0.00	3.80	4.02	4.36
6	9.80	1.21	815.	7.50	6.18	12.14	0.62	2.13	1.14	7.90	0.69	0.00	3.88	2.47	5.50
7	13.91	1.05	728.	7.42	4.31	8.96	0.00	2.42	1.62	6.12	0.36	0.03	3.92	2.60	3.97
8	10.73	1.60	1142.	7.80	7.77	18.07	2.41	2.57	2.01	11.76	0.33	0.88	6.11	3.36	6.28
9	10.78	1.16	790.	8.31	5.14	11.16	0.66	1.83	2.35	7.43	0.13	0.72	4.13	2.53	4.35
10	8.77	1.41	943.	7.57	6.08	12.95	0.00	2.62	2.08	9.32	0.08	0.00	4.13	3.42	6.54
11	7.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	7.59	1.47	995.	7.98	4.96	11.48	0.00	3.78	2.29	8.64	0.11	0.00	4.95	2.93	6.95
1983	87.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : M102 BRIDGE DRAIN NO 1 YEAR : 1980 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 = 12.890 - Q INTERCEPT FOR HM = 0
B = -5.370 - SLOPE OF Q-HM RELATION
HM= - DISTANCE TO WATERLEVEL FROM FIXED POINT
R2= 0.970 - CORRELATION COEFFICIENT

THE WATER QUALITY DATA DURING 1980 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	12.71	0.66	466.	7.63	1.80	3.77	0.00	1.54	2.33	2.51	0.20	0.00	3.76	0.76	2.10
6	12.26	0.72	491.	7.84	1.92	4.09	0.00	1.84	2.30	2.77	0.20	0.00	3.87	0.46	2.72
7	16.07	0.78	539.	7.44	2.08	4.49	0.00	1.84	2.68	3.13	0.17	0.00	3.87	1.23	2.70
8	16.58	0.91	611.	7.25	2.59	5.33	0.00	2.86	1.99	4.03	0.20	0.00	3.05	2.51	3.47
9	16.64	0.82	560.	7.71	2.69	5.63	0.00	2.47	1.54	3.81	0.25	0.00	3.81	0.81	3.44
10	13.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	12.04	0.89	536.	8.72	3.14	5.79	0.00	2.43	1.26	4.27	0.26	0.00	2.45	0.78	4.99
12	14.91	0.94	592.	8.99	4.67	8.53	0.05	1.59	1.37	5.67	0.26	0.00	3.01	0.89	4.99
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	5.03	1.50	994.	9.10	6.95	14.92	0.46	2.23	2.04	10.16	0.35	0.00	4.74	2.57	7.47
2	8.79	1.26	869.	9.15	5.26	11.73	0.70	3.14	1.38	7.91	0.16	0.00	5.22	1.71	5.68
3	9.46	0.92	661.	8.28	5.38	10.90	2.32	1.29	1.46	6.31	0.15	0.00	5.08	0.77	3.39
4	10.19	0.87	659.	8.45	4.03	8.81	2.19	1.61	1.86	5.31	0.20	0.00	5.66	0.78	2.61
5	7.56	0.93	719.	8.22	5.13	11.06	2.94	1.64	1.48	6.41	0.21	0.00	6.07	1.07	2.58
6	8.35	1.33	1005.	8.48	8.17	18.07	4.26	1.72	1.47	10.32	0.32	0.00	7.46	1.83	4.54
7	11.03	1.16	855.	7.43	3.86	8.86	0.00	2.89	2.65	6.42	0.23	0.00	4.91	3.82	3.54
8	11.41	1.28	932.	7.98	3.63	9.07	0.35	2.73	3.82	6.56	0.20	0.00	6.90	1.73	4.76
9	10.29	0.81	566.	7.89	2.47	5.47	0.50	2.01	2.24	3.60	0.20	0.00	4.74	0.22	3.04
10	9.38	0.74	502.	7.35	2.31	4.78	0.00	1.91	1.95	3.21	0.20	0.00	3.68	0.69	2.86
11	7.76	0.76	572.	7.68	2.85	6.21	1.18	2.17	1.59	3.91	0.14	0.00	4.94	0.83	2.04
12	7.70	0.97	731.	9.19	3.74	8.55	1.15	2.64	1.84	5.61	0.06	0.00	5.64	1.65	2.86
1981	103.96	1.03	745.	7.87	4.18	9.37	1.22	2.15	2.07	6.08	0.20	0.00	5.44	1.45	3.62

LOCATION : M102 BRIDGE DRAIN NO 1 YEAR : 1982 CODE : 24
THE WATER QUALITY DATA DURING 1982 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	-	1.59	1118.	7.96	5.00	12.51	0.00	1.56	5.52	9.41	0.06	0.00	6.80	3.27	6.48
2	-	1.11	757.	8.21	3.09	7.02	0.00	1.37	4.53	5.31	0.10	0.00	4.29	2.98	4.04
3	-	0.92	640.	8.30	2.76	6.18	0.00	2.15	2.69	4.29	0.13	0.00	4.57	1.26	3.42
4	-	1.10	771.	7.78	4.82	10.64	1.41	2.49	1.50	6.82	0.16	0.00	5.41	1.00	4.56
5	-	0.89	634.	7.77	3.27	7.00	0.02	2.19	1.99	4.73	0.14	0.00	4.20	1.90	2.95
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	1.16	868.	8.02	5.04	11.48	2.31	2.65	1.40	7.17	0.73	0.00	6.36	1.47	4.12
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	1.14	857.	7.70	4.08	9.54	0.30	2.84	2.46	6.65	0.11	0.00	5.60	3.43	3.02
10	-	0.90	676.	7.92	3.71	8.11	1.02	1.98	1.98	5.22	0.17	0.00	4.98	2.10	2.28
11	-	0.75	514.	7.58	3.28	5.62	0.00	1.69	1.58	4.19	0.06	0.00	2.12	3.42	1.97
12	-	0.75	517.	7.77	2.45	4.85	0.00	1.83	2.15	3.45	0.08	0.00	2.99	2.30	2.22
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	1.65	1090.	9.14	5.74	12.45	0.00	2.75	3.55	10.19	0.22	0.00	3.56	5.21	7.94
3	-	1.27	834.	8.45	7.92	14.57	0.64	1.26	1.59	9.45	0.12	0.00	3.49	3.03	5.91
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	1.47	1015.	7.38	7.31	15.29	0.08	2.10	2.10	10.60	0.12	0.00	4.28	4.85	5.79
6	-	1.44	955.	7.50	7.10	14.58	0.04	1.91	2.10	10.07	0.19	0.00	4.06	3.44	6.77
7	-	1.65	1108.	8.05	6.49	14.47	0.00	2.26	3.40	10.92	0.16	0.05	4.45	4.57	7.67
8	-	1.87	1344.	8.22	9.74	22.86	2.86	1.86	2.82	14.91	0.11	1.09	6.45	5.34	6.85
9	-	1.75	1241.	7.66	9.03	20.32	1.64	2.74	1.73	13.50	0.13	0.23	5.88	4.66	7.33
10	-	1.23	901.	7.96	7.77	15.92	2.14	1.76	1.30	9.61	0.09	0.47	4.73	4.49	3.05
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	1.26	854.	8.43	4.81	10.32	0.00	1.61	3.58	7.75	0.11	0.78	3.02	5.00	4.17
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : M103 PS NO 1 YEAR : 1980 CODE : 13
THE WATER QUALITY DATA DURING 1980 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	1.49	918.	7.57	5.43	11.51	0.00	2.52	2.74	8.81	0.22	0.00	3.62	1.92	8.76
7	-	1.81	1164.	7.64	6.32	14.39	0.00	2.33	4.11	11.34	0.19	0.00	4.51	3.73	9.73
8	-	1.92	1215.	7.41	6.22	14.39	0.00	3.33	3.75	11.69	0.15	0.00	4.57	3.26	11.09
9	-	1.76	1082.	7.47	5.61	12.75	0.00	3.23	3.32	10.15	0.24	0.00	4.33	1.89	10.71
10	-	2.25	1422.	7.48	6.58	16.43	0.00	3.93	4.54	13.54	0.13	0.00	6.17	2.38	13.59
11	-	1.75	1086.	7.38	4.48	10.75	0.00	3.61	4.28	8.90	0.23	0.00	4.86	1.68	10.49
12	-	3.78	2526.	7.35	11.82	27.46	0.00	4.43	6.57	27.73	0.72	0.00	3.83	19.67	19.94
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	-	3.79	2470.	7.83	11.91	28.98	0.00	4.52	6.28	27.69	0.59	0.00	4.97	10.49	23.62
2	-	4.61	2871.	7.91	8.52	24.62	0.00	5.93	13.66	26.65	0.44	0.00	9.50	5.02	32.07
3	-	1.76	1046.	7.38	6.25	13.50	0.00	3.38	2.41	10.63	0.15	0.00	3.78	1.20	11.60
4	-	1.70	1078.	7.31	5.67	12.67	0.00	2.52	3.87	10.13	0.21	0.00	4.07	3.36	9.33
5	-	1.94	1270.	7.67	5.76	13.38	0.00	3.97	3.94	11.44	0.24	0.00	4.26	5.28	10.08
6	-	2.05	1381.	7.62	6.69	15.35	0.00	3.08	4.72	13.20	0.23	0.00	4.13	7.30	9.80
7	-	1.89	1234.	7.75	6.13	13.90	0.00	2.97	4.25	11.64	0.22	0.00	4.06	5.35	9.67
8	-	1.95	1267.	7.35	6.49	14.50	0.00	3.57	3.53	12.22	0.28	0.00	3.89	5.41	10.34
9	-	1.72	1067.	7.31	5.18	11.92	0.00	3.24	3.64	9.60	0.21	0.00	4.41	2.04	10.24
10	-	2.12	1320.	7.34	6.61	15.08	0.00	2.54	5.12	12.93	0.30	0.00	4.06	4.28	12.55
11	-	2.01	1248.	7.57	6.39	14.34	0.00	2.06	5.24	12.21	0.27	0.00	3.83	4.25	11.70
12	-	2.34	1494.	7.63	7.38	16.75	0.00	3.03	5.33	15.08	0.16	0.00	3.78	6.65	13.17
1981	-	2.16	1375.	7.49	6.74	15.62	0.00	3.25	4.65	13.40	0.26	0.00	4.29	4.91	12.36

THE WATER QUALITY DATA DURING 1982 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	-	3.86	2281.	7.86	9.34	22.87	0.00	4.55	8.96	24.28	0.07	0.00	4.24	5.60	28.02
2	-	3.92	2254.	7.49	10.57	25.48	0.00	5.24	6.49	25.59	0.14	0.00	4.37	2.98	30.11
3	-	1.92	1150.	7.79	5.92	13.67	0.00	3.74	3.22	11.06	0.19	0.00	4.50	1.07	12.64
4	-	1.84	1147.	7.83	5.55	12.83	0.00	3.73	3.43	10.51	0.24	0.00	4.42	2.55	10.94
5	-	1.60	1028.	7.67	5.49	11.60	0.00	3.65	2.40	9.55	0.22	0.00	3.24	4.31	8.28
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	1.35	892.	7.79	3.86	8.78	0.00	3.16	3.21	6.89	0.24	0.00	4.17	2.97	6.36
8	-	2.26	1404.	7.46	5.99	12.71	0.00	5.06	4.28	12.95	0.23	0.00	2.49	6.57	13.45
9	-	2.31	1553.	7.24	8.18	18.75	0.00	3.34	4.35	16.05	0.17	0.00	4.27	8.21	11.43
10	-	2.15	1394.	7.15	7.70	17.11	0.00	2.93	4.10	14.44	0.21	0.00	3.87	6.24	11.58
11	-	1.47	924.	7.56	5.45	11.42	0.00	2.83	2.50	8.90	0.07	0.00	3.40	2.82	8.09
12	-	2.09	1277.	8.05	7.76	17.03	0.00	2.94	3.28	13.69	0.12	0.00	3.98	3.82	12.23
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	6.34	3765.	7.70	13.96	35.93	0.00	6.12	13.03	43.18	0.73	0.00	4.90	8.30	49.85
3	-	2.28	1448.	7.47	8.16	17.68	0.00	2.97	4.19	15.43	0.22	0.00	3.43	6.30	13.07
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	2.17	1441.	7.80	8.87	19.29	0.00	2.61	3.56	15.58	0.28	0.00	3.90	7.72	10.41
6	-	2.06	1385.	8.06	7.95	17.88	0.00	3.34	3.15	14.32	0.27	0.00	4.39	6.43	10.27
7	-	2.55	1649.	8.23	9.05	20.75	0.00	3.10	4.65	17.81	0.25	0.01	4.34	6.87	14.59
8	-	2.51	1563.	8.00	6.75	16.53	0.00	3.87	5.97	14.97	0.18	0.31	4.69	4.66	15.37
9	-	2.43	1522.	7.88	7.97	18.42	0.00	3.22	4.82	15.97	0.19	0.36	3.97	5.37	14.50
10	-	2.87	1810.	7.69	8.73	20.68	0.00	4.78	4.76	19.07	0.14	0.00	4.41	6.52	17.82
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	1.87	1177.	8.11	5.84	13.38	0.00	3.11	4.13	11.11	0.09	0.01	4.20	3.48	10.76
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION M104 PB NO 2 YEAR : 1980 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	=	9.860	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B	=	-0.970	- SLOPE OF CAPACITY CURVE
H			- SUCTION HEAD IN M
GCAP=		7.416	- AVERAGE PUMP CAPACITY IN M**3 PER SECOND
HAV =		2.520	- AVERAGE LIFTING HEAD IN M

THE WATER QUALITY DATA DURING 1980 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	27.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	12.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	30.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	33.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	29.57	1.48	907.	7.53	4.52	10.07	0.00	2.96	3.07	7.85	0.26	0.00	4.02	1.30	8.82
6	34.63	1.31	812.	7.62	4.69	9.96	0.00	2.42	2.51	7.36	0.21	0.00	3.76	1.37	7.37
7	44.27	1.66	1059.	7.49	4.93	11.49	0.00	2.79	4.19	9.20	0.19	0.00	4.62	2.81	8.94
8	47.56	1.59	1041.	7.43	4.81	11.34	0.00	3.14	3.67	8.87	0.18	0.00	4.97	2.65	8.24
9	45.55	1.45	928.	7.56	4.69	10.70	0.00	3.09	2.76	8.03	0.25	0.00	4.67	1.50	7.96
10	50.37	0.99	677.	7.64	2.11	4.89	0.00	3.71	2.40	3.69	0.15	0.00	4.44	1.35	4.14
11	28.35	1.71	1127.	7.35	3.06	7.91	0.00	4.84	5.39	6.93	0.19	0.00	5.90	2.61	8.82
12	30.51	1.77	1051.	7.41	3.69	8.75	0.00	3.02	5.98	7.82	0.19	0.00	4.08	1.87	11.05
1980	410.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	22.02	2.74	1886.	7.62	8.96	21.90	0.00	3.59	5.67	19.28	0.35	0.00	5.38	10.10	13.41
2	14.16	2.96	1762.	7.42	6.39	15.98	0.00	5.73	6.70	15.93	0.41	0.00	4.74	3.43	20.61
3	27.89	1.71	1012.	7.64	5.61	12.08	0.00	2.76	3.32	9.79	0.27	0.00	3.50	1.50	11.14
4	31.09	1.46	915.	7.44	4.36	9.58	0.00	2.91	3.40	7.75	0.19	0.00	3.63	2.55	8.08
5	20.88	1.90	1201.	7.71	6.02	13.78	0.00	2.94	4.23	11.39	0.20	0.00	4.27	3.71	10.81
6	32.89	1.77	1103.	8.05	4.57	10.69	0.00	2.90	5.19	9.19	0.15	0.00	4.17	3.16	10.11
7	46.00	1.74	1119.	8.22	4.18	10.04	0.00	3.53	2.92	8.59	0.18	0.00	4.61	3.05	9.63
8	46.52	1.77	1122.	7.81	4.44	10.59	0.00	4.05	4.22	9.02	0.20	0.00	4.55	2.98	9.98
9	44.32	1.70	1041.	7.27	4.66	10.88	0.00	2.79	4.53	8.92	0.19	0.00	4.45	1.79	10.16
10	39.16	1.43	866.	7.01	3.85	8.64	0.00	2.20	4.32	6.94	0.22	0.00	3.87	1.45	8.33
11	26.98	1.70	1093.	7.32	4.87	11.21	0.00	3.55	3.80	9.33	0.21	0.00	4.16	3.79	8.94
12	28.73	1.78	1137.	7.43	5.78	12.65	0.00	3.62	3.29	10.73	0.07	0.00	3.50	4.62	9.61
1981	380.65.	1.80	1131.	7.46	5.03	11.68	0.00	3.51	4.14	9.84	0.21	0.00	4.22	3.21	10.27

THE WATER QUALITY DATA DURING 1982 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	22.27	2.55	1524.	7.99	5.49	13.44	0.00	4.97	6.64	13.23	0.05	0.00	4.29	3.70	16.90
2	13.78	2.20	1269.	7.49	4.64	10.83	0.00	4.62	5.74	10.57	0.06	0.00	3.51	2.27	15.20
3	27.53	1.51	905.	7.82	3.94	8.71	0.00	3.21	3.73	7.33	0.14	0.00	3.46	1.78	9.16
4	23.07	1.84	1152.	7.90	5.55	12.59	0.00	3.94	3.28	10.54	0.23	0.00	4.00	3.37	10.62
5	24.17	1.39	898.	7.62	4.48	9.75	0.00	3.68	2.12	7.64	0.21	0.00	3.69	2.89	7.07
6	30.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	42.71	1.72	1124.	8.03	6.11	13.68	0.00	4.42	1.70	10.69	0.26	0.00	4.27	3.57	9.22
8	38.18	2.11	1273.	7.67	6.24	12.87	0.00	6.12	1.69	12.34	0.19	0.00	2.50	4.33	13.52
9	34.64	2.30	1556.	7.83	7.89	18.54	0.00	4.02	3.86	15.66	0.25	0.00	4.76	7.48	11.55
10	37.31	1.59	1064.	7.62	5.70	12.46	0.00	2.43	3.60	9.91	0.23	0.00	3.79	5.15	7.25
11	23.88	1.67	1078.	7.69	6.21	13.46	0.00	2.78	3.09	10.64	0.09	0.00	3.79	4.11	8.71
12	26.11	1.69	1035.	7.68	6.05	12.91	0.00	3.37	2.44	10.31	0.11	0.00	3.54	2.48	10.21
1982	343.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 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	28.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	12.12	5.84	3449.	7.99	10.53	27.22	0.00	8.01	14.47	35.31	0.50	0.00	4.33	8.40	45.57
3	27.87	1.65	1171.	7.87	6.83	14.21	0.00	3.68	2.44	11.95	0.17	0.00	3.09	4.84	10.31
4	31.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	32.04	1.94	1284.	8.12	8.38	17.47	0.00	2.41	3.06	13.86	0.20	0.00	3.51	7.20	8.82
6	27.76	2.23	1390.	7.82	8.06	18.04	0.00	2.97	3.86	14.89	0.18	0.00	4.14	4.19	13.56
7	44.93	2.14	1230.	7.65	9.76	19.82	0.00	2.80	1.88	14.92	0.15	0.01	3.63	0.79	15.32
8	42.40	2.16	1369.	7.95	7.72	18.12	0.00	3.61	3.23	14.27	0.18	0.29	4.97	3.42	12.60
9	39.36	2.11	1328.	8.24	6.77	16.12	0.00	3.39	4.13	13.12	0.18	0.30	4.85	3.36	12.28
10	32.96	2.22	1458.	8.49	6.14	14.87	0.00	3.73	5.47	13.17	0.35	0.25	4.55	6.22	11.79
11	25.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	30.11	1.97	1187.	8.27	6.41	14.53	0.00	3.39	3.46	11.86	0.12	0.07	4.15	2.06	12.57
1983	374.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : MILL PS NO 11 YEAR : 1980 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 1980 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	14.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	12.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	20.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	31.14	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	35.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	37.87	1.84	1209.	7.55	5.62	13.61	0.00	2.91	4.48	10.80	0.27	0.00	5.57	3.28	9.61
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	55.39	1.42	897.	7.38	3.64	8.65	0.00	3.32	3.48	6.71	0.24	0.00	4.99	0.82	7.93
10	44.92	1.57	1014.	7.52	3.56	8.78	0.00	3.41	4.82	7.22	0.16	0.00	5.31	2.03	8.28
11	31.83	2.09	1351.	7.32	4.34	11.03	0.00	4.03	6.51	9.97	0.58	0.00	5.45	4.20	11.44
12	24.49	3.23	2137.	7.27	8.15	20.58	0.00	4.11	8.47	20.43	0.72	0.00	5.17	10.09	18.46
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	22.92	3.22	2012.	7.46	8.60	21.21	0.00	5.42	5.72	20.30	0.69	0.00	4.93	6.08	21.12
2	23.76	2.86	1778.	7.59	8.87	22.45	0.00	6.45	2.33	18.58	0.39	0.00	6.87	1.57	19.31
3	45.91	1.50	1001.	7.99	5.60	13.21	0.69	2.96	2.47	9.23	0.17	0.00	6.12	0.91	7.81
4	35.61	1.78	1116.	7.44	5.72	12.92	0.00	2.98	3.74	10.48	0.21	0.00	4.14	3.11	10.16
5	34.47	1.55	955.	7.59	4.67	10.68	0.00	2.96	3.38	8.32	0.22	0.00	4.44	1.15	9.28
6	32.94	1.83	1216.	7.63	5.13	12.52	0.00	2.62	5.45	10.30	0.26	0.00	5.39	4.22	9.01
7	41.12	1.74	1157.	7.62	9.17	19.48	0.94	1.84	2.21	13.05	0.24	0.00	4.98	3.41	8.95
8	43.96	1.83	1183.	7.53	5.90	13.66	0.00	3.01	3.99	11.05	0.22	0.00	4.55	3.87	9.85
9	48.98	1.76	1149.	7.48	3.88	8.86	0.00	3.56	5.89	8.42	0.19	0.00	3.29	6.43	8.34
10	41.72	1.45	918.	7.39	4.28	9.82	0.00	2.50	3.82	7.61	0.23	0.00	4.47	1.70	7.99
11	33.27	1.81	1385.	7.58	5.07	13.83	1.45	3.15	5.61	10.62	0.26	0.00	10.22	3.34	6.08
12	27.44	2.47	1754.	7.82	6.98	18.55	0.00	4.44	5.84	15.83	0.18	0.00	7.97	7.04	11.28
1981	432.09	1.89	1239.	7.57	5.85	14.09	0.00	3.29	4.14	11.27	0.25	0.00	5.43	3.49	10.03

THE WATER QUALITY DATA DURING 1982 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	21.70	3.25	1922.	7.60	5.79	14.62	0.00	4.91	10.78	16.21	0.21	0.00	4.26	5.21	22.63
2	8.38	4.17	2368.	7.19	6.90	18.38	0.00	5.96	12.85	21.18	0.27	0.00	5.35	2.55	32.37
3	17.87	2.97	1760.	7.47	7.13	17.91	0.00	5.95	5.36	16.97	0.31	0.00	5.24	2.13	21.22
4	34.67	1.69	1049.	7.68	5.46	12.42	0.00	3.72	2.60	9.71	0.22	0.00	4.44	1.73	10.07
5	39.36	1.53	966.	7.79	4.31	9.71	0.00	3.26	3.24	7.78	0.60	0.00	3.99	2.36	8.53
6	43.55	1.53	964.	7.91	4.30	9.99	0.00	2.64	4.07	7.87	0.35	0.00	4.59	1.72	8.62
7	50.48	1.50	955.	7.99	4.93	10.96	0.00	3.02	2.92	8.50	0.22	0.00	4.08	2.50	8.08
8	50.99	1.91	1189.	7.73	4.14	9.01	0.00	5.24	4.50	9.13	0.17	0.00	2.60	5.72	10.73
9	34.06	2.11	1525.	7.47	6.20	15.10	0.00	4.06	5.28	13.39	0.15	0.00	4.94	10.27	7.67
10	39.54	1.72	1143.	7.53	5.92	13.41	0.00	3.12	3.38	10.68	0.20	0.00	4.30	4.73	8.35
11	32.87	1.49	938.	7.85	5.71	11.70	0.00	2.82	2.40	9.23	0.06	0.00	3.16	3.40	7.95
12	26.95	1.88	1144.	7.76	6.66	14.28	0.00	3.73	2.49	11.74	0.10	0.00	3.49	2.89	11.68
1982	420.42	1.90	1207.	7.67	5.32	12.33	0.00	3.78	4.22	10.65	0.24	0.00	4.08	4.16	10.65

THE WATER QUALITY DATA DURING 1983 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	27.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	9.14	5.47	3106.	7.54	11.92	29.29	0.00	7.20	9.98	34.95	0.55	0.00	3.89	3.98	44.80
3	20.23	2.53	1546.	7.55	8.14	18.09	0.00	4.04	4.10	16.43	0.19	0.00	3.52	4.95	16.30
4	31.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	44.01	1.99	1310.	7.07	8.45	18.56	0.00	3.22	2.26	13.99	0.44	0.00	4.50	4.73	10.67
6	43.12	2.00	1279.	7.38	7.93	18.19	0.00	3.02	2.73	13.44	0.37	0.00	5.35	2.89	11.61
7	42.03	1.73	1141.	8.04	6.57	15.44	0.07	2.80	2.99	11.17	0.19	0.02	5.83	2.20	9.10
8	53.73	1.55	1088.	8.29	5.48	13.12	0.00	3.53	2.73	9.70	0.11	0.40	5.52	3.91	6.23
9	53.55	1.67	1118.	8.20	5.76	13.17	0.00	3.62	2.85	10.37	0.12	0.13	4.38	4.47	7.97
10	43.96	1.43	1023.	8.17	3.87	8.81	0.00	3.25	4.18	7.45	0.37	0.01	3.78	6.76	4.70
11	31.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	29.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	429.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION M701 PS NO 7 YEAR : 1980 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 1980 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	20.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	12.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	27.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	25.23	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	27.55	2.89	1784.	7.74	7.36	17.58	0.00	4.54	6.34	17.17	0.65	0.00	4.10	5.87	18.73
6	31.43	3.33	1998.	7.72	6.68	17.04	0.00	4.93	9.37	17.85	0.59	0.00	4.90	4.50	23.34
7	44.93	3.50	2128.	7.88	8.99	22.50	0.00	4.55	7.50	22.07	0.45	0.00	5.13	5.18	24.26
8	44.03	3.90	2329.	7.59	9.88	25.09	0.00	5.68	7.13	25.00	0.30	0.00	5.47	4.16	28.48
9	44.10	3.96	2450.	7.48	11.29	27.80	0.00	5.15	6.60	27.36	0.45	0.00	4.97	7.32	27.27
10	36.71	3.80	2349.	7.41	8.21	21.44	0.00	6.86	8.37	22.66	0.29	0.00	5.56	6.68	25.92
11	30.06	4.03	2386.	7.06	8.31	21.86	0.00	6.47	9.00	23.10	0.75	0.00	5.80	3.61	29.90
12	28.63	7.43	5072.	7.27	21.09	52.70	0.00	6.27	10.63	61.30	1.27	0.00	4.86	33.35	41.27
1980	373.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	25.64	6.95	4751.	7.56	17.70	45.68	0.00	6.76	12.39	54.78	1.11	0.00	5.21	29.52	40.30
2	15.38	5.59	3467.	7.29	11.78	30.50	0.00	7.68	11.55	36.52	1.26	0.00	4.90	11.16	40.94
3	25.00	3.97	2350.	7.55	9.96	23.72	0.00	5.69	7.21	25.31	0.59	0.00	3.81	5.62	29.41
4	27.24	4.27	2766.	7.39	11.36	27.41	0.00	4.29	9.64	29.97	0.68	0.00	3.99	13.28	27.27
5	25.10	3.55	2269.	7.59	10.56	25.17	0.00	4.64	6.37	24.78	0.42	0.00	4.28	9.49	22.46
6	29.23	2.32	1495.	7.75	6.06	14.82	0.00	4.25	5.32	13.26	0.54	0.00	4.91	5.24	13.23
7	37.86	4.07	2629.	7.64	13.90	33.35	0.00	4.23	5.78	31.08	0.56	0.00	5.03	10.86	25.69
8	33.12	4.06	2511.	7.44	10.18	25.60	0.00	3.03	10.75	26.72	0.53	0.00	4.95	8.36	27.71
9	38.16	3.69	2080.	7.60	9.14	22.55	0.00	4.06	8.00	22.43	0.35	0.00	4.76	1.34	28.74
10	31.87	4.21	2330.	7.32	9.98	24.20	0.00	3.64	9.73	25.80	0.49	0.00	4.10	1.38	34.18
11	27.46	5.43	3135.	7.46	12.98	31.65	0.00	4.83	10.90	36.40	0.67	0.00	4.01	5.50	43.29
12	22.62	4.94	3137.	7.54	12.73	30.69	0.00	5.92	9.61	35.47	0.17	0.00	3.79	13.59	33.77
1981	338.68	4.30	2667.	7.50	11.35	27.91	0.00	4.69	8.74	29.43	0.58	0.00	4.51	9.05	29.88

THE WATER QUALITY DATA DURING 1982 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	24.94	6.66	3910.	7.74	12.19	31.39	0.00	8.66	15.41	42.28	0.10	0.00	4.19	8.99	53.25
2	15.12	5.44	3028.	7.25	9.32	23.90	0.00	7.60	13.98	30.62	0.11	0.00	4.15	3.02	45.16
3	26.41	4.02	2290.	7.29	8.83	21.71	0.00	6.64	7.80	23.73	0.29	0.00	4.12	3.03	31.30
4	29.50	3.15	1902.	7.46	9.11	21.45	0.00	4.40	5.61	20.38	0.42	0.00	4.17	4.97	21.66
5	30.14	2.80	1738.	7.46	8.50	19.40	0.00	3.96	5.29	18.27	0.31	0.00	3.71	6.43	17.70
6	32.26	3.04	1879.	7.51	8.45	20.90	0.00	4.54	5.87	19.29	0.37	0.00	5.23	4.79	20.04
7	42.83	3.10	1964.	7.54	8.88	21.53	0.00	4.95	5.51	20.30	0.45	0.00	4.72	6.95	19.54
8	35.04	3.98	2542.	7.28	11.31	26.28	0.00	6.31	6.02	28.08	0.44	0.00	3.54	11.34	29.98
9	37.92	3.77	2470.	7.80	11.97	28.81	0.00	4.62	6.26	27.92	0.27	0.00	4.66	11.59	22.81
10	31.45	3.75	2288.	7.69	10.02	23.78	0.00	4.95	7.24	24.74	0.42	0.00	3.88	7.46	26.01
11	28.43	3.01	1776.	7.53	8.96	20.04	0.00	3.93	5.33	19.29	0.48	0.00	3.39	4.35	21.30
12	26.71	3.02	1729.	7.66	7.20	16.87	0.00	5.13	6.04	17.02	0.52	0.00	3.63	2.53	22.55
1982	360.75	3.69	2241.	7.50	9.61	23.16	0.00	5.31	7.04	23.87	0.36	0.00	4.15	6.67	29.77

THE WATER QUALITY DATA DURING 1983 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	31.91	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	12.24	7.90	4897.	7.43	14.88	39.29	0.00	10.73	15.89	54.29	0.73	0.00	4.76	15.73	61.15
3	24.11	4.23	2569.	7.26	11.78	26.56	0.00	5.63	6.94	29.52	0.17	0.00	3.05	8.94	30.27
4	26.65	3.24	2065.	7.42	11.33	25.03	0.00	3.70	5.10	23.77	0.27	0.00	3.45	9.56	19.83
5	30.30	2.89	1874.	7.52	11.15	24.28	0.00	2.95	4.49	21.50	0.32	0.00	3.62	9.94	15.70
6	31.79	2.53	1607.	7.76	8.61	19.56	0.00	3.44	4.47	17.13	0.29	0.00	4.04	6.28	15.03
7	39.03	2.63	1683.	8.09	8.14	19.39	0.00	3.21	5.80	17.27	0.27	0.01	4.68	6.44	15.41
8	28.18	3.92	2661.	7.86	10.52	27.45	0.00	5.04	8.82	27.69	0.40	0.44	5.74	13.55	22.20
9	27.60	3.21	2094.	8.20	10.60	24.51	0.00	3.38	6.24	23.26	0.30	0.49	3.51	11.33	17.83
10	23.93	2.83	1809.	7.95	6.95	17.01	0.00	4.38	7.50	16.93	0.17	0.15	4.24	7.97	16.63
11	19.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	18.85	3.11	1848.	8.22	7.69	18.47	0.00	5.05	6.63	18.60	0.11	0.03	4.02	4.54	21.76
1983	314.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : M801 PS NO 8 YEAR : 1980 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 1980 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	27.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	17.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	29.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	39.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	37.96	3.00	1725.	7.83	7.33	17.62	0.00	7.09	3.76	17.08	0.38	0.00	4.24	1.46	22.62
6	31.48	3.50	2095.	7.47	8.63	22.07	0.00	5.54	6.65	21.31	0.52	0.00	5.73	3.25	25.05
7	34.62	3.66	2280.	7.74	10.06	25.62	0.00	3.60	8.23	24.46	0.42	0.00	5.90	6.26	24.54
8	40.49	3.10	3046.	7.67	13.09	33.90	0.00	4.48	10.10	35.33	0.39	0.00	5.97	5.79	38.52
9	38.54	2.77	1762.	7.50	8.48	20.79	0.00	3.76	5.54	18.29	0.18	0.00	5.40	5.54	16.83
10	19.89	3.17	1971.	7.43	7.02	18.64	0.00	3.69	9.78	18.22	0.14	0.00	6.54	4.76	20.52
11	13.42	3.87	2328.	7.40	8.84	23.44	0.00	5.69	8.31	23.40	0.52	0.00	6.56	3.47	27.88
12	13.75	6.82	4436.	7.41	18.41	46.26	0.00	5.13	11.47	53.04	1.78	0.00	4.92	19.86	46.65
1980	343.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	11.32	7.96	4976.	7.63	27.30	64.84	0.00	4.66	7.35	66.92	1.71	0.00	4.88	16.51	59.26
2	5.76	8.48	4951.	7.26	17.43	45.98	0.00	12.99	9.88	58.94	1.44	0.00	5.34	5.90	72.01
3	16.62	3.62	2110.	7.56	9.85	22.85	0.00	4.88	6.41	23.39	0.27	0.00	3.63	4.40	26.93
4	15.01	2.94	1846.	7.37	8.34	19.85	0.00	3.95	6.40	18.97	0.25	0.00	4.25	6.95	18.36
5	17.94	3.59	2247.	7.57	10.58	25.29	0.00	4.29	6.72	24.83	0.32	0.00	4.35	8.20	23.62
6	19.47	6.07	3718.	7.52	14.06	35.09	0.00	5.44	13.14	42.85	0.37	0.00	4.18	12.28	45.34
7	24.83	5.36	3454.	7.92	14.53	36.75	0.00	4.69	10.57	40.14	0.48	0.00	5.12	14.29	36.47
8	24.43	4.21	2510.	7.61	10.32	26.34	0.00	4.44	9.39	27.13	0.41	0.00	5.40	5.12	30.84
9	26.60	3.96	2263.	7.41	10.23	25.74	0.00	4.57	7.95	25.20	0.32	0.00	5.39	1.36	30.89
10	23.28	4.44	2484.	7.34	10.25	25.38	0.00	2.75	11.60	27.46	0.48	0.00	4.42	2.27	35.57
11	14.44	5.34	3097.	7.38	11.15	28.45	0.00	4.00	14.23	33.66	0.55	0.00	4.60	5.96	41.85
12	14.85	4.54	2850.	7.71	11.31	27.08	0.00	4.96	10.31	31.24	0.18	0.00	3.62	12.27	30.80
1981	214.54	4.74	2855.	7.51	12.22	30.29	0.00	4.63	9.51	32.48	0.47	0.00	4.64	7.56	34.89

THE WATER QUALITY DATA DURING 1982 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	14.57	6.24	3804.	7.72	13.95	35.13	0.00	7.26	12.31	43.62	0.14	0.00	4.26	11.82	47.24
2	8.04	6.25	3677.	7.36	12.24	31.62	0.00	7.79	13.91	40.31	0.14	0.00	4.53	8.17	49.44
3	10.19	4.51	2654.	7.44	9.32	24.28	0.00	5.29	11.66	27.12	0.30	0.00	5.27	5.16	33.95
4	14.52	5.57	3364.	7.37	12.59	31.98	0.00	5.83	12.00	37.59	0.53	0.00	4.63	9.29	42.02
5	15.88	4.23	2546.	7.57	10.66	25.30	0.00	4.53	9.22	27.96	0.39	0.00	3.64	8.02	30.45
6	20.80	3.30	2035.	7.52	8.88	21.67	0.00	5.22	6.11	21.13	0.33	0.00	4.64	6.11	22.03
7	22.20	4.19	2692.	7.64	11.70	29.31	0.00	5.71	7.18	29.71	0.47	0.00	5.18	10.43	27.45
8	19.87	5.47	3476.	7.47	14.03	32.85	0.00	11.23	4.85	39.78	0.49	0.00	3.25	14.27	38.82
9	25.12	5.81	3792.	7.45	16.21	41.27	0.00	4.68	10.76	45.04	0.48	0.00	5.42	17.12	36.42
10	20.69	5.61	3403.	6.99	12.84	33.16	0.00	4.59	13.08	38.17	0.63	0.00	5.15	9.31	42.02
11	19.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	20.80	4.26	2446.	7.42	10.60	25.03	0.00	4.97	8.30	27.31	0.43	0.00	3.62	4.42	32.98
1982	212.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 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	25.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	6.06	6.70	4020.	7.35	12.83	33.19	0.00	9.00	14.21	43.71	0.63	0.00	4.42	10.50	52.62
3	16.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	17.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	17.85	4.78	3068.	7.28	15.24	35.44	0.00	4.51	7.11	36.74	0.69	0.00	3.91	14.53	30.61
6	21.61	5.25	3410.	7.56	14.27	36.66	0.00	5.18	9.85	39.11	0.67	0.00	5.66	13.90	39.25
7	28.29	4.44	2794.	7.97	11.72	30.10	0.00	4.72	9.19	30.90	0.38	0.00	5.72	9.21	30.26
8	24.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	29.57	3.46	2317.	8.32	11.13	27.73	0.00	3.25	7.25	25.51	0.25	0.25	5.47	11.47	19.08
10	24.26	4.06	2787.	8.36	10.16	25.82	0.00	5.17	10.35	28.31	0.20	0.33	4.53	17.96	21.21
11	19.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	22.22	4.31	2551.	8.19	9.57	24.30	0.00	5.86	9.67	26.68	0.19	0.02	4.76	5.71	31.93
1983	253.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : M001 EAST MENUFEYA PS YEAR : 1980 CODE : 13
THE WATER QUALITY DATA DURING 1980 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	0.82	592.	7.51	1.86	4.18	0.00	2.63	2.57	3.00	0.21	0.00	4.19	1.97	2.27
6	-	0.62	427.	7.76	1.91	3.74	0.00	2.12	1.24	2.47	0.16	0.00	3.21	0.62	2.28
7	-	0.82	581.	7.77	2.06	4.60	0.00	3.12	1.68	3.19	0.19	0.00	4.41	1.00	2.83
8	-	0.97	692.	7.51	2.52	5.89	0.00	3.90	1.59	4.18	0.17	0.00	5.10	1.05	3.68
9	-	0.89	626.	7.56	2.42	5.42	0.00	3.51	1.48	3.82	0.13	0.00	4.44	1.14	3.37
10	-	0.88	612.	7.69	1.98	4.52	0.00	3.78	1.59	3.25	0.14	0.00	4.47	0.96	3.33
11	-	1.08	701.	7.68	1.85	4.44	0.00	3.49	3.43	3.43	0.21	0.00	4.89	0.25	5.42
12	-	0.98	733.	7.50	2.00	4.93	0.00	3.14	3.28	3.58	0.25	0.00	5.99	1.68	2.59
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	-	1.10	810.	7.22	2.80	6.81	0.00	4.13	2.18	4.97	0.18	0.00	5.88	1.84	3.74
2	-	1.37	990.	7.29	4.33	10.83	1.19	3.52	2.72	7.64	0.21	0.00	7.44	0.93	5.75
3	-	0.83	573.	7.66	2.08	4.51	0.00	2.79	2.12	3.25	0.14	0.00	3.79	1.62	2.89
4	-	1.33	971.	8.08	3.91	9.35	0.00	3.95	2.73	7.15	0.18	0.00	5.28	4.44	4.28
5	-	0.91	649.	7.91	2.24	5.14	0.00	2.69	2.75	3.70	0.19	0.00	4.98	1.76	2.98
6	-	0.93	653.	7.42	2.09	4.94	0.00	2.98	2.70	3.53	0.15	0.00	5.16	0.77	3.44
7	-	0.89	628.	7.79	1.69	3.94	0.00	3.38	2.59	2.91	0.15	0.00	4.60	1.40	3.05
8	-	0.94	662.	8.15	1.99	4.42	0.00	4.05	1.96	3.45	0.17	0.00	5.60	2.99	3.03
9	-	0.77	538.	7.58	1.72	3.77	0.00	2.71	2.16	2.69	0.17	0.00	3.84	1.32	2.56
10	-	0.98	699.	7.16	2.56	6.05	0.00	2.35	3.21	4.27	0.20	0.00	5.39	1.13	3.50
11	-	1.14	820.	7.30	3.12	7.34	0.00	3.00	3.22	5.51	0.13	0.00	4.96	3.26	3.66
12	-	1.16	824.	7.47	2.50	5.92	0.00	3.34	4.01	4.80	0.04	0.00	4.40	4.07	3.74
1981	-	1.00	712.	7.61	2.45	5.70	0.00	3.24	2.67	4.21	0.16	0.00	4.73	2.14	3.41

THE WATER QUALITY DATA DURING 1982 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	-	1.56	1124.	7.52	3.08	7.92	0.00	4.92	4.82	6.81	0.11	0.00	5.93	5.10	5.62
2	-	1.51	1068.	7.12	2.74	6.91	0.00	5.88	3.88	6.06	0.11	0.00	5.21	4.91	5.81
3	-	0.60	409.	7.82	2.22	4.19	0.00	2.28	0.73	2.72	0.08	0.00	2.94	0.61	2.25
4	-	1.07	750.	7.36	2.64	6.32	0.00	3.67	2.42	4.60	0.14	0.00	5.45	1.02	4.37
5	-	0.85	606.	7.18	1.83	4.20	0.00	3.49	1.94	3.02	0.13	0.00	4.49	1.31	2.85
6	-	0.97	699.	7.47	2.92	6.76	0.20	3.21	1.90	4.66	0.12	0.00	5.31	1.01	3.60
7	-	0.95	650.	7.99	2.91	6.31	0.00	2.65	2.18	4.52	0.15	0.00	3.95	1.84	3.71
8	-	1.20	795.	7.64	2.99	6.24	0.00	4.26	2.27	5.40	0.15	0.00	2.69	4.44	4.95
9	-	0.93	662.	7.49	2.36	5.32	0.00	3.17	2.52	3.99	0.10	0.00	4.11	3.23	2.43
10	-	1.11	822.	7.51	2.88	6.76	0.00	3.46	3.04	5.19	0.12	0.00	4.71	4.19	2.91
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	0.86	620.	7.64	2.68	5.76	0.00	2.75	1.91	4.08	0.10	0.00	3.87	2.45	2.52
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 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	-	1.89	1355.	7.83	4.22	10.88	0.00	4.85	5.63	9.65	0.16	0.00	6.01	7.05	7.23
3	-	0.86	587.	7.74	2.07	4.39	0.00	3.35	1.81	3.32	0.12	0.00	3.27	2.32	3.01
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	0.78	542.	6.97	2.42	5.09	0.00	2.37	1.67	3.44	0.25	0.00	3.82	1.06	2.85
6	-	0.94	665.	7.21	2.71	6.11	0.00	2.39	2.66	4.30	0.20	0.00	4.58	1.76	3.22
7	-	1.28	869.	8.25	3.77	8.71	0.00	2.78	3.11	6.46	0.49	0.01	4.83	2.30	5.72
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	2.06	1337.	8.67	9.36	18.96	0.00	2.44	2.74	15.06	0.30	0.12	3.18	7.09	10.14
10	-	1.16	787.	8.39	2.61	6.18	0.00	3.26	3.59	4.83	0.17	0.12	4.59	2.26	4.74
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	0.93	686.	8.24	1.96	4.68	0.00	3.57	2.57	3.43	0.10	0.01	5.21	1.99	2.45
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : M002 SEQAAYA PS YEAR : 1980 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 1980 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	9.10	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	8.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	13.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	11.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	18.59	1.08	737.	7.35	2.31	5.31	0.00	2.96	3.58	4.18	0.25	0.00	4.10	2.79	4.08
6	14.76	0.99	684.	7.39	2.79	6.24	0.00	2.23	3.06	4.54	0.21	0.00	4.26	2.07	3.70
7	17.94	1.13	794.	7.62	3.15	7.48	0.00	3.11	2.78	5.40	0.19	0.00	5.49	1.53	4.46
8	24.90	1.14	803.	7.31	3.19	7.51	0.00	3.87	1.94	5.43	0.30	0.00	5.31	1.63	4.60
9	23.51	1.16	798.	7.37	3.54	8.25	0.00	2.97	2.46	5.83	0.33	0.00	5.30	1.21	5.07
10	17.99	1.40	940.	7.33	2.73	6.90	0.00	3.64	4.54	5.60	0.17	0.00	5.83	1.81	6.50
11	15.22	1.21	788.	7.41	1.98	4.80	0.00	4.54	3.30	3.92	0.22	0.00	4.68	1.16	6.13
12	14.31	1.25	897.	7.34	3.42	8.24	0.00	4.49	2.02	6.17	0.24	0.00	5.51	2.58	4.82
1980	189.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	10.36	1.50	1029.	7.10	3.68	9.15	0.00	4.51	3.25	7.25	0.28	0.00	5.82	2.51	6.97
2	7.14	1.65	1039.	7.12	5.30	12.63	0.00	3.46	2.56	9.54	0.36	0.00	4.87	1.35	9.69
3	10.27	1.06	701.	7.22	2.77	6.12	0.00	3.58	2.05	4.65	0.19	0.00	3.83	1.70	4.95
4	10.39	1.99	1383.	7.35	6.87	15.84	0.00	4.41	2.96	13.18	0.26	0.00	4.43	7.49	8.90
5	11.79	2.54	1725.	7.51	9.69	21.96	0.00	4.32	2.98	18.52	0.31	0.00	4.33	10.16	11.64
6	16.81	1.22	788.	7.28	3.45	7.87	0.00	2.09	3.78	5.92	0.19	0.00	4.45	1.48	6.04
7	23.34	1.16	818.	7.40	3.36	7.77	0.00	2.85	3.10	5.79	0.19	0.00	4.72	3.11	4.11
8	24.18	1.07	774.	7.57	3.01	6.89	0.00	3.07	2.75	5.13	0.21	0.00	4.52	3.33	3.30
9	24.04	0.95	658.	7.44	2.62	5.91	0.00	3.21	1.93	4.20	0.18	0.00	4.52	1.10	3.90
10	14.56	1.05	713.	7.29	2.96	6.69	0.00	2.45	2.89	4.84	0.29	0.00	4.49	1.61	4.36
11	9.97	1.33	923.	7.00	3.63	8.53	0.00	2.86	3.88	6.66	0.30	0.00	4.76	3.73	5.21
12	9.99	1.45	1031.	7.39	4.33	9.88	0.00	4.14	2.91	8.12	0.09	0.00	4.06	6.18	5.03
1981	173.05	1.32	907.	7.32	4.05	9.29	0.00	3.26	2.88	7.09	0.23	0.00	4.56	3.35	5.55

THE WATER QUALITY DATA DURING 1982 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	12.15	1.58	1057.	7.54	3.87	9.45	0.00	4.66	3.39	7.77	0.16	0.00	5.16	3.16	7.66
2	6.55	1.43	945.	7.20	3.32	7.92	0.00	4.63	2.82	6.49	0.16	0.00	4.65	2.60	7.05
3	12.09	0.88	598.	7.21	3.24	6.58	0.00	2.80	1.18	4.58	0.12	0.00	3.43	1.72	3.54
4	9.37	1.36	931.	7.16	4.15	9.69	0.00	3.81	2.42	7.33	0.19	0.00	4.91	2.87	5.97
5	9.74	1.07	726.	7.16	2.57	5.88	0.00	3.18	2.91	4.48	0.17	0.00	4.28	2.14	4.34
6	15.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	20.02	0.92	636.	7.67	2.57	5.71	0.00	2.69	2.28	4.06	0.20	0.00	4.25	1.38	3.61
8	21.93	1.17	756.	7.31	2.90	6.65	0.00	4.29	2.01	5.15	0.18	0.00	2.07	4.40	5.16
9	19.73	1.42	1047.	7.23	4.94	11.39	0.00	4.33	1.89	8.71	0.18	0.00	4.75	5.81	4.56
10	19.31	1.09	785.	7.30	3.76	8.38	0.00	2.99	2.10	6.00	0.19	0.00	4.46	3.22	3.60
11	16.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	14.18	1.01	704.	7.57	3.10	6.92	0.00	2.99	2.11	4.95	0.15	0.00	4.38	2.02	3.79
1982	172.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 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	14.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	6.38	2.37	1601.	7.11	5.47	14.11	0.00	6.44	4.86	13.01	0.29	0.00	5.89	6.35	12.37
3	9.52	1.09	739.	6.84	3.90	8.38	0.00	2.91	1.77	5.97	0.19	0.00	4.03	2.23	4.57
4	10.15	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	16.49	0.96	664.	7.13	4.13	8.39	0.24	2.08	1.55	5.56	0.39	0.00	3.87	2.00	3.63
6	20.37	1.16	763.	7.62	4.22	9.10	0.00	2.35	2.35	6.47	0.21	0.00	4.11	1.81	5.43
7	23.81	1.35	947.	8.05	5.12	11.52	0.00	3.22	2.14	8.38	0.13	0.01	4.71	3.83	5.31
8	24.45	1.27	926.	8.30	4.49	10.42	0.00	2.73	2.98	7.60	0.16	0.31	4.85	4.43	3.86
9	22.02	1.20	833.	8.91	4.38	9.70	0.00	2.29	2.93	7.07	0.12	0.46	3.91	3.81	4.22
10	18.96	1.48	980.	7.84	4.86	11.12	0.00	3.16	3.03	8.58	0.09	0.11	4.38	3.29	7.07
11	18.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	19.12	1.35	864	8.18	2.88	6.90	0.00	3.84	3.76	5.62	0.08	0.03	4.61	1.53	7.13
1983	204.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : M003 MAHALLET RUH PS YEAR : 1980 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 1980 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	7.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	4.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	6.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	8.35	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	6.78	1.07	748.	7.47	2.97	6.75	0.00	3.19	2.52	5.01	0.17	0.00	4.42	2.52	3.97
6	6.49	0.90	629.	7.36	2.18	4.96	0.00	2.86	2.48	3.57	0.16	0.00	4.47	1.42	3.18
7	6.11	1.05	752.	7.54	2.43	5.76	0.00	3.50	2.57	4.23	0.44	0.00	5.14	1.89	3.71
8	7.14	1.50	1052.	7.26	3.95	9.83	0.00	4.45	2.96	7.61	0.39	0.00	6.12	2.80	6.48
9	9.79	1.22	847.	7.36	3.92	8.28	0.00	3.74	2.30	6.12	0.20	0.00	5.14	2.13	5.09
10	7.30	1.07	740.	7.52	1.61	3.96	0.00	4.10	3.49	3.13	0.16	0.00	5.20	1.53	4.14
11	6.54	1.38	903.	7.52	2.32	5.74	0.00	4.43	4.38	4.87	0.15	0.00	4.95	2.11	6.77
12	7.14	1.40	978.	7.60	2.83	6.94	0.00	4.50	4.09	5.86	0.15	0.00	4.87	4.38	5.35
1980	84.41	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	6.46	1.38	963.	7.34	3.14	7.82	0.00	4.02	3.80	6.20	0.18	0.00	5.79	2.75	5.68
2	3.92	1.56	1021.	7.22	3.82	9.34	0.00	3.16	4.58	7.51	0.33	0.00	5.38	2.21	7.97
3	7.24	1.04	693.	7.61	2.70	5.97	0.00	3.49	2.18	4.54	0.13	0.00	3.81	1.86	4.67
4	6.77	1.15	805.	7.30	3.06	7.13	0.00	3.40	2.82	5.40	0.16	0.00	4.68	2.75	4.35
5	7.02	1.35	907.	7.48	5.88	12.59	0.00	2.80	1.66	8.78	0.16	0.00	4.40	2.83	6.17
6	7.20	1.04	728.	7.22	3.39	7.56	0.00	2.84	2.17	5.37	0.16	0.00	4.47	2.21	3.86
7	7.47	0.98	702.	7.68	2.78	6.30	0.00	3.29	2.06	4.55	0.16	0.00	4.47	2.26	3.34
8	9.11	1.03	723.	7.92	2.55	5.75	0.00	4.18	1.73	4.39	0.19	0.00	4.00	2.80	3.70
9	11.53	0.89	610.	7.46	1.77	3.98	0.00	3.06	2.72	3.02	0.14	0.00	3.85	2.03	3.06
10	8.11	1.05	734.	7.20	2.70	6.20	0.00	2.06	3.90	4.67	0.18	0.00	4.41	2.84	3.55
11	6.93	1.32	925.	7.13	3.95	9.13	0.00	3.17	3.25	7.07	0.16	0.00	4.56	4.22	4.86
12	6.48	1.32	910.	7.38	2.34	5.56	0.00	4.45	4.36	4.90	0.07	0.00	3.99	4.91	4.89
1981	88.24	1.14	787.	7.38	3.02	6.93	0.00	3.31	2.83	5.29	0.16	0.00	4.40	2.77	4.42

THE WATER QUALITY DATA DURING 1982 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	1.76	1224.	7.32	3.09	7.90	0.00	6.47	4.69	7.29	0.11	0.00	5.27	5.86	7.43
2	3.55	1.39	954.	7.19	2.58	6.26	0.00	5.80	3.03	5.42	0.09	0.00	4.47	4.02	5.85
3	5.55	0.84	581.	7.24	1.96	4.42	0.00	3.18	1.96	3.15	0.09	0.00	4.34	0.77	3.27
4	6.38	1.06	723.	7.23	2.33	5.52	0.00	4.12	2.19	4.13	0.12	0.00	4.99	1.00	4.57
5	7.68	0.87	603.	7.11	1.72	3.86	0.00	3.28	2.48	2.91	0.12	0.00	3.89	1.98	2.93
6	6.09	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	9.90	1.15	797.	7.60	3.19	7.11	0.00	4.12	1.92	5.54	0.14	0.00	3.86	3.51	4.36
8	9.29	1.48	999.	7.63	4.00	8.39	0.00	5.31	2.06	7.68	0.14	0.00	2.62	6.42	6.15
9	6.83	1.16	828.	7.51	3.36	7.69	0.00	3.12	2.98	5.86	0.12	0.00	4.42	3.85	3.82
10	4.04	0.92	655.	7.56	2.46	5.50	0.00	2.61	2.70	4.01	0.13	0.00	4.15	2.52	2.78
11	2.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	5.68	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1982	66.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 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	5.37	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	2.40	1.46	1001.	7.93	3.39	8.01	0.00	4.56	3.58	6.83	0.13	0.00	4.25	4.80	6.06
3	4.45	0.84	571.	7.86	2.53	5.17	0.00	3.17	1.30	3.78	0.08	0.00	3.15	2.13	3.05
4	3.58	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	5.04	0.63	441.	7.27	2.24	4.31	0.00	1.97	1.31	2.88	0.10	0.00	3.06	1.25	1.96
6	3.30	1.20	817.	7.40	4.02	9.08	0.00	3.01	2.29	6.55	0.17	0.00	4.69	2.06	5.28
7	4.60	1.33	901.	7.95	4.87	10.79	0.00	2.60	2.75	7.97	0.12	0.02	4.32	3.30	5.80
8	4.48	1.41	950.	7.51	4.80	11.00	0.00	3.36	2.59	8.28	0.12	0.92	4.21	3.44	6.17
9	7.52	0.93	620.	8.11	2.86	6.18	0.00	2.03	2.84	4.46	0.07	0.56	3.32	2.04	3.46
10	5.61	0.94	669.	8.29	2.37	5.39	0.00	3.40	2.07	3.92	0.26	0.23	4.16	2.28	2.97
11	6.19	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	5.71	1.24	840.	8.18	2.64	6.36	0.00	4.03	3.35	5.06	0.12	0.10	4.81	2.35	5.31
1983	58.25	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : M004 SAMATAY PS YEAR : 1980 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 1980 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	25.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	17.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	28.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	28.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	30.34	0.94	638.	7.74	2.98	6.43	0.00	2.42	2.17	4.52	0.21	0.00	4.02	1.40	3.91
6	34.05	1.27	852.	7.66	4.14	9.20	0.00	2.83	2.79	6.94	0.17	0.00	4.15	3.04	5.54
7	36.56	1.38	933.	7.36	3.95	9.27	0.00	3.69	2.89	7.17	0.18	0.00	4.84	2.76	6.33
8	38.40	1.47	1011.	7.52	4.94	11.39	0.00	4.39	1.73	8.65	0.17	0.00	4.78	3.58	6.58
9	37.73	1.43	944.	7.37	4.42	10.26	0.00	3.64	2.54	7.77	0.20	0.00	4.86	2.20	7.10
10	31.21	1.38	976.	7.57	2.17	5.68	0.00	4.04	5.51	4.74	0.15	0.00	6.56	2.66	5.22
11	26.21	1.73	1158.	7.06	3.61	9.22	0.00	4.86	4.67	7.87	0.19	0.00	5.94	3.17	8.49
12	26.62	1.90	1347.	7.30	5.78	14.08	0.00	3.91	4.32	11.73	0.20	0.00	5.32	7.03	7.81
1980	362.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	25.48	2.13	1385.	7.18	6.38	15.50	0.00	3.15	5.09	12.95	0.28	0.00	5.33	4.51	11.56
2	18.06	1.99	1282.	7.12	7.33	17.20	0.00	2.78	3.47	12.96	0.38	0.00	5.55	2.76	11.28
3	32.91	1.43	911.	7.42	4.44	9.92	0.00	3.76	2.27	7.71	0.17	0.00	4.09	2.05	7.81
4	36.21	1.29	866.	7.48	3.90	8.77	0.00	2.79	3.20	6.75	0.24	0.00	4.14	3.10	5.79
5	33.81	1.35	926.	7.47	4.39	9.87	0.00	4.02	1.96	7.58	0.20	0.00	4.25	3.74	5.67
6	43.56	1.40	975.	7.59	4.75	10.60	0.00	2.64	3.43	8.27	0.19	0.00	4.09	5.09	5.34
7	50.84	1.37	935.	7.83	4.64	10.48	0.00	2.51	3.32	7.92	0.19	0.00	4.47	3.75	5.72
8	46.88	1.52	945.	7.48	3.88	9.15	0.00	2.87	4.32	7.35	0.20	0.00	4.66	1.28	8.81
9	47.32	1.48	951.	7.58	4.07	9.57	0.00	3.51	3.32	7.52	0.19	0.00	4.80	1.80	7.94
10	38.96	1.46	942.	7.27	4.04	9.78	0.00	2.77	3.92	7.39	0.21	0.00	5.69	0.71	7.89
11	34.92	1.64	1105.	7.14	4.57	10.95	0.00	3.73	3.90	8.92	0.16	0.00	4.98	4.14	7.59
12	26.76	1.71	1123.	7.17	4.09	9.64	0.00	4.31	4.47	8.57	0.07	0.00	4.04	4.99	8.39
1981	439.71	1.52	1000.	7.39	4.52	10.52	0.00	3.19	3.52	8.29	0.20	0.00	4.63	3.06	7.50

THE WATER QUALITY DATA DURING 1982 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	36.16	2.37	1490.	7.52	3.99	10.41	0.00	6.40	7.04	10.35	0.06	0.00	5.39	4.22	14.23
2	16.26	2.29	1430.	7.13	3.96	10.24	0.00	6.72	6.01	9.99	0.09	0.00	5.31	3.60	13.89
3	27.69	1.39	901.	7.26	3.64	8.45	0.00	4.13	2.75	6.75	0.12	0.00	4.37	2.14	7.23
4	29.16	1.53	987.	7.13	4.28	9.97	0.00	4.25	2.72	7.98	0.14	0.00	4.59	2.33	8.21
5	31.37	1.21	783.	7.11	3.36	7.46	0.00	3.75	2.16	5.78	0.16	0.00	3.85	1.91	6.09
6	34.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	41.63	1.22	799.	7.46	3.19	7.06	0.00	4.36	1.87	5.62	0.19	0.00	3.66	2.57	5.81
8	34.08	1.73	1097.	7.29	5.18	10.74	0.00	4.06	3.14	9.83	0.18	0.00	2.62	3.39	9.20
9	37.03	1.76	1247.	7.24	6.18	14.37	0.00	4.30	2.60	11.49	0.11	0.00	4.75	6.70	7.05
10	39.21	1.60	1088.	7.24	5.05	11.56	0.00	3.52	3.42	9.41	0.10	0.00	4.23	5.16	7.07
11	30.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	26.46	1.58	1048.	7.24	4.78	11.14	0.00	4.08	2.80	8.87	0.13	0.00	4.62	3.42	7.83
1982	384.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 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	30.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	16.08	2.93	1938.	7.50	5.46	14.28	0.00	7.96	7.42	15.13	0.24	0.00	5.26	8.57	16.92
3	26.81	1.65	1122.	7.61	5.25	11.67	0.00	4.58	2.42	9.83	0.14	0.00	3.65	5.92	7.40
4	32.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	30.46	1.17	782.	7.16	4.32	9.11	0.00	2.49	2.34	6.71	0.14	0.00	3.67	2.93	5.08
6	33.88	1.24	820.	7.48	5.12	10.86	0.00	2.42	2.04	7.64	0.13	0.00	4.10	2.21	5.91
7	36.31	1.45	975.	8.02	6.00	13.50	0.35	2.96	1.93	9.38	0.14	0.02	5.23	2.18	6.99
8	36.31	1.63	1139.	8.25	6.23	14.37	0.00	2.63	3.42	10.84	0.14	0.42	4.64	5.63	6.33
9	35.61	1.63	1087.	7.98	6.54	15.03	0.00	2.52	2.95	10.83	0.10	0.31	5.09	3.05	7.94
10	31.31	1.70	1145.	7.95	3.69	8.98	0.00	4.12	5.41	8.06	0.08	0.07	4.42	5.54	7.63
11	29.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	29.46	1.17	710.	8.20	2.27	4.87	0.00	3.73	3.19	4.22	0.11	0.09	2.74	2.14	6.28
1983	368.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : MG05 PS NO 5 YEAR : 1980 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 1980 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	9.02	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	8.70	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	11.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	13.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	9.71	1.17	787.	7.51	4.17	9.27	0.00	2.32	2.55	6.51	0.22	0.00	4.63	1.66	5.36
6	13.00	1.10	703.	7.38	3.72	7.78	0.00	2.28	2.45	5.71	0.20	0.00	3.52	1.73	5.39
7	22.69	1.26	828.	7.74	5.00	10.86	0.00	2.41	2.19	7.58	0.16	0.00	4.47	1.70	6.15
8	19.73	1.47	985.	7.49	4.36	10.48	0.00	3.53	3.07	7.92	0.19	0.00	5.59	1.85	7.26
9	19.90	1.63	1036.	7.59	5.67	12.96	0.00	2.77	3.16	9.76	0.21	0.00	4.82	1.82	9.27
10	13.79	2.34	1495.	7.49	7.02	17.87	0.00	3.70	4.79	14.46	0.17	0.00	7.02	2.02	14.09
11	11.81	1.45	914.	7.43	3.90	9.13	0.00	3.31	3.43	7.15	0.19	0.00	4.71	1.16	8.22
12	12.94	1.42	970.	7.45	7.24	15.07	0.50	2.28	1.69	10.19	0.19	0.00	4.44	3.92	6.32
1980	165.66	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	9.30	1.84	1273.	7.36	6.75	16.26	0.00	3.34	3.12	12.13	0.35	0.00	6.19	3.67	9.08
2	5.57	2.91	1864.	7.43	10.62	25.74	0.00	4.01	3.71	20.86	0.43	0.00	6.09	4.82	18.05
3	12.20	1.45	908.	7.60	4.47	10.09	0.00	2.99	3.08	7.78	0.16	0.00	4.28	1.45	8.30
4	11.63	1.56	1048.	7.52	6.27	14.52	0.66	3.18	2.01	10.10	0.21	0.00	5.85	1.75	7.86
5	13.98	1.31	897.	7.44	5.48	11.99	0.08	2.60	2.02	8.32	0.20	0.00	4.70	2.73	5.77
6	13.34	1.55	1032.	7.25	5.28	12.43	0.00	2.92	3.14	9.19	0.22	0.00	5.46	2.15	7.89
7	22.42	1.50	1001.	7.82	5.81	13.04	0.00	2.42	2.93	9.49	0.18	0.00	4.80	2.94	7.29
8	20.13	1.53	1004.	7.55	4.47	10.53	0.00	2.79	4.01	8.25	0.20	0.00	4.90	2.70	7.72
9	18.02	1.33	866.	7.45	3.71	8.75	0.00	3.05	3.25	6.59	0.18	0.00	5.06	1.03	7.01
10	13.47	1.48	945.	7.85	4.83	11.28	0.00	2.28	3.60	8.28	0.22	0.00	5.30	0.85	8.26
11	10.60	1.84	1217.	7.31	6.12	14.49	0.00	2.68	4.26	11.40	0.23	0.00	5.22	3.95	9.40
12	9.26	2.10	1373.	7.38	6.15	14.60	0.00	4.65	3.85	12.67	0.08	0.00	4.58	5.47	11.20
1981	199.94	1.60	1053.	7.49	5.44	12.67	0.00	2.94	3.22	9.55	0.21	0.00	5.11	2.55	8.28

THE WATER QUALITY DATA DURING 1982 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	10.38	2.22	1383.	7.61	5.39	13.59	0.00	4.13	5.72	11.97	0.07	0.00	5.64	2.68	13.56
2	6.06	2.06	1267.	7.08	3.96	9.87	0.00	4.34	6.67	9.28	0.07	0.00	4.72	3.20	12.49
3	9.71	1.78	1104.	7.23	4.75	10.90	0.00	4.29	3.54	9.39	0.16	0.00	3.90	2.92	10.56
4	11.01	1.76	1142.	7.31	5.42	12.93	0.00	3.46	3.62	10.19	0.19	0.00	5.28	2.70	9.48
5	11.06	1.43	963.	7.26	5.26	11.82	0.00	3.24	2.24	8.70	0.16	0.00	4.63	3.02	6.69
6	15.31	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	19.49	1.55	1071.	8.00	6.06	13.94	0.00	3.03	2.48	10.06	0.19	0.00	5.34	3.67	6.75
8	19.35	1.76	1096.	7.70	5.47	11.36	0.00	3.35	3.63	10.21	0.14	0.00	2.72	4.84	9.78
9	15.22	1.94	1346.	7.55	6.77	16.19	0.00	3.82	3.35	12.81	0.17	0.00	5.48	5.88	8.78
10	14.11	1.88	1292.	7.46	6.91	15.93	0.00	3.24	3.39	12.58	0.21	0.00	4.78	6.18	8.47
11	15.20	1.43	964.	7.72	6.01	12.95	0.00	2.77	2.15	9.42	0.06	0.00	4.20	3.67	6.52
12	11.73	1.38	912.	7.41	4.91	10.99	0.00	3.49	1.98	8.11	0.08	0.00	4.52	2.31	6.83
1982	156.57	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 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	13.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	4.46	3.88	2482.	7.86	10.54	27.25	0.00	6.25	6.36	26.47	0.37	0.00	6.22	7.88	25.35
3	9.83	2.33	1505.	7.71	8.74	19.41	0.00	3.95	2.96	16.24	0.24	0.00	4.00	6.14	13.25
4	15.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	12.99	1.77	1184.	6.97	9.36	19.40	0.26	2.52	1.60	13.44	0.17	0.00	4.38	4.78	8.53
6	14.85	1.78	1138.	7.36	7.96	17.48	0.12	3.14	1.67	12.35	0.16	0.00	4.92	2.08	10.30
7	19.87	1.80	1167.	8.30	6.50	14.89	0.00	3.16	3.08	11.47	0.13	0.02	4.78	3.43	9.60
8	18.11	3.35	2257.	8.15	8.79	23.05	0.00	5.14	7.81	22.35	0.22	0.69	5.77	10.77	18.26
9	18.02	1.78	1179.	8.58	6.70	15.76	0.00	2.81	3.28	11.69	0.13	0.37	5.28	3.32	8.93
10	14.78	1.88	1272.	8.22	7.79	17.57	0.00	3.21	2.56	13.23	0.19	0.00	4.87	5.15	9.05
11	10.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	10.62	1.97	1317.	8.22	6.22	15.20	0.00	4.16	3.53	12.19	0.12	0.11	5.69	4.21	9.98
1983	163.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : MQ06 GHARBIA BRIDGE NO 6 YEAR : 1980 CODE : 23
MEASUREMENT POINT CODE: 23 ; OPEN DRAIN ; BASIC DATA: WATERLEVEL AND FLOAT MEASUREMENTS

DISCHARGE RELATION: Q=0.85*AS*VF
Q - DISCHARGE IN M**3 PER SECOND
0.85 - FACTOR
AS - WETTED CROSS SECTION IN M**2
VF - FLOAT VELOCITY IN M PER SECOND

THE WATER QUALITY DATA DURING 1980 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	79.71	1.39	979.	7.29	5.51	11.95	0.00	2.64	2.62	8.94	0.22	0.00	4.03	5.31	5.07
6	73.27	1.17	789.	7.49	4.86	9.96	0.00	2.10	2.17	7.09	0.32	0.00	3.61	3.16	4.91
7	75.41	1.31	884.	7.46	4.08	9.51	0.00	3.17	2.69	6.98	0.23	0.00	5.14	1.90	6.03
8	101.99	1.33	883.	7.31	3.36	8.06	0.00	3.67	3.19	6.22	0.15	0.00	5.17	1.66	6.41
9	93.51	1.41	923.	7.44	3.99	9.44	0.00	3.63	2.87	7.19	0.20	0.00	5.14	1.95	7.18
10	62.05	1.41	946.	7.61	3.69	9.07	0.00	3.50	3.53	6.92	0.15	0.00	5.90	1.34	6.85
11	59.19	2.00	1297.	7.55	5.41	13.69	0.00	5.19	3.29	11.14	0.20	0.00	6.44	1.77	11.61
12	194.32	2.05	1477.	7.31	6.42	16.25	0.00	9.01	3.29	13.07	0.37	0.00	6.79	6.22	8.72
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	77.00	1.56	1003.	7.60	5.34	12.14	0.00	2.57	3.29	9.14	0.30	0.00	4.68	2.22	8.39
2	64.18	1.53	962.	7.15	5.57	12.46	0.00	2.94	2.42	9.12	0.26	0.00	4.66	1.20	8.81
3	141.40	1.30	854.	7.75	4.75	10.28	0.00	3.62	1.47	7.58	0.14	0.00	4.01	2.28	6.50
4	81.31	1.35	886.	7.48	3.76	8.63	0.00	3.37	3.06	6.75	0.26	0.00	4.32	2.52	6.54
5	92.15	1.33	917.	7.64	4.33	9.75	0.00	3.63	2.27	7.44	0.23	0.00	4.30	3.82	5.41
6	74.79	1.37	969.	7.64	4.60	10.41	0.00	3.16	2.64	7.83	0.34	0.00	4.48	4.43	5.26
7	104.50	1.42	996.	7.89	5.05	11.56	0.00	3.33	2.37	8.52	0.36	0.00	4.92	3.88	5.76
8	85.59	1.34	887.	7.59	4.11	9.51	0.00	3.25	2.70	7.10	0.23	0.00	4.84	1.88	6.55
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	61.48	1.52	1006.	7.76	4.20	9.73	0.00	3.06	4.15	7.97	0.18	0.00	4.27	4.02	7.07
12	63.57	1.49	1069.	7.92	4.30	9.99	0.00	2.68	4.84	8.34	0.11	0.00	4.20	6.96	4.81
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : MQ06 GHARBIA BRIDGE NO 6 YEAR : 1982 CODE : 24
THE WATER QUALITY DATA DURING 1982 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	-	2.01	1317.	7.63	4.44	11.18	0.00	4.95	5.79	10.10	0.07	0.00	5.27	4.66	10.58
2	-	1.38	833.	7.29	2.85	6.44	0.00	3.91	3.67	5.54	0.10	0.00	3.49	1.71	8.02
3	-	1.36	842.	7.56	3.32	7.54	0.00	3.98	2.87	6.13	0.13	0.00	3.91	1.32	7.89
4	-	1.48	982.	7.53	4.53	10.45	0.00	3.39	3.11	8.17	0.17	0.00	4.56	3.12	7.16
5	-	1.21	827.	7.46	3.53	7.89	0.00	3.54	2.48	6.12	0.15	0.00	3.98	3.31	5.00
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	1.40	985.	7.78	5.41	12.33	0.00	3.38	1.90	8.79	0.27	0.00	5.17	3.37	5.80
8	-	1.64	1081.	7.27	3.86	8.60	0.00	4.10	2.35	7.94	0.23	0.00	3.12	5.64	7.86
9	-	1.69	1202.	7.41	5.66	13.28	0.00	4.00	3.04	10.61	0.14	0.00	4.88	6.46	6.45
10	-	1.49	1024.	7.23	4.66	10.60	0.00	2.61	4.05	8.50	0.25	0.00	4.18	5.14	6.08
11	-	1.22	816.	7.50	4.21	9.14	0.00	3.21	2.05	6.83	0.08	0.00	3.89	2.91	5.37
12	-	1.16	761.	7.32	4.08	8.84	0.00	3.25	1.64	6.37	0.08	0.00	4.09	1.58	5.68
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 ARE BASED ON 9 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	2.14	1370.	7.38	5.03	12.28	0.00	5.74	4.24	11.23	0.23	0.00	4.62	4.65	12.17
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	1.28	958.	7.11	5.23	11.32	0.07	2.70	1.76	7.81	0.36	0.00	4.53	2.00	6.11
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	1.47	1036.	7.63	6.37	14.20	0.07	3.06	1.86	10.00	0.18	0.02	4.97	4.19	5.92
8	-	1.62	1165.	7.91	6.07	14.47	0.00	3.14	3.13	10.75	0.14	0.42	5.44	5.40	5.88
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	1.47	1006.	7.84	3.69	8.72	0.00	3.50	4.32	7.30	0.09	0.00	4.37	4.91	5.93
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	1.40	896.	8.19	5.11	11.32	0.00	2.86	2.39	8.27	0.11	0.04	4.42	1.67	7.48
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION . M007 PS NO 6 YEAR : 1980 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 1980 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	8.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	5.21	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	10.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	9.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	12.16	2.50	1504.	7.47	7.25	16.61	0.00	3.67	5.01	15.10	0.47	0.00	3.84	3.76	16.65
6	14.00	3.07	1861.	7.51	8.22	19.94	0.00	4.66	6.10	19.07	0.30	0.00	4.56	4.77	20.81
7	18.41	2.78	1748.	7.51	7.65	18.91	0.00	4.55	5.67	17.29	0.26	0.00	5.21	5.19	17.38
8	18.50	2.68	1698.	7.56	7.18	17.86	0.00	4.79	5.53	16.31	0.22	0.00	5.30	5.07	16.48
9	18.11	2.89	1815.	7.51	8.12	19.93	0.00	5.11	5.15	18.41	0.18	0.00	5.01	5.58	18.26
10	13.74	1.71	1084.	7.45	3.57	8.98	0.00	3.36	3.60	7.55	0.21	0.00	5.64	1.12	9.95
11	10.82	2.71	1583.	7.47	5.13	13.06	0.00	5.82	7.01	12.98	0.25	0.00	5.00	1.77	19.29
12	9.94	2.90	1846.	7.46	7.38	17.84	0.00	5.91	5.56	17.68	0.26	0.00	4.22	7.42	17.77
1980	149.88	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	8.36	3.42	2242.	7.60	11.12	26.55	0.00	4.84	5.17	24.88	0.36	0.00	4.66	10.22	20.37
2	4.54	5.56	3365.	7.16	15.98	41.50	0.00	6.44	6.51	40.67	1.09	0.00	6.87	5.29	42.55
3	10.64	3.22	2167.	7.64	8.73	20.56	0.00	5.46	6.79	21.59	0.25	0.00	3.64	13.36	17.10
4	7.71	4.86	3186.	7.48	11.53	29.05	0.00	6.95	10.37	33.92	0.22	0.00	4.44	15.71	31.27
5	10.11	3.85	2527.	7.53	10.53	25.24	0.00	5.36	7.65	26.87	0.51	0.00	3.95	13.00	23.26
6	9.85	6.10	4028.	7.19	13.80	37.57	0.00	7.60	12.90	44.17	0.34	0.00	6.65	17.47	40.84
7	11.19	4.52	2954.	7.67	9.37	25.03	0.00	8.26	10.37	28.59	0.31	0.00	5.80	12.79	28.94
8	13.09	3.22	1966.	7.81	7.53	18.97	0.00	4.82	7.89	18.99	0.25	0.00	4.98	5.42	21.54
9	16.03	2.68	1600.	7.20	6.82	16.66	0.00	4.21	6.07	15.46	0.22	0.00	4.76	2.91	18.29
10	13.97	2.91	1605.	7.13	6.96	16.60	0.00	2.94	7.78	16.11	0.29	0.00	4.07	0.47	22.57
11	12.77	3.78	2130.	7.34	8.76	20.80	0.00	5.32	7.87	22.48	0.26	0.00	3.63	2.78	29.52
12	10.35	3.48	2069.	7.73	7.74	18.57	0.00	6.24	7.55	20.32	0.11	0.00	3.64	5.95	24.64
1981	128.62	3.78	2351.	7.39	9.35	23.28	0.00	5.50	8.03	24.33	0.31	0.00	4.63	8.09	25.43

THE WATER QUALITY DATA DURING 1982 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	8.13	5.45	3096.	7.46	10.49	26.68	0.00	10.21	9.40	32.86	0.11	0.00	4.26	3.64	44.68
2	4.43	5.21	2884.	7.12	9.40	23.45	0.00	9.77	10.08	29.62	0.12	0.00	3.73	2.17	43.69
3	8.44	3.42	1967.	7.18	7.28	18.04	0.00	6.64	6.94	18.97	0.22	0.00	4.33	2.74	25.69
4	10.47	3.35	2004.	7.01	8.02	19.68	0.00	6.52	5.89	19.97	0.38	0.00	4.42	4.51	23.80
5	9.32	1.99	1182.	7.15	4.08	12.91	0.00	4.65	2.51	11.50	0.27	0.00	2.98	2.96	12.99
6	13.85	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	23.96	2.35	1515.	7.99	7.17	17.10	0.00	4.68	3.88	14.83	0.21	0.00	4.77	5.33	13.50
8	20.22	3.00	1846.	7.68	8.50	18.93	0.00	7.06	3.21	19.25	0.20	0.00	3.09	6.64	20.00
9	18.70	3.36	2207.	7.64	11.30	27.10	0.00	4.62	5.07	24.86	0.14	0.00	4.91	9.74	20.03
10	16.28	3.32	2034.	7.38	9.09	21.64	0.00	5.11	6.14	21.55	0.19	0.00	4.10	6.45	22.43
11	12.51	3.66	2163.	7.64	9.82	22.77	0.00	6.41	8.33	23.78	0.10	0.00	3.53	5.33	26.76
12	14.27	2.67	1541.	7.84	7.80	17.30	0.00	5.48	3.32	16.35	0.10	0.00	3.30	2.60	19.35
1982	160.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 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	10.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	2.68	8.70	5107.	7.31	13.59	35.98	0.00	14.85	17.40	54.56	0.46	0.00	4.30	9.90	73.06
3	8.71	5.65	3445.	7.47	13.17	30.66	0.00	10.65	6.90	39.01	0.38	0.00	2.97	11.36	42.61
4	13.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	11.69	3.00	1938.	6.97	10.52	23.79	0.00	4.61	3.83	21.62	0.38	0.00	3.89	8.72	17.84
6	12.87	3.43	2240.	7.29	9.72	23.40	0.00	5.61	6.09	23.52	0.30	0.00	4.28	10.61	20.64
7	20.64	2.70	1743.	8.11	8.21	19.28	0.00	4.04	5.45	17.89	0.14	0.02	4.18	7.73	15.59
8	19.09	4.03	2618.	8.35	9.91	25.79	0.00	4.94	9.96	27.06	0.18	0.40	5.32	11.42	24.98
9	16.07	3.11	2124.	8.29	9.90	24.51	0.00	4.46	5.75	22.36	0.22	0.13	5.39	11.40	19.87
10	14.84	3.07	2015.	8.62	7.75	18.83	0.00	6.22	6.19	19.29	0.27	0.00	4.17	10.01	17.69
11	11.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	13.78	2.07	1304.	8.26	5.25	12.37	0.00	5.48	3.70	11.25	0.13	0.02	4.04	4.34	12.14
1983	156.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : MQ08 HAMUL PS YEAR : 1980 CODE : 13
THE WATER QUALITY DATA DURING 1980 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	1.84	1137.	7.46	5.67	12.90	0.00	3.29	3.70	10.59	0.29	0.00	4.17	2.52	11.18
6	-	0.92	594.	7.78	2.61	5.56	0.00	2.33	2.38	4.00	0.18	0.00	3.67	0.85	4.37
7	-	1.40	934.	7.76	3.45	8.36	0.00	3.64	3.63	6.58	0.20	0.00	5.26	2.03	6.76
8	-	1.73	1156.	7.89	5.24	12.53	0.00	4.08	3.20	10.00	0.18	0.00	5.19	3.72	8.55
9	-	1.44	956.	7.53	4.15	9.76	0.00	3.25	3.42	7.58	0.17	0.00	4.90	2.62	6.89
10	-	1.54	1105.	7.22	2.30	6.23	0.00	4.26	6.60	5.36	0.18	0.00	7.44	3.08	5.85
11	-	1.96	1216.	7.37	3.47	9.00	0.00	4.87	6.11	8.13	0.17	0.00	5.86	1.42	12.00
12	-	3.48	2325.	7.03	4.23	12.76	0.00	10.77	11.29	14.04	0.34	0.00	11.02	5.01	20.41
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	-	1.31	825.	7.83	3.50	8.01	0.00	3.29	2.99	6.21	0.18	0.00	4.30	1.13	7.24
2	-	2.78	1864.	7.31	7.49	20.75	0.13	6.20	4.30	17.16	0.35	0.00	10.63	1.23	16.15
3	-	1.45	913.	7.81	4.22	9.86	0.00	3.74	2.60	7.51	0.13	0.00	4.91	0.60	8.48
4	-	1.34	859.	7.40	3.76	8.54	0.00	2.59	3.71	6.67	0.21	0.00	4.20	2.09	6.89
5	-	1.61	1041.	7.36	5.49	12.38	0.00	3.25	2.82	9.56	0.26	0.00	4.40	2.84	8.65
6	-	1.40	865.	7.51	3.05	7.12	0.00	3.27	4.21	5.89	0.21	0.00	4.17	1.39	8.01
7	-	1.64	1087.	7.83	4.59	10.93	0.00	3.05	2.33	8.82	0.21	0.00	4.91	3.08	8.44
8	-	1.61	1089.	7.93	4.80	11.35	0.00	3.65	3.46	9.05	0.22	0.00	4.87	4.16	7.35
9	-	1.65	1079.	7.71	4.38	10.62	0.00	3.38	4.34	8.60	0.20	0.00	5.24	2.70	8.58
10	-	1.65	1098.	7.27	4.98	11.36	0.00	2.82	4.35	9.44	0.23	0.00	4.04	5.04	7.76
11	-	1.64	1073.	7.37	5.34	11.81	0.00	3.35	3.25	9.70	0.15	0.00	3.72	4.73	8.01
12	-	2.07	1332.	7.43	6.43	14.88	0.00	4.06	3.82	12.77	0.07	0.00	4.23	5.16	11.34
1981	-	1.57	1017.	7.56	4.47	10.45	0.00	3.61	3.39	8.36	0.20	0.00	4.62	2.73	8.21

THE WATER QUALITY DATA DURING 1982 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	-	2.02	1290.	7.74	4.95	12.22	0.00	5.51	3.82	10.70	0.06	0.00	5.11	3.40	11.57
2	-	2.37	1471.	7.25	5.17	12.44	0.00	6.64	4.50	12.20	0.17	0.00	4.00	4.85	14.66
3	-	1.48	912.	7.85	4.11	9.42	0.00	2.58	4.09	7.51	0.13	0.00	4.24	1.42	8.64
4	-	1.40	904.	7.81	4.62	10.21	0.00	3.58	2.16	7.83	0.16	0.00	4.03	2.39	7.31
5	-	1.51	968.	7.41	4.64	10.29	0.00	3.72	2.64	8.28	0.21	0.00	3.80	3.18	7.86
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	1.49	1000.	7.77	4.65	10.73	0.00	4.34	2.08	8.32	0.19	0.00	4.65	3.25	7.03
8	-	1.89	1149.	7.31	5.19	10.69	0.00	4.82	3.09	10.32	0.17	0.00	2.40	4.64	11.34
9	-	2.06	1416.	7.32	7.52	17.46	0.00	3.45	3.65	14.17	0.13	0.00	4.79	7.23	9.38
10	-	2.97	2140.	7.36	8.67	22.95	0.00	5.66	5.67	20.62	0.29	0.00	7.55	10.88	13.81
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	2.00	1225.	7.47	8.69	17.96	0.00	3.38	1.77	13.94	0.12	0.00	3.57	3.14	12.50
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	2.53	1607.	7.25	5.88	14.55	0.00	6.92	4.29	13.94	0.22	0.00	4.68	5.44	13.25
3	-	1.47	980.	7.52	5.27	10.96	0.00	3.51	2.24	8.94	0.18	0.00	3.09	5.12	6.69
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	1.85	1263.	7.25	7.28	16.39	0.00	3.20	2.64	12.43	0.66	0.00	4.71	5.36	8.77
6	-	1.89	1294.	7.57	7.29	16.84	0.00	3.43	2.76	12.83	0.35	0.00	5.14	5.38	8.81
7	-	1.75	1220.	7.95	6.89	15.78	0.00	2.99	3.05	11.97	0.16	0.02	4.95	5.68	7.52
8	-	2.21	1522.	8.13	6.45	16.18	0.00	5.62	3.57	13.83	0.14	0.43	5.50	6.78	10.42
9	-	1.35	909.	8.27	5.99	12.73	0.00	2.18	2.37	9.04	0.09	0.41	3.76	3.85	9.64
10	-	1.08	700.	8.04	2.62	5.97	0.00	2.71	3.28	4.53	0.17	0.11	4.12	1.34	4.96
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	1.47	967.	8.13	3.39	8.21	0.00	4.09	3.81	6.73	0.13	0.03	4.89	2.60	7.18
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : M909 PS NO 4 YEAR : 1980 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 1980 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	21.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	12.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	25.54	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	25.16	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	23.81	1.73	1081.	7.52	4.29	9.79	0.00	3.73	3.91	8.37	0.87	0.00	3.83	2.89	10.16
6	32.22	1.51	992.	7.63	4.87	11.05	0.00	2.48	3.67	8.54	0.37	0.00	4.39	3.29	7.39
7	38.05	1.52	974.	7.66	4.40	10.33	0.00	3.04	3.66	8.05	0.19	0.00	4.88	1.80	8.26
8	46.00	1.37	884.	7.44	4.37	10.02	0.00	3.94	1.83	7.42	0.12	0.00	4.82	1.10	7.37
9	32.88	1.55	987.	7.58	3.95	9.54	0.00	3.38	3.87	7.52	0.36	0.00	5.29	1.11	8.73
10	32.10	1.14	749.	7.48	2.31	5.49	0.00	3.66	3.22	4.28	0.13	0.00	4.74	0.97	5.58
11	21.62	1.53	959.	7.45	2.64	6.44	0.00	4.60	4.56	5.65	0.22	0.00	4.52	1.97	8.54
12	25.70	1.89	1279.	7.49	6.27	14.39	0.00	4.05	3.25	11.97	0.18	0.00	4.28	6.19	8.98
1980	337.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	22.02	2.30	1557.	7.70	6.00	14.55	0.00	5.10	5.06	13.51	0.36	0.00	4.53	8.10	11.40
2	9.67	4.44	2722.	7.13	7.18	20.14	0.00	10.71	9.86	23.03	0.93	0.00	7.18	4.90	32.40
3	20.93	2.00	1236.	7.60	5.56	12.57	0.00	4.73	3.22	11.09	0.46	0.00	3.66	3.53	12.31
4	22.59	1.70	1129.	7.48	5.07	11.47	0.00	3.66	3.71	9.72	0.20	0.00	3.83	5.35	8.15
5	22.19	1.98	1214.	7.42	5.39	12.91	0.00	4.17	3.97	10.88	0.21	0.00	4.07	3.03	12.13
6	20.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	42.83	1.43	933.	7.87	5.39	11.85	0.00	3.50	1.67	8.67	0.19	0.00	4.35	2.23	7.46
8	36.33	1.59	1030.	7.29	4.51	10.58	0.00	4.03	3.01	8.47	0.21	0.00	4.66	2.72	8.34
9	37.86	1.47	923.	7.44	4.23	9.82	0.00	3.55	2.84	7.87	0.19	0.00	4.68	1.10	8.41
10	33.50	1.45	878.	7.49	4.15	9.34	0.00	2.46	3.80	7.38	0.19	0.00	4.07	0.94	8.85
11	20.88	1.92	1166.	7.14	5.14	12.05	0.00	2.13	5.95	10.34	0.24	0.00	4.30	2.52	11.87
12	21.82	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1981	310.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1982 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	22.41	3.26	1781.	7.37	5.12	12.81	0.00	5.72	10.37	14.52	0.12	0.00	3.92	1.02	25.80
2	10.23	2.91	1630.	7.27	4.44	11.09	0.00	5.87	9.49	12.30	0.11	0.00	3.94	1.98	21.84
3	15.91	2.27	1394.	7.36	6.11	14.60	0.00	4.46	4.56	12.99	0.20	0.00	4.50	3.28	14.42
4	21.55	1.94	1196.	7.32	6.05	13.44	0.00	3.44	3.78	11.51	0.19	0.00	3.64	3.63	11.66
5	18.95	1.64	1037.	7.54	4.62	10.27	0.00	3.45	3.77	8.77	0.18	0.00	3.52	3.86	8.85
6	33.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	53.04	1.41	954.	8.03	5.67	12.33	0.00	2.74	2.32	9.01	0.15	0.00	4.25	3.62	6.35
8	42.73	1.66	1057.	7.36	5.90	12.68	0.00	4.06	1.90	10.19	0.15	0.00	3.57	3.54	9.18
9	36.70	1.75	1207.	7.31	7.10	15.99	0.00	3.51	2.29	12.10	0.11	0.00	4.71	5.41	7.88
10	39.06	1.64	1064.	7.66	5.32	12.06	0.00	2.95	3.66	9.67	0.10	0.00	4.21	3.68	8.49
11	21.12	1.61	1026.	7.68	5.69	12.52	0.00	3.76	2.14	9.78	0.06	0.00	3.98	3.00	8.76
12	29.58	1.54	920.	7.91	5.07	10.42	0.00	3.95	1.87	8.65	0.09	0.00	2.91	2.11	9.53
1982	340.77	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 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	25.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	10.49	3.39	1991.	7.45	7.03	16.90	0.00	7.17	6.94	18.67	0.25	0.00	3.59	4.87	24.58
3	19.16	1.78	1133.	7.47	6.25	13.14	0.00	3.59	2.79	11.15	0.12	0.00	3.11	4.86	9.67
4	27.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	23.40	1.54	1014.	6.78	6.29	12.89	0.00	2.22	2.98	10.14	0.13	0.00	3.22	5.15	7.11
6	29.96	1.40	923.	7.11	5.32	11.62	0.00	2.32	2.81	8.51	0.24	0.00	4.27	2.88	6.73
7	43.03	1.51	1026.	7.92	5.74	13.03	0.00	2.41	3.16	9.57	0.16	0.01	4.94	3.65	6.69
8	37.57	1.79	1199.	8.13	6.81	15.88	0.00	3.24	2.85	11.89	0.16	0.42	4.97	4.19	8.55
9	35.84	1.74	1209.	8.18	5.67	13.22	0.00	3.80	3.50	10.83	0.13	0.30	4.28	4.57	7.10
10	25.88	1.78	1156.	8.14	4.49	10.85	0.00	3.75	4.87	9.33	0.09	0.25	4.46	4.20	9.12
11	20.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	24.98	1.72	1085.	8.17	5.06	11.94	0.00	3.36	3.83	9.59	0.08	0.07	4.78	2.30	9.70
1983	319.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : MOIO PS NO 3 YEAR : 1980 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 1980 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	21.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	15.74	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	28.69	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	29.76	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	21.42	2.17	1372.	7.37	6.95	15.91	0.00	3.58	4.04	13.57	0.33	0.00	4.17	4.59	12.76
6	35.57	2.54	1608.	7.67	8.23	19.15	0.00	2.98	5.37	16.81	0.29	0.00	4.37	5.97	15.08
7	43.20	2.48	1572.	7.64	7.56	18.10	0.00	4.36	4.35	15.77	0.23	0.00	4.87	4.81	15.03
8	44.26	2.18	1369.	7.45	6.59	15.85	0.00	3.66	4.36	13.21	0.20	0.00	5.14	3.25	13.04
9	45.80	2.60	1651.	7.52	7.84	19.09	0.00	3.40	5.69	16.71	0.24	0.00	5.21	5.19	15.63
10	33.92	1.80	1216.	7.59	3.78	9.64	0.00	4.59	5.37	8.43	0.16	0.00	5.72	4.35	8.47
11	19.96	2.13	1319.	7.33	5.82	14.16	0.00	4.29	4.17	11.97	0.29	0.00	5.20	2.30	13.23
12	29.71	3.40	2253.	7.38	11.41	27.27	0.00	4.50	5.15	25.06	0.42	0.00	4.84	11.10	19.19
1980	369.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	23.08	3.19	2133.	7.64	10.09	24.10	0.00	5.15	4.93	22.65	0.50	0.00	4.58	10.94	17.69
2	11.85	5.22	3184.	7.34	10.74	27.89	0.00	8.72	10.05	32.89	0.83	0.00	4.98	8.90	38.60
3	22.70	2.59	1505.	7.62	7.53	17.00	0.00	5.08	3.60	15.69	0.20	0.00	3.59	2.46	18.46
4	20.30	2.36	1459.	7.48	6.11	14.40	0.00	3.99	5.72	13.47	0.20	0.00	3.99	4.83	14.57
5	21.16	2.10	1301.	7.53	6.48	14.79	0.00	3.59	4.03	12.66	0.27	0.00	4.09	3.79	12.69
6	25.98	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	36.93	2.25	1514.	8.01	7.09	16.68	0.00	4.36	4.04	14.53	0.28	0.00	4.49	7.36	11.43
8	36.78	2.29	1435.	7.30	7.06	16.56	0.00	4.11	4.01	14.22	0.22	0.00	4.54	4.17	13.88
9	40.93	2.05	1267.	7.40	5.83	13.74	0.00	3.29	4.84	11.76	0.18	0.00	4.47	3.05	12.57
10	30.49	1.71	1008.	7.63	4.86	10.93	0.00	2.56	4.35	9.03	0.19	0.00	3.88	1.19	11.14
11	20.63	1.99	1206.	7.26	5.77	13.21	0.00	2.43	5.29	11.33	0.29	0.00	4.00	2.82	12.90
12	24.56	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1981	315.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1982 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	15.62	5.74	3194.	7.70	7.58	20.29	0.00	8.25	19.36	28.15	0.12	0.00	4.54	3.76	47.54
2	15.95	3.10	1729.	7.41	5.90	13.74	0.00	4.59	9.33	15.58	0.07	0.00	2.99	3.12	23.45
3	17.99	2.83	1568.	7.32	6.51	15.02	0.00	4.15	6.85	15.26	0.23	0.00	3.36	1.40	21.74
4	17.50	2.34	1368.	7.38	6.85	15.52	0.00	3.65	6.48	13.81	0.27	0.00	3.77	2.30	16.16
5	15.23	2.83	1724.	7.64	7.64	17.87	0.00	4.16	6.12	17.32	0.31	0.00	3.84	5.40	18.69
6	27.62	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	41.43	2.27	1464.	8.03	7.95	18.39	0.00	3.32	3.96	15.17	0.29	0.00	4.65	5.16	12.94
8	34.98	2.42	1427.	7.49	6.22	13.43	0.00	6.52	2.92	13.51	0.27	0.00	2.70	3.86	16.67
9	33.19	2.31	1497.	7.61	7.57	17.55	0.00	3.93	4.10	15.17	0.16	0.00	4.34	6.04	12.97
10	29.19	2.00	1268.	7.78	6.37	14.19	0.00	2.87	4.57	12.29	0.20	0.00	3.60	5.29	11.05
11	18.80	2.39	1443.	7.59	7.66	17.22	0.00	3.39	4.90	15.21	0.11	0.00	3.77	3.81	15.62
12	22.63	2.25	1286.	7.55	6.78	14.84	0.00	3.18	4.83	13.30	0.11	0.00	3.32	1.89	15.92
1982	290.05	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 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	24.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	9.82	3.30	1928.	7.43	7.98	18.56	0.00	5.56	6.45	19.55	0.39	0.00	3.41	4.43	24.10
3	15.43	3.12	1944.	7.12	13.00	27.10	0.00	3.32	3.44	23.91	0.24	0.00	3.27	7.78	19.86
4	20.49	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	21.76	2.29	1502.	6.71	9.36	19.89	0.00	2.93	3.35	16.59	0.24	0.00	3.53	8.17	11.40
6	25.87	2.34	1530.	7.10	8.94	19.86	0.00	2.98	3.92	16.61	0.25	0.00	4.03	6.92	12.82
7	38.43	2.33	1524.	8.23	8.83	19.86	0.00	2.54	4.43	16.48	0.20	0.02	4.22	6.90	12.52
8	32.33	2.87	1932.	8.55	9.64	23.55	0.00	3.92	5.23	20.63	0.23	0.52	4.95	9.63	14.89
9	31.96	2.57	1716.	8.38	10.39	24.35	0.00	3.04	3.87	19.31	0.16	0.32	5.16	7.47	13.42
10	25.57	2.37	1931.	8.12	6.49	15.74	0.00	4.13	5.86	14.30	0.13	0.22	4.48	6.28	13.13
11	16.83	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	21.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1983	284.40	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : M011 GHARBIA BRIDGE NO 7 YEAR : 1980 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 1980 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	66.73	1.45	926.	7.40	4.17	9.41	0.00	2.97	3.54	7.53	0.20	0.00	4.01	2.54	7.79
6	79.46	1.48	933.	7.59	4.72	10.57	0.00	2.73	3.27	8.17	0.20	0.00	4.19	2.02	8.19
7	114.96	1.67	1081.	7.50	4.92	11.72	0.00	3.52	3.58	9.28	0.13	0.00	5.10	2.44	9.03
8	246.39	1.71	1100.	7.32	5.94	13.96	0.00	3.63	2.80	10.40	0.18	0.00	5.49	1.42	9.81
9	179.60	1.95	1288.	7.47	6.99	16.39	0.00	3.68	2.96	12.74	0.19	0.00	5.24	4.01	10.34
10	108.06	1.90	1198.	7.53	4.00	10.05	0.00	4.70	4.95	8.79	0.27	0.00	5.35	2.29	11.14
11	71.60	1.66	1003.	7.37	2.86	6.90	0.00	3.98	5.59	6.27	0.28	0.00	4.11	1.97	10.03
12	152.90	1.15	736.	7.55	5.58	10.09	0.00	1.79	1.79	7.47	0.11	0.00	2.56	3.31	5.29
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	80.61	1.77	1150.	7.46	6.60	14.63	0.00	3.84	2.08	11.35	0.26	0.00	4.25	3.87	9.37
2	55.25	1.77	1050.	7.11	5.02	11.38	0.00	4.12	2.90	9.41	0.28	0.00	3.98	1.04	11.61
3	56.54	1.65	1020.	7.48	4.87	10.81	0.00	4.73	2.05	8.97	0.15	0.00	3.67	2.50	9.72
4	36.35	1.77	1108.	7.49	5.45	12.22	0.00	3.11	3.86	10.17	0.20	0.00	3.85	3.43	10.08
5	43.87	1.81	1162.	7.65	6.44	14.35	0.00	3.13	3.14	11.41	0.20	0.00	4.14	3.93	9.88
6	51.58	1.77	1139.	7.68	5.65	13.05	0.00	2.28	4.66	10.51	0.20	0.00	4.52	3.63	9.52
7	87.35	1.79	1174.	7.63	6.34	14.60	0.00	2.65	3.74	11.33	0.20	0.00	4.82	3.90	9.20
8	102.34	1.76	1113.	7.66	5.49	12.72	0.00	3.76	3.09	10.16	0.20	0.00	4.59	2.36	10.31
9	129.52	1.71	1078.	7.44	4.51	10.79	0.00	3.37	4.38	8.87	0.20	0.00	4.87	2.28	9.59
10	99.69	1.70	1047.	7.56	4.63	10.68	0.00	2.58	4.85	8.93	0.20	0.00	4.13	2.53	9.88
11	74.32	1.94	1237.	7.39	4.84	11.31	0.00	3.38	5.64	10.28	0.19	0.00	3.89	5.04	10.66
12	94.50	2.16	1394.	7.34	5.65	13.09	0.00	4.18	5.20	12.24	0.31	0.00	3.71	6.48	11.74
1981	913.93	1.80	1143.	7.47	5.35	12.35	0.00	3.43	3.91	10.25	0.22	0.00	4.28	3.41	10.12

LOCATION : M011 GHARBIA BRIDGE NO 7 YEAR : 1982 CODE : 24
THE WATER QUALITY DATA DURING 1982 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	-	2.03	1291.	7.98	5.06	12.18	0.00	5.12	4.06	10.85	0.19	0.00	4.52	4.06	11.63
2	-	1.78	1050.	7.46	4.24	9.53	0.00	4.45	3.83	8.63	0.06	0.00	3.33	2.13	11.51
3	-	1.97	1208.	7.21	5.27	12.46	0.00	4.04	4.17	10.68	0.23	0.00	4.46	2.38	12.29
4	-	2.07	1289.	7.40	5.87	13.85	0.00	4.54	3.85	11.81	0.33	0.00	4.54	2.96	12.73
5	-	1.68	1067.	7.24	4.84	10.97	0.00	4.20	2.95	9.16	0.21	0.00	3.91	3.41	9.21
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	1.61	1119.	7.80	6.06	13.26	0.00	3.26	2.74	10.51	0.19	0.00	3.87	6.41	6.42
8	-	1.87	1161.	7.47	6.27	12.64	0.00	4.43	2.27	11.47	0.16	0.00	2.51	4.90	10.92
9	-	1.78	1233.	7.51	6.16	14.22	0.00	3.24	3.67	11.46	0.18	0.00	4.55	6.35	7.65
10	-	1.84	1219.	7.36	6.62	14.82	0.00	2.78	3.79	12.00	0.13	0.00	4.10	5.51	9.07
11	-	1.72	1070.	7.70	6.43	13.80	0.00	2.93	2.82	10.90	0.04	0.00	3.70	3.06	9.93
12	-	1.78	1099.	7.78	8.19	16.91	0.00	2.59	2.00	12.40	0.10	0.00	3.84	2.46	10.78
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	3.20	1905.	7.60	7.85	18.75	0.00	6.76	5.06	19.09	0.22	0.00	3.92	4.82	22.69
3	-	2.46	1544.	7.46	7.52	16.79	0.00	5.04	3.64	15.67	0.15	0.00	3.40	6.18	14.92
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	2.07	1360.	7.05	8.47	17.90	0.00	2.66	3.30	14.63	0.27	0.00	3.51	7.20	10.14
6	-	1.87	1236.	7.37	6.69	14.94	0.00	2.96	3.71	12.14	0.23	0.00	4.06	5.63	9.28
7	-	1.90	1273.	8.17	6.67	15.40	0.00	3.57	3.28	12.34	0.15	0.02	4.67	5.39	9.26
8	-	2.36	1538.	8.26	6.55	16.39	0.00	4.06	5.56	14.37	0.12	0.42	5.17	5.57	12.93
9	-	2.68	1718.	7.87	10.74	25.66	0.00	3.43	3.37	19.79	0.12	0.31	5.91	4.28	16.19
10	-	2.31	1508.	7.56	7.92	19.15	0.00	4.34	3.30	15.48	0.07	0.06	5.66	4.47	13.01
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	6.58	3934.	8.06	13.74	35.25	0.00	7.69	13.46	44.64	0.29	0.00	4.51	9.96	51.87
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : M012 HAFIR SHEHAB EDDIN PS YEAR : 1980 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 1980 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	24.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	11.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	18.97	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	18.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	26.21	6.47	3749.	7.49	14.60	36.40	0.00	5.89	12.53	44.02	0.67	0.00	4.20	6.45	52.74
6	29.04	6.23	3658.	7.55	13.71	34.57	0.00	5.12	13.74	42.10	0.68	0.00	4.37	7.84	49.43
7	36.70	6.52	3910.	7.67	15.04	38.45	0.00	5.37	13.18	45.82	0.91	0.00	4.86	9.39	51.01
8	38.67	6.08	3640.	7.23	14.85	38.12	0.00	4.92	11.98	43.18	0.50	0.00	5.26	8.25	47.07
9	38.74	5.32	3244.	7.33	12.69	32.67	0.00	6.82	9.52	36.26	0.72	0.00	5.31	8.41	39.60
10	30.92	5.73	3397.	7.44	12.08	32.67	0.00	6.87	12.15	37.24	0.34	0.00	6.50	5.63	44.47
11	24.01	4.68	2728.	7.20	7.50	20.51	0.00	8.30	12.63	24.25	0.67	0.00	6.05	3.66	36.11
12	27.38	8.79	5917.	7.06	20.00	51.96	0.00	6.78	17.35	69.45	1.62	0.00	4.87	32.98	57.36
1980	324.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	21.78	9.80	6596.	7.19	22.68	66.01	0.00	8.14	16.47	79.57	1.76	0.00	10.68	24.61	70.65
2	12.01	14.76	8942.	6.80	26.47	76.70	0.00	15.41	20.43	112.04	2.56	0.00	8.49	13.12	128.78
3	25.63	6.93	4179.	7.41	15.09	39.62	0.00	5.64	15.01	48.47	0.71	0.00	5.36	10.41	54.05
4	23.15	8.18	5297.	7.33	18.33	46.54	0.00	6.46	17.16	62.98	0.61	0.00	4.23	23.18	59.78
5	22.17	8.32	5329.	7.42	19.90	50.50	0.00	6.12	15.40	65.29	0.86	0.00	4.52	21.08	62.04
6	24.86	7.94	5210.	7.53	18.11	46.43	0.00	5.42	17.50	61.30	0.90	0.00	4.54	24.91	55.68
7	34.83	7.09	4557.	7.84	17.38	44.11	0.00	4.09	15.52	54.43	0.71	0.00	4.64	19.12	50.99
8	36.43	6.54	3851.	7.48	15.27	38.80	0.00	3.41	14.73	46.00	0.71	0.00	4.77	7.99	52.08
9	33.41	6.92	3681.	7.51	16.30	41.60	0.00	4.65	12.72	48.03	0.77	0.00	5.10	1.97	59.10
10	29.04	6.85	3759.	7.44	15.22	38.13	0.00	6.08	12.01	45.79	0.81	0.00	4.40	0.28	60.00
11	27.36	8.33	4743.	7.46	17.52	44.39	0.00	7.05	14.91	58.07	1.03	0.00	4.31	5.09	71.66
12	31.14	8.98	5149.	7.74	19.15	47.36	0.00	6.38	16.00	64.04	0.41	0.00	3.81	13.18	69.84
1981	322.04	7.93	4636.	7.42	17.96	46.69	0.00	5.96	15.29	58.53	0.88	0.00	5.14	12.94	62.58

THE WATER QUALITY DATA DURING 1982 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	25.00	11.05	6482.	7.99	21.26	55.43	0.00	9.72	19.89	81.37	0.10	0.00	4.52	10.84	95.43
2	18.04	10.00	5603.	7.23	19.29	46.37	0.00	8.37	20.03	68.92	0.10	0.00	3.79	4.48	89.14
3	20.07	8.24	4837.	7.31	16.14	41.53	0.00	6.39	18.36	56.76	0.79	0.00	4.34	9.89	68.07
4	19.07	8.77	5197.	7.14	18.21	47.10	0.00	5.87	18.18	63.13	0.85	0.00	4.65	10.92	72.46
5	22.06	7.74	4679.	7.16	16.92	42.97	0.00	5.69	16.07	55.84	0.88	0.00	4.36	12.74	61.39
6	26.65	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	37.74	5.98	3724.	7.97	14.03	36.39	0.00	4.80	13.30	42.20	0.91	0.00	5.31	12.31	43.66
8	35.30	7.46	4689.	7.42	18.26	42.18	0.00	10.66	8.77	56.91	0.84	0.00	2.88	17.54	56.76
9	33.64	7.56	4870.	7.20	21.76	55.35	0.00	5.11	11.06	61.87	0.72	0.00	5.59	19.95	53.22
10	32.13	7.51	4742.	7.20	18.29	45.82	0.00	4.92	14.94	57.64	0.77	0.00	4.32	17.84	56.09
11	26.17	7.65	4475.	6.80	18.66	45.64	0.00	5.21	13.34	56.82	0.30	0.00	3.98	8.70	62.99
12	26.25	8.26	4944.	7.06	19.42	47.22	0.00	6.50	13.87	61.98	0.76	0.00	3.67	12.25	67.18
1982	322.11	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 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	40.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	14.00	19.10	11703.	7.44	26.58	72.37	0.00	14.82	42.04	141.72	2.13	0.00	4.41	26.47	169.82
3	22.88	11.95	7202.	7.57	22.71	57.31	0.00	9.85	21.44	89.84	1.11	0.00	3.67	16.91	101.66
4	22.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	27.33	8.76	5678.	7.52	23.00	57.60	0.00	4.37	14.99	71.54	1.33	0.00	4.62	25.99	61.62
6	26.14	8.46	5442.	7.22	23.56	59.75	0.00	4.41	12.93	69.35	1.57	0.00	5.35	22.10	60.80
7	37.08	7.27	4705.	7.63	20.65	51.63	0.00	4.40	11.85	58.86	0.89	0.02	4.95	21.20	49.83
8	36.07	7.73	5165.	8.03	19.57	51.03	0.00	6.16	13.95	62.05	0.77	0.55	4.97	28.25	49.15
9	38.84	7.33	4828.	8.07	27.95	67.63	0.00	4.74	6.05	64.91	0.16	0.31	5.57	26.53	43.44
10	31.60	8.23	5396.	7.92	21.43	55.05	0.00	6.24	13.50	67.34	0.23	0.09	5.11	26.09	56.02
11	27.55	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	29.10	7.25	4960.	8.28	14.83	38.30	0.00	7.53	16.51	51.41	0.38	0.31	4.12	17.69	53.71
1983	393.90	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : M013 GHARBIA OUTFALL YEAR : 1980 CODE : 24
THE WATER QUALITY DATA DURING 1980 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	2.64	1610.	7.51	8.03	18.50	0.00	4.92	3.80	16.77	0.26	0.00	4.02	4.38	17.36
6	-	2.06	1319.	7.78	6.53	15.13	0.00	3.12	4.44	12.69	0.32	0.00	4.42	4.57	11.57
7	-	3.54	2076.	7.77	9.82	23.97	0.00	5.28	5.57	22.87	0.28	0.00	4.87	2.93	26.21
8	-	2.75	1701.	7.58	8.53	20.66	0.00	4.21	4.65	17.96	0.19	0.00	5.22	3.89	17.90
9	-	2.65	1666.	7.50	6.24	15.87	0.00	4.14	7.31	14.94	0.18	0.00	5.47	4.98	14.11
10	-	2.55	1569.	7.09	4.23	11.16	0.00	5.14	8.77	11.17	0.32	0.00	5.68	3.61	16.10
11	-	2.26	1375.	6.93	4.62	11.74	0.00	5.69	5.10	10.74	0.38	0.00	5.40	1.78	14.74
12	-	2.62	1687.	7.26	8.08	19.37	0.00	5.12	3.76	17.02	0.42	0.00	4.91	5.87	15.53
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	-	2.35	1553.	7.38	6.53	16.09	0.00	6.72	2.65	14.13	0.36	0.00	5.30	5.44	13.07
2	-	3.58	2184.	7.06	9.09	22.62	0.00	7.03	5.19	22.48	0.59	0.00	4.93	5.24	25.08
3	-	3.54	2092.	7.30	11.05	25.79	0.00	3.67	5.97	24.26	0.35	0.00	4.24	4.33	25.65
4	-	2.94	1851.	7.34	7.93	18.90	0.00	4.08	6.81	18.49	0.30	0.00	4.12	7.39	18.17
5	-	2.07	1292.	7.79	6.58	15.10	0.00	3.37	4.06	12.68	0.21	0.00	4.27	3.66	12.40
6	-	2.35	1485.	7.99	6.16	15.16	0.00	3.51	6.17	13.96	0.25	0.00	5.07	4.50	13.92
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	3.17	1902.	7.66	7.91	18.66	0.00	4.38	7.63	18.41	0.61	0.00	4.77	4.22	22.05
9	-	2.39	1487.	7.50	6.14	15.15	0.00	3.64	6.13	13.57	0.33	0.00	5.12	3.77	14.72
10	-	2.52	1525.	7.27	7.49	17.71	0.00	2.41	6.25	15.58	0.30	0.00	4.57	3.56	16.42
11	-	2.71	1599.	7.28	7.90	18.45	0.00	3.14	5.83	16.73	0.35	0.00	4.20	2.95	18.90
12	-	2.67	1692.	7.74	7.59	17.60	0.00	4.70	4.94	16.67	0.54	0.00	3.83	6.82	14.17
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1982 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	-	3.14	1859.	7.83	7.19	17.62	0.00	5.44	7.08	17.98	0.10	0.00	4.29	4.25	22.05
2	-	2.49	1436.	7.53	6.25	14.23	0.00	4.04	5.79	13.87	0.05	0.00	3.34	2.96	17.45
3	-	2.71	1594.	7.22	6.75	16.18	0.00	4.50	5.73	15.27	0.50	0.00	4.29	2.60	19.10
4	-	2.86	1733.	7.24	8.30	19.60	0.00	4.34	4.86	17.81	0.80	0.00	4.40	3.88	19.53
5	-	1.97	1242.	7.14	5.39	12.32	0.00	4.37	3.57	10.74	0.73	0.00	3.86	3.96	11.59
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	2.39	1562.	7.62	8.20	18.53	0.00	4.00	3.64	16.02	0.55	0.00	4.08	6.78	13.48
8	-	2.25	1373.	7.53	6.21	12.73	0.00	5.55	3.27	13.03	0.22	0.00	2.26	5.77	14.08
9	-	2.32	1560.	7.43	7.36	17.73	0.00	3.94	4.63	15.23	0.17	0.00	5.07	7.10	11.79
10	-	2.65	1650.	7.38	7.54	17.67	0.00	3.68	5.95	16.54	0.27	0.00	4.05	5.85	16.54
11	-	2.34	1457.	7.31	7.66	17.36	0.00	3.35	4.10	15.17	0.44	0.00	3.62	5.06	14.41
12	-	1.70	1082.	7.37	4.95	11.14	0.00	3.34	3.84	9.39	0.26	0.00	3.76	3.91	9.17
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	4.23	2527.	7.58	9.88	24.54	0.00	6.61	7.98	26.69	0.41	0.00	4.40	6.27	31.02
3	-	3.14	1957.	7.40	10.87	23.89	0.00	4.85	3.72	22.49	0.22	0.00	3.41	7.44	20.41
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	2.23	1449.	7.10	9.32	19.61	0.00	2.67	3.29	16.09	0.29	0.00	3.50	7.45	11.39
6	-	3.03	1988.	7.40	10.58	24.85	0.00	3.19	5.29	21.77	0.80	0.00	4.76	8.45	17.83
7	-	2.59	1710.	8.10	9.14	21.69	0.00	3.08	4.77	18.11	0.48	0.02	5.16	6.89	14.34
8	-	2.11	1437.	8.22	7.26	16.98	0.00	3.28	4.38	14.22	0.16	0.42	4.25	7.82	9.54
9	-	1.94	1367.	8.40	7.09	17.47	0.00	2.77	4.22	13.27	0.13	0.36	6.31	5.46	8.24
10	-	2.34	1516.	7.95	8.58	19.47	0.00	3.73	3.46	16.26	0.18	0.11	4.21	6.21	12.99
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	1.93	1184.	8.16	5.42	12.81	0.00	3.19	4.65	10.73	0.15	0.03	4.61	2.36	11.74
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : MI01 EDFINA BARAGE YEAR : 1980 CODE : 24
THE WATER QUALITY DATA DURING 1980 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	0.51	348.	8.16	1.23	2.29	0.00	2.34	0.89	1.56	0.13	0.00	2.59	0.70	1.64
6	-	0.52	344.	7.90	1.27	2.42	0.00	1.78	1.37	1.60	0.17	0.00	2.90	0.21	1.74
7	-	0.49	318.	8.03	1.10	2.06	0.00	1.51	1.56	1.37	0.13	0.00	2.66	0.18	1.72
8	-	0.56	390.	7.48	1.24	2.53	0.00	2.35	1.93	1.66	0.16	0.00	3.47	0.29	1.63
9	-	0.58	413.	7.77	1.90	3.77	0.41	2.28	0.86	2.38	0.16	0.00	3.54	0.36	1.77
10	-	0.48	326.	8.08	1.32	2.40	0.00	1.93	0.91	1.58	0.14	0.00	2.59	0.57	1.60
11	-	0.33	316.	7.63	1.28	2.19	0.00	1.31	1.79	1.59	0.15	0.00	2.01	0.18	2.65
12	-	0.62	404.	7.50	1.61	3.14	0.00	1.75	1.95	2.16	0.15	0.00	2.93	0.52	2.45
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	-	0.49	315.	7.70	1.33	2.27	0.00	1.77	1.13	1.61	0.12	0.00	2.07	0.57	1.99
2	-	0.44	296.	7.65	1.88	3.00	0.21	1.07	0.99	1.90	0.23	0.00	2.27	0.25	1.68
3	-	0.47	300.	7.59	1.15	1.98	0.00	1.97	0.92	1.38	0.12	0.00	2.13	0.23	2.02
4	-	0.57	402.	7.56	1.60	3.19	0.00	1.15	2.24	2.08	0.19	0.00	3.38	0.77	1.51
5	-	0.56	407.	7.67	1.92	3.71	0.29	1.83	1.19	2.36	0.20	0.00	3.31	0.93	1.34
6	-	0.58	387.	7.81	1.74	3.17	0.00	1.49	1.68	2.19	0.25	0.00	2.47	1.12	2.02
7	-	0.53	344.	8.14	1.65	2.84	0.00	1.17	1.73	1.99	0.15	0.00	2.18	1.02	1.84
8	-	0.54	324.	7.95	1.54	2.15	0.00	1.71	1.45	1.68	0.14	0.00	1.60	0.92	2.42
9	-	0.60	411.	7.50	1.37	2.74	0.00	2.30	1.52	1.90	0.16	0.00	3.01	0.91	1.98
10	-	0.65	449.	7.27	1.65	3.05	0.00	1.57	2.37	2.31	0.18	0.00	3.27	1.34	1.83
11	-	0.73	456.	7.84	1.24	2.45	0.00	1.82	3.13	1.96	0.14	0.00	2.38	1.64	3.03
12	-	0.72	466.	7.70	0.67	1.38	0.00	2.96	2.89	1.15	0.06	0.00	2.44	2.39	2.24
1981	-	0.58	380.	7.66	1.41	2.66	0.00	1.74	1.77	1.87	0.16	0.00	2.54	1.01	1.99

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 10 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RBC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	0.51	336.	7.86	0.89	1.67	0.00	2.45	1.15	1.20	0.06	0.00	2.36	0.79	1.70
2	-	0.41	278.	7.77	1.64	2.89	0.18	1.57	0.44	1.64	0.04	0.00	2.19	0.24	1.47
3	-	0.44	293.	7.60	1.54	2.49	0.00	1.34	1.08	1.69	0.08	0.00	2.05	0.89	1.26
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	0.57	382.	7.56	0.84	1.66	0.00	2.15	2.09	1.23	0.11	0.00	2.56	1.43	1.59
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	0.46	309.	7.91	0.74	1.58	0.00	1.93	1.37	0.95	0.13	0.00	2.50	0.60	1.28
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	0.66	459.	7.43	1.33	2.76	0.00	2.11	2.37	2.00	0.15	0.00	3.13	1.69	1.80
10	-	0.64	447.	7.83	1.37	2.74	0.00	2.25	2.05	2.00	0.13	0.00	2.84	2.03	1.56
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 ARE BASED ON 8 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	0.42	289.	8.22	1.57	2.61	0.02	0.85	1.44	1.68	0.10	0.00	2.32	0.69	1.07
3	-	0.45	314.	8.04	1.89	3.23	0.36	1.06	1.22	2.01	0.08	0.00	2.64	0.49	1.24
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	0.57	414.	7.73	1.92	3.75	0.34	2.06	0.98	2.37	0.21	0.00	3.38	0.82	1.47
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	0.57	398.	8.05	1.43	2.99	0.31	1.90	1.67	1.91	0.13	0.33	3.55	0.25	1.48
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	0.62	419.	7.72	1.29	2.72	0.00	2.00	2.02	1.83	0.15	0.00	3.66	0.21	2.08
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	0.51	350.	8.15	1.18	2.29	0.00	2.48	0.77	1.51	0.11	0.04	2.94	0.36	1.52
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : MK01 TILLA OUTFALL YEAR : 1980 CODE : 24
THE WATER QUALITY DATA DURING 1980 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	1.07	770.	7.70	2.03	4.92	0.00	2.59	4.88	3.84	0.23	0.00	5.02	3.05	3.17
7	-	1.09	790.	7.89	2.84	6.72	0.00	3.44	2.73	4.98	0.18	0.00	5.11	2.74	3.46
8	-	1.35	980.	7.71	3.42	8.44	0.00	3.77	3.67	6.60	0.20	0.00	5.70	4.00	4.84
9	-	1.01	734.	7.56	2.75	6.44	0.00	3.40	2.14	4.58	0.28	0.00	5.21	1.75	3.44
10	-	1.14	836.	7.67	2.13	5.49	0.00	4.00	3.57	4.14	0.18	0.00	6.67	1.43	3.79
11	-	1.45	957.	7.54	2.56	6.54	0.00	4.66	4.27	5.40	0.16	0.00	5.99	1.13	7.38
12	-	1.27	911.	7.74	2.98	6.44	0.00	3.14	4.90	5.17	0.20	0.00	5.63	3.41	4.37
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	-	1.14	791.	8.17	2.61	6.21	0.00	3.22	3.48	4.78	0.16	0.00	4.87	2.46	4.33
2	-	1.26	867.	7.66	3.43	8.35	0.00	3.79	2.58	6.10	0.22	0.00	5.98	0.86	5.81
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	1.25	938.	8.04	3.45	8.33	0.00	3.67	3.08	6.34	0.28	0.00	5.45	4.41	3.56
5	-	1.25	930.	8.02	2.73	6.74	0.00	3.55	4.28	5.40	0.24	0.00	5.36	4.66	3.45
6	-	1.24	892.	7.74	3.14	7.38	0.00	3.48	3.10	5.70	0.30	0.00	4.71	2.79	5.08
7	-	1.31	856.	7.37	3.97	9.20	0.00	3.22	2.67	6.81	0.15	0.00	4.95	1.16	6.75
8	-	1.37	937.	7.50	4.09	9.81	0.00	3.56	2.73	7.24	0.26	0.00	5.70	1.63	6.50
9	-	1.05	728.	7.93	3.48	7.99	0.45	2.37	2.51	5.44	0.23	0.00	5.33	0.68	4.47
10	-	1.27	926.	7.87	3.97	9.38	0.00	2.48	3.80	7.04	0.12	0.00	5.19	4.42	3.80
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1982 ARE BASED ON 8 WATER SAMPLES

MONTH	DISCH MIL M3	EC	TDS	PH	SAR	ADJ SAR	RSC	CA	MG	NA	K	CO3	HCO3	SO4	CL
1	-	1.05	745.	8.14	3.49	7.91	0.00	3.22	1.85	5.56	0.06	0.00	4.84	2.04	3.81
2	-	0.88	632.	7.97	2.51	5.61	0.00	2.95	1.95	3.92	0.14	0.00	4.48	1.71	2.77
3	-	1.02	739.	7.48	2.57	5.89	0.00	3.77	2.28	4.48	0.11	0.00	4.28	3.27	3.10
4	-	1.02	739.	7.55	2.83	6.39	0.00	3.39	2.33	4.79	0.11	0.00	4.21	3.50	2.92
5	-	0.81	569.	7.50	2.04	4.24	0.00	3.15	1.74	3.18	0.11	0.00	3.14	2.62	2.43
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	1.24	821.	7.47	2.77	5.31	0.00	3.45	1.77	5.27	0.11	0.00	1.78	5.79	5.03
9	-	1.34	1010.	7.24	3.86	9.13	0.00	3.74	3.43	7.32	0.11	0.00	4.70	6.64	3.24
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : MN01 UPPER PS NO 8 YEAR : 1981 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 =	8.690	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B =	-0.390	- 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 1981 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	13.34	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	5.56	1.73	1159.	3.78	4.94	12.18	0.00	3.71	3.92	9.64	0.22	0.00	5.91	2.86	8.72
3	16.34	1.44	907.	7.61	4.28	9.46	0.00	3.69	2.56	7.59	0.17	0.00	3.76	2.38	7.83
4	14.05	1.44	946.	7.65	4.90	10.92	0.00	3.33	2.41	8.30	0.25	0.00	4.25	2.80	7.24
5	16.26	1.48	978.	7.63	5.50	12.20	0.00	2.98	2.45	9.07	0.19	0.00	4.40	3.13	7.17
6	15.45	1.43	938.	7.69	3.84	8.96	0.00	3.09	3.80	7.12	0.24	0.00	4.55	2.79	6.92
7	17.46	1.43	956.	8.08	3.08	7.38	0.00	4.19	3.90	6.20	0.23	0.00	4.49	3.47	6.56
8	18.72	1.58	1006.	7.84	3.96	9.47	0.00	4.49	3.06	7.70	0.21	0.00	4.81	1.81	8.84
9	23.76	1.28	824.	7.61	3.49	8.03	0.00	3.24	2.96	6.15	0.16	0.00	4.46	1.42	6.63
10	19.22	1.51	968.	7.30	3.76	8.96	0.00	2.37	5.13	7.28	0.22	0.00	4.74	2.47	7.77
11	20.21	1.39	944.	7.62	3.95	9.47	0.00	1.89	4.86	7.25	0.18	0.00	5.35	2.70	6.12
12	18.69	1.72	1197.	7.66	5.39	12.84	0.00	3.46	4.02	10.35	0.10	0.00	5.21	5.47	7.26
1981	199.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1982 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	17.99	1.85	1170.	7.97	5.63	13.01	0.00	4.25	3.09	10.78	0.06	0.00	4.36	3.31	10.52
2	9.46	1.85	1174.	7.63	5.10	12.33	0.00	3.07	2.79	10.12	0.13	0.00	5.16	2.14	10.81
3	15.89	1.68	1057.	7.48	3.37	8.38	0.00	4.20	3.00	7.23	0.13	0.00	5.00	2.09	9.47
4	18.14	1.54	1002.	7.64	4.15	9.78	0.00	3.72	3.54	7.91	0.16	0.00	4.62	2.83	7.87
5	17.59	1.30	861.	7.66	4.22	9.19	0.00	2.87	2.85	7.19	0.15	0.00	3.70	3.39	5.93
6	18.43	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	19.04	1.77	1186.	7.79	5.48	12.83	0.00	3.67	3.66	10.49	0.21	0.00	4.65	4.85	8.54
8	21.17	1.82	1148.	7.55	5.17	10.57	0.00	5.45	2.29	10.18	0.15	0.00	2.35	5.64	10.07
9	26.13	1.66	1137.	7.80	5.21	11.78	0.00	4.09	3.02	9.82	0.23	0.00	3.93	6.00	7.22
10	21.89	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	20.70	1.44	936.	7.91	3.65	8.46	0.00	3.40	3.95	7.00	0.05	0.00	4.12	3.25	7.04
12	20.42	1.19	763.	7.92	3.60	7.88	0.00	2.90	2.62	5.98	0.09	0.00	3.86	1.83	5.90
1982	226.81	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 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	21.33	1.64	1055.	7.59	4.25	9.81	0.00	4.70	3.08	8.37	0.15	0.00	3.99	3.69	8.62
2	8.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	15.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	20.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	20.45	1.37	933.	7.47	5.76	12.11	0.00	3.32	1.45	8.89	0.14	0.00	3.81	4.17	5.82
6	21.24	1.56	1023.	7.82	6.05	13.28	0.00	3.12	2.26	9.93	0.15	0.00	4.27	3.34	7.85
7	24.32	1.80	1218.	8.36	6.85	15.72	0.00	3.13	3.05	12.03	0.12	0.03	4.90	4.96	8.44
8	24.63	1.81	1285.	8.38	6.07	14.80	0.00	4.03	3.36	11.67	0.15	0.65	5.18	6.42	6.93
9	28.44	1.45	1032.	8.33	5.32	12.49	0.00	3.21	2.65	9.10	0.11	0.13	5.42	3.97	9.99
10	24.56	1.61	1083.	8.41	3.80	9.19	0.00	4.27	4.34	7.88	0.09	0.18	4.50	4.73	7.15
11	19.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	21.80	1.41	920.	8.26	3.67	8.55	0.00	4.04	3.00	6.89	0.11	-0.02	4.34	2.64	6.99
1983	290.95	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : MN02 MANDURA PS YEAR : 1980 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	=	10.690	- DISCHARGE IN M**3 PER SECOND AT ZERO SUCTION HEAD
B	=	-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 1980 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	6.22	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	11.39	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	12.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	15.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	14.96	2.80	1797.	7.66	7.48	18.70	0.00	4.68	5.81	17.12	0.64	0.00	5.45	5.86	14.93
7	19.98	2.32	1461.	7.97	6.83	16.45	0.00	4.04	4.46	14.07	0.35	0.00	5.03	3.84	14.04
8	17.62	2.86	1791.	7.62	7.94	20.02	0.00	5.02	5.22	17.96	0.17	0.00	5.87	4.15	18.34
9	20.22	2.11	1349.	7.45	6.34	15.24	0.00	3.89	4.17	12.72	0.17	0.00	5.12	3.55	12.28
10	15.25	2.04	1309.	7.54	3.99	10.23	0.00	5.89	5.05	9.34	0.17	0.00	5.56	3.35	11.53
11	13.67	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	10.77	2.80	1900.	7.32	9.31	22.51	0.00	4.58	4.51	19.85	0.32	0.00	5.16	9.25	14.85
1980	168.73	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	10.25	2.63	1786.	7.45	9.62	22.06	0.00	3.73	4.07	19.00	0.40	0.00	4.38	10.66	12.16
2	3.39	6.88	4230.	6.93	13.60	37.84	0.00	11.91	10.49	45.51	1.57	0.00	7.26	8.93	93.23
3	15.09	1.94	1180.	7.76	8.73	12.59	0.00	4.81	2.68	11.08	0.17	0.00	3.35	3.27	12.09
4	12.18	2.23	1410.	7.62	6.20	14.49	0.00	5.02	3.88	13.07	0.22	0.00	4.08	4.86	13.31
5	14.86	1.99	1263.	7.42	6.45	14.54	0.00	3.78	3.41	12.23	0.26	0.00	3.98	4.34	11.39
6	12.73	2.92	1988.	7.58	10.71	24.79	0.00	3.58	4.34	21.31	0.93	0.00	4.64	11.87	13.69
7	13.39	2.83	1848.	7.79	8.72	21.27	0.00	5.84	3.51	18.86	0.49	0.00	5.26	6.69	16.75
8	19.96	2.38	1440.	7.63	6.39	15.55	0.00	3.88	5.29	13.68	0.22	0.00	4.98	2.43	15.65
9	16.98	1.98	1183.	7.27	5.92	13.84	0.00	3.06	4.25	11.31	0.20	0.00	4.67	1.21	12.96
10	15.18	2.24	1350.	7.45	6.95	15.16	0.00	2.37	5.85	13.28	0.24	0.00	4.16	3.14	14.47
11	11.90	3.06	1839.	7.91	6.81	16.78	0.00	4.92	7.81	17.19	0.23	0.00	4.32	4.88	20.98
12	11.90	2.48	1541.	7.71	6.46	14.83	0.00	4.78	5.36	14.54	0.08	0.00	3.45	6.21	15.09
1981	153.82	8.48	1542.	7.50	7.28	17.18	0.00	4.28	4.68	15.41	0.33	0.00	4.38	5.15	15.19

THE WATER QUALITY DATA DURING 1982 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	13.86	3.00	1737.	7.89	6.02	14.43	0.00	6.21	7.17	15.57	0.05	0.00	3.55	3.72	21.73
2	6.79	3.11	1788.	7.33	5.85	14.74	0.00	6.84	7.32	15.57	0.10	0.00	4.48	2.30	23.06
3	9.69	3.01	1780.	7.23	6.69	16.66	0.00	7.13	5.15	16.58	0.20	0.00	4.68	2.91	21.46
4	14.96	2.02	1168.	7.74	5.24	11.85	0.00	4.47	3.71	10.60	0.20	0.00	3.56	1.43	13.99
5	15.73	1.31	808.	7.64	3.80	7.96	0.00	2.84	3.09	6.54	0.18	0.00	3.02	2.49	7.14
6	15.75	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	21.21	1.81	1187.	7.74	5.89	13.43	0.00	3.07	3.74	10.87	0.23	0.00	4.32	3.68	9.92
8	16.76	2.66	1617.	7.54	7.14	15.84	0.00	7.42	2.53	15.91	0.18	0.00	3.01	5.22	17.81
9	18.79	2.53	1690.	7.56	8.71	19.79	0.00	4.79	3.51	17.71	0.13	0.00	3.93	9.14	13.03
10	14.03	3.11	1971.	7.82	8.13	19.95	0.00	5.51	6.17	19.64	0.20	0.00	4.62	7.44	19.42
11	13.27	2.09	1287.	7.89	6.92	15.18	0.00	3.40	3.74	13.08	0.20	0.00	3.53	4.10	12.77
12	11.18	2.13	1266.	7.73	6.52	14.54	0.00	4.36	3.15	12.64	0.17	0.00	3.65	2.36	14.31
1982	172.01	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 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	15.99	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	7.03	6.17	3543.	7.95	12.13	29.77	0.00	12.63	8.05	39.01	0.30	0.00	3.49	5.45	51.06
3	11.25	2.23	1381.	7.76	7.31	15.61	0.00	4.81	2.72	14.19	0.17	0.00	3.03	5.24	13.61
4	18.30	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	15.97	1.90	1237.	7.46	7.36	15.32	0.00	3.51	2.59	12.86	0.14	0.00	3.14	6.12	9.84
6	15.78	2.32	1532.	7.75	7.94	18.65	0.00	4.01	3.79	15.67	0.16	0.00	4.80	6.30	12.53
7	21.74	2.05	1348.	8.04	7.49	17.26	0.00	3.20	3.57	13.78	0.12	0.01	4.76	5.18	10.72
8	16.55	2.20	1483.	7.97	6.92	17.21	0.00	3.99	4.38	14.14	0.19	0.28	5.86	5.36	11.18
9	19.33	1.86	1265.	7.80	6.54	15.45	0.00	2.52	4.30	12.08	0.28	0.18	5.08	5.24	8.64
10	18.19	2.40	1698.	8.03	6.72	16.33	0.00	4.65	5.79	15.36	0.13	0.07	4.48	11.52	9.81
11	13.03	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	12.92	2.15	1329.	8.20	6.09	14.89	0.00	4.19	4.18	12.47	0.10	0.02	5.38	1.98	13.55
1983	183.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : MN03 NASHART OUTFALL YEAR : 1980 CODE : 24
THE WATER QUALITY DATA DURING 1980 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	1.35	910.	7.74	5.66	11.67	0.00	2.47	2.67	9.08	0.24	0.00	3.27	1.15	10.04
6	-	1.87	1183.	7.64	8.23	17.95	0.00	2.22	2.77	12.99	0.24	0.00	4.67	2.60	10.94
7	-	1.73	1151.	7.89	4.38	10.78	0.00	3.94	4.43	8.96	0.23	0.00	5.35	3.54	8.66
8	-	1.94	1243.	7.48	6.07	14.59	0.00	4.13	3.18	11.62	0.17	0.00	5.42	2.60	11.09
9	-	2.02	1237.	7.52	6.01	14.24	0.00	4.28	3.22	11.65	0.26	0.00	4.91	1.66	12.83
10	-	1.99	1300.	7.18	4.34	11.14	0.00	4.56	5.43	9.70	0.38	0.00	6.07	3.07	10.93
11	-	2.14	1331.	7.03	4.45	11.39	0.00	5.08	5.23	10.09	0.54	0.00	5.88	1.67	13.39
12	-	2.76	1846.	3.85	8.80	20.66	0.00	4.79	4.37	18.83	0.70	0.00	4.34	9.34	14.80
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	-	2.40	1568.	7.61	6.52	15.46	0.00	5.45	4.18	14.30	0.55	0.00	4.21	6.80	13.42
2	-	3.39	2159.	7.40	9.76	19.03	0.00	9.14	8.30	16.99	0.42	0.00	4.86	8.68	21.31
3	-	1.98	1237.	7.37	4.70	11.02	0.00	4.92	4.30	10.09	0.27	0.00	3.90	3.96	11.73
4	-	1.53	973.	7.32	4.60	10.33	0.00	3.29	3.21	8.30	0.20	0.00	3.98	2.88	8.14
5	-	1.69	1105.	7.71	6.30	13.93	0.00	3.52	2.31	10.75	0.20	0.00	4.20	3.79	8.84
6	-	2.26	1429.	7.88	7.13	16.47	0.00	3.54	4.39	14.21	0.30	0.00	4.25	4.93	13.29
7	-	1.83	1202.	7.95	6.31	14.57	0.00	3.36	3.24	11.47	0.24	0.00	4.74	4.08	9.49
8	-	1.76	1155.	7.77	5.99	13.10	0.00	2.84	4.16	10.46	0.20	0.00	4.82	3.82	9.09
9	-	1.56	1037.	7.46	3.85	8.60	0.00	2.95	5.50	7.30	0.20	0.00	4.71	4.07	7.13
10	-	1.45	901.	7.50	4.01	9.25	0.00	2.10	4.51	7.29	0.20	0.00	4.41	1.42	8.22
11	-	1.47	1008.	7.63	4.09	9.99	0.00	2.16	5.00	7.74	0.20	0.00	5.71	3.15	6.18
12	-	1.55	1006.	7.72	5.89	12.29	0.00	2.74	3.07	9.53	0.07	0.00	4.01	3.52	7.88
1981	-	1.90	1225.	7.57	5.29	12.50	0.00	3.80	4.31	10.66	0.25	0.00	4.48	4.23	10.32

THE WATER QUALITY DATA DURING 1982 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	-	1.72	1043.	7.36	3.97	9.23	0.00	4.50	4.09	8.22	0.06	0.00	3.81	3.03	9.98
3	-	1.97	1159.	7.54	3.72	9.01	0.00	6.85	3.96	8.37	0.19	0.00	4.18	1.12	13.37
4	-	1.53	992.	7.68	4.43	10.27	0.00	3.18	3.35	7.95	0.66	0.00	4.68	2.23	8.13
5	-	1.34	868.	7.79	3.89	8.52	0.00	2.68	3.28	6.72	0.55	0.00	3.66	2.88	6.68
6	-	1.41	918.	7.67	4.58	10.31	0.00	3.44	2.42	7.84	0.20	0.00	4.32	2.32	7.26
7	-	1.84	1260.	7.74	6.52	15.04	0.00	4.52	2.15	11.92	0.29	0.00	4.71	5.45	8.73
8	-	1.97	1263.	7.26	5.61	12.10	0.00	4.09	4.17	11.40	0.24	0.00	2.87	6.42	10.62
9	-	1.67	1300.	7.76	6.09	14.27	0.00	4.08	3.88	11.69	0.48	0.00	4.71	6.64	8.13
10	-	1.62	1095.	7.71	5.68	12.73	0.00	3.68	2.56	10.04	0.19	0.00	4.19	4.91	7.37
11	-	1.48	1011.	7.80	5.96	12.81	0.00	3.35	1.87	9.64	0.19	0.00	3.94	4.60	6.51
12	-	1.23	820.	7.68	4.45	9.48	0.00	3.34	1.69	7.06	0.15	0.00	3.72	2.87	5.69
1982	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	4.30	2488.	7.44	10.21	24.51	0.00	6.94	7.22	27.18	0.24	0.00	3.76	4.62	33.19
3	-	2.13	1390.	7.56	9.94	13.93	0.00	6.20	2.66	12.51	0.23	0.00	3.56	6.40	11.64
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	1.75	1184.	6.97	6.44	14.41	0.00	4.01	2.23	11.37	0.22	0.00	4.27	5.32	8.24
6	-	1.80	1150.	7.26	6.88	15.55	0.00	3.71	2.04	11.65	0.17	0.00	4.83	2.51	10.22
7	-	1.96	1237.	8.10	6.08	14.45	0.00	3.15	4.27	11.71	0.15	0.02	5.06	2.79	11.41
8	-	1.78	1204.	8.44	4.14	10.49	0.00	5.01	4.28	8.93	0.14	0.40	5.45	4.24	8.26
9	-	1.80	1301.	8.43	6.23	15.22	0.00	3.22	4.00	11.84	0.17	0.25	5.81	6.52	6.63
10	-	1.80	1182.	8.59	9.27	12.49	0.00	3.29	4.42	10.35	0.22	0.23	4.52	4.66	8.75
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	1.45	975.	8.24	4.66	10.64	0.00	3.63	2.67	8.27	0.11	0.10	4.34	3.61	6.61
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : MNO4 ZEINI PS YEAR : 1980 CODE : 13
THE WATER QUALITY DATA DURING 1980 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	2.86	1682.	7.66	8.82	20.81	0.00	3.44	5.22	18.36	0.29	0.00	4.63	2.43	20.25
6	-	3.09	1919.	7.60	9.58	24.08	0.00	3.07	6.30	20.75	0.37	0.00	6.37	3.87	20.19
7	-	2.57	1635.	7.92	8.96	21.45	0.00	3.24	4.43	17.55	0.30	0.00	5.50	4.48	15.54
8	-	2.63	1682.	7.30	8.79	21.75	0.00	3.58	4.59	17.75	0.24	0.00	6.35	3.82	15.99
9	-	2.57	1619.	7.47	7.72	18.95	0.00	2.68	4.30	16.35	0.26	0.00	5.50	4.44	15.65
10	-	2.51	1560.	7.59	5.37	14.05	0.00	3.96	7.73	12.98	0.21	0.00	6.28	3.02	15.57
11	-	2.48	1472.	7.35	4.55	11.83	0.00	4.56	7.82	11.32	0.29	0.00	5.70	1.48	16.80
12	-	3.97	2655.	7.45	12.50	30.58	0.00	4.19	7.21	29.84	0.35	0.00	5.00	14.51	22.09
1980	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	-	4.21	2744.	7.74	13.70	32.85	0.00	4.33	6.59	32.00	0.50	0.00	4.69	13.08	25.64
2	-	5.26	3207.	7.59	7.64	21.89	0.00	8.18	16.91	27.07	1.18	0.00	7.43	7.30	38.54
3	-	2.73	1583.	7.46	8.48	19.31	0.00	3.72	4.60	17.30	0.26	0.00	3.94	2.23	19.68
4	-	3.05	1989.	7.47	9.86	23.36	0.00	4.11	5.42	21.52	0.25	0.00	4.93	8.75	18.06
5	-	2.39	1562.	7.66	8.32	19.11	0.00	3.72	3.98	16.31	0.24	0.00	4.35	6.76	13.13
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	3.98	2595.	7.65	12.09	30.83	0.00	3.27	8.39	29.18	0.37	0.00	6.24	10.02	24.87
8	-	2.31	1429.	7.58	7.86	18.16	0.00	2.74	4.59	15.05	0.23	0.00	4.59	3.66	14.33
9	-	2.81	1691.	7.91	8.37	20.13	0.00	3.17	5.97	17.89	0.25	0.00	4.92	3.26	19.13
10	-	2.96	1682.	7.89	8.45	20.11	0.00	2.68	6.61	18.20	0.31	0.00	4.60	1.03	22.22
11	-	3.19	1782.	7.68	8.35	19.52	0.00	3.35	7.03	19.02	0.35	0.00	3.87	2.06	23.83
12	-	3.01	1859.	7.97	9.64	22.00	0.00	4.07	5.08	20.63	0.11	0.00	3.81	6.47	19.41
1981	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1982 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	-	3.81	2207.	7.63	10.29	24.86	0.00	4.79	6.90	24.88	0.07	0.00	4.40	3.49	28.69
2	-	3.89	2165.	7.26	9.00	21.80	0.00	4.37	9.02	23.29	0.12	0.00	4.00	1.82	30.99
3	-	4.36	2458.	7.25	8.59	22.30	0.00	5.39	11.19	24.73	0.36	0.00	5.14	1.87	34.64
4	-	2.83	1714.	7.62	8.05	19.86	0.00	3.84	5.77	17.64	0.27	0.00	5.43	2.99	19.09
5	-	1.75	1124.	7.73	5.63	12.45	0.00	3.05	3.21	9.95	1.03	0.00	3.93	3.53	9.77
6	-	2.43	1684.	7.70	7.64	18.94	0.00	4.07	4.82	16.11	0.55	0.00	5.85	7.88	11.77
7	-	2.34	1544.	7.65	8.05	19.17	0.00	3.35	4.33	15.78	0.34	0.00	5.23	5.76	12.79
8	-	3.57	2313.	7.40	8.00	21.41	0.00	6.17	8.56	21.73	0.32	0.00	6.61	8.05	22.14
9	-	3.26	2073.	7.73	7.72	19.96	0.00	4.40	8.78	19.81	0.23	0.00	5.72	7.20	20.30
10	-	3.21	1929.	7.48	10.03	23.73	0.00	3.05	6.28	21.65	0.30	0.00	4.98	4.54	22.17
11	-	2.30	1399.	7.61	8.52	18.39	0.00	2.76	3.92	15.57	0.09	0.00	3.97	4.14	14.64
12	-	2.19	1314.	7.68	6.33	14.49	0.00	3.16	5.08	12.84	0.12	0.00	3.89	3.12	14.19
1982	-	2.84	1767.	7.57	7.99	19.51	0.00	3.93	6.09	17.88	0.34	0.00	4.96	5.05	18.21

THE WATER QUALITY DATA DURING 1983 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	6.90	4081.	7.47	14.36	36.57	0.00	7.66	13.62	46.85	0.64	0.00	4.34	9.04	55.38
3	-	4.00	2397.	7.26	11.56	26.85	0.00	3.97	7.52	27.71	0.26	0.00	3.70	6.89	28.87
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	2.61	1679.	7.23	10.86	23.19	0.00	3.34	3.08	19.47	0.23	0.00	3.65	7.94	14.53
6	-	2.95	1672.	7.57	9.96	23.21	0.00	3.08	3.89	18.59	0.25	0.00	5.22	6.25	14.34
7	-	2.68	1767.	8.06	9.68	23.33	0.00	2.62	5.09	19.26	0.22	0.01	5.65	6.64	15.08
8	-	3.44	2322.	8.17	11.37	29.31	0.00	4.35	5.79	25.61	0.26	0.46	6.81	9.42	19.31
9	-	2.95	1863.	8.36	9.87	22.95	0.00	3.05	5.81	20.77	0.19	0.48	3.85	7.53	17.95
10	-	3.76	2428.	8.10	15.69	35.49	0.00	3.22	4.30	30.42	0.10	0.11	4.94	11.59	21.79
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	2.72	1591.	8.22	7.74	18.13	0.00	4.28	4.96	14.63	0.13	0.07	4.11	2.53	19.29
1983	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

LOCATION : MT01 TIRA PB YEAR : 1980 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 1980 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	25.18	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	12.84	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	27.42	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	22.32	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	23.56	8.14	4853.	7.64	30.96	70.53	0.00	3.89	6.15	69.36	0.88	0.00	4.58	8.90	66.80
6	30.73	4.98	2734.	7.42	12.07	30.40	0.00	5.40	7.75	30.95	0.78	0.00	5.31	5.17	34.38
7	40.97	4.66	2729.	7.64	8.62	23.03	0.00	6.72	11.71	26.17	0.97	0.00	5.75	4.07	35.76
8	45.43	4.75	2906.	7.49	12.50	32.31	0.00	4.91	8.98	32.95	0.54	0.00	6.03	7.01	34.34
9	48.29	5.37	3329.	7.46	14.79	37.80	0.00	5.04	9.11	39.34	0.71	0.00	5.76	9.43	39.01
10	35.96	6.69	4032.	7.47	14.19	39.15	0.00	8.26	12.42	45.64	0.53	0.00	7.26	7.37	52.21
11	27.42	7.04	4223.	7.37	13.09	36.25	0.00	7.67	16.82	45.66	0.67	0.00	6.74	8.96	55.52
12	32.19	10.82	7354.	7.42	23.69	61.27	0.00	7.04	21.10	88.88	1.38	0.00	4.50	43.82	70.09
1980	372.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1981 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	24.86	10.58	7143.	7.43	24.09	62.71	0.00	8.05	18.18	87.25	1.41	0.00	4.88	40.12	69.94
2	10.86	11.33	6825.	6.90	23.07	65.36	0.00	10.52	16.83	85.33	1.61	0.00	8.19	10.28	95.79
3	17.98	9.03	5137.	7.83	15.98	41.62	0.00	7.26	20.93	60.01	0.89	0.00	4.31	6.28	78.19
4	16.83	9.32	6156.	7.40	18.92	51.04	0.00	9.06	19.49	71.47	0.93	0.00	5.50	27.36	68.04
5	22.38	8.58	5435.	7.80	19.42	50.36	0.00	7.34	15.77	66.00	0.75	0.00	4.90	19.51	65.35
6	23.20	4.83	3106.	7.50	15.38	38.21	0.00	3.67	8.17	37.42	0.54	0.00	5.55	11.80	32.42
7	34.57	6.92	4421.	7.76	18.13	46.81	0.00	5.17	12.28	53.56	1.05	0.00	5.57	16.26	50.16
8	41.18	5.39	3188.	7.32	12.35	31.65	0.00	4.21	11.84	34.98	1.90	0.00	5.19	5.88	41.84
9	42.95	5.46	3092.	7.64	11.38	29.51	0.00	5.10	12.66	33.90	0.83	0.00	5.16	2.74	44.56
10	37.37	5.45	3008.	7.76	11.46	29.18	0.00	4.72	12.61	33.73	0.58	0.00	4.70	1.23	45.64
11	25.51	7.87	4504.	7.92	15.22	40.37	0.00	7.48	16.25	52.44	0.77	0.00	5.24	5.03	66.63
12	33.21	9.06	5561.	7.67	19.71	49.54	0.00	7.30	16.96	68.64	0.34	0.00	3.99	16.97	72.27
1981	330.89	7.28	4443.	7.54	16.34	42.44	0.00	6.13	14.46	52.43	0.94	0.00	5.10	12.25	56.58

THE WATER QUALITY DATA DURING 1982 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	28.34	11.33	6644.	7.77	20.00	53.26	0.00	8.91	23.97	81.08	0.10	0.00	4.75	11.50	97.81
2	12.69	12.95	7409.	7.18	19.38	53.59	0.00	9.95	31.13	87.85	0.18	0.00	5.31	7.65	116.15
3	21.79	9.25	5339.	7.34	14.94	40.37	0.00	5.71	26.15	59.64	0.78	0.00	4.97	8.69	78.64
4	24.00	6.96	4093.	7.34	15.69	40.14	0.00	5.70	13.80	48.99	0.48	0.00	4.79	8.05	56.12
5	20.22	8.09	4958.	7.31	17.55	45.74	0.00	6.03	16.91	59.45	0.51	0.00	4.95	14.52	63.43
6	31.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	52.75	5.37	3426.	7.91	14.68	37.40	0.00	5.10	9.65	39.89	0.74	0.00	5.48	12.69	37.21
8	51.96	6.39	3861.	7.27	15.89	36.34	0.00	9.48	7.52	46.32	0.74	0.00	2.88	11.39	49.78
9	43.04	6.90	4383.	7.64	23.98	56.27	0.00	4.25	7.84	57.97	0.92	0.00	4.81	18.04	47.73
10	37.14	6.48	4016.	7.29	17.03	42.12	0.00	4.40	12.21	49.07	0.59	0.00	4.43	13.39	48.44
11	24.71	8.35	4825.	7.36	18.44	47.13	0.00	8.13	13.25	60.27	0.31	0.00	4.66	6.48	70.82
12	31.17	5.80	3413.	7.60	14.74	39.12	0.00	6.67	8.95	41.17	0.32	0.00	3.66	7.60	45.85
1982	379.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-

THE WATER QUALITY DATA DURING 1983 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	41.06	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	12.34	13.71	8212.	7.34	21.72	58.75	0.00	13.05	27.97	98.34	1.16	0.00	4.75	16.40	119.37
3	21.17	11.74	6974.	7.37	21.42	55.69	0.00	10.82	21.22	85.76	1.04	0.00	4.24	13.47	101.14
4	30.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	30.11	7.32	4696.	7.33	19.67	48.75	0.00	5.76	11.80	58.27	0.68	0.00	4.47	19.75	52.28
6	30.29	7.27	4751.	7.60	19.80	50.29	0.00	7.97	9.35	58.28	0.79	0.00	5.18	21.42	49.78
7	49.27	6.30	4111.	8.06	18.10	44.47	0.00	5.28	10.02	50.06	0.61	0.02	4.53	20.45	40.96
8	50.63	5.79	3871.	8.19	16.69	42.82	0.00	4.70	10.45	45.95	0.33	0.42	5.36	21.51	34.13
9	49.00	5.15	3395.	8.37	16.12	39.23	0.00	2.76	10.13	40.92	0.18	0.41	4.30	19.85	29.41
10	35.31	4.49	2997.	8.33	15.11	36.39	0.00	3.64	7.46	35.60	0.21	0.22	4.62	18.25	23.81
11	24.71	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	27.45	8.18	4959.	8.17	16.03	42.06	0.00	8.50	17.16	57.41	0.34	0.11	4.64	13.48	65.18
1983	401.59	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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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 الاس 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 البنـاء 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 درجة عاليـة من الدقـة والواقـــع - والتى 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 الصرف .

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

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 المهندسة / 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

* مقدمـــــــــــة :-

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 الوسائـــــل .

* الفريق البحثى للمشـــــروع :-

مدير المشـــــروع :

د.م / محمد محمود جاســـــــــــــــــر

د. / ب. أ. ريتمـــــــــــــــــــا

رئيس الشعبـــــة :

د. / سامية محمود سعد الدين الجنـــــــــدى

د.م / ضيـاء الدين احمد حسين القومـــــــــى

* الخبراء الهولنديـن المقيميـــــن :

* المستـــــر / ديتمـــر بولـــــــــــــز
* المستـــر / مارين ماسكنـــــــــــــت
* المستـــــر / هاندريك بانتـــــــــــزدورب
* المستـــــر / روبـرت سميـــــــــــت

* الفريق المصرى للمشـــــــــــروع :

١ - الدكتـور / محمـد احمـد عبد الخالـــــــــــق

٢ - الدكتورة / شادين عبد الجـــــــــــــواد

مشروع اعاده أستخدام ميـــاه الصـرف نشـاط مشتـرك بيـــــــــــن :-

معهـد بحوث الصـــــــــــــــرف - الجيـزه - جمهوريه مصر العربيـــــــة

ومعهد بحوث اداره الاراضى والميـــــاة - فاجننجن - هولنـــــــــــــــــدا

وتعتبـر الجهـه الممولـه للمشـروع وزاره الـرى بجهوريه مصر العربيـــــــــــــــة ووزاره العلاقات الخارجيـه بهولنـدا فى أطار البرنـامج المشترك للتعاون الفنـــى بين مصـر وهولنـــــدا .

ويعمل المجلس الاستشـارى المصرى الهولنـدى كهيئـه مشـرفة .

نتـائج الدراسات التى تمت خلال هذا المشـروع ستعرض اما فى تقـارير مبدئيـــــــ او تقـاريـر نهـائيـــه . حيث ان محتويات التقـارير المبدئيه ممكن تختلف بشـــده من تقديم مبسط للبيـانات او منـاقشات لنتـائج وخلاصات بحثيـــه .

الاراء والتوصيات الموجوده فى التقـاريـر السابقه تعتبـر اراء المؤلف فقـــــط وليس لهـا علاقـه بالمعاهـــــد اوالوزارات المعنيـة .

مشروع اعادة استخدام مياة الصرف

تقرير رقم ١١

الكتاب السنوى
وسط الدلتا ١٩٨٠ـ١٩٨٣
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 شى حى"

صدق الله العظيم