MINISTRY OF WATER AND SANITATION

COUNTY GOVERNMENT OF KWALE

WATER SERVICES DEPARTMENT

REPUBLIC OF KENYA **KWALE COUNTY**

Kenya Water Security and Climate Resilience Project – Phase 2

Consultancy Services for Preparation of Kwale County Water Supply Development Master Plan

Preliminary Design Report

Volume 1: Makamini Dam and Water Supply

Version 1

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Quality Information

Quality Control

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TECHNICAL DETAILS SUMMARY SHEET

1) **Name of Dam:** Makamini Dam

2) Site Location

Location: Makamini Sub-location, Samburu Location, Kinango Division, Kinango Sub-county of Kwale County

Grid reference: 03° 58' 57.7" S, 39° 13' 57.5" E [X=525,050, Y= 9,559,709 (UTM, Arc1960, 37S)]

3) Hydrological Data

Source	: Runoff from Mulungunu and Vigurungani Rivers
Catchment Area	: 277.86 Km^2
Catchment condition	: Undulating slopes (4.50%), Farmland surface, sand & gravel soil.
Annual Rainfall	: 684.00mm
Mean Annual runoff	: 124.78mm
Runoff Factor	: 0.23

4) Embankment Details

Crest Elevation	:	199.00m.a.s.l
Normal Water Elevation	:	196.00m.a.s.l
Bed/Invert Level	:	190.00m.a.s.l
Maximum Height	:	9.00 m
Depth of water	:	6.00 m
Crest Length	:	737.50 m
Crest Width	:	6.0 m
Earthfill Volume approx.	:	303,806 m^3
Upstream Slope	:	1 (vertical): 3 (horizontal)
Downstream Slope	:	1 (vertical): 2.5 (horizontal)
Filter Blanket	:	Sand/gravel reverse filter
U/S Slope Protection	:	Rip-rap placed over normal water levels
D/S Slope Protection	:	Topsoil and grass
Crest Protection	:	150mm murram

5) Dam Type and Classification

Type	:	Zoned Central Core Earthfill
Class	:	Category C dam (high risk)

6) Reservoir

Reservoir capacity	:	4.2045 Mm^3
Net storage volume	:	1.74 Mm^3
Dead storage	:	1.4477 Mm^3
Safe Yield	:	4,779.26 m^3/day
Reservoir area	:	154.18 hectares at NWL
Normal Water Depth	:	6.00 m
Normal Water Level (NWL)	:	196.00 m.a.s.l
Fetch length	:	3.05 Km

Net Freeboard	:	1.5m
Gross Freeboard	:	3.00 m above normal water level

7) SPILLWAYS

Spillway type	:	Ogee
Spillway Crest Elevation	:	196.00 m.a.s.l
Crest Length	:	28.0m
Inflow design flood	:	288.1 m^3/sec
PMP	:	150mm
Location	:	LHS Abutment.

8) Draw-off System

Capacity : 0.0325m^3/sec

Inlet Details: 225 mm dia perforated GS Pipe, with random stone surround filter, end cap, 90 degree GS Elbow, flanged adapter and couplings,

Draw-off Invert level	:	190.00 m.a.s.l

9) Water Supply System

Required Portable water demands	:	2010.10 m^3/day
Treatment Plant type	:	Conventional
Water treatment plant Capacity	:	2815 m^3/day
Pump details	:	1 duty and 1 standby
		Q = 117.3 m3/hour
		TDH = 67.50m
Generator detail	:	1 standby to serve above pump
Pipeline summary	:	Rising main – 225mm dia and 710m long.
	:	Conveyance – 200mm dia and 53,077m long; and 100mm dia 18,765m long.

10) Project Cost estimates

Investment Cost :

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1 Introduction

1.1 Authority of the Report

This Preliminary Design Report been prepared in compliance the Terms of Reference (TOR) ***for Consultancy Services for Preparation of Kwale County Water Supply Development Master Plan*** and in accordance with the contract agreement between the Egis and Ministry of Water and Sanitation (Client).

This report covers Makamini dam preliminary project design including the topographical survey, hydrological analysis, geological/geotechnical investigations, Water demand analysis and dam sizing, design criteria, conceptual design for both dam and water treatment plant and conveyance pipelines, project costing and environmental and social impact assessment.

1.2 Project Overview

Kwale County is predominantly rural nature of the County. Kwale County has five small towns, namely Kwale, Ukunda/Diani, Msambweni, Kinago and Lunga Lunga, which account for about 18% of the total County population of 649,531 (2009 census). About 15% of the total County population have access to improved water, 18.4% have access to improved sanitation and 51% practice open defecation (compared to the national average of 15%). Out of 464 primary schools and 74 Secondary schools, only 163 (35%) and 42 (57%) are reported to have adequate sanitation, respectively. Kwale County has no piped sewer system. The population relies on septic tanks (especially in urban areas) and pit latrines. Given the low capacity of its water service provider (KWAWASCO), the Ministry of Environment, Water, and Natural Resources (MWI) and Kwale County prepared a comprehensive support program under the Kenya Water Security and Climate Resilience Project Phase -1 (KWSCRP-1) to strengthen the service provider and put in place a sound policy, institutional, and legal framework at the County level.

KWSCRP-1 (P117635, Credit Number IDA 5268-KE) was approved by the World Bank board on June 18, 2013 and declared effective on October 24, 2013. The project development objectives of KWSCRP-1 are to: (i) increase availability and productivity of irrigation water for project beneficiaries; and (ii) enhance the institutional framework and strengthen capacity for water security and climate resilience for the country. KWSCRP-1 focuses on the progressive development of a water investment pipeline, integrated and participatory basin planning, and technical assistance to the evolving water sector institutions and sector reforms at a critical period of constitutional and political transition.

The Coastal Region Water Security and Climate Resilience Project (KWSCRP-2) was approved by the World Bank Board in December 2014. This is the second operation under the program and its design is consistent with the approach envisaged for the program in that investment preparation follows a sound investment framework and incorporates a multi-sectoral, multi-dimensional approach.

The overarching development objective of the KWSCRP program is to improve water security and build climate resilience in Kenya. The development objective of this specific project (KWSCRP-2) is to sustainably increase bulk water supply to Mombasa County and Kwale County and increase access to water and sanitation in selected communities in Kwale County. The component also supports livelihood improvement and development of Demonstration Irrigation Scheme in Kwale County.

As part of the Kenya Water Security and Climate Resilience Program, the proposed project has strong linkages with the first phase operation, the Kenya Water Security and Climate Resilience Project (KWSCRP-1). A major objective of KWSCRP-1 is to enhance the institutional framework and strengthen capacity for water security and climate resilience for the country. As such, KWSCRP-1 has been envisaged as an “umbrella” for the overall program. The proposed KWSCRP-2 provides an opportunity to achieve these objectives in the coastal region, and to anchor KWSCRP-1 activities to a high-visibility investment in Kenya’s water sector (i.e. Mwache Dam). Accordingly, KWSCRP-1 is financing a number of priority studies in the coastal region, particularly in Kwale and Mombasa Counties, including studies

for water supply, sanitation and irrigation activities in Kwale County, and for the investments downstream of Mwache Dam. Combined support from KWSCRP-1 and KWSCRP-2 is expected to contribute to the devolution and sector reform process in the coastal region, in particular, in Kwale and Mombasa counties. These strong linkages and synergies between the two phases of the KWSCRP program will enhance the synergies between the two operations and help ensure a coordinated approach for the successful implementation of the program.

1.3 General Background

The proposed Makamini dam is one of the 20 priority projects (including 14 dams, 3 sand storage Dams, Upper Mwache check dam intake, Umba dam intake, Mzima pipeline, Djabias and Kizibe groundwater development) proposed in the master plan prepared under the Consultancy Services for Preparation of Kwale County Water Supply Development Master Plan.

1.4 Task Objective

The objective of this assignment is to conduct a preliminary investigations and preliminary engineering design for the development of proposed Makamini dam, water treatment plant and conveyance pipeline. The development of this dam is essentially to provide water to be used mainly for potable water demands within the proposed Makamini service area.

1.5 Structure of the Report

This report is organized into seven different Chapters as follows:

- Chapter 1: Introduction;
- Chapter 2: Characteristic of the project area;
- Chapter 3: Topographical Surveys;
- Chapter 4: Hydrological Studies;
- Chapter 5: Geological Investigations;
- Chapter 6: Water Demand Analysis and Dam Sizing;
- Chapter 7: Preliminary dam and water supply Dam Design;
- Chapter 8: Cost Estimates;
- Chapter 9: Environmental Assessment; and

2 Characteristics of Project Area

2.1 Project Administration

The proposed Makamini dam is located in Makamini Sub-location, Samburu Location, Kinango Sub-county of Kwale County.

2.2 Project Location and Access

The project is located at Co-ordinates 03° 58' 57.7" S, 39° 13' 57.5" E [X=525,050, Y= 9,559,709 (UTM, Arc1960, 37S)] and at a bottom valley elevation of 190.0 amsl along the confluence of Mulungunu and Vigurungani Rivers which are tributaries of Chigulu River (Changes name to Mwache downstream).

The site is located approximately 1.0km west of Makamini Shopping Centre and is accessible through Samburu-Kinagoni-Mulunguni tarmac road (20km), then Mulunguni-Makamini earth road (5.0km).

Figure 1 show distribution of 20 priority project within Kwale County among which makamimi dam is one of them while Figure 2 and 3 presents the location map (Topomap) and Satellite Imagery Map of the proposed Makamini Dam.

2.3 Current Status

The proposed Makamini dam site is a medium size valley with shrubs and other vegetation cover. The dam site area is composed of relatively stable soils and rocky foundation.

2.4 Availability of Construction Materials

Preliminary investigations of borrow sites for earthfill material nearest to the selected dam site indicate that availability of suitable soils for the construction of the main embankment and rock for construction of rock toe and upstream slope protection riprap. However, suitability test will have to be carried out to confirm the above.

2.5 Socio Economic Status

The results of the socio-economic survey reveal that communities are willing to pay for improved water services but only portions of households can afford to pay for the improved water supply. Their main dilemma is continuous water availability. Other key issues to be addressed include enhanced access of quality water and increased number and use of sanitation facilities.

It is recommended that

- The Water Master Plan should address key missing water policy issues in the existing policy documents
- The need to harness water supply efforts to attain the required water supply levels.
- Fostering sustainability of the proposed developments.
- Environmental conservation need to be part of the proposed developments.

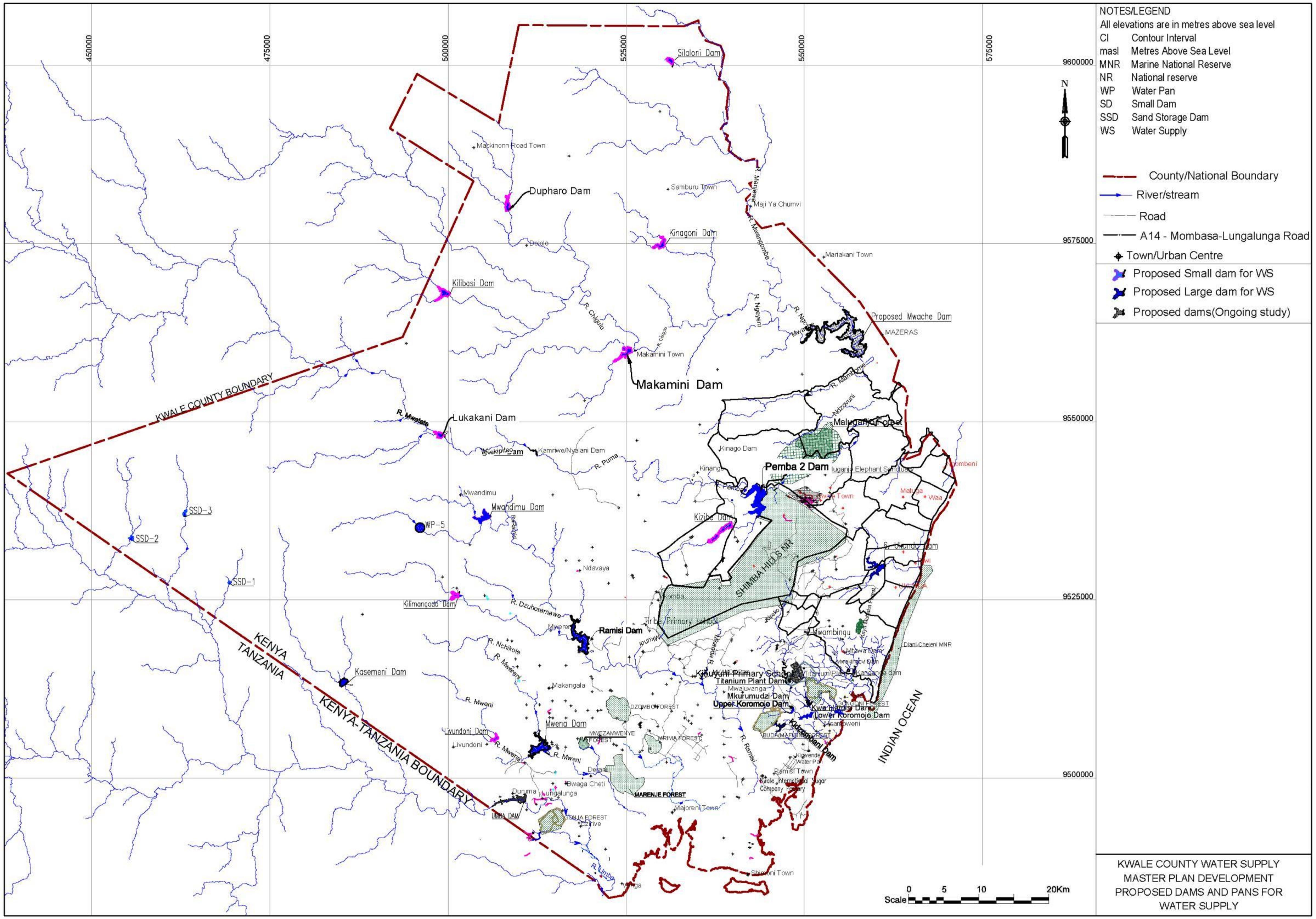


Figure 1 –location of Makamini Dam among the Priority Project Distribution within Kwale County

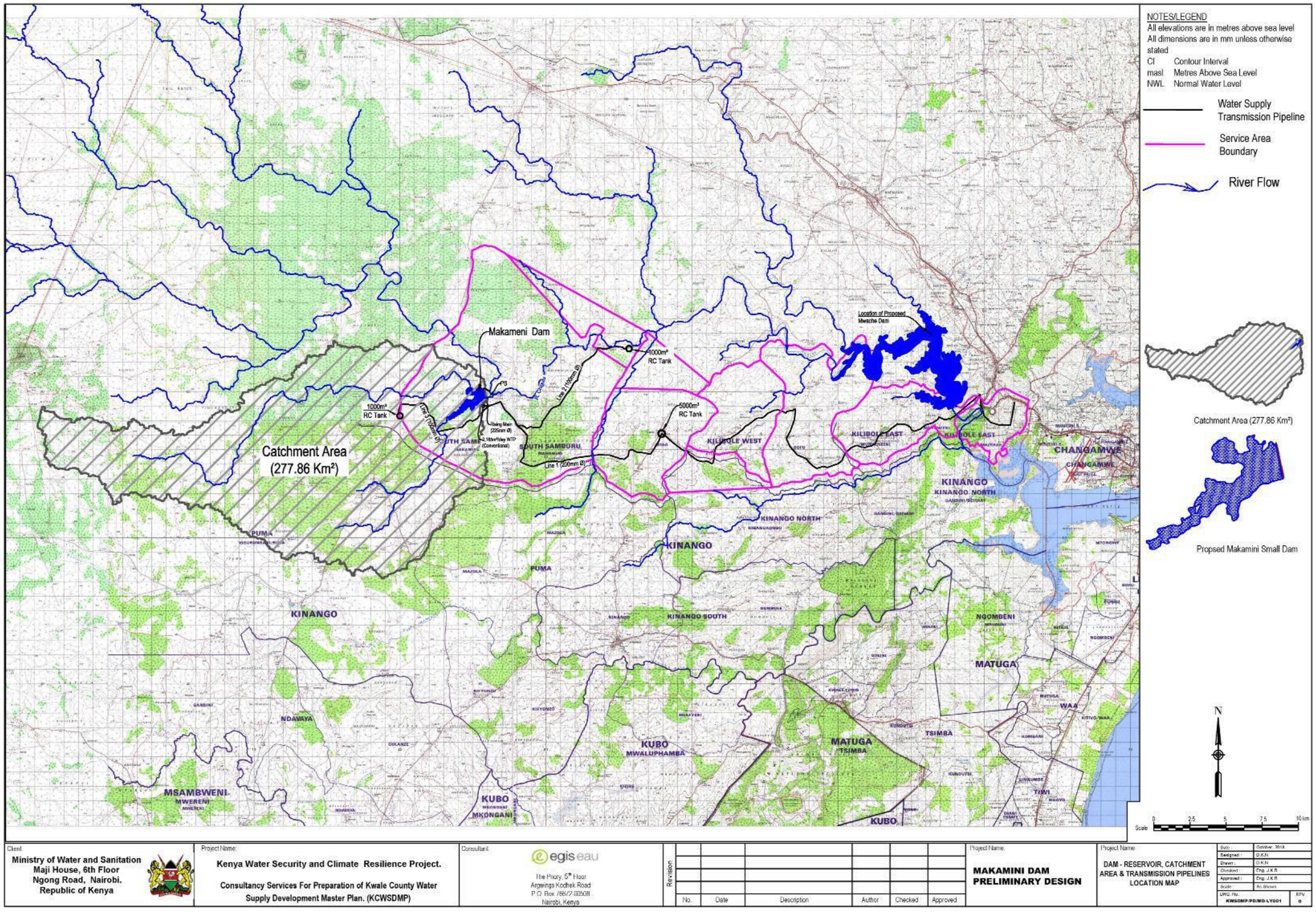


Figure 2 – Project Location Map (Topo Map)

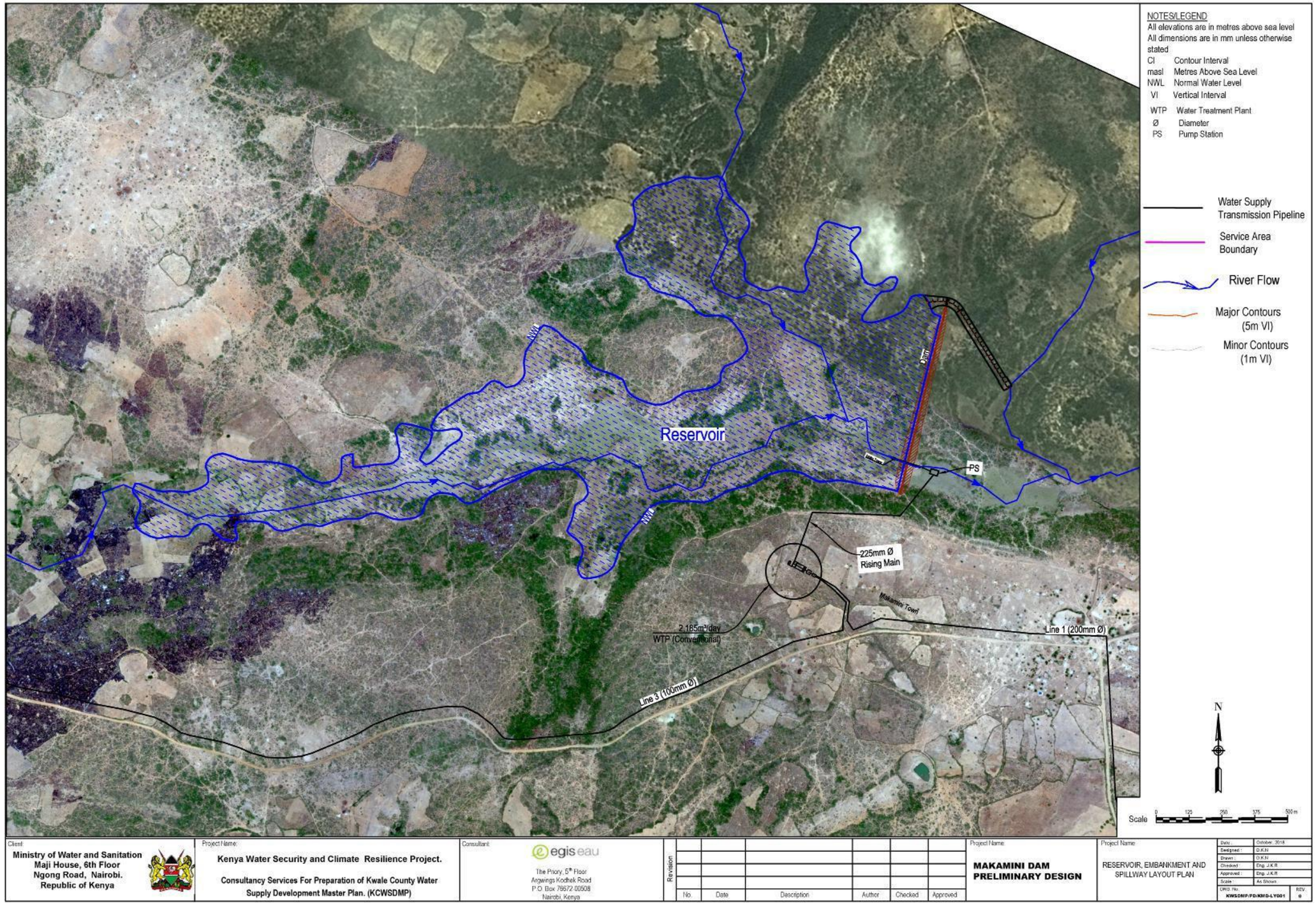


Figure 3 – Satellite Image Map of Proposed Makamini Dam

3 Topographical Surveys

3.1 Introduction

The design for construction of dam and water supply system related infrastructure requires topographical survey of the reservoir in ordered to estimate the reservoir capacity, embankment footprint to estimate earthwork volume required, the spillway to ensure proper alignment for flood discharging back into the river course and water conveyance pipelines alignment for hydraulic calculations and profiling. This requires precise location of features within sites in the three dimensions (XYZ). Establishment of survey control precisely is essential for setting out purposes during construction and maintenance purposes.

The scope of the works involved carrying out a topographical survey for the proposed Makamini embankment dam footprint and spillway areas.

3.2 Methodology

3.2.1 Site Survey Benchmarks Placing

Search was carried out on the sites to establish best location for putting survey benchmarks considering possible setting out, excavation works on embankment foundation and the site conditions for the safety of the benchmark. Two benchmarks were put at the embankment site. The benchmarks construction was done to SOK standards

The proposed Makamini site temporary bench marks (TBM) used by the Consultant Surveyors are as shown in Table 1.

Table 1 – Makamini Temporary Bench Marks

Beacon	Easting	Southings	Elevation (m.a.s.l)
	(UTM, Zone 37S, Arc1960)		
TBM#1	525,995.9	9,559,660.7	227.855
TBM#2	525,920.4	9,559,701.1	211.073

3.2.2 Site Topographical Surveys

The topographical survey was executed by observing each feature point using Real Time Kinematic (RTK) system. This was done by walking across the proposed embankment dam footprint and taking readings by observing every feature required. Each feature type surveyed was accorded a unique feature code that was recorded with the measured data; e.g., spot survey point, fence line etc. Topographical survey data was captured taking into account the expected outputs as depicted on the final drawing.

On the reservoir, the 30m SRTM DEM was acquired and tied to the embankment dam foot print survey for reservoir capacity estimation.

3.2.3 Results

The resulting data in Universal Transverse Mercator (UTM) co-ordinate system, Zone 37 South based on the Arc 1960 datum and heights reduced to mean sea level. The data was then used for Digital terrain modeling to get the dam axis profile, reservoir capacity and earthwork estimations.

The survey work was conducted based on the boundaries of the proposed dam embankment and spillway extent areas. Finally, a cross section profile and contour map of the area surveyed was prepared at 1.0 meters interval for the project area as shown if in Figure 4 and 5.

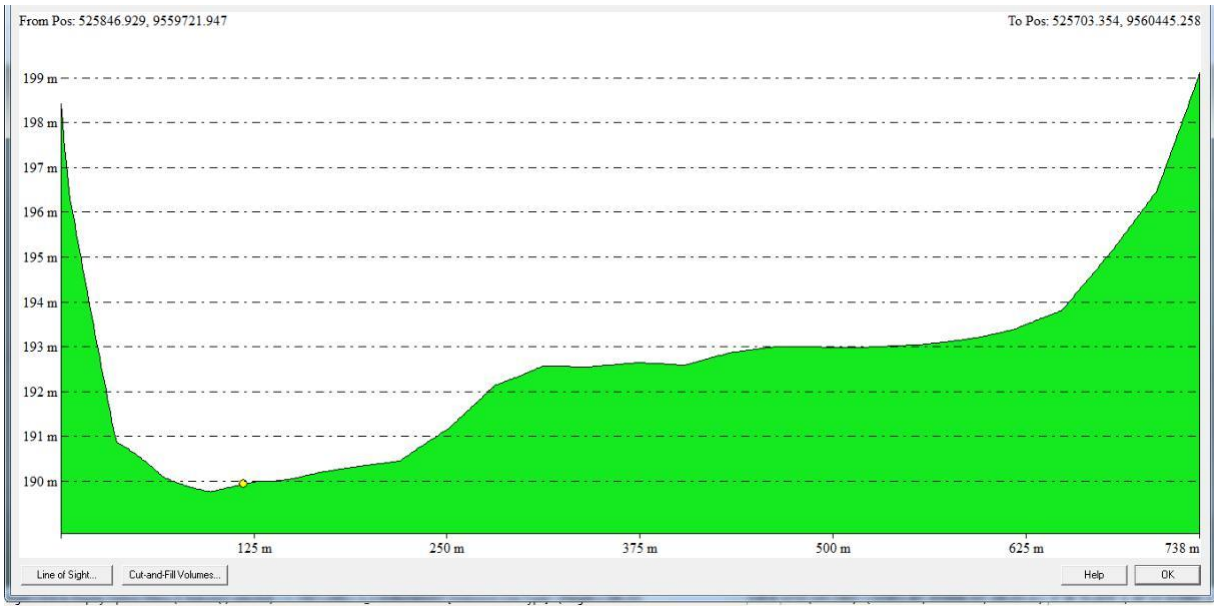


Figure 4 – Proposed Makamini Dam Cross Section.

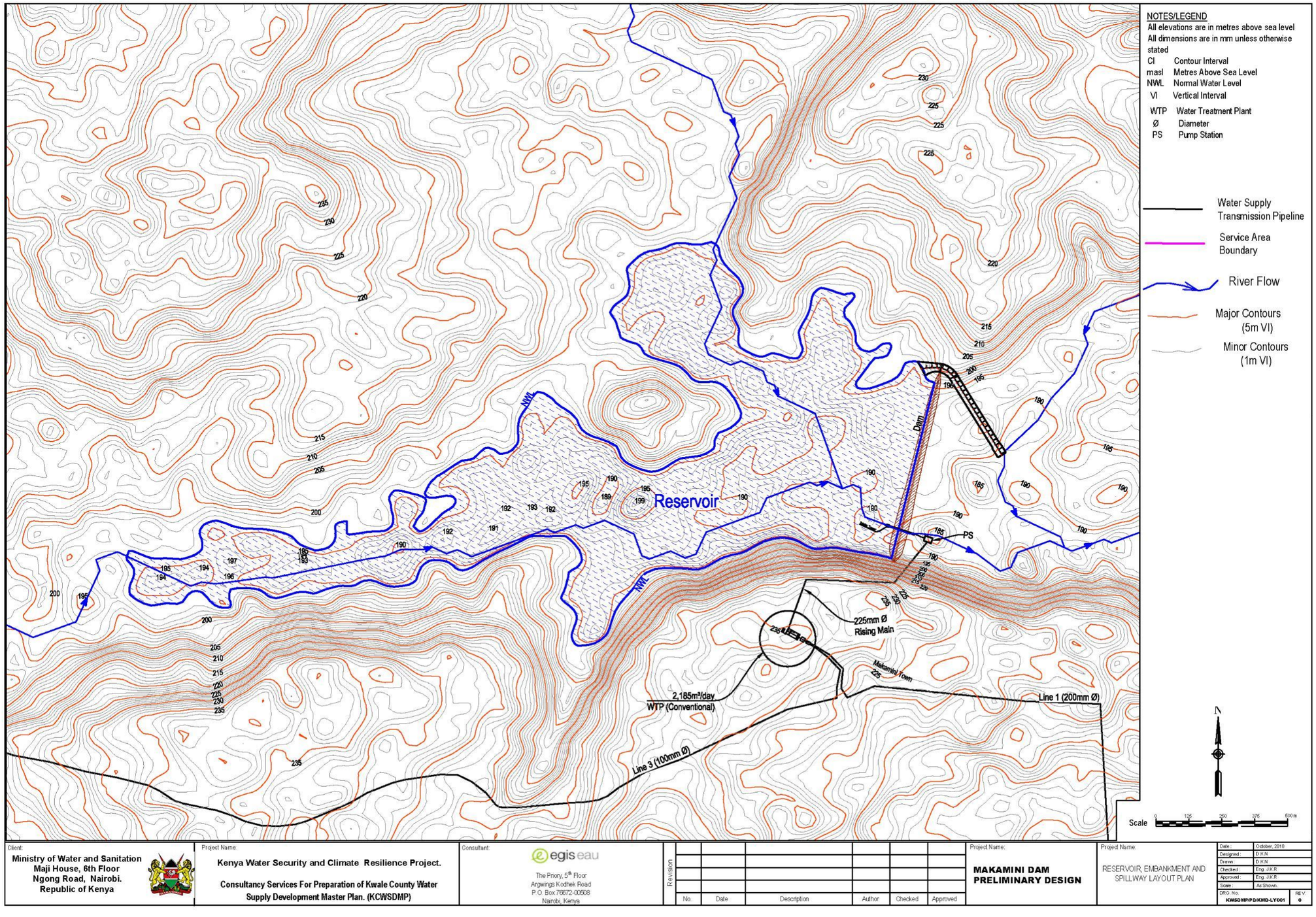


Figure 5 – Proposed Makamini Dam Contour Map

4 Hydrological Studies

4.1 Introduction

The hydrological study of the Makamini dam site, sought to evaluate the water availability to fill the proposed dam and to provide adequate water for the proposed potable water demands. Summaries of the study findings are presented in subsequent sections.

4.2 Catchment Area

A Catchment is defined as the land area that conveys runoff to the outlet during a rainstorm. A line called the water divide or watershed boundary delineates this area. The water divide also delineates the separation between two different watersheds: rain falling on one side of this line sheds to the outlet of one watershed and, conversely, rain falling on the other side sheds to the outlet of the other watershed.

The dam embankment structure as is normally the case was positioned at a catchment outlet.

The drainage system in the project area can be described as dendritic drainage, consisting of several streams from the surrounding area.

Makamini dam catchment has an area of about 277km^2. Table 2 and Figure 6 provide details of the delineated dam catchment.

Table 2 – Makamini Dam Catchment Details

S/No.	Description	Result
1	Catchment Area (Km^2)	277.20
2	Average Slope (%)	4.50
3	Vegetation Cover condition	Agriculture Sparse

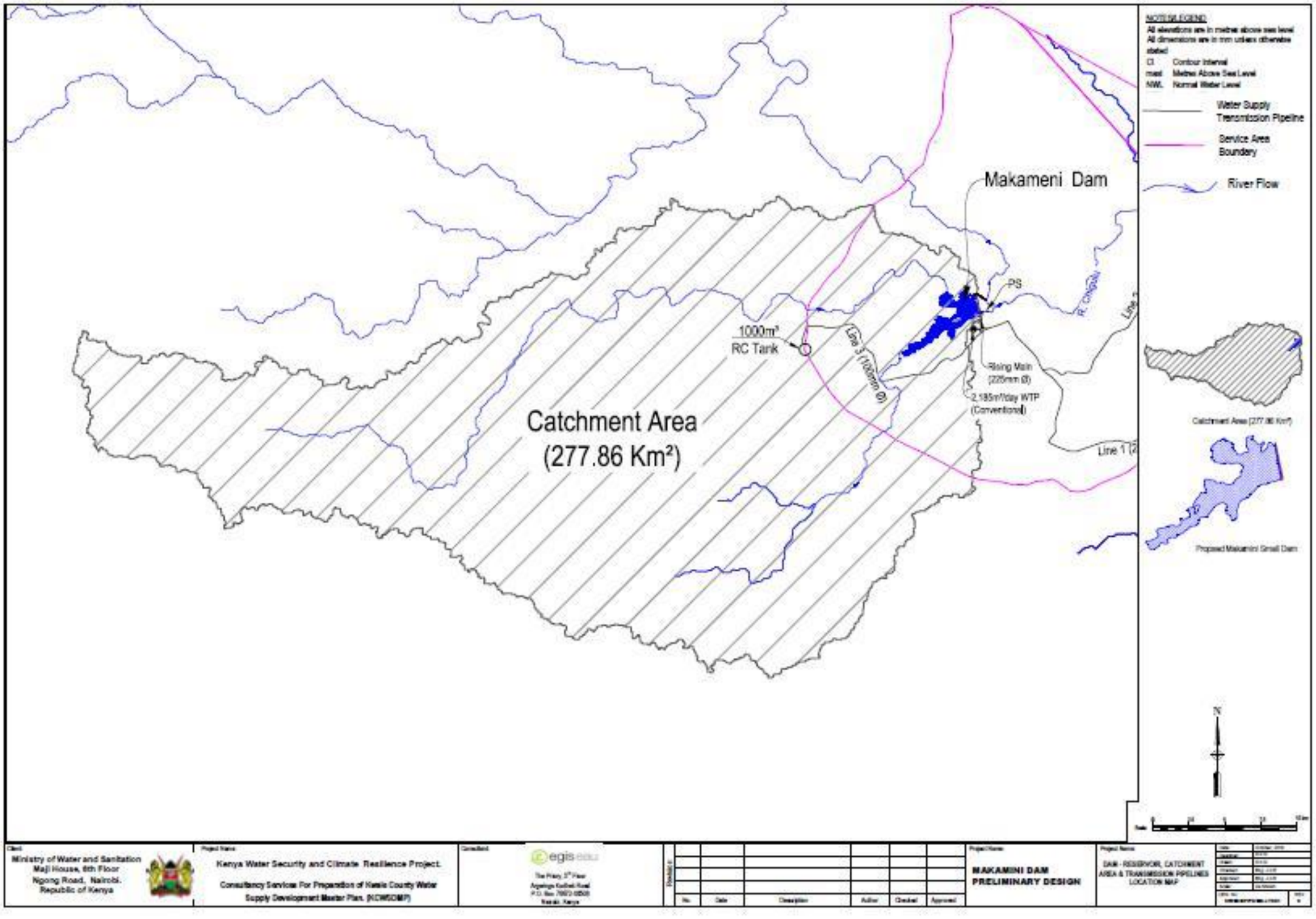


Figure 6 – Makamini Dam Catchment Area Map

4.3 Climate and Weather Condition

The project site is closest to Kwale Makamini-G station whose climates are considered to be similar. See Table 3 for summary Climatic condition based on the Kwale Makamini-G station which is a representative of the project area.

Table 3 – Climatic Data for Kwale Makamini-G Meteorological Station

Month	Min Temp	Max Temp	Humidity	Wind	Sun	Rad	ETo
	°C	°C	%	km/day	hours	MJ/m²/day	mm/day
January	23.2	32	85	389	8.6	22.7	4.94
February	23.6	32.4	84	389	9.2	24.1	5.29
March	24.2	32.7	86	346	9.1	23.8	5.15
April	23.7	31.2	90	380	7.4	20.1	4.13
May	22.6	29.2	92	432	6.6	17.6	3.35
June	21.2	28.5	91	432	7.5	18.1	3.35
July	20.2	27.7	91	423	6.9	17.6	3.2
August	20.2	28	94	423	7.9	20.2	3.34
September	20.7	28.8	90	423	8.3	22	4
October	22	29.7	90	380	8.5	22.8	4.26
November	23	30.6	90	337	9.1	23.5	4.5
December	23.2	31.6	89	346	8.9	22.9	4.61
Average	**22.3**	**30.2**	**89**	**392**	**8.2**	**21.3**	**4.18**

4.3.1 Temperature

Temperatures are highest in the months January to March. Annual mean daily minimum and maximum temperatures are 22.3 to 30.2°C respectively.

4.3.2 Relative Humidity

The monthly average relative humidity is 89 % and it ranges between 84 and 94%. Lowest relative humidity is experienced in the month of February and the highest in August.

4.3.3 Wind

The maximum and minimum speeds are 337 m/s and 432 km/day in November and May/June respectively while the average monthly wind speed is 392 Km/day.

4.3.4 Sunshine

Average sunshine hours are 8.2 hours and ranges from 6.9 in July to 9.2 in February.

4.3.5 Solar Radiation

Average monthly solar radiation is 21.3 MJ/m²/day and varies between 17.6 MJ/m²/day in May & July to 24.1 MJ/m²/day in February.

4.3.6 Evaporation

There is no reference data on evaporation for Makamini area. However, based on Proposed Mwache dam hydrological analysis, 7mm/day is recommended

4.3.7 Evapotranspiration

Potential evaporation is approximately 1522 mm per year and these losses are exacerbated by frequent high winds in the area.

4.3.8 Rainfall

The rainfall pattern is bi-modal with two rainy seasons annually. The long rains are experienced from mid-March to June while the short rains occur from mid-October to mid-December. The mean annual rainfall is 684 mm. August and September are the driest months, with averages of less than 40 mm.

Table 4 presents the Rainfall data for Kwale Makamimi-G Meteorological station which is a representative of the project area.

Table 4 – Rainfall Data for Kwale, Makamini-G Station

Month	Rain (mm)
January	37
February	34
March	54
April	110
May	83
June	27
July	41
August	35
September	27
October	60
November	123
December	53
Total	**684**

4.3.9 Rainfall Data Analysis

Water availability evaluation for dam hydrology was done based on point rainfall data obtained from rainfall station near the proposed dam site. The data was analyzed for purposes of determining the annual catchment yield in the dam site as summarized in the sections below.

(a) Areal Rainfall

Areal rainfall for the dam site was determined from the point rainfall data by applying an area reduction or multiplier factor obtained from the Transport and Road Research Laboratory (TRRL) as shown below.

$$ARF = 1 - 0.044A^{0.275}$$

Where; A is the catchment area in km^2 = **277.20** km^2 for the Dam catchment (Ref Figure-5) **ARF** = **0.793** (the Area Reduction Factor),

The area reduction factor has been used to compute the mean monthly rainfall at the dam site. **Table 5 – Mean Monthly and Annual Areal Rainfall at Makamini Dam Site**

Month	Rain (mm)	Monthly Areal Rainfall at Dam Ssite (mm)
January	37	29.4
February	34	27
March	54	42.8
April	110	87.3
May	83	65.8
June	27	21.4
July	41	32.5
August	35	27.8
September	27	21.4
October	60	47.6
November	123	97.6
December	53	42
Total	**684**	**542.6**
Mean	**57**	**45.22**

(b) Temporal Distribution of Rainfall

Rainfall distribution in Makamini dam catchment exhibits a bimodal nature with peaks in April and November.

(c) Areal Probabilistic Rainfall

The rainfall frequency for the project area depends on the season. It is high during the long rains and low during the short rains season.

(d) Probable Maximum Precipitation (PMP)

The probable maximum precipitation is defined as the greatest or extreme rainfall for a given duration that is physically possible over a station or basin. From the operational point of view, PMP can be defined as that rainfall over a basin which would produce a flood flow with virtually no risk of being exceeded.

PMP for any part of Kenya can be obtained from; PMP Isohyetal map of probable maximum precipitation, Obasi and Nimira, 1977. For Makamini sub-basin, it was estimated to **be PMP = 150mm.**

4.3.10 Runoff and Annual catchment Yield Analysis

(a) Runoff Coefficients

The design of water harvesting schemes requires the knowledge of the quantity of runoff to be produced by rainstorms in a given catchment area. It is commonly assumed that the quantity (volume) of runoff is a proportion (percentage) of the rainfall depth.

Runoff [mm] = K x Rainfall depth [mm]

An analysis of the rainfall-runoff relationship and subsequently an assessment of relevant runoff coefficients should best be based on actual, simultaneous measurements of both rainfall and runoff in the project area.

The runoff coefficient from an individual rainstorm is defined as runoff divided by the corresponding rainfall both expressed as depth over catchment area (mm):

$$K = \frac{\text{Runoff [mm]}}{\text{Rainfall [mm]}}$$

Runoff coefficient for the project area was estimated from the dam catchment characteristics. The catchment for the proposed dam site can be described as Undulating (4.50% slope), Sand & Gravel 0.04 and farmland. A runoff coefficient k= 0.23, was thus adopted.

Table 6 – Runoff Coefficients Guidelines

RUNOFF COEFFICIENT $C = C_S + C_K + C_V$					
C_S (Topography)		C_K (Soils)		C_V (Vegetation)	
Very Flat <1%	0.03	Sand & Gravel	0.04	Forest	0.04
Undulating 1-10%	0.08	Sandy Clays	0.08	Farmland	0.11
Hilly 10-20%	0.16	Clay & Loam	0.16	Grassland	0.21
Mountainous >20%	0.26	Sheet Rock	0.26	No Vegetation	0.28

The computed runoff based on the mean monthly rainfall at the Makamini dam site is shown in Table 7. **Table 7 – Mean Monthly Runoff Computations**

Month	Monthly Rainfall (mm)	Monthly Areal Rainfall at Dam Site (mm)	K Coefficient	Mean Monthly Runoff (mm)
January	37	29.4	0.23	6.76
February	34	27	0.23	6.21
March	54	42.8	0.23	9.84
April	110	87.3	0.23	20.08
May	83	65.8	0.23	15.13
June	27	21.4	0.23	4.92
July	41	32.5	0.23	7.48
August	35	27.8	0.23	6.39
September	27	21.4	0.23	4.92
October	60	47.6	0.23	10.95
November	123	97.6	0.23	22.45
December	53	42	0.23	9.66
Total	**684**	**542.6**		**124.80**

(b) Annual Runoff (Catchment Yield)

The annual runoff or catchment yield, 'Y', is based on the expected annual runoff from a catchment. It is an important factor as it allows the dam designer to size the dam to suit expected inflow. It also helps in estimating the available water resources and thus guides the area extents for required uses such as domestic and irrigation water supply.

Catchment yield in an average year 'Y' for selected Makamini dam was estimated as follows:

Y = Rr x A x 1000

Where:

Y is the mean annual runoff (catchment yield) m^3

Rr is the annual runoff (mm) (124.80 mm)

A is the catchment area (277.20km^2)

Thus;

Y = 124.8 x 277.20 x 1000

= 34,594,005.60 m^3/year

About 34.59 MCM

4.3.11 Net Evaporation from the Reservoir

The potential annual evaporation Eo for the project area was estimated using the standard pan method and ETo data from Makamini-G Station. The resultant potential open pan evaporation ETo = 1,522.02 mm. Correcting this by a pan factor of 0.75; the resultant annual reservoir evaporation is estimated as 2,029.4 mm.

Assuming a 38.81 ha reservoir area, the potential annual net evaporation from the reservoir is estimated at 0.992 MCM.

5 Geological Investigation

5.1 Introduction

This section presents the factual and interpretative report of ground geophysical surveys conducted at proposed Makamini dam sites. An interpreted cross section is provided for the dam site on an approximate natural ground profile of the dam axis. A full set of the 2D images acquired at the site is also provided in Annex 1.

The scope of the services included:

- 2D resistivity survey of dam site including interpretation of the lithology and strata thickness.
- In addition to the 2D resistivity survey, the consultant performed trial pits digging and logging on each site.

5.2 Methodology

Geo-electric sections were acquired along the dam axis, with electrodes set at a spacing of 3m to provide high resolution imaging that could provide information to within at least 5m of the surface. The sections had an overlap of 10m between successive sections to provide better continuity with no information gap. This approach was selected over the continuous single-image roll-along method because it would allow faster output and more economical with no information getting lost. Data was acquired with an overlap of 10m between successive images to provide continuity. Detailed images are included in the appendix for clarity.

5.3 Soil description

Makamini dam is located in the south of Taru with shale being the major rock unit within the area. Surficial sediments consist majorly residual black cotton soil thicker more than 2.0m .This residual gritty clay is stiff on the surface but become loose with depth.

5.4 2D Resistivity Survey

The 2D resistivity survey of Makamini dam site, interpretation of the lithology and strata thickness were carried out. Figure 7 and 8 present the ERT profile and Geological Interpretation of the ERT profile respectively.

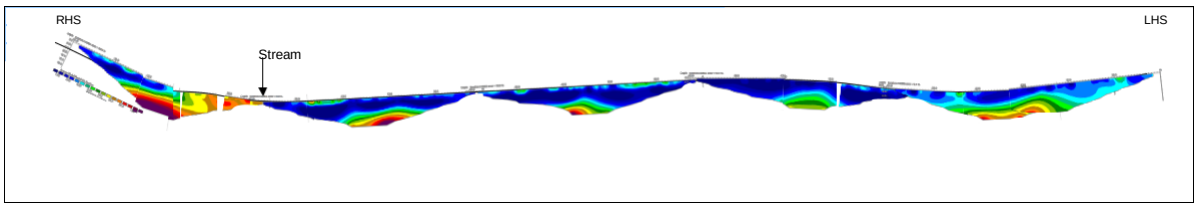


Figure 7 – ERT Profile of Proposed Makamini Dam Axis

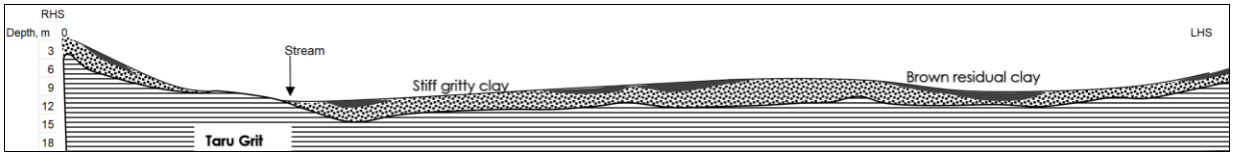


Figure 8 – Geological Interpretation of ERT Profile, Makamini

5.5 Trial Pits (TP) Data

Two trial pits were made on either side of the river at GR X 4525835, Y95559808 and GR X 525739, Y9560280 all datum ARC 1960. The logs are as in Table 8.

Table 8 – Trial Pits, Makamini Dam Site

TP-1		TP-2	
0 – 0.5m	Dark brown residual clay	0 – 1.0m	Gritty clay
0.5 – 1.5m	Stiff Gritty clay with whitish grit	1.0 - 2.0m	Clay
1.5 - 2.0m	Loose dry residual clay with white grits		

It is apparent that the dam axis lies on approximately 8 meters of residual soils and colluvium from shale. The weathered rock is found at around 2 m below ground level on right bank but on the reservoir found at 9m below ground level.

Figure 9 – Trial pits showing the grey gritty soils in the area

5.6 Conclusion

In the proposed dam site, the stripping depth was determined by the above methodology to not exceed 2 m. Hence, the site by preliminary analysis is suited to earth dams.

6 Water Demand Analysis and Dam Sizing

6.1 Annual Potable Water Demands

Makamini dam is being developed to provide potable water demands to several sub-locations within Kinango Sub-County (Division). Potable water demand projections were made as per the TOR which sets the ultimate year at 2035. The calculated water demand estimates and allocations for the ultimate year demands are as presented in Table 9 for service areas.

Table 9 – Potable Water Demand Estimates for Makamini Dam Service Area.

Sub-Location	Ward	Centre Type	Area	Percentage Area Served	Potable Water Demands, 2035 (m^3/day)	Design PWD, 2035, (m^3/day)
Mtaa	Kasemeni/ Vanga	Rural	42.93	98%	258.36	253.78
Makamini	Mackinnon Road	Rural	151.72	100%	220.11	220.11
Kinagoni	Chengoni/ Samburu	Rural	18.31	17%	722.80	125.83
Matumbi	Mwavumbo	Rural	13.49	19%	237.76	45.11
Bofu	Kasemeni/ Vanga	Rural	51.57	92%	325.05	300.43
Mabesheni	Kasemeni/ Vanga	Rural	31.41	98%	125.70	123.78
Mnyenzeni	Kasemeni/ Vanga	Rural	32.00	100%	665.73	665.73
Mwamdudu	Kasemeni	Rural	14.75	92%	251.80	230.62
Kibandaongo	Kinango	Rural	14.70	16%	275.90	44.63
Total			42.93			**2010.01**

The total potable water demands required from Makamini dam is 2010. m^3/day. The summary of monthly and annual water demands for each service area are presented in Table 10.

Table 10 – Summary of Monthly and Annual Total Water Demand for Makamini Service Area, 2035 Ultimate Demands.

Month	Ultimate Potable Water demand (Mm^3)
January	0.062
February	0.056
March	0.062
April	0.06
May	0.062
June	0.06
July	0.062
August	0.062
September	0.06
October	0.062
November	0.06
December	0.062
TOTAL	**0.734**

6.2 Water Losses from Reservoir

The anticipated water losses for the impounded water in the reservoir were estimated to include the following:

a) Evaporation
b) Environmental flows
c) Seepage

6.2.1 Gross Evaporation for Makamini Reservoir

Considering an average of 388,140 m^2 reservoir area at mid-depth and an open water evaporation rate of 7.0mm/day, the potential annual evaporation from the reservoir is estimated at 0.992 MCM which is 3.02% of the catchment average potential yield. Table 11 presents the monthly net evaporation from Makamini reservoir

Table 11 – Monthly Gross Evaporation from Makamini Reservoir

Month	Evaporation (Mm^3)
January	0.084
February	0.076
March	0.084
April	0.082
May	0.084

Month	Evaporation (Mm^3)
June	0.082
July	0.084
August	0.084
September	0.082
October	0.084
November	0.082
December	0.084
TOTAL	**0.992**

6.2.2 Environmental Flows for Makamini Reservoir

Considering a Q_{95} of 0.0006 m^3/sec, the total environmental flows was estimated at 0.02 MCM.

6.2.3 Seepage Calculation

Based on the Typical section flow net, the seepage per meter run was calculated using Darcy's law ***(q=KiA)***, represented as:

Where:

q = Seepage (m^3/sec/m run of dam embankment)

H = Height of water at that particular section, causing flow

N_f = Total No. of flow channels in the flow net.

N_d = Total No. of potential drops in the flow net.

K = Permeability of the Core (approx. 1.93e-7 m/s)

The seepage through the dam is estimated at 1,888.50 m^3/Year ≈ 0.0019 Mm^3/Year.

6.2.4 Water Treatment Plant and Transmission Losses

To cater for the variation in seasonal water consumption requirements the treatment plant has to meet the water demand for the peak day in the year. A daily peak factor of 1.1 has been used in Ministry of Water schemes of similar magnitude and is adopted for Kwale County Water Supply Systems.

Losses due to backwashing on treatment plants using rapid sand filters are normally in the range of 1 to 6% of the treated water. The Ministry of Water and Sanitation however requires a sand bed expansion of between 40 and 50% necessitating high backwash rates. For this reason and to allow for other utility water at the treatment plant an allowance of 10% for the losses at the treatment plant have been made.

To allow for leakages in the distribution system particularly towards the end of the design period an allowance of 20% is incorporated into the design.

6.3 Total Outflow

The Total outflow from the Makamini dam is the sum of all water demands, calculated as shown in equation below:

Total outflow =	*Water Demands +*	*Evaporation demands +*	*Environmental flow +*	*Seepage flow*
	(Table 10)	*(Table 11)*	*(Section 6.2.2)*	*(Section 6.2.2)*

6.4 Silt Load Calculations

The quantity of sediment transported in a river/stream depends on many factors that include the rate of erosion within the catchment area, sediment deposition within the catchment, and flow conditions in the water course. The rate of erosion of a catchment may vary from flood to flood, with variations in rainfall intensity, soil condition, and vegetal development.

A representative figure of 541 tonnes/km^2/year for the sediment yield of catchments in Kwale County was adopted as recommended by the Mwache dam hydrology study.

The reservoir trap efficiency is a function of the ratio of reservoir capacity to total inflow from the contributing catchment. Hence, the trap efficiency of a reservoir decreases with age as the reservoir capacity is reduced by sediment accumulation. Figure 10 for Makamini has been used to estimate the percentage of the annual sediment load which the reservoir will trap.

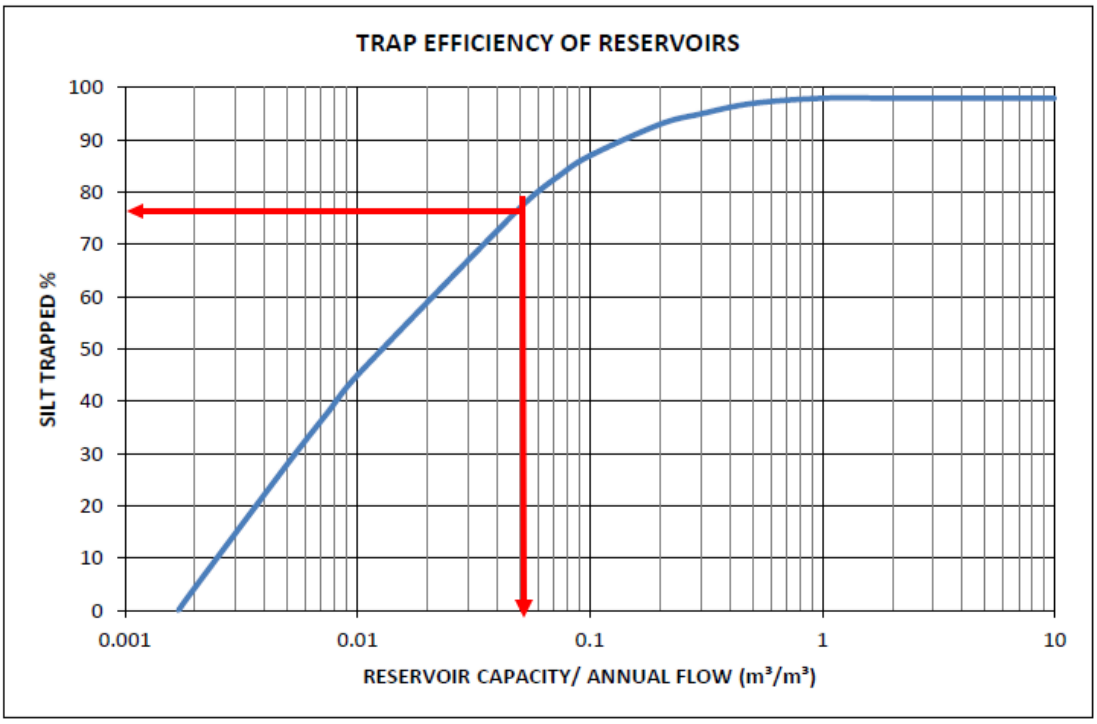


Figure 10 – Makamini Reservoir Trap Efficiency

For the proposed Makamini dam, it is classified to have Low erosion rate since most of the area is covered by vegetation with relatively high ground coverage. Therefore, the trap efficiency and sediment yield are calculated as in Table 12.

Table 12 – Makamini Dam Trap Efficiency Calculation

Description	Value	Unit/ Comment
Reservoir Storage Capacity	4,204,534	m^3
Reservoir Storage Capacity	4.20	Mm^3
Average Annual Flow	91.50	Mm^3
Reservoir Capacity / Annual Flow (Mm^3/Mm^3)	0.05	Read the value from Figure 10

6.5 Estimation of Sediment Volume

The estimated dead storage capacity for Makamini Dam is 1.443 Mm^3 over a design life of 30 years. **Table 13 – Estimated Sediment Yields for Makamini Dam**

Sediment load	541	Tonnes/km^2/year
Catchment Area	**277.86**	Km^2
mass of SD load per year	149,974	Tonnes/year
Sediment density	1,200	Kg/m^3
mass of SD load per year	124,978	m^3/yr
Design life	**30**	Years
Sediment volume over design life	3,749,341	m^3
Transfer factor	**50%**	%
Sediment	1,874,670	m^3
Reservoir Trap Efficiency	**77%**	From Figure 10
Sediment Volume	1,443,496	m^3
Sediment Volume	1.443	Mm^3

6.6 Safe Yield (Makamini Dam)

The estimated safe yield for Makamini Dam is approximately 4,788.45 m^3/day and has been determined as presented in Table14.

Table 14 – Safe Yield for Makamini Dam

Description	Quantity	Units
Reservoir Capacity	4.20	Mm^3
Dead Storage	1.44	Mm^3
Evaporation	0.99	Mm^3
Environmental Flow	0.02	Mm^3
Seepage	0.00	Mm^3
Net storage	1.75	Mm^3
Safe Yield	0.0048	Mm^3
Safe Yield	4,788.45	m^3/day

6.7 Makamini Dam Annual Analysis Summary

The gross storage capacity of the proposed Makamini dam has been sized as per the following equation:

Dam Size = Total Outflow (Table 15) + Sediment Storage (Table 13)

The dam has been size to store the total outflow for 1 year and a dead storage to store sediments for 30 year. Table 15 present summary of Makamini dam sizing analysis.

It can be concluded that the proposed capacity for Makamini Dam can adequately provide ultimate (2035) potable water demands for proposed service area and other requirements including evaporation, environmental flow and seepage.

Table 15 – Makamini Dam Sizing Summary Analysis

Month	Ultimate Potable Water Demand (Mm^3)	Irrigation Water Demand (Mm3)	Evaporation (Mm3)	Environmental Flow (Mm3)	Seepage	Transmission & Other Losses (40% Of Water Demands)	Total Outflow (Mm3)	Sediment Storage	Dam Size (Demand + Sediment Storage)
January	0.062	0.00	0.084	0.001670	0.00016	0.025	0.173	0.120	0.294
February	0.056	0.00	0.076	0.001509	0.00014	0.023	0.157	0.120	0.277
March	0.062	0.00	0.084	0.001670	0.00016	0.025	0.173	0.120	0.294
April	0.060	0.00	0.082	0.001616	0.00016	0.024	0.168	0.120	0.288
May	0.062	0.00	0.084	0.001670	0.00016	0.025	0.173	0.120	0.294
June	0.060	0.00	0.082	0.001616	0.00016	0.024	0.168	0.120	0.288
July	0.062	0.00	0.084	0.001670	0.00016	0.025	0.173	0.120	0.294
August	0.062	0.00	0.084	0.001670	0.00016	0.025	0.173	0.120	0.294
September	0.060	0.00	0.082	0.001616	0.00016	0.024	0.168	0.120	0.288
October	0.062	0.00	0.084	0.001670	0.00016	0.025	0.173	0.120	0.294
November	0.060	0.00	0.082	0.001616	0.00016	0.024	0.168	0.120	0.288
December	0.062	0.00	0.084	0.001670	0.00016	0.025	0.173	0.120	0.294
TOTAL	**0.734**	**0.00**	**0.992**	**0.020**	**0.0019**	**0.29**	**2.04**	**1.443**	**3.48**

7 Dam and Water Supply Preliminary Design

7.1 Dam Design

7.1.1 Depth-Area-Capacity Curves for Makamini Dam

The storage capacity of the reservoir for the selected Makamini dam has been computed from the topographical data with contour intervals of 1 m. Areas of successive contours were calculated, and the corresponding volumes of water have been established. Summation of water volumes for all the successive contours gives the total cumulative storage capacity of the reservoir. The resultant Depth - Area - Capacity Curve has been developed as shown in Table 16 and Figure 11.

Table 16 –Selected Makamini Dam Axis Depth – Area - Capacity Curves data

Contour Elevation	Water Depth	Reservoir Surface Area	Incremental Storage Volume	Gross Cumulative Storage Capacity	Remarks/ Crest Length
(m-asl)	(m)	(m^2)	(m^3)	(m^3)	(m)
190	0	2,792.25	0	0	76.00
191	1	269,635.50	136,213.87	136,213.87	201.00
192	2	388,140.01	328,887.75	465,101.63	247.80
193	3	579,990.66	484,065.34	949,166.96	440.50
194	4	945,825.85	762,908.26	1,712,075.22	633.70
195	5	1,248,657.51	1,097,241.68	2,809,316.90	665.00
196	**6**	**1,541,776.95**	**1,395,217.23**	**4,204,534.13**	**NWL = 690.00**
197	7	1,844,891.32	1,693,334.13	5,897,868.26	709.80
198	8	2,249,306.82	2,047,099.07	7,944,967.34	724.00
199	**9**	**2,576,343.15**	**2,412,824.99**	**10,357,792.32**	**CL = 737.50**
200	10	3,097,473.32	2,836,908.24	13,194,700.56	750.00
201	11	3,443,887.14	3,270,680.23	16,465,380.78	767.20
202	12	3,762,388.74	3,603,137.94	20,068,518.72	793.00
203	13	4,168,750.69	3,965,569.71	24,034,088.43	859.30
204	14	4,565,408.84	4,367,079.76	28,401,168.20	882.30

Key:

NWL – Normal Water Level
CL – Crest Level

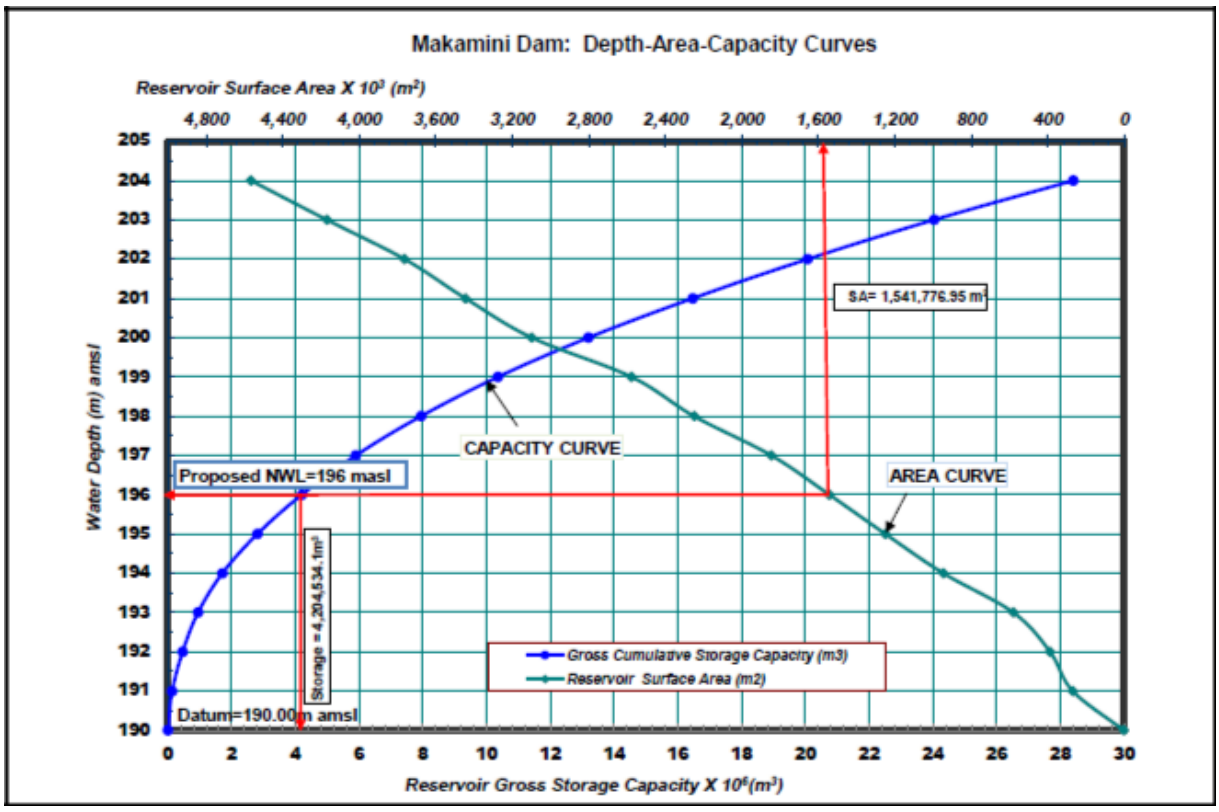


Figure 11 – Depth-Area-Capacity Curves Chart for Makamini Dam Site Axis

From the table and figures of the reservoir characteristics of the proposed dam, the salient features for Makamini Dam with a target storage capacity of ***4,204,534*** **m^3** are as follows:

- Proposed Normal Water Level = 196.00m amsl – Spillway Crest Level
- Embankment Crest Level = 199.00 m amsl – Gross Freeboard = 5.0m
- Draw-off Invert Level = 190.00 m amsl – Bottom Outlet upstream IL
- Dam Height =9.00 m, Reservoir Depth = 6.00m
- Dead Storage (30 Year design life) @ 541 tonnes/Km^2/year Catchment Area (CA) per year
- CA= 277.20 km^2,

7.1.2 Dam Height, Crest Length and Width

The crest of the proposed Dam will be on elevation 199.00 masl with the bed at 190.00 masl thereby giving a 9.0m high embankment. The dam embankment will have a crest length of about 737.50m and a crest width of 6.0m.

The proposed typical embankment section is as presented on Figure 12 below.

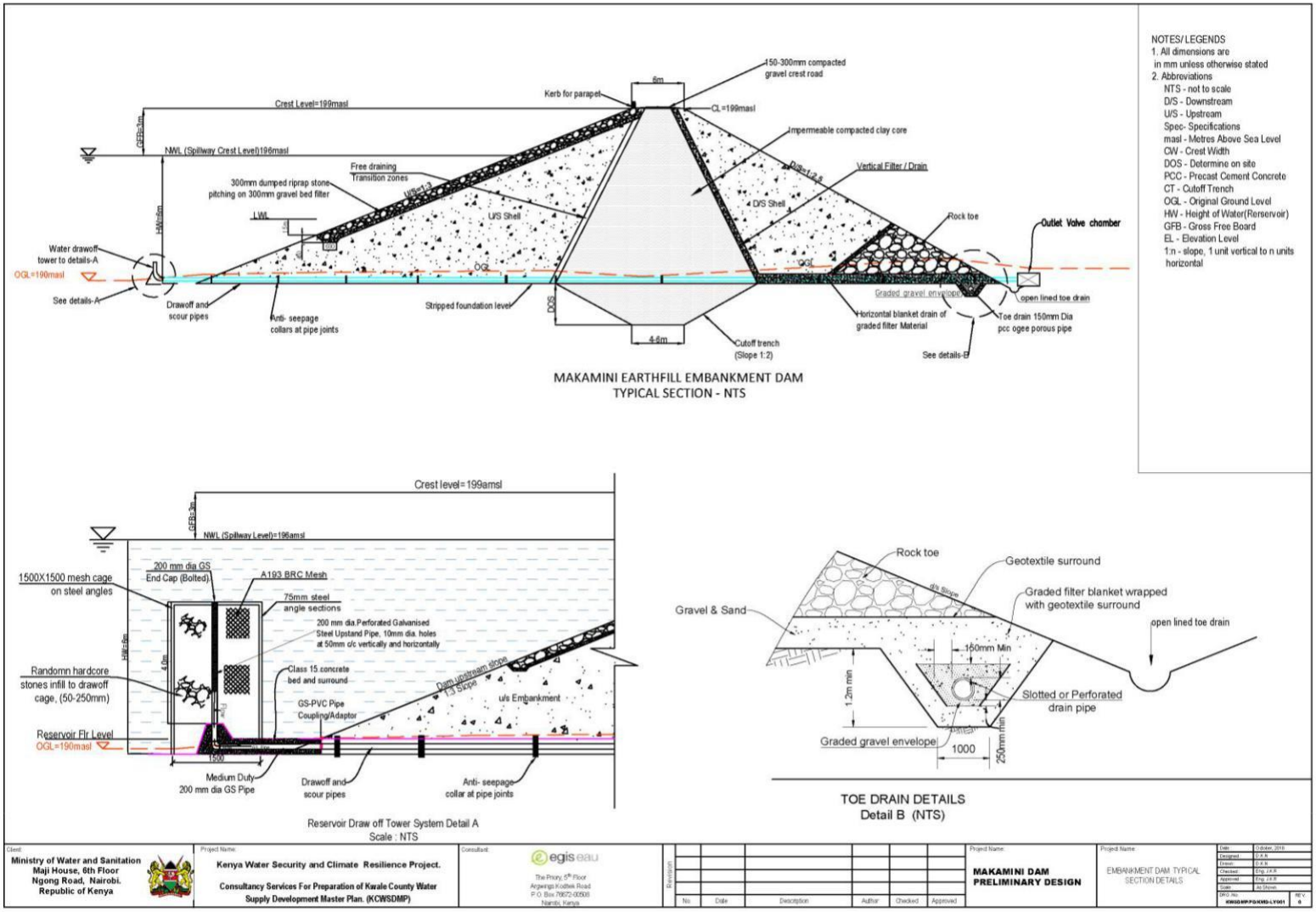


Figure 12 – Typical Dam Embankment cross section

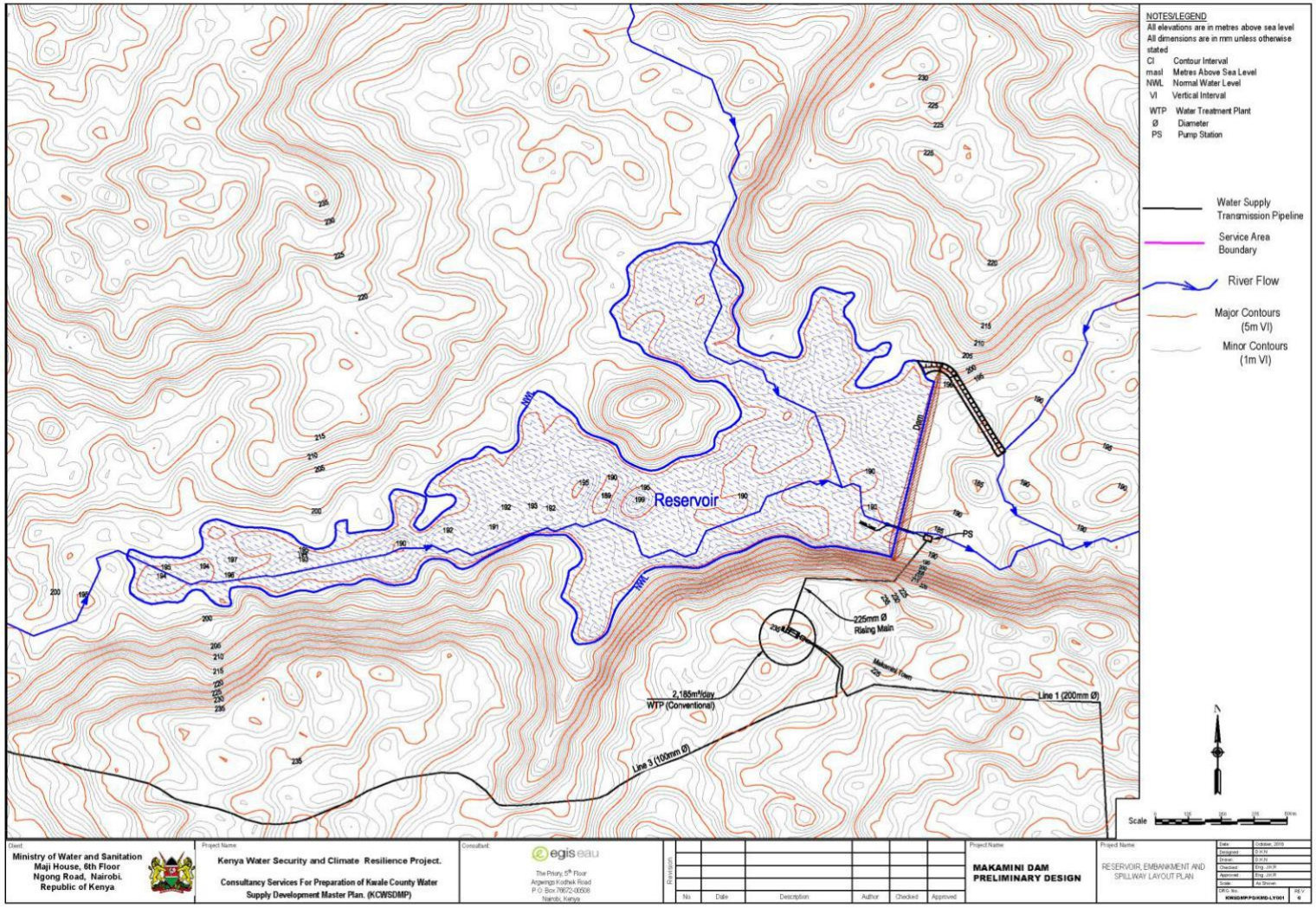


Figure 13 – Conceptual Dam Layout

7.1.3 Embankment Volumes

The embankment volume for Makamini dam has been estimated by slicing the embankment wall along the axis into sections and the volumes are calculated for each successive section along the axis and then summed up to give the total embankment volume of the fill material. The resulting embankment volume for the proposed dam is about **303,810 m^3** of fill material including the 1.5m strip foundation fill and core trench fill.

7.1.4 Storage Coefficient of the site

The storage coefficient (SC) of the site is the ratio of the volume of fill material to the volume of the water stored in the reservoir. These ratios are defined as follows:

- Below 3 Poor sites
- 3 to 8 Fair sites
- 8 to 15 Moderate good sites
- Above 15 Extremely good sites

In the case of proposed Makamini Dam, this ratio is calculated as follows:

Makamini Dam

$$SC = \frac{storage}{fillvolume}$$

$$SC = \frac{4,204,534.13}{303,806}$$

$$SC = 13.84$$

As per the above description, this ratio represents a moderately good site whereby the unit cost of water will be moderately low.

7.2 Water Treatment, Storage and Transmission Design Criteria

7.2.1 Design Capacities

The ultimate year (2035) design capacity have been used for sizing of the WTPs and are based on estimated ultimate potable water demand for each service area taking into account the daily peak and losses in the treatment and transmission lines. The ultimate potable water demands included: Domestic demand, Institutional, Commercial and Livestock demands.

Table 17 presents the Water treatment design capacities for proposed water supply projects within Kwale County.

Table 17 – Estimated WTP Design Capacities

Dam Ref.	Estimated Ultimate water demand (m^3/day)	WTP Design Capacities (m^3/day)	Treatment Plant Type
Makamini Dam	2,010	2,815	Conventional

7.2.2 Water Treatment Plants

Conventional treatment system has been recommended with a full treatment system component of flocculation, sedimentation and filtration. Figure 14 illustrates a schematic of a conventional water treatment processes

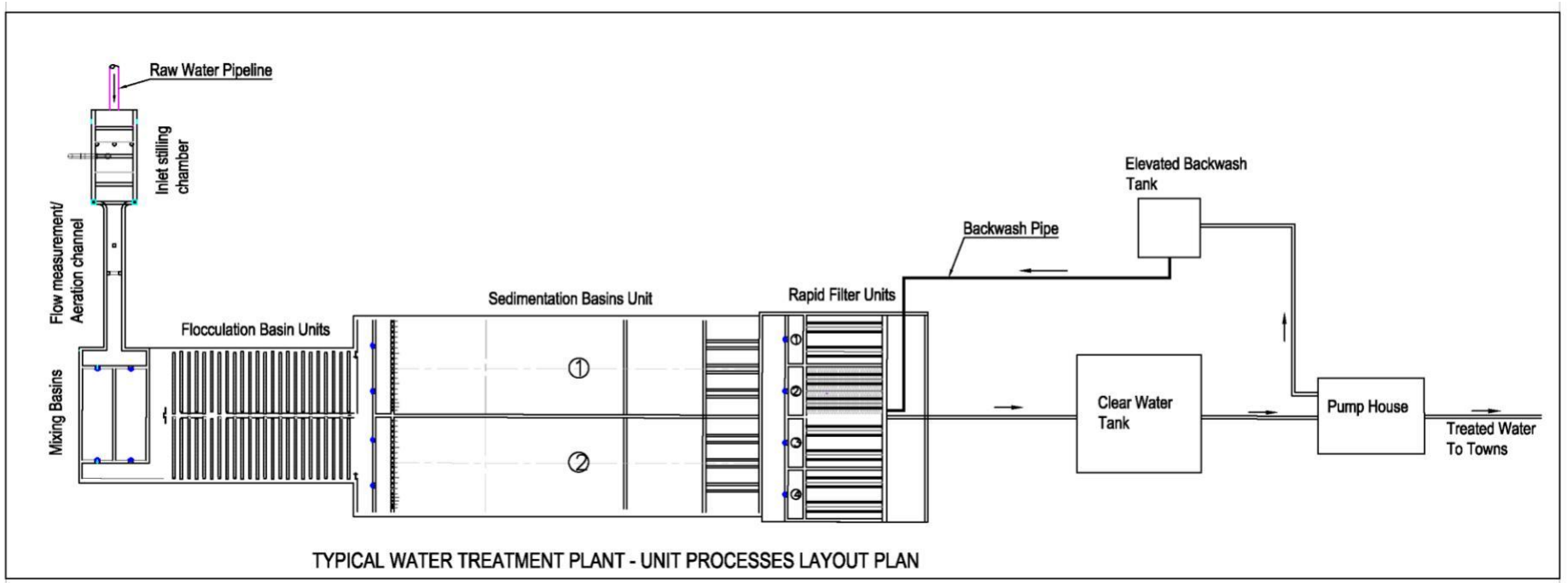


Figure 14 – Schematic Conventional Water Treatment Plant

7.2.3 Treatment Works Processes

The objective of water treatment process is to remove the different impurities in the raw water, to render the water safe and clean and to ensure the treated water quality meets the drinking water standards. The type of treatment method required depend on the characteristics of the raw water.

Raw water may contain suspended, colloidal and dissolved impurities which are objectionable either from taste and for odour. Following are the purposes of water treatment:

(i) To remove colour and dissolved gas and murkiness of water.

(ii) To remove objectionable taste and odour.

(iii) To remove disease causing pathogenic organism.

(iv) To remove hardness of water.

A summary of the treatment processes recommended are presented in the Table 18.

Table 18 – Treatment Plant Processes

Process	Description	Type of process
Screening	Remove large solids e. g. leaves, pieces of woods.	Physical
Aeration	Increases the dissolved oxygen content of water, oxidation of some chemical compounds to an insoluble form; removes odour and taste caused by gases due to organic decomposition. It converts iron and manganese from their soluble states to their insoluble states, so that these can be removed by precipitation. This process is optional and is not adopted in cases where the does not contain objectionable taste and odour.	Chemical
Coagulation & Flocculation	The flocculation chamber is provided after chemical dosing and rapid mixing in the inlet channel. The water enters the flocculation chambers where due to controlled conditions the formation of flocs is encouraged. The chambers are designed to prevent the shearing of the flocculation particles once formed.	Chemical and Physical
Sedimentation	Gravity settling of coagulated particles.	Physical
Filtration	Filter out small particles that remain in water.	Physical
Disinfection	Disinfect to remove any remaining bacteria or other pathogenic organisms, and protect the water before it is consumed.	

7.2.4 Pump and Pump House Specification

A pump house will be constructed next to the Dam. The pump house will house at least two pump (One duty and one standby). The pumps are sized to deliver required design discharge and total dynamic head and will be operated via wall mounted control panel. Table 19 presents the required pumps specifications details.

Table 19 – Pump Specifications Summary Details

Pump Elevation (masl)	Treatment Plant Elevation (masl)	Static Head - SH (m)	TDH (Add 50% of SH for losses	Q = flow capacity	Q = flow capacity(m/hr)	Required Pump Specifications (Q &TDH)	Rising Main Pipeline Diameter (mm)	Rising Main Pipeline Length (m)
190.00	235.0	45.0	67.5	2,815	117.3	Q = 117.3 m^3/hr and TDH = 67.5 m	225	710

7.2.5 Generator

To provide for standby power, a generator house will be constructed near the proposed pump houses. The Generator house will house a generator that will be able to run proposed pumping equipment.

7.2.6 Clear Water Tanks

The clear water tanks capacities have been designed to store water for three days so as to allow for continuation of flow during operation & maintenance period and in the event of power breakdown. They are to be constructed of reinforced concrete class. Detailed tank number and sizes are provided in the summary BoQ for the project.

7.2.7 Transmission and Distribution System

A gravity fed supply shall be preferred whenever technically, economically and financially feasible. Preferably, the pipelines have been located on the existing road reserves. Figure 15 below presents the proposed Makamini dam service areas.

A Summary of proposed pipeline diameter and length area provided in the table below.

Table 20 – Summary of rising main and transmission pipelines for Kwale Master Plan Projects

Dam Ref	Rising Main pipelines Details		Transmission pipelines Details	
	Diameter (mm)	Length (m)	Diameter (mm)	Length (m)
Makamini Dam	225	710	200	53,077
			100	18,765

Estimated pipeline design Discharges

The discharges used in the hydraulic design of the pipelines were determined as presented in table below. It was considered that the estimated 24 hour discharge will have a peak factor of 10% and pumping will be 20 hours/day for lines 1 and 2 and 12 hours/day for line 3.

Pipeline Name	Discharge in m^3/day (24 hours)	Discharge in m^3/day (add 10% peak factor)	for x-pumping hrs /day	Design Discharge (m^3/s)
Line 1	1618.96	1780.86	2137.03	0.0297
Line 2	244.31	268.74	322.49	0.0045
Line 3	146.74	161.41	322.82	0.0075

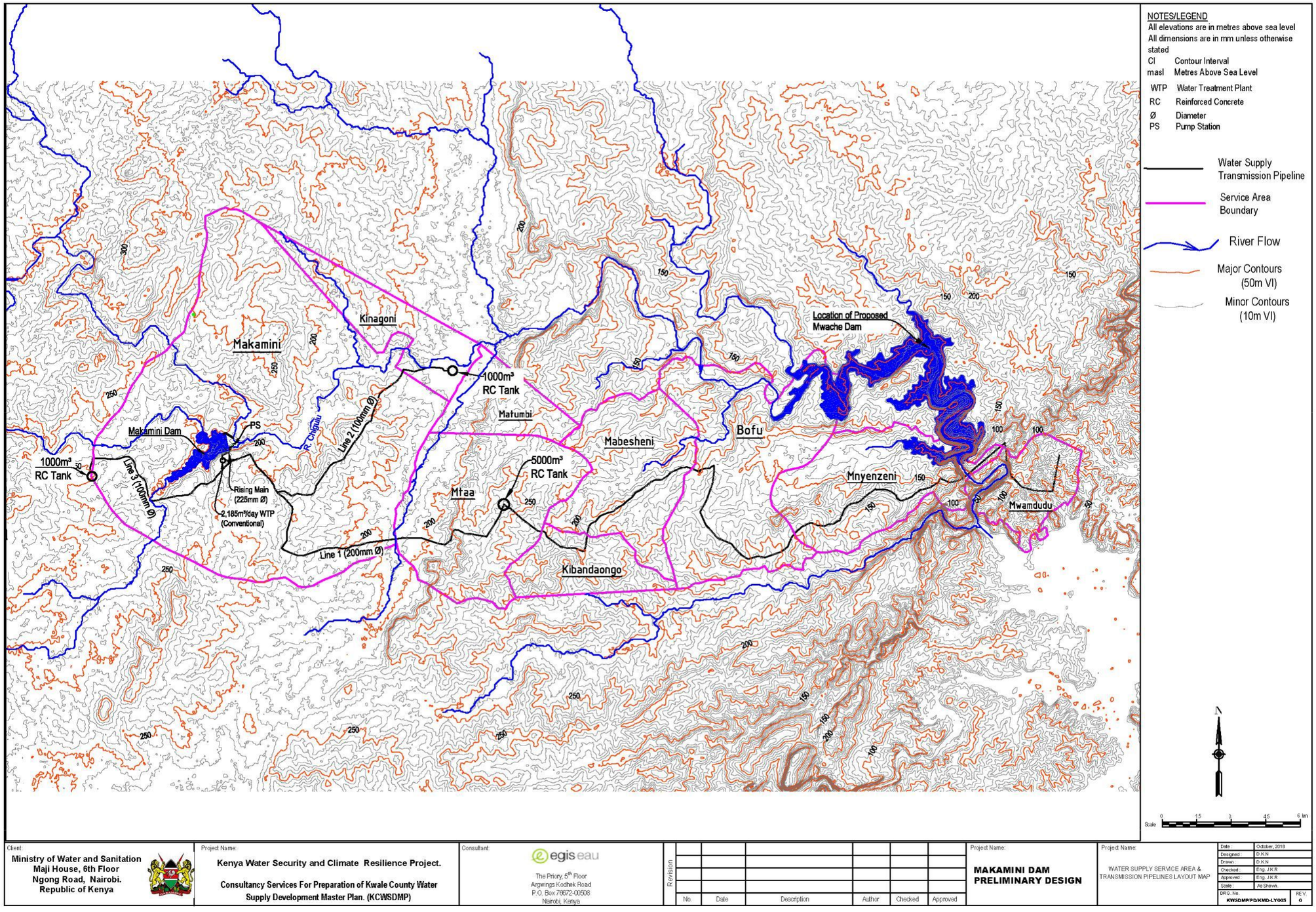


Figure 15 – Makamini Water Supply Service Area Map

Pipeline appurtenances

The following pipe appurtenances have been considered and factored in the cost estimation for the above pipelines.

Table 21 – Type of Pipe Appurtenances

Type of appurtenance	Remarks
Washouts	Washouts valves will be provided at all low points in the pipeline. Provision will also be made for an open drain leading the water from the washout to a suitable discharge point.
Anchor/thrust blocks	In all vertical and horizontal bends, thrust blocks will be provided for to anchor the pipeline.
Air release valves	Air release valves will be provided at all peak points in the pipelines. Where the pipeline is long, air valves will be installed at approximately 500 to 1000 m intervals. They will be designed to serve three major purposes: Release of air from the pipeline during the filling process (large orifice valves); Release of air from the pipeline during the normal operation of the water supply (small orifice valves); Allowing air to enter into the pipeline in order to prevent vacuum occurrence (large orifice valves).
Pressure Reducing Valves	Pressure reducing valves will be considered at instances where the pressures are too high and the start of Sub mains and distribution lines to facilitate in use of lower pressure pipes if the pressures are too high.
Section Valves	Section valves have been designed to be located at certain points / at branch lines in order to regulate the flow to different blocks. The valves are placed in such a way that water supply can be operated in accordance to the scheme operation schedules/requirements. For ease of operation and inspection, all section valves are placed in lockable chambers. The chamber is designed to drain through a drain pipe. The chamber sizes vary according to the inlet/outlet pipe size and junction fittings
Gulley Crossing	Gulley Crossings will be provided at all major gulley crossings. Steel pipes will be used with provision for concrete supports.
Road crossings	Road crossings will thus be provided at all major and minor road crossings. Steel pipes encased in concrete will be provided at these crossings to prevent weight damages to the Upvc pipes.
Marker Posts	Marker posts shall be provided along pipelines at every 200m, except where they follow permanent roads. Markers shall be placed at all bends, river and road crossings which cannot be easily found otherwise. The marker shall be square 100 x 100mm; height 700mm lettered “MAJI”. The post shall be blue with white lettering.

8 Cost Estimates

8.1 Project Works

The main works considered are:

- Earthworks – mainly in dam embankment, water treatment and pipeline trench;
- Concrete and stone or masonry works – mainly in spillway, water treatment plant and chambers;
- Metal works (e.g.) chamber covers, filters etc.;
- Pipe works – mainly GS and UPVC pipes;
- Pipe appurtenant structures (e.g., PRVs, Washouts, Air valves etc.);

8.2 Bill of Quantities

The Bill of Quantities for the various works were derived from designs and drawings for the works (dam works, water treatment plant, pipelines, etc.) and from standard drawings of similar structures such as chambers, crossings, junction details etc.

The works have been split into several major Bills of Quantities as presented in summary Cost estimates.

8.3 Construction rates

Unit rates used for estimating the preliminary costs have been obtained from the following:

- Institute of Quantity Surveyors of Kenya;
- Construction cost rates of the Ministry of Roads and Public Works
- Current construction contracts for works of a similar nature;
- Prices from suppliers.

Allowances have been made for profits and overheads, labour, plant and machinery and waste margins as per Ministry of Public Works recommendations as follows:

- Preliminaries 5%
- Labour 19%
- Profits and overheads 16%
- Plant and machinery, waste margins 5%
- Value Added Tax (VAT) 16%

Table 22 shows the Bill of Quantities and applicable Unit Rates used in estimating the investment cost for Makamini dam.

Table 22 – Bill of Quantities and Applicable Unit Rates.

MAKAMINI DAM, WATER TREATMENT PLANT & CONVEYANCE PIPELINE COST ESTIMATE.					
	Description	Units	Quantity	Unit Price (Ksh)	Cost (Kshs.)
1. Site Clearance					
1.3	Vegetation Removal	Ha	225.0		
2. Dam					
3.1	Excavation				
3.1.1	Top soil	m^3	36,775		
3.1.1	Normal Soil	m^3	76,350		
3.2	Embankment				
3.2.1	Earthfill Shell	m^3	202,600		
3.2.2	Earthfill Core (central impervious clay core)	m^3	101,300		
3.2.3	Riprap layer	m^2	18,200		
3.2.4	Top Soil for D/s Grassing	m^2	15,170		
3.3	Filter Media				
3.3.1	Bedding for Rip Rap (300mm gravel)	m^3	5,460		
3.3.2	Filter material for riprap bedding (300mm thick fine filter)	m^3	5,460		
3.3.3	Horizontal filter blanket (gravel, sand) and drainage	m^3	17,682		
3.4	Crest Road				
3.4.1	300mm lateritic gravel (murram) surfacing course	m^3	369		
3.4.2	Provide and plant suitable grass	m^2	15,170		
3.5	Rock Toe				
3.5.1	Rock Toe Fill	m^3	14,870		
3.5.2	PCC Ogee porous pipe	m	738		
3.5.3	Open concrete lined Toe Drain	m	738		
3.6	Instrumentation	LS	1		
3.7	Foundation grouting	LS	1		
3. Spillway					
3.1	Blinding concrete C15/20	m^3	1,195		
3.2	Reinforced concrete class C20/25	m^3	2,359		
3.3	Reinforcement (Retaining walls, channel floor, ogee weir)	kg	235,875		
3.4	Shuttering				
3.4.1	Timber vertical shuttering to sides of retaining walls	m^2	1916		
3.4.2	Wrought vertical shuttering to faces of ogee weir	m^2	60		
4. Draw off Tower					
4.1	Blinding concrete C15/20	m^3	0.6		

MAKAMINI DAM, WATER TREATMENT PLANT & CONVEYANCE PIPELINE COST ESTIMATE.					
	Description	Units	Quantity	Unit Price (Ksh)	Cost (Kshs.)
4.2	Reinforced concrete class C20/25	m^3	14.6		
4.3	Precast slabs to block diversion channel	No.	1.0		
4.4	Mass concrete grade 15 to block diversion channel	m^3	1.6		
4.5	Shuttering				
4.5.1	Rough vertical shuttering	m^2	107.6		
4.5.2	Wrought finish vertical shuttering to internal faces	m^2	92.6		
4.6	Fittings				
4.6.1	Hand railings of 50 x 50 x 90 long x 4mm thick hollow galvanized M.S	m	3.9		
4.6.2	Access ladder complete	m	13.0		
4.6.3	Supply and fix 750 x 750 x 150 deep screen of 16mm diameter galvanized M.S. bars at 100	No.	1.2		
4.6.4	Scour and Draw off Pipework	m	242.3		
5. Bottom Outlet System					
5.1	Blinding concrete C15/20	m^3	36.0		
5.2	Mass concrete class 35(20) as surround to pipes	m^3	65.0		
5.3	Reinforced concrete class C20/25	m^3	714.0		
5.4	Shuttering	m^2	1,158.0		
5.4	Reinforcement	kg	71,400.0		
6. Raw water Intake and pumping works					
6.1	Generator & Generator House				
6.1.1	4.25m by 6.55m Generator House	No.	1.0		
6.1.2	Generator (Power 75 KVA (76.1KW))	No	1.0		
6.2	1No. Grade 9-A1 Staff Houses	Ls	1.0		
6.3	Pumps and Pump house				
6.3.1	5m by 7m Pump house	No.	1.0		
6.3.2	Pumps and control panel	No.	2.0		
6.3.3	Control panel	No.	2.0		
6.4	Access Road (710m)	Ls	1.0		
7. Raw water Rising Main					
7.1	Clearance	Ha	0.4		
7.2	Earthworks	m^3	816.5		
7.3	Pipework's				
7.3.1	225mm diameter GI class B	m	710		
7.3.2	Fittings and Accessories				
7.3.2.1	Allow for other fittings, specials, marker posts, river crossings, chambers, auxiliary parts, etc.	%	30%		

MAKAMINI DAM, WATER TREATMENT PLANT & CONVEYANCE PIPELINE COST ESTIMATE.					
	Description	**Units**	**Quantity**	**Unit Price (Ksh)**	**Cost (Kshs.)**
8. Water Treatment Plant (Conventional system)					
8.1	Treated water (Rate developed per m^3 of water treated from other completed WTP)	m^3/day	2,815.0		
9. Clear water Storage Tank (1 No.5000m3 and 3 No.1000m3)					
9.1	Clear water Storage Tank				
9.1.1	Clear water Storage Tank ($5000m^3$)	No.	1		
9.1.2	Clear water Storage Tank ($1000m^3$)	No.	3		
10. Elevated Steel Water Storage Tank including Pump & Pump House.					
10.1	Elevated Steel Water ($192m^3$)	No.	2.0		
10.2	Pump and Pump House				
10.2.1	Pumps and control panel	No.	4		
10.2.2	Pump House	No.	2		
11. Water supply Conveyance and Distribution					
11.1	Clearance	Ha	21.55		
11.2	Earthworks (Trench Excavation) for 200 & 100mm Dia Pipes				
11.2.1	Depth N.E. 1.0m	m^3	32,031.3		
11.2.2	Ditto but depth 1.0 - 1.5 m	m^3	8,579.8		
11.2.3	Ditto but depth 1.5 - 2.5 m	m^3	12,011.7		
11.3	Pipework's				
11.3.1	200mm diameter GI class C	m	53,077		
11.3.2	100mm diameter GI class C	m	18,765		
11.4	Fittings and Accessories				
11.4.1	Allow for other fittings, specials, marker posts, river crossings, chambers, auxiliary parts, etc.(Assumed at 30% of Pipework's)	%	30%		
12. <u>Project Costs</u>					
12.1	Sub-Total 1				
12.2	ADD 10% Preliminaries and General items	LS	10%		
12.3	Sub-Total 2				
12.4	ADD 10% For contingencies	LS	10%		
12.5	Sub-Total 3				
12.6	ADD: 16% VAT	LS	16%		
12.7	Sub-Total 4				

8.4 Capital investment Cost

The construction cost the proposed Makamini embankment dam and appurtenant structures, water treatment plant and conveyance pipelines has been estimated as presented in Table 22.

Table 23 – Makamini Dam, Water Treatment Plant and Conveyance Pipeline Cost Estimate.

Item	Description	Amount (KES)
1.1	Site Clearance	
1.2	Embankment Works	
1.3	Spillway Works	
1.4	Draw - off tower Works	
1.5	Bottom Outlet	
1.6	Raw water Intake and pumping works	
1.7	Raw water Rising Main	
1.8	Water Treatment Plant (Conventional system)	
1.9	Clear water Storage Tank (1 No.5000m^3 and 3 No.1000m^3)	
1.10	Elevated Steel Water Storage Tank including Pump & Pump House.	
1.11	Water supply Conveyance and Distribution	
	Sub-Total 1	
	ADD 10% Preliminaries and General items	
	Sub-Total 2	
	ADD 10% For contingencies	
	Sub-Total 3	
	ADD: 16% VAT	
	Total for Dam, Water Treatment Plant & Conveyance Pipeline Works.	
	GRAND SUMMARY	

From above, the proposed Makamini dam works development cost is **KES xxxxxxx** which is inclusive of 10% contingencies and 16% VAT.

8.5 Investment Cost Phasing Proposal

The following are the feasible proposal:

(a) Phase 1: Dam, Rising main, one stream of the water treatment Plant and.one supply area conveyance pipelines; and
(b) Phase 2: Final stream of WTP and the remaining conveyance pipeline system.

9 Environmental Assessment

9.1 Introduction

The Environmental Management and Coordination Act (EMCA), 1999 requires that all project categories listed in its second schedule undergo comprehensive environment impact assessment. According to Part VI of the Environmental Management and Coordination Act (EMCA, 1999) certain projects must undergo an Environmental Impact Assessment (EIA) before they commence.

In view of this, the consultant has carried out an Environmental and Social Impact assessment (ESIA) for Makamini dam project in accordance with the Environmental Impact and Audit Regulations 2003 and the international guidelines for ESIA.

9.2 Environmental Impact Assessment (EIA)

The construction of the proposed dam should as much as possible mitigate against adverse social and environmental impacts. A schedule of mitigations to be instituted to reduce on the corresponding negative effects is given in the table below. The table also enumerates some of the benefits that would result from the completed water conservation dam.

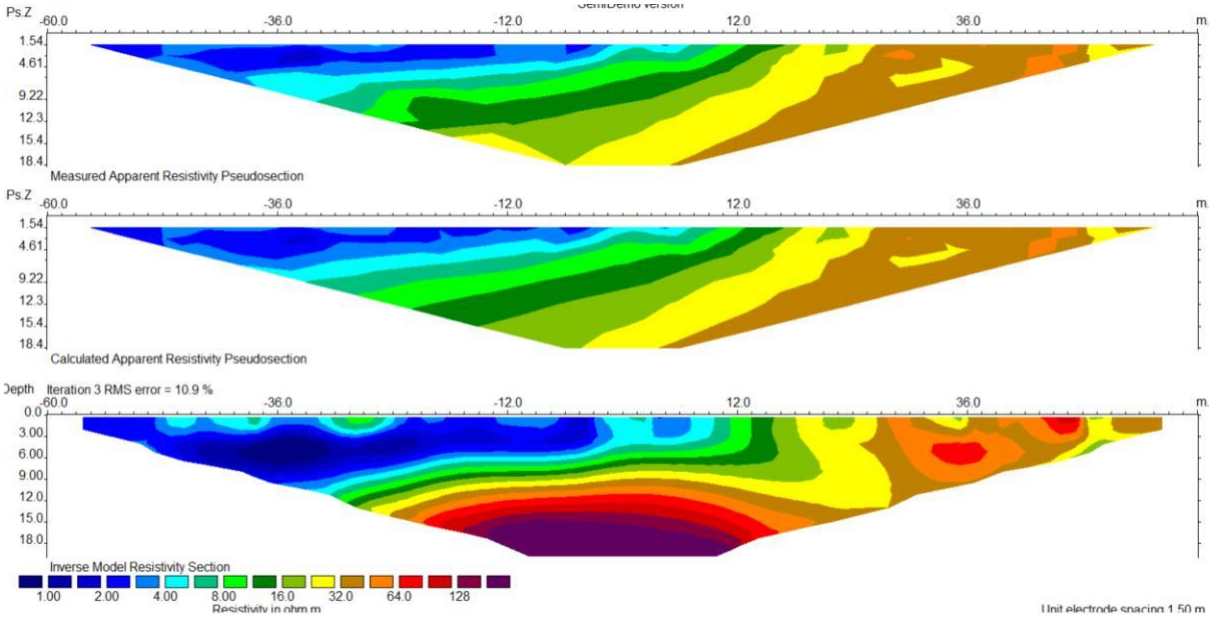
Table 24 – Environmental Impact Analysis: Makamini Dam

S. No.	Negative Effect	Mitigation Measures	Positive Effects
1	Waterborne human diseases; e.g., malaria, bilharzias,	Introduce mosquito eating fish, frogs.	Domestic, livestock, wildlife, flora and irrigation water supply
2	Loss of downstream flows	Provide compensation flow pipe system.	Reduction of flooding risks by absorption.
3	Sedimentation and silt accumulation	Provide silt traps at upstream locations and operational scour sluices at lowest point in reservoir	Silt fertility could be used for agricultural production
4	Water-logging/Ground water table	Drain seepage water away from dam toe, direct to natural course	Use water for mini/micro irrigation e.g. tree nursery
5	Landscape and livestock pasture loss/ interference	Plant suitable grass on embankment and livestock forage on sides of reservoir.	Readily available forage for livestock during dry spells.
6	Safety to downstream inhabitants and structures in case of dam breach/overtopping.	Provide spillway(s) of adequate design capacity for most probable flood occurrence.	Reduction of damage effect of flooding
7	Safety /risks	Secure fencing of whole perimeter of dam & reservoir. Employ attendant/ dam operator	Employment opportunity
8	Overgrazing, resulting in soil erosion	Appropriate perimeter live/thorny fencing.	Reduction in reservoir water contamination and sedimentation

ANNEXES

Annex 1: ERT Sounding

LINE 1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-12.0
12.0
36.0
m.
1.54
4.61
9.22
12.3
15.4
18.4
Measured Apparent Resistivity Pseudosection
Calculated Apparent Resistivity Pseudosection
Depth
Iteration 3 RMS error = 10.9 %
0.0
3.00
6.00
9.00
12.0
15.0
18.0
Inverse Model Resistivity Section
1.00
2.00
4.00
8.00
16.0
32.0
64.0
128
Resistivity in ohm.m
Unit electrode spacing 1.50 m

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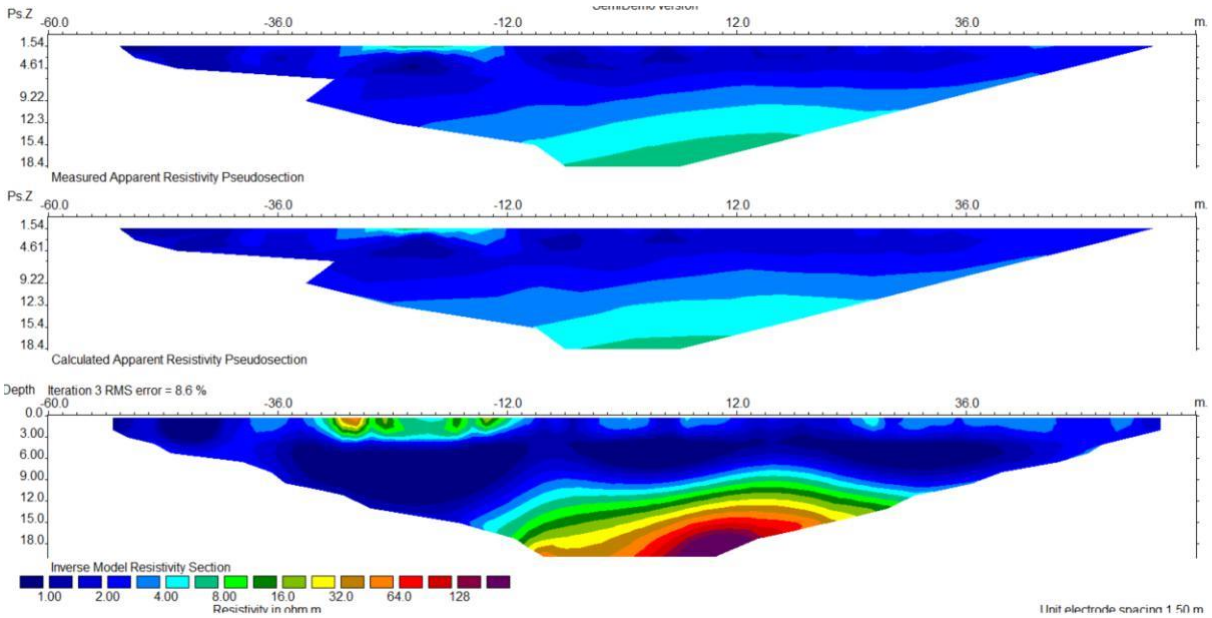
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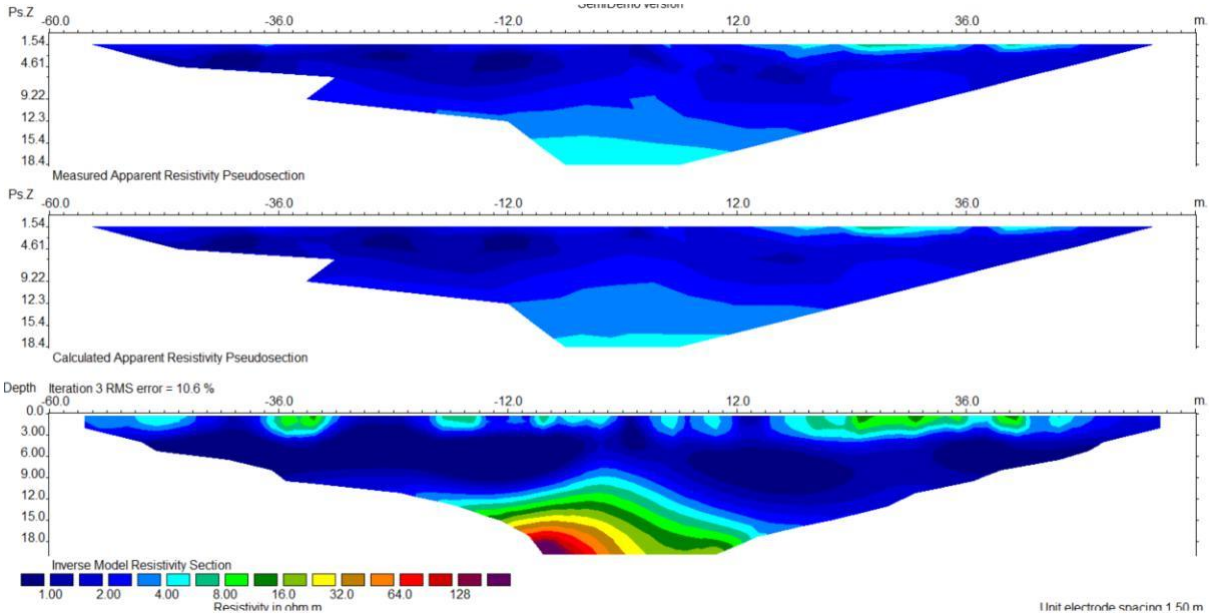
-36.0
-12.0
12.0
36.0
m.
1.54
4.61
9.22
12.3
15.4
18.4
Measured Apparent Resistivity Pseudosection
Calculated Apparent Resistivity Pseudosection
Depth
Iteration 3 RMS error = 8.6 %
0.0
3.00
6.00
9.00
12.0
15.0
18.0
Inverse Model Resistivity Section
1.00
2.00
4.00
8.00
16.0
32.0
64.0
128
Resistivity in ohm.m
Unit electrode spacing 1.50 m

LINE 3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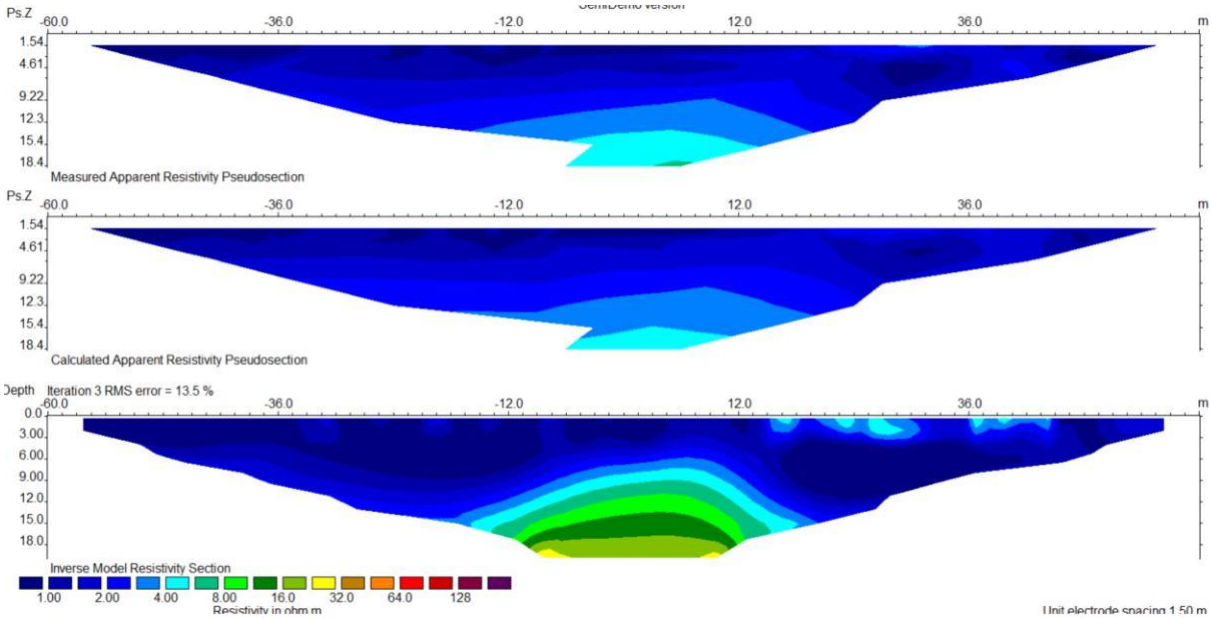
-36.0
-12.0
12.0
36.0
m.
1.54
4.61
9.22
12.3
15.4
18.4
Measured Apparent Resistivity Pseudosection
Calculated Apparent Resistivity Pseudosection
Depth
Iteration 3 RMS error = 10.6 %
0.0
3.00
6.00
9.00
12.0
15.0
18.0
Inverse Model Resistivity Section
1.00
2.00
4.00
8.00
16.0
32.0
64.0
128
Resistivity in ohm.m
Unit electrode spacing 1.50 m

LINE 4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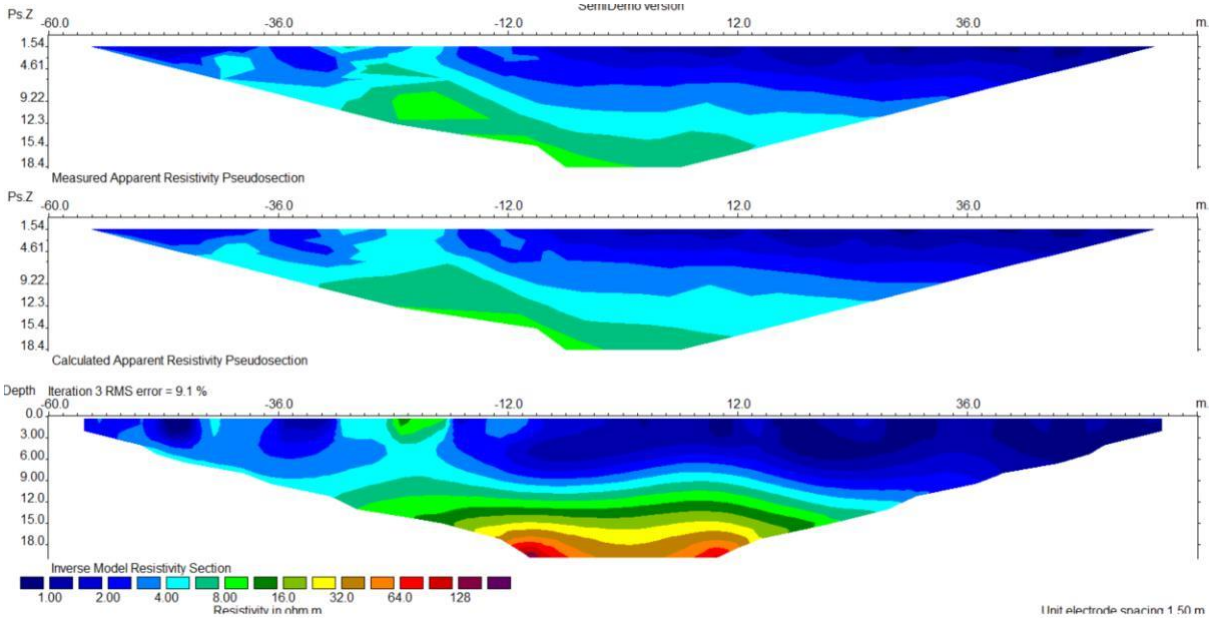
-36.0
-12.0
12.0
36.0
m
1.54
4.61
9.22
12.3
15.4
18.4
Measured Apparent Resistivity Pseudosection
Calculated Apparent Resistivity Pseudosection
Depth
Iteration 3 RMS error = 13.5 %
0.0
3.00
6.00
9.00
12.0
15.0
18.0
Inverse Model Resistivity Section
1.00
2.00
4.00
8.00
16.0
32.0
64.0
128
Resistivity in ohm.m
Unit electrode spacing 1.50 m

LINE 5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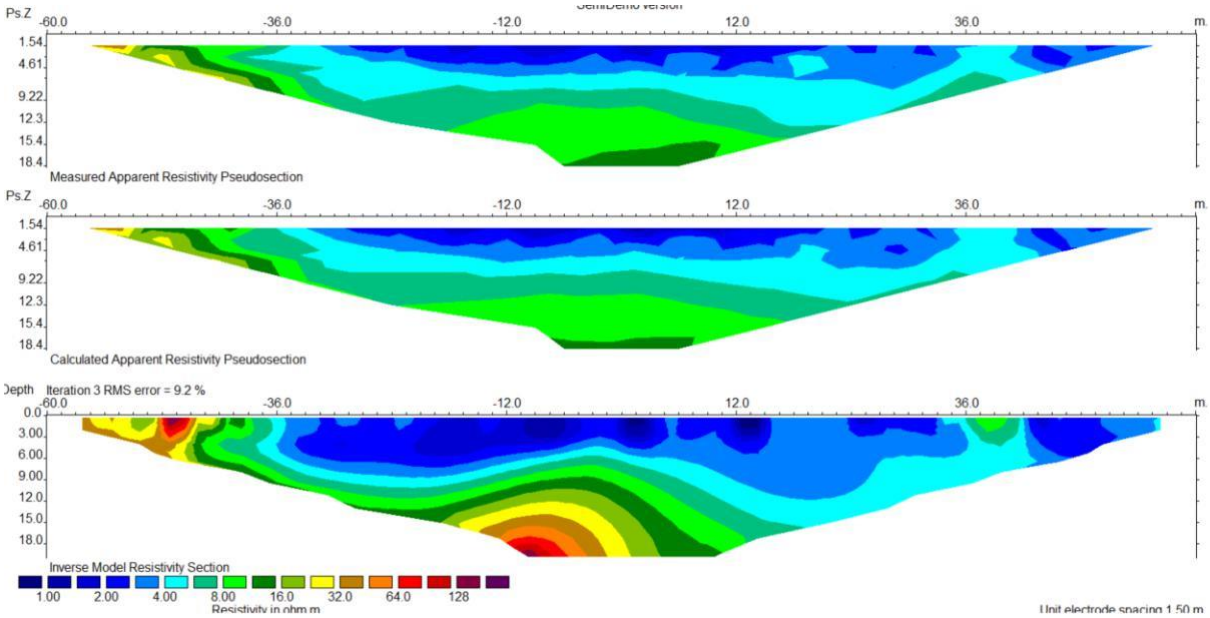
-36.0
-12.0
12.0
36.0
m.
1.54
4.61
9.22
12.3
15.4
18.4
Measured Apparent Resistivity Pseudosection
Calculated Apparent Resistivity Pseudosection
Depth
Iteration 3 RMS error = 9.1 %
0.0
3.00
6.00
9.00
12.0
15.0
18.0
Inverse Model Resistivity Section
1.00
2.00
4.00
8.00
16.0
32.0
64.0
128
Resistivity in ohm.m
Unit electrode spacing 1.50 m

LINE 6


Ps.Z
-60.0
-36.0
-12.0
12.0
36.0
m.
1.54
4.61
9.22
12.3
15.4
18.4
Measured Apparent Resistivity Pseudosection
Calculated Apparent Resistivity Pseudosection
Depth
Iteration 3 RMS error = 9.2 %
0.0
3.00
6.00
9.00
12.0
15.0
18.0
Inverse Model Resistivity Section
1.00
2.00
4.00
8.00
16.0
32.0
64.0
128
Resistivity in ohm.m
Unit electrode spacing 1.50 m

Annex 2: Design Water Demand Estimations

WATER DEMAND ESTIMATIONS FOR MAKAMINI DAM

a) Water Supply Service Area Extent

The water supply service area for MaKamini Dam is composed of several sub-locations as presented in Table A2-1 below. Also included in the table are the total area sub-location area, area covered under by water supply and percentage of water supply coverage for each sub-location.

Table A2-1: Makamini Dam Service Area Administrative Details and Coverage Area Size.

Administrative details						Total Sub-Location Area (Km^2)	Portion of Sub-location Area Served (Km^2)	Percentage of area covered by water supply (%)
Sub_Location	Location	Division	Sub_County	Ward	Centre Type			
Mtaa	Mtaa	Kinango	Kinango	Kasemeni/ Vanga	Rural	43.70	42.93	98%
Makamini	Makamini	Kwale Samburu	Kinango	Mackinnon Road	Rural	151.72	151.72	100%
Kinagoni	Samburu	Kwale Samburu	Kinango	Chengoni/ Samburu	Rural	246.00	18.31	17%
Matumbi	Mwatate Kwale	Kwale Samburu	Kinango	Mwavumbo	Rural	71.10	13.49	19%
Bofu	Mtaa	Kinango	Kinango	Kasemeni/ Vanga	Rural	55.80	51.57	92%
Mabesheni	Mtaa	Kinango	Kinango	Kasemeni/ Vanga	Rural	31.90	31.41	98%
Mnyenzeni	Kasemeni	Kwale Samburu	Kinango	Kasemeni/ Vanga	Rural	32.00	32.00	100%
Mwamdudu	Kasemeni	Kwale Samburu	Kinango	Kasemeni	Rural	16.10	14.75	92%
Kibandaongo	Gandini	Kinango	Kinango	Kinango	Rural	90.90	14.70	16%

b) Population projections

According to the 2009 census data, the population of the sub-location within Makamini Dam service area is as presented in Table A2-2. However, since some sub-locations are not fully covered by the water supply, a ratio based on the percentage of area covered was used to determine the population of the service area.

The population were projected using Geometric methods and the calculated mean positive and negative growth rates of 3.41% and

1.96%. (See details in the Feasibility report Annexes)

Table A2-2: Projected Population for Makamini Dam Service Area.

Sub Location	Male	Female	Pop_2009	Population Served (2009)	Pop_2015	Pop_2020	Pop_2025	Pop_2030	Pop_2035
Mtaa	1,553	1,911	3464	3403	3869	4273	4653	5012	5346
Makamini	2,269	2,686	4955	4955	4863	4792	4732	4681	4637
Kinagoni	4,046	4,718	8764	1526	1785	2016	2237	2450	2651
Matumbi	1,811	2,036	3847	730	787	834	877	916	951
Bofu	2,542	2,894	5436	5025	5277	5481	5662	5825	5970
Mabesheni	677	766	1443	1421	1689	1930	2164	2391	2608
Mnyenzeni	3,848	4,444	8292	8292	9626	10807	11932	13008	14024
Mwamdudu	1,080	1,200	2280	2089	2653	3195	3747	4305	4858
Kibandaongo	2,650	3,087	5737	929	917	907	900	893	887

Forecasting Water Demand: Water Demand Design Criteria

The water demand analysis has been carried out for a period of 20 years commencing Year 2015, future and ultimate years as 2025 and 2035 respectively. The water users have been classified into domestic and non-domestic users. The latter can further sub divided into livestock and irrigation, institutional, commercial and industrial users. Domestic users have been categorized into individual connections (IC) and non-individual connections (NIC). Furthermore, information on household types and incomes has also been used to determine the appropriate per capita water demand rates.

Domestic water demand is the amount of water required in-house and ex-house for different purposes such as cooking, washing, gardening etc. This demand is dependent on other factors like household income and housing category.

The Practise Manual for Water Supply Services in Kenya classifies consumers according to their connection preference, housing type and internal installations. Specific per capita demands, as prescribed in the Practise Manual, have been assigned to each consumer category over the design horizon. Table A2-3 show the projected domestic water demands. Detailed calculations are presented in the feasibility study report.

Table A2-3: Projected Domestic Water Demands

Sub-Location	Domestic 2015	Domestic 2020	Domestic 2025	Domestic 2030	Domestic 2035
Mtaa	106.38	122.85	139.59	156.60	173.73
Makamini	133.71	137.76	141.96	146.27	150.68
Kinagoni	49.08	57.94	67.10	76.53	86.14
Matumbi	21.64	23.97	26.29	28.60	30.88
Bofu	145.11	157.57	169.85	182.01	194.00
Mabesheni	46.42	55.47	64.91	74.70	84.74
Mnyenzeni	264.71	310.68	357.96	406.49	455.75
Mwamdudu	72.96	91.85	112.38	134.50	157.88
Kibandaongo	25.19	26.07	26.98	27.89	28.82

Institutional Water Demand

Institutional demand were categorized into Health and Educational demands and the estimated demand are presented in Table A2-4.

Table A2-4: Projected Institutional Water Demands

Sub - _Location	Institutio 2015	Institut 2020	Institut 2025	Institut 2030	Institut 2035
Mtaa	51.64	57.04	62.11	66.89	71.36
Makamini	64.90	63.96	63.16	62.48	61.89
Kinagoni	23.82	26.90	29.85	32.69	35.38
Matumbi	10.50	11.13	11.70	12.22	12.68
Bofu	85.50	88.81	91.74	94.37	96.73
Mabesheni	22.53	25.76	28.88	31.91	34.80
Mnyenzeni	128.49	144.25	159.27	173.63	187.19
Mwamdudu	35.41	42.64	50.00	57.45	64.84
Kibandaongo	14.84	14.70	14.57	14.46	14.37

Commercial and Industrial Demand

This category includes small scale enterprises like retail shops, restaurants and hotels and large scale establishments like manufacturing and process factories. The coastline, mainly Ukunda and Tiwi, has a high density of commercial establishments whereas the rest of the County is mainly rural having small retail shops and eateries. The estimated commercial and industrial water demand is given in Table A2-5.

Table A2-5: Projected Commercial Water Demands

Sub_Location	CommInd_2015	CommInd_ 2020	CommInd 2025	CommInd 2030	CommInd 2035
Mtaa	5.32	6.14	6.98	7.83	8.69
Makamini	6.69	6.89	7.10	7.31	7.53
Kinagoni	2.45	2.90	3.35	3.83	4.31
Matumbi	1.08	1.20	1.31	1.43	1.54
Bofu	7.26	7.88	8.49	9.10	9.70
Mabesheni	2.32	2.77	3.25	3.74	4.24
Mnyenzeni	13.24	15.53	17.90	20.32	22.79
Mwamdudu	3.65	4.59	5.62	6.73	7.89
Kibandaongo	1.26	1.30	1.35	1.39	1.44

Livestock Water Demand

Animal husbandry is a significant economic activity in the County. The main type of animals are cattle, goats and sheep. Latest information on livestock population was available in the Livestock Census of 2014, obtained from the Kwale County Government. The data is available at the administrative ward level. Using the information on livestock population, LU demand and growth rates, the livestock demand for each sub- Location county was determined and shown in Table A2-6

Table A2-6: Projected Livestock Water Demands

Sub_Location	Livestock	Livestoc_2015	Livestoc_2025	Livestoc_2030	Livestoc_2035
Mtaa	65.16	77.89	90.51	105.30	122.64
Makamini	34.29	41.13	47.93	55.92	65.31
Kinagoni	30.98	37.14	43.26	50.43	58.87
Matumbi	16.29	19.46	22.59	26.26	30.56
Bofu	78.28	93.58	108.74	126.51	147.35
Mabesheni	47.68	57.00	66.23	77.06	89.75
Mnyenzeni	44.02	52.62	61.14	71.14	82.85
Mwamdudu	22.38	26.76	31.09	36.17	42.13
Kibandaongo	12.50	12.50	12.50	12.50	12.50

Overall Service Area Water Demand

The total water demand for each sub-location was categorised as either potable or non-potable for the different projections and consumer categories.

The projected potable water demands for were the summary of domestic, Institutional, Commercial and Livestock water demands. The summary of projected potable water demands for Makamini dam water supply service area are as presented Table A2-7 below.

Table A2-7: Projected Portable Water Demands

Sub Location	Potable_2015	Potable 2020	Potable 2025	Potable 2030	Potable 2035
Mtaa	163.33	186.03	208.67	231.32	253.78
Makamini	205.30	208.60	212.22	216.06	220.11
Kinagoni	75.35	87.74	100.31	113.05	125.83
Matumbi	33.22	36.30	39.30	42.24	45.11
Bofu	237.86	254.26	270.09	285.48	300.43
Mabesheni	71.28	84.00	97.03	110.34	123.78
Mnyenzeni	406.43	470.47	535.13	600.44	665.73
Mwamdudu	112.02	139.08	168.01	198.68	230.62
Kibandaongo	41.30	42.07	42.90	43.75	44.63
Total WATER DEMAND (M^3/DAY)	1346.09	1508.55	1673.65	1841.37	2010.01

The future and Ultimate potable Water demand for Makamini dam service area were estimated at 1,673.65 and 2,010.01 m^3/day for the years 2025 and 2035 respectively.

Annex 3: Simulated Flow Analysis

Simulated Flows analysis and time series

Table B3-1 presents the monthly average daily flow determined from the simulated flow analysis.

Table B3-1: Average daily flows per month for Makamini dam (1981 – 2015)

YEAR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1981	0.029	0.007	0.206	0.138	0.084	0.052	0.044	0.080	0.064	0.189	0.103	0.204
1982	0.035	0.002	0.022	0.202	0.481	0.105	0.106	0.033	0.087	0.198	0.142	0.124
1983	0.006	0.014	0.024	0.055	0.191	0.137	0.067	0.020	0.051	0.023	0.094	0.061
1984	0.007	0.001	0.032	0.251	0.101	0.112	0.051	0.021	0.046	0.082	0.259	0.080
1985	0.026	0.065	0.018	0.104	0.110	0.031	0.059	0.045	0.032	0.055	0.082	0.222
1986	0.007	0.003	0.042	0.210	0.239	0.054	0.021	0.045	0.023	0.045	0.134	0.199
1987	0.028	0.003	0.022	0.088	0.284	0.032	0.020	0.127	0.040	0.040	0.057	0.046
1988	0.046	0.006	0.090	0.226	0.070	0.114	0.034	0.029	0.050	0.037	0.137	0.180
1989	0.070	0.003	0.079	0.184	0.154	0.036	0.025	0.060	0.020	0.149	0.192	0.150
1990	0.041	0.073	0.258	0.156	0.070	0.057	0.019	0.028	0.023	0.098	0.120	0.120
1991	0.005	0.017	0.083	0.060	0.264	0.085	0.075	0.087	0.016	0.051	0.052	0.053
1992	0.001	0.007	0.011	0.154	0.218	0.074	0.083	0.026	0.047	0.037	0.194	0.168
1993	0.067	0.005	0.017	0.080	0.137	0.077	0.035	0.030	0.037	0.081	0.058	0.079
1994	0.011	0.010	0.048	0.190	0.278	0.077	0.076	0.042	0.073	0.042	0.260	0.213
1995	0.006	0.006	0.059	0.114	0.332	0.023	0.042	0.106	0.025	0.099	0.257	0.032
1996	0.002	0.020	0.113	0.174	0.362	0.014	0.030	0.024	0.013	0.023	0.108	0.027
1997	0.001	0.005	0.007	0.272	0.392	0.048	0.043	0.033	0.024	0.559	0.451	0.249
1998	0.176	0.087	0.083	0.246	0.250	0.054	0.032	0.028	0.043	0.044	0.142	0.082
1999	0.028	0.006	0.088	0.225	0.249	0.079	0.067	0.054	0.035	0.050	0.187	0.085
2000	0.008	0.004	0.053	0.105	0.221	0.104	0.034	0.059	0.034	0.164	0.274	0.107
2001	0.045	0.007	0.014	0.120	0.147	0.094	0.040	0.030	0.013	0.030	0.121	0.069
2002	0.097	0.009	0.185	0.174	0.084	0.022	0.037	0.039	0.095	0.137	0.330	0.181
2003	0.008	0.013	0.022	0.132	0.206	0.069	0.033	0.028	0.028	0.026	0.136	0.027
2004	0.144	0.041	0.020	0.187	0.031	0.064	0.047	0.022	0.011	0.149	0.165	0.055
2005	0.025	0.043	0.062	0.135	0.189	0.066	0.046	0.023	0.031	0.047	0.135	0.034

YEAR	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
2006	0.007	0.003	0.097	0.229	0.233	0.064	0.030	0.039	0.090	0.297	0.382	0.194
2007	0.031	0.001	0.034	0.122	0.379	0.129	0.026	0.074	0.047	0.097	0.154	0.060
2008	0.035	0.009	0.111	0.143	0.154	0.107	0.044	0.036	0.035	0.096	0.158	0.060
2009	0.008	0.018	0.011	0.091	0.053	0.090	0.028	0.024	0.017	0.273	0.048	0.178
2010	0.025	0.005	0.069	0.186	0.285	0.089	0.025	0.028	0.035	0.020	0.176	0.045
2011	0.003	0.034	0.027	0.135	0.152	0.034	0.023	0.031	0.048	0.184	0.180	0.078
2012	0.009	0.004	0.014	0.102	0.148	0.029	0.031	0.027	0.021	0.061	0.230	0.094
2013	0.014	0.011	0.120	0.096	0.234	0.043	0.022	0.070	0.029	0.163	0.139	0.133
2014	0.003	0.019	0.193	0.092	0.236	0.065	0.034	0.040	0.042	0.086	0.224	0.263
2015	0.004	0.004	0.122	0.116	0.316	0.035	0.059	0.043	0.020	0.194	0.412	0.039

Table B3-2: Mean, max, min and median daily flows from 1981 – 2015 for makamini dam

Mean	0.030	0.016	0.070	0.151	0.210	0.068	0.043	0.044	0.038	0.112	0.180	0.114
Max	0.176	0.087	0.258	0.272	0.481	0.137	0.106	0.127	0.095	0.559	0.451	0.263
Min	0.001	0.001	0.007	0.055	0.031	0.014	0.019	0.020	0.011	0.020	0.048	0.027
Median	0.014	0.007	0.053	0.138	0.218	0.065	0.035	0.033	0.035	0.082	0.154	0.085

Table B3-3: Total annual simulated flows for makamini dam (1981 – 2015)

YEAR	TOTAL FLOW ($M.m^3$)
1981	36.83
1982	47.12
1983	22.61
1984	31.67
1985	25.92
1986	31.25
1987	24.24
1988	31.07
1989	34.30
1990	32.32
1991	26.03
1992	31.16

YEAR	TOTAL FLOW (M.m^3)
1993	21.51
1994	40.32
1995	33.70
1996	27.86
1997	63.81
1998	38.52
1999	35.18
2000	35.63
2001	22.33
2002	42.49
2003	22.15
2004	28.53
2005	25.42
2006	50.82
2007	35.37
2008	30.21
2009	25.73
2010	30.14
2011	28.31
2012	23.52
2013	32.89
2014	39.73
2015	41.73
Average Annual flow	**32.87**

From Table B3-3, the average annual flow for makamini dam from the simulated flow analysis was found to be 32.87 MCM.

Calculation of Q_{95} - environmental flow estimation

The Q_{95} was determined from the simulated flow data series provided in table B4. The flows were arranged in a descending order of magnitude and the probability P of each event being equaled or exceeded calculated by the plotting position formula:

$$= \quad +1(\quad h \ ,1939)$$

Where

m = Order number of the event

N = Total number of events in the data series (12,783)

Since P is given as 95% and N determined as 12,783 as the total number of average daily flows from 1981 - 2015, then m is calculated as 12,145. At position 12,145 of the flow arranged in descending order, the flow is 0.000623 m^3/s.

Table B-4: Simulated average daily flows for Makakamini dam (1981 – 2015)

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
01-01-81	0.0007	01-10-89	0.0349	01-07-98	0.0045	01-04-07	0.0014
02-01-81	0.0008	02-10-89	0.0227	02-07-98	0.0035	02-04-07	0.0011
03-01-81	0.0009	03-10-89	0.0153	03-07-98	0.0027	03-04-07	0.0009
04-01-81	0.0008	04-10-89	0.0106	04-07-98	0.0021	04-04-07	0.0008
05-01-81	0.0007	05-10-89	1.7725	05-07-98	0.0017	05-04-07	0.0007
06-01-81	0.0744	06-10-89	1.7555	06-07-98	0.0014	06-04-07	0.0007
07-01-81	0.1346	07-10-89	0.4979	07-07-98	0.0012	07-04-07	0.0006
08-01-81	0.1565	08-10-89	0.2145	08-07-98	0.0010	08-04-07	0.0006
09-01-81	0.1509	09-10-89	0.1102	09-07-98	0.0012	09-04-07	0.0005
10-01-81	0.0905	10-10-89	0.0632	10-07-98	0.0014	10-04-07	0.0005
11-01-81	0.0593	11-10-89	0.0388	11-07-98	0.0288	11-04-07	0.0005
12-01-81	0.0359	12-10-89	0.0250	12-07-98	0.0540	12-04-07	0.0005
13-01-81	0.0228	13-10-89	0.0167	13-07-98	0.0346	13-04-07	0.0341
14-01-81	0.0150	14-10-89	0.0115	14-07-98	0.0322	14-04-07	0.1265
15-01-81	0.0102	15-10-89	0.0081	15-07-98	0.0290	15-04-07	0.1172
16-01-81	0.0071	16-10-89	0.0058	16-07-98	0.0546	16-04-07	0.0661
17-01-81	0.0050	17-10-89	0.0043	17-07-98	0.0808	17-04-07	0.1139
18-01-81	0.0037	18-10-89	0.0032	18-07-98	0.0600	18-04-07	1.2274
19-01-81	0.0027	19-10-89	0.0025	19-07-98	0.0379	19-04-07	1.1641
20-01-81	0.0021	20-10-89	0.0019	20-07-98	0.0251	20-04-07	0.3836
21-01-81	0.0016	21-10-89	0.0015	21-07-98	0.0171	21-04-07	0.1748
22-01-81	0.0013	22-10-89	0.0013	22-07-98	0.0120	22-04-07	0.0924
23-01-81	0.0196	23-10-89	0.0010	23-07-98	0.0087	23-04-07	0.0539
24-01-81	0.0359	24-10-89	0.0009	24-07-98	0.0207	24-04-07	0.0334

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
25-01-81	0.0228	25-10-89	0.0008	25-07-98	0.0378	25-04-07	0.0217
26-01-81	0.0150	26-10-89	0.0007	26-07-98	0.0323	26-04-07	0.0145
27-01-81	0.0102	27-10-89	0.0006	27-07-98	0.0216	27-04-07	0.0100
28-01-81	0.0071	28-10-89	0.0006	28-07-98	0.0149	28-04-07	0.0071
29-01-81	0.0050	29-10-89	0.0006	29-07-98	0.0343	29-04-07	0.0051
30-01-81	0.0037	30-10-89	0.0005	30-07-98	0.1521	30-04-07	0.0038
31-01-81	0.0059	31-10-89	0.0005	31-07-98	0.1917	01-05-07	0.0029
01-02-81	0.0100	01-11-89	0.0005	01-08-98	0.1135	02-05-07	0.0022
02-02-81	0.0092	02-11-89	0.0005	02-08-98	0.0813	03-05-07	0.0018
03-02-81	0.0064	03-11-89	0.0005	03-08-98	0.0801	04-05-07	0.0014
04-02-81	0.0046	04-11-89	0.0005	04-08-98	0.0636	05-05-07	0.0012
05-02-81	0.0033	05-11-89	0.0692	05-08-98	0.0398	06-05-07	0.0010
06-02-81	0.0025	06-11-89	0.1288	06-08-98	0.0262	07-05-07	0.0009
07-02-81	0.0019	07-11-89	0.2498	07-08-98	0.0178	08-05-07	0.6186
08-02-81	0.0015	08-11-89	0.5371	08-08-98	0.0178	09-05-07	0.8321
09-02-81	0.0012	09-11-89	0.4358	09-08-98	0.0169	10-05-07	0.4770
10-02-81	0.0019	10-11-89	0.2099	10-08-98	0.0118	11-05-07	0.3226
11-02-81	0.0024	11-11-89	0.1076	11-08-98	0.0085	12-05-07	0.1548
12-02-81	0.0018	12-11-89	0.0616	12-08-98	0.0062	13-05-07	1.4155
13-02-81	0.0014	13-11-89	0.0377	13-08-98	0.0046	14-05-07	3.2015
14-02-81	0.0075	14-11-89	0.1208	14-08-98	0.0035	15-05-07	1.6510
15-02-81	0.0126	15-11-89	0.1567	15-08-98	0.0096	16-05-07	0.5716
16-02-81	0.0086	16-11-89	0.0844	16-08-98	0.0400	17-05-07	0.2957
17-02-81	0.0061	17-11-89	0.0499	17-08-98	0.0500	18-05-07	0.1447
18-02-81	0.0084	18-11-89	0.0312	18-08-98	0.0320	19-05-07	0.0801
19-02-81	0.0234	19-11-89	0.0204	19-08-98	0.0214	20-05-07	0.0483
20-02-81	0.0278	20-11-89	0.0137	20-08-98	0.0147	21-05-07	0.0308

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
21-02-81	0.0180	21-11-89	0.0095	21-08-98	0.0111	22-05-07	0.0204
22-02-81	0.0120	22-11-89	0.0068	22-08-98	0.0086	23-05-07	0.0140
23-02-81	0.0082	23-11-89	0.0049	23-08-98	0.0074	24-05-07	0.0098
24-02-81	0.0058	24-11-89	0.4565	24-08-98	0.0063	25-05-07	0.0071
25-02-81	0.0062	25-11-89	0.6306	25-08-98	0.0047	26-05-07	0.0052
26-02-81	0.0063	26-11-89	0.2538	26-08-98	0.0036	27-05-07	0.0039
27-02-81	0.0045	27-11-89	0.1256	27-08-98	0.0027	28-05-07	0.0029
28-02-81	0.0033	28-11-89	0.4527	28-08-98	0.0022	29-05-07	0.0023
01-03-81	0.0025	29-11-89	0.9134	29-08-98	0.0042	30-05-07	0.5341
02-03-81	0.0019	30-11-89	0.5860	30-08-98	0.0618	31-05-07	1.3029
03-03-81	0.0015	01-12-89	0.2449	31-08-98	0.0986	01-06-07	1.5806
04-03-81	0.0012	02-12-89	0.1611	01-09-98	0.0616	02-06-07	0.9694
05-03-81	0.0010	03-12-89	0.1833	02-09-98	0.0408	03-06-07	0.4317
06-03-81	0.0008	04-12-89	0.7286	03-09-98	0.0264	04-06-07	0.2486
07-03-81	0.0007	05-12-89	0.7831	04-09-98	0.0178	05-06-07	0.1263
08-03-81	0.0007	06-12-89	0.4021	05-09-98	0.0186	06-06-07	0.0723
09-03-81	0.0006	07-12-89	0.2595	06-09-98	0.0873	07-06-07	0.0445
10-03-81	0.0006	08-12-89	0.2237	07-09-98	0.1169	08-06-07	0.0288
11-03-81	0.0005	09-12-89	0.1697	08-09-98	0.0671	09-06-07	0.0194
12-03-81	0.0005	10-12-89	0.1126	09-09-98	0.0413	10-06-07	0.0254
13-03-81	0.0008	11-12-89	0.2155	10-09-98	0.0267	11-06-07	0.0277
14-03-81	0.0846	12-12-89	0.2236	11-09-98	0.0265	12-06-07	0.0187
15-03-81	0.1854	13-12-89	0.1132	12-09-98	0.0543	13-06-07	0.0130
16-03-81	0.1898	14-12-89	0.0643	13-09-98	0.0595	14-06-07	0.0093
17-03-81	0.2003	15-12-89	0.0391	14-09-98	0.0739	15-06-07	0.0165
18-03-81	0.1435	16-12-89	0.0250	15-09-98	0.0754	16-06-07	0.0398
19-03-81	0.1879	17-12-89	0.0166	16-09-98	0.0457	17-06-07	0.0423

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
20-03-81	0.1882	18-12-89	0.0113	17-09-98	0.0292	18-06-07	0.0275
21-03-81	0.2845	19-12-89	0.0079	18-09-98	0.0194	19-06-07	0.0186
22-03-81	0.4039	20-12-89	0.0057	19-09-98	0.0133	20-06-07	0.0129
23-03-81	0.2623	21-12-89	0.0042	20-09-98	0.0094	21-06-07	0.0092
24-03-81	0.1278	22-12-89	0.0031	21-09-98	0.0067	22-06-07	0.0067
25-03-81	0.2847	23-12-89	0.0024	22-09-98	0.0402	23-06-07	0.0050
26-03-81	0.3767	24-12-89	0.0535	23-09-98	0.0761	24-06-07	0.0038
27-03-81	0.3338	25-12-89	0.0935	24-09-98	0.0623	25-06-07	0.0137
28-03-81	0.8393	26-12-89	0.0544	25-09-98	0.0439	26-06-07	0.0215
29-03-81	0.9563	27-12-89	0.0570	26-09-98	0.0281	27-06-07	0.0148
30-03-81	0.4789	28-12-89	0.0541	27-09-98	0.0373	28-06-07	0.0129
31-03-81	0.8394	29-12-89	0.0658	28-09-98	0.0403	29-06-07	0.0111
01-04-81	1.0570	30-12-89	0.1119	29-09-98	0.0260	30-06-07	0.0080
02-04-81	0.7565	31-12-89	0.1462	30-09-98	0.0174	01-07-07	0.0067
03-04-81	0.4438	01-01-90	0.1151	01-10-98	0.0120	02-07-07	0.0057
04-04-81	0.2603	02-01-90	0.0904	02-10-98	0.0083	03-07-07	0.0043
05-04-81	0.1638	03-01-90	0.1905	03-10-98	0.0314	04-07-07	0.0033
06-04-81	0.1190	04-01-90	0.1969	04-10-98	0.0466	05-07-07	0.0026
07-04-81	0.1305	05-01-90	0.1015	05-10-98	0.0293	06-07-07	0.0020
08-04-81	0.1311	06-01-90	0.0582	06-10-98	0.0192	07-07-07	0.0017
09-04-81	0.0990	07-01-90	0.0356	07-10-98	0.0130	08-07-07	0.0095
10-04-81	0.0918	08-01-90	0.0229	08-10-98	0.0090	09-07-07	0.0167
11-04-81	0.0772	09-01-90	0.0152	09-10-98	0.0515	10-07-07	0.0118
12-04-81	0.1739	10-01-90	0.0104	10-10-98	0.0790	11-07-07	0.0085
13-04-81	0.2258	11-01-90	0.0073	11-10-98	0.0470	12-07-07	0.0063
14-04-81	0.1289	12-01-90	0.0052	12-10-98	0.0295	13-07-07	0.0047
15-04-81	0.0721	13-01-90	0.0038	13-10-98	0.0274	14-07-07	0.0036

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
16-04-81	0.0434	14-01-90	0.0029	14-10-98	0.0246	15-07-07	0.0225
17-04-81	0.0322	15-01-90	0.0022	15-10-98	0.0243	16-07-07	0.0378
18-04-81	0.0245	16-01-90	0.0017	16-10-98	0.0227	17-07-07	0.1056
19-04-81	0.0163	17-01-90	0.0014	17-10-98	0.0151	18-07-07	0.1359
20-04-81	0.0112	18-01-90	0.0011	18-10-98	0.0104	19-07-07	0.0776
21-04-81	0.0079	19-01-90	0.0009	19-10-98	0.0154	20-07-07	0.0478
22-04-81	0.0057	20-01-90	0.0008	20-10-98	0.0563	21-07-07	0.0310
23-04-81	0.0042	21-01-90	0.0007	21-10-98	0.2223	22-07-07	0.0209
24-04-81	0.0031	22-01-90	0.0007	22-10-98	0.2399	23-07-07	0.0145
25-04-81	0.0113	23-01-90	0.0006	23-10-98	0.1198	24-07-07	0.0393
26-04-81	0.0175	24-01-90	0.0006	24-10-98	0.0674	25-07-07	0.0542
27-04-81	0.0120	25-01-90	0.0005	25-10-98	0.0408	26-07-07	0.0347
28-04-81	0.0084	26-01-90	0.0005	26-10-98	0.0349	27-07-07	0.0231
29-04-81	0.0061	27-01-90	0.0824	27-10-98	0.0296	28-07-07	0.0159
30-04-81	0.0090	28-01-90	0.1503	28-10-98	0.0194	29-07-07	0.0113
01-05-81	0.0832	29-01-90	0.0809	29-10-98	0.0131	30-07-07	0.0081
02-05-81	0.2082	30-01-90	0.0477	30-10-98	0.0091	31-07-07	0.0523
03-05-81	0.1746	31-01-90	0.0297	31-10-98	0.0064	01-08-07	0.0912
04-05-81	0.1383	01-02-90	0.3586	01-11-98	0.0047	02-08-07	0.1477
05-05-81	0.1106	02-02-90	0.4721	02-11-98	0.0034	03-08-07	0.1778
06-05-81	0.1097	03-02-90	0.2261	03-11-98	0.0026	04-08-07	0.1132
07-05-81	0.2299	04-02-90	0.1300	04-11-98	0.0020	05-08-07	0.0660
08-05-81	0.2457	05-02-90	0.0708	05-11-98	0.0016	06-08-07	0.0412
09-05-81	0.1415	06-02-90	0.0419	06-11-98	0.0013	07-08-07	0.0269
10-05-81	0.1092	07-02-90	0.0262	07-11-98	0.0011	08-08-07	0.0182
11-05-81	0.0863	08-02-90	0.0170	08-11-98	0.0009	09-08-07	0.0312
12-05-81	0.0518	09-02-90	0.1088	09-11-98	0.0008	10-08-07	0.0379

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
13-05-81	0.0330	10-02-90	0.1574	10-11-98	0.0007	11-08-07	0.0249
14-05-81	0.0219	11-02-90	0.0832	11-11-98	0.0006	12-08-07	0.0170
15-05-81	0.0150	12-02-90	0.0483	12-11-98	0.0006	13-08-07	0.0135
16-05-81	0.0105	13-02-90	0.0298	13-11-98	0.0006	14-08-07	0.0108
17-05-81	0.0076	14-02-90	0.0192	14-11-98	0.0005	15-08-07	0.0078
18-05-81	0.0056	15-02-90	0.0127	15-11-98	0.0005	16-08-07	0.0057
19-05-81	0.1120	16-02-90	0.0087	16-11-98	0.0005	17-08-07	0.0278
20-05-81	0.2555	17-02-90	0.0061	17-11-98	0.0005	18-08-07	0.1321
21-05-81	0.1828	18-02-90	0.0044	18-11-98	0.0005	19-08-07	0.2412
22-05-81	0.0981	19-02-90	0.0032	19-11-98	0.0005	20-08-07	0.1918
23-05-81	0.0581	20-02-90	0.0033	20-11-98	0.0005	21-08-07	0.1059
24-05-81	0.0366	21-02-90	0.0033	21-11-98	0.0005	22-08-07	0.0647
25-05-81	0.0241	22-02-90	0.0025	22-11-98	0.0005	23-08-07	0.0403
26-05-81	0.0164	23-02-90	0.0019	23-11-98	0.0005	24-08-07	0.0263
27-05-81	0.0115	24-02-90	0.0015	24-11-98	0.7865	25-08-07	0.0720
28-05-81	0.0083	25-02-90	0.0012	25-11-98	1.3411	26-08-07	0.1864
29-05-81	0.0060	26-02-90	0.0010	26-11-98	0.6183	27-08-07	0.1724
30-05-81	0.0045	27-02-90	0.0334	27-11-98	0.2489	28-08-07	0.0934
31-05-81	0.0034	28-02-90	0.1634	28-11-98	0.1230	29-08-07	0.0556
01-06-81	0.0026	01-03-90	0.4595	29-11-98	0.0688	30-08-07	0.0351
02-06-81	0.0339	02-03-90	0.5301	30-11-98	1.0551	31-08-07	0.0232
03-06-81	0.0599	03-03-90	0.2984	01-12-98	1.1184	01-09-07	0.0157
04-06-81	0.0399	04-03-90	0.2774	02-12-98	0.3702	02-09-07	0.0109
05-06-81	0.0278	05-03-90	0.2826	03-12-98	0.1682	03-09-07	0.0077
06-06-81	0.0188	06-03-90	0.2511	04-12-98	0.0884	04-09-07	0.0056
07-06-81	0.0149	07-03-90	0.2501	05-12-98	0.1414	05-09-07	0.0041
08-06-81	0.0120	08-03-90	0.1703	06-12-98	0.1537	06-09-07	0.0031

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
09-06-81	0.3400	09-03-90	0.1678	07-12-98	0.0820	07-09-07	0.0024
10-06-81	0.4849	10-03-90	0.3448	08-12-98	0.0480	08-09-07	0.0080
11-06-81	0.2144	11-03-90	0.4295	09-12-98	0.0297	09-09-07	0.0125
12-06-81	0.1125	12-03-90	0.5276	10-12-98	0.0192	10-09-07	0.0088
13-06-81	0.0658	13-03-90	0.4620	11-12-98	0.0128	11-09-07	0.0063
14-06-81	0.0411	14-03-90	0.5068	12-12-98	0.0088	12-09-07	0.0046
15-06-81	0.0288	15-03-90	0.4069	13-12-98	0.0062	13-09-07	0.0070
16-06-81	0.0208	16-03-90	0.3350	14-12-98	0.0045	14-09-07	0.0085
17-06-81	0.0144	17-03-90	0.3327	15-12-98	0.0033	15-09-07	0.0061
18-06-81	0.0102	18-03-90	0.2016	16-12-98	0.0046	16-09-07	0.0045
19-06-81	0.0074	19-03-90	0.1027	17-12-98	0.0054	17-09-07	0.0034
20-06-81	0.0055	20-03-90	0.0897	18-12-98	0.0039	18-09-07	0.0026
21-06-81	0.0041	21-03-90	0.0759	19-12-98	0.0029	19-09-07	0.0020
22-06-81	0.0032	22-03-90	0.0448	20-12-98	0.0022	20-09-07	0.0202
23-06-81	0.0025	23-03-90	0.0280	21-12-98	0.0017	21-09-07	0.0359
24-06-81	0.0020	24-03-90	0.1856	22-12-98	0.0014	22-09-07	0.0233
25-06-81	0.0016	25-03-90	0.2579	23-12-98	0.0011	23-09-07	0.0157
26-06-81	0.0013	26-03-90	0.1264	24-12-98	0.0009	24-09-07	0.0216
27-06-81	0.0011	27-03-90	0.1341	25-12-98	0.0008	25-09-07	0.0241
28-06-81	0.0010	28-03-90	0.1247	26-12-98	0.0007	26-09-07	0.0162
29-06-81	0.0008	29-03-90	0.0691	27-12-98	0.0010	27-09-07	0.0112
30-06-81	0.0008	30-03-90	0.2323	28-12-98	0.0012	28-09-07	0.3312
01-07-81	0.0007	31-03-90	0.2847	29-12-98	0.0668	29-09-07	0.5270
02-07-81	0.0454	01-04-90	0.1968	30-12-98	0.1188	30-09-07	0.2593
03-07-81	0.0875	02-04-90	0.1462	31-12-98	0.0662	01-10-07	0.1281
04-07-81	0.0668	03-04-90	0.2815	01-01-99	0.0396	02-10-07	0.1124
05-07-81	0.0523	04-04-90	0.3017	02-01-99	0.0249	03-10-07	0.0950

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
06-07-81	0.0338	05-04-90	0.1966	03-01-99	0.0163	04-10-07	0.0552
07-07-81	0.0228	06-04-90	0.2667	04-01-99	0.0110	05-10-07	0.0342
08-07-81	0.0158	07-04-90	0.3299	05-01-99	0.0076	06-10-07	0.0221
09-07-81	0.1964	08-04-90	0.4004	06-01-99	0.0054	07-10-07	0.0148
10-07-81	0.3262	09-04-90	0.3468	07-01-99	0.0039	08-10-07	0.0102
11-07-81	0.1817	10-04-90	0.2850	08-01-99	0.0172	09-10-07	0.0446
12-07-81	0.0990	11-04-90	0.3293	09-01-99	0.0272	10-10-07	0.0713
13-07-81	0.0594	12-04-90	0.2436	10-01-99	0.0176	11-10-07	0.0464
14-07-81	0.0379	13-04-90	0.2055	11-01-99	0.1641	12-10-07	0.0292
15-07-81	0.0252	14-04-90	0.3053	12-01-99	0.2352	13-10-07	0.0478
16-07-81	0.0229	15-04-90	0.2462	13-01-99	0.1161	14-10-07	0.0553
17-07-81	0.0204	16-04-90	0.1225	14-01-99	0.0647	15-10-07	0.0342
18-07-81	0.0143	17-04-90	0.0689	15-01-99	0.0387	16-10-07	0.0221
19-07-81	0.0102	18-04-90	0.0416	16-01-99	0.0244	17-10-07	0.1984
20-07-81	0.0075	19-04-90	0.0265	17-01-99	0.0159	18-10-07	0.4023
21-07-81	0.0056	20-04-90	0.0175	18-01-99	0.0107	19-10-07	0.2629
22-07-81	0.0042	21-04-90	0.0120	19-01-99	0.0074	20-10-07	0.1290
23-07-81	0.0033	22-04-90	0.0084	20-01-99	0.0053	21-10-07	0.1002
24-07-81	0.0026	23-04-90	0.0562	21-01-99	0.0038	22-10-07	0.0790
25-07-81	0.0020	24-04-90	0.0877	22-01-99	0.0028	23-10-07	0.0470
26-07-81	0.0017	25-04-90	0.0516	23-01-99	0.0021	24-10-07	0.0295
27-07-81	0.0014	26-04-90	0.0323	24-01-99	0.0017	25-10-07	0.0805
28-07-81	0.0012	27-04-90	0.0210	25-01-99	0.0013	26-10-07	0.1979
29-07-81	0.0010	28-04-90	0.0142	26-01-99	0.0011	27-10-07	0.1888
30-07-81	0.0009	29-04-90	0.0098	27-01-99	0.0009	28-10-07	0.1077
31-07-81	0.0008	30-04-90	0.0338	28-01-99	0.0008	29-10-07	0.0615
01-08-81	0.0007	01-05-90	0.1015	29-01-99	0.0007	30-10-07	0.1256

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
02-08-81	0.0006	02-05-90	0.1016	30-01-99	0.0006	31-10-07	0.1771
03-08-81	0.0006	03-05-90	0.0592	31-01-99	0.0006	01-11-07	0.1149
04-08-81	0.0006	04-05-90	0.0368	01-02-99	0.0006	02-11-07	0.0647
05-08-81	0.0005	05-05-90	0.0239	02-02-99	0.0005	03-11-07	0.0391
06-08-81	0.0005	06-05-90	0.0177	03-02-99	0.0005	04-11-07	0.0249
07-08-81	0.0011	07-05-90	0.0344	04-02-99	0.0005	05-11-07	0.0241
08-08-81	0.0043	08-05-90	0.1118	05-02-99	0.0005	06-11-07	0.0243
09-08-81	0.0615	09-05-90	0.1233	06-02-99	0.0005	07-11-07	0.0176
10-08-81	0.1788	10-05-90	0.0701	07-02-99	0.0005	08-11-07	0.0134
11-08-81	0.1609	11-05-90	0.0428	08-02-99	0.0005	09-11-07	0.0243
12-08-81	0.0885	12-05-90	0.0510	09-02-99	0.0005	10-11-07	0.0287
13-08-81	0.0533	13-05-90	0.1221	10-02-99	0.0005	11-11-07	0.0187
14-08-81	0.0340	14-05-90	0.1269	11-02-99	0.0005	12-11-07	0.0126
15-08-81	0.0226	15-05-90	0.0719	12-02-99	0.0005	13-11-07	0.1242
16-08-81	0.0155	16-05-90	0.1134	13-02-99	0.0005	14-11-07	0.1863
17-08-81	0.0109	17-05-90	0.1235	14-02-99	0.0005	15-11-07	0.1049
18-08-81	0.0078	18-05-90	0.0703	15-02-99	0.0005	16-11-07	0.0726
19-08-81	0.0968	19-05-90	0.0430	16-02-99	0.0027	17-11-07	0.0485
20-08-81	0.1548	20-05-90	0.0277	17-02-99	0.0073	18-11-07	0.0302
21-08-81	0.0855	21-05-90	0.0185	18-02-99	0.0068	19-11-07	1.1792
22-08-81	0.0695	22-05-90	0.0127	19-02-99	0.0048	20-11-07	1.3445
23-08-81	0.1983	23-05-90	0.0120	20-02-99	0.0245	21-11-07	0.4862
24-08-81	0.3156	24-05-90	0.0515	21-02-99	0.0387	22-11-07	0.2254
25-08-81	0.2161	25-05-90	0.0722	22-02-99	0.0244	23-11-07	0.1175
26-08-81	0.1126	26-05-90	0.0441	23-02-99	0.0160	24-11-07	0.0689
27-08-81	0.0655	27-05-90	0.0283	24-02-99	0.0108	25-11-07	0.0414
28-08-81	0.0407	28-05-90	0.1066	25-02-99	0.0075	26-11-07	0.0437

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
29-08-81	0.0266	29-05-90	0.1690	26-02-99	0.0053	27-11-07	0.0418
30-08-81	0.1103	30-05-90	0.1084	27-02-99	0.0038	28-11-07	0.0320
31-08-81	0.3371	31-05-90	0.0629	28-02-99	0.0028	29-11-07	0.0345
01-09-81	0.3005	01-06-90	0.1019	01-03-99	0.0021	30-11-07	0.0298
02-09-81	0.1741	02-06-90	0.2605	02-03-99	0.0017	01-12-07	0.0194
03-09-81	0.1834	03-06-90	0.2474	03-03-99	0.0013	02-12-07	0.0129
04-09-81	0.1519	04-06-90	0.1262	04-03-99	0.0011	03-12-07	0.0089
05-09-81	0.0836	05-06-90	0.0726	05-03-99	0.0009	04-12-07	0.0062
06-09-81	0.0561	06-06-90	0.0448	06-03-99	0.0185	05-12-07	0.0115
07-09-81	0.0601	07-06-90	0.0359	07-03-99	0.0751	06-12-07	0.1834
08-09-81	0.0539	08-06-90	0.0612	08-03-99	0.0908	07-12-07	0.2614
09-09-81	0.0340	09-06-90	0.0660	09-03-99	0.0617	08-12-07	0.1279
10-09-81	0.0224	10-06-90	0.0412	10-03-99	0.0433	09-12-07	0.1268
11-09-81	0.0153	11-06-90	0.0270	11-03-99	0.0534	10-12-07	0.1138
12-09-81	0.0658	12-06-90	0.0201	12-03-99	0.2285	11-12-07	0.0639
13-09-81	0.2129	13-06-90	0.0580	13-03-99	0.3931	12-12-07	0.0688
14-09-81	0.2045	14-06-90	0.0772	14-03-99	0.3737	13-12-07	0.1220
15-09-81	0.1069	15-06-90	0.0474	15-03-99	0.2456	14-12-07	0.1117
16-09-81	0.0622	16-06-90	0.0306	16-03-99	0.1201	15-12-07	0.0629
17-09-81	0.0386	17-06-90	0.0301	17-03-99	0.2708	16-12-07	0.0379
18-09-81	0.0251	18-06-90	0.0508	18-03-99	0.3003	17-12-07	0.0241
19-09-81	0.0169	19-06-90	0.0546	19-03-99	0.1420	18-12-07	0.0158
20-09-81	0.0118	20-06-90	0.0369	20-03-99	0.0763	19-12-07	0.0107
21-09-81	0.0083	21-06-90	0.0244	21-03-99	0.0448	20-12-07	0.0701
22-09-81	0.0060	22-06-90	0.0201	22-03-99	0.0278	21-12-07	0.1430
23-09-81	0.0045	23-06-90	0.0167	23-03-99	0.0287	22-12-07	0.1042
24-09-81	0.0034	24-06-90	0.0118	24-03-99	0.0273	23-12-07	0.0592

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
25-09-81	0.0026	25-06-90	0.0085	25-03-99	0.0177	24-12-07	0.0359
26-09-81	0.0020	26-06-90	0.0062	26-03-99	0.0203	25-12-07	0.0229
27-09-81	0.0016	27-06-90	0.0046	27-03-99	0.0207	26-12-07	0.0151
28-09-81	0.0013	28-06-90	0.0347	28-03-99	0.0137	27-12-07	0.0103
29-09-81	0.0011	29-06-90	0.0577	29-03-99	0.0093	28-12-07	0.0072
30-09-81	0.0009	30-06-90	0.0366	30-03-99	0.0065	29-12-07	0.0051
01-10-81	0.0008	01-07-90	0.0243	31-03-99	0.0068	30-12-07	0.0037
02-10-81	0.0007	02-07-90	0.0168	01-04-99	0.3844	31-12-07	0.0028
03-10-81	0.0007	03-07-90	0.0118	02-04-99	1.1018	01-01-08	0.0021
04-10-81	0.0006	04-07-90	0.0086	03-04-99	1.0187	02-01-08	0.0017
05-10-81	0.0006	05-07-90	0.0063	04-04-99	1.4928	03-01-08	0.0013
06-10-81	0.0005	06-07-90	0.0103	05-04-99	1.1439	04-01-08	0.0011
07-10-81	0.0159	07-07-90	0.0128	06-04-99	0.4387	05-01-08	0.0009
08-10-81	0.5624	08-07-90	0.0092	07-04-99	0.1929	06-01-08	0.0008
09-10-81	0.8861	09-07-90	0.0068	08-04-99	0.2498	07-01-08	0.0007
10-10-81	0.4481	10-07-90	0.0051	09-04-99	0.2423	08-01-08	0.0006
11-10-81	0.1978	11-07-90	0.0039	10-04-99	0.1204	09-01-08	0.0006
12-10-81	0.1029	12-07-90	0.0030	11-04-99	0.0675	10-01-08	0.0006
13-10-81	0.0595	13-07-90	0.0040	12-04-99	0.0407	11-01-08	0.0005
14-10-81	0.0367	14-07-90	0.0124	13-04-99	0.0259	12-01-08	0.0005
15-10-81	0.0237	15-07-90	0.0164	14-04-99	0.0171	13-01-08	0.0005
16-10-81	0.0211	16-07-90	0.0116	15-04-99	0.0116	14-01-08	0.0005
17-10-81	0.0711	17-07-90	0.0410	16-04-99	0.0081	15-01-08	0.0005
18-10-81	0.1764	18-07-90	0.0600	17-04-99	0.0058	16-01-08	0.0244
19-10-81	0.2828	19-07-90	0.0380	18-04-99	0.0042	17-01-08	0.0487
20-10-81	0.3457	20-07-90	0.0252	19-04-99	0.0031	18-01-08	0.0301
21-10-81	0.9836	21-07-90	0.0173	20-04-99	0.0024	19-01-08	0.0195

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
22-10-81	0.8542	22-07-90	0.0122	21-04-99	0.0019	20-01-08	0.1292
23-10-81	0.3138	23-07-90	0.0256	22-04-99	0.0015	21-01-08	0.1845
24-10-81	0.1502	24-07-90	0.0338	23-04-99	0.0012	22-01-08	0.0956
25-10-81	0.0818	25-07-90	0.0226	24-04-99	0.0010	23-01-08	0.0549
26-10-81	0.0487	26-07-90	0.0156	25-04-99	0.0009	24-01-08	0.0336
27-10-81	0.0596	27-07-90	0.0186	26-04-99	0.0008	25-01-08	0.0215
28-10-81	0.0609	28-07-90	0.0241	27-04-99	0.0007	26-01-08	0.0142
29-10-81	0.0375	29-07-90	0.0201	28-04-99	0.0006	27-01-08	0.0749
30-10-81	0.0242	30-07-90	0.0140	29-04-99	0.0324	28-01-08	0.1316
31-10-81	0.0162	31-07-90	0.0474	30-04-99	0.1394	29-01-08	0.0999
01-11-81	0.0111	01-08-90	0.0679	01-05-99	0.1742	30-01-08	0.0656
02-11-81	0.0077	02-08-90	0.0499	02-05-99	0.9837	31-01-08	0.0394
03-11-81	0.0055	03-08-90	0.0707	03-05-99	1.0192	01-02-08	0.0248
04-11-81	0.0040	04-08-90	0.0711	04-05-99	0.4368	02-02-08	0.0163
05-11-81	0.1032	05-08-90	0.0442	05-05-99	0.2295	03-02-08	0.0110
06-11-81	0.1696	06-08-90	0.0288	06-05-99	0.1172	04-02-08	0.0076
07-11-81	0.0896	07-08-90	0.0282	07-05-99	0.1609	05-02-08	0.0054
08-11-81	0.0522	08-08-90	0.0264	08-05-99	0.1657	06-02-08	0.0039
09-11-81	0.2359	09-08-90	0.0180	09-05-99	0.0897	07-02-08	0.0029
10-11-81	0.4762	10-08-90	0.0126	10-05-99	1.0138	08-02-08	0.0022
11-11-81	0.3233	11-08-90	0.0090	11-05-99	1.1199	09-02-08	0.0017
12-11-81	0.1845	12-08-90	0.0066	12-05-99	0.4045	10-02-08	0.0013
13-11-81	0.1190	13-08-90	0.0049	13-05-99	0.2109	11-02-08	0.0079
14-11-81	0.0668	14-08-90	0.0037	14-05-99	0.3121	12-02-08	0.0136
15-11-81	0.0537	15-08-90	0.0188	15-05-99	0.3121	13-02-08	0.0208
16-11-81	0.0436	16-08-90	0.0501	16-05-99	0.2325	14-02-08	0.0242
17-11-81	0.0274	17-08-90	0.0613	17-05-99	0.1695	15-02-08	0.0159

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
18-11-81	0.0180	18-08-90	0.0488	18-05-99	0.0915	16-02-08	0.0107
19-11-81	0.0121	19-08-90	0.0314	19-05-99	0.0544	17-02-08	0.0074
20-11-81	0.0084	20-08-90	0.0211	20-05-99	0.0343	18-02-08	0.0175
21-11-81	0.0060	21-08-90	0.0146	21-05-99	0.0226	19-02-08	0.0238
22-11-81	0.0043	22-08-90	0.0103	22-05-99	0.0154	20-02-08	0.0156
23-11-81	0.0032	23-08-90	0.0107	23-05-99	0.0244	21-02-08	0.0105
24-11-81	0.0024	24-08-90	0.0105	24-05-99	0.0576	22-02-08	0.0073
25-11-81	0.0800	25-08-90	0.0076	25-05-99	0.0602	23-02-08	0.0052
26-11-81	0.1373	26-08-90	0.0071	26-05-99	0.0376	24-02-08	0.0038
27-11-81	0.2941	27-08-90	0.0066	27-05-99	0.0246	25-02-08	0.0028
28-11-81	0.3210	28-08-90	0.0275	28-05-99	0.0208	26-02-08	0.0021
29-11-81	0.1515	29-08-90	0.0425	29-05-99	0.0334	27-02-08	0.0016
30-11-81	0.0816	30-08-90	0.0277	30-05-99	0.0358	28-02-08	0.0013
01-12-81	0.0481	31-08-90	0.0187	31-05-99	0.0523	29-02-08	0.0011
02-12-81	0.0299	01-09-90	0.0130	01-06-99	0.0584	01-03-08	0.0009
03-12-81	0.0232	02-09-90	0.0092	02-06-99	0.0368	02-03-08	0.0008
04-12-81	0.0182	03-09-90	0.0067	03-06-99	0.0442	03-03-08	0.0012
05-12-81	0.0821	04-09-90	0.0049	04-06-99	0.0533	04-03-08	0.0015
06-12-81	0.1163	05-09-90	0.0341	05-06-99	0.2153	05-03-08	0.0012
07-12-81	0.0653	06-09-90	0.0561	06-06-99	0.3934	06-03-08	0.0627
08-12-81	0.0679	07-09-90	0.0353	07-06-99	0.2679	07-03-08	0.1117
09-12-81	0.0637	08-09-90	0.0360	08-06-99	0.1341	08-03-08	0.0626
10-12-81	0.1083	09-09-90	0.0342	09-06-99	0.0761	09-03-08	0.0376
11-12-81	0.1669	10-09-90	0.0226	10-06-99	0.0466	10-03-08	0.0238
12-12-81	0.2300	11-09-90	0.0154	11-06-99	0.0301	11-03-08	0.0156
13-12-81	0.1976	12-09-90	0.0308	12-06-99	0.0321	12-03-08	0.0105
14-12-81	0.2272	13-09-90	0.0394	13-06-99	0.0314	13-03-08	0.0122

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
15-12-81	0.3632	14-09-90	0.0257	14-06-99	0.0602	14-03-08	0.0126
16-12-81	0.4268	15-09-90	0.0173	15-06-99	0.0732	15-03-08	0.0086
17-12-81	0.4732	16-09-90	0.0120	16-06-99	0.1369	16-03-08	0.0061
18-12-81	0.4817	17-09-90	0.0085	17-06-99	0.1561	17-03-08	0.0048
19-12-81	0.4820	18-09-90	0.0062	18-06-99	0.0862	18-03-08	0.0038
20-12-81	0.3225	19-09-90	0.0046	19-06-99	0.0520	19-03-08	0.0028
21-12-81	0.1518	20-09-90	0.0035	20-06-99	0.0332	20-03-08	0.0022
22-12-81	0.0815	21-09-90	0.0027	21-06-99	0.0221	21-03-08	0.0062
23-12-81	0.0480	22-09-90	0.0127	22-06-99	0.0152	22-03-08	0.0899
24-12-81	0.1812	23-09-90	0.0223	23-06-99	0.0107	23-03-08	0.2927
25-12-81	0.2342	24-09-90	0.0162	24-06-99	0.0200	24-03-08	1.0094
26-12-81	0.1168	25-09-90	0.0113	25-06-99	0.0516	25-03-08	0.8547
27-12-81	0.1393	26-09-90	0.0081	26-06-99	0.0554	26-03-08	0.3718
28-12-81	0.1366	27-09-90	0.0059	27-06-99	0.0351	27-03-08	0.2106
29-12-81	0.1762	28-09-90	0.0043	28-06-99	0.0233	28-03-08	0.1064
30-12-81	0.4574	29-09-90	0.0740	29-06-99	0.0159	29-03-08	0.0602
31-12-81	0.6123	30-09-90	0.1236	30-06-99	0.0923	30-03-08	0.0364
01-01-82	0.3814	01-10-90	0.0846	01-07-99	0.2605	31-03-08	0.0231
02-01-82	0.1724	02-10-90	0.0607	02-07-99	0.2273	01-04-08	0.0153
03-01-82	0.0904	03-10-90	0.0374	03-07-99	0.1478	02-04-08	0.0105
04-01-82	0.0523	04-10-90	0.0302	04-07-99	0.1042	03-04-08	0.0073
05-01-82	0.0322	05-10-90	0.0280	05-07-99	0.0619	04-04-08	0.0053
06-01-82	0.0207	06-10-90	0.0211	06-07-99	0.0773	05-04-08	0.0039
07-01-82	0.0138	07-10-90	0.0450	07-07-99	0.1211	06-04-08	0.0029
08-01-82	0.0094	08-10-90	0.2684	08-07-99	0.1022	07-04-08	0.0022
09-01-82	0.0066	09-10-90	0.3621	09-07-99	0.0608	08-04-08	0.0017
10-01-82	0.0047	10-10-90	0.2012	10-07-99	0.0385	09-04-08	0.0014

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
11-01-82	0.0076	11-10-90	0.1503	11-07-99	0.0255	10-04-08	0.0011
12-01-82	0.0093	12-10-90	0.1682	12-07-99	0.0175	11-04-08	0.0010
13-01-82	0.0065	13-10-90	0.1283	13-07-99	0.0123	12-04-08	1.3104
14-01-82	0.0047	14-10-90	0.0718	14-07-99	0.0651	13-04-08	1.4500
15-01-82	0.0252	15-10-90	0.0433	15-07-99	0.0983	14-04-08	0.4405
16-01-82	0.0655	16-10-90	0.0276	16-07-99	0.0622	15-04-08	0.1941
17-01-82	0.0595	17-10-90	0.0756	17-07-99	0.0417	16-04-08	0.2640
18-01-82	0.0361	18-10-90	0.0986	18-07-99	0.0274	17-04-08	0.2592
19-01-82	0.0230	19-10-90	0.0572	19-07-99	0.0187	18-04-08	0.1275
20-01-82	0.0152	20-10-90	0.0354	20-07-99	0.0131	19-04-08	0.0712
21-01-82	0.0103	21-10-90	0.0698	21-07-99	0.0094	20-04-08	0.0428
22-01-82	0.0072	22-10-90	0.0840	22-07-99	0.0069	21-04-08	0.0272
23-01-82	0.0051	23-10-90	0.0498	23-07-99	0.0051	22-04-08	0.0179
24-01-82	0.0037	24-10-90	0.0312	24-07-99	0.0283	23-04-08	0.0122
25-01-82	0.0028	25-10-90	0.0223	25-07-99	0.0459	24-04-08	0.0085
26-01-82	0.0021	26-10-90	0.2008	26-07-99	0.0993	25-04-08	0.0061
27-01-82	0.0016	27-10-90	0.2838	27-07-99	0.1208	26-04-08	0.0044
28-01-82	0.0013	28-10-90	0.1385	28-07-99	0.0701	27-04-08	0.0033
29-01-82	0.0011	29-10-90	0.0763	29-07-99	0.0436	28-04-08	0.0025
30-01-82	0.0009	30-10-90	0.0457	30-07-99	0.0285	29-04-08	0.0019
31-01-82	0.0008	31-10-90	0.0289	31-07-99	0.0272	30-04-08	0.0015
01-02-82	0.0007	01-11-90	0.0190	01-08-99	0.0308	01-05-08	0.0353
02-02-82	0.0006	02-11-90	0.0128	02-08-99	0.0252	02-05-08	0.1058
03-02-82	0.0006	03-11-90	0.0088	03-08-99	0.0172	03-05-08	0.1319
04-02-82	0.0006	04-11-90	0.0063	04-08-99	0.0234	04-05-08	0.1029
05-02-82	0.0005	05-11-90	0.0045	05-08-99	0.0480	05-05-08	0.0601
06-02-82	0.0005	06-11-90	0.0034	06-08-99	0.0495	06-05-08	0.0432

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
07-02-82	0.0005	07-11-90	0.0025	07-08-99	0.0318	07-05-08	0.0322
08-02-82	0.0005	08-11-90	0.0020	08-08-99	0.0213	08-05-08	0.0978
09-02-82	0.0005	09-11-90	0.0015	09-08-99	0.0147	09-05-08	0.1280
10-02-82	0.0009	10-11-90	0.0013	10-08-99	0.0104	10-05-08	0.1133
11-02-82	0.0014	11-11-90	0.0010	11-08-99	0.0075	11-05-08	0.0965
12-02-82	0.0012	12-11-90	0.0009	12-08-99	0.0055	12-05-08	0.0569
13-02-82	0.0010	13-11-90	0.9068	13-08-99	0.0042	13-05-08	0.0357
14-02-82	0.0031	14-11-90	1.1019	14-08-99	0.0032	14-05-08	0.0234
15-02-82	0.0050	15-11-90	0.3692	15-08-99	0.0025	15-05-08	0.1072
16-02-82	0.0036	16-11-90	0.1692	16-08-99	0.0020	16-05-08	0.4182
17-02-82	0.0027	17-11-90	0.0896	17-08-99	0.0016	17-05-08	0.4164
18-02-82	0.0025	18-11-90	0.0523	18-08-99	0.0641	18-05-08	0.2503
19-02-82	0.0023	19-11-90	0.0324	19-08-99	0.2235	19-05-08	0.2132
20-02-82	0.0018	20-11-90	0.0210	20-08-99	0.2550	20-05-08	0.1515
21-02-82	0.0014	21-11-90	0.0141	21-08-99	0.2687	21-05-08	0.0835
22-02-82	0.0047	22-11-90	0.0097	22-08-99	0.2093	22-05-08	0.0503
23-02-82	0.0073	23-11-90	0.0649	23-08-99	0.1098	23-05-08	0.1164
24-02-82	0.0052	24-11-90	0.0995	24-08-99	0.0641	24-05-08	0.1423
25-02-82	0.0038	25-11-90	0.0573	25-08-99	0.0400	25-05-08	0.1304
26-02-82	0.0028	26-11-90	0.1600	26-08-99	0.0261	26-05-08	0.1132
27-02-82	0.0021	27-11-90	0.1988	27-08-99	0.0258	27-05-08	0.0655
28-02-82	0.0016	28-11-90	0.1025	28-08-99	0.0282	28-05-08	0.3321
01-03-82	0.0013	29-11-90	0.0588	29-08-99	0.0220	29-05-08	0.4999
02-03-82	0.0011	30-11-90	0.0360	30-08-99	0.0194	30-05-08	0.3698
03-03-82	0.0009	01-12-90	0.0231	31-08-99	0.0169	31-05-08	0.2395
04-03-82	0.0008	02-12-90	0.0154	01-09-99	0.0118	01-06-08	0.1346
05-03-82	0.0007	03-12-90	0.2509	02-09-99	0.0083	02-06-08	0.0852

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
06-03-82	0.0006	04-12-90	0.3612	03-09-99	0.0060	03-06-08	0.0874
07-03-82	0.0014	05-12-90	0.1665	04-09-99	0.0045	04-06-08	0.0978
08-03-82	0.0021	06-12-90	0.0885	05-09-99	0.0536	05-06-08	0.0980
09-03-82	0.0016	07-12-90	0.0517	06-09-99	0.0898	06-06-08	0.0794
10-03-82	0.0013	08-12-90	0.0321	07-09-99	0.0533	07-06-08	0.0719
11-03-82	0.0011	09-12-90	0.0208	08-09-99	0.0335	08-06-08	0.0629
12-03-82	0.0009	10-12-90	0.1472	09-09-99	0.0701	09-06-08	0.0459
13-03-82	0.0008	11-12-90	0.2093	10-09-99	0.1235	10-06-08	0.0346
14-03-82	0.0235	12-12-90	0.1070	11-09-99	0.0980	11-06-08	0.0231
15-03-82	0.0449	13-12-90	0.0922	12-09-99	0.0574	12-06-08	0.0159
16-03-82	0.0279	14-12-90	0.6004	13-09-99	0.0358	13-06-08	0.0113
17-03-82	0.0181	15-12-90	0.6515	14-09-99	0.0250	14-06-08	0.0224
18-03-82	0.0121	16-12-90	0.2588	15-09-99	0.0226	15-06-08	0.1666
19-03-82	0.0083	17-12-90	0.1271	16-09-99	0.0352	16-06-08	0.4678
20-03-82	0.0059	18-12-90	0.0708	17-09-99	0.0371	17-06-08	0.3906
21-03-82	0.0042	19-12-90	0.1163	18-09-99	0.0241	18-06-08	0.1826
22-03-82	0.0031	20-12-90	0.1274	19-09-99	0.0162	19-06-08	0.0989
23-03-82	0.0023	21-12-90	0.0710	20-09-99	0.0112	20-06-08	0.0590
24-03-82	0.0018	22-12-90	0.0426	21-09-99	0.0079	21-06-08	0.0375
25-03-82	0.0014	23-12-90	0.0270	22-09-99	0.0058	22-06-08	0.0329
26-03-82	0.0012	24-12-90	0.0177	23-09-99	0.0210	23-06-08	0.1418
27-03-82	0.0010	25-12-90	0.0120	24-09-99	0.0318	24-06-08	0.1835
28-03-82	0.0012	26-12-90	0.0084	25-09-99	0.0209	25-06-08	0.0993
29-03-82	0.0019	27-12-90	0.0060	26-09-99	0.0142	26-06-08	0.0593
30-03-82	0.1096	28-12-90	0.0043	27-09-99	0.0099	27-06-08	0.1306
31-03-82	0.4061	29-12-90	0.0032	28-09-99	0.0325	28-06-08	0.1567
01-04-82	0.3868	30-12-90	0.0024	29-09-99	0.0471	29-06-08	0.0870

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
02-04-82	0.2930	31-12-90	0.0019	30-09-99	0.0299	30-06-08	0.0528
03-04-82	0.2667	01-01-91	0.0015	01-10-99	0.0197	01-07-08	0.0339
04-04-82	0.1745	02-01-91	0.0012	02-10-99	0.0134	02-07-08	0.0228
05-04-82	0.0923	03-01-91	0.0010	03-10-99	0.0094	03-07-08	0.0219
06-04-82	0.1657	04-01-91	0.0009	04-10-99	0.0067	04-07-08	0.0203
07-04-82	0.1846	05-01-91	0.0008	05-10-99	0.0600	05-07-08	0.0142
08-04-82	0.0967	06-01-91	0.0007	06-10-99	0.1835	06-07-08	0.0101
09-04-82	0.0604	07-01-91	0.0006	07-10-99	0.1658	07-07-08	0.0074
10-04-82	0.0401	08-01-91	0.0006	08-10-99	0.0891	08-07-08	0.0055
11-04-82	0.0256	09-01-91	0.0006	09-10-99	0.0739	09-07-08	0.0076
12-04-82	0.0170	10-01-91	0.0005	10-10-99	0.0882	10-07-08	0.0088
13-04-82	0.0136	11-01-91	0.0005	11-10-99	0.1838	11-07-08	0.0065
14-04-82	0.1175	12-01-91	0.0005	12-10-99	0.1929	12-07-08	0.0049
15-04-82	0.2322	13-01-91	0.0005	13-10-99	0.1039	13-07-08	0.0037
16-04-82	0.2285	14-01-91	0.0005	14-10-99	0.0602	14-07-08	0.0029
17-04-82	0.4927	15-01-91	0.0005	15-10-99	0.0372	15-07-08	0.0405
18-04-82	0.4536	16-01-91	0.0005	16-10-99	0.0241	16-07-08	0.1604
19-04-82	0.2434	17-01-91	0.0005	17-10-99	0.0161	17-07-08	0.1628
20-04-82	0.1535	18-01-91	0.0005	18-10-99	0.0111	18-07-08	0.0900
21-04-82	0.0831	19-01-91	0.0005	19-10-99	0.0126	19-07-08	0.0544
22-04-82	0.0883	20-01-91	0.0005	20-10-99	0.0130	20-07-08	0.0349
23-04-82	0.1304	21-01-91	0.0005	21-10-99	0.0139	21-07-08	0.0414
24-04-82	0.5604	22-01-91	0.0005	22-10-99	0.0139	22-07-08	0.1336
25-04-82	0.5786	23-01-91	0.0005	23-10-99	0.0097	23-07-08	0.1551
26-04-82	0.3653	24-01-91	0.0005	24-10-99	0.0069	24-07-08	0.0863
27-04-82	0.2579	25-01-91	0.0005	25-10-99	0.0050	25-07-08	0.0525
28-04-82	0.1277	26-01-91	0.0005	26-10-99	0.0037	26-07-08	0.0337

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
29-04-82	0.0717	27-01-91	0.0098	27-10-99	0.0028	27-07-08	0.0225
30-04-82	0.0433	28-01-91	0.0204	28-10-99	0.0022	28-07-08	0.0156
01-05-82	0.0278	29-01-91	0.0136	29-10-99	0.0017	29-07-08	0.0110
02-05-82	1.6051	30-01-91	0.0093	30-10-99	0.0488	30-07-08	0.0230
03-05-82	1.6122	31-01-91	0.0814	31-10-99	0.0876	31-07-08	0.0883
04-05-82	0.4771	01-02-91	0.1595	01-11-99	0.0515	01-08-08	0.1544
05-05-82	0.2097	02-02-91	0.1086	02-11-99	0.0319	02-08-08	0.1235
06-05-82	0.1533	03-02-91	0.0610	03-11-99	0.0207	03-08-08	0.0710
07-05-82	0.1622	04-02-91	0.0368	04-11-99	0.0138	04-08-08	0.0438
08-05-82	0.7217	05-02-91	0.0233	05-11-99	0.0095	05-08-08	0.0284
09-05-82	0.7313	06-02-91	0.0153	06-11-99	0.0067	06-08-08	0.0191
10-05-82	0.8156	07-02-91	0.0103	07-11-99	0.0048	07-08-08	0.0132
11-05-82	0.7432	08-02-91	0.0072	08-11-99	0.0036	08-08-08	0.0094
12-05-82	0.5937	09-02-91	0.0051	09-11-99	0.0027	09-08-08	0.0103
13-05-82	0.9032	10-02-91	0.0037	10-11-99	0.0021	10-08-08	0.0169
14-05-82	0.8517	11-02-91	0.0027	11-11-99	0.0016	11-08-08	0.0175
15-05-82	0.6633	12-02-91	0.0021	12-11-99	0.0013	12-08-08	0.0122
16-05-82	0.4092	13-02-91	0.0016	13-11-99	0.0011	13-08-08	0.0593
17-05-82	0.1871	14-02-91	0.0013	14-11-99	0.0009	14-08-08	0.0887
18-05-82	0.0997	15-02-91	0.0011	15-11-99	0.0008	15-08-08	0.0532
19-05-82	0.0588	16-02-91	0.0009	16-11-99	0.1450	16-08-08	0.0338
20-05-82	0.6326	17-02-91	0.0008	17-11-99	0.2444	17-08-08	0.0223
21-05-82	0.7513	18-02-91	0.0007	18-11-99	0.1212	18-08-08	0.0153
22-05-82	0.3099	19-02-91	0.0006	19-11-99	0.0679	19-08-08	0.0107
23-05-82	0.7121	20-02-91	0.0006	20-11-99	0.0409	20-08-08	0.0114
24-05-82	0.6787	21-02-91	0.0047	21-11-99	0.0259	21-08-08	0.0113
25-05-82	0.2722	22-02-91	0.0091	22-11-99	0.0278	22-08-08	0.0081

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
26-05-82	0.1581	23-02-91	0.0063	23-11-99	0.0498	23-08-08	0.0059
27-05-82	0.1206	24-02-91	0.0045	24-11-99	0.0995	24-08-08	0.0286
28-05-82	0.1043	25-02-91	0.0033	25-11-99	1.5871	25-08-08	0.0452
29-05-82	0.0775	26-02-91	0.0025	26-11-99	1.5766	26-08-08	0.0291
30-05-82	0.0472	27-02-91	0.0019	27-11-99	0.7526	27-08-08	0.0195
31-05-82	0.0303	28-02-91	0.0015	28-11-99	0.4307	28-08-08	0.0159
01-06-82	0.0203	01-03-91	0.0012	29-11-99	0.1904	29-08-08	0.0462
02-06-82	0.0141	02-03-91	0.0010	30-11-99	0.0988	30-08-08	0.0610
03-06-82	0.0100	03-03-91	0.0009	01-12-99	0.0568	31-08-08	0.0381
04-06-82	0.0072	04-03-91	0.0007	02-12-99	0.0348	01-09-08	0.0248
05-06-82	0.0054	05-03-91	0.0007	03-12-99	0.0223	02-09-08	0.0534
06-06-82	0.0040	06-03-91	0.0051	04-12-99	0.0148	03-09-08	0.0674
07-06-82	0.0031	07-03-91	0.0096	05-12-99	0.0101	04-09-08	0.0639
08-06-82	0.0024	08-03-91	0.0067	06-12-99	0.0071	05-09-08	0.0574
09-06-82	0.0019	09-03-91	0.0047	07-12-99	0.0051	06-09-08	0.0358
10-06-82	0.0016	10-03-91	0.0034	08-12-99	0.0037	07-09-08	0.0234
11-06-82	0.0013	11-03-91	0.0026	09-12-99	0.0028	08-09-08	0.0188
12-06-82	0.0052	12-03-91	0.0020	10-12-99	0.0021	09-09-08	0.0153
13-06-82	0.0691	13-03-91	0.0037	11-12-99	0.0043	10-09-08	0.0106
14-06-82	0.2049	14-03-91	0.0050	12-12-99	0.0739	11-09-08	0.0076
15-06-82	0.1874	15-03-91	0.0281	13-12-99	0.1154	12-09-08	0.0099
16-06-82	0.1805	16-03-91	0.0446	14-12-99	0.1049	13-09-08	0.0180
17-06-82	0.1605	17-03-91	0.0277	15-12-99	0.0904	14-09-08	0.0184
18-06-82	0.0885	18-03-91	0.0179	16-12-99	0.0780	15-09-08	0.0126
19-06-82	0.0534	19-03-91	0.0120	17-12-99	0.0657	16-09-08	0.0089
20-06-82	0.0362	20-03-91	0.0082	18-12-99	0.0396	17-09-08	0.0064
21-06-82	0.0255	21-03-91	0.0058	19-12-99	0.0251	18-09-08	0.0047

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
22-06-82	0.0174	22-03-91	0.0042	20-12-99	0.1298	19-09-08	0.0035
23-06-82	0.0572	23-03-91	0.0031	21-12-99	0.1799	20-09-08	0.0027
24-06-82	0.0864	24-03-91	0.0023	22-12-99	0.0940	21-09-08	0.0021
25-06-82	0.0851	25-03-91	0.0296	23-12-99	0.0544	22-09-08	0.0515
26-06-82	0.0737	26-03-91	0.0924	24-12-99	0.0334	23-09-08	0.0913
27-06-82	0.6122	27-03-91	0.4578	25-12-99	0.0288	24-09-08	0.0539
28-06-82	0.7159	28-03-91	0.8018	26-12-99	0.1414	25-09-08	0.0338
29-06-82	0.2844	29-03-91	0.5570	27-12-99	0.1953	26-09-08	0.0291
30-06-82	0.1420	30-03-91	0.2927	28-12-99	0.3819	27-09-08	0.0955
01-07-82	0.1709	31-03-91	0.1557	29-12-99	0.3861	28-09-08	0.1197
02-07-82	0.1684	01-04-91	0.0830	30-12-99	0.1746	29-09-08	0.0681
03-07-82	0.0928	02-04-91	0.0694	31-12-99	0.0917	30-09-08	0.0416
04-07-82	0.0560	03-04-91	0.0575	01-01-00	0.0532	01-10-08	0.0266
05-07-82	0.0464	04-04-91	0.0606	02-01-00	0.0328	02-10-08	0.0175
06-07-82	0.0386	05-04-91	0.0575	03-01-00	0.0211	03-10-08	0.0119
07-07-82	0.0256	06-04-91	0.0352	04-01-00	0.0141	04-10-08	0.0083
08-07-82	0.0176	07-04-91	0.0226	05-01-00	0.0097	05-10-08	0.0079
09-07-82	0.0124	08-04-91	0.0150	06-01-00	0.0068	06-10-08	0.0111
10-07-82	0.0089	09-04-91	0.0103	07-01-00	0.0049	07-10-08	0.0111
11-07-82	0.0066	10-04-91	0.0072	08-01-00	0.0036	08-10-08	0.0078
12-07-82	0.0049	11-04-91	0.0052	09-01-00	0.0027	09-10-08	0.0056
13-07-82	0.0038	12-04-91	0.0038	10-01-00	0.0021	10-10-08	0.0041
14-07-82	0.0029	13-04-91	0.0989	11-01-00	0.0016	11-10-08	0.2388
15-07-82	0.0023	14-04-91	0.3571	12-01-00	0.0013	12-10-08	0.3682
16-07-82	0.0018	15-04-91	0.3724	13-01-00	0.0011	13-10-08	0.1691
17-07-82	0.0015	16-04-91	0.2131	14-01-00	0.0009	14-10-08	0.0897
18-07-82	0.0013	17-04-91	0.1084	15-01-00	0.0008	15-10-08	0.0548

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
19-07-82	0.0011	18-04-91	0.0617	16-01-00	0.0007	16-10-08	0.0405
20-07-82	0.0009	19-04-91	0.0468	17-01-00	0.0006	17-10-08	0.0294
21-07-82	0.1283	20-04-91	0.0364	18-01-00	0.0006	18-10-08	0.0192
22-07-82	0.2582	21-04-91	0.0233	19-01-00	0.0006	19-10-08	0.0130
23-07-82	0.1568	22-04-91	0.0155	20-01-00	0.0005	20-10-08	0.0090
24-07-82	0.0918	23-04-91	0.0106	21-01-00	0.0005	21-10-08	0.0064
25-07-82	0.3580	24-04-91	0.0075	22-01-00	0.0005	22-10-08	0.0046
26-07-82	0.6270	25-04-91	0.0053	23-01-00	0.0015	23-10-08	0.0034
27-07-82	0.4749	26-04-91	0.0039	24-01-00	0.0029	24-10-08	0.0026
28-07-82	0.2653	27-04-91	0.0029	25-01-00	0.0139	25-10-08	0.0029
29-07-82	0.1341	28-04-91	0.0022	26-01-00	0.0219	26-10-08	0.5403
30-07-82	0.0767	29-04-91	0.0018	27-01-00	0.0145	27-10-08	0.7272
31-07-82	0.0473	30-04-91	0.0014	28-01-00	0.0099	28-10-08	0.2788
01-08-82	0.0307	01-05-91	0.0012	29-01-00	0.0070	29-10-08	0.1358
02-08-82	0.0207	02-05-91	0.0010	30-01-00	0.0050	30-10-08	0.0746
03-08-82	0.0144	03-05-91	0.0009	31-01-00	0.0036	31-10-08	0.0660
04-08-82	0.0103	04-05-91	1.7239	01-02-00	0.0027	01-11-08	0.0566
05-08-82	0.0075	05-05-91	1.7640	02-02-00	0.0021	02-11-08	0.0347
06-08-82	0.0056	06-05-91	0.5016	03-02-00	0.0016	03-11-08	0.0223
07-08-82	0.0090	07-05-91	0.2168	04-02-00	0.0035	04-11-08	0.0148
08-08-82	0.1160	08-05-91	0.1118	05-02-00	0.0050	05-11-08	0.0101
09-08-82	0.2285	09-05-91	0.0644	06-02-00	0.0036	06-11-08	0.1733
10-08-82	0.1597	10-05-91	0.1880	07-02-00	0.0027	07-11-08	0.3158
11-08-82	0.0884	11-05-91	0.2329	08-02-00	0.0021	08-11-08	0.3923
12-08-82	0.0535	12-05-91	0.1186	09-02-00	0.0106	09-11-08	0.4148
13-08-82	0.0343	13-05-91	0.0679	10-02-00	0.0187	10-11-08	0.7363
14-08-82	0.0229	14-05-91	0.0417	11-02-00	0.0134	11-11-08	0.6232

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
15-08-82	0.0158	15-05-91	0.0269	12-02-00	0.0092	12-11-08	0.2500
16-08-82	0.0112	16-05-91	0.0180	13-02-00	0.0064	13-11-08	0.1232
17-08-82	0.0122	17-05-91	0.0124	14-02-00	0.0046	14-11-08	0.0688
18-08-82	0.0172	18-05-91	0.0088	15-02-00	0.0034	15-11-08	0.0456
19-08-82	0.0161	19-05-91	0.0063	16-02-00	0.0025	16-11-08	0.0573
20-08-82	0.0114	20-05-91	0.0047	17-02-00	0.0019	17-11-08	0.0562
21-08-82	0.0082	21-05-91	0.0035	18-02-00	0.0015	18-11-08	0.0345
22-08-82	0.0060	22-05-91	1.0392	19-02-00	0.0012	19-11-08	0.0222
23-08-82	0.0045	23-05-91	1.2107	20-02-00	0.0010	20-11-08	0.0148
24-08-82	0.0114	24-05-91	0.3992	21-02-00	0.0009	21-11-08	0.0101
25-08-82	0.0164	25-05-91	0.1831	22-02-00	0.0008	22-11-08	0.0071
26-08-82	0.0212	26-05-91	0.0976	23-02-00	0.0007	23-11-08	0.0051
27-08-82	0.0232	27-05-91	0.0575	24-02-00	0.0009	24-11-08	0.0037
28-08-82	0.0159	28-05-91	0.0360	25-02-00	0.0017	25-11-08	0.0028
29-08-82	0.0112	29-05-91	0.0236	26-02-00	0.0018	26-11-08	0.0021
30-08-82	0.0081	30-05-91	0.0160	27-02-00	0.0014	27-11-08	0.0017
31-08-82	0.0099	31-05-91	0.0112	28-02-00	0.0012	28-11-08	0.0604
01-09-82	0.0107	01-06-91	0.0080	29-02-00	0.0010	29-11-08	0.4159
02-09-82	0.0077	02-06-91	0.0059	01-03-00	0.0063	30-11-08	0.7497
03-09-82	0.0056	03-06-91	0.0055	02-03-00	0.0153	01-12-08	0.4954
04-09-82	0.0042	04-06-91	0.0084	03-03-00	0.0136	02-12-08	0.2111
05-09-82	0.0032	05-06-91	0.0141	04-03-00	0.0093	03-12-08	0.1447
06-09-82	0.0025	06-06-91	0.0143	05-03-00	0.0064	04-12-08	0.1057
07-09-82	0.0020	07-06-91	0.0101	06-03-00	0.0046	05-12-08	0.0602
08-09-82	0.0016	08-06-91	0.0073	07-03-00	0.0033	06-12-08	0.0367
09-09-82	0.0184	09-06-91	0.0123	08-03-00	0.0025	07-12-08	0.0234
10-09-82	0.0348	10-06-91	0.0154	09-03-00	0.0019	08-12-08	0.0391

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
11-09-82	0.1062	11-06-91	0.0108	10-03-00	0.0015	09-12-08	0.0461
12-09-82	0.4429	12-06-91	0.0078	11-03-00	0.0012	10-12-08	0.0288
13-09-82	0.6031	13-06-91	0.0057	12-03-00	0.0010	11-12-08	0.0188
14-09-82	0.3624	14-06-91	0.0043	13-03-00	0.0008	12-12-08	0.0127
15-09-82	0.1705	15-06-91	0.0476	14-03-00	0.0007	13-12-08	0.0088
16-09-82	0.0923	16-06-91	0.1291	15-03-00	0.0007	14-12-08	0.0062
17-09-82	0.0549	17-06-91	0.1519	16-03-00	0.0006	15-12-08	0.0061
18-09-82	0.0347	18-06-91	0.1490	17-03-00	0.0008	16-12-08	0.0059
19-09-82	0.0526	19-06-91	0.1186	18-03-00	0.0093	17-12-08	0.0043
20-09-82	0.0594	20-06-91	0.0887	19-03-00	0.0169	18-12-08	0.0032
21-09-82	0.0372	21-06-91	0.0783	20-03-00	0.0579	19-12-08	0.0054
22-09-82	0.0243	22-06-91	0.2296	21-03-00	0.1456	20-12-08	0.0068
23-09-82	0.0165	23-06-91	0.2644	22-03-00	0.2066	21-12-08	0.0049
24-09-82	0.0218	24-06-91	0.1329	23-03-00	0.2284	22-12-08	0.0036
25-09-82	0.0513	25-06-91	0.0757	24-03-00	0.1616	23-12-08	0.0027
26-09-82	0.0690	26-06-91	0.0562	25-03-00	0.2395	24-12-08	0.0021
27-09-82	0.0559	27-06-91	0.2807	26-03-00	0.2425	25-12-08	0.0016
28-09-82	0.0674	28-06-91	0.3494	27-03-00	0.1189	26-12-08	0.0577
29-09-82	0.1020	29-06-91	0.1666	28-03-00	0.0659	27-12-08	0.1330
30-09-82	0.1036	30-06-91	0.0911	29-03-00	0.0393	28-12-08	0.1542
01-10-82	0.0717	01-07-91	0.0548	30-03-00	0.0247	29-12-08	0.1282
02-10-82	0.0436	02-07-91	0.0351	31-03-00	0.0161	30-12-08	0.0707
03-10-82	0.0279	03-07-91	0.0234	01-04-00	0.0694	31-12-08	0.0423
04-10-82	0.0185	04-07-91	0.0162	02-04-00	0.0991	01-01-09	0.0266
05-10-82	0.0127	05-07-91	0.0486	03-04-00	0.0568	02-01-09	0.0173
06-10-82	0.0684	06-07-91	0.1084	04-04-00	0.0347	03-01-09	0.0117
07-10-82	0.1497	07-07-91	0.2674	05-04-00	0.0223	04-01-09	0.0080

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
08-10-82	0.1240	08-07-91	0.2741	06-04-00	0.1018	05-01-09	0.0057
09-10-82	0.0820	09-07-91	0.1377	07-04-00	0.1424	06-01-09	0.0041
10-10-82	0.0901	10-07-91	0.0785	08-04-00	0.0772	07-01-09	0.0030
11-10-82	0.3681	11-07-91	0.0483	09-04-00	0.4955	08-01-09	0.0023
12-10-82	0.5824	12-07-91	0.0313	10-04-00	0.5836	09-01-09	0.0018
13-10-82	1.3948	13-07-91	0.0284	11-04-00	0.2380	10-01-09	0.0014
14-10-82	1.1788	14-07-91	0.0594	12-04-00	0.1183	11-01-09	0.0011
15-10-82	0.6391	15-07-91	0.0676	13-04-00	0.3269	12-01-09	0.0010
16-10-82	0.4402	16-07-91	0.0423	14-04-00	0.3692	13-01-09	0.0008
17-10-82	0.2900	17-07-91	0.0277	15-04-00	0.1688	14-01-09	0.0007
18-10-82	0.1883	18-07-91	0.0188	16-04-00	0.0892	15-01-09	0.0007
19-10-82	0.1050	19-07-91	0.0132	17-04-00	0.0520	16-01-09	0.0006
20-10-82	0.0815	20-07-91	0.0486	18-04-00	0.0322	17-01-09	0.0006
21-10-82	0.0628	21-07-91	0.0708	19-04-00	0.0208	18-01-09	0.0005
22-10-82	0.0387	22-07-91	0.0440	20-04-00	0.0139	19-01-09	0.0005
23-10-82	0.0250	23-07-91	0.0287	21-04-00	0.0096	20-01-09	0.0005
24-10-82	0.0168	24-07-91	0.0341	22-04-00	0.0068	21-01-09	0.0005
25-10-82	0.0116	25-07-91	0.1021	23-04-00	0.0049	22-01-09	0.0005
26-10-82	0.0082	26-07-91	0.1183	24-04-00	0.0036	23-01-09	0.0005
27-10-82	0.0059	27-07-91	0.0688	25-04-00	0.0027	24-01-09	0.0005
28-10-82	0.0044	28-07-91	0.0428	26-04-00	0.0021	25-01-09	0.0005
29-10-82	0.0033	29-07-91	0.0653	27-04-00	0.0016	26-01-09	0.0018
30-10-82	0.0025	30-07-91	0.1588	28-04-00	0.0013	27-01-09	0.0227
31-10-82	0.0020	31-07-91	0.1586	29-04-00	0.0011	28-01-09	0.0385
01-11-82	0.0016	01-08-91	0.1134	30-04-00	0.0009	29-01-09	0.0262
02-11-82	0.0013	02-08-91	0.0855	01-05-00	0.0011	30-01-09	0.0337
03-11-82	0.0373	03-08-91	0.0521	02-05-00	0.0013	31-01-09	0.0358

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
04-11-82	0.0685	04-08-91	0.0335	03-05-00	0.0205	01-02-09	0.0227
05-11-82	0.0414	05-08-91	0.0225	04-05-00	0.6871	02-02-09	0.0149
06-11-82	0.0263	06-08-91	0.0155	05-05-00	0.8337	03-02-09	0.0101
07-11-82	0.0173	07-08-91	0.0110	06-05-00	1.4360	04-02-09	0.0070
08-11-82	0.0118	08-08-91	0.0080	07-05-00	1.1506	05-02-09	0.0050
09-11-82	0.0082	09-08-91	0.0164	08-05-00	0.3960	06-02-09	0.0094
10-11-82	0.0059	10-08-91	0.1774	09-05-00	0.2924	07-02-09	0.0482
11-11-82	0.0043	11-08-91	0.4081	10-05-00	0.2182	08-02-09	0.0641
12-11-82	0.0032	12-08-91	0.3031	11-05-00	0.1122	09-02-09	0.0384
13-11-82	0.0024	13-08-91	0.1957	12-05-00	0.0745	10-02-09	0.0242
14-11-82	0.0019	14-08-91	0.1382	13-05-00	0.0525	11-02-09	0.0159
15-11-82	0.0015	15-08-91	0.0813	14-05-00	0.0330	12-02-09	0.0107
16-11-82	0.0012	16-08-91	0.1582	15-05-00	0.0238	13-02-09	0.0074
17-11-82	0.4068	17-08-91	0.2106	16-05-00	0.4106	14-02-09	0.0052
18-11-82	0.8618	18-08-91	0.1341	17-05-00	0.5425	15-02-09	0.0038
19-11-82	0.4841	19-08-91	0.0766	18-05-00	0.2297	16-02-09	0.0028
20-11-82	0.2084	20-08-91	0.0471	19-05-00	0.1172	17-02-09	0.0305
21-11-82	0.1068	21-08-91	0.0305	20-05-00	0.0671	18-02-09	0.0524
22-11-82	0.0611	22-08-91	0.0206	21-05-00	0.0412	19-02-09	0.0321
23-11-82	0.0373	23-08-91	0.0143	22-05-00	0.0280	20-02-09	0.0205
24-11-82	0.0240	24-08-91	0.0415	23-05-00	0.0198	21-02-09	0.0136
25-11-82	0.0159	25-08-91	0.0829	24-05-00	0.0149	22-02-09	0.0093
26-11-82	0.2624	26-08-91	0.0728	25-05-00	0.0132	23-02-09	0.0065
27-11-82	0.3756	27-08-91	0.0472	26-05-00	0.0107	24-02-09	0.0046
28-11-82	0.4533	28-08-91	0.0305	27-05-00	0.0076	25-02-09	0.0034
29-11-82	0.4058	29-08-91	0.0235	28-05-00	0.0056	26-02-09	0.0052
30-11-82	0.3173	30-08-91	0.0212	29-05-00	0.0041	27-02-09	0.0114

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
01-12-82	0.2486	31-08-91	0.0289	30-05-00	0.0031	28-02-09	0.0124
02-12-82	0.3206	01-09-91	0.0298	31-05-00	0.0028	01-03-09	0.0085
03-12-82	0.3033	02-09-91	0.0241	01-06-00	0.0026	02-03-09	0.0059
04-12-82	0.4199	03-09-91	0.0197	02-06-00	0.0020	03-03-09	0.0074
05-12-82	0.3936	04-09-91	0.0136	03-06-00	0.0337	04-03-09	0.0081
06-12-82	0.2415	05-09-91	0.0096	04-06-00	0.1545	05-03-09	0.0057
07-12-82	0.2148	06-09-91	0.0069	05-06-00	0.2293	06-03-09	0.0041
08-12-82	0.1443	07-09-91	0.0051	06-06-00	0.1666	07-03-09	0.0030
09-12-82	0.0783	08-09-91	0.0038	07-06-00	0.1558	08-03-09	0.0023
10-12-82	0.1718	09-09-91	0.0029	08-06-00	0.1367	09-03-09	0.0017
11-12-82	0.2006	10-09-91	0.0106	09-06-00	0.0777	10-03-09	0.0043
12-12-82	0.1030	11-09-91	0.0474	10-06-00	0.0477	11-03-09	0.0062
13-12-82	0.0590	12-09-91	0.0585	11-06-00	0.0308	12-03-09	0.0133
14-12-82	0.0360	13-09-91	0.0366	12-06-00	0.0207	13-03-09	0.0178
15-12-82	0.0231	14-09-91	0.0240	13-06-00	0.0144	14-03-09	0.0119
16-12-82	0.0153	15-09-91	0.0163	14-06-00	0.0454	15-03-09	0.0081
17-12-82	0.0111	16-09-91	0.0113	15-06-00	0.0642	16-03-09	0.0057
18-12-82	0.0183	17-09-91	0.0081	16-06-00	0.0403	17-03-09	0.0041
19-12-82	0.0215	18-09-91	0.0059	17-06-00	0.0265	18-03-09	0.0030
20-12-82	0.0144	19-09-91	0.0182	18-06-00	0.1054	19-03-09	0.0023
21-12-82	0.0099	20-09-91	0.0269	19-06-00	0.3704	20-03-09	0.0017
22-12-82	0.0686	21-09-91	0.0219	20-06-00	0.3460	21-03-09	0.0014
23-12-82	0.1226	22-09-91	0.0180	21-06-00	0.1660	22-03-09	0.0011
24-12-82	0.0808	23-09-91	0.0124	22-06-00	0.0911	23-03-09	0.0009
25-12-82	0.0477	24-09-91	0.0088	23-06-00	0.1219	24-03-09	0.0008
26-12-82	0.1319	25-09-91	0.0064	24-06-00	0.1253	25-03-09	0.0007
27-12-82	0.1642	26-09-91	0.0047	25-06-00	0.0850	26-03-09	0.0006

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
28-12-82	0.0873	27-09-91	0.0035	26-06-00	0.1383	27-03-09	0.0006
29-12-82	0.0510	28-09-91	0.0027	27-06-00	0.1419	28-03-09	0.0006
30-12-82	0.0316	29-09-91	0.0021	28-06-00	0.0863	29-03-09	0.0033
31-12-82	0.0205	30-09-91	0.0227	29-06-00	0.0570	30-03-09	0.0063
01-01-83	0.0137	01-10-91	0.0402	30-06-00	0.0362	31-03-09	0.2123
02-01-83	0.0093	02-10-91	0.0256	01-07-00	0.0240	01-04-09	0.3544
03-01-83	0.0199	03-10-91	0.0189	02-07-00	0.0237	02-04-09	0.1819
04-01-83	0.0261	04-10-91	0.0170	03-07-00	0.0544	03-04-09	0.0946
05-01-83	0.0171	05-10-91	0.0170	04-07-00	0.0631	04-04-09	0.0544
06-01-83	0.0115	06-10-91	0.0152	05-07-00	0.0396	05-04-09	0.0766
07-01-83	0.0079	07-10-91	0.0929	06-07-00	0.0260	06-04-09	0.1337
08-01-83	0.0056	08-10-91	0.1357	07-07-00	0.0177	07-04-09	0.3246
09-01-83	0.0041	09-10-91	0.0745	08-07-00	0.0124	08-04-09	0.3162
10-01-83	0.0042	10-10-91	0.0445	09-07-00	0.0354	09-04-09	0.1491
11-01-83	0.0040	11-10-91	0.0281	10-07-00	0.0497	10-04-09	0.0802
12-01-83	0.0030	12-10-91	0.0184	11-07-00	0.0319	11-04-09	0.1071
13-01-83	0.0023	13-10-91	0.0125	12-07-00	0.0214	12-04-09	0.1097
14-01-83	0.0018	14-10-91	0.0183	13-07-00	0.0147	13-04-09	0.0620
15-01-83	0.0057	15-10-91	0.0625	14-07-00	0.0104	14-04-09	0.0376
16-01-83	0.0089	16-10-91	0.0750	15-07-00	0.0075	15-04-09	0.0239
17-01-83	0.0063	17-10-91	0.1369	16-07-00	0.0056	16-04-09	0.0158
18-01-83	0.0045	18-10-91	0.1536	17-07-00	0.0042	17-04-09	0.0108
19-01-83	0.0033	19-10-91	0.0828	18-07-00	0.0032	18-04-09	0.0075
20-01-83	0.0025	20-10-91	0.0488	19-07-00	0.0025	19-04-09	0.0226
21-01-83	0.0019	21-10-91	0.0305	20-07-00	0.0201	20-04-09	0.0326
22-01-83	0.0015	22-10-91	0.0199	21-07-00	0.0351	21-04-09	0.0210
23-01-83	0.0012	23-10-91	0.0134	22-07-00	0.0232	22-04-09	0.0199

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
24-01-83	0.0010	24-10-91	0.0684	23-07-00	0.0290	23-04-09	0.0182
25-01-83	0.0009	25-10-91	0.1072	24-07-00	0.0379	24-04-09	0.0123
26-01-83	0.0008	26-10-91	0.0657	25-07-00	0.0303	25-04-09	0.0544
27-01-83	0.0007	27-10-91	0.0398	26-07-00	0.0203	26-04-09	0.1024
28-01-83	0.0007	28-10-91	0.0254	27-07-00	0.0140	27-04-09	0.1173
29-01-83	0.0006	29-10-91	0.0314	28-07-00	0.0100	28-04-09	0.0977
30-01-83	0.0006	30-10-91	0.0330	29-07-00	0.0134	29-04-09	0.0563
31-01-83	0.0005	31-10-91	0.0246	30-07-00	0.1265	30-04-09	0.0346
01-02-83	0.0005	01-11-91	0.0187	31-07-00	0.2367	01-05-09	0.0224
02-02-83	0.0005	02-11-91	0.0126	01-08-00	0.1626	02-05-09	0.0152
03-02-83	0.0005	03-11-91	0.0087	02-08-00	0.0895	03-05-09	0.0163
04-02-83	0.0005	04-11-91	0.0062	03-08-00	0.0539	04-05-09	0.0162
05-02-83	0.0024	05-11-91	0.0045	04-08-00	0.0344	05-05-09	0.0287
06-02-83	0.0045	06-11-91	0.0033	05-08-00	0.1555	06-05-09	0.0526
07-02-83	0.0033	07-11-91	0.0025	06-08-00	0.2909	07-05-09	0.0469
08-02-83	0.0024	08-11-91	0.0068	07-08-00	0.2023	08-05-09	0.0298
09-02-83	0.0019	09-11-91	0.0100	08-08-00	0.1071	09-05-09	0.0197
10-02-83	0.0015	10-11-91	0.0122	09-08-00	0.0629	10-05-09	0.0429
11-02-83	0.0012	11-11-91	0.0130	10-08-00	0.0395	11-05-09	0.1374
12-02-83	0.0010	12-11-91	0.3289	11-08-00	0.0259	12-05-09	0.1448
13-02-83	0.0008	13-11-91	0.4624	12-08-00	0.0176	13-05-09	0.0798
14-02-83	0.0146	14-11-91	0.2008	13-08-00	0.0123	14-05-09	0.0480
15-02-83	0.0615	15-11-91	0.1032	14-08-00	0.0276	15-05-09	0.0305
16-02-83	0.0655	16-11-91	0.0591	15-08-00	0.0368	16-05-09	0.0202
17-02-83	0.0669	17-11-91	0.0361	16-08-00	0.0583	17-05-09	0.0138
18-02-83	0.0620	18-11-91	0.0231	17-08-00	0.0666	18-05-09	0.0096
19-02-83	0.0372	19-11-91	0.0154	18-08-00	0.0414	19-05-09	0.0997

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
20-02-83	0.0234	20-11-91	0.0182	19-08-00	0.0270	20-05-09	0.1695
21-02-83	0.0153	21-11-91	0.0189	20-08-00	0.0183	21-05-09	0.1581
22-02-83	0.0103	22-11-91	0.0128	21-08-00	0.0127	22-05-09	0.1295
23-02-83	0.0071	23-11-91	0.0088	22-08-00	0.0091	23-05-09	0.0731
24-02-83	0.0050	24-11-91	0.0130	23-08-00	0.0066	24-05-09	0.0445
25-02-83	0.0037	25-11-91	0.0264	24-08-00	0.0080	25-05-09	0.0285
26-02-83	0.0027	26-11-91	0.0415	25-08-00	0.0086	26-05-09	0.0190
27-02-83	0.0021	27-11-91	0.0405	26-08-00	0.0235	27-05-09	0.0306
28-02-83	0.0016	28-11-91	0.0275	27-08-00	0.0641	28-05-09	0.0449
01-03-83	0.0013	29-11-91	0.0180	28-08-00	0.0691	29-05-09	0.0355
02-03-83	0.0017	30-11-91	0.0122	29-08-00	0.0452	30-05-09	0.0233
03-03-83	0.0020	01-12-91	0.0085	30-08-00	0.0292	31-05-09	0.0158
04-03-83	0.0016	02-12-91	0.0060	31-08-00	0.0221	01-06-09	0.0110
05-03-83	0.0013	03-12-91	0.0043	01-09-00	0.0171	02-06-09	0.0079
06-03-83	0.0010	04-12-91	0.0032	02-09-00	0.0157	03-06-09	0.0057
07-03-83	0.0009	05-12-91	0.0045	03-09-00	0.0967	04-06-09	0.1785
08-03-83	0.0008	06-12-91	0.1868	04-09-00	0.1379	05-06-09	0.2909
09-03-83	0.0007	07-12-91	0.2887	05-09-00	0.0771	06-06-09	0.1676
10-03-83	0.0006	08-12-91	0.1702	06-09-00	0.0468	07-06-09	0.2127
11-03-83	0.0006	09-12-91	0.1122	07-09-00	0.0551	08-06-09	0.1984
12-03-83	0.0005	10-12-91	0.0634	08-09-00	0.0556	09-06-09	0.1046
13-03-83	0.0005	11-12-91	0.0384	09-09-00	0.0350	10-06-09	0.0612
14-03-83	0.1042	12-12-91	0.0244	10-09-00	0.0230	11-06-09	0.0382
15-03-83	0.1839	13-12-91	0.0161	11-09-00	0.0156	12-06-09	0.0927
16-03-83	0.0945	14-12-91	0.0110	12-09-00	0.0109	13-06-09	0.1383
17-03-83	0.0539	15-12-91	0.0248	13-09-00	0.0607	14-06-09	0.0935
18-03-83	0.0328	16-12-91	0.0329	14-09-00	0.0991	15-06-09	0.0635

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
19-03-83	0.0209	17-12-91	0.0212	15-09-00	0.0631	16-06-09	0.1776
20-03-83	0.0138	18-12-91	0.0142	16-09-00	0.0391	17-06-09	0.2544
21-03-83	0.0093	19-12-91	0.0135	17-09-00	0.0254	18-06-09	0.1582
22-03-83	0.0065	20-12-91	0.0200	18-09-00	0.0171	19-06-09	0.0867
23-03-83	0.0046	21-12-91	0.1364	19-09-00	0.0119	20-06-09	0.0520
24-03-83	0.0034	22-12-91	0.1875	20-09-00	0.0084	21-06-09	0.0573
25-03-83	0.0069	23-12-91	0.0997	21-09-00	0.0061	22-06-09	0.0561
26-03-83	0.0208	24-12-91	0.0572	22-09-00	0.0045	23-06-09	0.0353
27-03-83	0.0322	25-12-91	0.0350	23-09-00	0.0034	24-06-09	0.0233
28-03-83	0.0343	26-12-91	0.0224	24-09-00	0.0079	25-06-09	0.0205
29-03-83	0.0398	27-12-91	0.0149	25-09-00	0.0121	26-06-09	0.0254
30-03-83	0.0347	28-12-91	0.0102	26-09-00	0.0092	27-06-09	0.0233
31-03-83	0.0220	29-12-91	0.0071	27-09-00	0.0090	28-06-09	0.0159
01-04-83	0.0145	30-12-91	0.0051	28-09-00	0.0085	29-06-09	0.0111
02-04-83	0.0099	31-12-91	0.0037	29-09-00	0.0184	30-06-09	0.0419
03-04-83	0.1696	01-01-92	0.0028	30-09-00	0.0246	01-07-09	0.0619
04-04-83	0.2541	02-01-92	0.0021	01-10-00	0.0165	02-07-09	0.0391
05-04-83	0.1243	03-01-92	0.0017	02-10-00	0.0114	03-07-09	0.0311
06-04-83	0.0689	04-01-92	0.0013	03-10-00	0.0080	04-07-09	0.0251
07-04-83	0.0412	05-01-92	0.0011	04-10-00	0.0058	05-07-09	0.0172
08-04-83	0.0985	06-01-92	0.0009	05-10-00	0.0042	06-07-09	0.0121
09-04-83	0.1210	07-01-92	0.0008	06-10-00	1.8577	07-07-09	0.0087
10-04-83	0.0674	08-01-92	0.0007	07-10-00	1.8314	08-07-09	0.0064
11-04-83	0.0404	09-01-92	0.0007	08-10-00	0.5098	09-07-09	0.0048
12-04-83	0.0255	10-01-92	0.0006	09-10-00	0.2179	10-07-09	0.0517
13-04-83	0.0168	11-01-92	0.0006	10-10-00	0.1114	11-07-09	0.0869
14-04-83	0.0113	12-01-92	0.0005	11-10-00	0.0638	12-07-09	0.0527

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
15-04-83	0.0079	13-01-92	0.0005	12-10-00	0.0391	13-07-09	0.0338
16-04-83	0.0056	14-01-92	0.0005	13-10-00	0.0251	14-07-09	0.0226
17-04-83	0.0041	15-01-92	0.0026	14-10-00	0.0167	15-07-09	0.0203
18-04-83	0.0030	16-01-92	0.0048	15-10-00	0.0115	16-07-09	0.0230
19-04-83	0.0023	17-01-92	0.0036	16-10-00	0.0081	17-07-09	0.0199
20-04-83	0.0250	18-01-92	0.0027	17-10-00	0.0058	18-07-09	0.0139
21-04-83	0.0437	19-01-92	0.0021	18-10-00	0.0043	19-07-09	0.0312
22-04-83	0.0275	20-01-92	0.0016	19-10-00	0.0032	20-07-09	0.0415
23-04-83	0.0180	21-01-92	0.0013	20-10-00	0.0024	21-07-09	0.0272
24-04-83	0.0121	22-01-92	0.0011	21-10-00	0.0019	22-07-09	0.0185
25-04-83	0.0084	23-01-92	0.0009	22-10-00	0.0015	23-07-09	0.0333
26-04-83	0.0060	24-01-92	0.0008	23-10-00	0.0012	24-07-09	0.0411
27-04-83	0.0085	25-01-92	0.0007	24-10-00	0.0010	25-07-09	0.0269
28-04-83	0.0171	26-01-92	0.0006	25-10-00	0.0009	26-07-09	0.0183
29-04-83	0.0354	27-01-92	0.0006	26-10-00	0.0008	27-07-09	0.0128
30-04-83	0.3542	28-01-92	0.0006	27-10-00	0.0007	28-07-09	0.0091
01-05-83	0.4411	29-01-92	0.0005	28-10-00	0.0006	29-07-09	0.0067
02-05-83	0.1964	30-01-92	0.0005	29-10-00	0.0006	30-07-09	0.0324
03-05-83	0.1111	31-01-92	0.0037	30-10-00	0.1104	31-07-09	0.0510
04-05-83	0.1614	01-02-92	0.0071	31-10-00	0.1951	01-08-09	0.0326
05-05-83	0.2799	02-02-92	0.0050	01-11-00	0.1010	02-08-09	0.0217
06-05-83	0.2244	03-02-92	0.0036	02-11-00	0.0576	03-08-09	0.0149
07-05-83	0.1148	04-02-92	0.0027	03-11-00	0.0351	04-08-09	0.0277
08-05-83	0.0658	05-02-92	0.0020	04-11-00	0.0224	05-08-09	0.0347
09-05-83	0.0457	06-02-92	0.0095	05-11-00	0.0148	06-08-09	0.0310
10-05-83	0.1222	07-02-92	0.0156	06-11-00	0.0101	07-08-09	0.0272
11-05-83	0.1972	08-02-92	0.0205	07-11-00	0.0070	08-08-09	0.0183

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
12-05-83	0.2948	09-02-92	0.0223	08-11-00	0.0050	09-08-09	0.0127
13-05-83	0.2619	10-02-92	0.0279	09-11-00	0.0037	10-08-09	0.0090
14-05-83	0.1302	11-02-92	0.0294	10-11-00	0.0027	11-08-09	0.0092
15-05-83	0.1184	12-02-92	0.0188	11-11-00	0.0021	12-08-09	0.0089
16-05-83	0.1021	13-02-92	0.0125	12-11-00	0.0016	13-08-09	0.0065
17-05-83	0.2069	14-02-92	0.0085	13-11-00	0.0296	14-08-09	0.0048
18-05-83	0.3830	15-02-92	0.0059	14-11-00	0.1884	15-08-09	0.0036
19-05-83	0.2828	16-02-92	0.0042	15-11-00	0.2559	16-08-09	0.0059
20-05-83	0.1395	17-02-92	0.0031	16-11-00	0.1760	17-08-09	0.0110
21-05-83	0.2481	18-02-92	0.0023	17-11-00	0.2688	18-08-09	0.0109
22-05-83	0.2726	19-02-92	0.0018	18-11-00	0.8173	19-08-09	0.0078
23-05-83	0.2033	20-02-92	0.0014	19-11-00	1.0261	20-08-09	0.0057
24-05-83	0.1540	21-02-92	0.0011	20-11-00	0.9592	21-08-09	0.0042
25-05-83	0.0843	22-02-92	0.0009	21-11-00	1.5436	22-08-09	0.0155
26-05-83	0.0505	23-02-92	0.0008	22-11-00	1.1246	23-08-09	0.0241
27-05-83	0.0320	24-02-92	0.0007	23-11-00	0.4240	24-08-09	0.0163
28-05-83	0.0386	25-02-92	0.0006	24-11-00	0.2480	25-08-09	0.0114
29-05-83	0.1034	26-02-92	0.0006	25-11-00	0.1660	26-08-09	0.0095
30-05-83	0.3439	27-02-92	0.0006	26-11-00	0.0877	27-08-09	0.0508
31-05-83	0.5148	28-02-92	0.0005	27-11-00	0.0510	28-08-09	0.0759
01-06-83	0.3379	29-02-92	0.0005	28-11-00	0.1081	29-08-09	0.0825
02-06-83	0.1612	01-03-92	0.0005	29-11-00	0.2568	30-08-09	0.0879
03-06-83	0.0880	02-03-92	0.0005	30-11-00	0.2393	31-08-09	0.0588
04-06-83	0.0526	03-03-92	0.0005	01-12-00	0.2259	01-09-09	0.0367
05-06-83	0.0333	04-03-92	0.0005	02-12-00	0.1868	02-09-09	0.0238
06-06-83	0.2447	05-03-92	0.0005	03-12-00	0.1453	03-09-09	0.0160
07-06-83	0.3344	06-03-92	0.0005	04-12-00	0.1149	04-09-09	0.0459

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
08-06-83	0.1600	07-03-92	0.0005	05-12-00	0.0648	05-09-09	0.0678
09-06-83	0.0875	08-03-92	0.0005	06-12-00	0.0393	06-09-09	0.0449
10-06-83	0.0814	09-03-92	0.0005	07-12-00	0.0250	07-09-09	0.0286
11-06-83	0.8594	10-03-92	0.0005	08-12-00	0.0165	08-09-09	0.0190
12-06-83	0.9172	11-03-92	0.0005	09-12-00	0.0112	09-09-09	0.0229
13-06-83	0.3335	12-03-92	0.0005	10-12-00	0.1117	10-09-09	0.0241
14-06-83	0.1597	13-03-92	0.0005	11-12-00	0.4898	11-09-09	0.0178
15-06-83	0.0874	14-03-92	0.0005	12-12-00	0.4856	12-09-09	0.0134
16-06-83	0.0523	15-03-92	0.0005	13-12-00	0.2343	13-09-09	0.0094
17-06-83	0.0332	16-03-92	0.0005	14-12-00	0.1171	14-09-09	0.0067
18-06-83	0.0220	17-03-92	0.0006	15-12-00	0.0659	15-09-09	0.0049
19-06-83	0.0150	18-03-92	0.0023	16-12-00	0.0465	16-09-09	0.0036
20-06-83	0.0105	19-03-92	0.0595	17-12-00	0.0342	17-09-09	0.0028
21-06-83	0.0076	20-03-92	0.0976	18-12-00	0.0220	18-09-09	0.0021
22-06-83	0.0055	21-03-92	0.0555	19-12-00	0.0147	19-09-09	0.0017
23-06-83	0.0041	22-03-92	0.0337	20-12-00	0.1572	20-09-09	0.0133
24-06-83	0.0031	23-03-92	0.0214	21-12-00	0.2306	21-09-09	0.0236
25-06-83	0.0024	24-03-92	0.0141	22-12-00	0.1683	22-09-09	0.0190
26-06-83	0.0019	25-03-92	0.0096	23-12-00	0.1288	23-09-09	0.0154
27-06-83	0.0016	26-03-92	0.0067	24-12-00	0.0711	24-09-09	0.0107
28-06-83	0.0013	27-03-92	0.0047	25-12-00	0.0426	25-09-09	0.0075
29-06-83	0.0011	28-03-92	0.0035	26-12-00	0.0269	26-09-09	0.0055
30-06-83	0.0009	29-03-92	0.0051	27-12-00	0.0177	27-09-09	0.0040
01-07-83	0.0961	30-03-92	0.0061	28-12-00	0.0120	28-09-09	0.0030
02-07-83	0.1721	31-03-92	0.0044	29-12-00	0.0083	29-09-09	0.0023
03-07-83	0.0938	01-04-92	0.0050	30-12-00	0.0059	30-09-09	0.0068
04-07-83	0.0562	02-04-92	0.0492	31-12-00	0.0043	01-10-09	0.0297

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
05-07-83	0.0535	03-04-92	0.0816	01-01-01	0.0032	02-10-09	0.0375
06-07-83	0.0485	04-04-92	0.0511	02-01-01	0.0024	03-10-09	0.0240
07-07-83	0.0313	05-04-92	0.0316	03-01-01	0.0019	04-10-09	0.0160
08-07-83	0.0210	06-04-92	0.0205	04-01-01	0.0015	05-10-09	0.0109
09-07-83	0.0145	07-04-92	0.0220	05-01-01	0.0012	06-10-09	0.0077
10-07-83	0.0103	08-04-92	0.0217	06-01-01	0.0509	07-10-09	0.0055
11-07-83	0.0789	09-04-92	0.0144	07-01-01	0.0924	08-10-09	0.0040
12-07-83	0.4352	10-04-92	0.2039	08-01-01	0.0812	09-10-09	0.0030
13-07-83	0.4389	11-04-92	0.6116	09-01-01	0.0970	10-10-09	0.0241
14-07-83	0.1988	12-04-92	0.4588	10-01-01	0.3015	11-10-09	0.0409
15-07-83	0.1056	13-04-92	0.3505	11-01-01	0.3280	12-10-09	0.0260
16-07-83	0.0622	14-04-92	0.2711	12-01-01	0.1543	13-10-09	0.0172
17-07-83	0.0391	15-04-92	0.1324	13-01-01	0.0830	14-10-09	0.1539
18-07-83	0.0257	16-04-92	0.1451	14-01-01	0.0572	15-10-09	0.2344
19-07-83	0.0175	17-04-92	0.1373	15-01-01	0.0413	16-10-09	0.1251
20-07-83	0.0122	18-04-92	0.0751	16-01-01	0.0262	17-10-09	0.1435
21-07-83	0.0088	19-04-92	0.0447	17-01-01	0.0172	18-10-09	0.2294
22-07-83	0.0064	20-04-92	0.2022	18-01-01	0.0117	19-10-09	0.2060
23-07-83	0.0084	21-04-92	0.2652	19-01-01	0.0081	20-10-09	0.1206
24-07-83	0.0094	22-04-92	0.1303	20-01-01	0.0058	21-10-09	0.1058
25-07-83	0.0068	23-04-92	0.0719	21-01-01	0.0042	22-10-09	0.1078
26-07-83	0.0051	24-04-92	0.0431	22-01-01	0.0031	23-10-09	0.1021
27-07-83	0.0038	25-04-92	0.3165	23-01-01	0.0024	24-10-09	0.1459
28-07-83	0.0029	26-04-92	0.4110	24-01-01	0.0040	25-10-09	0.1667
29-07-83	0.0023	27-04-92	0.1839	25-01-01	0.0050	26-10-09	0.1369
30-07-83	0.0018	28-04-92	0.0962	26-01-01	0.0037	27-10-09	2.7433
31-07-83	0.0015	29-04-92	0.0557	27-01-01	0.0028	28-10-09	2.4020

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
01-08-83	0.0012	30-04-92	0.1312	28-01-01	0.0021	29-10-09	0.6915
02-08-83	0.0038	01-05-92	0.7929	29-01-01	0.0017	30-10-09	0.2702
03-08-83	0.0327	02-05-92	0.7592	30-01-01	0.0013	31-10-09	0.1359
04-08-83	0.0497	03-05-92	0.2907	31-01-01	0.0011	01-11-09	0.0794
05-08-83	0.0319	04-05-92	0.1422	01-02-01	0.0009	02-11-09	0.0485
06-08-83	0.0213	05-05-92	0.0786	02-02-01	0.0008	03-11-09	0.0300
07-08-83	0.0147	06-05-92	0.0473	03-02-01	0.0007	04-11-09	0.0194
08-08-83	0.0104	07-05-92	0.0301	04-02-01	0.0006	05-11-09	0.0129
09-08-83	0.0075	08-05-92	0.0199	05-02-01	0.0006	06-11-09	0.0089
10-08-83	0.0055	09-05-92	0.0376	06-02-01	0.0006	07-11-09	0.0074
11-08-83	0.0042	10-05-92	0.0466	07-02-01	0.0005	08-11-09	0.0090
12-08-83	0.0398	11-05-92	0.0297	08-02-01	0.0005	09-11-09	0.0086
13-08-83	0.0673	12-05-92	0.0197	09-02-01	0.0005	10-11-09	0.0061
14-08-83	0.0418	13-05-92	0.0135	10-02-01	0.0005	11-11-09	0.0044
15-08-83	0.0273	14-05-92	0.0095	11-02-01	0.0005	12-11-09	0.0032
16-08-83	0.0184	15-05-92	0.0068	12-02-01	0.0005	13-11-09	0.0024
17-08-83	0.0128	16-05-92	0.0050	13-02-01	0.0005	14-11-09	0.0019
18-08-83	0.0091	17-05-92	0.0037	14-02-01	0.0005	15-11-09	0.0015
19-08-83	0.0066	18-05-92	0.0028	15-02-01	0.0005	16-11-09	0.0012
20-08-83	0.0049	19-05-92	0.0022	16-02-01	0.0005	17-11-09	0.0010
21-08-83	0.0037	20-05-92	0.0018	17-02-01	0.0005	18-11-09	0.0009
22-08-83	0.0335	21-05-92	0.0014	18-02-01	0.0005	19-11-09	0.0007
23-08-83	0.0570	22-05-92	1.6942	19-02-01	0.0005	20-11-09	0.0007
24-08-83	0.0360	23-05-92	1.7394	20-02-01	0.0005	21-11-09	0.0006
25-08-83	0.0237	24-05-92	0.4986	21-02-01	0.0005	22-11-09	0.0006
26-08-83	0.0162	25-05-92	0.2164	22-02-01	0.0005	23-11-09	0.2857
27-08-83	0.0113	26-05-92	0.1119	23-02-01	0.0005	24-11-09	0.4548

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
28-08-83	0.0081	27-05-92	0.0647	24-02-01	0.0011	25-11-09	0.2029
29-08-83	0.0059	28-05-92	0.0400	25-02-01	0.0273	26-11-09	0.1034
30-08-83	0.0044	29-05-92	0.0259	26-02-01	0.0646	27-11-09	0.0588
31-08-83	0.0033	30-05-92	0.0174	27-02-01	0.0518	28-11-09	0.0385
01-09-83	0.0026	31-05-92	0.0121	28-02-01	0.0315	29-11-09	0.0264
02-09-83	0.0023	01-06-92	0.0086	01-03-01	0.0200	30-11-09	0.0172
03-09-83	0.0020	02-06-92	0.0063	02-03-01	0.0131	01-12-09	0.0116
04-09-83	0.0016	03-06-92	0.0046	03-03-01	0.0089	02-12-09	0.0079
05-09-83	0.0116	04-06-92	0.1640	04-03-01	0.0062	03-12-09	0.0056
06-09-83	0.0205	05-06-92	0.7654	05-03-01	0.0044	04-12-09	0.0040
07-09-83	0.0141	06-06-92	0.6441	06-03-01	0.0032	05-12-09	0.0074
08-09-83	0.1086	07-06-92	0.2626	07-03-01	0.0024	06-12-09	0.2210
09-09-83	0.1866	08-06-92	0.1318	08-03-01	0.0018	07-12-09	0.3213
10-09-83	0.1158	09-06-92	0.0749	09-03-01	0.0014	08-12-09	0.1493
11-09-83	0.0667	10-06-92	0.0459	10-03-01	0.0012	09-12-09	0.1331
12-09-83	0.0448	11-06-92	0.0296	11-03-01	0.0010	10-12-09	0.4462
13-09-83	0.0315	12-06-92	0.0198	12-03-01	0.0015	11-12-09	0.6440
14-09-83	0.0209	13-06-92	0.0137	13-03-01	0.0118	12-12-09	0.3788
15-09-83	0.0285	14-06-92	0.0097	14-03-01	0.0192	13-12-09	0.1698
16-09-83	0.0316	15-06-92	0.0070	15-03-01	0.0127	14-12-09	0.0884
17-09-83	0.0209	16-06-92	0.0052	16-03-01	0.0086	15-12-09	0.0768
18-09-83	0.1184	17-06-92	0.0039	17-03-01	0.0081	16-12-09	0.1593
19-09-83	0.1696	18-06-92	0.0030	18-03-01	0.0250	17-12-09	0.1619
20-09-83	0.0915	19-06-92	0.0023	19-03-01	0.0332	18-12-09	0.0849
21-09-83	0.0543	20-06-92	0.0019	20-03-01	0.0227	19-12-09	0.0710
22-09-83	0.0342	21-06-92	0.0015	21-03-01	0.0161	20-12-09	0.0587
23-09-83	0.0245	22-06-92	0.0012	22-03-01	0.0108	21-12-09	0.0354

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
24-09-83	0.0578	23-06-92	0.0011	23-03-01	0.0074	22-12-09	0.0486
25-09-83	0.0726	24-06-92	0.0009	24-03-01	0.0130	23-12-09	0.2694
26-09-83	0.0636	25-06-92	0.0008	25-03-01	0.0202	24-12-09	0.4229
27-09-83	0.0545	26-06-92	0.0007	26-03-01	0.0165	25-12-09	0.6192
28-09-83	0.0343	27-06-92	0.0007	27-03-01	0.0216	26-12-09	0.4955
29-09-83	0.0225	28-06-92	0.0006	28-03-01	0.0257	27-12-09	0.2083
30-09-83	0.0153	29-06-92	0.0006	29-03-01	0.0184	28-12-09	0.1046
01-10-83	0.0106	30-06-92	0.0006	30-03-01	0.0122	29-12-09	0.0588
02-10-83	0.0075	01-07-92	0.0005	31-03-01	0.0809	30-12-09	0.0354
03-10-83	0.0054	02-07-92	0.0005	01-04-01	0.1213	31-12-09	0.0223
04-10-83	0.0388	03-07-92	0.0005	02-04-01	0.0681	01-01-10	0.0147
05-10-83	0.1018	04-07-92	0.0005	03-04-01	0.0411	02-01-10	0.0099
06-10-83	0.0888	05-07-92	0.0005	04-04-01	0.0261	03-01-10	0.0093
07-10-83	0.0521	06-07-92	0.0005	05-04-01	0.0482	04-01-10	0.0085
08-10-83	0.0324	07-07-92	0.0005	06-04-01	0.0582	05-01-10	0.0059
09-10-83	0.0211	08-07-92	0.0005	07-04-01	0.0475	06-01-10	0.0063
10-10-83	0.0142	09-07-92	0.0005	08-04-01	0.0389	07-01-10	0.0063
11-10-83	0.0098	10-07-92	0.0005	09-04-01	0.0248	08-01-10	0.0102
12-10-83	0.0069	11-07-92	0.0005	10-04-01	0.0165	09-01-10	0.0264
13-10-83	0.0050	12-07-92	0.0005	11-04-01	0.0113	10-01-10	0.1744
14-10-83	0.0037	13-07-92	0.0005	12-04-01	0.3978	11-01-10	0.2239
15-10-83	0.0028	14-07-92	0.0005	13-04-01	0.5483	12-01-10	0.1113
16-10-83	0.0021	15-07-92	0.0924	14-04-01	0.2289	13-01-10	0.0622
17-10-83	0.0177	16-07-92	0.5982	15-04-01	0.1154	14-01-10	0.0373
18-10-83	0.0308	17-07-92	0.8453	16-04-01	0.0654	15-01-10	0.0235
19-10-83	0.0201	18-07-92	0.4976	17-04-01	0.0398	16-01-10	0.0154
20-10-83	0.0136	19-07-92	0.2196	18-04-01	0.0254	17-01-10	0.0104

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
21-10-83	0.0094	20-07-92	0.1152	19-04-01	0.0169	18-01-10	0.0072
22-10-83	0.0067	21-07-92	0.0674	20-04-01	0.0115	19-01-10	0.0051
23-10-83	0.0048	22-07-92	0.0422	21-04-01	0.0081	20-01-10	0.0037
24-10-83	0.0036	23-07-92	0.0277	22-04-01	0.0058	21-01-10	0.0027
25-10-83	0.0027	24-07-92	0.0188	23-04-01	0.0042	22-01-10	0.0021
26-10-83	0.0021	25-07-92	0.0132	24-04-01	0.3705	23-01-10	0.0016
27-10-83	0.0031	26-07-92	0.0094	25-04-01	0.6311	24-01-10	0.0013
28-10-83	0.0065	27-07-92	0.0069	26-04-01	0.3154	25-01-10	0.0011
29-10-83	0.0291	28-07-92	0.0051	27-04-01	0.1506	26-01-10	0.0009
30-10-83	0.0774	29-07-92	0.0039	28-04-01	0.0818	27-01-10	0.0008
31-10-83	0.0759	30-07-92	0.0030	29-04-01	0.0486	28-01-10	0.0007
01-11-83	0.0452	31-07-92	0.0024	30-04-01	0.0306	29-01-10	0.0006
02-11-83	0.0284	01-08-92	0.0019	01-05-01	0.0201	30-01-10	0.0006
03-11-83	0.0185	02-08-92	0.0015	02-05-01	0.0137	31-01-10	0.0006
04-11-83	0.0125	03-08-92	0.0013	03-05-01	0.0096	01-02-10	0.0005
05-11-83	0.0086	04-08-92	0.0011	04-05-01	0.0746	02-02-10	0.0005
06-11-83	0.0061	05-08-92	0.0016	05-05-01	0.1158	03-02-10	0.0005
07-11-83	0.0044	06-08-92	0.0020	06-05-01	0.0663	04-02-10	0.0005
08-11-83	0.0033	07-08-92	0.0016	07-05-01	0.0407	05-02-10	0.0005
09-11-83	0.0025	08-08-92	0.0013	08-05-01	0.0333	06-02-10	0.0005
10-11-83	0.0019	09-08-92	0.0011	09-05-01	0.0274	07-02-10	0.0005
11-11-83	0.0015	10-08-92	0.0043	10-05-01	0.1159	08-02-10	0.0005
12-11-83	0.0012	11-08-92	0.0071	11-05-01	0.3718	09-02-10	0.0005
13-11-83	0.0010	12-08-92	0.0053	12-05-01	0.3979	10-02-10	0.0005
14-11-83	0.0060	13-08-92	0.0040	13-05-01	0.2337	11-02-10	0.0035
15-11-83	0.0106	14-08-92	0.0031	14-05-01	0.1240	12-02-10	0.0071
16-11-83	0.0074	15-08-92	0.0350	15-05-01	0.0705	13-02-10	0.0050

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
17-11-83	0.0053	16-08-92	0.1198	16-05-01	0.0431	14-02-10	0.0036
18-11-83	0.1730	17-08-92	0.1166	17-05-01	0.0438	15-02-10	0.0027
19-11-83	0.5626	18-08-92	0.0680	18-05-01	0.0413	16-02-10	0.0020
20-11-83	0.8379	19-08-92	0.0425	19-05-01	0.0651	17-02-10	0.0016
21-11-83	0.5684	20-08-92	0.0278	20-05-01	0.2092	18-02-10	0.0013
22-11-83	0.2339	21-08-92	0.0189	21-05-01	0.2608	19-02-10	0.0021
23-11-83	0.1169	22-08-92	0.0486	22-05-01	0.2822	20-02-10	0.0027
24-11-83	0.0657	23-08-92	0.0653	23-05-01	0.3329	21-02-10	0.0020
25-11-83	0.0397	24-08-92	0.0409	24-05-01	0.2557	22-02-10	0.0016
26-11-83	0.0252	25-08-92	0.0269	25-05-01	0.1465	23-02-10	0.0013
27-11-83	0.0167	26-08-92	0.0222	26-05-01	0.0941	24-02-10	0.0010
28-11-83	0.0113	27-08-92	0.0342	27-05-01	0.3456	25-02-10	0.0009
29-11-83	0.0079	28-08-92	0.0364	28-05-01	0.3972	26-02-10	0.0008
30-11-83	0.0056	29-08-92	0.0241	29-05-01	0.1823	27-02-10	0.0019
01-12-83	0.0041	30-08-92	0.0165	30-05-01	0.0973	28-02-10	0.0834
02-12-83	0.0031	31-08-92	0.0116	31-05-01	0.0573	01-03-10	0.1418
03-12-83	0.0023	01-09-92	0.0098	01-06-01	0.0361	02-03-10	0.0812
04-12-83	0.0134	02-09-92	0.0083	02-06-01	0.0239	03-03-10	0.0488
05-12-83	0.0406	03-09-92	0.0060	03-06-01	0.0163	04-03-10	0.0298
06-12-83	0.0713	04-09-92	0.0215	04-06-01	0.0425	05-03-10	0.0191
07-12-83	0.0671	05-09-92	0.0326	05-06-01	0.0846	06-03-10	0.0259
08-12-83	0.0405	06-09-92	0.0216	06-06-01	0.0722	07-03-10	0.0467
09-12-83	0.0257	07-09-92	0.0148	07-06-01	0.0446	08-03-10	0.1155
10-12-83	0.0170	08-09-92	0.0167	08-06-01	0.0308	09-03-10	0.1244
11-12-83	0.0115	09-09-92	0.0183	09-06-01	0.0465	10-03-10	0.0677
12-12-83	0.0120	10-09-92	0.0296	10-06-01	0.0514	11-03-10	0.0400
13-12-83	0.0117	11-09-92	0.0341	11-06-01	0.0371	12-03-10	0.0249

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
14-12-83	0.0106	12-09-92	0.0224	12-06-01	0.0277	13-03-10	0.0162
15-12-83	0.0094	13-09-92	0.0153	13-06-01	0.0243	14-03-10	0.0108
16-12-83	0.0067	14-09-92	0.0107	14-06-01	0.0212	15-03-10	0.0074
17-12-83	0.0048	15-09-92	0.0076	15-06-01	0.0146	16-03-10	0.0052
18-12-83	0.0035	16-09-92	0.0056	16-06-01	0.0104	17-03-10	0.0038
19-12-83	0.0027	17-09-92	0.0060	17-06-01	0.0109	18-03-10	0.0028
20-12-83	0.0020	18-09-92	0.0060	18-06-01	0.0157	19-03-10	0.0021
21-12-83	0.0016	19-09-92	0.0044	19-06-01	0.0153	20-03-10	0.0016
22-12-83	0.0013	20-09-92	0.1060	20-06-01	0.1629	21-03-10	0.0017
23-12-83	0.0034	21-09-92	0.3327	21-06-01	0.4931	22-03-10	0.0016
24-12-83	0.0051	22-09-92	0.2756	22-06-01	0.4070	23-03-10	0.0452
25-12-83	0.1085	23-09-92	0.1369	23-06-01	0.1949	24-03-10	0.2363
26-12-83	0.1829	24-09-92	0.0846	24-06-01	0.1204	25-03-10	0.3125
27-12-83	0.4316	25-09-92	0.0566	25-06-01	0.1405	26-03-10	0.1938
28-12-83	0.4493	26-09-92	0.0355	26-06-01	0.2311	27-03-10	0.0986
29-12-83	0.1966	27-09-92	0.0232	27-06-01	0.2015	28-03-10	0.0941
30-12-83	0.1015	28-09-92	0.0157	28-06-01	0.1173	29-03-10	0.0949
31-12-83	0.0583	29-09-92	0.0256	29-06-01	0.0756	30-03-10	0.1102
01-01-84	0.0357	30-09-92	0.0307	30-06-01	0.0464	31-03-10	0.1406
02-01-84	0.0229	01-10-92	0.0203	01-07-01	0.0301	01-04-10	0.1361
03-01-84	0.0153	02-10-92	0.0198	02-07-01	0.0653	02-04-10	0.0951
04-01-84	0.0104	03-10-92	0.0238	03-07-01	0.0821	03-04-10	0.0743
05-01-84	0.0073	04-10-92	0.0202	04-07-01	0.0502	04-04-10	0.1366
06-01-84	0.0142	05-10-92	0.0137	05-07-01	0.0325	05-04-10	0.2828
07-01-84	0.0184	06-10-92	0.0095	06-07-01	0.0218	06-04-10	0.7646
08-01-84	0.0124	07-10-92	0.0068	07-07-01	0.0163	07-04-10	1.1062
09-01-84	0.0086	08-10-92	0.0049	08-07-01	0.0293	08-04-10	1.3011

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
10-01-84	0.0061	09-10-92	0.0351	09-07-01	0.0353	09-04-10	0.8068
11-01-84	0.0065	10-10-92	0.0574	10-07-01	0.0235	10-04-10	0.2978
12-01-84	0.0065	11-10-92	0.0841	11-07-01	0.0162	11-04-10	0.1422
13-01-84	0.0047	12-10-92	0.0909	12-07-01	0.0115	12-04-10	0.0770
14-01-84	0.0034	13-10-92	0.0534	13-07-01	0.0083	13-04-10	0.0455
15-01-84	0.0026	14-10-92	0.0333	14-07-01	0.0308	14-04-10	0.0284
16-01-84	0.0020	15-10-92	0.0217	15-07-01	0.0573	15-04-10	0.0185
17-01-84	0.0016	16-10-92	0.0146	16-07-01	0.0573	16-04-10	0.0125
18-01-84	0.0013	17-10-92	0.0101	17-07-01	0.0461	17-04-10	0.0086
19-01-84	0.0048	18-10-92	0.0100	18-07-01	0.0300	18-04-10	0.0061
20-01-84	0.0079	19-10-92	0.0142	19-07-01	0.0202	19-04-10	0.0044
21-01-84	0.0056	20-10-92	0.0213	20-07-01	0.0141	20-04-10	0.0032
22-01-84	0.0041	21-10-92	0.0205	21-07-01	0.0100	21-04-10	0.0025
23-01-84	0.0030	22-10-92	0.0432	22-07-01	0.0073	22-04-10	0.0019
24-01-84	0.0023	23-10-92	0.0547	23-07-01	0.0115	23-04-10	0.0015
25-01-84	0.0018	24-10-92	0.0341	24-07-01	0.0141	24-04-10	0.0012
26-01-84	0.0014	25-10-92	0.0222	25-07-01	0.0312	25-04-10	0.0010
27-01-84	0.0012	26-10-92	0.0149	26-07-01	0.0414	26-04-10	0.0009
28-01-84	0.0010	27-10-92	0.0103	27-07-01	0.0271	27-04-10	0.0519
29-01-84	0.0008	28-10-92	0.1006	28-07-01	0.0483	28-04-10	0.0955
30-01-84	0.0007	29-10-92	0.1553	29-07-01	0.1431	29-04-10	0.0552
31-01-84	0.0007	30-10-92	0.0842	30-07-01	0.1511	30-04-10	0.0340
01-02-84	0.0006	31-10-92	0.0499	31-07-01	0.0842	01-05-10	0.0586
02-02-84	0.0027	01-11-92	0.0312	01-08-01	0.0512	02-05-10	0.0688
03-02-84	0.0048	02-11-92	0.0203	02-08-01	0.0486	03-05-10	0.0419
04-02-84	0.0036	03-11-92	0.0136	03-08-01	0.0440	04-05-10	0.0269
05-02-84	0.0027	04-11-92	0.0094	04-08-01	0.0287	05-05-10	0.6614

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
06-02-84	0.0020	05-11-92	0.0067	05-08-01	0.0194	06-05-10	3.4028
07-02-84	0.0016	06-11-92	0.0048	06-08-01	0.0135	07-05-10	2.7310
08-02-84	0.0013	07-11-92	0.0035	07-08-01	0.0097	08-05-10	0.9923
09-02-84	0.0011	08-11-92	0.0027	08-08-01	0.0070	09-05-10	0.3776
10-02-84	0.0009	09-11-92	0.0021	09-08-01	0.0052	10-05-10	0.1934
11-02-84	0.0008	10-11-92	0.0016	10-08-01	0.0078	11-05-10	0.1015
12-02-84	0.0007	11-11-92	0.0039	11-08-01	0.0456	12-05-10	0.0591
13-02-84	0.0006	12-11-92	0.0056	12-08-01	0.0658	13-05-10	0.0367
14-02-84	0.0006	13-11-92	0.2305	13-08-01	0.0411	14-05-10	0.0239
15-02-84	0.0006	14-11-92	0.3530	14-08-01	0.0269	15-05-10	0.0161
16-02-84	0.0005	15-11-92	0.1636	15-08-01	0.0183	16-05-10	0.0111
17-02-84	0.0005	16-11-92	0.5556	16-08-01	0.0128	17-05-10	0.0079
18-02-84	0.0005	17-11-92	0.6653	17-08-01	0.0091	18-05-10	0.0057
19-02-84	0.0005	18-11-92	1.2599	18-08-01	0.0266	19-05-10	0.0042
20-02-84	0.0008	19-11-92	1.2182	19-08-01	0.0383	20-05-10	0.0032
21-02-84	0.0010	20-11-92	0.5232	20-08-01	0.0252	21-05-10	0.0025
22-02-84	0.0009	21-11-92	0.2314	21-08-01	0.0490	22-05-10	0.0019
23-02-84	0.0008	22-11-92	0.1162	22-08-01	0.0607	23-05-10	0.0015
24-02-84	0.0007	23-11-92	0.0656	23-08-01	0.0382	24-05-10	0.0013
25-02-84	0.0006	24-11-92	0.0398	24-08-01	0.0251	25-05-10	0.0011
26-02-84	0.0006	25-11-92	0.0254	25-08-01	0.0171	26-05-10	0.0009
27-02-84	0.0006	26-11-92	0.0168	26-08-01	0.0447	27-05-10	0.0008
28-02-84	0.0005	27-11-92	0.0114	27-08-01	0.0605	28-05-10	0.0007
29-02-84	0.0025	28-11-92	0.0702	28-08-01	0.0380	29-05-10	0.0007
01-03-84	0.0047	29-11-92	0.1057	29-08-01	0.0250	30-05-10	0.0006
02-03-84	0.0034	30-11-92	0.0605	30-08-01	0.0192	31-05-10	0.0006
03-03-84	0.0026	01-12-92	0.0370	31-08-01	0.0150	01-06-10	0.0005

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
04-03-84	0.0019	02-12-92	0.0236	01-09-01	0.0106	02-06-10	0.0005
05-03-84	0.0015	03-12-92	0.0157	02-09-01	0.0291	03-06-10	0.0005
06-03-84	0.0012	04-12-92	0.0107	03-09-01	0.0408	04-06-10	0.0005
07-03-84	0.0010	05-12-92	0.0075	04-09-01	0.0264	05-06-10	0.0005
08-03-84	0.0009	06-12-92	0.0054	05-09-01	0.0177	06-06-10	0.0005
09-03-84	0.0008	07-12-92	0.0273	06-09-01	0.0122	07-06-10	0.0005
10-03-84	0.0007	08-12-92	0.0430	07-09-01	0.0087	08-06-10	0.0005
11-03-84	0.0006	09-12-92	0.0272	08-09-01	0.0063	09-06-10	0.8165
12-03-84	0.0006	10-12-92	0.0538	09-09-01	0.0046	10-06-10	1.0378
13-03-84	0.0005	11-12-92	0.5433	10-09-01	0.0062	11-06-10	0.3631
14-03-84	0.0749	12-12-92	0.6332	11-09-01	0.0072	12-06-10	0.1711
15-03-84	0.2969	13-12-92	0.2690	12-09-01	0.0052	13-06-10	0.0928
16-03-84	0.2621	14-12-92	0.1477	13-09-01	0.0039	14-06-10	0.0554
17-03-84	0.1276	15-12-92	0.1761	14-09-01	0.0030	15-06-10	0.0350
18-03-84	0.0698	16-12-92	0.2272	15-09-01	0.0193	16-06-10	0.0231
19-03-84	0.0415	17-12-92	0.1886	16-09-01	0.0326	17-06-10	0.0158
20-03-84	0.0260	18-12-92	0.1259	17-09-01	0.0230	18-06-10	0.0111
21-03-84	0.0169	19-12-92	0.0775	18-09-01	0.0167	19-06-10	0.0080
22-03-84	0.0114	20-12-92	0.0532	19-09-01	0.0115	20-06-10	0.0058
23-03-84	0.0078	21-12-92	0.3964	20-09-01	0.0101	21-06-10	0.0043
24-03-84	0.0055	22-12-92	0.5755	21-09-01	0.0089	22-06-10	0.0033
25-03-84	0.0040	23-12-92	0.3153	22-09-01	0.0064	23-06-10	0.0026
26-03-84	0.0070	24-12-92	0.1645	23-09-01	0.0141	24-06-10	0.0020
27-03-84	0.0091	25-12-92	0.0875	24-09-01	0.0191	25-06-10	0.0016
28-03-84	0.0081	26-12-92	0.0512	25-09-01	0.0131	26-06-10	0.0013
29-03-84	0.0069	27-12-92	0.2722	26-09-01	0.0092	27-06-10	0.0011
30-03-84	0.0049	28-12-92	0.3493	27-09-01	0.0066	28-06-10	0.0010

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
31-03-84	0.0036	29-12-92	0.1619	28-09-01	0.0048	29-06-10	0.0008
01-04-84	0.0027	30-12-92	0.0863	29-09-01	0.0051	30-06-10	0.0008
02-04-84	0.0021	31-12-92	0.0505	30-09-01	0.0050	01-07-10	0.0007
03-04-84	0.0016	01-01-93	0.0314	01-10-01	0.0037	02-07-10	0.0033
04-04-84	0.0013	02-01-93	0.0204	02-10-01	0.0028	03-07-10	0.0060
05-04-84	0.0011	03-01-93	0.0137	03-10-01	0.0021	04-07-10	0.0045
06-04-84	0.0009	04-01-93	0.0095	04-10-01	0.0346	05-07-10	0.0034
07-04-84	0.0008	05-01-93	0.0067	05-10-01	0.0614	06-07-10	0.0027
08-04-84	0.0007	06-01-93	0.0143	06-10-01	0.0376	07-07-10	0.0119
09-04-84	0.0007	07-01-93	0.1388	07-10-01	0.0434	08-07-10	0.0196
10-04-84	0.0006	08-01-93	0.1995	08-10-01	0.1005	09-07-10	0.0137
11-04-84	0.0850	09-01-93	0.1101	09-10-01	0.1049	10-07-10	0.0098
12-04-84	0.3906	10-01-93	0.0626	10-10-01	0.0602	11-07-10	0.0071
13-04-84	0.3546	11-01-93	0.0381	11-10-01	0.0447	12-07-10	0.0053
14-04-84	0.1646	12-01-93	0.0244	12-10-01	0.0342	13-07-10	0.0073
15-04-84	0.2727	13-01-93	0.0305	13-10-01	0.0221	14-07-10	0.0084
16-04-84	0.3326	14-01-93	0.0322	14-10-01	0.0148	15-07-10	0.0096
17-04-84	0.1903	15-01-93	0.0209	15-10-01	0.0102	16-07-10	0.0099
18-04-84	0.0993	16-01-93	0.0140	16-10-01	0.0072	17-07-10	0.0072
19-04-84	0.0736	17-01-93	0.0096	17-10-01	0.0052	18-07-10	0.1141
20-04-84	0.0563	18-01-93	0.0585	18-10-01	0.0038	19-07-10	0.1828
21-04-84	0.0348	19-01-93	0.2724	19-10-01	0.0029	20-07-10	0.1065
22-04-84	0.1348	20-01-93	0.3887	20-10-01	0.0305	21-07-10	0.0683
23-04-84	1.3908	21-01-93	0.2506	21-10-01	0.0527	22-07-10	0.0425
24-04-84	1.6469	22-01-93	0.1238	22-10-01	0.0620	23-07-10	0.0339
25-04-84	0.7068	23-01-93	0.0692	23-10-01	0.0620	24-07-10	0.0274
26-04-84	0.2900	24-01-93	0.0416	24-10-01	0.0379	25-07-10	0.0186

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
27-04-84	0.2874	25-01-93	0.0264	25-10-01	0.0243	26-07-10	0.0130
28-04-84	0.3960	26-01-93	0.0174	26-10-01	0.0228	27-07-10	0.0093
29-04-84	0.3058	27-01-93	0.0118	27-10-01	0.0206	28-07-10	0.0068
30-04-84	0.3106	28-01-93	0.0082	28-10-01	0.0139	29-07-10	0.0050
01-05-84	0.2625	29-01-93	0.0146	29-10-01	0.0096	30-07-10	0.0038
02-05-84	0.1302	30-01-93	0.0183	30-10-01	0.0068	31-07-10	0.0146
03-05-84	0.1888	31-01-93	0.0124	31-10-01	0.0049	01-08-10	0.0229
04-05-84	0.3601	01-02-93	0.0086	01-11-01	0.0886	02-08-10	0.0157
05-05-84	0.2882	02-02-93	0.0061	02-11-01	0.1551	03-08-10	0.0110
06-05-84	0.1413	03-02-93	0.0044	03-11-01	0.2006	04-08-10	0.0079
07-05-84	0.0782	04-02-93	0.0032	04-11-01	0.2211	05-08-10	0.0247
08-05-84	0.0471	05-02-93	0.0025	05-11-01	0.1950	06-08-10	0.0361
09-05-84	0.0516	06-02-93	0.0019	06-11-01	0.1475	07-08-10	0.0238
10-05-84	0.0504	07-02-93	0.0034	07-11-01	0.0799	08-08-10	0.0162
11-05-84	0.0319	08-02-93	0.0045	08-11-01	0.0622	09-08-10	0.0322
12-05-84	0.0210	09-02-93	0.0033	09-11-01	0.1627	10-08-10	0.0410
13-05-84	0.0406	10-02-93	0.0025	10-11-01	0.1854	11-08-10	0.0267
14-05-84	0.0574	11-02-93	0.0034	11-11-01	0.0968	12-08-10	0.0985
15-05-84	0.0410	12-02-93	0.0039	12-11-01	0.0560	13-08-10	0.1342
16-05-84	0.0265	13-02-93	0.0029	13-11-01	0.0345	14-08-10	0.0760
17-05-84	0.0177	14-02-93	0.0022	14-11-01	0.0223	15-08-10	0.0464
18-05-84	0.0122	15-02-93	0.0017	15-11-01	0.0798	16-08-10	0.0299
19-05-84	0.0665	16-02-93	0.0014	16-11-01	0.2370	17-08-10	0.0200
20-05-84	0.0998	17-02-93	0.0011	17-11-01	0.3971	18-08-10	0.0196
21-05-84	0.1064	18-02-93	0.0009	18-11-01	0.3067	19-08-10	0.0185
22-05-84	0.1851	19-02-93	0.0008	19-11-01	0.1466	20-08-10	0.0128
23-05-84	0.1656	20-02-93	0.0007	20-11-01	0.0796	21-08-10	0.0091

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
24-05-84	0.0897	21-02-93	0.0007	21-11-01	0.0586	22-08-10	0.0213
25-05-84	0.0533	22-02-93	0.0006	22-11-01	0.0445	23-08-10	0.0291
26-05-84	0.0336	23-02-93	0.0006	23-11-01	0.0281	24-08-10	0.0195
27-05-84	0.0222	24-02-93	0.0091	24-11-01	0.0560	25-08-10	0.0134
28-05-84	0.0151	25-02-93	0.0218	25-11-01	0.0976	26-08-10	0.0095
29-05-84	0.0732	26-02-93	0.0174	26-11-01	0.1401	27-08-10	0.0122
30-05-84	0.1483	27-02-93	0.0118	27-11-01	0.1251	28-08-10	0.0135
31-05-84	0.2208	28-02-93	0.0082	28-11-01	0.0699	29-08-10	0.0108
01-06-84	0.2169	01-03-93	0.0058	29-11-01	0.0421	30-08-10	0.0087
02-06-84	0.1256	02-03-93	0.0042	30-11-01	0.0267	31-08-10	0.0063
03-06-84	0.0723	03-03-93	0.0113	01-12-01	0.0175	01-09-10	0.0047
04-06-84	0.0547	04-03-93	0.0162	02-12-01	0.2277	02-09-10	0.0041
05-06-84	0.0425	05-03-93	0.0109	03-12-01	0.5517	03-09-10	0.0613
06-06-84	0.0278	06-03-93	0.0076	04-12-01	0.4609	04-09-10	0.1022
07-06-84	0.0189	07-03-93	0.0054	05-12-01	0.2527	05-09-10	0.0598
08-06-84	0.0132	08-03-93	0.0039	06-12-01	0.1277	06-09-10	0.0373
09-06-84	0.0094	09-03-93	0.0029	07-12-01	0.0724	07-09-10	0.0243
10-06-84	0.0069	10-03-93	0.0022	08-12-01	0.0431	08-09-10	0.0164
11-06-84	0.0051	11-03-93	0.0017	09-12-01	0.0271	09-09-10	0.0258
12-06-84	0.0039	12-03-93	0.0014	10-12-01	0.0177	10-09-10	0.0374
13-06-84	0.0030	13-03-93	0.0011	11-12-01	0.0361	11-09-10	0.0298
14-06-84	0.2048	14-03-93	0.0009	12-12-01	0.0455	12-09-10	0.0198
15-06-84	0.5327	15-03-93	0.0008	13-12-01	0.0285	13-09-10	0.0136
16-06-84	0.3678	16-03-93	0.0007	14-12-01	0.0185	14-09-10	0.0139
17-06-84	0.1741	17-03-93	0.0006	15-12-01	0.0125	15-09-10	0.0544
18-06-84	0.0949	18-03-93	0.0170	16-12-01	0.0086	16-09-10	0.0733
19-06-84	0.0569	19-03-93	0.0890	17-12-01	0.0061	17-09-10	0.0985

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
20-06-84	0.0362	20-03-93	0.0990	18-12-01	0.0044	18-09-10	0.1023
21-06-84	0.0240	21-03-93	0.0565	19-12-01	0.0032	19-09-10	0.0597
22-06-84	0.3163	22-03-93	0.0345	20-12-01	0.0177	20-09-10	0.0371
23-06-84	0.4543	23-03-93	0.0220	21-12-01	0.0289	21-09-10	0.0242
24-06-84	0.2153	24-03-93	0.0146	22-12-01	0.0188	22-09-10	0.0163
25-06-84	0.1131	25-03-93	0.0099	23-12-01	0.0126	23-09-10	0.0113
26-06-84	0.0662	26-03-93	0.0069	24-12-01	0.0087	24-09-10	0.0080
27-06-84	0.0414	27-03-93	0.0049	25-12-01	0.0218	25-09-10	0.0139
28-06-84	0.0272	28-03-93	0.0036	26-12-01	0.0300	26-09-10	0.0175
29-06-84	0.0185	29-03-93	0.0223	27-12-01	0.0194	27-09-10	0.0120
30-06-84	0.0129	30-03-93	0.0366	28-12-01	0.0130	28-09-10	0.0085
01-07-84	0.0119	31-03-93	0.0233	29-12-01	0.0090	29-09-10	0.0278
02-07-84	0.0126	01-04-93	0.0154	30-12-01	0.0063	30-09-10	0.0406
03-07-84	0.0106	02-04-93	0.0105	31-12-01	0.0045	01-10-10	0.0260
04-07-84	0.0077	03-04-93	0.0073	01-01-02	0.0033	02-10-10	0.0172
05-07-84	0.0057	04-04-93	0.0052	02-01-02	0.0025	03-10-10	0.0192
06-07-84	0.0044	05-04-93	0.0038	03-01-02	0.0019	04-10-10	0.0194
07-07-84	0.2319	06-04-93	0.0029	04-01-02	0.0015	05-10-10	0.0131
08-07-84	0.3650	07-04-93	0.0022	05-01-02	0.0012	06-10-10	0.0091
09-07-84	0.1741	08-04-93	0.0017	06-01-02	0.0010	07-10-10	0.0064
10-07-84	0.0955	09-04-93	0.0014	07-01-02	0.0009	08-10-10	0.0047
11-07-84	0.0575	10-04-93	0.0650	08-01-02	0.0008	09-10-10	0.0078
12-07-84	0.0368	11-04-93	0.1338	09-01-02	0.0007	10-10-10	0.0097
13-07-84	0.0277	12-04-93	0.0887	10-01-02	0.0006	11-10-10	0.0068
14-07-84	0.0214	13-04-93	0.0663	11-01-02	0.0006	12-10-10	0.0049
15-07-84	0.0149	14-04-93	0.0558	12-01-02	0.0183	13-10-10	0.0036
16-07-84	0.0106	15-04-93	0.0573	13-01-02	0.0667	14-10-10	0.0027

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
17-07-84	0.0077	16-04-93	0.0877	14-01-02	0.2906	15-10-10	0.0021
18-07-84	0.0058	17-04-93	0.1091	15-01-02	0.6603	16-10-10	0.0017
19-07-84	0.0043	18-04-93	0.0824	16-01-02	0.4828	17-10-10	0.0144
20-07-84	0.0033	19-04-93	0.0974	17-01-02	0.2056	18-10-10	0.0255
21-07-84	0.0026	20-04-93	0.1517	18-01-02	0.1043	19-10-10	0.0169
22-07-84	0.0021	21-04-93	0.2227	19-01-02	0.0591	20-10-10	0.0115
23-07-84	0.0017	22-04-93	0.2610	20-01-02	0.0358	21-10-10	0.0366
24-07-84	0.0014	23-04-93	0.2496	21-01-02	0.0227	22-10-10	0.0839
25-07-84	0.0019	24-04-93	0.2402	22-01-02	0.0150	23-10-10	0.0745
26-07-84	0.0023	25-04-93	0.1689	23-01-02	0.1584	24-10-10	0.0445
27-07-84	0.1009	26-04-93	0.0923	24-01-02	0.2308	25-10-10	0.0281
28-07-84	0.1741	27-04-93	0.0556	25-01-02	0.1146	26-10-10	0.0184
29-07-84	0.0952	28-04-93	0.0343	26-01-02	0.1632	27-10-10	0.0125
30-07-84	0.0572	29-04-93	0.0222	27-01-02	0.1686	28-10-10	0.0182
31-07-84	0.0365	30-04-93	0.0148	28-01-02	0.0884	29-10-10	0.0210
01-08-84	0.0243	01-05-93	0.0121	29-01-02	0.0511	30-10-10	0.0141
02-08-84	0.0167	02-05-93	0.0123	30-01-02	0.0314	31-10-10	0.0423
03-08-84	0.0385	03-05-93	0.0105	31-01-02	0.0202	01-11-10	0.0585
04-08-84	0.0510	04-05-93	0.0092	01-02-02	0.0134	02-11-10	0.0356
05-08-84	0.0329	05-05-93	0.0080	02-02-02	0.0091	03-11-10	0.0256
06-08-84	0.0221	06-05-93	0.0058	03-02-02	0.0063	04-11-10	0.0255
07-08-84	0.0153	07-05-93	0.0043	04-02-02	0.0045	05-11-10	0.0343
08-08-84	0.0108	08-05-93	0.0032	05-02-02	0.0033	06-11-10	0.0422
09-08-84	0.0079	09-05-93	0.0024	06-02-02	0.0025	07-11-10	0.0344
10-08-84	0.0058	10-05-93	0.0019	07-02-02	0.0019	08-11-10	0.0220
11-08-84	0.0044	11-05-93	0.0023	08-02-02	0.0015	09-11-10	0.0146
12-08-84	0.0033	12-05-93	0.0034	09-02-02	0.0012	10-11-10	0.0100

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
13-08-84	0.0026	13-05-93	0.0048	10-02-02	0.0010	11-11-10	0.0082
14-08-84	0.0021	14-05-93	1.3368	11-02-02	0.0008	12-11-10	0.0086
15-08-84	0.0017	15-05-93	1.4496	12-02-02	0.0007	13-11-10	0.0088
16-08-84	0.0014	16-05-93	0.4447	13-02-02	0.0007	14-11-10	0.0221
17-08-84	0.0012	17-05-93	0.1976	14-02-02	0.0006	15-11-10	0.0290
18-08-84	0.0045	18-05-93	0.1033	15-02-02	0.0006	16-11-10	0.0189
19-08-84	0.0271	19-05-93	0.0600	16-02-02	0.0005	17-11-10	1.0915
20-08-84	0.0379	20-05-93	0.0405	17-02-02	0.0005	18-11-10	1.3662
21-08-84	0.0369	21-05-93	0.0351	18-02-02	0.0005	19-11-10	1.0656
22-08-84	0.0342	22-05-93	0.0281	19-02-02	0.0005	20-11-10	0.7202
23-08-84	0.0228	23-05-93	0.0187	20-02-02	0.0005	21-11-10	0.2805
24-08-84	0.0157	24-05-93	0.0128	21-02-02	0.0005	22-11-10	0.1430
25-08-84	0.0345	25-05-93	0.0090	22-02-02	0.0005	23-11-10	0.0825
26-08-84	0.0543	26-05-93	0.0065	23-02-02	0.0013	24-11-10	0.0484
27-08-84	0.0414	27-05-93	0.0813	24-02-02	0.0021	25-11-10	0.0301
28-08-84	0.0389	28-05-93	0.1311	25-02-02	0.0030	26-11-10	0.0195
29-08-84	0.0351	29-05-93	0.0738	26-02-02	0.0082	27-11-10	0.0131
30-08-84	0.0233	30-05-93	0.0718	27-02-02	0.0640	28-11-10	0.0090
31-08-84	0.0160	31-05-93	0.0652	28-02-02	0.1312	29-11-10	0.0097
01-09-84	0.0112	01-06-93	0.1092	01-03-02	0.1882	30-11-10	0.0097
02-09-84	0.0080	02-06-93	0.1224	02-03-02	0.1637	01-12-10	0.0068
03-09-84	0.0058	03-06-93	0.0705	03-03-02	0.0856	02-12-10	0.0048
04-09-84	0.0043	04-06-93	0.0436	04-03-02	0.2172	03-12-10	0.0035
05-09-84	0.0033	05-06-93	0.0283	05-03-02	0.5476	04-12-10	0.0026
06-09-84	0.0025	06-06-93	0.0191	06-03-02	0.7923	05-12-10	0.0020
07-09-84	0.0020	07-06-93	0.0133	07-03-02	0.5275	06-12-10	0.0015
08-09-84	0.0016	08-06-93	0.0094	08-03-02	0.2180	07-12-10	0.1348

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
09-09-84	0.0013	09-06-93	0.0376	09-03-02	0.1085	08-12-10	0.4612
10-09-84	0.0011	10-06-93	0.0564	10-03-02	0.4298	09-12-10	0.3659
11-09-84	0.0009	11-06-93	0.0357	11-03-02	0.4962	10-12-10	0.1653
12-09-84	0.0008	12-06-93	0.0237	12-03-02	0.5822	11-12-10	0.0864
13-09-84	0.0007	13-06-93	0.0162	13-03-02	0.5143	12-12-10	0.0498
14-09-84	0.0007	14-06-93	0.0572	14-03-02	0.2255	13-12-10	0.0305
15-09-84	0.0006	15-06-93	0.1632	15-03-02	0.1117	14-12-10	0.0195
16-09-84	0.0032	16-06-93	0.1561	16-03-02	0.0622	15-12-10	0.0129
17-09-84	0.1187	17-06-93	0.0863	17-03-02	0.0372	16-12-10	0.0088
18-09-84	0.3789	18-06-93	0.0850	18-03-02	0.0234	17-12-10	0.0061
19-09-84	0.3556	19-06-93	0.1346	19-03-02	0.0470	18-12-10	0.0044
20-09-84	0.1934	20-06-93	0.1207	20-03-02	0.0816	19-12-10	0.0032
21-09-84	0.1020	21-06-93	0.0698	21-03-02	0.0903	20-12-10	0.0024
22-09-84	0.0596	22-06-93	0.0432	22-03-02	0.0704	21-12-10	0.0018
23-09-84	0.0371	23-06-93	0.0346	23-03-02	0.0415	22-12-10	0.0014
24-09-84	0.0242	24-06-93	0.0575	24-03-02	0.0259	23-12-10	0.0012
25-09-84	0.0163	25-06-93	0.0616	25-03-02	0.0168	24-12-10	0.0010
26-09-84	0.0113	26-06-93	0.0387	26-03-02	0.0112	25-12-10	0.0008
27-09-84	0.0081	27-06-93	0.0255	27-03-02	0.0077	26-12-10	0.0015
28-09-84	0.0058	28-06-93	0.1804	28-03-02	0.0054	27-12-10	0.0020
29-09-84	0.0043	29-06-93	0.2653	29-03-02	0.0039	28-12-10	0.0022
30-09-84	0.0033	30-06-93	0.1384	30-03-02	0.0029	29-12-10	0.0022
01-10-84	0.0025	01-07-93	0.0788	31-03-02	0.0022	30-12-10	0.0017
02-10-84	0.0051	02-07-93	0.0486	01-04-02	0.0017	31-12-10	0.0013
03-10-84	0.0070	03-07-93	0.0316	02-04-02	0.0155	01-01-11	0.0013
04-10-84	0.0051	04-07-93	0.0214	03-04-02	0.0275	02-01-11	0.0012
05-10-84	0.0283	05-07-93	0.0206	04-04-02	0.0180	03-01-11	0.0010

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
06-10-84	0.0927	06-07-93	0.0191	05-04-02	0.0121	04-01-11	0.0008
07-10-84	0.2603	07-07-93	0.0134	06-04-02	0.0084	05-01-11	0.0007
08-10-84	0.2791	08-07-93	0.0097	07-04-02	0.0059	06-01-11	0.0007
09-10-84	0.1476	09-07-93	0.0071	08-04-02	0.0043	07-01-11	0.0085
10-10-84	0.0809	10-07-93	0.0241	09-04-02	0.0032	08-01-11	0.0164
11-10-84	0.0484	11-07-93	0.0361	10-04-02	0.0024	09-01-11	0.0110
12-10-84	0.0306	12-07-93	0.0241	11-04-02	0.1172	10-01-11	0.0076
13-10-84	0.0201	13-07-93	0.0167	12-04-02	0.8856	11-01-11	0.0054
14-10-84	0.0471	14-07-93	0.0118	13-04-02	1.1368	12-01-11	0.0047
15-10-84	0.0612	15-07-93	0.0288	14-04-02	0.5776	13-01-11	0.0041
16-10-84	0.1582	16-07-93	0.0395	15-04-02	0.3515	14-01-11	0.0030
17-10-84	0.1946	17-07-93	0.0261	16-04-02	0.2431	15-01-11	0.0023
18-10-84	0.1018	18-07-93	0.0266	17-04-02	0.1206	16-01-11	0.0018
19-10-84	0.0592	19-07-93	0.0254	18-04-02	0.0676	17-01-11	0.0014
20-10-84	0.0437	20-07-93	0.0458	19-04-02	0.0651	18-01-11	0.0011
21-10-84	0.0370	21-07-93	0.0557	20-04-02	0.0588	19-01-11	0.0010
22-10-84	0.0445	22-07-93	0.0439	21-04-02	0.1179	20-01-11	0.0008
23-10-84	0.0917	23-07-93	0.0574	22-04-02	0.3801	21-01-11	0.0007
24-10-84	0.0941	24-07-93	0.0549	23-04-02	0.4514	22-01-11	0.0007
25-10-84	0.1346	25-07-93	0.0352	24-04-02	0.2595	23-01-11	0.0010
26-10-84	0.1406	26-07-93	0.0235	25-04-02	0.1273	24-01-11	0.0013
27-10-84	0.0776	27-07-93	0.0162	26-04-02	0.0709	25-01-11	0.0011
28-10-84	0.0466	28-07-93	0.0115	27-04-02	0.0426	26-01-11	0.0009
29-10-84	0.0296	29-07-93	0.0689	28-04-02	0.0270	27-01-11	0.0008
30-10-84	0.0195	30-07-93	0.1054	29-04-02	0.0178	28-01-11	0.0007
31-10-84	0.1404	31-07-93	0.0625	30-04-02	0.0121	29-01-11	0.0006
01-11-84	0.2017	01-08-93	0.0394	01-05-02	0.0863	30-01-11	0.0006

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
02-11-84	0.1911	02-08-93	0.0260	02-05-02	0.1307	31-01-11	0.0006
03-11-84	0.1674	03-08-93	0.0178	03-05-02	0.0736	01-02-11	0.0005
04-11-84	0.1516	04-08-93	0.0390	04-05-02	0.0598	02-02-11	0.0005
05-11-84	1.0057	05-08-93	0.0508	05-05-02	0.0540	03-02-11	0.0005
06-11-84	1.5933	06-08-93	0.0327	06-05-02	0.0759	04-02-11	0.0005
07-11-84	0.8291	07-08-93	0.0219	07-05-02	0.0954	05-02-11	0.0005
08-11-84	0.3458	08-08-93	0.0152	08-05-02	0.0693	06-02-11	0.0005
09-11-84	0.2420	09-08-93	0.0432	09-05-02	0.0424	07-02-11	0.0005
10-11-84	0.4927	10-08-93	0.0600	10-05-02	0.0273	08-02-11	0.0005
11-11-84	0.5557	11-08-93	0.0380	11-05-02	0.0182	09-02-11	0.0005
12-11-84	0.2944	12-08-93	0.0251	12-05-02	0.0125	10-02-11	0.0005
13-11-84	0.1427	13-08-93	0.0172	13-05-02	0.0093	11-02-11	0.0005
14-11-84	0.0783	14-08-93	0.0121	14-05-02	0.0090	12-02-11	0.0005
15-11-84	0.0468	15-08-93	0.0087	15-05-02	0.0116	13-02-11	0.0012
16-11-84	0.0296	16-08-93	0.0064	16-05-02	0.0112	14-02-11	0.0029
17-11-84	0.0194	17-08-93	0.0115	17-05-02	0.0080	15-02-11	0.0618
18-11-84	0.0132	18-08-93	0.0149	18-05-02	0.0069	16-02-11	0.2746
19-11-84	0.0092	19-08-93	0.0105	19-05-02	0.0588	17-02-11	0.2723
20-11-84	0.0066	20-08-93	0.0076	20-05-02	0.2333	18-02-11	0.1346
21-11-84	0.0185	21-08-93	0.0056	21-05-02	0.4027	19-02-11	0.0728
22-11-84	0.0483	22-08-93	0.0042	22-05-02	0.3051	20-02-11	0.0429
23-11-84	0.0767	23-08-93	0.0032	23-05-02	0.1485	21-02-11	0.0267
24-11-84	0.1171	24-08-93	0.0025	24-05-02	0.0819	22-02-11	0.0173
25-11-84	0.1043	25-08-93	0.0388	25-05-02	0.0493	23-02-11	0.0116
26-11-84	0.1163	26-08-93	0.0688	26-05-02	0.1421	24-02-11	0.0080
27-11-84	0.2817	27-08-93	0.0537	27-05-02	0.1785	25-02-11	0.0056
28-11-84	0.3158	28-08-93	0.0426	28-05-02	0.0956	26-02-11	0.0040

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
29-11-84	0.1809	29-08-93	0.0708	29-05-02	0.0565	27-02-11	0.0030
30-11-84	0.0956	30-08-93	0.0814	30-05-02	0.0355	28-02-11	0.0022
01-12-84	0.0556	31-08-93	0.0495	31-05-02	0.0233	01-03-11	0.0017
02-12-84	0.1678	01-09-93	0.0953	01-06-02	0.0158	02-03-11	0.0014
03-12-84	0.2109	02-09-93	0.1245	02-06-02	0.0111	03-03-11	0.0011
04-12-84	0.1079	03-09-93	0.0801	03-06-02	0.0079	04-03-11	0.0009
05-12-84	0.0858	04-09-93	0.0514	04-06-02	0.0058	05-03-11	0.0008
06-12-84	0.0688	05-09-93	0.0349	05-06-02	0.0131	06-03-11	0.0007
07-12-84	0.0416	06-09-93	0.0230	06-06-02	0.0181	07-03-11	0.0006
08-12-84	0.0264	07-09-93	0.0157	07-06-02	0.0126	08-03-11	0.0006
09-12-84	0.0285	08-09-93	0.0704	08-06-02	0.0507	09-03-11	0.0006
10-12-84	0.0370	09-09-93	0.1023	09-06-02	0.0744	10-03-11	0.0005
11-12-84	0.0592	10-09-93	0.0601	10-06-02	0.0455	11-03-11	0.0005
12-12-84	0.0599	11-09-93	0.0376	11-06-02	0.0355	12-03-11	0.0005
13-12-84	0.0367	12-09-93	0.0259	12-06-02	0.0282	13-03-11	0.0021
14-12-84	0.0236	13-09-93	0.0385	13-06-02	0.0190	14-03-11	0.0038
15-12-84	0.0285	14-09-93	0.0428	14-06-02	0.0131	15-03-11	0.0028
16-12-84	0.0297	15-09-93	0.0277	15-06-02	0.0192	16-03-11	0.0021
17-12-84	0.0195	16-09-93	0.0234	16-06-02	0.0223	17-03-11	0.0016
18-12-84	0.0131	17-09-93	0.0198	17-06-02	0.0153	18-03-11	0.0013
19-12-84	0.0091	18-09-93	0.0277	18-06-02	0.0126	19-03-11	0.0011
20-12-84	0.0065	19-09-93	0.0312	19-06-02	0.0105	20-03-11	0.0009
21-12-84	0.2972	20-09-93	0.0207	20-06-02	0.0076	21-03-11	0.0008
22-12-84	0.4968	21-09-93	0.0142	21-06-02	0.0056	22-03-11	0.0007
23-12-84	0.2507	22-09-93	0.0217	22-06-02	0.0042	23-03-11	0.0062
24-12-84	0.1242	23-09-93	0.0254	23-06-02	0.0032	24-03-11	0.0204
25-12-84	0.0696	24-09-93	0.0172	24-06-02	0.0025	25-03-11	0.0384

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
26-12-84	0.0420	25-09-93	0.0119	25-06-02	0.0130	26-03-11	0.0388
27-12-84	0.0267	26-09-93	0.0085	26-06-02	0.0219	27-03-11	0.0748
28-12-84	0.0176	27-09-93	0.0144	27-06-02	0.0150	28-03-11	0.0883
29-12-84	0.0159	28-09-93	0.0179	28-06-02	0.0106	29-03-11	0.0550
30-12-84	0.0141	29-09-93	0.0124	29-06-02	0.0574	30-03-11	0.1711
31-12-84	0.0097	30-09-93	0.0135	30-06-02	0.0876	31-03-11	0.3317
01-01-85	0.0068	01-10-93	0.0181	01-07-02	0.0528	01-04-11	0.3046
02-01-85	0.0049	02-10-93	0.0410	02-07-02	0.0338	02-04-11	0.3117
03-01-85	0.0036	03-10-93	0.0488	03-07-02	0.0226	03-04-11	0.2466
04-01-85	0.0027	04-10-93	0.0309	04-07-02	0.0210	04-04-11	0.3771
05-01-85	0.0021	05-10-93	0.0203	05-07-02	0.0501	05-04-11	0.4667
06-01-85	0.0016	06-10-93	0.0138	06-07-02	0.0603	06-04-11	0.4565
07-01-85	0.0046	07-10-93	0.1025	07-07-02	0.0381	07-04-11	0.4516
08-01-85	0.0070	08-10-93	0.1537	08-07-02	0.1012	08-04-11	0.2806
09-01-85	0.0548	09-10-93	0.0838	09-07-02	0.1422	09-04-11	0.1355
10-01-85	0.1000	10-10-93	0.0499	10-07-02	0.0889	10-04-11	0.0739
11-01-85	0.0668	11-10-93	0.0430	11-07-02	0.0537	11-04-11	0.0439
12-01-85	0.0402	12-10-93	0.0366	12-07-02	0.0343	12-04-11	0.0275
13-01-85	0.0255	13-10-93	0.0456	13-07-02	0.0229	13-04-11	0.2150
14-01-85	0.0168	14-10-93	0.0476	14-07-02	0.0328	14-04-11	0.2982
15-01-85	0.0139	15-10-93	0.0302	15-07-02	0.0371	15-04-11	0.1424
16-01-85	0.0115	16-10-93	0.0199	16-07-02	0.0246	16-04-11	0.0772
17-01-85	0.0080	17-10-93	0.0136	17-07-02	0.0168	17-04-11	0.0456
18-01-85	0.0057	18-10-93	0.0262	18-07-02	0.0118	18-04-11	0.0285
19-01-85	0.0041	19-10-93	0.0432	19-07-02	0.0085	19-04-11	0.0186
20-01-85	0.0031	20-10-93	0.0354	20-07-02	0.0295	20-04-11	0.0125
21-01-85	0.0023	21-10-93	0.0231	21-07-02	0.0438	21-04-11	0.0086

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
22-01-85	0.0018	22-10-93	0.0155	22-07-02	0.0285	22-04-11	0.0061
23-01-85	0.0014	23-10-93	0.0374	23-07-02	0.0193	23-04-11	0.0044
24-01-85	0.0809	24-10-93	0.0498	24-07-02	0.0343	24-04-11	0.0033
25-01-85	0.1418	25-10-93	0.0314	25-07-02	0.0420	25-04-11	0.0025
26-01-85	0.0769	26-10-93	0.0207	26-07-02	0.0274	26-04-11	0.0048
27-01-85	0.0455	27-10-93	0.0777	27-07-02	0.0205	27-04-11	0.0064
28-01-85	0.0285	28-10-93	0.1313	28-07-02	0.0190	28-04-11	0.0047
29-01-85	0.0186	29-10-93	0.4706	29-07-02	0.0159	29-04-11	0.0034
30-01-85	0.0125	30-10-93	0.5264	30-07-02	0.0112	30-04-11	0.0026
31-01-85	0.0086	31-10-93	0.2367	31-07-02	0.0081	01-05-11	0.0424
01-02-85	0.0061	01-11-93	0.1401	01-08-02	0.0059	02-05-11	0.0743
02-02-85	0.0044	02-11-93	0.0911	02-08-02	0.0244	03-05-11	0.0448
03-02-85	0.0032	03-11-93	0.0530	03-08-02	0.0380	04-05-11	0.0285
04-02-85	0.0045	04-11-93	0.0327	04-08-02	0.0250	05-05-11	0.0230
05-02-85	0.0052	05-11-93	0.0211	05-08-02	0.0170	06-05-11	0.0188
06-02-85	0.0342	06-11-93	0.0141	06-08-02	0.0310	07-05-11	0.0621
07-02-85	0.0771	07-11-93	0.0465	07-08-02	0.0385	08-05-11	0.1893
08-02-85	0.1017	08-11-93	0.0653	08-08-02	0.0253	09-05-11	0.2725
09-02-85	0.0969	09-11-93	0.0395	09-08-02	0.0172	10-05-11	0.3330
10-02-85	0.0617	10-11-93	0.0251	10-08-02	0.0120	11-05-11	0.2543
11-02-85	0.0373	11-11-93	0.0166	11-08-02	0.0086	12-05-11	0.1267
12-02-85	0.0237	12-11-93	0.0113	12-08-02	0.0063	13-05-11	0.0714
13-02-85	0.0156	13-11-93	0.0369	13-08-02	0.0047	14-05-11	0.0433
14-02-85	0.0919	14-11-93	0.0525	14-08-02	0.0565	15-05-11	0.1048
15-02-85	0.1752	15-11-93	0.0325	15-08-02	0.0947	16-05-11	0.2379
16-02-85	0.1548	16-11-93	0.0210	16-08-02	0.0564	17-05-11	0.3835
17-02-85	0.1774	17-11-93	0.0141	17-08-02	0.0356	18-05-11	0.3514

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
18-02-85	0.2096	18-11-93	0.0097	18-08-02	0.0235	19-05-11	0.1946
19-02-85	0.1991	19-11-93	0.0068	19-08-02	0.0184	20-05-11	0.1020
20-02-85	0.1359	20-11-93	0.0519	20-08-02	0.0146	21-05-11	0.0795
21-02-85	0.0739	21-11-93	0.1279	21-08-02	0.0103	22-05-11	0.0631
22-02-85	0.0438	22-11-93	0.1051	22-08-02	0.0074	23-05-11	0.1424
23-02-85	0.0274	23-11-93	0.0600	23-08-02	0.0055	24-05-11	0.3360
24-02-85	0.0178	24-11-93	0.0659	24-08-02	0.0598	25-05-11	0.2832
25-02-85	0.0120	25-11-93	0.1520	25-08-02	0.1081	26-05-11	0.1393
26-02-85	0.0083	26-11-93	0.1555	26-08-02	0.1142	27-05-11	0.2209
27-02-85	0.0058	27-11-93	0.0835	27-08-02	0.1005	28-05-11	0.2451
28-02-85	0.0042	28-11-93	0.0491	28-08-02	0.0592	29-05-11	0.1321
01-03-85	0.0031	29-11-93	0.0519	29-08-02	0.0388	30-05-11	0.0743
02-03-85	0.0023	30-11-93	0.1003	30-08-02	0.0656	31-05-11	0.0450
03-03-85	0.0018	01-12-93	0.4097	31-08-02	0.0747	01-06-11	0.0289
04-03-85	0.0014	02-12-93	0.4269	01-09-02	0.0942	02-06-11	0.0194
05-03-85	0.0012	03-12-93	0.1884	02-09-02	0.1034	03-06-11	0.0134
06-03-85	0.0016	04-12-93	0.0976	03-09-02	0.0892	04-06-11	0.0462
07-03-85	0.0019	05-12-93	0.0561	04-09-02	0.0705	05-06-11	0.1361
08-03-85	0.0015	06-12-93	0.0344	05-09-02	0.0430	06-06-11	0.1323
09-03-85	0.0012	07-12-93	0.0221	06-09-02	0.0419	07-06-11	0.0751
10-03-85	0.0010	08-12-93	0.0571	07-09-02	0.0880	08-06-11	0.0459
11-03-85	0.0009	09-12-93	0.2163	08-09-02	0.0937	09-06-11	0.0296
12-03-85	0.0008	10-12-93	0.2260	09-09-02	0.0552	10-06-11	0.0198
13-03-85	0.0007	11-12-93	0.1133	10-09-02	0.0346	11-06-11	0.0137
14-03-85	0.0006	12-12-93	0.0639	11-09-02	0.0226	12-06-11	0.0097
15-03-85	0.0006	13-12-93	0.0386	12-09-02	0.0153	13-06-11	0.0070
16-03-85	0.0006	14-12-93	0.0245	13-09-02	0.0106	14-06-11	0.0052

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
17-03-85	0.0005	15-12-93	0.0162	14-09-02	0.0159	15-06-11	0.0039
18-03-85	0.0005	16-12-93	0.0110	15-09-02	0.0521	16-06-11	0.0030
19-03-85	0.0005	17-12-93	0.0076	16-09-02	0.2335	17-06-11	0.0023
20-03-85	0.0005	18-12-93	0.0511	17-09-02	0.5749	18-06-11	0.0018
21-03-85	0.0116	19-12-93	0.0799	18-09-02	0.4604	19-06-11	0.0206
22-03-85	0.0631	20-12-93	0.0471	19-09-02	0.2054	20-06-11	0.0373
23-03-85	0.0725	21-12-93	0.0294	20-09-02	0.1067	21-06-11	0.0245
24-03-85	0.0525	22-12-93	0.0191	21-09-02	0.1112	22-06-11	0.0167
25-03-85	0.0394	23-12-93	0.0128	22-09-02	0.1174	23-06-11	0.0134
26-03-85	0.0249	24-12-93	0.0088	23-09-02	0.0773	24-06-11	0.0108
27-03-85	0.0164	25-12-93	0.0377	24-09-02	0.0465	25-06-11	0.0078
28-03-85	0.0326	26-12-93	0.0565	25-09-02	0.0296	26-06-11	0.0057
29-03-85	0.0672	27-12-93	0.0346	26-09-02	0.0196	27-06-11	0.0339
30-03-85	0.0612	28-12-93	0.0222	27-09-02	0.0133	28-06-11	0.0966
31-03-85	0.0978	29-12-93	0.0147	28-09-02	0.0124	29-06-11	0.0907
01-04-85	0.1244	30-12-93	0.0101	29-09-02	0.0142	30-06-11	0.0543
02-04-85	0.0814	31-12-93	0.0070	30-09-02	0.0122	01-07-11	0.0345
03-04-85	0.0482	01-01-94	0.0050	01-10-02	0.0086	02-07-11	0.0230
04-04-85	0.0302	02-01-94	0.0104	02-10-02	0.0061	03-07-11	0.0159
05-04-85	0.0272	03-01-94	0.0301	03-10-02	0.0053	04-07-11	0.0156
06-04-85	0.0313	04-01-94	0.0338	04-10-02	0.0047	05-07-11	0.0147
07-04-85	0.0262	05-01-94	0.0217	05-10-02	0.0034	06-07-11	0.0104
08-04-85	0.0173	06-01-94	0.0503	06-10-02	0.0037	07-07-11	0.0076
09-04-85	0.0881	07-01-94	0.0646	07-10-02	0.0037	08-07-11	0.0056
10-04-85	0.1267	08-01-94	0.0389	08-10-02	0.0028	09-07-11	0.0042
11-04-85	0.0899	09-01-94	0.0247	09-10-02	0.0021	10-07-11	0.0032
12-04-85	0.1459	10-01-94	0.0162	10-10-02	0.0017	11-07-11	0.0025

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
13-04-85	0.1449	11-01-94	0.0110	11-10-02	0.0013	12-07-11	0.0020
14-04-85	0.0930	12-01-94	0.0077	12-10-02	0.0011	13-07-11	0.0096
15-04-85	0.1174	13-01-94	0.0054	13-10-02	0.0009	14-07-11	0.0523
16-04-85	0.3357	14-01-94	0.0040	14-10-02	0.0008	15-07-11	0.0670
17-04-85	0.6458	15-01-94	0.0029	15-10-02	0.0011	16-07-11	0.0418
18-04-85	0.4664	16-01-94	0.0022	16-10-02	0.0022	17-07-11	0.0274
19-04-85	0.2033	17-01-94	0.0017	17-10-02	0.0025	18-07-11	0.0186
20-04-85	0.1050	18-01-94	0.0014	18-10-02	0.0019	19-07-11	0.0130
21-04-85	0.0604	19-01-94	0.0011	19-10-02	0.0015	20-07-11	0.0093
22-04-85	0.0371	20-01-94	0.0010	20-10-02	0.0012	21-07-11	0.0068
23-04-85	0.0239	21-01-94	0.0008	21-10-02	0.0010	22-07-11	0.0050
24-04-85	0.0160	22-01-94	0.0007	22-10-02	0.0027	23-07-11	0.0229
25-04-85	0.0110	23-01-94	0.0007	23-10-02	0.0055	24-07-11	0.0363
26-04-85	0.0077	24-01-94	0.0006	24-10-02	0.0052	25-07-11	0.0241
27-04-85	0.0056	25-01-94	0.0006	25-10-02	0.0038	26-07-11	0.0165
28-04-85	0.0041	26-01-94	0.0005	26-10-02	0.0036	27-07-11	0.0416
29-04-85	0.0031	27-01-94	0.0005	27-10-02	0.0037	28-07-11	0.0562
30-04-85	0.0024	28-01-94	0.0005	28-10-02	0.3791	29-07-11	0.0356
01-05-85	0.0062	29-01-94	0.0005	29-10-02	0.5650	30-07-11	0.0236
02-05-85	0.0281	30-01-94	0.0005	30-10-02	0.2601	31-07-11	0.0729
03-05-85	0.0369	31-01-94	0.0005	31-10-02	2.9619	01-08-11	0.0990
04-05-85	0.5525	01-02-94	0.0005	01-11-02	2.2772	02-08-11	0.0589
05-05-85	0.7608	02-02-94	0.0005	02-11-02	0.5689	03-08-11	0.0373
06-05-85	0.3680	03-02-94	0.0022	03-11-02	0.3195	04-08-11	0.0674
07-05-85	0.1928	04-02-94	0.0042	04-11-02	0.3296	05-08-11	0.1484
08-05-85	0.1020	05-02-94	0.0031	05-11-02	0.3143	06-08-11	0.1363
09-05-85	0.0598	06-02-94	0.0023	06-11-02	0.4856	07-08-11	0.0775

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
10-05-85	0.0374	07-02-94	0.0018	07-11-02	1.5220	08-08-11	0.0475
11-05-85	0.0244	08-02-94	0.0014	08-11-02	1.1414	09-08-11	0.0337
12-05-85	0.0166	09-02-94	0.0011	09-11-02	0.3753	10-08-11	0.0248
13-05-85	0.0115	10-02-94	0.0010	10-11-02	0.1701	11-08-11	0.0421
14-05-85	0.0082	11-02-94	0.0008	11-11-02	0.0893	12-08-11	0.0503
15-05-85	0.0279	12-02-94	0.0007	12-11-02	0.0517	13-08-11	0.0323
16-05-85	0.0822	13-02-94	0.0055	13-11-02	0.1422	14-08-11	0.0216
17-05-85	0.1517	14-02-94	0.0119	14-11-02	0.2605	15-08-11	0.0149
18-05-85	0.2210	15-02-94	0.0205	15-11-02	0.1894	16-08-11	0.0105
19-05-85	0.1773	16-02-94	0.0573	16-11-02	0.0977	17-08-11	0.0076
20-05-85	0.0954	17-02-94	0.0641	17-11-02	0.0591	18-08-11	0.0056
21-05-85	0.0566	18-02-94	0.0384	18-11-02	0.1381	19-08-11	0.0042
22-05-85	0.0356	19-02-94	0.0242	19-11-02	0.1655	20-08-11	0.0032
23-05-85	0.0235	20-02-94	0.0158	20-11-02	0.0993	21-08-11	0.0025
24-05-85	0.0511	21-02-94	0.0107	21-11-02	0.0634	22-08-11	0.0020
25-05-85	0.0652	22-02-94	0.0074	22-11-02	0.0508	23-08-11	0.0016
26-05-85	0.0405	23-02-94	0.0052	23-11-02	0.0701	24-08-11	0.0013
27-05-85	0.0264	24-02-94	0.0038	24-11-02	0.0942	25-08-11	0.0011
28-05-85	0.0449	25-02-94	0.0028	25-11-02	0.1308	26-08-11	0.0010
29-05-85	0.0534	26-02-94	0.0021	26-11-02	0.1476	27-08-11	0.0008
30-05-85	0.0339	27-02-94	0.0017	27-11-02	0.1360	28-08-11	0.0007
31-05-85	0.0224	28-02-94	0.0013	28-11-02	0.1799	29-08-11	0.0007
01-06-85	0.0488	01-03-94	0.0011	29-11-02	0.1581	30-08-11	0.0006
02-06-85	0.0626	02-03-94	0.0009	30-11-02	0.0841	31-08-11	0.0156
03-06-85	0.0394	03-03-94	0.0008	01-12-02	0.0491	01-09-11	0.0517
04-06-85	0.0260	04-03-94	0.0021	02-12-02	0.0303	02-09-11	0.0494
05-06-85	0.0177	05-03-94	0.0350	03-12-02	0.0195	03-09-11	0.0313

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
06-06-85	0.0124	06-03-94	0.0574	04-12-02	0.3401	04-09-11	0.0207
07-06-85	0.0089	07-03-94	0.0349	05-12-02	0.5123	05-09-11	0.0141
08-06-85	0.0065	08-03-94	0.0222	06-12-02	0.2456	06-09-11	0.0099
09-06-85	0.0467	09-03-94	0.0146	07-12-02	0.1207	07-09-11	0.0070
10-06-85	0.0757	10-03-94	0.0099	08-12-02	0.0671	08-09-11	0.0051
11-06-85	0.0467	11-03-94	0.0069	09-12-02	0.0401	09-09-11	0.0038
12-06-85	0.0303	12-03-94	0.0049	10-12-02	0.0253	10-09-11	0.0305
13-06-85	0.0277	13-03-94	0.0036	11-12-02	0.0165	11-09-11	0.0513
14-06-85	0.0248	14-03-94	0.0027	12-12-02	0.0112	12-09-11	0.0324
15-06-85	0.0170	15-03-94	0.0020	13-12-02	0.0077	13-09-11	0.0213
16-06-85	0.0120	16-03-94	0.1141	14-12-02	0.0055	14-09-11	0.1071
17-06-85	0.0086	17-03-94	0.1911	15-12-02	0.0040	15-09-11	0.1523
18-06-85	0.0113	18-03-94	0.0982	16-12-02	0.0029	16-09-11	0.0832
19-06-85	0.0126	19-03-94	0.1231	17-12-02	0.0022	17-09-11	0.0497
20-06-85	0.0090	20-03-94	0.1217	18-12-02	0.0017	18-09-11	0.0314
21-06-85	0.0066	21-03-94	0.0675	19-12-02	0.0036	19-09-11	0.0207
22-06-85	0.0049	22-03-94	0.0404	20-12-02	0.0828	20-09-11	0.0141
23-06-85	0.0439	23-03-94	0.0254	21-12-02	0.2246	21-09-11	0.0098
24-06-85	0.0734	24-03-94	0.0222	22-12-02	0.3536	22-09-11	0.0205
25-06-85	0.0454	25-03-94	0.0416	23-12-02	0.2868	23-09-11	0.0894
26-06-85	0.0384	26-03-94	0.1013	24-12-02	0.1905	24-09-11	0.1082
27-06-85	0.0324	27-03-94	0.1031	25-12-02	0.3687	25-09-11	0.0624
28-06-85	0.0419	28-03-94	0.0904	26-12-02	0.3429	26-09-11	0.0837
29-06-85	0.0450	29-03-94	0.0767	27-12-02	0.7220	27-09-11	0.0876
30-06-85	0.0547	30-03-94	0.0452	28-12-02	0.6965	28-09-11	0.0519
01-07-85	0.0566	31-03-94	0.0282	29-12-02	0.4199	29-09-11	0.0370
02-07-85	0.0362	01-04-94	0.0184	30-12-02	0.2824	30-09-11	0.0881

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
03-07-85	0.0291	02-04-94	0.0124	31-12-02	0.1358	01-10-11	0.3844
04-07-85	0.0629	03-04-94	0.0086	01-01-03	0.0738	02-10-11	0.4126
05-07-85	0.0748	04-04-94	0.0061	02-01-03	0.0504	03-10-11	0.1974
06-07-85	0.1293	05-04-94	0.0146	03-01-03	0.0360	04-10-11	0.1024
07-07-85	0.1936	06-04-94	0.0202	04-01-03	0.0229	05-10-11	0.0590
08-07-85	0.1396	07-04-94	0.0136	05-01-03	0.0151	06-10-11	0.0363
09-07-85	0.0797	08-04-94	0.0093	06-01-03	0.0124	07-10-11	0.0234
10-07-85	0.0491	09-04-94	0.0066	07-01-03	0.0103	08-10-11	0.0349
11-07-85	0.0318	10-04-94	0.0048	08-01-03	0.0071	09-10-11	0.1215
12-07-85	0.0215	11-04-94	0.0370	09-01-03	0.0051	10-10-11	0.2470
13-07-85	0.0149	12-04-94	0.0606	10-01-03	0.0037	11-10-11	0.4017
14-07-85	0.0107	13-04-94	0.0370	11-01-03	0.0027	12-10-11	0.4188
15-07-85	0.0271	14-04-94	0.0417	12-01-03	0.0021	13-10-11	0.4265
16-07-85	0.0377	15-04-94	0.0880	13-01-03	0.0016	14-10-11	0.3166
17-07-85	0.0251	16-04-94	0.0898	14-01-03	0.0013	15-10-11	0.2040
18-07-85	0.0172	17-04-94	0.0524	15-01-03	0.0011	16-10-11	0.2954
19-07-85	0.0122	18-04-94	0.0325	16-01-03	0.0009	17-10-11	0.2914
20-07-85	0.0088	19-04-94	0.1093	17-01-03	0.0008	18-10-11	0.1636
21-07-85	0.0065	20-04-94	0.2760	18-01-03	0.0007	19-10-11	0.0875
22-07-85	0.0244	21-04-94	0.3572	19-01-03	0.0006	20-10-11	0.0515
23-07-85	0.0374	22-04-94	0.7118	20-01-03	0.0006	21-10-11	0.0321
24-07-85	0.0248	23-04-94	0.5937	21-01-03	0.0006	22-10-11	0.0379
25-07-85	0.0171	24-04-94	0.2835	22-01-03	0.0005	23-10-11	0.0388
26-07-85	0.0120	25-04-94	0.8510	23-01-03	0.0005	24-10-11	0.0248
27-07-85	0.0087	26-04-94	0.8010	24-01-03	0.0005	25-10-11	0.0165
28-07-85	0.0064	27-04-94	0.2989	25-01-03	0.0005	26-10-11	0.0113
29-07-85	0.1342	28-04-94	0.1439	26-01-03	0.0005	27-10-11	0.2805

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
30-07-85	0.2991	29-04-94	0.0785	27-01-03	0.0005	28-10-11	0.5038
31-07-85	0.2086	30-04-94	0.6466	28-01-03	0.0005	29-10-11	0.2785
01-08-85	0.1103	01-05-94	0.8773	29-01-03	0.0005	30-10-11	0.1362
02-08-85	0.0649	02-05-94	0.4769	30-01-03	0.0005	31-10-11	0.0750
03-08-85	0.1698	03-05-94	0.2923	31-01-03	0.0005	01-11-11	0.0448
04-08-85	0.2095	04-05-94	0.1667	01-02-03	0.0005	02-11-11	0.0281
05-08-85	0.1106	05-05-94	0.0900	02-02-03	0.0005	03-11-11	0.0184
06-08-85	0.1657	06-05-94	0.1136	03-02-03	0.0005	04-11-11	0.0124
07-08-85	0.1762	07-05-94	0.1639	04-02-03	0.0005	05-11-11	0.0086
08-08-85	0.1049	08-05-94	0.1258	05-02-03	0.0005	06-11-11	0.1196
09-08-85	0.0685	09-05-94	0.0714	06-02-03	0.0005	07-11-11	0.1855
10-08-85	0.0427	10-05-94	0.0736	07-02-03	0.0005	08-11-11	0.0966
11-08-85	0.0279	11-05-94	0.0762	08-02-03	0.0005	09-11-11	0.0557
12-08-85	0.0189	12-05-94	0.0515	09-02-03	0.0005	10-11-11	0.0342
13-08-85	0.0132	13-05-94	0.0767	10-02-03	0.0005	11-11-11	0.0220
14-08-85	0.0094	14-05-94	0.2003	11-02-03	0.0005	12-11-11	0.0147
15-08-85	0.0069	15-05-94	0.2227	12-02-03	0.0292	13-11-11	0.0100
16-08-85	0.0079	16-05-94	0.2037	13-02-03	0.0627	14-11-11	0.0662
17-08-85	0.0134	17-05-94	0.4402	14-02-03	0.0769	15-11-11	0.1010
18-08-85	0.0141	18-05-94	0.4052	15-02-03	0.0733	16-11-11	0.0831
19-08-85	0.0100	19-05-94	0.2583	16-02-03	0.0429	17-11-11	0.0759
20-08-85	0.0073	20-05-94	0.3090	17-02-03	0.0266	18-11-11	0.0507
21-08-85	0.0054	21-05-94	0.2426	18-02-03	0.0171	19-11-11	0.0370
22-08-85	0.0040	22-05-94	0.1230	19-02-03	0.0114	20-11-11	0.3526
23-08-85	0.0031	23-05-94	0.0703	20-02-03	0.0078	21-11-11	0.4523
24-08-85	0.0024	24-05-94	0.0431	21-02-03	0.0055	22-11-11	0.1974
25-08-85	0.0019	25-05-94	0.3836	22-02-03	0.0039	23-11-11	0.5525

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
26-08-85	0.0016	26-05-94	0.8195	23-02-03	0.0029	24-11-11	1.1456
27-08-85	0.0013	27-05-94	1.0491	24-02-03	0.0022	25-11-11	0.8780
28-08-85	0.0011	28-05-94	0.7008	25-02-03	0.0017	26-11-11	0.4039
29-08-85	0.0009	29-05-94	0.2778	26-02-03	0.0013	27-11-11	0.1811
30-08-85	0.0101	30-05-94	0.1382	27-02-03	0.0011	28-11-11	0.0947
31-08-85	0.0192	31-05-94	0.0773	28-02-03	0.0009	29-11-11	0.0548
01-09-85	0.0133	01-06-94	0.1103	01-03-03	0.0008	30-11-11	0.0338
02-09-85	0.0094	02-06-94	0.1169	02-03-03	0.0007	01-12-11	0.0217
03-09-85	0.0115	03-06-94	0.0678	03-03-03	0.0006	02-12-11	0.0143
04-09-85	0.0221	04-06-94	0.0505	04-03-03	0.0006	03-12-11	0.0161
05-09-85	0.0236	05-06-94	0.0444	05-03-03	0.0006	04-12-11	0.0934
06-09-85	0.0160	06-06-94	0.0331	06-03-03	0.0005	05-12-11	0.1271
07-09-85	0.0112	07-06-94	0.0221	07-03-03	0.0005	06-12-11	0.0696
08-09-85	0.0153	08-06-94	0.0217	08-03-03	0.0005	07-12-11	0.0870
09-09-85	0.0173	09-06-94	0.0204	09-03-03	0.0005	08-12-11	0.2622
10-09-85	0.0120	10-06-94	0.0180	10-03-03	0.0005	09-12-11	0.2676
11-09-85	0.0085	11-06-94	0.0157	11-03-03	0.0005	10-12-11	0.1298
12-09-85	0.0062	12-06-94	0.0111	12-03-03	0.0005	11-12-11	0.0708
13-09-85	0.0046	13-06-94	0.0080	13-03-03	0.0005	12-12-11	0.0420
14-09-85	0.0680	14-06-94	0.0064	14-03-03	0.0005	13-12-11	0.0628
15-09-85	0.1136	15-06-94	0.0459	15-03-03	0.0005	14-12-11	0.0691
16-09-85	0.0656	16-06-94	0.0907	16-03-03	0.0005	15-12-11	0.0411
17-09-85	0.0433	17-06-94	0.0672	17-03-03	0.0005	16-12-11	0.0258
18-09-85	0.0300	18-06-94	0.0501	18-03-03	0.0005	17-12-11	0.0168
19-09-85	0.0200	19-06-94	0.0721	19-03-03	0.0005	18-12-11	0.0113
20-09-85	0.0137	20-06-94	0.0723	20-03-03	0.0005	19-12-11	0.0078
21-09-85	0.0096	21-06-94	0.0447	21-03-03	0.0005	20-12-11	0.0055

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
22-09-85	0.0819	22-06-94	0.1583	22-03-03	0.0005	21-12-11	0.0330
23-09-85	0.1275	23-06-94	0.2052	23-03-03	0.0005	22-12-11	0.0523
24-09-85	0.0723	24-06-94	0.1616	24-03-03	0.0010	23-12-11	0.0320
25-09-85	0.0466	25-06-94	0.1290	25-03-03	0.0016	24-12-11	0.0205
26-09-85	0.0316	26-06-94	0.0739	26-03-03	0.0013	25-12-11	0.0176
27-09-85	0.0278	27-06-94	0.1863	27-03-03	0.0098	26-12-11	0.0150
28-09-85	0.0241	28-06-94	0.2252	28-03-03	0.0173	27-12-11	0.0890
29-09-85	0.0163	29-06-94	0.1169	29-03-03	0.0324	28-12-11	0.2812
30-09-85	0.0113	30-06-94	0.0679	30-03-03	0.2751	29-12-11	0.2499
01-10-85	0.0080	01-07-94	0.0424	31-03-03	0.3382	30-12-11	0.1221
02-10-85	0.0058	02-07-94	0.0400	01-04-03	0.2806	31-12-11	0.0676
03-10-85	0.0043	03-07-94	0.1128	02-04-03	0.2267	01-01-12	0.0404
04-10-85	0.0032	04-07-94	0.2898	03-04-03	0.2744	02-01-12	0.0255
05-10-85	0.0024	05-07-94	0.2654	04-04-03	0.2571	03-01-12	0.0167
06-10-85	0.0019	06-07-94	0.1341	05-04-03	0.3170	04-01-12	0.0113
07-10-85	0.0015	07-07-94	0.0767	06-04-03	0.2950	05-01-12	0.0078
08-10-85	0.0013	08-07-94	0.0473	07-04-03	0.1398	06-01-12	0.0055
09-10-85	0.4487	09-07-94	0.0307	08-04-03	0.0751	07-01-12	0.0040
10-10-85	0.6393	10-07-94	0.0207	09-04-03	0.0441	08-01-12	0.0030
11-10-85	0.2577	11-07-94	0.0144	10-04-03	0.0274	09-01-12	0.0023
12-10-85	0.1279	12-07-94	0.0409	11-04-03	0.0177	10-01-12	0.0018
13-10-85	0.0719	13-07-94	0.1285	12-04-03	0.0118	11-01-12	0.0014
14-10-85	0.0436	14-07-94	0.1322	13-04-03	0.0081	12-01-12	0.0023
15-10-85	0.0278	15-07-94	0.0757	14-04-03	0.0057	13-01-12	0.0029
16-10-85	0.0184	16-07-94	0.0467	15-04-03	0.0041	14-01-12	0.0022
17-10-85	0.0126	17-07-94	0.0303	16-04-03	0.0030	15-01-12	0.0017
18-10-85	0.0088	18-07-94	0.0204	17-04-03	0.0023	16-01-12	0.0222

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
19-10-85	0.0063	19-07-94	0.0185	18-04-03	0.0018	17-01-12	0.0418
20-10-85	0.0046	20-07-94	0.0690	19-04-03	0.0014	18-01-12	0.0278
21-10-85	0.0035	21-07-94	0.0927	20-04-03	0.0011	19-01-12	0.0181
22-10-85	0.0026	22-07-94	0.0557	21-04-03	0.0009	20-01-12	0.0121
23-10-85	0.0020	23-07-94	0.0355	22-04-03	0.0008	21-01-12	0.0084
24-10-85	0.0016	24-07-94	0.0901	23-04-03	0.0007	22-01-12	0.0059
25-10-85	0.0013	25-07-94	0.1363	24-04-03	0.1537	23-01-12	0.0043
26-10-85	0.0011	26-07-94	0.0928	25-04-03	0.5788	24-01-12	0.0031
27-10-85	0.0009	27-07-94	0.0557	26-04-03	0.5211	25-01-12	0.0024
28-10-85	0.0008	28-07-94	0.0355	27-04-03	0.3355	26-01-12	0.0018
29-10-85	0.0007	29-07-94	0.0236	28-04-03	0.2092	27-01-12	0.0014
30-10-85	0.0007	30-07-94	0.0162	29-04-03	0.1057	28-01-12	0.0012
31-10-85	0.0006	31-07-94	0.0969	30-04-03	0.0598	29-01-12	0.0010
01-11-85	0.0006	01-08-94	0.1437	01-05-03	0.0540	30-01-12	0.0008
02-11-85	0.0005	02-08-94	0.0806	02-05-03	0.0475	31-01-12	0.0007
03-11-85	0.0005	03-08-94	0.0492	03-05-03	0.0300	01-02-12	0.0007
04-11-85	0.0005	04-08-94	0.0699	04-05-03	0.0197	02-02-12	0.0006
05-11-85	0.0005	05-08-94	0.0759	05-05-03	0.0133	03-02-12	0.0006
06-11-85	0.0005	06-08-94	0.0466	06-05-03	0.0093	04-02-12	0.0005
07-11-85	0.0005	07-08-94	0.0302	07-05-03	0.0066	05-02-12	0.0005
08-11-85	0.0005	08-08-94	0.0203	08-05-03	0.0048	06-02-12	0.0005
09-11-85	0.0107	09-08-94	0.0161	09-05-03	0.0036	07-02-12	0.0005
10-11-85	0.0222	10-08-94	0.0168	10-05-03	0.0027	08-02-12	0.0005
11-11-85	0.0148	11-08-94	0.0149	11-05-03	0.0021	09-02-12	0.0005
12-11-85	0.0101	12-08-94	0.0105	12-05-03	0.0017	10-02-12	0.0005
13-11-85	0.0071	13-08-94	0.0076	13-05-03	0.0013	11-02-12	0.0005
14-11-85	0.0051	14-08-94	0.0056	14-05-03	0.0011	12-02-12	0.0005

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
15-11-85	0.0038	15-08-94	0.0042	15-05-03	0.0010	13-02-12	0.0005
16-11-85	0.0028	16-08-94	0.0032	16-05-03	0.0008	14-02-12	0.0005
17-11-85	0.0022	17-08-94	0.0025	17-05-03	0.0007	15-02-12	0.0005
18-11-85	0.0017	18-08-94	0.0020	18-05-03	0.0007	16-02-12	0.0112
19-11-85	0.0014	19-08-94	0.0254	19-05-03	0.0006	17-02-12	0.0231
20-11-85	0.0323	20-08-94	0.0459	20-05-03	0.0006	18-02-12	0.0152
21-11-85	0.0697	21-08-94	0.0297	21-05-03	0.0006	19-02-12	0.0103
22-11-85	0.2813	22-08-94	0.0199	22-05-03	0.0005	20-02-12	0.0071
23-11-85	0.3425	23-08-94	0.0138	23-05-03	2.1818	21-02-12	0.0051
24-11-85	0.1734	24-08-94	0.0098	24-05-03	2.5093	22-02-12	0.0037
25-11-85	0.0981	25-08-94	0.0547	25-05-03	0.8462	23-02-12	0.0027
26-11-85	0.0566	26-08-94	0.1635	26-05-03	0.3128	24-02-12	0.0021
27-11-85	0.1392	27-08-94	0.1532	27-05-03	0.1504	25-02-12	0.0016
28-11-85	0.2889	28-08-94	0.0847	28-05-03	0.0822	26-02-12	0.0013
29-11-85	0.4777	29-08-94	0.0511	29-05-03	0.0491	27-02-12	0.0098
30-11-85	0.4245	30-08-94	0.0326	30-05-03	0.0310	28-02-12	0.0174
01-12-85	0.2150	31-08-94	0.0217	31-05-03	0.0204	29-02-12	0.0117
02-12-85	0.1089	01-09-94	0.0148	01-06-03	0.6156	01-03-12	0.0080
03-12-85	0.7048	02-09-94	0.0104	02-06-03	0.7774	02-03-12	0.0056
04-12-85	0.7763	03-09-94	0.0101	03-06-03	0.2974	03-03-12	0.0043
05-12-85	0.2906	04-09-94	0.0528	04-06-03	0.1457	04-03-12	0.0048
06-12-85	0.4508	05-09-94	0.0767	05-06-03	0.0807	05-03-12	0.0190
07-12-85	0.9644	06-09-94	0.0505	06-06-03	0.0488	06-03-12	0.0320
08-12-85	0.8225	07-09-94	0.0398	07-06-03	0.0311	07-03-12	0.0853
09-12-85	0.3870	08-09-94	0.0375	08-06-03	0.0207	08-03-12	0.1035
10-12-85	0.1749	09-09-94	0.0506	09-06-03	0.0142	09-03-12	0.0585
11-12-85	0.0918	10-09-94	0.0483	10-06-03	0.0100	10-03-12	0.0353

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
12-12-85	0.3441	11-09-94	0.0420	11-06-03	0.0072	11-03-12	0.0224
13-12-85	0.5458	12-09-94	0.0679	12-06-03	0.0053	12-03-12	0.0147
14-12-85	0.4232	13-09-94	0.0680	13-06-03	0.0039	13-03-12	0.0100
15-12-85	0.2577	14-09-94	0.0417	14-06-03	0.0030	14-03-12	0.0069
16-12-85	0.1262	15-09-94	0.0269	15-06-03	0.0023	15-03-12	0.0049
17-12-85	0.0701	16-09-94	0.0180	16-06-03	0.0018	16-03-12	0.0036
18-12-85	0.0420	17-09-94	0.0124	17-06-03	0.0015	17-03-12	0.0026
19-12-85	0.0265	18-09-94	0.0087	18-06-03	0.0012	18-03-12	0.0020
20-12-85	0.0174	19-09-94	0.0063	19-06-03	0.0010	19-03-12	0.0016
21-12-85	0.0117	20-09-94	0.0434	20-06-03	0.0009	20-03-12	0.0013
22-12-85	0.0082	21-09-94	0.2233	21-06-03	0.0008	21-03-12	0.0014
23-12-85	0.0058	22-09-94	0.2431	22-06-03	0.0007	22-03-12	0.0019
24-12-85	0.0042	23-09-94	0.1226	23-06-03	0.0007	23-03-12	0.0019
25-12-85	0.0031	24-09-94	0.0778	24-06-03	0.0006	24-03-12	0.0017
26-12-85	0.0024	25-09-94	0.0528	25-06-03	0.0006	25-03-12	0.0014
27-12-85	0.0018	26-09-94	0.2136	26-06-03	0.0005	26-03-12	0.0012
28-12-85	0.0015	27-09-94	0.2752	27-06-03	0.0005	27-03-12	0.0010
29-12-85	0.0012	28-09-94	0.1362	28-06-03	0.0005	28-03-12	0.0008
30-12-85	0.0010	29-09-94	0.0758	29-06-03	0.0005	29-03-12	0.0007
31-12-85	0.0009	30-09-94	0.0458	30-06-03	0.0005	30-03-12	0.0007
01-01-86	0.0007	01-10-94	0.0290	01-07-03	0.0005	31-03-12	0.0006
02-01-86	0.0007	02-10-94	0.0418	02-07-03	0.0005	01-04-12	0.0006
03-01-86	0.0006	03-10-94	0.0465	03-07-03	0.0015	02-04-12	0.0005
04-01-86	0.0006	04-10-94	0.0292	04-07-03	0.0182	03-04-12	0.0595
05-01-86	0.0005	05-10-94	0.0191	05-07-03	0.0299	04-04-12	0.2217
06-01-86	0.0005	06-10-94	0.0129	06-07-03	0.0202	05-04-12	0.2065
07-01-86	0.0005	07-10-94	0.0090	07-07-03	0.0141	06-04-12	0.1211

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
08-01-86	0.0005	08-10-94	0.0064	08-07-03	0.0100	07-04-12	0.0745
09-01-86	0.0005	09-10-94	0.0046	09-07-03	0.0340	08-04-12	0.1281
10-01-86	0.0005	10-10-94	0.0251	10-07-03	0.0500	09-04-12	0.1419
11-01-86	0.0017	11-10-94	0.1135	11-07-03	0.0444	10-04-12	0.0771
12-01-86	0.0031	12-10-94	0.1261	12-07-03	0.0388	11-04-12	0.0511
13-01-86	0.0035	13-10-94	0.0705	13-07-03	0.0360	12-04-12	0.0357
14-01-86	0.0037	14-10-94	0.0424	14-07-03	0.0735	13-04-12	0.0229
15-01-86	0.0027	15-10-94	0.0269	15-07-03	0.0806	14-04-12	0.0152
16-01-86	0.0021	16-10-94	0.0177	16-07-03	0.0550	15-04-12	0.0104
17-01-86	0.0016	17-10-94	0.0120	17-07-03	0.0394	16-04-12	0.0094
18-01-86	0.0013	18-10-94	0.0362	18-07-03	0.0260	17-04-12	0.1484
19-01-86	0.0011	19-10-94	0.0599	19-07-03	0.0251	18-04-12	0.2220
20-01-86	0.0009	20-10-94	0.0586	20-07-03	0.0233	19-04-12	0.1169
21-01-86	0.0008	21-10-94	0.0911	21-07-03	0.0446	20-04-12	0.0692
22-01-86	0.0211	22-10-94	0.0881	22-07-03	0.0554	21-04-12	0.0416
23-01-86	0.0404	23-10-94	0.0516	23-07-03	0.0353	22-04-12	0.0264
24-01-86	0.0256	24-10-94	0.0321	24-07-03	0.0235	23-04-12	0.0174
25-01-86	0.0168	25-10-94	0.0208	25-07-03	0.0161	24-04-12	0.0118
26-01-86	0.0148	26-10-94	0.0140	26-07-03	0.0174	25-04-12	0.3091
27-01-86	0.0129	27-10-94	0.0097	27-07-03	0.0174	26-04-12	0.4408
28-01-86	0.0089	28-10-94	0.0068	28-07-03	0.0490	27-04-12	0.1940
29-01-86	0.0189	29-10-94	0.0049	29-07-03	0.0672	28-04-12	0.1005
30-01-86	0.0249	30-10-94	0.0469	30-07-03	0.0419	29-04-12	0.0579
31-01-86	0.0164	31-10-94	0.1497	31-07-03	0.0274	30-04-12	0.1210
01-02-86	0.0111	01-11-94	0.1395	01-08-03	0.0186	01-05-12	0.1432
02-02-86	0.0077	02-11-94	0.0763	02-08-03	0.0129	02-05-12	0.0790
03-02-86	0.0054	03-11-94	0.1555	03-08-03	0.0092	03-05-12	0.0475

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
04-02-86	0.0049	04-11-94	0.1802	04-08-03	0.0067	04-05-12	0.0302
05-02-86	0.0057	05-11-94	0.0946	05-08-03	0.0050	05-05-12	0.0200
06-02-86	0.0052	06-11-94	0.0549	06-08-03	0.0038	06-05-12	0.0136
07-02-86	0.0038	07-11-94	0.0339	07-08-03	0.0029	07-05-12	0.0095
08-02-86	0.0028	08-11-94	0.0219	08-08-03	0.0198	08-05-12	0.0068
09-02-86	0.0021	09-11-94	0.0147	09-08-03	0.1339	09-05-12	0.0050
10-02-86	0.0017	10-11-94	0.0480	10-08-03	0.1650	10-05-12	0.0037
11-02-86	0.0013	11-11-94	0.5313	11-08-03	0.0963	11-05-12	0.0028
12-02-86	0.0011	12-11-94	1.3206	12-08-03	0.0616	12-05-12	0.6273
13-02-86	0.0009	13-11-94	0.8642	13-08-03	0.0386	13-05-12	0.8285
14-02-86	0.0008	14-11-94	0.5386	14-08-03	0.0253	14-05-12	0.3096
15-02-86	0.0007	15-11-94	0.3778	15-08-03	0.0172	15-05-12	0.1498
16-02-86	0.0006	16-11-94	0.1726	16-08-03	0.0120	16-05-12	0.7779
17-02-86	0.0006	17-11-94	0.0913	17-08-03	0.0086	17-05-12	0.8273
18-02-86	0.0006	18-11-94	0.0533	18-08-03	0.0062	18-05-12	0.3095
19-02-86	0.0009	19-11-94	0.0331	19-08-03	0.0046	19-05-12	0.1499
20-02-86	0.0024	20-11-94	0.0214	20-08-03	0.0171	20-05-12	0.0824
21-02-86	0.0030	21-11-94	0.0144	21-08-03	0.0295	21-05-12	0.0495
22-02-86	0.0023	22-11-94	0.0099	22-08-03	0.0400	22-05-12	0.0314
23-02-86	0.0018	23-11-94	0.0070	23-08-03	0.0413	23-05-12	0.0208
24-02-86	0.0014	24-11-94	0.0050	24-08-03	0.0269	24-05-12	0.0142
25-02-86	0.0011	25-11-94	0.0037	25-08-03	0.0181	25-05-12	0.0100
26-02-86	0.0010	26-11-94	0.0135	26-08-03	0.0126	26-05-12	0.0071
27-02-86	0.0017	27-11-94	1.1253	27-08-03	0.0089	27-05-12	0.0052
28-02-86	0.0062	28-11-94	1.2188	28-08-03	0.0065	28-05-12	0.0039
01-03-86	0.0084	29-11-94	0.3952	29-08-03	0.0059	29-05-12	0.0030
02-03-86	0.0059	30-11-94	0.1788	30-08-03	0.0053	30-05-12	0.0023

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
03-03-86	0.0043	01-12-94	0.0940	31-08-03	0.0047	31-05-12	0.0018
04-03-86	0.0031	02-12-94	0.0545	01-09-03	0.0041	01-06-12	0.0015
05-03-86	0.0024	03-12-94	0.0336	02-09-03	0.0031	02-06-12	0.0115
06-03-86	0.0018	04-12-94	0.0349	03-09-03	0.0024	03-06-12	0.0207
07-03-86	0.0073	05-12-94	0.0515	04-09-03	0.0344	04-06-12	0.0143
08-03-86	0.0118	06-12-94	0.0466	05-09-03	0.0609	05-06-12	0.0101
09-03-86	0.0420	07-12-94	0.0422	06-09-03	0.0378	06-06-12	0.0223
10-03-86	0.0602	08-12-94	0.7403	07-09-03	0.0538	07-06-12	0.0299
11-03-86	0.0376	09-12-94	1.4634	08-09-03	0.0590	08-06-12	0.0201
12-03-86	0.0247	10-12-94	1.2481	09-09-03	0.0367	09-06-12	0.0139
13-03-86	0.0162	11-12-94	0.6628	10-09-03	0.0239	10-06-12	0.0099
14-03-86	0.0109	12-12-94	0.2985	11-09-03	0.0161	11-06-12	0.0072
15-03-86	0.0076	13-12-94	0.2550	12-09-03	0.0112	12-06-12	0.0053
16-03-86	0.0054	14-12-94	0.5291	13-09-03	0.0125	13-06-12	0.0040
17-03-86	0.0198	15-12-94	0.4679	14-09-03	0.0128	14-06-12	0.0031
18-03-86	0.0299	16-12-94	0.2028	15-09-03	0.0090	15-06-12	0.0024
19-03-86	0.0193	17-12-94	0.1041	16-09-03	0.0072	16-06-12	0.0019
20-03-86	0.0208	18-12-94	0.0596	17-09-03	0.0286	17-06-12	0.0015
21-03-86	0.1103	19-12-94	0.0365	18-09-03	0.1058	18-06-12	0.0013
22-03-86	0.1456	20-12-94	0.0234	19-09-03	0.1143	19-06-12	0.0011
23-03-86	0.0782	21-12-94	0.0331	20-09-03	0.0655	20-06-12	0.0009
24-03-86	0.0496	22-12-94	0.0369	21-09-03	0.0403	21-06-12	0.0008
25-03-86	0.0333	23-12-94	0.0236	22-09-03	0.0260	22-06-12	0.0381
26-03-86	0.0213	24-12-94	0.0157	23-09-03	0.0174	23-06-12	0.1341
27-03-86	0.1214	25-12-94	0.0107	24-09-03	0.0120	24-06-12	0.1313
28-03-86	0.1858	26-12-94	0.0075	25-09-03	0.0084	25-06-12	0.0800
29-03-86	0.1060	27-12-94	0.0054	26-09-03	0.0061	26-06-12	0.0488

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
30-03-86	0.0600	28-12-94	0.0039	27-09-03	0.0045	27-06-12	0.0806
31-03-86	0.0364	29-12-94	0.0029	28-09-03	0.0051	28-06-12	0.0917
01-04-86	0.0233	30-12-94	0.0022	29-09-03	0.0054	29-06-12	0.0550
02-04-86	0.0155	31-12-94	0.0017	30-09-03	0.0153	30-06-12	0.0349
03-04-86	0.0106	01-01-95	0.0014	01-10-03	0.0221	01-07-12	0.0233
04-04-86	0.1072	02-01-95	0.0187	02-10-03	0.0147	02-07-12	0.0160
05-04-86	0.1643	03-01-95	0.0363	03-10-03	0.0287	03-07-12	0.0114
06-04-86	0.1289	04-01-95	0.0247	04-10-03	0.0362	04-07-12	0.0082
07-04-86	0.1569	05-01-95	0.0163	05-10-03	0.0232	05-07-12	0.0061
08-04-86	0.2713	06-01-95	0.0110	06-10-03	0.0154	06-07-12	0.0046
09-04-86	0.4525	07-01-95	0.0077	07-10-03	0.0145	07-07-12	0.0035
10-04-86	0.3445	08-01-95	0.0054	08-10-03	0.0132	08-07-12	0.0027
11-04-86	0.2425	09-01-95	0.0040	09-10-03	0.0091	09-07-12	0.0021
12-04-86	0.2582	10-01-95	0.0029	10-10-03	0.0064	10-07-12	0.0168
13-04-86	0.1831	11-01-95	0.0022	11-10-03	0.0063	11-07-12	0.0296
14-04-86	0.1256	12-01-95	0.0017	12-10-03	0.0059	12-07-12	0.0200
15-04-86	0.0917	13-01-95	0.0014	13-10-03	0.0043	13-07-12	0.0139
16-04-86	0.2854	14-01-95	0.0011	14-10-03	0.0032	14-07-12	0.0521
17-04-86	0.3368	15-01-95	0.0009	15-10-03	0.0024	15-07-12	0.0757
18-04-86	0.2890	16-01-95	0.0009	16-10-03	0.0019	16-07-12	0.0467
19-04-86	0.2375	17-01-95	0.0008	17-10-03	0.0015	17-07-12	0.0303
20-04-86	0.1522	18-01-95	0.0007	18-10-03	0.0012	18-07-12	0.0510
21-04-86	0.1062	19-01-95	0.0006	19-10-03	0.0010	19-07-12	0.0601
22-04-86	0.0610	20-01-95	0.0006	20-10-03	0.0011	20-07-12	0.0380
23-04-86	0.0596	21-01-95	0.0006	21-10-03	0.0248	21-07-12	0.0252
24-04-86	0.3015	22-01-95	0.0059	22-10-03	0.0452	22-07-12	0.0172
25-04-86	0.3555	23-01-95	0.0116	23-10-03	0.0306	23-07-12	0.0121

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
26-04-86	0.1653	24-01-95	0.0080	24-10-03	0.0215	24-07-12	0.0385
27-04-86	0.4068	25-01-95	0.0057	25-10-03	0.0628	25-07-12	0.0552
28-04-86	0.4721	26-01-95	0.0041	26-10-03	0.0841	26-07-12	0.0814
29-04-86	0.2619	27-01-95	0.0030	27-10-03	0.0494	27-07-12	0.0890
30-04-86	0.2349	28-01-95	0.0023	28-10-03	0.0307	28-07-12	0.0568
01-05-86	0.1801	29-01-95	0.0018	29-10-03	0.0199	29-07-12	0.0384
02-05-86	0.1781	30-01-95	0.0014	30-10-03	0.0566	30-07-12	0.0253
03-05-86	0.1601	31-01-95	0.0012	31-10-03	0.1604	31-07-12	0.0173
04-05-86	0.0872	01-02-95	0.0010	01-11-03	0.1870	01-08-12	0.0121
05-05-86	0.0521	02-02-95	0.0008	02-11-03	0.7833	02-08-12	0.0087
06-05-86	0.0330	03-02-95	0.0007	03-11-03	0.8302	03-08-12	0.0151
07-05-86	0.0218	04-02-95	0.0007	04-11-03	0.3616	04-08-12	0.0189
08-05-86	0.0148	05-02-95	0.0006	05-11-03	0.1860	05-08-12	0.0132
09-05-86	0.0104	06-02-95	0.0006	06-11-03	0.0977	06-08-12	0.0094
10-05-86	0.0075	07-02-95	0.0005	07-11-03	0.0559	07-08-12	0.0068
11-05-86	0.0055	08-02-95	0.0005	08-11-03	0.0341	08-08-12	0.0051
12-05-86	0.0560	09-02-95	0.0005	09-11-03	0.0296	09-08-12	0.0038
13-05-86	0.3617	10-02-95	0.0015	10-11-03	0.0254	10-08-12	0.0250
14-05-86	0.3857	11-02-95	0.0055	11-11-03	0.0166	11-08-12	0.0448
15-05-86	0.1786	12-02-95	0.0254	12-11-03	0.0235	12-08-12	0.0336
16-05-86	0.0958	13-02-95	0.0369	13-11-03	0.0265	13-08-12	0.0242
17-05-86	0.0567	14-02-95	0.0249	14-11-03	0.0172	14-08-12	0.0188
18-05-86	0.0357	15-02-95	0.0178	15-11-03	0.0116	15-08-12	0.0149
19-05-86	0.0234	16-02-95	0.0131	16-11-03	0.0080	16-08-12	0.0105
20-05-86	0.0159	17-02-95	0.0090	17-11-03	0.0057	17-08-12	0.0076
21-05-86	0.0111	18-02-95	0.0063	18-11-03	0.0041	18-08-12	0.0056
22-05-86	0.0080	19-02-95	0.0045	19-11-03	0.0038	19-08-12	0.0789

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
23-05-86	0.0058	20-02-95	0.0033	20-11-03	0.0096	20-08-12	0.1484
24-05-86	0.0043	21-02-95	0.0025	21-11-03	0.0128	21-08-12	0.1092
25-05-86	0.0033	22-02-95	0.0019	22-11-03	0.0088	22-08-12	0.0737
26-05-86	0.0025	23-02-95	0.0017	23-11-03	0.0062	23-08-12	0.0453
27-05-86	0.0020	24-02-95	0.0015	24-11-03	0.0872	24-08-12	0.0293
28-05-86	0.0016	25-02-95	0.0012	25-11-03	0.3841	25-08-12	0.0211
29-05-86	2.5360	26-02-95	0.0010	26-11-03	0.3903	26-08-12	0.0157
30-05-86	2.2804	27-02-95	0.0009	27-11-03	0.2210	27-08-12	0.0110
31-05-86	0.5847	28-02-95	0.0021	28-11-03	0.1284	28-08-12	0.0079
01-06-86	0.5095	01-03-95	0.0032	29-11-03	0.0704	29-08-12	0.0058
02-06-86	0.4301	02-03-95	0.0117	30-11-03	0.0419	30-08-12	0.0096
03-06-86	0.2092	03-03-95	0.0884	01-12-03	0.0262	31-08-12	0.0119
04-06-86	0.1103	04-03-95	0.1883	02-12-03	0.0501	01-09-12	0.0229
05-06-86	0.0648	05-03-95	0.2205	03-12-03	0.0606	02-09-12	0.0290
06-06-86	0.0406	06-03-95	0.1614	04-12-03	0.0679	03-09-12	0.0192
07-06-86	0.0387	07-03-95	0.0851	05-12-03	0.0659	04-09-12	0.0131
08-06-86	0.0397	08-03-95	0.0493	06-12-03	0.0394	05-09-12	0.0092
09-06-86	0.0295	09-03-95	0.0304	07-12-03	0.0248	06-09-12	0.0066
10-06-86	0.0199	10-03-95	0.0195	08-12-03	0.0162	07-09-12	0.0117
11-06-86	0.0139	11-03-95	0.0130	09-12-03	0.0109	08-09-12	0.0148
12-06-86	0.0099	12-03-95	0.0089	10-12-03	0.0155	09-09-12	0.0103
13-06-86	0.0072	13-03-95	0.0062	11-12-03	0.0198	10-09-12	0.0121
14-06-86	0.0053	14-03-95	0.0044	12-12-03	0.0148	11-09-12	0.0615
15-06-86	0.0040	15-03-95	0.0082	13-12-03	0.0100	12-09-12	0.0973
16-06-86	0.0031	16-03-95	0.0106	14-12-03	0.0070	13-09-12	0.0656
17-06-86	0.0024	17-03-95	0.0073	15-12-03	0.0050	14-09-12	0.0402
18-06-86	0.0019	18-03-95	0.0052	16-12-03	0.0036	15-09-12	0.0258

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
19-06-86	0.0016	19-03-95	0.0038	17-12-03	0.0027	16-09-12	0.0172
20-06-86	0.0013	20-03-95	0.0048	18-12-03	0.0020	17-09-12	0.0118
21-06-86	0.0011	21-03-95	0.0054	19-12-03	0.0016	18-09-12	0.0278
22-06-86	0.0010	22-03-95	0.0392	20-12-03	0.0013	19-09-12	0.0374
23-06-86	0.0020	23-03-95	0.1110	21-12-03	0.0327	20-09-12	0.0242
24-06-86	0.0119	24-03-95	0.0994	22-12-03	0.1060	21-09-12	0.0162
25-06-86	0.0182	25-03-95	0.0567	23-12-03	0.0958	22-09-12	0.0112
26-06-86	0.0127	26-03-95	0.0435	24-12-03	0.0547	23-09-12	0.0079
27-06-86	0.0091	27-03-95	0.0809	25-12-03	0.0334	24-09-12	0.0057
28-06-86	0.0067	28-03-95	0.0868	26-12-03	0.0213	25-09-12	0.0042
29-06-86	0.0050	29-03-95	0.1428	27-12-03	0.0141	26-09-12	0.0031
30-06-86	0.0072	30-03-95	0.1564	28-12-03	0.0096	27-09-12	0.0024
01-07-86	0.0086	31-03-95	0.0831	29-12-03	0.0067	28-09-12	0.0019
02-07-86	0.0064	01-04-95	0.0486	30-12-03	0.0047	29-09-12	0.0089
03-07-86	0.0048	02-04-95	0.0303	31-12-03	0.0035	30-09-12	0.0148
04-07-86	0.0037	03-04-95	0.0197	01-01-04	0.0026	01-10-12	0.0396
05-07-86	0.0029	04-04-95	0.0132	02-01-04	0.0020	02-10-12	0.0536
06-07-86	0.0206	05-04-95	0.0091	03-01-04	0.0015	03-10-12	0.0332
07-07-86	0.0357	06-04-95	0.0064	04-01-04	0.0012	04-10-12	0.0215
08-07-86	0.0239	07-04-95	0.0046	05-01-04	0.0010	05-10-12	0.0144
09-07-86	0.0165	08-04-95	0.0034	06-01-04	0.0009	06-10-12	0.0099
10-07-86	0.0183	09-04-95	0.0026	07-01-04	0.0008	07-10-12	0.0070
11-07-86	0.0186	10-04-95	0.0020	08-01-04	0.0007	08-10-12	0.0050
12-07-86	0.0131	11-04-95	0.0016	09-01-04	0.0006	09-10-12	0.0039
13-07-86	0.0094	12-04-95	0.0013	10-01-04	0.0006	10-10-12	0.0908
14-07-86	0.0069	13-04-95	0.0011	11-01-04	0.0006	11-10-12	0.3348
15-07-86	0.0085	14-04-95	0.0009	12-01-04	0.0005	12-10-12	0.4073

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
16-07-86	0.0157	15-04-95	0.0008	13-01-04	0.0008	13-10-12	0.3106
17-07-86	0.0426	16-04-95	0.0007	14-01-04	0.1027	14-10-12	0.1849
18-07-86	0.0514	17-04-95	0.0006	15-01-04	0.3014	15-10-12	0.0976
19-07-86	0.0332	18-04-95	0.0006	16-01-04	1.1007	16-10-12	0.0563
20-07-86	0.0223	19-04-95	0.0006	17-01-04	0.9529	17-10-12	0.0347
21-07-86	0.0155	20-04-95	0.0005	18-01-04	0.3315	18-10-12	0.0223
22-07-86	0.0172	21-04-95	0.0005	19-01-04	0.1536	19-10-12	0.0149
23-07-86	0.0174	22-04-95	0.0005	20-01-04	0.0815	20-10-12	0.0303
24-07-86	0.0123	23-04-95	0.0005	21-01-04	0.0475	21-10-12	0.0386
25-07-86	0.0089	24-04-95	0.0005	22-01-04	0.0293	22-10-12	0.0246
26-07-86	0.0065	25-04-95	0.2947	23-01-04	0.0189	23-10-12	0.0163
27-07-86	0.0049	26-04-95	0.4615	24-01-04	0.1373	24-10-12	0.0111
28-07-86	0.0216	27-04-95	0.2658	25-01-04	0.1962	25-10-12	0.0078
29-07-86	0.0343	28-04-95	0.1767	26-01-04	0.0999	26-10-12	0.0056
30-07-86	0.0665	29-04-95	0.3897	27-01-04	0.0567	27-10-12	0.0041
31-07-86	0.0809	30-04-95	1.6939	28-01-04	0.0373	28-10-12	0.0030
01-08-86	0.0496	01-05-95	1.2767	29-01-04	0.0256	29-10-12	0.0023
02-08-86	0.0320	02-05-95	0.4116	30-01-04	0.3348	30-10-12	0.0046
03-08-86	0.1932	03-05-95	0.1868	31-01-04	0.4487	31-10-12	0.0063
04-08-86	0.2689	04-05-95	0.0989	01-02-04	0.1986	01-11-12	0.0046
05-08-86	0.1353	05-05-95	0.0579	02-02-04	0.1050	02-11-12	0.2557
06-08-86	0.0772	06-05-95	0.0361	03-02-04	0.0749	03-11-12	0.5561
07-08-86	0.0475	07-05-95	0.0236	04-02-04	0.0565	04-11-12	0.3614
08-08-86	0.0307	08-05-95	0.0159	05-02-04	0.0600	05-11-12	0.1865
09-08-86	0.0207	09-05-95	0.0111	06-02-04	0.0560	06-11-12	0.1015
10-08-86	0.0143	10-05-95	0.0079	07-02-04	0.0338	07-11-12	0.0582
11-08-86	0.0102	11-05-95	0.0057	08-02-04	0.0214	08-11-12	0.0571

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
12-08-86	0.0074	12-05-95	0.0042	09-02-04	0.0140	09-11-12	0.0617
13-08-86	0.0055	13-05-95	0.0032	10-02-04	0.0095	10-11-12	0.1045
14-08-86	0.0041	14-05-95	0.0736	11-02-04	0.0066	11-11-12	0.1092
15-08-86	0.0035	15-05-95	0.2499	12-02-04	0.0046	12-11-12	0.0620
16-08-86	0.0034	16-05-95	0.8690	13-02-04	0.0034	13-11-12	0.0377
17-08-86	0.0030	17-05-95	0.7728	14-02-04	0.0025	14-11-12	0.0240
18-08-86	0.0024	18-05-95	0.2957	15-02-04	0.0019	15-11-12	0.0191
19-08-86	0.0019	19-05-95	0.1448	16-02-04	0.0015	16-11-12	0.0184
20-08-86	0.0015	20-05-95	0.0802	17-02-04	0.0012	17-11-12	0.0463
21-08-86	0.0013	21-05-95	0.0484	18-02-04	0.0010	18-11-12	0.0580
22-08-86	0.0011	22-05-95	0.0309	19-02-04	0.0114	19-11-12	0.0385
23-08-86	0.0828	23-05-95	0.0205	20-02-04	0.0211	20-11-12	0.0267
24-08-86	0.1493	24-05-95	0.0140	21-02-04	0.0325	21-11-12	0.0175
25-08-86	0.0832	25-05-95	0.0099	22-02-04	0.0875	22-11-12	0.8676
26-08-86	0.0603	26-05-95	0.0071	23-02-04	0.1174	23-11-12	1.4683
27-08-86	0.0454	27-05-95	0.4491	24-02-04	0.1018	24-11-12	0.7231
28-08-86	0.0294	28-05-95	2.6288	25-02-04	0.0707	25-11-12	0.2858
29-08-86	0.0198	29-05-95	1.7468	26-02-04	0.0416	26-11-12	0.4567
30-08-86	0.0137	30-05-95	0.5009	27-02-04	0.0258	27-11-12	0.4752
31-08-86	0.0097	31-05-95	0.2176	28-02-04	0.0167	28-11-12	0.2277
01-09-86	0.0070	01-06-95	0.1130	29-02-04	0.0111	29-11-12	0.1144
02-09-86	0.0052	02-06-95	0.1037	01-03-04	0.0076	30-11-12	0.0682
03-09-86	0.0039	03-06-95	0.0905	02-03-04	0.0054	01-12-12	0.0435
04-09-86	0.0233	04-06-95	0.0542	03-03-04	0.0038	02-12-12	0.0272
05-09-86	0.0386	05-06-95	0.0344	04-03-04	0.0028	03-12-12	0.0177
06-09-86	0.0252	06-06-95	0.0228	05-03-04	0.0021	04-12-12	0.0119
07-09-86	0.0170	07-06-95	0.0156	06-03-04	0.0016	05-12-12	0.0082

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
08-09-86	0.0118	08-06-95	0.0168	07-03-04	0.0013	06-12-12	0.0058
09-09-86	0.0084	09-06-95	0.0168	08-03-04	0.0011	07-12-12	0.0423
10-09-86	0.0388	10-06-95	0.0117	09-03-04	0.0012	08-12-12	0.0804
11-09-86	0.0594	11-06-95	0.0084	10-03-04	0.0012	09-12-12	0.1653
12-09-86	0.0371	12-06-95	0.0061	11-03-04	0.0010	10-12-12	0.1798
13-09-86	0.0652	13-06-95	0.0046	12-03-04	0.0008	11-12-12	0.0933
14-09-86	0.0766	14-06-95	0.0035	13-03-04	0.0007	12-12-12	0.0537
15-09-86	0.0465	15-06-95	0.0121	14-03-04	0.0007	13-12-12	0.0328
16-09-86	0.0297	16-06-95	0.0189	15-03-04	0.0006	14-12-12	0.0229
17-09-86	0.0271	17-06-95	0.0175	16-03-04	0.0006	15-12-12	0.0166
18-09-86	0.0242	18-06-95	0.0158	17-03-04	0.0005	16-12-12	0.0112
19-09-86	0.0163	19-06-95	0.0111	18-03-04	0.0202	17-12-12	0.0077
20-09-86	0.0114	20-06-95	0.0080	19-03-04	0.0721	18-12-12	0.0091
21-09-86	0.0106	21-06-95	0.0059	20-03-04	0.0684	19-12-12	0.0095
22-09-86	0.0097	22-06-95	0.0044	21-03-04	0.0439	20-12-12	0.0066
23-09-86	0.0171	23-06-95	0.0033	22-03-04	0.0338	21-12-12	0.0061
24-09-86	0.0215	24-06-95	0.0107	23-03-04	0.0244	22-12-12	0.0056
25-09-86	0.0146	25-06-95	0.0164	24-03-04	0.0461	23-12-12	0.0040
26-09-86	0.0102	26-06-95	0.0115	25-03-04	0.0557	24-12-12	0.0030
27-09-86	0.0073	27-06-95	0.0118	26-03-04	0.0337	25-12-12	0.0023
28-09-86	0.0053	28-06-95	0.0115	27-03-04	0.0297	26-12-12	0.0017
29-09-86	0.0040	29-06-95	0.0083	28-03-04	0.0490	27-12-12	0.0801
30-09-86	0.0080	30-06-95	0.0061	29-03-04	0.0495	28-12-12	0.3576
01-10-86	0.0108	01-07-95	0.0045	30-03-04	0.0303	29-12-12	0.7852
02-10-86	0.0076	02-07-95	0.0035	31-03-04	0.0194	30-12-12	0.5959
03-10-86	0.0054	03-07-95	0.0027	01-04-04	0.0465	31-12-12	0.2403
04-10-86	0.0040	04-07-95	0.0069	02-04-04	0.2623	01-01-13	0.1186

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
05-10-86	0.0030	05-07-95	0.0101	03-04-04	0.2988	02-01-13	0.0662
06-10-86	0.0023	06-07-95	0.0205	04-04-04	0.1824	03-01-13	0.0398
07-10-86	0.0018	07-07-95	0.0270	05-04-04	0.1934	04-01-13	0.0251
08-10-86	0.0014	08-07-95	0.0184	06-04-04	0.1526	05-01-13	0.0165
09-10-86	0.0012	09-07-95	0.0129	07-04-04	0.0821	06-01-13	0.0211
10-10-86	0.0010	10-07-95	0.0092	08-04-04	0.0915	07-01-13	0.0261
11-10-86	0.0009	11-07-95	0.0067	09-04-04	0.0878	08-01-13	0.0197
12-10-86	0.0008	12-07-95	0.0050	10-04-04	0.3820	09-01-13	0.0132
13-10-86	0.0007	13-07-95	0.0321	11-04-04	1.2464	10-01-13	0.0090
14-10-86	0.0006	14-07-95	0.0528	12-04-04	0.9050	11-01-13	0.0063
15-10-86	0.0006	15-07-95	0.0338	13-04-04	0.3240	12-01-13	0.0070
16-10-86	0.0006	16-07-95	0.0226	14-04-04	0.1529	13-01-13	0.0071
17-10-86	0.0007	17-07-95	0.0156	15-04-04	0.0824	14-01-13	0.0051
18-10-86	0.0177	18-07-95	0.0110	16-04-04	0.0486	15-01-13	0.0037
19-10-86	0.0337	19-07-95	0.0079	17-04-04	0.0304	16-01-13	0.0028
20-10-86	0.0218	20-07-95	0.0224	18-04-04	0.0198	17-01-13	0.0021
21-10-86	0.0146	21-07-95	0.1427	19-04-04	0.0133	18-01-13	0.0016
22-10-86	0.0101	22-07-95	0.1796	20-04-04	0.2523	19-01-13	0.0013
23-10-86	0.0071	23-07-95	0.1203	21-04-04	0.3665	20-01-13	0.0011
24-10-86	0.0051	24-07-95	0.0865	22-04-04	0.1686	21-01-13	0.0009
25-10-86	0.0038	25-07-95	0.0630	23-04-04	0.0896	22-01-13	0.0008
26-10-86	0.0028	26-07-95	0.1092	24-04-04	0.0524	23-01-13	0.0007
27-10-86	0.0022	27-07-95	0.1151	25-04-04	0.0326	24-01-13	0.0013
28-10-86	0.0037	28-07-95	0.0703	26-04-04	0.0212	25-01-13	0.0018
29-10-86	0.0804	29-07-95	0.0460	27-04-04	0.0142	26-01-13	0.0015
30-10-86	0.4395	30-07-95	0.0298	28-04-04	0.0098	27-01-13	0.0012
31-10-86	0.7089	31-07-95	0.0200	29-04-04	0.0069	28-01-13	0.0010

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
01-11-86	0.4554	01-08-95	0.0139	30-04-04	0.0050	29-01-13	0.0008
02-11-86	0.1982	02-08-95	0.0099	01-05-04	0.0037	30-01-13	0.0054
03-11-86	0.1019	03-08-95	0.0145	02-05-04	0.0028	31-01-13	0.0098
04-11-86	0.0584	04-08-95	0.1508	03-05-04	0.0217	01-02-13	0.0071
05-11-86	0.0357	05-08-95	0.3103	04-05-04	0.0372	02-02-13	0.0201
06-11-86	0.0229	06-08-95	0.2671	05-05-04	0.0241	03-02-13	0.0677
07-11-86	0.0152	07-08-95	0.2135	06-05-04	0.0224	04-02-13	0.0742
08-11-86	0.0104	08-08-95	0.1466	07-05-04	0.0203	05-02-13	0.0437
09-11-86	0.0434	09-08-95	0.0819	08-05-04	0.0138	06-02-13	0.0272
10-11-86	0.0641	10-08-95	0.0498	09-05-04	0.0097	07-02-13	0.0177
11-11-86	0.0388	11-08-95	0.0320	10-05-04	0.0069	08-02-13	0.0118
12-11-86	0.0247	12-08-95	0.0244	11-05-04	0.0050	09-02-13	0.0081
13-11-86	0.0163	13-08-95	0.0426	12-05-04	0.0038	10-02-13	0.0057
14-11-86	0.0111	14-08-95	0.0485	13-05-04	0.0029	11-02-13	0.0041
15-11-86	0.0705	15-08-95	0.0312	14-05-04	0.0031	12-02-13	0.0030
16-11-86	0.1066	16-08-95	0.0233	15-05-04	0.0065	13-02-13	0.0023
17-11-86	0.0607	17-08-95	0.0179	16-05-04	0.0080	14-02-13	0.0018
18-11-86	0.0370	18-08-95	0.0125	17-05-04	0.0058	15-02-13	0.0014
19-11-86	0.0236	19-08-95	0.3102	18-05-04	0.0317	16-02-13	0.0011
20-11-86	0.0157	20-08-95	0.5170	19-05-04	0.0505	17-02-13	0.0010
21-11-86	0.0400	21-08-95	0.3413	20-05-04	0.0319	18-02-13	0.0008
22-11-86	0.0829	22-08-95	0.2162	21-05-04	0.0211	19-02-13	0.0007
23-11-86	0.1554	23-08-95	0.1151	22-05-04	0.0143	20-02-13	0.0007
24-11-86	0.2434	24-08-95	0.0668	23-05-04	0.0436	21-02-13	0.0006
25-11-86	0.2760	25-08-95	0.0415	24-05-04	0.0609	22-02-13	0.0006
26-11-86	0.1967	26-08-95	0.0286	25-05-04	0.0378	23-02-13	0.0005
27-11-86	0.1508	27-08-95	0.0276	26-05-04	0.0246	24-02-13	0.0005

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
28-11-86	0.3828	28-08-95	0.0245	27-05-04	0.1177	25-02-13	0.0005
29-11-86	0.4236	29-08-95	0.0166	28-05-04	0.1646	26-02-13	0.0005
30-11-86	0.6601	30-08-95	0.0391	29-05-04	0.0892	27-02-13	0.0005
01-12-86	0.5725	31-08-95	0.0518	30-05-04	0.0530	28-02-13	0.0005
02-12-86	0.2354	01-09-95	0.0329	31-05-04	0.0334	01-03-13	0.0005
03-12-86	0.1176	02-09-95	0.0217	01-06-04	0.0301	02-03-13	0.0005
04-12-86	0.0662	03-09-95	0.0184	02-06-04	0.0267	03-03-13	0.0005
05-12-86	0.0400	04-09-95	0.0156	03-06-04	0.0181	04-03-13	0.0005
06-12-86	0.2814	05-09-95	0.0229	04-06-04	0.0354	05-03-13	0.0435
07-12-86	1.2694	06-09-95	0.0265	05-06-04	0.0447	06-03-13	0.0876
08-12-86	0.9837	07-09-95	0.0178	06-06-04	0.0290	07-03-13	0.0531
09-12-86	0.3426	08-09-95	0.0493	07-06-04	0.0464	08-03-13	0.0805
10-12-86	0.4144	09-09-95	0.0670	08-06-04	0.0594	09-03-13	0.0875
11-12-86	0.3746	10-09-95	0.0412	09-06-04	0.0415	10-03-13	0.1404
12-12-86	0.1711	11-09-95	0.0266	10-06-04	0.0591	11-03-13	0.1798
13-12-86	0.0905	12-09-95	0.0316	11-06-04	0.0779	12-03-13	0.1121
14-12-86	0.0684	13-09-95	0.0327	12-06-04	0.0574	13-03-13	0.0625
15-12-86	0.0531	14-09-95	0.0516	13-06-04	0.0364	14-03-13	0.2662
16-12-86	0.0328	15-09-95	0.0591	14-06-04	0.0241	15-03-13	0.3617
17-12-86	0.0212	16-09-95	0.0573	15-06-04	0.0165	16-03-13	0.1843
18-12-86	0.0829	17-09-95	0.0523	16-06-04	0.0396	17-03-13	0.1127
19-12-86	0.1347	18-09-95	0.0330	17-06-04	0.0529	18-03-13	0.0756
20-12-86	0.1062	19-09-95	0.0217	18-06-04	0.0338	19-03-13	0.2291
21-12-86	0.1242	20-09-95	0.0147	19-06-04	0.0226	20-03-13	0.6160
22-12-86	0.1171	21-09-95	0.0103	20-06-04	0.0155	21-03-13	0.4786
23-12-86	0.0723	22-09-95	0.0074	21-06-04	0.0110	22-03-13	0.2033
24-12-86	0.1030	23-09-95	0.0054	22-06-04	0.1067	23-03-13	0.1028

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
25-12-86	0.1186	24-09-95	0.0040	23-06-04	0.1653	24-03-13	0.0801
26-12-86	0.0737	25-09-95	0.0030	24-06-04	0.0907	25-03-13	0.0633
27-12-86	0.0440	26-09-95	0.0023	25-06-04	0.0581	26-03-13	0.0379
28-12-86	0.0278	27-09-95	0.0018	26-06-04	0.0394	27-03-13	0.0239
29-12-86	0.0182	28-09-95	0.0015	27-06-04	0.1174	28-03-13	0.0156
30-12-86	0.0123	29-09-95	0.0012	28-06-04	0.2520	29-03-13	0.0105
31-12-86	0.0085	30-09-95	0.0135	29-06-04	0.2038	30-03-13	0.0073
01-01-87	0.0060	01-10-95	0.0249	30-06-04	0.1078	31-03-13	0.0051
02-01-87	0.0044	02-10-95	0.0165	01-07-04	0.0635	01-04-13	0.0559
03-01-87	0.0032	03-10-95	0.0113	02-07-04	0.0685	02-04-13	0.0921
04-01-87	0.1710	04-10-95	0.0080	03-07-04	0.0661	03-04-13	0.0539
05-01-87	0.2932	05-10-95	0.0705	04-07-04	0.0414	04-04-13	0.0336
06-01-87	0.1555	06-10-95	0.1760	05-07-04	0.0272	05-04-13	0.0366
07-01-87	0.0830	07-10-95	0.2812	06-07-04	0.0185	06-04-13	0.0531
08-01-87	0.0486	08-10-95	0.2418	07-07-04	0.0129	07-04-13	0.0467
09-01-87	0.0301	09-10-95	0.1209	08-07-04	0.0093	08-04-13	0.0295
10-01-87	0.0195	10-10-95	0.0681	09-07-04	0.0068	09-04-13	0.0194
11-01-87	0.0130	11-10-95	0.0413	10-07-04	0.0050	10-04-13	0.0132
12-01-87	0.0090	12-10-95	0.0263	11-07-04	0.0038	11-04-13	0.2722
13-01-87	0.0063	13-10-95	0.0174	12-07-04	0.0030	12-04-13	0.3936
14-01-87	0.0045	14-10-95	0.0136	13-07-04	0.0023	13-04-13	0.2263
15-01-87	0.0033	15-10-95	0.0543	14-07-04	0.0019	14-04-13	0.1492
16-01-87	0.0025	16-10-95	0.0981	15-07-04	0.0109	15-04-13	0.0814
17-01-87	0.0019	17-10-95	0.0729	16-07-04	0.0188	16-04-13	0.0486
18-01-87	0.0015	18-10-95	0.0438	17-07-04	0.0275	17-04-13	0.0306
19-01-87	0.0012	19-10-95	0.0278	18-07-04	0.1306	18-04-13	0.0201
20-01-87	0.0010	20-10-95	0.0183	19-07-04	0.1777	19-04-13	0.3154

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
21-01-87	0.0009	21-10-95	0.0455	20-07-04	0.1063	20-04-13	0.4374
22-01-87	0.0008	22-10-95	0.2233	21-07-04	0.0626	21-04-13	0.1946
23-01-87	0.0007	23-10-95	0.2785	22-07-04	0.0394	22-04-13	0.1018
24-01-87	0.0009	24-10-95	0.1541	23-07-04	0.0338	23-04-13	0.0591
25-01-87	0.0011	25-10-95	0.0833	24-07-04	0.0288	24-04-13	0.0366
26-01-87	0.0009	26-10-95	0.0963	25-07-04	0.0547	25-04-13	0.0237
27-01-87	0.0008	27-10-95	0.2191	26-07-04	0.0669	26-04-13	0.0160
28-01-87	0.0026	28-10-95	0.2117	27-07-04	0.0417	27-04-13	0.0110
29-01-87	0.0041	29-10-95	0.1330	28-07-04	0.0924	28-04-13	0.0078
30-01-87	0.0031	30-10-95	0.1101	29-07-04	0.1136	29-04-13	0.0057
31-01-87	0.0023	31-10-95	0.0765	30-07-04	0.0663	30-04-13	0.0042
01-02-87	0.0018	01-11-95	0.0456	31-07-04	0.0413	01-05-13	0.0031
02-02-87	0.0014	02-11-95	0.0286	01-08-04	0.0270	02-05-13	0.0024
03-02-87	0.0011	03-11-95	0.0187	02-08-04	0.0314	03-05-13	0.0019
04-02-87	0.0010	04-11-95	0.0126	03-08-04	0.0321	04-05-13	0.0015
05-02-87	0.0008	05-11-95	0.0087	04-08-04	0.0215	05-05-13	0.9788
06-02-87	0.0007	06-11-95	0.0062	05-08-04	0.0148	06-05-13	2.7972
07-02-87	0.0007	07-11-95	0.0045	06-08-04	0.0105	07-05-13	1.6573
08-02-87	0.0006	08-11-95	0.0033	07-08-04	0.0076	08-05-13	0.5575
09-02-87	0.0006	09-11-95	0.0025	08-08-04	0.0056	09-05-13	0.2336
10-02-87	0.0005	10-11-95	0.0019	09-08-04	0.0042	10-05-13	0.1184
11-02-87	0.0005	11-11-95	0.0015	10-08-04	0.0214	11-05-13	0.0675
12-02-87	0.0005	12-11-95	0.0012	11-08-04	0.0348	12-05-13	0.0413
13-02-87	0.0005	13-11-95	0.0010	12-08-04	0.0230	13-05-13	0.0265
14-02-87	0.0005	14-11-95	0.0009	13-08-04	0.0158	14-05-13	0.0177
15-02-87	0.0005	15-11-95	0.0008	14-08-04	0.0414	15-05-13	0.0122
16-02-87	0.0005	16-11-95	0.0007	15-08-04	0.0564	16-05-13	0.0086

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
17-02-87	0.0005	17-11-95	0.0006	16-08-04	0.0357	17-05-13	0.0062
18-02-87	0.0005	18-11-95	0.0006	17-08-04	0.0235	18-05-13	0.0045
19-02-87	0.0005	19-11-95	3.2371	18-08-04	0.0161	19-05-13	0.0034
20-02-87	0.0005	20-11-95	2.6593	19-08-04	0.0411	20-05-13	0.0026
21-02-87	0.0005	21-11-95	0.6225	20-08-04	0.0556	21-05-13	0.0020
22-02-87	0.0005	22-11-95	0.2501	21-08-04	0.0461	22-05-13	0.0016
23-02-87	0.0005	23-11-95	0.1234	22-08-04	0.0383	23-05-13	0.0013
24-02-87	0.0005	24-11-95	0.0690	23-08-04	0.0251	24-05-13	0.0011
25-02-87	0.0005	25-11-95	0.0415	24-08-04	0.0170	25-05-13	0.0009
26-02-87	0.0005	26-11-95	0.0263	25-08-04	0.0119	26-05-13	0.0008
27-02-87	0.0192	27-11-95	0.0173	26-08-04	0.0085	27-05-13	0.1685
28-02-87	0.0385	28-11-95	0.1685	27-08-04	0.0062	28-05-13	0.2808
01-03-87	0.0242	29-11-95	0.2428	28-08-04	0.0059	29-05-13	0.1386
02-03-87	0.0157	30-11-95	0.1206	29-08-04	0.0055	30-05-13	0.0770
03-03-87	0.0105	01-12-95	0.2236	30-08-04	0.0041	31-05-13	0.0466
04-03-87	0.0073	02-12-95	0.2428	31-08-04	0.0031	01-06-13	0.0299
05-03-87	0.0051	03-12-95	0.1200	01-09-04	0.0143	02-06-13	0.0201
06-03-87	0.0037	04-12-95	0.0670	02-09-04	0.0233	03-06-13	0.0140
07-03-87	0.0027	05-12-95	0.0403	03-09-04	0.0158	04-06-13	0.0099
08-03-87	0.0021	06-12-95	0.0518	04-09-04	0.0110	05-06-13	0.0072
09-03-87	0.0016	07-12-95	0.0543	05-09-04	0.0078	06-06-13	0.0053
10-03-87	0.0699	08-12-95	0.0334	06-09-04	0.0057	07-06-13	0.0040
11-03-87	0.1215	09-12-95	0.0236	07-09-04	0.0042	08-06-13	0.0031
12-03-87	0.0669	10-12-95	0.0173	08-09-04	0.0032	09-06-13	0.0024
13-03-87	0.0397	11-12-95	0.0117	09-09-04	0.0025	10-06-13	0.0221
14-03-87	0.0248	12-12-95	0.0081	10-09-04	0.0061	11-06-13	0.0391
15-03-87	0.0224	13-12-95	0.0057	11-09-04	0.0089	12-06-13	0.0257

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
16-03-87	0.0559	14-12-95	0.0042	12-09-04	0.0064	13-06-13	0.0175
17-03-87	0.0660	15-12-95	0.0059	13-09-04	0.0047	14-06-13	0.0123
18-03-87	0.0392	16-12-95	0.0068	14-09-04	0.0075	15-06-13	0.0359
19-03-87	0.0245	17-12-95	0.0049	15-09-04	0.0361	16-06-13	0.0507
20-03-87	0.0211	18-12-95	0.0036	16-09-04	0.0499	17-06-13	0.0326
21-03-87	0.0180	19-12-95	0.0059	17-09-04	0.0316	18-06-13	0.0218
22-03-87	0.0120	20-12-95	0.0074	18-09-04	0.0209	19-06-13	0.0150
23-03-87	0.0082	21-12-95	0.0053	19-09-04	0.0142	20-06-13	0.0480
24-03-87	0.0057	22-12-95	0.0039	20-09-04	0.0099	21-06-13	0.0678
25-03-87	0.0041	23-12-95	0.0059	21-09-04	0.0071	22-06-13	0.1046
26-03-87	0.0030	24-12-95	0.0072	22-09-04	0.0052	23-06-13	0.1385
27-03-87	0.0023	25-12-95	0.0051	23-09-04	0.0039	24-06-13	0.0959
28-03-87	0.0017	26-12-95	0.0037	24-09-04	0.0029	25-06-13	0.0573
29-03-87	0.0014	27-12-95	0.0028	25-09-04	0.0023	26-06-13	0.0386
30-03-87	0.0011	28-12-95	0.0021	26-09-04	0.0018	27-06-13	0.1097
31-03-87	0.0009	29-12-95	0.0017	27-09-04	0.0014	28-06-13	0.1387
01-04-87	0.0008	30-12-95	0.0013	28-09-04	0.0012	29-06-13	0.0787
02-04-87	0.0007	31-12-95	0.0011	29-09-04	0.0010	30-06-13	0.0482
03-04-87	0.0007	01-01-96	0.0009	30-09-04	0.0178	01-07-13	0.0311
04-04-87	0.0006	02-01-96	0.0008	01-10-04	0.0424	02-07-13	0.0361
05-04-87	0.1541	03-01-96	0.0007	02-10-04	0.0551	03-07-13	0.0369
06-04-87	0.2589	04-01-96	0.0018	03-10-04	0.0517	04-07-13	0.0245
07-04-87	0.1269	05-01-96	0.0028	04-10-04	0.0326	05-07-13	0.0168
08-04-87	0.0698	06-01-96	0.0022	05-10-04	0.1496	06-07-13	0.0118
09-04-87	0.0745	07-01-96	0.0017	06-10-04	0.4154	07-07-13	0.0085
10-04-87	0.0705	08-01-96	0.0013	07-10-04	0.3511	08-07-13	0.0062
11-04-87	0.0420	09-01-96	0.0011	08-10-04	0.1706	09-07-13	0.0047

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
12-04-87	0.1233	10-01-96	0.0009	09-10-04	0.0915	10-07-13	0.0036
13-04-87	0.1561	11-01-96	0.0029	10-10-04	0.0540	11-07-13	0.0028
14-04-87	0.0833	12-01-96	0.0076	11-10-04	0.0338	12-07-13	0.0072
15-04-87	0.0487	13-01-96	0.0079	12-10-04	0.0715	13-07-13	0.0106
16-04-87	0.0303	14-01-96	0.0056	13-10-04	0.1273	14-07-13	0.0077
17-04-87	0.0196	15-01-96	0.0041	14-10-04	0.4171	15-07-13	0.0057
18-04-87	0.0131	16-01-96	0.0030	15-10-04	0.6216	16-07-13	0.0043
19-04-87	0.0090	17-01-96	0.0023	16-10-04	0.3736	17-07-13	0.0033
20-04-87	0.0064	18-01-96	0.0018	17-10-04	0.2227	18-07-13	0.0025
21-04-87	0.0046	19-01-96	0.0014	18-10-04	0.2955	19-07-13	0.0252
22-04-87	0.0034	20-01-96	0.0011	19-10-04	0.2531	20-07-13	0.0444
23-04-87	0.0702	21-01-96	0.0010	20-10-04	0.1273	21-07-13	0.0289
24-04-87	0.2568	22-01-96	0.0008	21-10-04	0.0724	22-07-13	0.0195
25-04-87	0.4089	23-01-96	0.0007	22-10-04	0.0439	23-07-13	0.0136
26-04-87	0.3067	24-01-96	0.0013	23-10-04	0.1037	24-07-13	0.0097
27-04-87	0.1459	25-01-96	0.0017	24-10-04	0.1274	25-07-13	0.0439
28-04-87	0.0789	26-01-96	0.0013	25-10-04	0.0719	26-07-13	0.0668
29-04-87	0.0467	27-01-96	0.0011	26-10-04	0.0436	27-07-13	0.0416
30-04-87	0.0292	28-01-96	0.0009	27-10-04	0.0279	28-07-13	0.0272
01-05-87	0.0192	29-01-96	0.0008	28-10-04	0.0186	29-07-13	0.0184
02-05-87	0.0131	30-01-96	0.0007	29-10-04	0.0127	30-07-13	0.0445
03-05-87	0.0092	31-01-96	0.0026	30-10-04	0.0509	31-07-13	0.0591
04-05-87	0.5542	01-02-96	0.0044	31-10-04	0.0976	01-08-13	0.0373
05-05-87	1.0947	02-02-96	0.0035	01-11-04	0.0739	02-08-13	0.1040
06-05-87	1.0216	03-02-96	0.0082	02-11-04	0.0441	03-08-13	0.1337
07-05-87	0.6220	04-02-96	0.0111	03-11-04	0.0278	04-08-13	0.0762
08-05-87	1.3338	05-02-96	0.0076	04-11-04	0.8056	05-08-13	0.0468

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
09-05-87	1.2513	06-02-96	0.0135	05-11-04	0.9620	06-08-13	0.0303
10-05-87	0.4728	07-02-96	0.0169	06-11-04	0.3556	07-08-13	0.0445
11-05-87	0.2071	08-02-96	0.0113	07-11-04	0.1693	08-08-13	0.0734
12-05-87	0.1075	09-02-96	0.0077	08-11-04	0.0896	09-08-13	0.0634
13-05-87	0.0622	10-02-96	0.0054	09-11-04	0.0523	10-08-13	0.0397
14-05-87	0.0385	11-02-96	0.0039	10-11-04	0.0350	11-08-13	0.1394
15-05-87	0.0249	12-02-96	0.0029	11-11-04	0.0245	12-08-13	0.1882
16-05-87	0.0168	13-02-96	0.0022	12-11-04	0.0162	13-08-13	0.1045
17-05-87	0.0116	14-02-96	0.0017	13-11-04	0.0110	14-08-13	0.0616
18-05-87	0.0082	15-02-96	0.0013	14-11-04	0.0077	15-08-13	0.0386
19-05-87	0.0059	16-02-96	0.0070	15-11-04	0.0074	16-08-13	0.0254
20-05-87	0.5562	17-02-96	0.0483	16-11-04	0.0070	17-08-13	0.0173
21-05-87	0.7434	18-02-96	0.0942	17-11-04	0.0050	18-08-13	0.0121
22-05-87	0.2871	19-02-96	0.0762	18-11-04	0.0053	19-08-13	0.0430
23-05-87	0.1412	20-02-96	0.0446	19-11-04	0.0053	20-08-13	0.1330
24-05-87	0.0783	21-02-96	0.0276	20-11-04	0.0039	21-08-13	0.1321
25-05-87	0.0473	22-02-96	0.0178	21-11-04	0.0029	22-08-13	0.0962
26-05-87	0.0301	23-02-96	0.0118	22-11-04	0.0022	23-08-13	0.0965
27-05-87	0.0200	24-02-96	0.0081	23-11-04	0.0017	24-08-13	0.0750
28-05-87	0.0137	25-02-96	0.0240	24-11-04	0.0014	25-08-13	0.0460
29-05-87	0.0096	26-02-96	0.0341	25-11-04	0.1045	26-08-13	0.0297
30-05-87	0.0069	27-02-96	0.0307	26-11-04	0.8221	27-08-13	0.0199
31-05-87	0.0051	28-02-96	0.0269	27-11-04	0.7608	28-08-13	0.0263
01-06-87	0.0038	29-02-96	0.0174	28-11-04	0.2923	29-08-13	0.0792
02-06-87	0.0029	01-03-96	0.0116	29-11-04	0.1521	30-08-13	0.0964
03-06-87	0.0023	02-03-96	0.0080	30-11-04	0.0958	31-08-13	0.0602
04-06-87	0.0018	03-03-96	0.0056	01-12-04	0.0612	01-09-13	0.0394

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
05-06-87	0.0015	04-03-96	0.0040	02-12-04	0.0372	02-09-13	0.0456
06-06-87	0.0012	05-03-96	0.0030	03-12-04	0.0237	03-09-13	0.0446
07-06-87	0.0011	06-03-96	0.0022	04-12-04	0.0157	04-09-13	0.0285
08-06-87	0.0009	07-03-96	0.0017	05-12-04	0.0107	05-09-13	0.0189
09-06-87	0.1019	08-03-96	0.0014	06-12-04	0.1762	06-09-13	0.0129
10-06-87	0.1852	09-03-96	0.0292	07-12-04	0.2679	07-09-13	0.0096
11-06-87	0.2012	10-03-96	0.2165	08-12-04	0.1310	08-09-13	0.0076
12-06-87	0.1848	11-03-96	0.4998	09-12-04	0.1761	09-09-13	0.0057
13-06-87	0.0994	12-03-96	0.3857	10-12-04	0.1780	10-09-13	0.0098
14-06-87	0.0590	13-03-96	0.4311	11-12-04	0.1002	11-09-13	0.0328
15-06-87	0.0373	14-03-96	0.3777	12-12-04	0.0623	12-09-13	0.0403
16-06-87	0.0246	15-03-96	0.1702	13-12-04	0.0529	13-09-13	0.0259
17-06-87	0.0168	16-03-96	0.0889	14-12-04	0.0444	14-09-13	0.0173
18-06-87	0.0118	17-03-96	0.0513	15-12-04	0.0279	15-09-13	0.0119
19-06-87	0.0085	18-03-96	0.0314	16-12-04	0.0182	16-09-13	0.0139
20-06-87	0.0062	19-03-96	0.0530	17-12-04	0.0123	17-09-13	0.0165
21-06-87	0.0046	20-03-96	0.0614	18-12-04	0.0085	18-09-13	0.0129
22-06-87	0.0035	21-03-96	0.0370	19-12-04	0.0060	19-09-13	0.0090
23-06-87	0.0027	22-03-96	0.1742	20-12-04	0.0044	20-09-13	0.0064
24-06-87	0.0022	23-03-96	0.2333	21-12-04	0.0032	21-09-13	0.0047
25-06-87	0.0017	24-03-96	0.1155	22-12-04	0.0024	22-09-13	0.0043
26-06-87	0.0014	25-03-96	0.0860	23-12-04	0.0019	23-09-13	0.0060
27-06-87	0.0012	26-03-96	0.0790	24-12-04	0.0015	24-09-13	0.0064
28-06-87	0.0010	27-03-96	0.0992	25-12-04	0.0012	25-09-13	0.0046
29-06-87	0.0009	28-03-96	0.0905	26-12-04	0.0010	26-09-13	0.0035
30-06-87	0.0008	29-03-96	0.0522	27-12-04	0.0009	27-09-13	0.0026
01-07-87	0.0011	30-03-96	0.0320	28-12-04	0.0008	28-09-13	0.0020

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
02-07-87	0.0014	31-03-96	0.0724	29-12-04	0.0007	29-09-13	0.0016
03-07-87	0.0011	01-04-96	0.3360	30-12-04	0.1043	30-09-13	0.4221
04-07-87	0.0010	02-04-96	0.6381	31-12-04	0.1835	01-10-13	1.0920
05-07-87	0.0009	03-04-96	0.5091	01-01-05	0.0953	02-10-13	0.9336
06-07-87	0.0008	04-04-96	0.2674	02-01-05	0.0547	03-10-13	0.4936
07-07-87	0.0007	05-04-96	0.1378	03-01-05	0.0334	04-10-13	0.2636
08-07-87	0.0006	06-04-96	0.0790	04-01-05	0.0214	05-10-13	0.2664
09-07-87	0.0006	07-04-96	0.0647	05-01-05	0.0142	06-10-13	0.3004
10-07-87	0.0006	08-04-96	0.0619	06-01-05	0.0096	07-10-13	0.2128
11-07-87	0.0005	09-04-96	1.0530	07-01-05	0.0067	08-10-13	0.1090
12-07-87	0.0005	10-04-96	1.1127	08-01-05	0.0048	09-10-13	0.0623
13-07-87	0.0056	11-04-96	0.3719	09-01-05	0.0035	10-10-13	0.0382
14-07-87	0.0123	12-04-96	0.1745	10-01-05	0.0026	11-10-13	0.0762
15-07-87	0.0095	13-04-96	0.0950	11-01-05	0.0020	12-10-13	0.0915
16-07-87	0.0069	14-04-96	0.0645	12-01-05	0.0016	13-10-13	0.0647
17-07-87	0.0057	15-04-96	0.0461	13-01-05	0.0013	14-10-13	0.0477
18-07-87	0.0048	16-04-96	0.0290	14-01-05	0.0010	15-10-13	0.0300
19-07-87	0.0068	17-04-96	0.0308	15-01-05	0.0009	16-10-13	0.0197
20-07-87	0.0080	18-04-96	0.0299	16-01-05	0.0008	17-10-13	0.0133
21-07-87	0.0059	19-04-96	0.0195	17-01-05	0.0007	18-10-13	0.0586
22-07-87	0.0045	20-04-96	0.0132	18-01-05	0.0006	19-10-13	0.0855
23-07-87	0.0034	21-04-96	0.0091	19-01-05	0.0006	20-10-13	0.0505
24-07-87	0.0044	22-04-96	0.0065	20-01-05	0.0237	21-10-13	0.0316
25-07-87	0.0186	23-04-96	0.0055	21-01-05	0.0464	22-10-13	0.0206
26-07-87	0.0269	24-04-96	0.0118	22-01-05	0.0288	23-10-13	0.0139
27-07-87	0.0183	25-04-96	0.0151	23-01-05	0.0186	24-10-13	0.0447
28-07-87	0.0128	26-04-96	0.0104	24-01-05	0.0124	25-10-13	0.0628

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
29-07-87	0.0092	27-04-96	0.0122	25-01-05	0.0085	26-10-13	0.1189
30-07-87	0.0198	28-04-96	0.0128	26-01-05	0.0060	27-10-13	0.1766
31-07-87	0.4228	29-04-96	0.0089	27-01-05	0.0043	28-10-13	0.1225
01-08-87	0.5437	30-04-96	0.0064	28-01-05	0.0032	29-10-13	0.0689
02-08-87	0.3791	01-05-96	0.0046	29-01-05	0.0024	30-10-13	0.0417
03-08-87	0.3106	02-05-96	0.0035	30-01-05	0.0018	31-10-13	0.0266
04-08-87	0.1717	03-05-96	0.0027	31-01-05	0.3711	01-11-13	0.0175
05-08-87	0.0934	04-05-96	0.0021	01-02-05	0.5546	02-11-13	0.0118
06-08-87	0.0559	05-05-96	0.0017	02-02-05	0.2394	03-11-13	0.0082
07-08-87	0.0354	06-05-96	0.0013	03-02-05	0.1195	04-11-13	0.0058
08-08-87	0.0594	07-05-96	0.0011	04-02-05	0.0661	05-11-13	0.0816
09-08-87	0.2210	08-05-96	0.0010	05-02-05	0.0394	06-11-13	0.3170
10-08-87	0.2946	09-05-96	0.0008	06-02-05	0.0247	07-11-13	0.3846
11-08-87	0.1900	10-05-96	0.0007	07-02-05	0.0161	08-11-13	0.2375
12-08-87	0.1072	11-05-96	0.0007	08-02-05	0.0108	09-11-13	0.1178
13-08-87	0.0629	12-05-96	0.0006	09-02-05	0.0075	10-11-13	0.0660
14-08-87	0.0859	13-05-96	0.0006	10-02-05	0.0053	11-11-13	0.0397
15-08-87	0.2848	14-05-96	0.0006	11-02-05	0.0038	12-11-13	0.0251
16-08-87	0.2983	15-05-96	0.0005	12-02-05	0.0028	13-11-13	0.0165
17-08-87	0.1469	16-05-96	0.0005	13-02-05	0.0021	14-11-13	0.0112
18-08-87	0.0817	17-05-96	0.0005	14-02-05	0.0016	15-11-13	0.0078
19-08-87	0.0496	18-05-96	1.8470	15-02-05	0.0013	16-11-13	0.0055
20-08-87	0.0437	19-05-96	5.3656	16-02-05	0.0177	17-11-13	0.0040
21-08-87	0.0378	20-05-96	2.6536	17-02-05	0.0323	18-11-13	0.0030
22-08-87	0.0611	21-05-96	0.7104	18-02-05	0.0206	19-11-13	0.0140
23-08-87	0.0701	22-05-96	0.2800	19-02-05	0.0136	20-11-13	0.0227
24-08-87	0.0432	23-05-96	0.1388	20-02-05	0.0092	21-11-13	0.0150

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
25-08-87	0.0280	24-05-96	0.0774	21-02-05	0.0064	22-11-13	0.0102
26-08-87	0.0188	25-05-96	0.0469	22-02-05	0.0046	23-11-13	0.0072
27-08-87	0.0130	26-05-96	0.0300	23-02-05	0.0033	24-11-13	0.1151
28-08-87	0.0092	27-05-96	0.0200	24-02-05	0.0025	25-11-13	0.4049
29-08-87	0.0440	28-05-96	0.0137	25-02-05	0.0019	26-11-13	0.4950
30-08-87	0.0672	29-05-96	0.0097	26-02-05	0.0015	27-11-13	0.6123
31-08-87	0.0416	30-05-96	0.0070	27-02-05	0.0012	28-11-13	0.6053
01-09-87	0.0269	31-05-96	0.0051	28-02-05	0.0010	29-11-13	0.3438
02-09-87	0.0180	01-06-96	0.0038	01-03-05	0.0008	30-11-13	0.1594
03-09-87	0.0124	02-06-96	0.0029	02-03-05	0.0007	01-12-13	0.1289
04-09-87	0.0097	03-06-96	0.0023	03-03-05	0.0007	02-12-13	0.1156
05-09-87	0.0078	04-06-96	0.0018	04-03-05	0.0031	03-12-13	0.0728
06-09-87	0.0056	05-06-96	0.0015	05-03-05	0.0055	04-12-13	0.0431
07-09-87	0.0042	06-06-96	0.0012	06-03-05	0.0040	05-12-13	0.1073
08-09-87	0.0031	07-06-96	0.0010	07-03-05	0.0029	06-12-13	0.2641
09-09-87	0.0024	08-06-96	0.0009	08-03-05	0.0022	07-12-13	0.2570
10-09-87	0.0906	09-06-96	0.0008	09-03-05	0.0017	08-12-13	0.1455
11-09-87	0.1555	10-06-96	0.0007	10-03-05	0.0013	09-12-13	0.0828
12-09-87	0.0847	11-06-96	0.0021	11-03-05	0.0011	10-12-13	0.1843
13-09-87	0.0505	12-06-96	0.0034	12-03-05	0.0171	11-12-13	0.2330
14-09-87	0.0318	13-06-96	0.0026	13-03-05	0.0316	12-12-13	0.2349
15-09-87	0.0224	14-06-96	0.0021	14-03-05	0.0201	13-12-13	0.1945
16-09-87	0.0163	15-06-96	0.0017	15-03-05	0.0132	14-12-13	0.1082
17-09-87	0.1381	16-06-96	0.0014	16-03-05	0.0089	15-12-13	0.1869
18-09-87	0.2029	17-06-96	0.0165	17-03-05	0.0062	16-12-13	0.6470
19-09-87	0.1055	18-06-96	0.0306	18-03-05	0.0044	17-12-13	0.5756
20-09-87	0.0632	19-06-96	0.0205	19-03-05	0.0032	18-12-13	0.2343

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
21-09-87	0.0405	20-06-96	0.0141	20-03-05	0.0718	19-12-13	0.1161
22-09-87	0.0261	21-06-96	0.0100	21-03-05	0.1918	20-12-13	0.0648
23-09-87	0.0174	22-06-96	0.0072	22-03-05	0.2481	21-12-13	0.0389
24-09-87	0.0120	23-06-96	0.0053	23-03-05	0.4478	22-12-13	0.0245
25-09-87	0.0084	24-06-96	0.0339	24-03-05	0.3771	23-12-13	0.0161
26-09-87	0.0061	25-06-96	0.0553	25-03-05	0.1852	24-12-13	0.0109
27-09-87	0.0044	26-06-96	0.0351	26-03-05	0.1101	25-12-13	0.0075
28-09-87	0.0033	27-06-96	0.0462	27-03-05	0.0700	26-12-13	0.0053
29-09-87	0.0108	28-06-96	0.0496	28-03-05	0.0454	27-12-13	0.0039
30-09-87	0.0166	29-06-96	0.0318	29-03-05	0.0280	28-12-13	0.0029
01-10-87	0.0175	30-06-96	0.0212	30-03-05	0.0180	29-12-13	0.0022
02-10-87	0.0723	01-07-96	0.0147	31-03-05	0.0120	30-12-13	0.0017
03-10-87	0.1233	02-07-96	0.0104	01-04-05	0.0082	31-12-13	0.0013
04-10-87	0.0897	03-07-96	0.0076	02-04-05	0.0058	01-01-14	0.0011
05-10-87	0.0525	04-07-96	0.0068	03-04-05	0.0042	02-01-14	0.0009
06-10-87	0.0610	05-07-96	0.0161	04-04-05	0.0031	03-01-14	0.0008
07-10-87	0.0960	06-07-96	0.0212	05-04-05	0.0024	04-01-14	0.0007
08-10-87	0.0830	07-07-96	0.0148	06-04-05	0.9776	05-01-14	0.0006
09-10-87	0.0490	08-07-96	0.0105	07-04-05	1.3317	06-01-14	0.0006
10-10-87	0.0307	09-07-96	0.0076	08-04-05	0.5189	07-01-14	0.0006
11-10-87	0.0200	10-07-96	0.0100	09-04-05	0.2188	08-01-14	0.0005
12-10-87	0.0135	11-07-96	0.0290	10-04-05	0.1107	09-01-14	0.0005
13-10-87	0.0093	12-07-96	0.0361	11-04-05	0.0628	10-01-14	0.0005
14-10-87	0.0139	13-07-96	0.0355	12-04-05	0.0381	11-01-14	0.0005
15-10-87	0.0620	14-07-96	0.0330	13-04-05	0.0243	12-01-14	0.0005
16-10-87	0.0804	15-07-96	0.0221	14-04-05	0.0161	13-01-14	0.0035
17-10-87	0.0477	16-07-96	0.0317	15-04-05	0.0110	14-01-14	0.0131

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
18-10-87	0.0299	17-07-96	0.0360	16-04-05	0.1644	15-01-14	0.0143
19-10-87	0.0196	18-07-96	0.0239	17-04-05	0.2461	16-01-14	0.0097
20-10-87	0.0554	19-07-96	0.0165	18-04-05	0.1220	17-01-14	0.0068
21-10-87	0.0745	20-07-96	0.0116	19-04-05	0.0684	18-01-14	0.0048
22-10-87	0.0446	21-07-96	0.0084	20-04-05	0.0412	19-01-14	0.0035
23-10-87	0.0281	22-07-96	0.0062	21-04-05	0.0262	20-01-14	0.0030
24-10-87	0.0185	23-07-96	0.0046	22-04-05	0.0173	21-01-14	0.0026
25-10-87	0.0125	24-07-96	0.0365	23-04-05	0.0118	22-01-14	0.0020
26-10-87	0.0087	25-07-96	0.0610	24-04-05	0.0082	23-01-14	0.0015
27-10-87	0.0062	26-07-96	0.0385	25-04-05	0.0059	24-01-14	0.0012
28-10-87	0.0045	27-07-96	0.0954	26-04-05	0.0043	25-01-14	0.0010
29-10-87	0.0033	28-07-96	0.1205	27-04-05	0.0032	26-01-14	0.0009
30-10-87	0.0025	29-07-96	0.0699	28-04-05	0.0024	27-01-14	0.0008
31-10-87	0.0207	30-07-96	0.0434	29-04-05	0.0019	28-01-14	0.0007
01-11-87	0.0356	31-07-96	0.0374	30-04-05	0.0015	29-01-14	0.0006
02-11-87	0.0229	01-08-96	0.0433	01-05-05	0.0012	30-01-14	0.0006
03-11-87	0.0580	02-08-96	0.0542	02-05-05	0.0010	31-01-14	0.0006
04-11-87	0.0848	03-08-96	0.0480	03-05-05	0.0018	01-02-14	0.0005
05-11-87	0.0603	04-08-96	0.0311	04-05-05	0.0023	02-02-14	0.0005
06-11-87	0.2562	05-08-96	0.0209	05-05-05	0.0018	03-02-14	0.0005
07-11-87	0.3182	06-08-96	0.0145	06-05-05	0.0015	04-02-14	0.0005
08-11-87	0.1507	07-08-96	0.0103	07-05-05	0.0012	05-02-14	0.0005
09-11-87	0.0813	08-08-96	0.0456	08-05-05	0.0010	06-02-14	0.0005
10-11-87	0.0480	09-08-96	0.0690	09-05-05	0.0009	07-02-14	0.0005
11-11-87	0.0300	10-08-96	0.0429	10-05-05	0.0008	08-02-14	0.0072
12-11-87	0.0196	11-08-96	0.0281	11-05-05	0.0007	09-02-14	0.0236
13-11-87	0.0132	12-08-96	0.0223	12-05-05	0.0006	10-02-14	0.1047

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
14-11-87	0.0091	13-08-96	0.0179	13-05-05	0.0006	11-02-14	0.1485
15-11-87	0.0065	14-08-96	0.0125	14-05-05	0.0006	12-02-14	0.0894
16-11-87	0.0047	15-08-96	0.0298	15-05-05	0.0005	13-02-14	0.0512
17-11-87	0.0034	16-08-96	0.0403	16-05-05	0.0005	14-02-14	0.0312
18-11-87	0.0026	17-08-96	0.0265	17-05-05	0.0005	15-02-14	0.0198
19-11-87	0.0095	18-08-96	0.0180	18-05-05	0.0005	16-02-14	0.0131
20-11-87	0.0148	19-08-96	0.0126	19-05-05	0.0005	17-02-14	0.0089
21-11-87	0.0102	20-08-96	0.0090	20-05-05	0.0005	18-02-14	0.0062
22-11-87	0.0072	21-08-96	0.0066	21-05-05	0.0005	19-02-14	0.0044
23-11-87	0.1023	22-08-96	0.0049	22-05-05	1.7687	20-02-14	0.0032
24-11-87	0.1623	23-08-96	0.0037	23-05-05	2.4272	21-02-14	0.0024
25-11-87	0.0866	24-08-96	0.0096	24-05-05	0.9391	22-02-14	0.0018
26-11-87	0.0508	25-08-96	0.0201	25-05-05	0.3366	23-02-14	0.0014
27-11-87	0.0316	26-08-96	0.0296	26-05-05	0.1597	24-02-14	0.0012
28-11-87	0.0205	27-08-96	0.0289	27-05-05	0.0867	25-02-14	0.0010
29-11-87	0.0138	28-08-96	0.0194	28-05-05	0.0516	26-02-14	0.0008
30-11-87	0.0095	29-08-96	0.0135	29-05-05	0.0326	27-02-14	0.0007
01-12-87	0.0295	30-08-96	0.0114	30-05-05	0.0214	28-02-14	0.0007
02-12-87	0.0419	31-08-96	0.0097	31-05-05	0.0146	01-03-14	0.0006
03-12-87	0.1765	01-09-96	0.0070	01-06-05	0.0744	02-03-14	0.0006
04-12-87	0.2323	02-09-96	0.0090	02-06-05	0.1331	03-03-14	0.0005
05-12-87	0.1152	03-09-96	0.0100	03-06-05	0.0919	04-03-14	0.0063
06-12-87	0.0644	04-09-96	0.0072	04-06-05	0.0546	05-03-14	0.0164
07-12-87	0.0387	05-09-96	0.0083	05-06-05	0.0345	06-03-14	0.1554
08-12-87	0.0244	06-09-96	0.0087	06-06-05	0.0227	07-03-14	0.2185
09-12-87	0.0160	07-09-96	0.0063	07-06-05	0.0310	08-03-14	0.1090
10-12-87	0.0108	08-09-96	0.0047	08-06-05	0.0343	09-03-14	0.0610

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
11-12-87	0.0075	09-09-96	0.0035	09-06-05	0.0243	10-03-14	0.0631
12-12-87	0.0053	10-09-96	0.0249	10-06-05	0.0178	11-03-14	0.0590
13-12-87	0.0039	11-09-96	0.0419	11-06-05	0.0123	12-03-14	0.1986
14-12-87	0.0029	12-09-96	0.0271	12-06-05	0.0088	13-03-14	0.3862
15-12-87	0.0022	13-09-96	0.0182	13-06-05	0.0064	14-03-14	0.5979
16-12-87	0.0246	14-09-96	0.0126	14-06-05	0.0047	15-03-14	0.7886
17-12-87	0.0432	15-09-96	0.0089	15-06-05	0.0341	16-03-14	0.4980
18-12-87	0.0270	16-09-96	0.0064	16-06-05	0.0564	17-03-14	0.2095
19-12-87	0.0176	17-09-96	0.0048	17-06-05	0.1243	18-03-14	0.1054
20-12-87	0.0118	18-09-96	0.0036	18-06-05	0.1491	19-03-14	0.0593
21-12-87	0.0081	19-09-96	0.0027	19-06-05	0.0825	20-03-14	0.0358
22-12-87	0.0057	20-09-96	0.0114	20-06-05	0.0498	21-03-14	0.0226
23-12-87	0.0041	21-09-96	0.0183	21-06-05	0.0317	22-03-14	0.0148
24-12-87	0.0031	22-09-96	0.0127	22-06-05	0.1159	23-03-14	0.0100
25-12-87	0.0023	23-09-96	0.0090	23-06-05	0.2021	24-03-14	0.0070
26-12-87	0.0018	24-09-96	0.0065	24-06-05	0.1405	25-03-14	0.1056
27-12-87	0.0014	25-09-96	0.0072	25-06-05	0.0785	26-03-14	0.6573
28-12-87	0.0011	26-09-96	0.0074	26-06-05	0.0476	27-03-14	0.6110
29-12-87	0.0010	27-09-96	0.0270	27-06-05	0.0305	28-03-14	0.4327
30-12-87	0.1777	28-09-96	0.0404	28-06-05	0.0806	29-03-14	0.3208
31-12-87	0.3359	29-09-96	0.0262	29-06-05	0.1173	30-03-14	0.1498
01-01-88	0.1869	30-09-96	0.0176	30-06-05	0.0767	31-03-14	0.0798
02-01-88	0.0961	01-10-96	0.0121	01-07-05	0.0469	01-04-14	0.0469
03-01-88	0.0611	02-10-96	0.0095	02-07-05	0.0338	02-04-14	0.0294
04-01-88	0.0540	03-10-96	0.0075	03-07-05	0.0251	03-04-14	0.0192
05-01-88	0.0427	04-10-96	0.0054	04-07-05	0.0172	04-04-14	0.0130
06-01-88	0.0266	05-10-96	0.0208	05-07-05	0.0121	05-04-14	0.0755

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
07-01-88	0.0173	06-10-96	0.0350	06-07-05	0.0087	06-04-14	0.1122
08-01-88	0.0347	07-10-96	0.0251	07-07-05	0.0064	07-04-14	0.5714
09-01-88	0.0633	08-10-96	0.0167	08-07-05	0.1695	08-04-14	0.6397
10-01-88	0.0742	09-10-96	0.0361	09-07-05	0.2656	09-04-14	0.2556
11-01-88	0.1096	10-10-96	0.0467	10-07-05	0.1863	10-04-14	0.1260
12-01-88	0.1005	11-10-96	0.0296	11-07-05	0.1386	11-04-14	0.0704
13-01-88	0.0848	12-10-96	0.0195	12-07-05	0.1267	12-04-14	0.0424
14-01-88	0.1163	13-10-96	0.0438	13-07-05	0.1096	13-04-14	0.0269
15-01-88	0.0997	14-10-96	0.0565	14-07-05	0.0643	14-04-14	0.0177
16-01-88	0.0566	15-10-96	0.0351	15-07-05	0.0403	15-04-14	0.0120
17-01-88	0.0343	16-10-96	0.0228	16-07-05	0.0264	16-04-14	0.1591
18-01-88	0.0218	17-10-96	0.0154	17-07-05	0.0180	17-04-14	0.2375
19-01-88	0.0144	18-10-96	0.0106	18-07-05	0.0126	18-04-14	0.1189
20-01-88	0.0145	19-10-96	0.0075	19-07-05	0.0146	19-04-14	0.0671
21-01-88	0.0138	20-10-96	0.0054	20-07-05	0.0152	20-04-14	0.0407
22-01-88	0.0094	21-10-96	0.0040	21-07-05	0.0108	21-04-14	0.0260
23-01-88	0.0065	22-10-96	0.0030	22-07-05	0.0078	22-04-14	0.0172
24-01-88	0.0047	23-10-96	0.0023	23-07-05	0.0057	23-04-14	0.0117
25-01-88	0.0034	24-10-96	0.0018	24-07-05	0.0043	24-04-14	0.0082
26-01-88	0.0025	25-10-96	0.0040	25-07-05	0.0112	25-04-14	0.0059
27-01-88	0.0106	26-10-96	0.0511	26-07-05	0.0162	26-04-14	0.0043
28-01-88	0.0205	27-10-96	0.0802	27-07-05	0.0114	27-04-14	0.0032
29-01-88	0.0163	28-10-96	0.0480	28-07-05	0.0082	28-04-14	0.0024
30-01-88	0.0110	29-10-96	0.0303	29-07-05	0.0060	29-04-14	0.0019
31-01-88	0.0076	30-10-96	0.0199	30-07-05	0.0045	30-04-14	0.0015
01-02-88	0.0053	31-10-96	0.0135	31-07-05	0.0034	01-05-14	0.0012
02-02-88	0.0038	01-11-96	0.0094	01-08-05	0.0184	02-05-14	0.0010

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
03-02-88	0.0028	02-11-96	0.0066	02-08-05	0.0306	03-05-14	0.0009
04-02-88	0.0021	03-11-96	0.0048	03-08-05	0.0206	04-05-14	0.0008
05-02-88	0.0017	04-11-96	0.0035	04-08-05	0.0143	05-05-14	0.0007
06-02-88	0.0013	05-11-96	0.0027	05-08-05	0.0102	06-05-14	0.0006
07-02-88	0.0061	06-11-96	0.0021	06-08-05	0.0074	07-05-14	0.0006
08-02-88	0.0103	07-11-96	0.0016	07-08-05	0.0208	08-05-14	0.0006
09-02-88	0.0071	08-11-96	0.0013	08-08-05	0.0300	09-05-14	0.0005
10-02-88	0.0050	09-11-96	0.0011	09-08-05	0.0202	10-05-14	0.0005
11-02-88	0.0036	10-11-96	0.0405	10-08-05	0.0140	11-05-14	0.0005
12-02-88	0.0027	11-11-96	0.3040	11-08-05	0.0100	12-05-14	3.3598
13-02-88	0.0020	12-11-96	0.4460	12-08-05	0.0078	13-05-14	2.7326
14-02-88	0.0016	13-11-96	0.2711	13-08-05	0.0062	14-05-14	0.6368
15-02-88	0.0013	14-11-96	0.1328	14-08-05	0.0504	15-05-14	0.2567
16-02-88	0.0010	15-11-96	0.1489	15-08-05	0.0822	16-05-14	0.1274
17-02-88	0.0009	16-11-96	0.1422	16-08-05	0.0500	17-05-14	0.0717
18-02-88	0.0008	17-11-96	0.0775	17-08-05	0.0321	18-05-14	0.0434
19-02-88	0.0028	18-11-96	0.1052	18-08-05	0.0280	19-05-14	0.0277
20-02-88	0.0046	19-11-96	0.2198	19-08-05	0.0242	20-05-14	0.0184
21-02-88	0.0034	20-11-96	0.2053	20-08-05	0.0166	21-05-14	0.0126
22-02-88	0.0025	21-11-96	0.1635	21-08-05	0.0116	22-05-14	0.0088
23-02-88	0.0019	22-11-96	0.1268	22-08-05	0.0084	23-05-14	0.0063
24-02-88	0.0021	23-11-96	0.1301	23-08-05	0.0061	24-05-14	0.0046
25-02-88	0.0172	24-11-96	0.2029	24-08-05	0.0046	25-05-14	0.0035
26-02-88	0.0284	25-11-96	0.1690	25-08-05	0.0044	26-05-14	0.0026
27-02-88	0.0182	26-11-96	0.0897	26-08-05	0.0041	27-05-14	0.0021
28-02-88	0.0121	27-11-96	0.0524	27-08-05	0.0031	28-05-14	0.0016
29-02-88	0.0083	28-11-96	0.0501	28-08-05	0.0024	29-05-14	0.0013

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
01-03-88	0.0058	29-11-96	0.0454	29-08-05	0.0093	30-05-14	0.0011
02-03-88	0.0041	30-11-96	0.0737	30-08-05	0.0659	31-05-14	0.0009
03-03-88	0.0030	01-12-96	0.2295	31-08-05	0.0897	01-06-14	0.0008
04-03-88	0.0023	02-12-96	0.2514	01-09-05	0.0755	02-06-14	0.0007
05-03-88	0.0017	03-12-96	0.1359	02-09-05	0.0683	03-06-14	0.0007
06-03-88	0.0014	04-12-96	0.0739	03-09-05	0.0460	04-06-14	0.0303
07-03-88	0.0011	05-12-96	0.0437	04-09-05	0.0294	05-06-14	0.0590
08-03-88	0.0009	06-12-96	0.0274	05-09-05	0.0195	06-06-14	0.0369
09-03-88	0.0008	07-12-96	0.0178	06-09-05	0.0134	07-06-14	0.0241
10-03-88	0.0007	08-12-96	0.0120	07-09-05	0.0094	08-06-14	0.0163
11-03-88	0.0053	09-12-96	0.0082	08-09-05	0.0068	09-06-14	0.0114
12-03-88	0.0098	10-12-96	0.0058	09-09-05	0.0050	10-06-14	0.0081
13-03-88	0.0068	11-12-96	0.0042	10-09-05	0.0037	11-06-14	0.0508
14-03-88	0.0048	12-12-96	0.0031	11-09-05	0.0028	12-06-14	0.1294
15-03-88	0.0035	13-12-96	0.0023	12-09-05	0.0022	13-06-14	0.1113
16-03-88	0.0026	14-12-96	0.0018	13-09-05	0.0017	14-06-14	0.0645
17-03-88	0.0121	15-12-96	0.0014	14-09-05	0.0014	15-06-14	0.0400
18-03-88	0.0795	16-12-96	0.0012	15-09-05	0.0012	16-06-14	0.0260
19-03-88	0.1008	17-12-96	0.0010	16-09-05	0.0010	17-06-14	0.0175
20-03-88	0.1452	18-12-96	0.0008	17-09-05	0.0022	18-06-14	0.0121
21-03-88	0.2224	19-12-96	0.0007	18-09-05	0.0032	19-06-14	0.0086
22-03-88	0.1626	20-12-96	0.0007	19-09-05	0.0025	20-06-14	0.0858
23-03-88	0.0851	21-12-96	0.0006	20-09-05	0.0019	21-06-14	0.2081
24-03-88	0.3949	22-12-96	0.0006	21-09-05	0.0118	22-06-14	0.1899
25-03-88	0.4652	23-12-96	0.0005	22-09-05	0.0204	23-06-14	0.1195
26-03-88	0.2817	24-12-96	0.0005	23-09-05	0.0263	24-06-14	0.0686
27-03-88	0.2303	25-12-96	0.0005	24-09-05	0.0285	25-06-14	0.0422

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
28-03-88	0.2305	26-12-96	0.0005	25-09-05	0.0189	26-06-14	0.0897
29-03-88	0.1832	27-12-96	0.0005	26-09-05	0.0129	27-06-14	0.1891
30-03-88	0.0951	28-12-96	0.0005	27-09-05	0.0130	28-06-14	0.1628
31-03-88	0.0541	29-12-96	0.0005	28-09-05	0.1433	29-06-14	0.0886
01-04-88	0.0331	30-12-96	0.0005	29-09-05	0.2224	30-06-14	0.0559
02-04-88	0.0213	31-12-96	0.0005	30-09-05	0.1235	01-07-14	0.0375
03-04-88	0.0142	01-01-97	0.0005	01-10-05	0.0877	02-07-14	0.0247
04-04-88	0.0097	02-01-97	0.0005	02-10-05	0.0735	03-07-14	0.0168
05-04-88	0.0068	03-01-97	0.0005	03-10-05	0.0505	04-07-14	0.0117
06-04-88	0.0049	04-01-97	0.0010	04-10-05	0.0317	05-07-14	0.0084
07-04-88	0.0036	05-01-97	0.0016	05-10-05	0.0208	06-07-14	0.0084
08-04-88	0.5248	06-01-97	0.0013	06-10-05	0.0140	07-07-14	0.0080
09-04-88	0.8230	07-01-97	0.0011	07-10-05	0.0098	08-07-14	0.0059
10-04-88	0.3714	08-01-97	0.0009	08-10-05	0.0069	09-07-14	0.0044
11-04-88	0.1697	09-01-97	0.0024	09-10-05	0.0416	10-07-14	0.0033
12-04-88	0.0897	10-01-97	0.0037	10-10-05	0.0656	11-07-14	0.0401
13-04-88	0.0523	11-01-97	0.0028	11-10-05	0.0400	12-07-14	0.0693
14-04-88	0.0324	12-01-97	0.0021	12-10-05	0.0515	13-07-14	0.0428
15-04-88	0.0209	13-01-97	0.0016	13-10-05	0.0542	14-07-14	0.0278
16-04-88	0.0161	14-01-97	0.0013	14-10-05	0.0338	15-07-14	0.0187
17-04-88	0.0275	15-01-97	0.0011	15-10-05	0.0220	16-07-14	0.0130
18-04-88	0.0913	16-01-97	0.0009	16-10-05	0.0148	17-07-14	0.0372
19-04-88	0.3827	17-01-97	0.0008	17-10-05	0.0103	18-07-14	0.1017
20-04-88	0.6693	18-01-97	0.0007	18-10-05	0.0073	19-07-14	0.1001
21-04-88	0.4652	19-01-97	0.0006	19-10-05	0.0376	20-07-14	0.0591
22-04-88	0.2137	20-01-97	0.0006	20-10-05	0.0584	21-07-14	0.0371
23-04-88	0.1088	21-01-97	0.0006	21-10-05	0.0361	22-07-14	0.0244

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
24-04-88	0.0620	22-01-97	0.0005	22-10-05	0.0234	23-07-14	0.0166
25-04-88	0.0378	23-01-97	0.0005	23-10-05	0.0157	24-07-14	0.0116
26-04-88	0.0242	24-01-97	0.0005	24-10-05	0.0108	25-07-14	0.0400
27-04-88	0.0161	25-01-97	0.0005	25-10-05	0.0488	26-07-14	0.0580
28-04-88	0.1676	26-01-97	0.0005	26-10-05	0.1806	27-07-14	0.0365
29-04-88	1.2515	27-01-97	0.0005	27-10-05	0.1846	28-07-14	0.0240
30-04-88	1.0738	28-01-97	0.0005	28-10-05	0.0972	29-07-14	0.0163
01-05-88	0.3657	29-01-97	0.0007	29-10-05	0.0566	30-07-14	0.0589
02-05-88	0.1702	30-01-97	0.0009	30-10-05	0.0351	31-07-14	0.0837
03-05-88	0.0914	31-01-97	0.0008	31-10-05	0.0228	01-08-14	0.0505
04-05-88	0.0540	01-02-97	0.0007	01-11-05	0.0152	02-08-14	0.0323
05-05-88	0.1199	02-02-97	0.0006	02-11-05	0.0104	03-08-14	0.0215
06-05-88	0.2472	03-02-97	0.0006	03-11-05	0.0073	04-08-14	0.0148
07-05-88	0.2023	04-02-97	0.0006	04-11-05	0.0052	05-08-14	0.0104
08-05-88	0.1055	05-02-97	0.0005	05-11-05	0.0038	06-08-14	0.0084
09-05-88	0.0613	06-02-97	0.0005	06-11-05	0.0028	07-08-14	0.0438
10-05-88	0.0380	07-02-97	0.0007	07-11-05	0.0022	08-08-14	0.0665
11-05-88	0.0247	08-02-97	0.0028	08-11-05	0.0017	09-08-14	0.0413
12-05-88	0.0166	09-02-97	0.0042	09-11-05	0.0014	10-08-14	0.0268
13-05-88	0.0421	10-02-97	0.0206	10-11-05	0.0011	11-08-14	0.0181
14-05-88	0.0565	11-02-97	0.0326	11-11-05	0.0009	12-08-14	0.0126
15-05-88	0.0394	12-02-97	0.0208	12-11-05	0.0008	13-08-14	0.0089
16-05-88	0.0286	13-02-97	0.0137	13-11-05	0.0007	14-08-14	0.0344
17-05-88	0.0191	14-02-97	0.0093	14-11-05	0.0007	15-08-14	0.0514
18-05-88	0.0259	15-02-97	0.0065	15-11-05	0.0006	16-08-14	0.0327
19-05-88	0.0287	16-02-97	0.0046	16-11-05	0.0006	17-08-14	0.0657
20-05-88	0.0191	17-02-97	0.0034	17-11-05	0.0005	18-08-14	0.0804

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
21-05-88	0.0154	18-02-97	0.0025	18-11-05	0.0005	19-08-14	0.0487
22-05-88	0.0477	19-02-97	0.0019	19-11-05	0.0005	20-08-14	0.0311
23-05-88	0.0642	20-02-97	0.0015	20-11-05	0.0005	21-08-14	0.0426
24-05-88	0.0397	21-02-97	0.0012	21-11-05	0.0005	22-08-14	0.0862
25-05-88	0.0257	22-02-97	0.0010	22-11-05	0.0005	23-08-14	0.0838
26-05-88	0.0224	23-02-97	0.0009	23-11-05	1.5033	24-08-14	0.0504
27-05-88	0.0538	24-02-97	0.0007	24-11-05	1.6023	25-08-14	0.0321
28-05-88	0.0651	25-02-97	0.0007	25-11-05	0.4662	26-08-14	0.0213
29-05-88	0.0402	26-02-97	0.0007	26-11-05	0.2016	27-08-14	0.0146
30-05-88	0.0261	27-02-97	0.0006	27-11-05	0.1034	28-08-14	0.0102
31-05-88	0.0175	28-02-97	0.0006	28-11-05	0.0590	29-08-14	0.0548
01-06-88	0.0122	01-03-97	0.0006	29-11-05	0.0360	30-08-14	0.0837
02-06-88	0.0102	02-03-97	0.0005	30-11-05	0.0231	31-08-14	0.0535
03-06-88	0.0085	03-03-97	0.0005	01-12-05	0.0152	01-09-14	0.0382
04-06-88	0.0062	04-03-97	0.0005	02-12-05	0.0103	02-09-14	0.0264
05-06-88	0.0046	05-03-97	0.0005	03-12-05	0.1379	03-09-14	0.0177
06-06-88	0.0045	06-03-97	0.0005	04-12-05	0.3354	04-09-14	0.0122
07-06-88	0.0042	07-03-97	0.0005	05-12-05	0.2456	05-09-14	0.0415
08-06-88	0.0032	08-03-97	0.0005	06-12-05	0.1204	06-09-14	0.0708
09-06-88	0.0025	09-03-97	0.0005	07-12-05	0.0668	07-09-14	0.1094
10-06-88	0.0020	10-03-97	0.0005	08-12-05	0.0399	08-09-14	0.1104
11-06-88	0.0016	11-03-97	0.0005	09-12-05	0.0251	09-09-14	0.0638
12-06-88	0.0013	12-03-97	0.0005	10-12-05	0.0164	10-09-14	0.0395
13-06-88	0.0011	13-03-97	0.0005	11-12-05	0.0110	11-09-14	0.0256
14-06-88	0.2745	14-03-97	0.0005	12-12-05	0.0076	12-09-14	0.0172
15-06-88	0.4327	15-03-97	0.0005	13-12-05	0.0054	13-09-14	0.0119
16-06-88	0.1957	16-03-97	0.0005	14-12-05	0.0039	14-09-14	0.0084

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
17-06-88	0.1142	17-03-97	0.0005	15-12-05	0.0029	15-09-14	0.0661
18-06-88	0.0736	18-03-97	0.0005	16-12-05	0.0022	16-09-14	0.1082
19-06-88	0.0451	19-03-97	0.0005	17-12-05	0.0017	17-09-14	0.1016
20-06-88	0.0291	20-03-97	0.0005	18-12-05	0.0013	18-09-14	0.0870
21-06-88	0.0195	21-03-97	0.0005	19-12-05	0.0011	19-09-14	0.0518
22-06-88	0.0135	22-03-97	0.0005	20-12-05	0.0009	20-09-14	0.0327
23-06-88	0.0096	23-03-97	0.0005	21-12-05	0.0008	21-09-14	0.0215
24-06-88	0.0109	24-03-97	0.0005	22-12-05	0.0007	22-09-14	0.0146
25-06-88	0.0126	25-03-97	0.0005	23-12-05	0.0006	23-09-14	0.0102
26-06-88	0.6981	26-03-97	0.0017	24-12-05	0.0006	24-09-14	0.0333
27-06-88	0.8723	27-03-97	0.0033	25-12-05	0.0006	25-09-14	0.0501
28-06-88	0.3231	28-03-97	0.0025	26-12-05	0.0005	26-09-14	0.0331
29-06-88	0.1562	29-03-97	0.0187	27-12-05	0.0005	27-09-14	0.0218
30-06-88	0.0859	30-03-97	0.0319	28-12-05	0.0005	28-09-14	0.0148
01-07-88	0.0519	31-03-97	0.1374	29-12-05	0.0005	29-09-14	0.0116
02-07-88	0.0334	01-04-97	0.3146	30-12-05	0.0005	30-09-14	0.0092
03-07-88	0.0223	02-04-97	0.2439	31-12-05	0.0005	01-10-14	0.0066
04-07-88	0.0154	03-04-97	0.1211	01-01-06	0.0005	02-10-14	0.0047
05-07-88	0.0109	04-04-97	0.0680	02-01-06	0.0005	03-10-14	0.0035
06-07-88	0.0079	05-04-97	0.0410	03-01-06	0.0005	04-10-14	0.0026
07-07-88	0.0058	06-04-97	0.0261	04-01-06	0.0005	05-10-14	0.1202
08-07-88	0.0044	07-04-97	0.3003	05-01-06	0.0005	06-10-14	0.2493
09-07-88	0.0127	08-04-97	1.0446	06-01-06	0.0005	07-10-14	0.2928
10-07-88	0.0190	09-04-97	0.7720	07-01-06	0.0005	08-10-14	0.2403
11-07-88	0.0133	10-04-97	0.6343	08-01-06	0.0005	09-10-14	0.1197
12-07-88	0.0095	11-04-97	0.9228	09-01-06	0.0005	10-10-14	0.0673
13-07-88	0.0069	12-04-97	0.6063	10-01-06	0.0005	11-10-14	0.0406

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
14-07-88	0.0059	13-04-97	0.2461	11-01-06	0.0005	12-10-14	0.0711
15-07-88	0.0051	14-04-97	0.1223	12-01-06	0.0005	13-10-14	0.1692
16-07-88	0.0389	15-04-97	0.0687	13-01-06	0.0005	14-10-14	0.1595
17-07-88	0.0722	16-04-97	0.0415	14-01-06	0.0005	15-10-14	0.0853
18-07-88	0.0504	17-04-97	0.0264	15-01-06	0.0005	16-10-14	0.0501
19-07-88	0.0324	18-04-97	0.0174	16-01-06	0.0323	17-10-14	0.0312
20-07-88	0.0217	19-04-97	0.0119	17-01-06	0.0641	18-10-14	0.0809
21-07-88	0.0150	20-04-97	0.0083	18-01-06	0.0384	19-10-14	0.1608
22-07-88	0.0106	21-04-97	0.0059	19-01-06	0.0242	20-10-14	0.1299
23-07-88	0.0077	22-04-97	0.0043	20-01-06	0.0158	21-10-14	0.0800
24-07-88	0.0057	23-04-97	0.0032	21-01-06	0.0107	22-10-14	0.1190
25-07-88	0.0923	24-04-97	0.0025	22-01-06	0.0074	23-10-14	0.1201
26-07-88	0.1755	25-04-97	0.0019	23-01-06	0.0052	24-10-14	0.0674
27-07-88	0.1273	26-04-97	0.0015	24-01-06	0.0038	25-10-14	0.0407
28-07-88	0.0838	27-04-97	0.0012	25-01-06	0.0028	26-10-14	0.0259
29-07-88	0.0509	28-04-97	0.0010	26-01-06	0.0021	27-10-14	0.0171
30-07-88	0.0326	29-04-97	0.1454	27-01-06	0.0017	28-10-14	0.0179
31-07-88	0.0218	30-04-97	2.3582	28-01-06	0.0013	29-10-14	0.0174
01-08-88	0.0199	01-05-97	6.1226	29-01-06	0.0011	30-10-14	0.0118
02-08-88	0.0707	02-05-97	3.8714	30-01-06	0.0009	31-10-14	0.0692
03-08-88	0.0933	03-05-97	1.2728	31-01-06	0.0008	01-11-14	0.1160
04-08-88	0.0558	04-05-97	0.4112	01-02-06	0.0007	02-11-14	0.4546
05-08-88	0.0354	05-05-97	0.1868	02-02-06	0.0006	03-11-14	0.5017
06-08-88	0.0234	06-05-97	0.0990	03-02-06	0.0006	04-11-14	1.4945
07-08-88	0.0160	07-05-97	0.0581	04-02-06	0.0006	05-11-14	1.2910
08-08-88	0.0313	08-05-97	0.0363	05-02-06	0.0005	06-11-14	0.4112
09-08-88	0.0398	09-05-97	0.0237	06-02-06	0.0005	07-11-14	0.1822

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
10-08-88	0.0261	10-05-97	0.0160	07-02-06	0.0005	08-11-14	0.1043
11-08-88	0.0177	11-05-97	0.0112	08-02-06	0.0005	09-11-14	0.0687
12-08-88	0.0488	12-05-97	0.0079	09-02-06	0.0005	10-11-14	0.0429
13-08-88	0.0665	13-05-97	0.0058	10-02-06	0.0005	11-11-14	0.0293
14-08-88	0.0413	14-05-97	0.0043	11-02-06	0.0005	12-11-14	0.0241
15-08-88	0.0269	15-05-97	0.0032	12-02-06	0.0005	13-11-14	0.0213
16-08-88	0.0182	16-05-97	0.0025	13-02-06	0.0005	14-11-14	0.0164
17-08-88	0.0126	17-05-97	0.0020	14-02-06	0.0005	15-11-14	0.0111
18-08-88	0.0090	18-05-97	0.0016	15-02-06	0.0005	16-11-14	0.0897
19-08-88	0.0065	19-05-97	0.0013	16-02-06	0.0005	17-11-14	0.1457
20-08-88	0.0145	20-05-97	0.0011	17-02-06	0.0005	18-11-14	0.5499
21-08-88	0.0199	21-05-97	0.0009	18-02-06	0.0005	19-11-14	0.5888
22-08-88	0.0137	22-05-97	0.0008	19-02-06	0.0005	20-11-14	0.2384
23-08-88	0.0097	23-05-97	0.0007	20-02-06	0.0005	21-11-14	0.1178
24-08-88	0.0070	24-05-97	0.0007	21-02-06	0.0005	22-11-14	0.0657
25-08-88	0.0052	25-05-97	0.0006	22-02-06	0.0005	23-11-14	0.0394
26-08-88	0.0039	26-05-97	0.0006	23-02-06	0.0005	24-11-14	0.0298
27-08-88	0.0030	27-05-97	0.0006	24-02-06	0.0005	25-11-14	0.0231
28-08-88	0.0349	28-05-97	0.0005	25-02-06	0.0019	26-11-14	0.0152
29-08-88	0.0636	29-05-97	0.0005	26-02-06	0.0161	27-11-14	0.0103
30-08-88	0.0415	30-05-97	0.0005	27-02-06	0.0238	28-11-14	0.0072
31-08-88	0.0269	31-05-97	0.0005	28-02-06	0.0307	29-11-14	0.0066
01-09-88	0.0776	01-06-97	0.0005	01-03-06	0.0408	30-11-14	0.0293
02-09-88	0.1301	02-06-97	0.0009	02-03-06	0.0315	01-12-14	0.9251
03-09-88	0.0936	03-06-97	0.0013	03-03-06	0.0201	02-12-14	3.2483
04-09-88	0.0554	04-06-97	0.0011	04-03-06	0.0978	03-12-14	1.8553
05-09-88	0.0349	05-06-97	0.0009	05-03-06	0.1377	04-12-14	0.5057

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
06-09-88	0.0229	06-06-97	0.0008	06-03-06	0.0832	05-12-14	0.2129
07-09-88	0.0156	07-06-97	0.0112	07-03-06	0.0547	06-12-14	0.1073
08-09-88	0.0108	08-06-97	0.0548	08-03-06	0.0331	07-12-14	0.0606
09-09-88	0.0077	09-06-97	0.1106	09-03-06	0.0210	08-12-14	0.0366
10-09-88	0.0056	10-06-97	0.1009	10-03-06	0.0138	09-12-14	0.0232
11-09-88	0.0326	11-06-97	0.0862	11-03-06	0.0093	10-12-14	0.2087
12-09-88	0.1546	12-06-97	0.0724	12-03-06	0.0065	11-12-14	0.4050
13-09-88	0.1822	13-06-97	0.0446	13-03-06	0.0046	12-12-14	0.2553
14-09-88	0.1034	14-06-97	0.0686	14-03-06	0.0033	13-12-14	0.1244
15-09-88	0.0603	15-06-97	0.0768	15-03-06	0.0448	14-12-14	0.0688
16-09-88	0.0375	16-06-97	0.0470	16-03-06	0.0756	15-12-14	0.0410
17-09-88	0.0245	17-06-97	0.0303	17-03-06	0.0442	16-12-14	0.0258
18-09-88	0.0165	18-06-97	0.0203	18-03-06	0.0273	17-12-14	0.0168
19-09-88	0.0544	19-06-97	0.0140	19-03-06	0.0452	18-12-14	0.0113
20-09-88	0.0761	20-06-97	0.0099	20-03-06	0.0872	19-12-14	0.0078
21-09-88	0.0461	21-06-97	0.0072	21-03-06	0.0867	20-12-14	0.0055
22-09-88	0.0500	22-06-97	0.0053	22-03-06	0.0566	21-12-14	0.0040
23-09-88	0.0487	23-06-97	0.0478	23-03-06	0.0546	22-12-14	0.0030
24-09-88	0.0309	24-06-97	0.0792	24-03-06	0.2070	23-12-14	0.0022
25-09-88	0.0205	25-06-97	0.0574	25-03-06	0.4936	24-12-14	0.0017
26-09-88	0.0319	26-06-97	0.1398	26-03-06	0.5142	25-12-14	0.0014
27-09-88	0.0372	27-06-97	0.1621	27-03-06	0.2987	26-12-14	0.0011
28-09-88	0.0242	28-06-97	0.0889	28-03-06	0.1410	27-12-14	0.0009
29-09-88	0.0163	29-06-97	0.0534	29-03-06	0.0756	28-12-14	0.0008
30-09-88	0.0113	30-06-97	0.0340	30-03-06	0.0443	29-12-14	0.0007
01-10-88	0.0080	01-07-97	0.0227	31-03-06	0.1375	30-12-14	0.0007
02-10-88	0.0057	02-07-97	0.0156	01-04-06	0.1913	31-12-14	0.0006

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
03-10-88	0.0042	03-07-97	0.0111	02-04-06	0.1108	01-01-15	0.0006
04-10-88	0.0031	04-07-97	0.0080	03-04-06	0.0629	02-01-15	0.0005
05-10-88	0.0078	05-07-97	0.0059	04-04-06	0.0383	03-01-15	0.0005
06-10-88	0.0366	06-07-97	0.0106	05-04-06	0.0245	04-01-15	0.0005
07-10-88	0.0991	07-07-97	0.0276	06-04-06	0.2959	05-01-15	0.0005
08-10-88	0.0993	08-07-97	0.0708	07-04-06	0.4059	06-01-15	0.0005
09-10-88	0.0575	09-07-97	0.0869	08-04-06	0.1823	07-01-15	0.0005
10-10-88	0.0355	10-07-97	0.0898	09-04-06	0.4480	08-01-15	0.0005
11-10-88	0.0229	11-07-97	0.0781	10-04-06	0.4732	09-01-15	0.0005
12-10-88	0.0154	12-07-97	0.0914	11-04-06	0.2049	10-01-15	0.0005
13-10-88	0.0106	13-07-97	0.0904	12-04-06	0.1053	11-01-15	0.0005
14-10-88	0.0083	14-07-97	0.0545	13-04-06	0.0603	12-01-15	0.0005
15-10-88	0.0067	15-07-97	0.0348	14-04-06	0.0370	13-01-15	0.0005
16-10-88	0.0048	16-07-97	0.0232	15-04-06	0.0338	14-01-15	0.0005
17-10-88	0.0036	17-07-97	0.0159	16-04-06	0.0300	15-01-15	0.0005
18-10-88	0.0027	18-07-97	0.0869	17-04-06	0.0196	16-01-15	0.0005
19-10-88	0.0130	19-07-97	0.1280	18-04-06	0.0133	17-01-15	0.0005
20-10-88	0.0213	20-07-97	0.0735	19-04-06	0.0092	18-01-15	0.0005
21-10-88	0.0143	21-07-97	0.0454	20-04-06	0.0065	19-01-15	0.0051
22-10-88	0.0099	22-07-97	0.0295	21-04-06	0.0047	20-01-15	0.0249
23-10-88	0.0070	23-07-97	0.0322	22-04-06	0.0035	21-01-15	0.0292
24-10-88	0.0259	24-07-97	0.0320	23-04-06	0.0027	22-01-15	0.0189
25-10-88	0.0425	25-07-97	0.0214	24-04-06	0.0875	23-01-15	0.0127
26-10-88	0.1564	26-07-97	0.0148	25-04-06	0.1491	24-01-15	0.0087
27-10-88	0.2018	27-07-97	0.0105	26-04-06	0.0810	25-01-15	0.0061
28-10-88	0.1043	28-07-97	0.0315	27-04-06	0.0482	26-01-15	0.0044
29-10-88	0.0600	29-07-97	0.0452	28-04-06	0.6474	27-01-15	0.0032

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
30-10-88	0.0369	30-07-97	0.0293	29-04-06	1.8949	28-01-15	0.0024
31-10-88	0.0237	31-07-97	0.0305	30-04-06	1.2050	29-01-15	0.0019
01-11-88	0.0158	01-08-97	0.0384	01-05-06	2.4402	30-01-15	0.0015
02-11-88	0.0108	02-08-97	0.0676	02-05-06	1.7858	31-01-15	0.0012
03-11-88	0.0076	03-08-97	0.0719	03-05-06	0.5143	01-02-15	0.0010
04-11-88	0.0054	04-08-97	0.0444	04-05-06	0.2204	02-02-15	0.0009
05-11-88	0.4773	05-08-97	0.0289	05-05-06	0.1130	03-02-15	0.0008
06-11-88	0.7903	06-08-97	0.0195	06-05-06	0.0856	04-02-15	0.0007
07-11-88	0.7064	07-08-97	0.0135	07-05-06	0.0763	05-02-15	0.0006
08-11-88	0.4899	08-08-97	0.0096	08-05-06	0.1203	06-02-15	0.0006
09-11-88	0.2270	09-08-97	0.0070	09-05-06	0.1380	07-02-15	0.0005
10-11-88	0.1551	10-08-97	0.0240	10-05-06	0.0954	08-02-15	0.0005
11-11-88	0.1041	11-08-97	0.1226	11-05-06	0.0761	09-02-15	0.0005
12-11-88	0.1368	12-08-97	0.1467	12-05-06	0.0645	10-02-15	0.0005
13-11-88	0.1381	13-08-97	0.0818	13-05-06	0.0457	11-02-15	0.0005
14-11-88	0.0757	14-08-97	0.0598	14-05-06	0.0292	12-02-15	0.0005
15-11-88	0.0452	15-08-97	0.0453	15-05-06	0.0194	13-02-15	0.0005
16-11-88	0.0285	16-08-97	0.0293	16-05-06	0.0133	14-02-15	0.0005
17-11-88	0.0419	17-08-97	0.0197	17-05-06	0.0093	15-02-15	0.0117
18-11-88	0.0918	18-08-97	0.0136	18-05-06	0.0067	16-02-15	0.0240
19-11-88	0.1243	19-08-97	0.0097	19-05-06	0.0049	17-02-15	0.0157
20-11-88	0.0950	20-08-97	0.0070	20-05-06	0.0042	18-02-15	0.0106
21-11-88	0.0552	21-08-97	0.0249	21-05-06	0.0036	19-02-15	0.0074
22-11-88	0.0341	22-08-97	0.0376	22-05-06	0.0153	20-02-15	0.0052
23-11-88	0.0220	23-08-97	0.0247	23-05-06	0.0244	21-02-15	0.0038
24-11-88	0.0147	24-08-97	0.0168	24-05-06	0.0356	22-02-15	0.0028
25-11-88	0.0101	25-08-97	0.0117	25-05-06	0.3056	23-02-15	0.0021

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
26-11-88	0.0454	26-08-97	0.0084	26-05-06	0.3818	24-02-15	0.0061
27-11-88	0.0678	27-08-97	0.0061	27-05-06	0.1767	25-02-15	0.0091
28-11-88	0.0410	28-08-97	0.0045	28-05-06	0.1393	26-02-15	0.0064
29-11-88	0.0261	29-08-97	0.0034	29-05-06	0.1295	27-02-15	0.0046
30-11-88	0.0172	30-08-97	0.0048	30-05-06	0.0863	28-02-15	0.0033
01-12-88	0.0576	31-08-97	0.0326	31-05-06	0.0516	01-03-15	0.0025
02-12-88	0.0798	01-09-97	0.0497	01-06-06	0.0327	02-03-15	0.0019
03-12-88	0.0472	02-09-97	0.0315	02-06-06	0.0281	03-03-15	0.0015
04-12-88	0.0295	03-09-97	0.0207	03-06-06	0.0240	04-03-15	0.0139
05-12-88	0.0193	04-09-97	0.0141	04-06-06	0.0163	05-03-15	0.1157
06-12-88	0.0130	05-09-97	0.0099	05-06-06	0.0331	06-03-15	0.1471
07-12-88	0.0874	06-09-97	0.0071	06-06-06	0.0424	07-03-15	0.0788
08-12-88	0.1311	07-09-97	0.0051	07-06-06	0.0275	08-03-15	0.0461
09-12-88	0.1136	08-09-97	0.0038	08-06-06	0.0186	09-03-15	0.0286
10-12-88	0.1328	09-09-97	0.0029	09-06-06	0.0129	10-03-15	0.0185
11-12-88	0.1008	10-09-97	0.0039	10-06-06	0.0686	11-03-15	0.0124
12-12-88	0.0579	11-09-97	0.0045	11-06-06	0.1029	12-03-15	0.0085
13-12-88	0.0355	12-09-97	0.0033	12-06-06	0.0639	13-03-15	0.0060
14-12-88	0.0875	13-09-97	0.0026	13-06-06	0.0422	14-03-15	0.0043
15-12-88	0.1096	14-09-97	0.0181	14-06-06	0.0275	15-03-15	0.0031
16-12-88	0.0623	15-09-97	0.0311	15-06-06	0.0185	16-03-15	0.0024
17-12-88	0.0379	16-09-97	0.0205	16-06-06	0.0129	17-03-15	0.0018
18-12-88	0.0242	17-09-97	0.0139	17-06-06	0.0527	18-03-15	0.0014
19-12-88	0.0161	18-09-97	0.0097	18-06-06	0.0775	19-03-15	0.0012
20-12-88	0.0110	19-09-97	0.0069	19-06-06	0.1271	20-03-15	0.0280
21-12-88	0.0077	20-09-97	0.0051	20-06-06	0.2530	21-03-15	0.1754
22-12-88	0.0446	21-09-97	0.0038	21-06-06	0.2144	22-03-15	0.1978

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
23-12-88	0.1089	22-09-97	0.0442	22-06-06	0.1260	23-03-15	0.1688
24-12-88	0.1890	23-09-97	0.0751	23-06-06	0.0821	24-03-15	0.3053
25-12-88	0.2929	24-09-97	0.0453	24-06-06	0.0498	25-03-15	0.5025
26-12-88	0.2270	25-09-97	0.0288	25-06-06	0.0838	26-03-15	0.7966
27-12-88	0.4565	26-09-97	0.0191	26-06-06	0.1082	27-03-15	0.5745
28-12-88	1.3379	27-09-97	0.0130	27-06-06	0.0723	28-03-15	0.2577
29-12-88	1.0632	28-09-97	0.0338	28-06-06	0.0445	29-03-15	0.1422
30-12-88	0.4159	29-09-97	0.0834	29-06-06	0.0288	30-03-15	0.0767
31-12-88	0.1854	30-09-97	0.1054	30-06-06	0.0326	31-03-15	0.0452
01-01-89	0.0968	01-10-97	0.0798	01-07-06	0.0331	01-04-15	0.0282
02-01-89	0.0560	02-10-97	0.0476	02-07-06	0.0222	02-04-15	0.0183
03-01-89	0.0345	03-10-97	0.0300	03-07-06	0.0154	03-04-15	0.0123
04-01-89	0.0223	04-10-97	0.0197	04-07-06	0.0109	04-04-15	0.0085
05-01-89	0.0242	05-10-97	0.0134	05-07-06	0.0080	05-04-15	0.0060
06-01-89	0.0518	06-10-97	0.1783	06-07-06	0.0059	06-04-15	0.0043
07-01-89	0.0561	07-10-97	0.2679	07-07-06	0.0044	07-04-15	0.0032
08-01-89	0.0346	08-10-97	0.1323	08-07-06	0.0034	08-04-15	0.0024
09-01-89	0.0223	09-10-97	0.0733	09-07-06	0.0027	09-04-15	0.0019
10-01-89	0.1449	10-10-97	0.0442	10-07-06	0.0050	10-04-15	0.0015
11-01-89	0.2044	11-10-97	0.0280	11-07-06	0.0068	11-04-15	0.2527
12-01-89	0.1049	12-10-97	0.0185	12-07-06	0.0051	12-04-15	0.3956
13-01-89	0.0600	13-10-97	0.0126	13-07-06	0.0039	13-04-15	0.1777
14-01-89	0.0367	14-10-97	0.0088	14-07-06	0.0030	14-04-15	0.0930
15-01-89	0.1087	15-10-97	0.0063	15-07-06	0.0202	15-04-15	0.1382
16-01-89	0.2203	16-10-97	0.0046	16-07-06	0.1168	16-04-15	0.1454
17-01-89	0.2282	17-10-97	0.0034	17-07-06	0.1401	17-04-15	0.1062
18-01-89	0.1718	18-10-97	1.4711	18-07-06	0.0797	18-04-15	0.0808

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
19-01-89	0.1020	19-10-97	2.2147	19-07-06	0.0489	19-04-15	0.0476
20-01-89	0.0586	20-10-97	2.9464	20-07-06	0.0316	20-04-15	0.0297
21-01-89	0.0359	21-10-97	1.7403	21-07-06	0.0213	21-04-15	0.0193
22-01-89	0.0678	22-10-97	4.1822	22-07-06	0.0148	22-04-15	0.2799
23-01-89	0.0806	23-10-97	2.6389	23-07-06	0.0105	23-04-15	0.3921
24-01-89	0.0477	24-10-97	0.6238	24-07-06	0.0259	24-04-15	0.1769
25-01-89	0.0298	25-10-97	0.2522	25-07-06	0.0358	25-04-15	0.1763
26-01-89	0.0200	26-10-97	0.1252	26-07-06	0.0238	26-04-15	0.1584
27-01-89	0.0139	27-10-97	0.0704	27-07-06	0.0164	27-04-15	0.0847
28-01-89	0.0096	28-10-97	0.0426	28-07-06	0.0115	28-04-15	0.2345
29-01-89	0.0067	29-10-97	0.0271	29-07-06	0.0134	29-04-15	0.2777
30-01-89	0.0049	30-10-97	0.0179	30-07-06	0.0658	30-04-15	0.1352
31-01-89	0.0036	31-10-97	0.0122	31-07-06	0.1224	01-05-15	0.0747
01-02-89	0.0027	01-11-97	0.0085	01-08-06	0.1137	02-05-15	0.0452
02-02-89	0.0021	02-11-97	0.0061	02-08-06	0.0808	03-05-15	0.0289
03-02-89	0.0016	03-11-97	0.0296	03-08-06	0.0493	04-05-15	2.4585
04-02-89	0.0013	04-11-97	0.0462	04-08-06	0.0317	05-05-15	2.1642
05-02-89	0.0011	05-11-97	1.3728	05-08-06	0.0212	06-05-15	1.4198
06-02-89	0.0009	06-11-97	1.4072	06-08-06	0.0146	07-05-15	0.9685
07-02-89	0.0008	07-11-97	0.4317	07-08-06	0.0445	08-05-15	0.3440
08-02-89	0.0007	08-11-97	0.1908	08-08-06	0.1212	09-05-15	0.8303
09-02-89	0.0006	09-11-97	0.0991	09-08-06	0.1167	10-05-15	0.7907
10-02-89	0.0006	10-11-97	0.0571	10-08-06	0.0677	11-05-15	0.2998
11-02-89	0.0006	11-11-97	0.0351	11-08-06	0.0421	12-05-15	0.1461
12-02-89	0.0005	12-11-97	0.0398	12-08-06	0.0274	13-05-15	0.0806
13-02-89	0.0013	13-11-97	0.4364	13-08-06	0.0247	14-05-15	0.0485
14-02-89	0.0021	14-11-97	0.8508	14-08-06	0.0219	15-05-15	0.0309

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
15-02-89	0.0016	15-11-97	0.5145	15-08-06	0.0150	16-05-15	0.0204
16-02-89	0.0013	16-11-97	0.3691	16-08-06	0.0118	17-05-15	0.0140
17-02-89	0.0011	17-11-97	0.5020	17-08-06	0.0346	18-05-15	0.0098
18-02-89	0.0009	18-11-97	0.3693	18-08-06	0.0475	19-05-15	0.0070
19-02-89	0.0008	19-11-97	0.1694	19-08-06	0.0306	20-05-15	0.0052
20-02-89	0.0007	20-11-97	0.1493	20-08-06	0.0205	21-05-15	0.0039
21-02-89	0.0006	21-11-97	2.6099	21-08-06	0.0141	22-05-15	0.0029
22-02-89	0.0081	22-11-97	2.0943	22-08-06	0.0109	23-05-15	0.0023
23-02-89	0.0157	23-11-97	0.5470	23-08-06	0.0085	24-05-15	0.0018
24-02-89	0.0107	24-11-97	0.3645	24-08-06	0.0062	25-05-15	0.0015
25-02-89	0.0075	25-11-97	0.2643	25-08-06	0.0046	26-05-15	0.0012
26-02-89	0.0053	26-11-97	0.2168	26-08-06	0.0035	27-05-15	0.0010
27-02-89	0.0039	27-11-97	0.1763	27-08-06	0.0027	28-05-15	0.0009
28-02-89	0.0029	28-11-97	0.0929	28-08-06	0.0241	29-05-15	0.0008
01-03-89	0.0022	29-11-97	0.0540	29-08-06	0.0420	30-05-15	0.0007
02-03-89	0.0041	30-11-97	0.0334	30-08-06	0.0273	31-05-15	0.0006
03-03-89	0.0054	01-12-97	0.0216	31-08-06	0.1239	01-06-15	0.0292
04-03-89	0.0039	02-12-97	0.0144	01-09-06	0.2466	02-06-15	0.0573
05-03-89	0.0029	03-12-97	0.0218	02-09-06	0.1804	03-06-15	0.0360
06-03-89	0.0022	04-12-97	0.0254	03-09-06	0.0964	04-06-15	0.0237
07-03-89	0.0017	05-12-97	0.0917	04-09-06	0.0709	05-06-15	0.0161
08-03-89	0.0014	06-12-97	0.4887	05-09-06	0.0951	06-06-15	0.0337
09-03-89	0.0011	07-12-97	0.9273	06-09-06	0.1114	07-06-15	0.0435
10-03-89	0.0009	08-12-97	0.8396	07-09-06	0.0808	08-06-15	0.0281
11-03-89	0.0008	09-12-97	0.4485	08-09-06	0.0487	09-06-15	0.0189
12-03-89	0.0007	10-12-97	0.1959	09-09-06	0.0310	10-06-15	0.0131
13-03-89	0.0006	11-12-97	0.1010	10-09-06	0.0205	11-06-15	0.0093

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
14-03-89	0.0006	12-12-97	0.0579	11-09-06	0.0141	12-06-15	0.0482
15-03-89	0.0006	13-12-97	0.1517	12-09-06	0.0099	13-06-15	0.0817
16-03-89	0.0020	14-12-97	0.1869	13-09-06	0.0071	14-06-15	0.0549
17-03-89	0.0034	15-12-97	0.2734	14-09-06	0.0117	15-06-15	0.0347
18-03-89	0.0749	16-12-97	0.5180	15-09-06	0.0278	16-06-15	0.0229
19-03-89	0.1261	17-12-97	0.3878	16-09-06	0.0303	17-06-15	0.0156
20-03-89	0.0692	18-12-97	0.3588	17-09-06	0.0201	18-06-15	0.0110
21-03-89	0.5295	19-12-97	0.5157	18-09-06	0.0173	19-06-15	0.0242
22-03-89	0.6241	20-12-97	0.3648	19-09-06	0.0651	20-06-15	0.0323
23-03-89	0.2486	21-12-97	0.1673	20-09-06	0.0880	21-06-15	0.0215
24-03-89	0.1218	22-12-97	0.5131	21-09-06	0.0524	22-06-15	0.0147
25-03-89	0.0676	23-12-97	0.5486	22-09-06	0.0330	23-06-15	0.0104
26-03-89	0.0404	24-12-97	0.2277	23-09-06	0.0390	24-06-15	0.0390
27-03-89	0.0823	25-12-97	0.1142	24-09-06	0.0400	25-06-15	0.0577
28-03-89	0.0983	26-12-97	0.0644	25-09-06	0.0259	26-06-15	0.0363
29-03-89	0.0562	27-12-97	0.0390	26-09-06	0.0174	27-06-15	0.0239
30-03-89	0.1240	28-12-97	0.0248	27-09-06	0.0120	28-06-15	0.0162
31-03-89	0.1472	29-12-97	0.0163	28-09-06	0.1091	29-06-15	0.0641
01-04-89	0.0796	30-12-97	0.0111	29-09-06	0.5620	30-06-15	0.1255
02-04-89	0.0474	31-12-97	0.0077	30-09-06	0.5268	01-07-15	0.0967
03-04-89	0.0463	01-01-98	0.1194	01-10-06	0.2238	02-07-15	0.0602
04-04-89	0.0426	02-01-98	0.3127	02-10-06	0.1135	03-07-15	0.0398
05-04-89	0.0870	03-01-98	0.4168	03-10-06	0.0645	04-07-15	0.0261
06-04-89	0.2677	04-01-98	0.5759	04-10-06	0.0393	05-07-15	0.0177
07-04-89	0.6366	05-01-98	0.4158	05-10-06	0.0252	06-07-15	0.0477
08-04-89	0.5164	06-01-98	0.1841	06-10-06	0.0167	07-07-15	0.0647
09-04-89	1.0794	07-01-98	0.0954	07-10-06	0.0114	08-07-15	0.0404

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
10-04-89	1.2664	08-01-98	0.0548	08-10-06	0.0080	09-07-15	0.0264
11-04-89	0.6803	09-01-98	0.3036	09-10-06	0.0057	10-07-15	0.0179
12-04-89	0.3251	10-01-98	0.3836	10-10-06	0.0042	11-07-15	0.0125
13-04-89	0.1543	11-01-98	0.1730	11-10-06	0.0031	12-07-15	0.0586
14-04-89	0.0836	12-01-98	0.0905	12-10-06	0.0024	13-07-15	0.0874
15-04-89	0.0496	13-01-98	0.1459	13-10-06	0.0019	14-07-15	0.0527
16-04-89	0.0312	14-01-98	0.3511	14-10-06	0.0015	15-07-15	0.0336
17-04-89	0.0204	15-01-98	0.3600	15-10-06	0.0278	16-07-15	0.0223
18-04-89	0.0138	16-01-98	0.2015	16-10-06	0.1220	17-07-15	0.0153
19-04-89	0.0096	17-01-98	0.1027	17-10-06	0.1267	18-07-15	0.0340
20-04-89	0.0068	18-01-98	0.2138	18-10-06	0.0709	19-07-15	0.0937
21-04-89	0.0050	19-01-98	0.2400	19-10-06	0.0427	20-07-15	0.0963
22-04-89	0.0037	20-01-98	0.1185	20-10-06	0.0271	21-07-15	0.0572
23-04-89	0.0028	21-01-98	0.0661	21-10-06	3.9261	22-07-15	0.0361
24-04-89	0.0022	22-01-98	0.0396	22-10-06	2.9492	23-07-15	0.0750
25-04-89	0.0017	23-01-98	0.0250	23-10-06	0.6579	24-07-15	0.0919
26-04-89	0.0014	24-01-98	0.0164	24-10-06	0.2615	25-07-15	0.0549
27-04-89	0.0011	25-01-98	0.0110	25-10-06	0.1754	26-07-15	0.0348
28-04-89	0.0010	26-01-98	0.0077	26-10-06	0.1266	27-07-15	0.0230
29-04-89	0.0192	27-01-98	0.0054	27-10-06	0.0708	28-07-15	0.0310
30-04-89	0.0366	28-01-98	0.0606	28-10-06	0.0427	29-07-15	0.1632
01-05-89	0.0238	29-01-98	0.1565	29-10-06	0.0271	30-07-15	0.2079
02-05-89	0.0162	30-01-98	0.1278	30-10-06	0.0179	31-07-15	0.1090
03-05-89	0.0113	31-01-98	0.0701	31-10-06	0.0122	01-08-15	0.0636
04-05-89	0.0080	01-02-98	0.0486	01-11-06	0.0085	02-08-15	0.0841
05-05-89	0.4354	02-02-98	0.0351	02-11-06	0.0060	03-08-15	0.0877
06-05-89	1.2027	03-02-98	0.0223	03-11-06	0.0043	04-08-15	0.0526

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
07-05-89	0.7733	04-02-98	0.0146	04-11-06	0.0032	05-08-15	0.0334
08-05-89	0.2967	05-02-98	0.0099	05-11-06	0.2131	06-08-15	0.0671
09-05-89	0.1457	06-02-98	0.0069	06-11-06	1.0382	07-08-15	0.0820
10-05-89	0.1010	07-02-98	0.0049	07-11-06	0.8211	08-08-15	0.0496
11-05-89	0.0742	08-02-98	0.0035	08-11-06	0.3022	09-08-15	0.0316
12-05-89	0.0454	09-02-98	0.0026	09-11-06	1.8987	10-08-15	0.0210
13-05-89	0.0292	10-02-98	0.0020	10-11-06	1.7499	11-08-15	0.0144
14-05-89	0.0196	11-02-98	0.0091	11-11-06	0.5559	12-08-15	0.0102
15-05-89	0.0513	12-02-98	0.0861	12-11-06	0.2298	13-08-15	0.0073
16-05-89	0.0812	13-02-98	0.2256	13-11-06	0.1150	14-08-15	0.0327
17-05-89	0.1152	14-02-98	0.2626	14-11-06	0.0648	15-08-15	0.0505
18-05-89	0.1570	15-02-98	0.2404	15-11-06	0.0392	16-08-15	0.0861
19-05-89	0.1197	16-02-98	0.1828	16-11-06	0.0364	17-08-15	0.0983
20-05-89	0.3042	17-02-98	0.1063	17-11-06	0.0326	18-08-15	0.0579
21-05-89	0.3452	18-02-98	0.0598	18-11-06	0.0211	19-08-15	0.0363
22-05-89	0.1645	19-02-98	0.2469	19-11-06	0.0141	20-08-15	0.0238
23-05-89	0.0898	20-02-98	0.3088	20-11-06	0.0284	21-08-15	0.0162
24-05-89	0.0538	21-02-98	0.2010	21-11-06	0.4617	22-08-15	0.0132
25-05-89	0.0341	22-02-98	0.1433	22-11-06	0.7113	23-08-15	0.0109
26-05-89	0.0226	23-02-98	0.0768	23-11-06	0.8875	24-08-15	0.0183
27-05-89	0.0155	24-02-98	0.0449	24-11-06	0.6623	25-08-15	0.0224
28-05-89	0.0109	25-02-98	0.0278	25-11-06	0.2611	26-08-15	0.0153
29-05-89	0.0078	26-02-98	0.0264	26-11-06	0.1285	27-08-15	0.0107
30-05-89	0.0057	27-02-98	0.0240	27-11-06	0.0709	28-08-15	0.0564
31-05-89	0.0043	28-02-98	0.0157	28-11-06	0.0424	29-08-15	0.0937
01-06-89	0.0033	01-03-98	0.0105	29-11-06	0.0986	30-08-15	0.0613
02-06-89	0.0025	02-03-98	0.0072	30-11-06	0.9514	31-08-15	0.0381

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
03-06-89	0.0058	03-03-98	0.0051	01-12-06	1.0867	01-09-15	0.0620
04-06-89	0.0083	04-03-98	0.0037	02-12-06	0.4570	02-09-15	0.0710
05-06-89	0.0061	05-03-98	0.0027	03-12-06	0.1991	03-09-15	0.0432
06-06-89	0.0497	06-03-98	0.0020	04-12-06	0.1026	04-09-15	0.0277
07-06-89	0.0812	07-03-98	0.0016	05-12-06	0.0588	05-09-15	0.0184
08-06-89	0.0496	08-03-98	0.0210	06-12-06	0.0360	06-09-15	0.0126
09-06-89	0.0320	09-03-98	0.3333	07-12-06	0.0646	07-09-15	0.0089
10-06-89	0.0312	10-03-98	0.4104	08-12-06	0.0758	08-09-15	0.0064
11-06-89	0.0344	11-03-98	0.1803	09-12-06	0.0451	09-09-15	0.0047
12-06-89	0.0272	12-03-98	0.0928	10-12-06	0.0284	10-09-15	0.0271
13-06-89	0.0185	13-03-98	0.0529	11-12-06	0.0186	11-09-15	0.0460
14-06-89	0.0129	14-03-98	0.0321	12-12-06	0.0619	12-09-15	0.0307
15-06-89	0.0093	15-03-98	0.0204	13-12-06	0.0853	13-09-15	0.0202
16-06-89	0.0068	16-03-98	0.0134	14-12-06	0.2562	14-09-15	0.0405
17-06-89	0.0050	17-03-98	0.0091	15-12-06	0.3045	15-09-15	0.0509
18-06-89	0.0093	18-03-98	0.0063	16-12-06	0.1455	16-09-15	0.0320
19-06-89	0.0138	19-03-98	0.0045	17-12-06	0.0790	17-09-15	0.0275
20-06-89	0.0112	20-03-98	0.0033	18-12-06	0.0468	18-09-15	0.0234
21-06-89	0.0081	21-03-98	0.0024	19-12-06	0.0293	19-09-15	0.0157
22-06-89	0.0059	22-03-98	0.0019	20-12-06	0.0191	20-09-15	0.0109
23-06-89	0.0099	23-03-98	0.0015	21-12-06	0.0129	21-09-15	0.0077
24-06-89	0.0916	24-03-98	0.0339	22-12-06	0.0345	22-09-15	0.0056
25-06-89	0.1333	25-03-98	0.0860	23-12-06	0.0472	23-09-15	0.0041
26-06-89	0.0762	26-03-98	0.1337	24-12-06	0.4029	24-09-15	0.0031
27-06-89	0.0469	27-03-98	0.1252	25-12-06	0.5078	25-09-15	0.0024
28-06-89	0.0983	28-03-98	0.2659	26-12-06	0.2155	26-09-15	0.0019
29-06-89	0.1186	29-03-98	0.3698	27-12-06	0.1879	27-09-15	0.0015

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
30-06-89	0.0689	30-03-98	0.2192	28-12-06	0.1581	28-09-15	0.0027
01-07-89	0.0534	31-03-98	0.1092	29-12-06	0.3464	29-09-15	0.0037
02-07-89	0.0423	01-04-98	0.2389	30-12-06	0.4979	30-09-15	0.0028
03-07-89	0.0278	02-04-98	0.5334	31-12-06	0.4126	01-10-15	0.0021
04-07-89	0.0190	03-04-98	0.4062	01-01-07	0.2629	02-10-15	0.0017
05-07-89	0.0217	04-04-98	0.1816	02-01-07	0.2150	03-10-15	0.0013
06-07-89	0.0224	05-04-98	0.7240	03-01-07	0.1743	04-10-15	0.0011
07-07-89	0.0304	06-04-98	0.7543	04-01-07	0.1072	05-10-15	0.0009
08-07-89	0.0338	07-04-98	0.2850	05-01-07	0.0720	06-10-15	0.0008
09-07-89	0.0226	08-04-98	0.1378	06-01-07	0.0428	07-10-15	0.0007
10-07-89	0.0157	09-04-98	0.0752	07-01-07	0.0268	08-10-15	0.0006
11-07-89	0.0400	10-04-98	0.0447	08-01-07	0.0175	09-10-15	0.0006
12-07-89	0.0543	11-04-98	0.0281	09-01-07	0.0118	10-10-15	0.0006
13-07-89	0.0348	12-04-98	0.0184	10-01-07	0.0081	11-10-15	0.0005
14-07-89	0.0233	13-04-98	0.0276	11-01-07	0.0057	12-10-15	2.5815
15-07-89	0.0161	14-04-98	0.0317	12-01-07	0.0042	13-10-15	2.2953
16-07-89	0.0114	15-04-98	0.0237	13-01-07	0.0031	14-10-15	0.5706
17-07-89	0.0082	16-04-98	0.0182	14-01-07	0.0023	15-10-15	0.2327
18-07-89	0.0061	17-04-98	0.0123	15-01-07	0.0018	16-10-15	0.1154
19-07-89	0.0046	18-04-98	0.0085	16-01-07	0.0014	17-10-15	0.0645
20-07-89	0.0291	19-04-98	0.0061	17-01-07	0.0012	18-10-15	0.0387
21-07-89	0.0481	20-04-98	0.0044	18-01-07	0.0010	19-10-15	0.0244
22-07-89	0.0312	21-04-98	0.0033	19-01-07	0.0008	20-10-15	0.0160
23-07-89	0.0210	22-04-98	0.0025	20-01-07	0.0007	21-10-15	0.0108
24-07-89	0.0146	23-04-98	0.1678	21-01-07	0.0007	22-10-15	0.0075
25-07-89	0.0179	24-04-98	1.0419	22-01-07	0.0006	23-10-15	0.0053
26-07-89	0.0193	25-04-98	1.3662	23-01-07	0.0006	24-10-15	0.0038

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
27-07-89	0.0134	26-04-98	0.7159	24-01-07	0.0005	25-10-15	0.0029
28-07-89	0.0096	27-04-98	0.2759	25-01-07	0.0005	26-10-15	0.0022
29-07-89	0.0070	28-04-98	0.1348	26-01-07	0.0005	27-10-15	0.0017
30-07-89	0.0052	29-04-98	0.0742	27-01-07	0.0005	28-10-15	0.0013
31-07-89	0.0659	30-04-98	0.0444	28-01-07	0.0005	29-10-15	0.0011
01-08-89	0.1097	01-05-98	0.0282	29-01-07	0.0005	30-10-15	0.0009
02-08-89	0.0646	02-05-98	0.0188	30-01-07	0.0005	31-10-15	0.0183
03-08-89	0.0406	03-05-98	1.1857	31-01-07	0.0005	01-11-15	0.0345
04-08-89	0.0267	04-05-98	1.8097	01-02-07	0.0005	02-11-15	0.0221
05-08-89	0.1893	05-05-98	1.1801	02-02-07	0.0005	03-11-15	0.0146
06-08-89	0.3944	06-05-98	0.6192	03-02-07	0.0005	04-11-15	0.0100
07-08-89	0.2739	07-05-98	0.3717	04-02-07	0.0016	05-11-15	0.0070
08-08-89	0.1392	08-05-98	0.2557	05-02-07	0.0030	06-11-15	0.0050
09-08-89	0.0791	09-05-98	0.1279	06-02-07	0.0023	07-11-15	0.0036
10-08-89	0.0485	10-05-98	0.0724	07-02-07	0.0017	08-11-15	0.0027
11-08-89	0.0503	11-05-98	0.0992	08-02-07	0.0014	09-11-15	0.9041
12-08-89	0.0479	12-05-98	0.6587	09-02-07	0.0011	10-11-15	1.1547
13-08-89	0.0310	13-05-98	0.6847	10-02-07	0.0009	11-11-15	0.4190
14-08-89	0.0208	14-05-98	0.2724	11-02-07	0.0008	12-11-15	0.1853
15-08-89	0.0144	15-05-98	0.1347	12-02-07	0.0007	13-11-15	0.0960
16-08-89	0.0200	16-05-98	0.0758	13-02-07	0.0006	14-11-15	0.2655
17-08-89	0.0227	17-05-98	0.0460	14-02-07	0.0006	15-11-15	1.4879
18-08-89	0.0174	18-05-98	0.0295	15-02-07	0.0006	16-11-15	3.7363
19-08-89	0.0136	19-05-98	0.0196	16-02-07	0.0005	17-11-15	2.3814
20-08-89	0.0097	20-05-98	0.0135	17-02-07	0.0005	18-11-15	0.7820
21-08-89	0.0071	21-05-98	0.0095	18-02-07	0.0005	19-11-15	0.2913
22-08-89	0.0052	22-05-98	0.0068	19-02-07	0.0005	20-11-15	0.1396

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
23-08-89	0.0044	23-05-98	0.0050	20-02-07	0.0005	21-11-15	0.0757
24-08-89	0.0048	24-05-98	0.0038	21-02-07	0.0005	22-11-15	0.0448
25-08-89	0.0141	25-05-98	0.0029	22-02-07	0.0005	23-11-15	0.0758
26-08-89	0.0525	26-05-98	0.0022	23-02-07	0.0005	24-11-15	0.0863
27-08-89	0.0631	27-05-98	0.0018	24-02-07	0.0005	25-11-15	0.0503
28-08-89	0.0395	28-05-98	0.0014	25-02-07	0.0012	26-11-15	0.0311
29-08-89	0.0259	29-05-98	0.0012	26-02-07	0.0026	27-11-15	0.0201
30-08-89	0.0176	30-05-98	0.0010	27-02-07	0.0024	28-11-15	0.0134
31-08-89	0.0123	31-05-98	0.0009	28-02-07	0.0132	29-11-15	0.0136
01-09-89	0.0088	01-06-98	0.0141	01-03-07	0.0219	30-11-15	0.0131
02-09-89	0.0064	02-06-98	0.4290	02-03-07	0.0161	01-12-15	0.0413
03-09-89	0.0047	03-06-98	0.5478	03-03-07	0.0121	02-12-15	0.0573
04-09-89	0.0389	04-06-98	0.2331	04-03-07	0.0083	03-12-15	0.0345
05-09-89	0.0646	05-06-98	0.1195	05-03-07	0.0058	04-12-15	0.0218
06-09-89	0.0401	06-06-98	0.0688	06-03-07	0.0042	05-12-15	0.0142
07-09-89	0.0260	07-06-98	0.0425	07-03-07	0.0031	06-12-15	0.0096
08-09-89	0.0243	08-06-98	0.0275	08-03-07	0.0023	07-12-15	0.0086
09-09-89	0.0389	09-06-98	0.0185	09-03-07	0.0018	08-12-15	0.0130
10-09-89	0.0397	10-06-98	0.0128	10-03-07	0.0014	09-12-15	0.0180
11-09-89	0.0258	11-06-98	0.0091	11-03-07	0.0668	10-12-15	0.0156
12-09-89	0.0375	12-06-98	0.0066	12-03-07	0.2832	11-12-15	0.0104
13-09-89	0.0423	13-06-98	0.0049	13-03-07	0.2630	12-12-15	0.0072
14-09-89	0.0273	14-06-98	0.0037	14-03-07	0.1279	13-12-15	0.0090
15-09-89	0.0183	15-06-98	0.0028	15-03-07	0.0698	14-12-15	0.0097
16-09-89	0.0126	16-06-98	0.0022	16-03-07	0.0414	15-12-15	0.1568
17-09-89	0.0089	17-06-98	0.0028	17-03-07	0.0259	16-12-15	0.2352
18-09-89	0.0134	18-06-98	0.0031	18-03-07	0.0169	17-12-15	0.1804

Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s	Date	Flow m^3/s
19-09-89	0.0158	19-06-98	0.0024	19-03-07	0.0113	18-12-15	0.1418
20-09-89	0.0110	20-06-98	0.0019	20-03-07	0.0102	19-12-15	0.0757
21-09-89	0.0079	21-06-98	0.0016	21-03-07	0.0090	20-12-15	0.0442
22-09-89	0.0057	22-06-98	0.0013	22-03-07	0.0063	21-12-15	0.0273
23-09-89	0.0042	23-06-98	0.0016	23-03-07	0.0045	22-12-15	0.0176
24-09-89	0.0032	24-06-98	0.0066	24-03-07	0.0033	23-12-15	0.0117
25-09-89	0.0025	25-06-98	0.0101	25-03-07	0.0025	24-12-15	0.0096
26-09-89	0.0019	26-06-98	0.0073	26-03-07	0.0042	25-12-15	0.0080
27-09-89	0.0016	27-06-98	0.0053	27-03-07	0.0054	26-12-15	0.0056
28-09-89	0.0013	28-06-98	0.0072	28-03-07	0.0039	27-12-15	0.0045
29-09-89	0.0231	29-06-98	0.0083	29-03-07	0.0029	28-12-15	0.0073
30-09-89	0.0486	30-06-98	0.0060	30-03-07	0.0022	29-12-15	0.0086
				31-03-07	0.0017	30-12-15	0.0060
						31-12-15	0.0042