

वार्षिक जल पुस्तिका
WATER YEAR BOOK

(जून 2018 – मई 2019)
(JUNE 2018– MAY 2019)

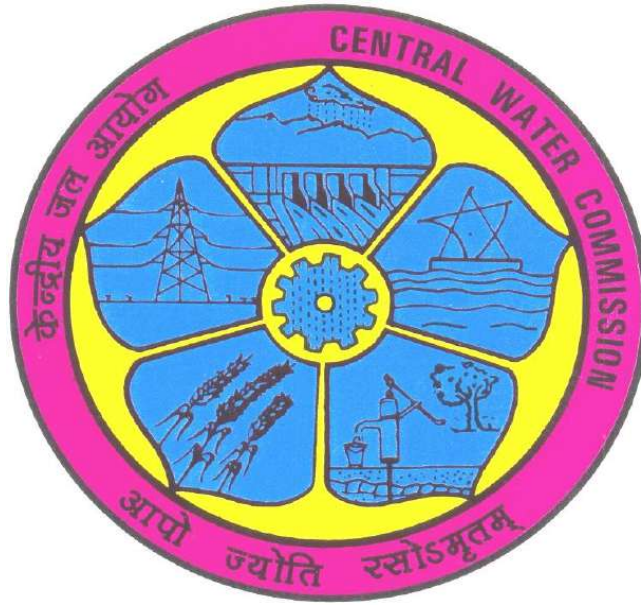
कावेरी बेसिन
CAUVERY BASIN

खंड- I, नदी प्रवाह एवं निलंबित गाद आँकड़ा
Volume-I, Stream Flow & Suspended Sediment Data



कावेरी एवं दक्षिणी नदियाँ परिमण्डल, बेंगलूरु
CAUVERY & SOUTHERN RIVERS CIRCLE, BENGALURU
कावेरी एवं दक्षिणी नदियाँ संगठन, कोयंबतूर
CAUVERY & SOUTHERN RIVERS ORGANISATION, COIMBATORE
मार्च 2020
MARCH - 2020

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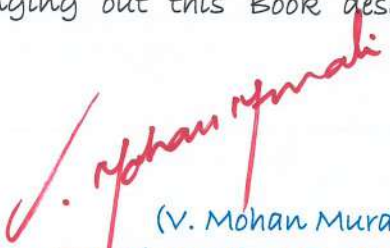
PREFACE

Water is a precious natural resource with almost fixed quantum of availability. Fresh water has been becoming a scarce commodity day by day in whole world. It's planning and optimal utilization calls for a well developed Data Bank and maintenance of the Data Bank by regular updation. The Central Water Commission under the Union Ministry of Water Resources, River Development and Ganga Rejuvenation besides being an apex body on Water Resources Sector, has been maintaining a vast system of Hydrological data collection network in different River Basins in India. The collected Hydrological data is being published every water year on basin wise for the benefit of users. This book pertains to the data of Cauvery Basin under the states of Karnataka, Kerala, Tamil Nadu and Puducherry.

With the advent of computerisation of the data, the format of publishing the Water Year Book has also undergone lot of changes. As per the revised format, the Water Year Book is being published in Two Volumes, Volume-I containing the Stream Flow and Suspended Sediment Data and the Volume-II containing the Water Quality Data. The Book presented here contains the Stream Flow and the Suspended Sediment data in Volume-I for the Water Year 2018-19.

The efforts made by the Cauvery Division, Bengaluru, South Western Rivers Division, Kochi, Southern Rivers Division, Coimbatore, and Hydrology Division, Chennai under this Circle in bringing out this Book deserves appreciation.

Bengaluru
March 2020.


(V. Mohan Murali)
Superintending Engineer
Cauvery & Southern Rivers Circle

प्रस्तावना

जल लगभग तय मात्रा में उपलब्धता के साथ एक कीमती प्राकृतिक संसाधन है। ताजा पानी पूरी दुनिया में दिन-ब-दिन एक दुर्लभ वस्तु बन गया है। यह योजना है कि जल संसाधनों का इष्टतम उपयोग के लिए एक अच्छी तरह से विकसित डाटा बैंक हो और नियमित रूप से डाटा बैंक का अद्यतन किया जाना चाहिए। जल संसाधन, नदी विकास और गंगा संरक्षण मंत्रालय के अंतर्गत केन्द्रीय जल आयोग जल संसाधन क्षेत्र के शीर्ष मंत्रालय के निकाय होने के अलावा भारत के विभिन्न नदी घाटियों का हाइड्रोलॉजिक डाटा संग्रह का एक विशाल नेटवर्क प्रणाली बनाये रखा है। एकत्रित हाइड्रोलॉजिक डाटा का प्रकाशन प्रत्येक जल वर्ष पुस्तक में बेसिन क्रम में उपयोगकर्ताओं के लाभ के लिए किया जाता है। इस पुस्तक में कर्नाटक केरल, तमिलनाडु तथा पुडुचेरी राज्यों के अंतर्गत कावेरी बेसिन का डाटा है।

डाटा के कम्प्यूटरीकरण के आगमन से जल वर्ष पुस्तक के प्रकाशन प्रारूप में बहुत परिवर्तन आया है। संशोधित प्रारूप के अनुसार जल वर्ष पुस्तक दो संस्करणों में प्रकाशन हो रहा है। प्रथम संस्करण में धारा प्रवाह तथा निलंबित तलछट डाटा और द्वितीय संस्करण में जल गुणवत्ता डाटा के साथ प्रकाशित किया जा रहा है। 2018-19 के जल वर्ष पुस्तक के प्रथम संस्करण में धारा प्रवाह तथा निलंबित तलछट डाटा शामिल है।

इस परिमंडल के अंतर्गत कावेरी मंडल बेंगलुरु, दक्षिण पश्चिमी नदियाँ मंडल कोच्ची, दक्षिणी नदियाँ मंडल कोयंबतूर, तथा जल विज्ञान मंडल चेन्नई के प्रयासों से इस पुस्तक का प्रकाशन हुआ सभी प्रशंसा के हकदार है।

बेंगलुरु
मार्च, 2020

वू. मोहन मुरलि
(वू. मोहन मुरलि)
अधीक्षण अभियंता

कावेरी एवं दक्षिणी नदियाँ परिमंडल

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CAUVERY BASIN

1.0 BASIN DESCRIPTION

1.1 GEOGRAPHICAL DESCRIPTION OF THE BASIN

The River Cauvery originates at Talakaveri in Coorg District of Karnataka in Brahmagiri Range of hills in the Western ghats at an elevation of 1341 m. (above MSL) and drains a total area of 81,155 Sq.Kms. of which 34,273 Sq.Kms lies in Karnataka, 43,856 Sq.Kms. in Tamil Nadu, 2,866 Sq.Kms. in Kerala and 160 Sq.Kms in Union Territory of Pondicherry. The Cauvery basin is bounded by Tungabhadra sub-basin of Krishna basin on the Northern side and Vaigai basin on the Southern side. The Western ghats form the Western boundary. The Nilgiris, an offshore of Western ghats, extend Eastwards to the Eastern ghats and divide the basin into two natural and political regions i.e., Karnataka plateau in the North and the Tamil Nadu plateau in the South. In Tamil Nadu, the Eastern part of the basin is in the elevation range of 0 to 150 m sloping gently up from the sea.

In the initial reaches of the Basin there are four important reservoirs namely 1) Harangi , 2) Hemavathi, 3) Kabini and 4) Krishnaraja Sagara. In the reaches downstream of Krishnaraja Sagara, at Shivanasamudram, the river branches off into two parts and falls through a height of 91 m. in a series of falls and rapids. The falls at this point is utilized for power generation. The power station at Shivanasamudram was built in as early as 1902. The two branches of the river join after the fall and flow through a wide gorge, which is known as "Mekedatu" (Goats leap) and continues its journey to form the boundary between Karnataka and Tamil Nadu States for a distance of 64 Kms. At Hogenakkal Falls, it takes southerly direction and enters the Mettur Reservoir which was constructed in 1934. A tributary called Bhavani joins Cauvery on the Right bank about 45 Kms below Mettur Reservoir. Thereafter it takes easternly course to enter the plains of Tamil Nadu. Two more tributaries Noyyal and Amaravathi join on the right bank and here the river widens with sandy bed and flows as "Akhandha Cauvery".

Immediately after crossing Tiruchirapalli district, the river divides into two parts, the Northern branch being called "The Coleroon" and Southern branch remains as Cauvery and from here the Cauvery Delta begins. After flowing for about 16 Kms, the two branches join again to form "Srirangam Island". On the Cauvery branch lies the "Grand Anicut" said to have been constructed by a Chola King in 2nd Century A.D. Below the Grand Anicut, the Cauvery branch splits into two, Cauvery and Vennar. These branches divide and sub-divide into small branches and form a network all over the delta. A brief description of the delta in the Karaikal region is given separately under para-1.2.1. The total length of the river from the origin to its outfall into the sea is 800 Kms. of which 320 Kms. is in Karnataka, 416 Kms. in Tamil Nadu and 64 Kms. forms the common border between the Karnataka and Tamil Nadu states. The Cauvery basin is fan shaped in Karnataka and leaf shaped in Tamil Nadu. The run-off does not drain off quickly because of its shape and therefore no fast rising floods occur in the basin.

There are **52** Nos. of Hydrological Observation Stations and **27** Nos. of Rainfall Stations in the basin being operated by CWC, out of which 7

Hydrological Observation stations and 5 Rainfall stations are under Karaikal Delta region. A basin map showing all these stations is enclosed as **Plate-I**. The details of classification of these sites are mentioned in the **Annexure-I**. A Tree Structure showing the Sites in Basin is also enclosed as **Annexure-II**.

There are 57 Nos. of Hydrological Observation sites being operated by State Government of Karnataka, Tamil Nadu & Kerala shown in **Plate No.II**. The details are indicated in **Annexure-III**.

Regarding the Rainfall Stations in this Basin, apart from 27 Rainfall Stations operated by CWC, there are another 153 Rainfall Stations operated by concerned State Governments spreading over the states of Karnataka, Tamil Nadu & Kerala. Further, there are 8 more Rainfall stations operated by India Meteorological Department (IMD). A Basin map indicating the location of Rainfall Stations operated by State Governments and IMD is enclosed as **Plate – III**. The details are mentioned in **Annexure-IV**.

1.2 DESCRIPTION OF THE RIVER SYSTEM

The Cauvery river system consists of 21 principal tributaries each with Catchment Area exceeding 250 Sq.Kms. The largest of all of them are the Catchment Area Shimsha, lying wholly in Karnataka, the Amaravathi rising in Kerala but lying mostly in Tamil Nadu and the Kabini rising in both Kerala and Tamil Nadu but lying mostly in Karnataka. The Bhavani is the fourth largest and the second longest. Bhavani River originates from Nilgiri hills of the Western Ghats, enters the Silent Valley National Park in Kerala and flows back towards Tamil Nadu. The longest tributary, the Hemavathi (245 Kms.) is the fifth largest in Catchment Area and lies wholly in Karnataka.

From the point of view of flow contribution to the system, apart from the head reach of the Cauvery main, the most important tributaries are i) the Hemavathi, ii) the Kabini and iii) the Bhavani and are briefly described below.

The Hemavathi

The Hemavathi rises in the Western ghats and runs South-East. After a stream from the West joins it, it turns East, receiving the Yagachi from the North. It then winds round Holenarasipur and runs South to the Cauvery near Yedatore.

The Kabini

The Kabini is an important tributary of the Cauvery. It is a perennial river, 150 to 200 M. wide and has a course of about 240 Kms. It rises in the Western ghats in North Wynad in Kerala State as two streams i.e. the Mannantoddypuzha and Panamarampuzha. About 16 Kms. below their confluence, the Kabini forms border between Kerala and Karnataka for about 12 Kms. before entering Karnataka state. It joins the Cauvery at Tirumakudalu Narasipur (T.N.Pur) and this confluence point is being considered as a spot of great sanctity. The confluence point is also called as “Triveni Sangama”.

The Bhavani

The Bhavani is a 217-kilometer long perennial river and it originates from Nilgiri hills of the Western Ghats fed mostly by the southwest monsoon and supplemented by the northeast monsoon. Its watershed drains an area of

0.62 million hectares spread over Tamil Nadu (87%), Kerala (9%) and Karnataka (4%). The main river courses majorly through Coimbatore district and Erode district in Tamil Nadu.

BRIEF REPORT ON DISTRIBUTARIES OF CAUVERY DELTA IN KARAIKAL REGION

There are mainly 7 distributaries from the river Cauvery in delta region that contributes the flow for the Karaikal area which are as follows:

1. Nandalar
2. Nattar
3. Vanjiyar
4. Noolar
5. Arasalar
6. Thirumalairajanar
7. Puravadaiyanar

All the distributaries in the region are non-perennial and flow is mainly due to Cauvery release during June to January. No considerable flow occurs due to South-West monsoon. For most of the months in the year, the flows available are the releases/regulated flows from upper regulators maintained by Tamil Nadu. Central Water Commission has set up Hydrological Observation stations on all these distributaries and Gauge & Discharge observations are being taken regularly.

1.3 CLIMATIC CHARACTERISTICS

Climate

In the Cauvery basin, four distinct seasons occur. They are i) Cold Weather, ii) Hot weather, iii) South-West Monsoon, and iv) North-East Monsoon.

In the cold season, the Western ghat is cooler than the rest of the basin and the climate is generally pleasant. In the hot weather season, the Central, Northern and Eastern regions are hotter than the Western most parts. The South-West monsoon sets by middle of June and ends by middle of September. During this season the basin receives major rainfall. The North-East monsoon is from October to December and is important particularly to Eastern part i.e. Tamil Nadu.

Temperature

The basin has a tropical climate. In the Upper reaches i.e., Kerala and Karnataka, the variation in temperature is very small. The mean temperature (Mean of Max. and Min.) in Kerala is below 20°C and in Karnataka it ranges between 20°C to 26°C. The mean temperature in Tamil Nadu is between 26° C to 30° C.

Rainfall

The basin is mainly influenced by South-West monsoon in the Karnataka & Kerala and North-East monsoon in Tamil Nadu. The normal annual rainfall in Kerala region is about 2400 mm. In the Western ghats it ranges from 3800 mm to 1700 mm. In Karnataka, the average rainfall is between 600 mm to 800 mm. resulting into Semi-arid condition. In Tamil Nadu, the average rainfall is low ranging from 500 mm to 1000 mm and is semi-arid. Most of the parts in Tamil Nadu receive rainfall from the North-East Monsoon.

Evaporation

As per the evaporation data observed by India Meteorological Department and Government of Karnataka, the mean annual evaporation is in the order of 150 cm to 260 cm. in Karnataka state and is about 250 cm. in Tamil Nadu part of the basin. The mean daily evaporation varies from 4 mm to 6 mm increasing from East to West during January. The mean daily evaporation is increasing from North-West to South-East being about 8 to 9 mm in July and 5 to 6 mm in October. The mean annual evaporation is about 2500 mm.

1.4 GEOLOGY

The area falling in the Cauvery basin mainly comprises of Igneous and Metamorphic rocks of Pre Cambrian age, either exposed or covered by this mantle of residual and transported soils. The main component rock types are Dharwar Seluists, Granites and granitic gneisses and chromites. The Manjrabad area of Hassan district in Karnataka rests on the border of Western ghats and comprises some of the most beautiful scenery in the Karnataka state. The hills forming the Western limits of the district extend from the past at the "Bisley Ghat" to the "Jenkle Betta" and includes peaks like "Puspagiri" or "Subramanya" close to the South-West border rising to a height of 1715 m. Besides Jenkle betta at 1389 m, Devara Betta raises to a height of 1282 m. and Murukanagudda at 1300 m. Also Indra betta in Hassan district is 1020 m high and is noted for 52 feet colossal statue of "Gommateshwara" on its summit. The Melkote range forms a series of conspicuous hills marked by trigonometrical status (Melokota peak) and these are composed of pink to light grey granite gneisses. Intruding all the rocks are several felsites and porphyry dykes. The porphyry dykes are situated in the neighborhood of Mysore city. The delta area in Tamil Nadu is underlain by formation of Quarternary, Tertiary and Cretaceous age. In the Western parts of the basin there are igneous and metamorphic rocks of Archaean age.

1.5 DESCRIPTION OF WATER STORAGE/DIVERSION STRUCTURES

There are about **22** Major and Medium Irrigation Projects in Karnataka and **24** in Tamil Nadu. Besides the above, there are series of 10 masonry Anicuts constructed across the main Cauvery River and some of its tributaries in Tamil Nadu. A Basin Map showing the locations of the projects is enclosed as **Plate – IV** and the list of the completed / on-going projects is given as **Annexure – V**. These Irrigation systems have been in operation prior to 1900 A.D. The areas getting benefited from these channels in Karnataka lie mainly in Mysore, Mandya and Hassan districts and to a small extent in Kodagu and Bangalore districts.

The irrigation to an extent of 77,172 hectares is confined to a narrow stretch hugging the banks of the river. Large areas in Tanjore and Tiruchirapalli districts of Tamil Nadu are benefited through the canal system taking off from Grand Anicut and Upper Anicut. The Grand Anicut, which was constructed around 2nd Century A.D, is considered to be an engineering marvel of ancient India.

2 STREAM FLOW DATA

2.1 METHODOLOGY

The standard method being adopted at all the sites for collecting the data is explained briefly as under:

Three lines of staff gauges are maintained at all the sites for observing water levels and surface slope. All these levels are connected to GTSBM value. The Water Level at Central Gauge line is used for arriving at a Stage-Discharge relationship at each site.

Velocities are recorded by using current meters as per IS:3918-1966 (reaffirmed -2001) by boat with cable way or with outboard engine at higher stages and by wading at lower stages. Where the facility of boats is not available, Discharge measurements are carried out from the nearby bridges.

Observed data at the field station is entered / computed in different formats prescribed for the purpose and later processed at various levels using SWDES and HYMOS Softwares before publishing in the Water Year Book.

On the days when the discharge observations are not conducted due to holidays or any other reasons, the same have been estimated from the established Stage- Discharge curve of the site of the current year against 0800Hrs stage. Some of the observations, which do not fall within the established curve due to some errors in observation or wind effect etc., are discarded and discharges are again estimated from the established Stage-Discharge curve against 0800Hrs stage.

2.2 DATA AVAILABILITY

As already mentioned, Central Water Commission is conducting Hydrological Observations at **35** stations spread over Four states of Karnataka, Kerala, Tamil Nadu and Pondicherry. Daily discharge data collected at these **35** sites for the year 2017-18 has been finalized and presented in this volume in the form of Water Year Book.

The Data presented in this book has been collected by the four Divisions viz., Cauvery Division, Bangalore; Southern Rivers Division, Coimbatore; Hydrology Division, Chennai and South-Western Rivers Division, Kochi.

2.3 EXPLANATORY NOTES

The explanatory notes described here under are designed to assist in the interpretation of Hydrological Parameters contained in the data presented subsequently. The notes are, therefore valid in so far as the data presented in this book is concerned.

- i) Water Year ranges from June 1st of one calendar year to May 31st of the next calendar year and covers one complete Hydrological Cycle.
- ii) Discharge is given in Cubic meters per second (Cumecs).
- iii) Discharges given are daily observed discharges commencing at 08.00 hrs.
- iv) Discharge indicated with asterisk (*) mark is the estimated discharge corresponding to stage at 08.00Hrs. and the Discharge indicated with (#) mark is the discarded and estimated discharge corresponding to stage at 08.00 Hrs.
- v) The ZERO R.L. of a gauge (ZOG) is a datum level fixed for a given site, which is generally kept 1 m or 2 m lower than the lowest water level recorded in a perennial stream. In a non-perennial stream, it is kept 1 m or 2 m lower than the lowest bed level of the stream.
- vi) Discharges are rounded off to :
 - a) Nearest full integer when more than 1000
 - b) Nearest first decimal figure when between 100-999.
 - c) Nearest two decimal figure when between 10-99.
 - d) Nearest three decimal figure when less than 10.
- vii) Maximum and Minimum discharge are taken from daily observed/estimated discharge.
- viii) Run off in mm is the notional depth of water in millimeters over the catchments, equivalent to annual runoff calculated at the discharge measurement station. It is computed using the relation:

$$\text{Run off (mm)} = \frac{\text{Annual runoff (M.Cum)}}{\text{Catchment Area (in Km}^2\text{)}} \times 1000$$
- IX) Peak and lowest flow correspond to the highest and lowest Water Levels recorded during the period of record.
- X) Measuring Authority refers to the field division responsible for the Operation of the Hydrological Observation Stations.
- XI) The Observation Station Code Number is a unique seven-column alpha-numeric reference number, which facilitates storage and retrieval of flow data in data bank. The first column is identifier of either an integral river basin or for convenience a region having several continuous river catchments. This is followed by a column that identifies an independent river system, which either have one or more outlets to the sea or

crosses international border to enter another country. The third, fourth and fifth column spaces denote first, second and third order tributaries respectively from the mouth upstream. The sixth and seventh column spaces indicate the location of the Gauging Station in one of 225 slots earmarked on the river. The blank column spaces are filled by zero.

3 HYDROLOGICAL DATA

3.1 HISTORY SHEET

The History sheets enclosed give the description of the Hydrological Observation Stations such as Site name, Zero of Gauge, State, District, River basin, Catchment Area, Latitude/Longitude, Etc.,. Peak / Minimum Discharges and the corresponding water levels right from the inception of the site up to the Previous Water Year are also shown. However, the run-off, Maximum and Minimum flows of the current Water Year are shown at the end of Data Sheet.

3.2 DATA SHEET

In this sheet the observed/estimated daily Stage-Discharge tables are shown month-wise together with Ten-Daily, Monthly and Annual summaries. Graphs of Water Level v/s Time showing three highest flood peaks that occurred during the current water year are also generated and included in the Year Book.

3.3 CHARTS/MAPS

The year wise total Annual Run-Offs of the site from the year of inception up to the current year are reflected in the bar charts. Further, the Histogram/Hydrograph of monthly average discharge values are depicted in two separate pie charts one for the current Water Year and the other for all the Water Years from year of inception up to the previous Water Year. The Pre-monsoon and Post-monsoon Cross Sections of each Site are also inserted wherever available.

4 SEDIMENT DATA

There are **20** Sediment observations Stations under this Basin and the Sediment data of all the 20 sites has been collected during the Year. The Sediment Data of all the 20 sites has been included in this Water Year Book. Bed Material Data of **18** sites has also been included. There is no Bed Material data in respect of sites Urachikottai & Nellithurai due to rocky bed.

4.1 SOURCE OF INFORMATION

Suspended Sediment observation stations for which data for 2017-18 is presented in this volume are maintained by the i) Hydrology Division, Chennai ii) Southern rivers Division, Coimbatore iii) South Western Rivers Division, Kochi and iv) Cauvery Division , Bangalore and the names of the stations are given below:

4.1.1

HYDROLOGY DIVISION, CHENNAI

1. Thirumalairajanar at Thengudi

SOUTHERN RIVERS DIVISION, COIMBATORE

1. Cauvery at Musiri	2. Amaravathi at Nallamaranpatti
3. Noyyal at E-Mangalam	4. Cauvery at Kodumudi
5. Bhavani at Savandapur	6. Moyar at Thengumarahada
7. Bhavani at Nellithurai	8. Cauvery at Urachikottai
9. Palar at Kudlur	10. Cauvery at Biligundulu

CAUVERY DIVISION, BANGALORE

1. Arkavathi at T.Bekuppe	2. Cauvery at Kudige
3. Shimsha at T.K.Halli	4. Cauvery at Kollegal
5. Kabini at T.Narasipur	6. Hemavathi at Akkihebbal
7. Hemavathi at M.H.Halli	8. Hemavathi at Sakleshpur

SOUTH WESTERN RIVERS DIVISION, KOCHI

1. Kabini at Muthankera

4.1.2 OBSERVATION TECHNIQUE

Suspended sediment observations are conducted daily along with the discharge observations.

Sampling is done from boat or by wading. The Punjab type bottle sampler is used for collecting sediment samples. The sediment samples collected from flowing channels are analysed for the three grades of sediment viz. Coarse, Medium and Fine. Coarse and Medium grades are separated by sieving using standard sieves of 212 microns and 75 microns respectively and Fine grade sediment by filtration. Grade wise concentration is determined by gravimetric method.

Samples are generally collected at 0.6 depth from various verticals along the cross section of the river. These verticals are grouped into three or more composite sections for the purpose of analysis of Coarse and Medium grades of sediment. For Fine grade, the sediment samples, after removing the Coarse and Medium grade are combined into a single group and analysed. Selection of the composite sections is done in such a way so as to ensure that the discharges through each of the composite sections are nearly equal.

4.1.3 CLASSIFICATION OF SEDIMENT

Sediment is classified as Coarse, Medium and Fine according to the diameter as indicated below:

Coarse : Sediment above 0.20 mm diameter

Medium : Sediment between 0.20 and 0.075 mm diameter

Fine : Sediment below 0.075 mm diameter

The values given in the daily sediment data sheets are observed values. For non-observed days the values are either taken from Discharge – Sediment Curves or from neighborhood values.

4.2 METHOD OF PRESENTATION

The various data tables presented are generated from the validated SWDES Data base through SWDES software. Some of the features of the tables generated are briefly explained as below:

4.2.1 When the sediment samples analyzed give non-measurable sediment, it is presumed to be of “nil” value and recorded accordingly. The Table of Annual Sediment Load along with the season-wise Sediment Loads for the period from the Date of inception up to the Last Year is generated. A bar Chart for the same but including the Sediment load for current year is also generated separately. Separate tables showing Daily observed sediment data & Pie Charts are also generated.

5.0 BED MATERIAL DATA

The Bed Material Survey and Analysis data used to be published separately as Bed material analysis data book till the year 1990. Since Bed material survey and analysis work also form a part of the sediment observation work, it was decided to publish the Sediment data and the Bed material survey and analysis data in a single volume from the year 1990-91 onwards. With the revision of format of Water Year Book, the Sediment and Bed Material data is included with Water Year Book itself from 2006-07 onwards.

5.1 OBSERVATION TECHNIQUES

Bed material survey is conducted at the station gauge line three times in a Water Year i.e during Monsoon, Post monsoon and Pre-monsoon seasons. Samples at the required intervals from the dry as well as the flowing part of the river bed are collected and the river cross section on the date of survey is also taken. Sampling segments are fixed as per the standard requirements, subject to a minimum of three samples. Samples from the flowing channel are collected by means of a scoop type bed material sampler. For the dry part, the bed is cleared off the vegetation etc. by removing about 10 to 15 cm. of the top layer with a scraper and a suitable pit of about 30 to 40 cm. is dug out and representative samples are collected. These samples are reduced to the required quantity by the cone and quartering process. The samples thus reduced are put into polythene covers and packed into thick cloth bags. The cloth bags are then labeled with the relevant particulars of the river and the samples are sent to the divisional laboratory for analysis.

5.2 THE ANALYSIS

The bed material samples are analyzed at the divisional laboratory for the particles size distribution in two stages. First, the sample is weighed and then placed in the top 40.0 mm dia. sieve of a set of Sieves having diameter ranging from 0.6 mm to 40 mm. Shaking the Sieve is done with the help of a mechanical Sieve Shaker. After 10 to 15 minutes of shaking, the material retained in each Sieve is collected and weighed. The total weight of various fractions must be equal to the initial weight of the sample used for analysis. The material passing through the last 0.6 mm dia. sieve is again analyzed by means of the Puri's Siltometer. From the result of the above analysis, Summation Curves are drawn as per the standard procedure and the mean diameter of each example is worked out. From this the Silt Factor can be calculated using the formula $f = 1.76 \sqrt{m}$ where 'm' is the mean diameter of the sample in mm. The mean diameter of the sample, maximum diameter of the sample, details of the sample collected and the general data of the river are furnished in this publication.

DATA OF THE SAMPLE COLLECTED

In the data of the sample collected, the RD from which the sample is collected, RL of dry bed (in case sample is collected from dry bed), RL of bed level (in case sample is collected from flowing channel), Water level, Depth of water, Segment width, Velocity at the RD and the Segment discharge on the date of sampling are furnished.

5.2.2 GENERAL DATA OF RIVER

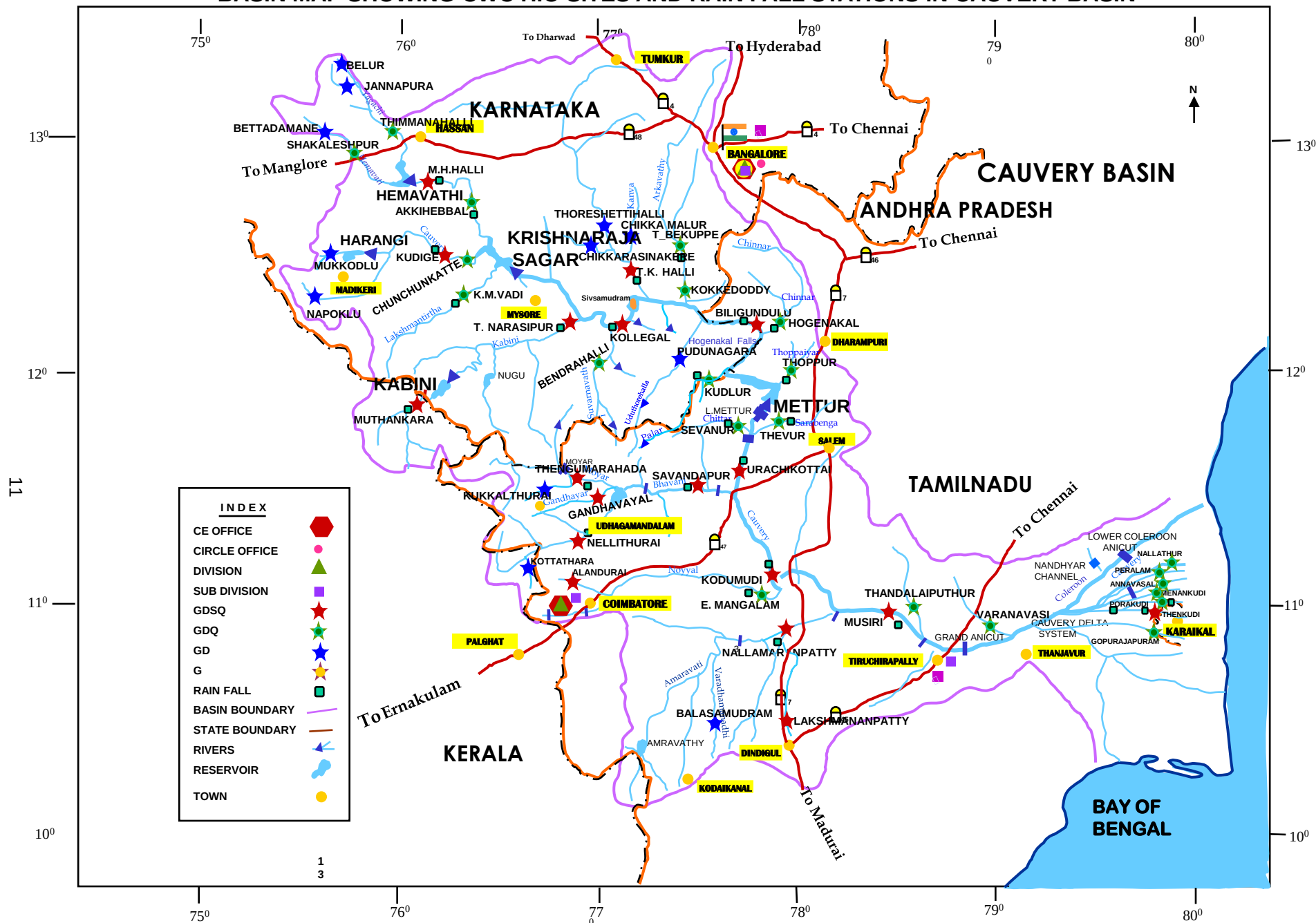
In the general data of the river the Hydraulic mean depth, Mean velocity, Surface water slope and the discharge on the date of sampling etc. are shown.

5.2.3 BED MATERIAL COMPOSITION

Under bed material composition, the maximum size and mean size of each sample and also the maximum size and the mean size for the entire cross section for each season are recorded. The minimum size for each sample has been assumed as 0.06 mm. since this has been observed uniformly in every sample.



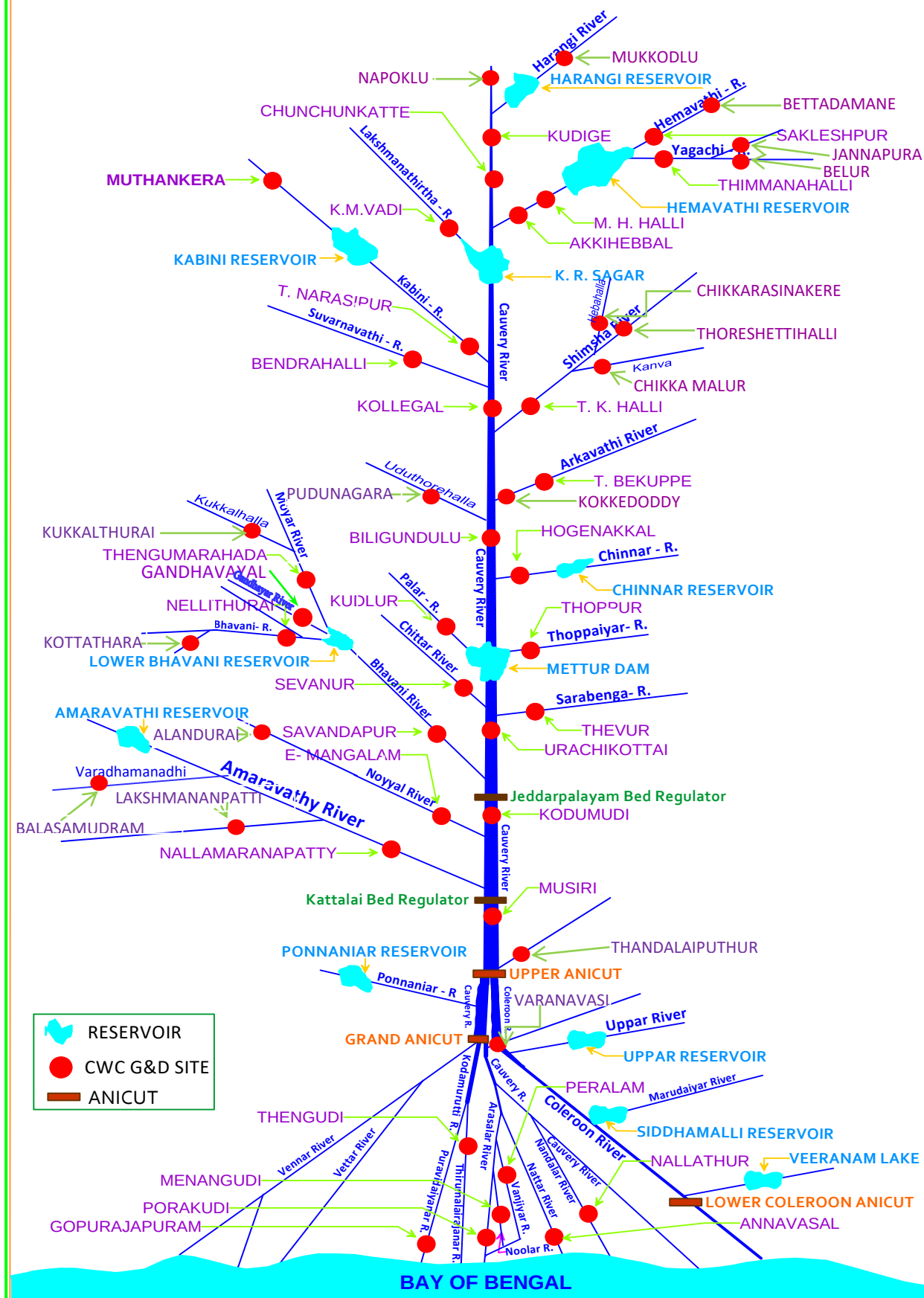
BASIN MAP SHOWING CWC H.O SITES AND RAIN FALL STATIONS IN CAUVERY BASIN



STATEMENT SHOWING HO SITES IN CAUVERY BASIN			
Sl No.	Name of the site	River Name	Type
1	GOPURAJAPURAM	Puravadaiyanar	GDQ & RF
2	ANNAVASAL	Nattar	GDQ & RF
3	NALLATHUR	Nandalar	GDQ
4	MENANGUDI	Nular	GDQ
5	PORAKUDI	Arasalar	GDQ & RF
6	PERALAM	Vanjiyar	GDQ & RF
7	THENGUDI	Thirumalairajanar	GDSQ & RF
8	VARANAVASI	Marudaiyar	GDQ
9	THANDALAIPUTHUR	Ayyar	GDQ
10	MUSIRI	Main Cauvery	GDSQ & RF
11	LAKSHMANANPATTI	Kodaganar	GDSQ
12	NALAMMARANPATTI	Amaravathi	GDSQ & RF
13	BALASAMUDRAM	Varadhamanadhi	GD
14	ALANDURAI	Noyyal	GDSQ
15	E-MANAGALAM	Noyyal	GDSQ & RF
16	KODUMUDI	Main Cauvery	GDSQ & RF
17	KOTTATHARA	Siruvani	GD
18	SAVANDAPUR	Bhavani	GDSQ & RF
19	THENGUMARAHADA	Bhavani/Moyar	GDSQ & RF
20	GANDHAVAYAL	Gandhayar	GDSQ
21	NELLITHURAI	Bhavani	GDSQ & RF
22	KUKKALTHURAI	Kukkalthalla	GD
23	URACHIKOTTAI	Main Cauvery	GDSQ & RF
24	THEVUR	Sarabenga	GDQ & RF
25	SEVANUR	Chittar	GDQ & RF
26	THOPPUR	Thoppaiyar	GDQ & RF
27	KUDLUR	Palar	GDSQ & RF
28	HOGENAKKAL	Chinnar	GDQ
29	BILIGUNDULU	Main Cauvery	GDSQ & RF
30	PUDUNAGARA	Uduthorehalla	GD
31	T. BEKUPPE	Arkavathi	GDSQ & RF
32	KOKKEDODDY	Arkavathi	GDQ
33	CHIKKA MALUR	Kanva	GD
34	CHIKKARASINAKKARE	Hebbahalla	GD
35	THORESHETTIHALLI	Shimsa	GD
36	T.K.HALLI	Shimsa	GDSQ & RF
37	KOLLEGAL	Main Cauvery	GDSQ & RF
38	BENDRAHALLI	Suvarnavathi	GDQ
39	T.NARASIPUR	Kabini	GDSQ & RF
40	MUTHANKERA	Kabini	GDSQ & RF

41	K.M.VADI	Lakshmana-thirtha	GDQ & RF
42	AKKIHBBAL	Hemavathy	GDSQ & RF
43	M.H.HALLI	Hemavathy	GDSQ & RF
44	THIMMANAHALLI	Yagachi/Hemavathy	GDQ
45	BELUR	Yagachi/Hemavathy	GD
46	JANNAPURA	Votehole	GD
47	SAKLESHPUR	Hemavathy	GDSQ
48	BETTADAMANE	Hemavathi	GD
49	CHUNCHUNKATTE	Main Cauvery	GDQ
50	KUDIGE	Main Cauvery	GDSQ & RF
51	MUKKODLU	Harangi	GD
52	NAPOKLU	Tal Cauvery	GD
Index: GD= Gauge & Discharge, RF=Rainfall Station GDQ= Gauge, Discharge & Water Quality, GDSQ= Gauge, Discharge, Sediment & Water Quality			

TREE STRUCTURE OF CAUVERY RIVER



HISTORY SHEET

Water Year : 2018-2019

Site : Gopurajapuram

Code : CCA32D2

State : Tamil Nadu

District : Nagapattinam

Basin : Cauvery

Independent River : Cauvery

Tributary :

Sub Tributary :

Sub-Sub Tributary :

Local River : Puravadaianar

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikal

Drainage Area : Sq. Km.

Bank : Left

Latitude : 10°51'05"

Longitude : 79°48'00"

Zero of Gauge (m) : 13.000 (m.s.l) Arb
-2.000 (m.s.l)01-02-1998 - 31-05-1999
01-06-1999

Opening Date

Closing Date

Gauge : 01-02-1998

Discharge : 01-02-1999

Sediment :

Water Quality : 01-10-2005

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1999-2000	30.35	2.200	23-11-1999	0.000	Dry Bed	01-06-1999
2000-2001	32.25	2.170	28-12-2000	0.000	Dry Bed	01-06-2000
2001-2002	26.14	2.520	02-02-2002	0.000	Dry Bed	01-06-2001
2002-2003	8.089	1.680	22-11-2002	0.000	Dry Bed	01-06-2002
2003-2004	11.36	1.620	01-12-2003	0.000	Dry Bed	01-06-2003
2004-2005	35.60	3.120	31-10-2004	0.000	Dry Bed	01-06-2004
2005-2006	51.80	3.240	08-11-2005	0.000	Dry Bed	01-06-2005
2006-2007	42.93	2.510	28-10-2006	0.000	Dry Bed	01-06-2006
2007-2008	32.99	2.425	28-10-2007	0.000	Dry Bed	01-06-2007
2008-2009	47.43	3.230	01-12-2008	0.000	Dry Bed	01-06-2008
2009-2010	30.51	2.575	10-11-2009	0.000	Dry Bed	01-06-2009
2010-2011	39.73	2.840	05-12-2010	0.000	Dry Bed	01-06-2010
2011-2012	38.64	2.480	27-11-2011	0.000	Dry Bed	01-06-2011
2012-2013	34.58	2.880	01-11-2012	0.000	0.060	01-06-2012
2013-2014	16.94	1.662	06-12-2013	0.000	0.300	01-06-2013
2014-2015	30.20	2.385	22-10-2014	0.000	0.420	01-06-2014
2015-2016	31.43	2.445	10-12-2015	0.000	0.170	01-06-2015
2016-2017	0.000	0.260	05-04-2017	0.000	0.420	26-06-2016
2017-2018	22.83	2.155	04-12-2017	0.000	0.325	03-03-2018

Stage-Discharge Data for the period 2018 - 2019

Station Name : Gopurajapuram (CCA32D2)

Division : Hydrology Division, Chennai

Local River : Cauvery

Sub-Division : Cauvery Delta SD, Karaikkal

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	0.100	0.000	-0.090	0.000	-0.230	0.000	1.130	0.000	0.460	0.000	0.240	0.000
2	0.105	0.000	-0.095	0.000	-0.235	0.000	1.100	0.000	0.505	0.000	0.290	0.000
3	0.100	0.000	-0.100	0.000	-0.240	0.000	1.050	0.000	0.780	3.374	0.360	0.000
4	0.105	0.000	-0.100	0.000	-0.240	0.000	1.000	0.000	0.965	4.830 #	0.520	0.000
5	0.100	0.000	-0.105	0.000	-0.245	0.000	0.960	0.000	1.495	11.95	1.405	10.92
6	0.105	0.000	-0.110	0.000	-0.250	0.000	0.925	0.000	1.600	12.50 #	1.520	11.39 *
7	0.100	0.000	-0.115	0.000	-0.225	0.000	0.790	0.000	1.700	13.93 *	0.950	5.380
8	0.110	0.000	-0.120	0.000	-0.170	0.000	0.705	0.000	1.440	8.450	0.520	0.000
9	0.115	0.000	-0.125	0.000	0.150	0.000	0.655	0.000	1.148	7.301	0.970	4.880 #
10	0.100	0.000	-0.130	0.000	0.285	0.000	0.595	0.000	0.883	3.506	1.150	6.790 #
11	0.085	0.000	-0.135	0.000	0.325	0.000	0.540	0.000	0.545	0.000	0.790	3.210 *
12	0.065	0.000	-0.140	0.000	0.290	0.000	0.485	0.000	0.365	0.000	0.575	0.000
13	0.045	0.000	-0.145	0.000	0.315	0.000	0.440	0.000	0.365	0.000	0.610	1.442
14	0.025	0.000	-0.150	0.000	1.000	0.000	0.390	0.000	0.215	0.000	0.385	0.000
15	0.000	0.000	-0.155	0.000	1.040	0.000	0.320	0.000	0.180	0.000	0.305	0.000
16	-0.030	0.000	-0.160	0.000	1.230	0.000	0.270	0.000	0.235	0.000	0.795	2.951
17	-0.035	0.000	-0.165	0.000	1.225	0.000	0.250	0.000	0.290	0.000	0.490	0.000
18	-0.040	0.000	-0.170	0.000	1.205	0.000	0.230	0.000	0.335	0.000	0.345	0.000
19	-0.030	0.000	-0.175	0.000	1.185	0.000	0.200	0.000	0.395	0.000	0.700	2.803
20	-0.035	0.000	-0.180	0.000	1.220	0.000	0.185	0.000	0.480	0.000	0.925	4.127
21	-0.040	0.000	-0.195	0.000	1.260	0.000	0.185	0.000	0.540	0.000	1.110	6.346 *
22	-0.045	0.000	-0.200	0.000	1.305	0.000	0.170	0.000	0.590	0.000	1.405	10.79
23	-0.050	0.000	-0.210	0.000	1.340	0.000	0.150	0.000	0.665	0.000	0.950	4.682 *
24	-0.055	0.000	-0.215	0.000	1.375	0.000	0.170	0.000	0.695	0.000	2.020	18.22
25	-0.060	0.000	-0.220	0.000	1.105	0.000	0.210	0.000	0.615	1.963	2.050	19.37 *
26	-0.065	0.000	-0.225	0.000	1.035	0.000	0.250	0.000	0.785	2.929	1.745	15.14
27	-0.070	0.000	-0.215	0.000	1.310	0.000	0.280	0.000	0.700	2.475 #	1.445	8.429
28	-0.075	0.000	-0.220	0.000	1.300	0.000	0.325	0.000	0.720	2.632 *	1.000	5.182 #
29	-0.080	0.000	-0.225	0.000	1.210	0.000	0.370	0.000	0.550	0.000	0.805	3.868
30	-0.085	0.000	-0.225	0.000	1.160	0.000	0.415	0.000	0.360	0.000	1.105	6.980
31			-0.230	0.000	1.160	0.000			0.280	0.000		
<u>Ten-Daily Mean</u>												
I Ten-Daily	0.104	0.000	-0.109	0.000	-0.140	0.000	0.891	0.000	1.098	6.584	0.792	3.936
II Ten-Daily	0.005	0.000	-0.157	0.000	0.903	0.000	0.331	0.000	0.341	0.000	0.592	1.453
III Ten-Daily	-0.062	0.000	-0.216	0.000	1.233	0.000	0.252	0.000	0.591	0.909	1.363	9.901
<u>Monthly</u>												
Min.	-0.085	0.000	-0.230	0.000	-0.250	0.000	0.150	0.000	0.180	0.000	0.240	0.000
Max.	0.115	0.000	-0.090	0.000	1.375	0.000	1.130	0.000	1.700	13.93	2.050	19.37
Mean	0.016	0	-0.163	0	0.684	0	0.491	0	0.674	2.446	0.916	5.097

Annual Runoff in MCM = 23 Annual Runoff in mm =

Peak Observed Discharge = 18.22 cumecs on 24-11-2018

Corres. Water Level :2.02 m

Lowest Observed Discharge = 0.000 cumecs on 01-06-2018

Corres. Water Level :0.1 m

Stage-Discharge Data for the period 2018 - 2019

Station Name : Gopurajapuram (CCA32D2)

Division : Hydrology Division, Chennai

Local River : Cauvery

Sub-Division : Cauvery Delta SD, Karaikkal

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	1.085	6.520	0.570	0.000	0.275	0.000	0.610	0.000	0.420	0.000	0.165	0.000
2	0.800	2.945 *	0.520	0.000	0.265	0.000	0.605	0.000	0.405	0.000	0.160	0.000
3	0.700	2.071 #	0.495	0.000	0.275	0.000	0.605	0.000	0.395	0.000	0.155	0.000
4	1.095	6.955	0.455	0.000	0.305	0.000	0.600	0.000	0.380	0.000	0.150	0.000
5	0.855	2.944	0.425	0.000	0.325	0.000	0.580	0.000	0.365	0.000	0.145	0.000
6	0.780	2.661	0.420	0.000	0.350	0.000	0.550	0.000	0.350	0.000	0.125	0.000
7	0.750	2.149	0.465	0.000	0.430	0.000	0.550	0.000	0.345	0.000	0.110	0.000
8	0.730	2.323 #	0.515	0.000	0.435	0.000	0.535	0.000	0.335	0.000	0.095	0.000
9	0.705	0.000	0.475	0.000	0.430	0.000	0.535	0.000	0.330	0.000	0.080	0.000
10	0.515	0.000	0.415	0.000	0.440	0.000	0.530	0.000	0.300	0.000	0.070	0.000
11	0.415	0.000	0.600	1.415	0.425	0.000	0.530	0.000	0.300	0.000	0.070	0.000
12	0.380	0.000	0.580	1.122	0.465	0.000	0.525	0.000	0.290	0.000	0.065	0.000
13	0.345	0.000	0.550	0.972 *	0.530	0.000	0.520	0.000	0.280	0.000	0.065	0.000
14	0.320	0.000	0.500	0.752	0.555	0.000	0.520	0.000	0.270	0.000	0.065	0.000
15	0.415	0.000	0.420	0.000	0.550	0.000	0.520	0.000	0.270	0.000	0.065	0.000
16	0.600	0.000	0.355	0.000	0.575	0.000	0.515	0.000	0.250	0.000	0.060	0.000
17	0.690	0.000	0.478	0.569	0.565	0.000	0.515	0.000	0.240	0.000	0.060	0.000
18	0.600	0.000	0.505	0.644	0.570	0.000	0.510	0.000	0.235	0.000	0.060	0.000
19	0.620	0.000	0.485	0.000	0.595	0.000	0.505	0.000	0.230	0.000	0.055	0.000
20	0.595	0.000	0.435	0.000	0.605	0.000	0.505	0.000	0.230	0.000	0.050	0.000
21	0.630	0.000	0.455	0.000	0.600	0.000	0.500	0.000	0.225	0.000	0.045	0.000
22	0.680	0.000	0.440	0.000	0.610	0.000	0.500	0.000	0.220	0.000	0.040	0.000
23	0.715	0.000	0.415	0.000	0.610	0.000	0.500	0.000	0.215	0.000	0.035	0.000
24	0.675	0.000	0.395	0.000	0.605	0.000	0.495	0.000	0.210	0.000	0.030	0.000
25	0.625	0.000	0.365	0.000	0.610	0.000	0.485	0.000	0.200	0.000	0.025	0.000
26	0.595	0.000	0.340	0.000	0.600	0.000	0.465	0.000	0.195	0.000	0.020	0.000
27	0.580	0.000	0.325	0.000	0.600	0.000	0.455	0.000	0.190	0.000	0.020	0.000
28	0.560	0.000	0.310	0.000	0.610	0.000	0.445	0.000	0.185	0.000	0.015	0.000
29	0.600	0.000	0.300	0.000			0.435	0.000	0.180	0.000	0.010	0.000
30	0.655	0.000	0.290	0.000			0.430	0.000	0.175	0.000	0.010	0.000
31	0.610	0.000	0.285	0.000			0.425	0.000			0.005	0.000
<u>Ten-Daily Mean</u>												
I Ten-Daily	0.801	2.857	0.475	0.000	0.353	0.000	0.570	0.000	0.363	0.000	0.126	0.000
II Ten-Daily	0.498	0.000	0.491	0.547	0.544	0.000	0.516	0.000	0.259	0.000	0.062	0.000
III Ten-Daily	0.630	0.000	0.356	0.000	0.606	0.000	0.467	0.000	0.199	0.000	0.023	0.000
<u>Monthly</u>												
Min.	0.320	0.000	0.285	0.000	0.265	0.000	0.425	0.000	0.175	0.000	0.005	0.000
Max.	1.095	6.955	0.600	1.415	0.610	0.000	0.610	0.000	0.420	0.000	0.165	0.000
Mean	0.643	0.922	0.438	0.177	0.493	0	0.516	0	0.274	0	0.069	0

Peak Computed Discharge = 19.37 cumecs on 25-11-2018

Corres. Water Level :2.05 m

Lowest Computed Discharge = 0.972 cumecs on 13-01-2019

Corres. Water Level :0.55 m

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

Station Name : Gopurajapuram (CCA32D2)

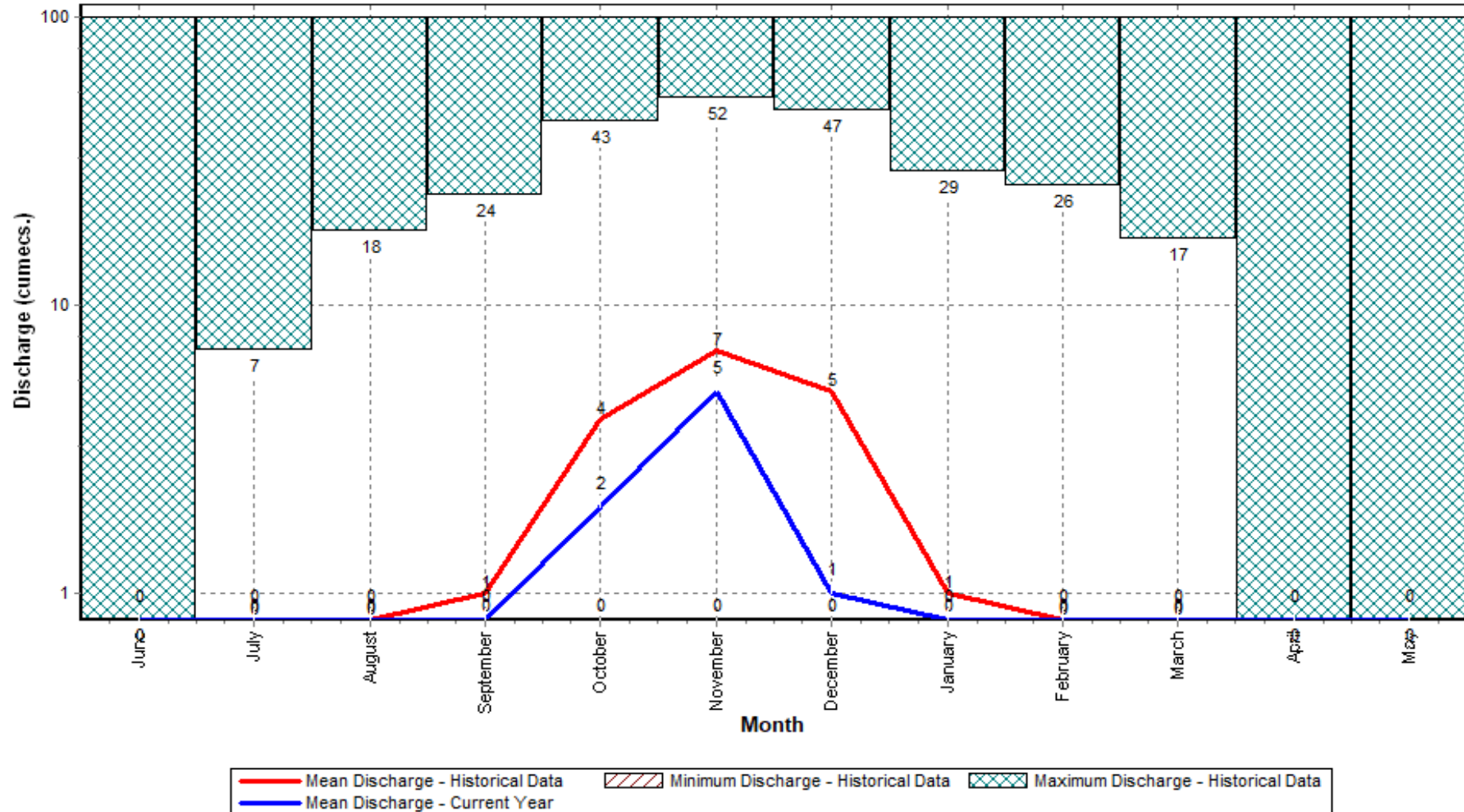
Data considered : 1999-2019

Division : Hydrology Division, Chennai

Local River : Cauvery

Sub-Division : Cauvery Delta SD, Karaikkal

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Annual Runoff Values for the period: 1999 - 2019

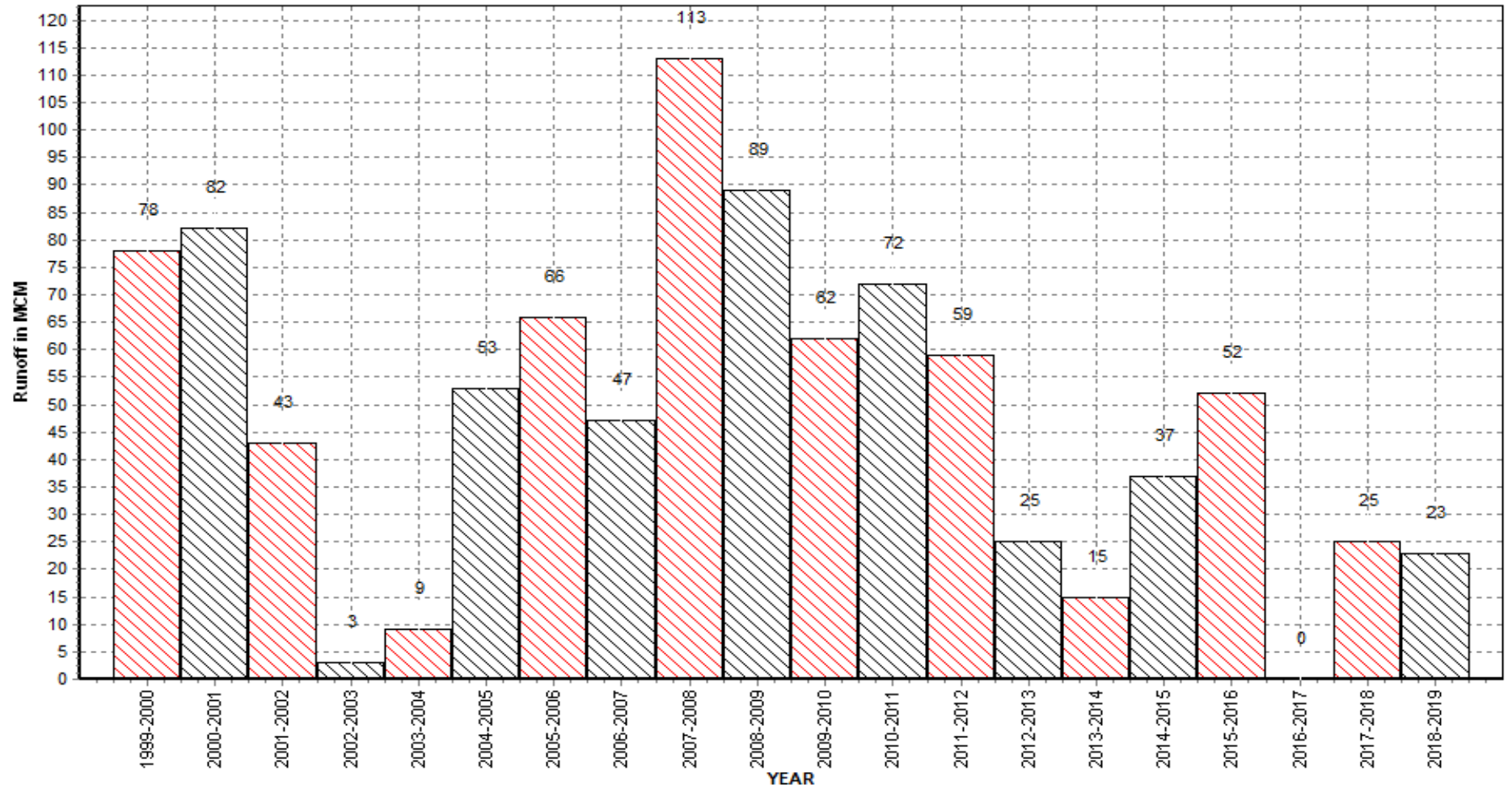
Station Name : Gopurajapuram (CCA32D2)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal

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Note: Missing values have not been considered while arriving at Annual Runoff

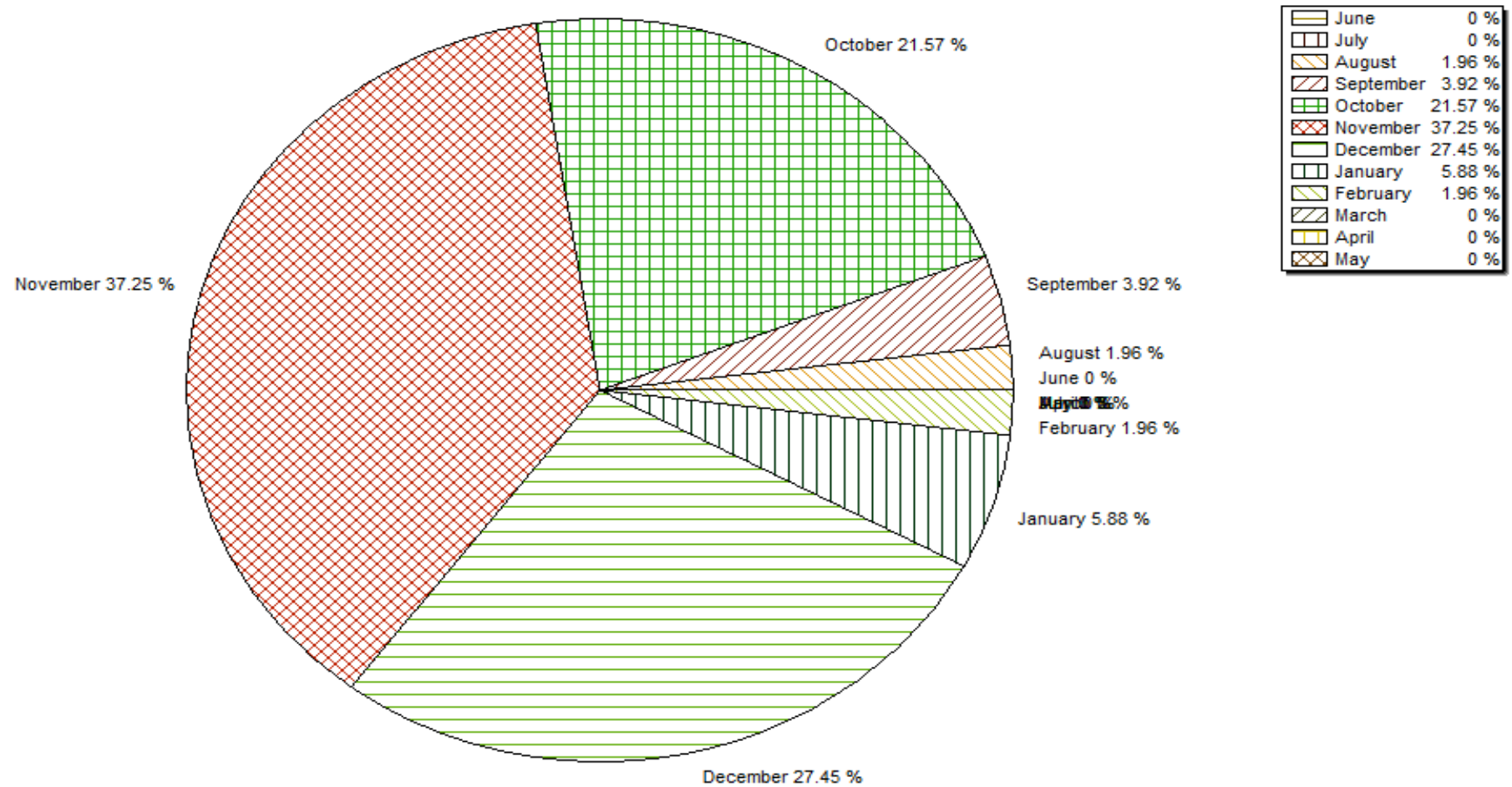
Monthly Average Runoff based on period : 1999-2018

Station Name : Gopurajapuram (CCA32D2)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal



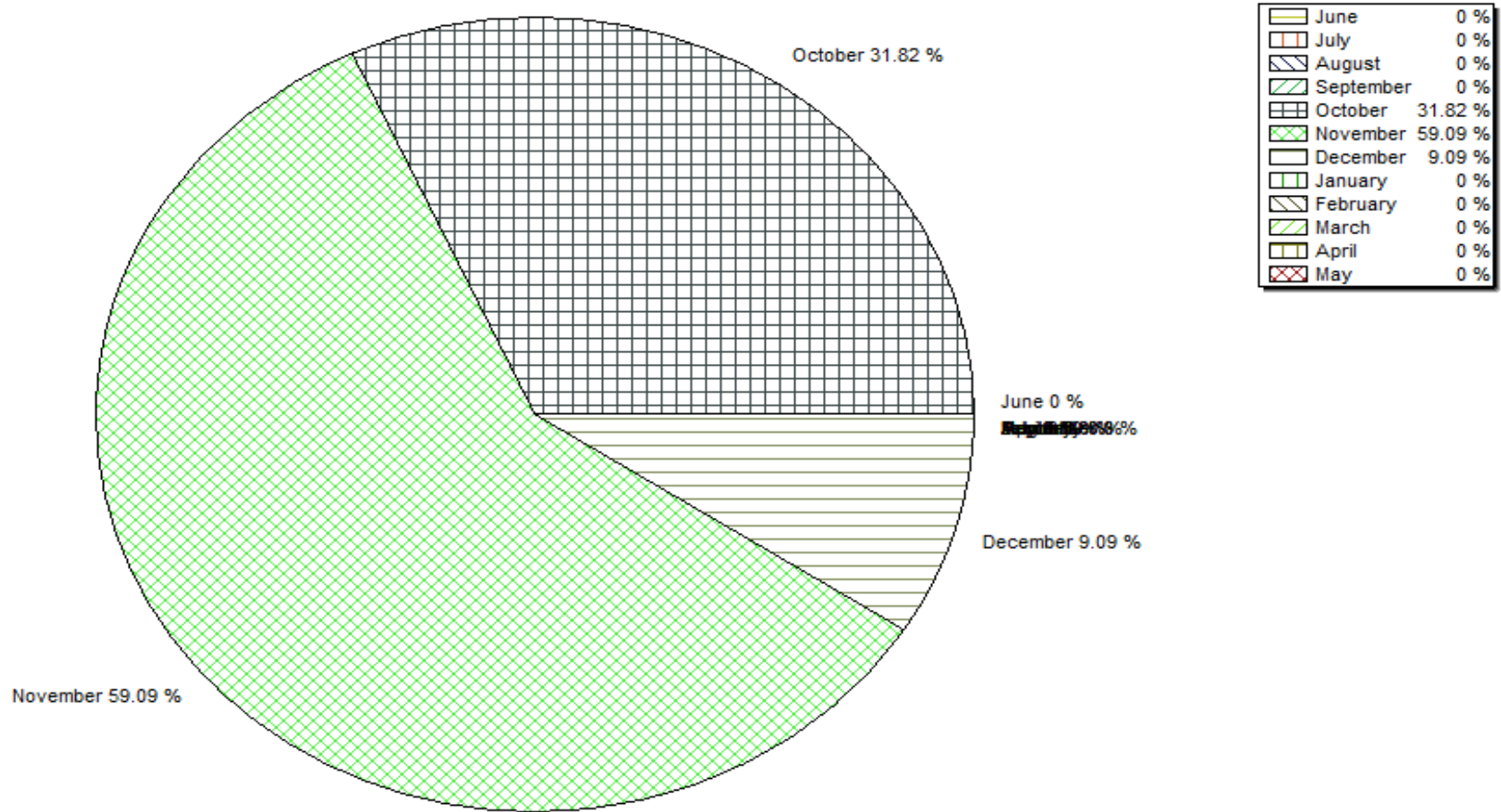
Monthly Runoff for the Year : 2018-2019

Station Name : Gopurajapuram (CCA32D2)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal



Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

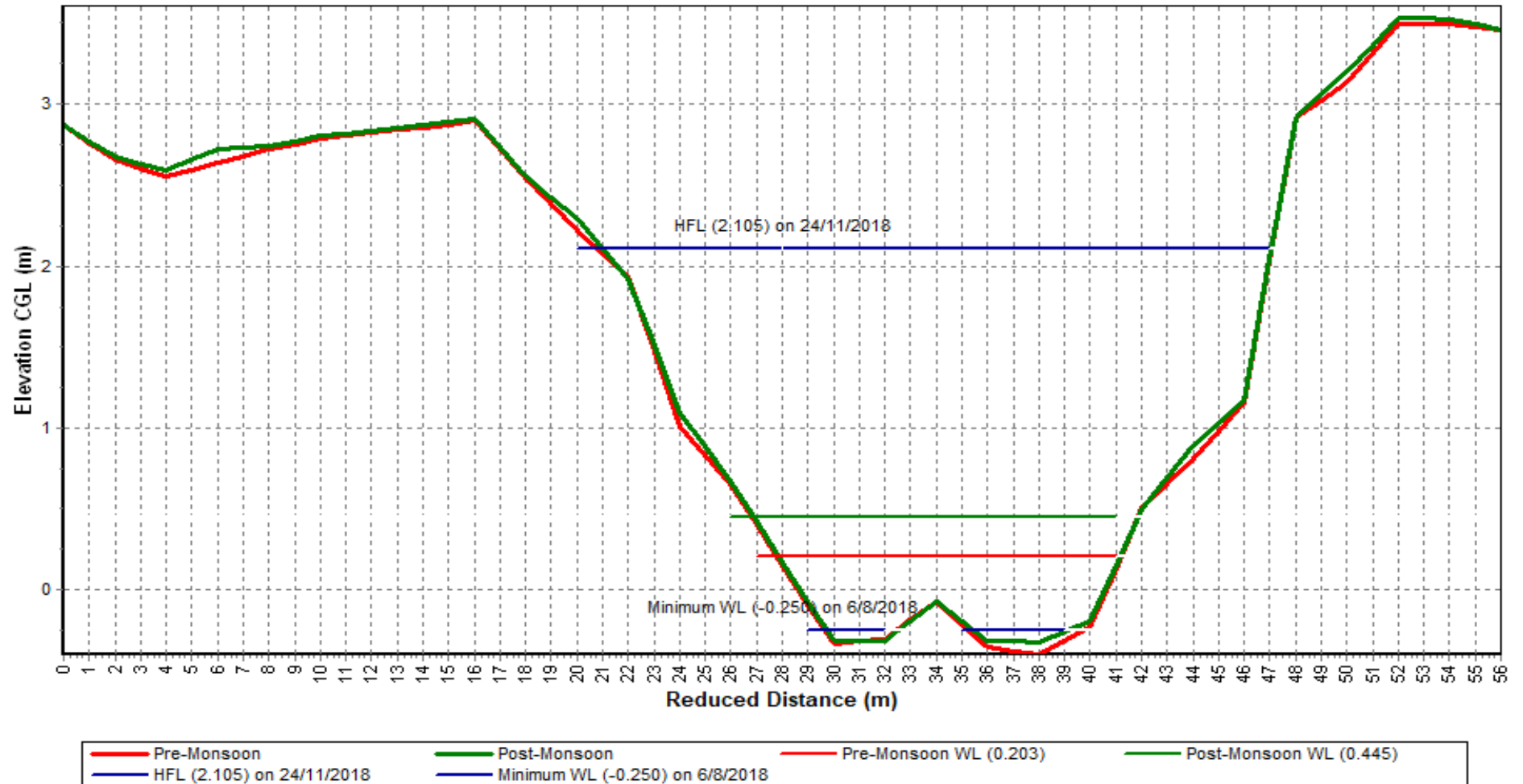
Station Name : Gopurajapuram (CCA32D2)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal

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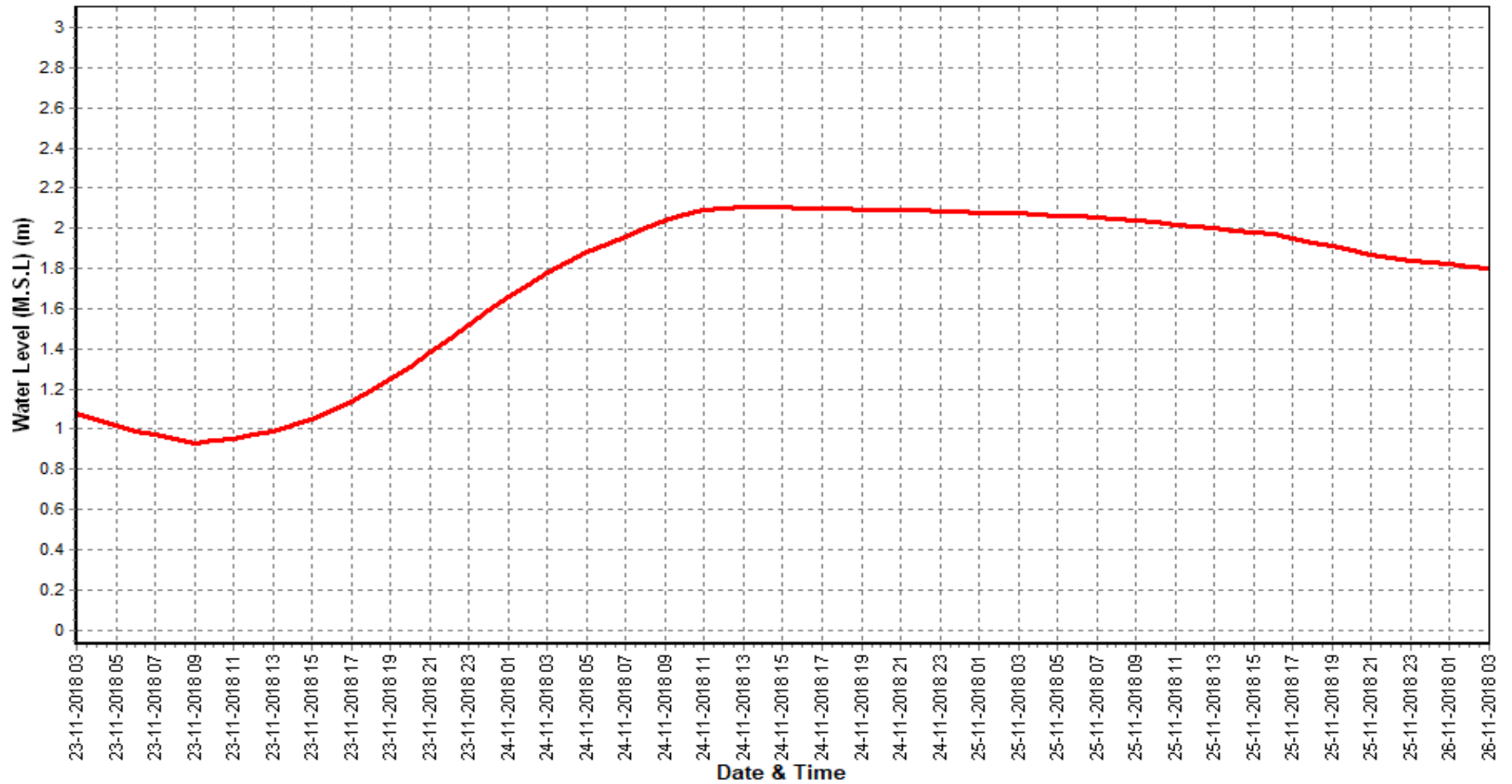
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : Gopurajapuram (CCA32D2)

Local River : Cauvery

Division : Hydrology Division, Chennai

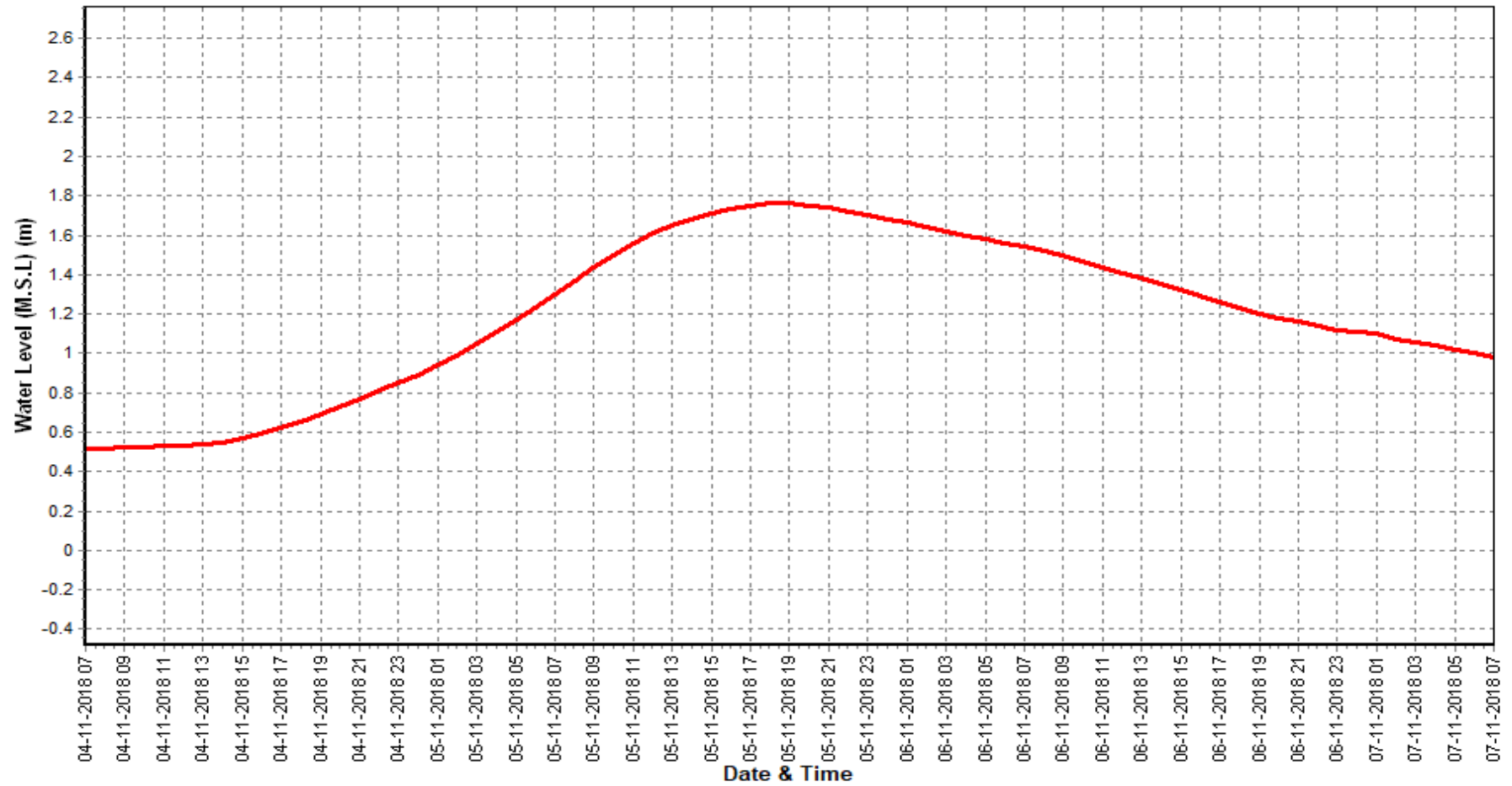
Sub-Division : Cauvery Delta SD, Karaikkal



Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : Gopurajapuram (CCA32D2)
Local River : Cauvery

Division : Hydrology Division, Chennai
Sub-Division : Cauvery Delta SD, Karaikkal



Time Span: 72 Hrs

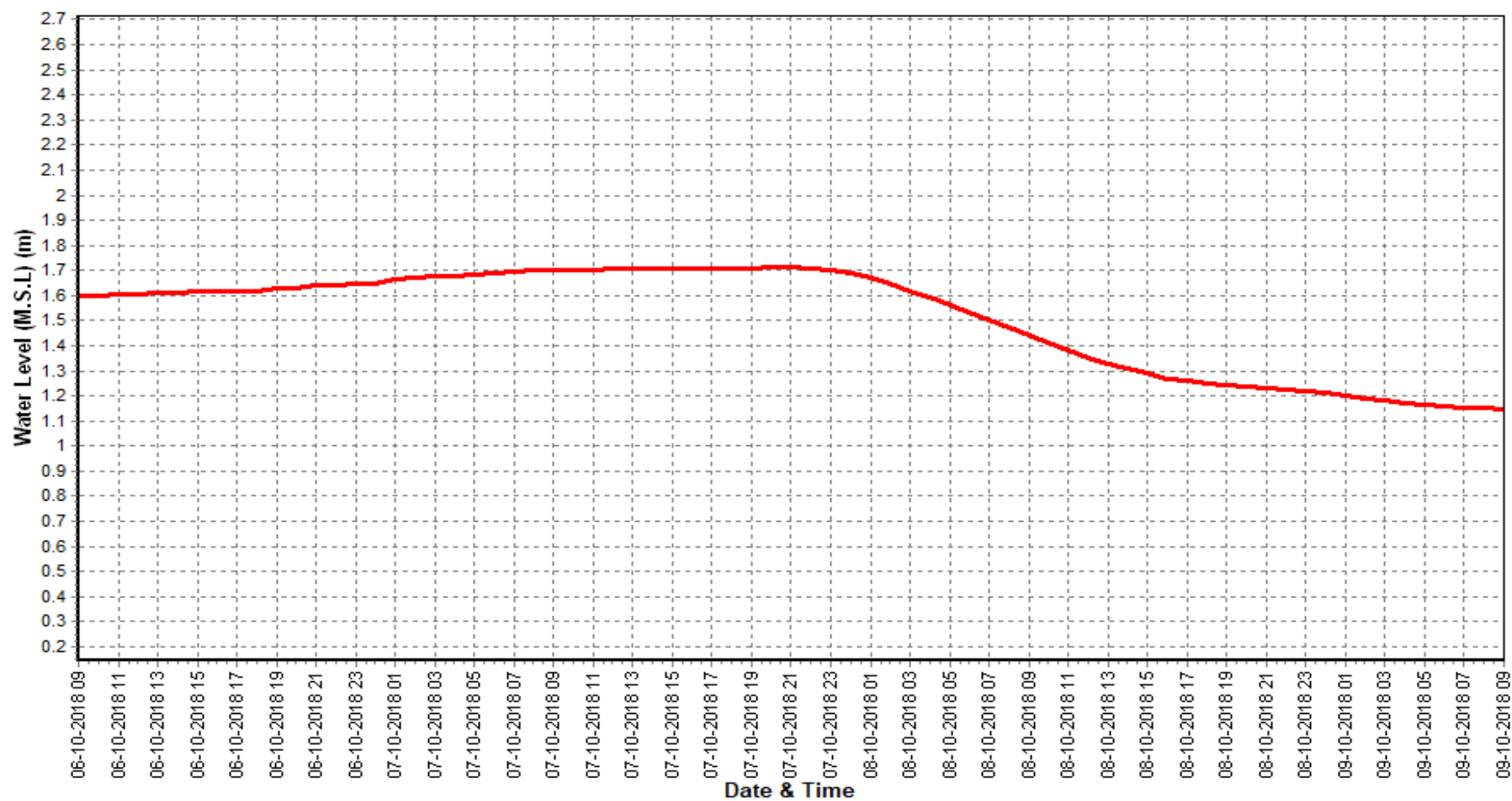
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : Gopurajapuram (CCA32D2)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal



Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2018-2019

Site : Annavasal

Code : CCA21G5

State : Pondicherry

District : Karaikal

Basin : Cauvery

Independent River : Cauvery

Tributary :

Sub Tributary :

Sub-Sub Tributary :

Local River : Nattar

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikal

Drainage Area : Sq. Km.

Bank : Left

Latitude : 10°58'30"

Longitude : 79°45'14"

Zero of Gauge (m) : 4.250 (m.s.l)
4.000(m.s.l)21-07-1998 - 30-11-1998
01-12-1998

Opening Date

Closing Date

Gauge : 21-07-1998

Discharge : 01-02-1999

Sediment :

Water Quality : 01-09-2005

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1999-2000	11.28	5.985	24-11-1999	0.000	Dry Bed	01-06-1999
2000-2001	9.448	5.510	28-12-2000	0.000	Dry Bed	01-06-2000
2001-2002	7.186	5.680	22-12-2001	0.000	Dry Bed	01-06-2001
2002-2003	3.980	5.140	02-11-2002	0.000	Dry Bed	01-06-2002
2003-2004	4.520	5.420	11-11-2003	0.000	Dry Bed	01-06-2003
2004-2005	4.468	5.320	01-11-2004	0.000	Dry Bed	01-06-2004
2005-2006	5.488	5.170	28-10-2005	0.000	Dry Bed	01-06-2005
2006-2007	5.033	5.130	01-10-2006	0.000	Dry Bed	01-06-2006
2007-2008	9.203	5.280	25-10-2007	0.000	Dry Bed	01-06-2007
2008-2009	9.354	5.480	01-12-2008	0.000	Dry Bed	01-06-2008
2009-2010	7.793	5.200	08-11-2009	0.000	Dry Bed	01-06-2009
2010-2011	4.880	5.420	02-12-2010	0.000	Dry Bed	01-06-2010
2011-2012	6.425	5.170	16-10-2011	0.000	Dry Bed	01-06-2011
2012-2013	2.874	4.920	01-11-2012	0.000	Dry Bed	01-06-2012
2013-2014	4.537	5.000	10-09-2013	0.000	Dry Bed	01-06-2013
2014-2015	4.713	5.213	19-12-2014	0.000	Dry Bed	01-06-2014
2015-2016	8.156	5.130	10-11-2015	0.000	Dry Bed	01-06-2015
2016-2017	0.000	Dry Bed	06-04-2017	0.000	Dry Bed	27-06-2016
2017-2018	1.220	4.800	05-11-2017	0.000	Dry Bed	01-06-2017

Q : Observed / Computed Discharge

WL : Corresponding Water Level(m.s.l)

Stage-Discharge Data for the period 2018 - 2019

Station Name : Annavasal (CCA21G5)

Division : Hydrology Division, Chennai

Local River : Cauvery

Sub-Division : Cauvery Delta SD, Karaikal

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1		0.000		0.000		0.000	4.645	0.038 #	4.840	1.889	4.890	2.533
2		0.000		0.000	4.720	0.594	4.620	0.000	4.760	0.911 *	4.920	2.838
3		0.000		0.000	4.750	0.881		0.000	4.830	1.697	4.923	2.876
4		0.000		0.000	4.735	0.658		0.000	4.830	1.778	4.840	1.871 *
5		0.000		0.000	4.720	0.525 *		0.000	4.983	3.590	4.723	0.597
6		0.000		0.000	4.735	0.670		0.000	5.000	3.702	4.695	0.323 *
7		0.000		0.000	4.710	0.506		0.000	4.995	4.299 *	4.690	0.288
8		0.000		0.000	4.715	0.519		0.000	4.763	1.122	4.700	0.393
9		0.000		0.000	4.710	0.510		0.000	4.703	0.444	4.690	0.277
10		0.000		0.000	4.705	0.442		0.000	4.680	0.178	4.680	0.189
11		0.000		0.000	4.675	0.190		0.000	4.650	0.052	4.670	0.158 *
12		0.000		0.000	4.690	0.287 *		0.000	4.630	0.000	4.660	0.103 #
13		0.000		0.000	4.705	0.439		0.000		0.000	4.635	0.000
14		0.000		0.000	4.795	1.297		0.000		0.000	4.625	0.000
15		0.000		0.000	4.810	1.484 *		0.000	4.773	1.268		0.000
16		0.000		0.000	4.810	1.490		0.000	4.680	0.192		0.000
17		0.000		0.000	4.830	1.722		0.000	4.630	0.000		0.000
18		0.000		0.000	4.840	1.852	4.720	0.596	4.625	0.000		0.000
19		0.000		0.000	4.840	1.871 *	4.745	0.791	4.710	0.441 *		0.000
20		0.000		0.000	4.850	1.991	4.750	0.874	4.710	0.518		0.000
21		0.000		0.000	4.860	2.056	4.755	0.859 *	4.750	0.808 *	4.615	0.000
22		0.000		0.000	4.855	2.075 *	4.765	1.092	4.820	1.663	4.615	0.000
23		0.000		0.000	4.835	1.746	4.785	1.186 *	4.890	2.540	4.630	0.000
24		0.000		0.000	4.825	1.618	4.800	1.399	4.870	2.295	4.703	0.439
25		0.000		0.000	4.860	2.075	4.810	1.492	4.805	1.521	4.800	1.362 *
26		0.000		0.000	4.805	1.422 *	4.833	1.751	4.800	1.456	4.735	0.638
27		0.000		0.000	4.813	1.507	4.815	1.518	4.710	0.490	4.680	0.203
28		0.000		0.000	4.735	0.621	4.850	2.029	4.715	0.482 *	4.670	0.128
29		0.000		0.000	4.720	0.492	4.890	2.601	4.745	0.716	4.665	0.129 #
30		0.000		0.000	4.710	0.321	4.885	2.505 *	4.790	1.188	4.715	0.514
31				0.000	4.680	0.177			4.833	1.720		
<u>Ten-Daily Mean</u>												
I Ten-Daily		0.000		0.000	4.722	0.530	4.632	0.004	4.838	1.961	4.775	1.218
II Ten-Daily		0.000		0.000	4.784	1.262	4.738	0.226	4.676	0.247	4.648	0.026
III Ten-Daily		0.000		0.000	4.791	1.283	4.819	1.643	4.793	1.353	4.683	0.341
<u>Monthly</u>												
Min.		0.000		0.000	4.675	0.000	4.620	0.000	4.625	0.000	4.615	0.000
Max.		0.000		0.000	4.860	2.075	4.890	2.601	5.000	4.299	4.923	2.876
Mean		0		0	4.768	1.033	4.778	0.624	4.776	1.192	4.715	0.529

Annual Runoff in MCM = 11 Annual Runoff in mm =

Peak Observed Discharge = 3.702 cumecs on 06-10-2018 Corres. Water Level :5 m

Lowest Observed Discharge = 0.000 cumecs on 01-06-2018

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Annavasal (CCA21G5)

Division : Hydrology Division, Chennai

Local River : Cauvery

Sub-Division : Cauvery Delta SD, Karaikal

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	4.700	0.422	4.690	0.274		0.000		0.000		0.000		0.000
2	4.675	0.166 *	4.670	0.155		0.000		0.000		0.000		0.000
3	4.660	0.071	4.748	0.759		0.000		0.000		0.000		0.000
4	4.630	0.000	4.670	0.156		0.000		0.000		0.000		0.000
5	4.690	0.280	4.650	0.046		0.000		0.000		0.000		0.000
6	4.675	0.178	4.630	0.000		0.000		0.000		0.000		0.000
7	4.685	0.210	4.615	0.000		0.000		0.000		0.000		0.000
8	4.680	0.205		0.000		0.000		0.000		0.000		0.000
9	4.660	0.085 *		0.000		0.000		0.000		0.000		0.000
10	4.660	0.069		0.000		0.000		0.000		0.000		0.000
11	4.650	0.046		0.000		0.000		0.000		0.000		0.000
12	4.660	0.070		0.000		0.000		0.000		0.000		0.000
13	4.630	0.000	4.750	0.832 *		0.000		0.000		0.000		0.000
14		0.000	4.840	1.936		0.000		0.000		0.000		0.000
15		0.000	4.870	2.572 *		0.000		0.000		0.000		0.000
16		0.000	4.813	1.522		0.000		0.000		0.000		0.000
17		0.000	4.723	0.604		0.000		0.000		0.000		0.000
18		0.000	4.660	0.072		0.000		0.000		0.000		0.000
19		0.000	4.650	0.047		0.000		0.000		0.000		0.000
20		0.000	4.630	0.000		0.000		0.000		0.000		0.000
21		0.000	4.620	0.000		0.000		0.000		0.000		0.000
22	4.810	1.519		0.000		0.000		0.000		0.000		0.000
23	4.860	2.400 *		0.000		0.000		0.000		0.000		0.000
24	4.860	2.137		0.000		0.000		0.000		0.000		0.000
25	4.890	2.929 *		0.000		0.000		0.000		0.000		0.000
26	4.803	1.463		0.000		0.000		0.000		0.000		0.000
27	4.770	1.250		0.000		0.000		0.000		0.000		0.000
28	4.730	0.648		0.000		0.000		0.000		0.000		0.000
29	4.795	1.335		0.000				0.000		0.000		0.000
30	4.760	0.948 *		0.000				0.000		0.000		0.000
31	4.773	1.269		0.000				0.000				0.000
Ten-Daily Mean												
I Ten-Daily	4.672	0.168	4.668	0.139		0.000		0.000		0.000		0.000
II Ten-Daily	4.647	0.012	4.742	0.758		0.000		0.000		0.000		0.000
III Ten-Daily	4.805	1.445	4.620	0.000		0.000		0.000		0.000		0.000
Monthly												
Min.	4.630	0.000	4.615	0.000		0.000		0.000		0.000		0.000
Max.	4.890	2.929	4.870	2.572		0.000		0.000		0.000		0.000
Mean	4.726	0.571	4.702	0.29		0		0		0		0

Peak Computed Discharge = 4.299 cumecs on 07-10-2018

Corres. Water Level :4.995 m

Lowest Computed Discharge = 0.085 cumecs on 09-12-2018

Corres. Water Level :4.66 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

#:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

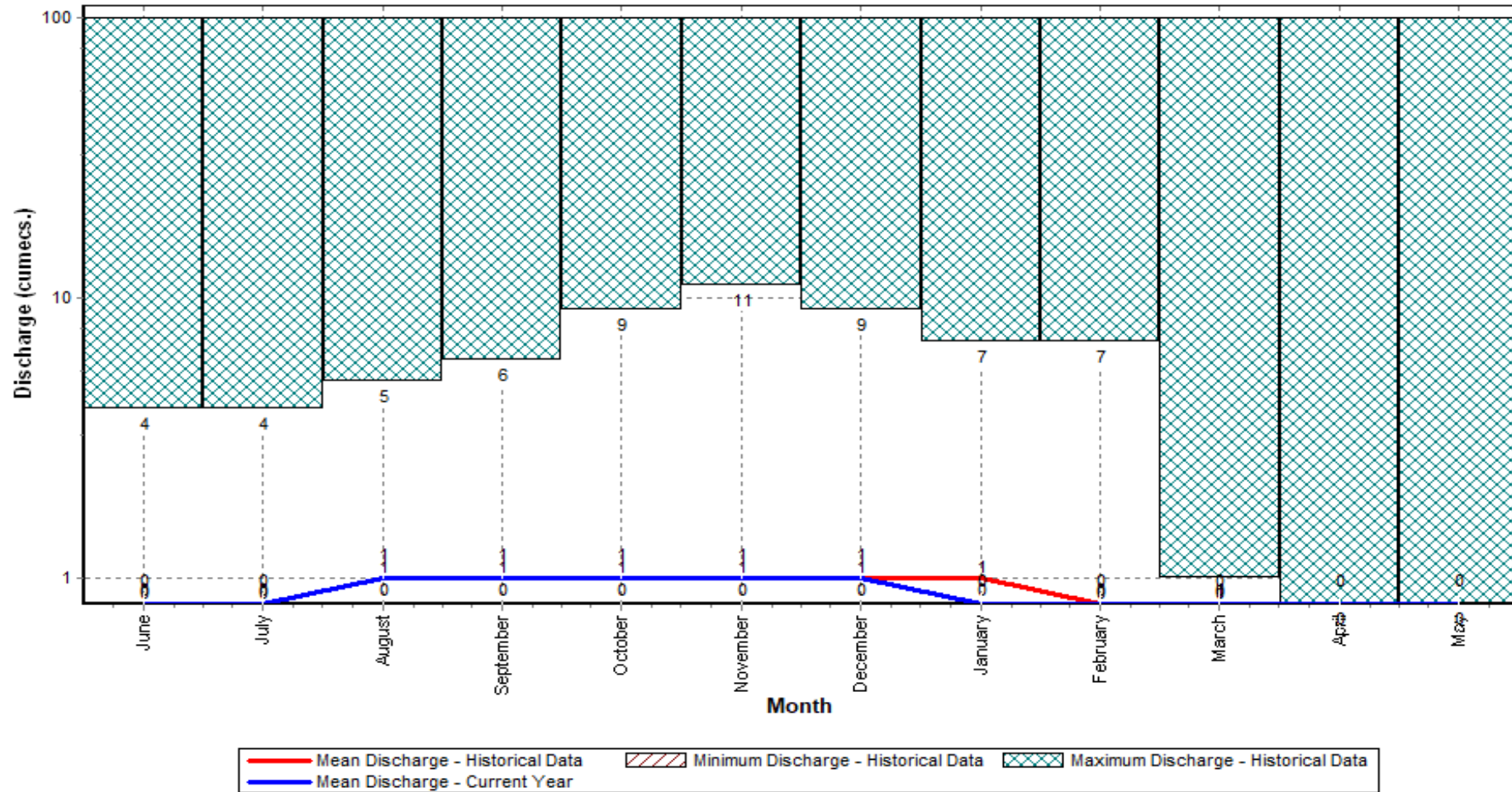
Station Name : Annavasal (CCA21G5)

Local River : Cauvery

Data considered : 1999-2019

Division : Hydrology Division, Chennai

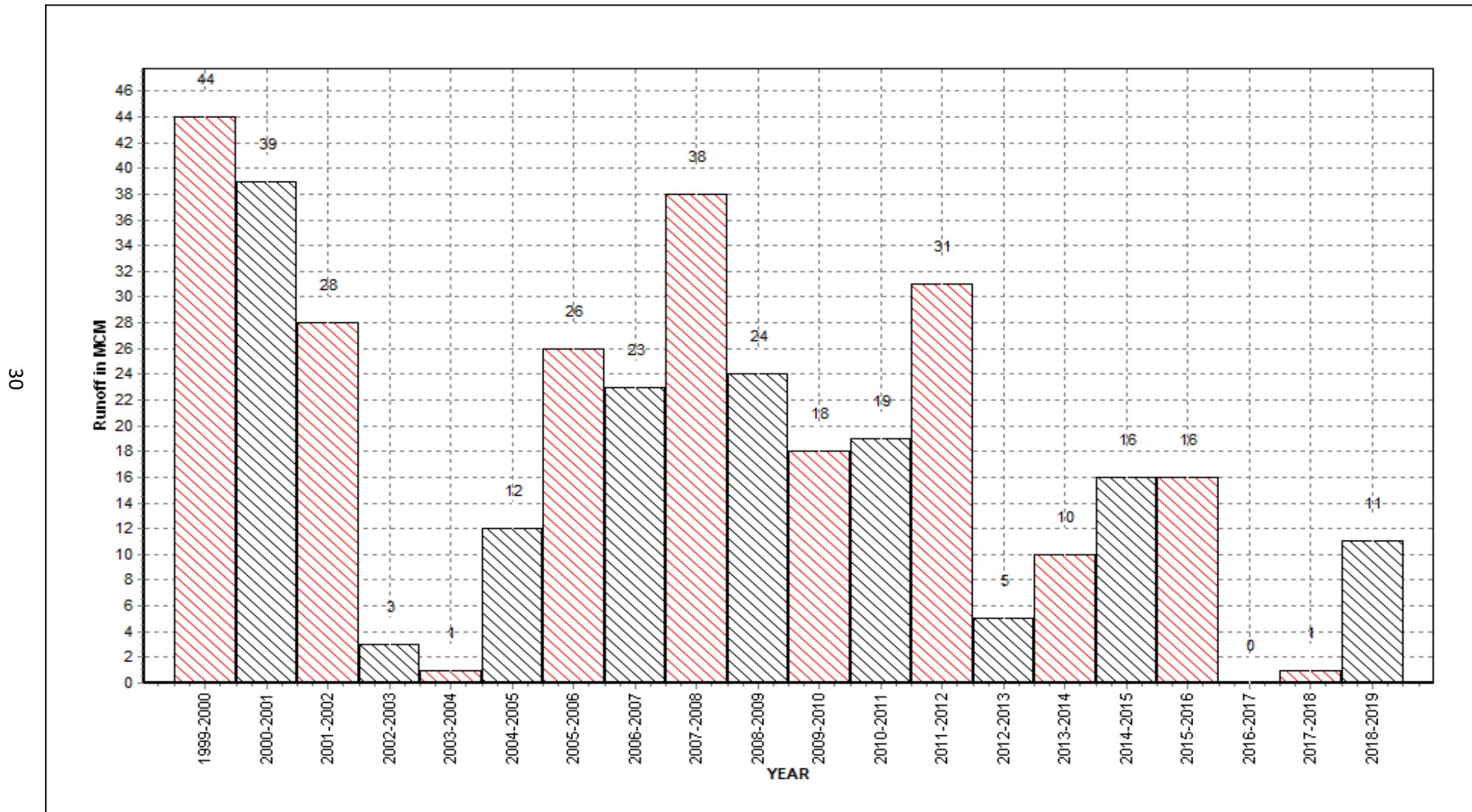
Sub-Division : Cauvery Delta SD, Karaikal



Annual Runoff Values for the period: 1999 - 2019

Station Name : Annavasal (CCA21G5)
Local River : Cauvery

Division : Hydrology Division, Chennai
Sub-Division : Cauvery Delta SD, Karaikal



Note: Missing values have not been considered while arriving at Annual Runoff

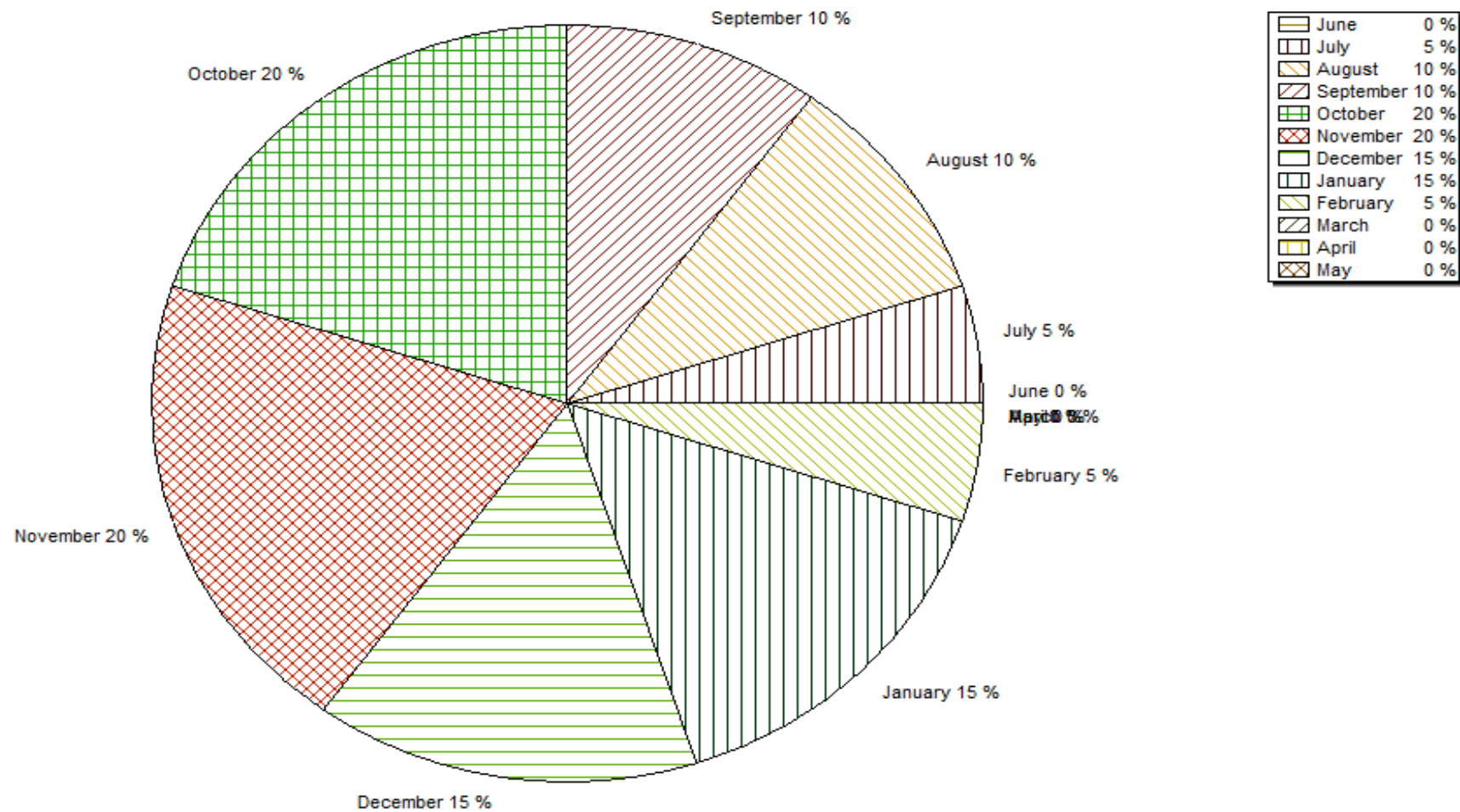
Monthly Average Runoff based on period : 1999-2018

Station Name : Annavasal (CCA21G5)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikal



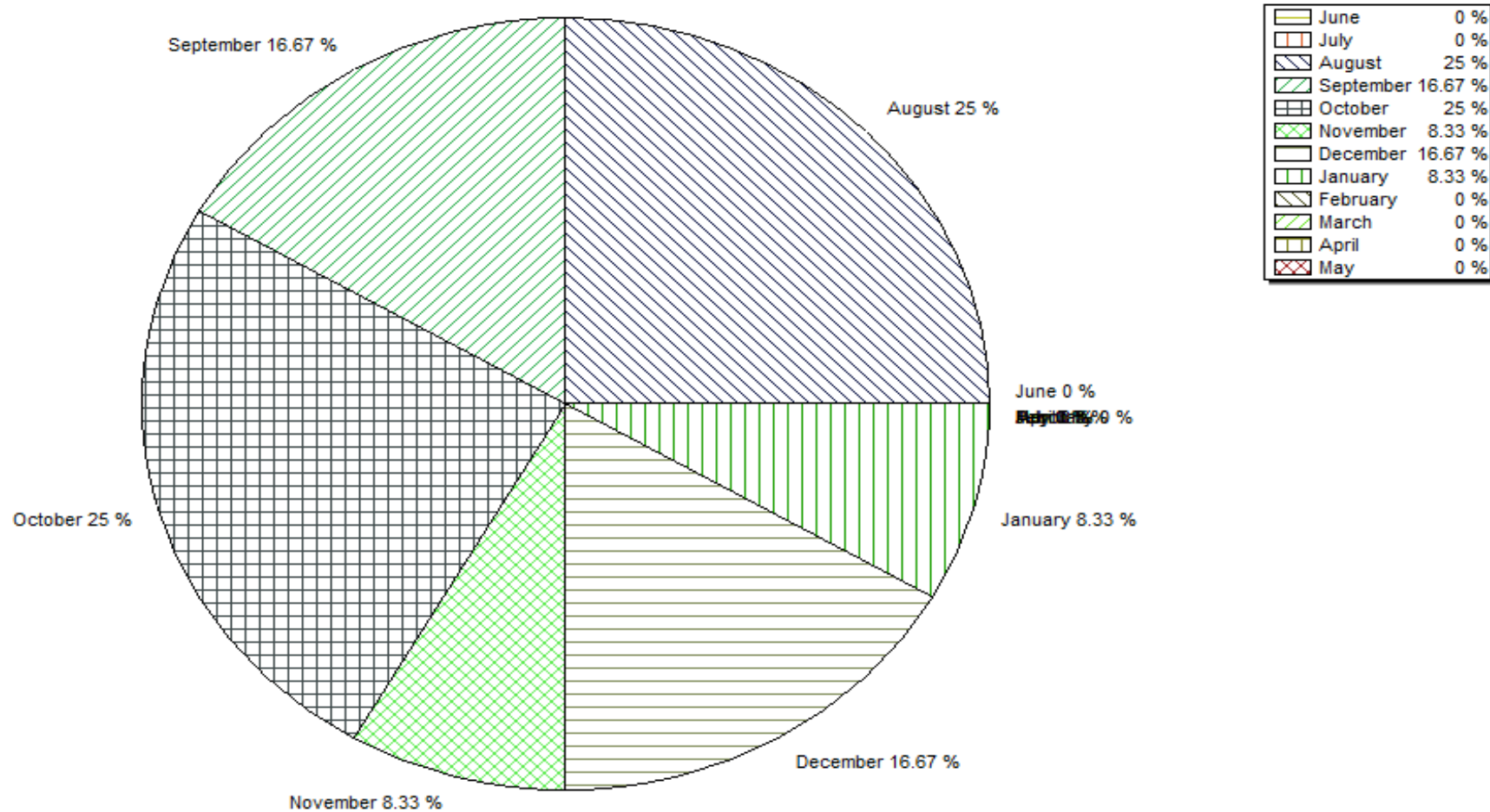
Monthly Runoff for the Year : 2018-2019

Station Name : Annavasal (CCA21G5)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikal



Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

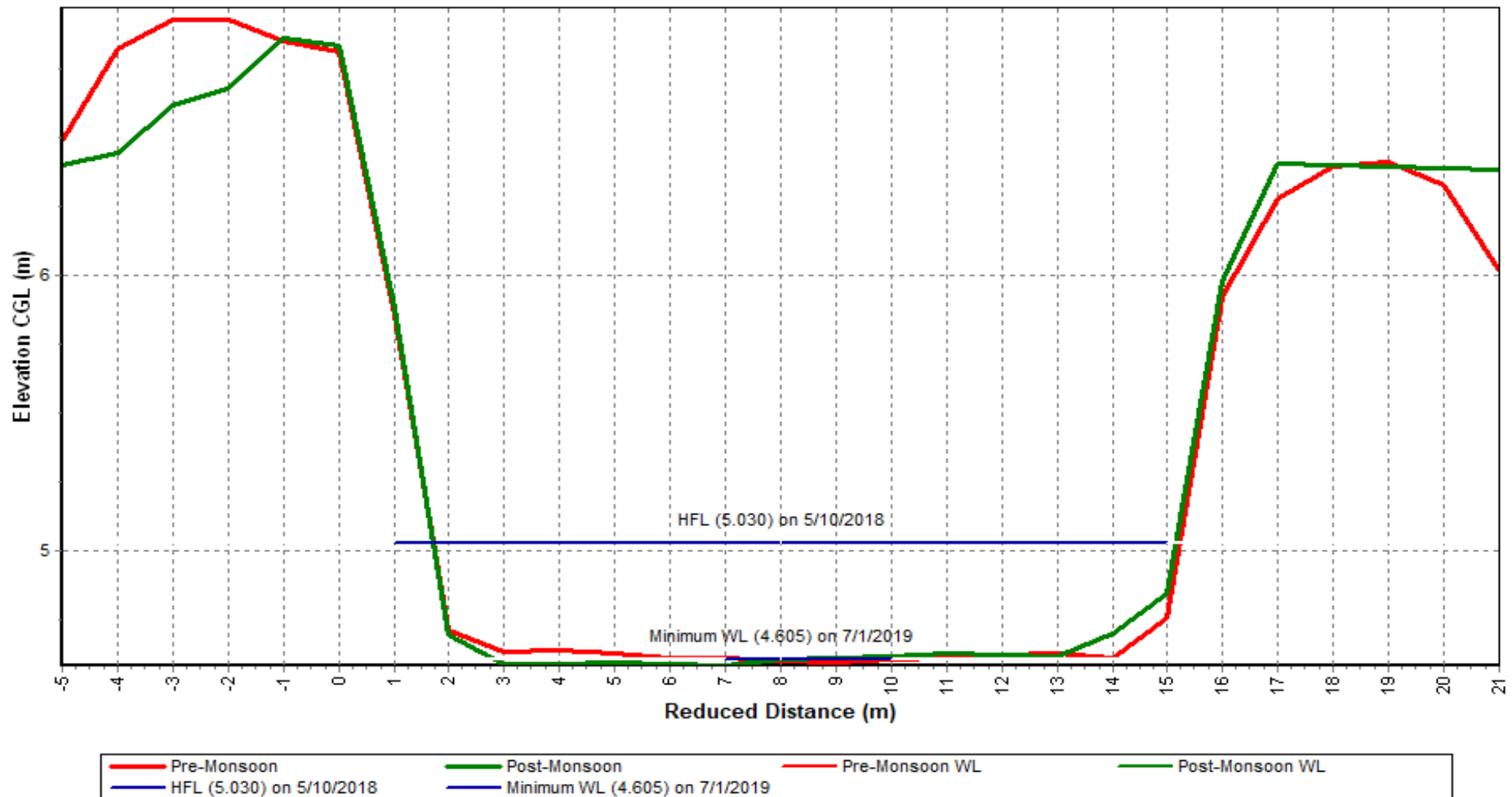
Station Name : Annavasal (CCA21G5)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikal

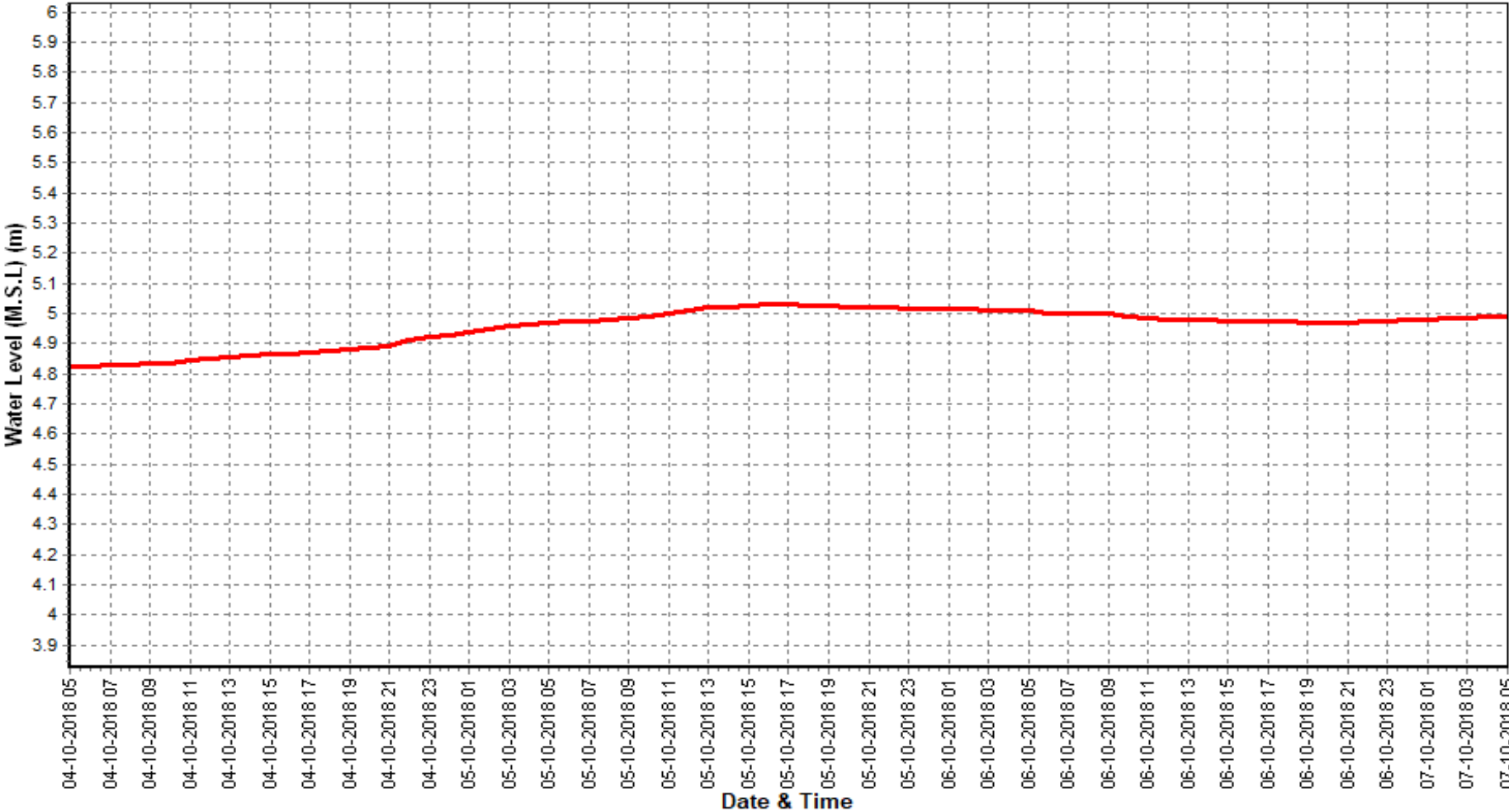
33



Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : Annavasal (CCA21G5)
Local River : Cauvery

Division : Hydrology Division, Chennai
Sub-Division : Cauvery Delta SD, Karaikal



Time Span: 72 Hrs

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

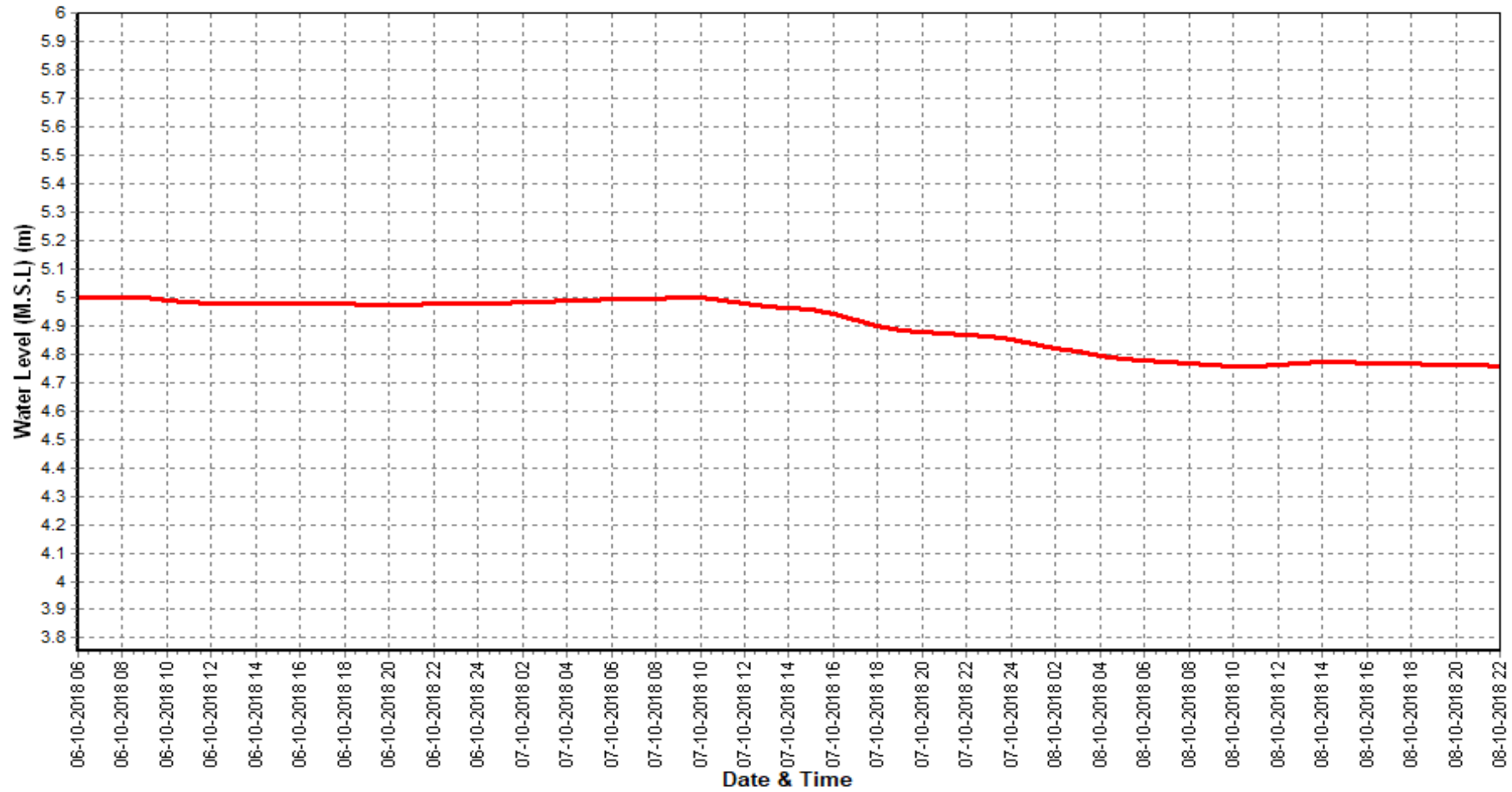
Station Name : Annavasal (CCA21G5)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikal

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Time Span: 72 Hrs

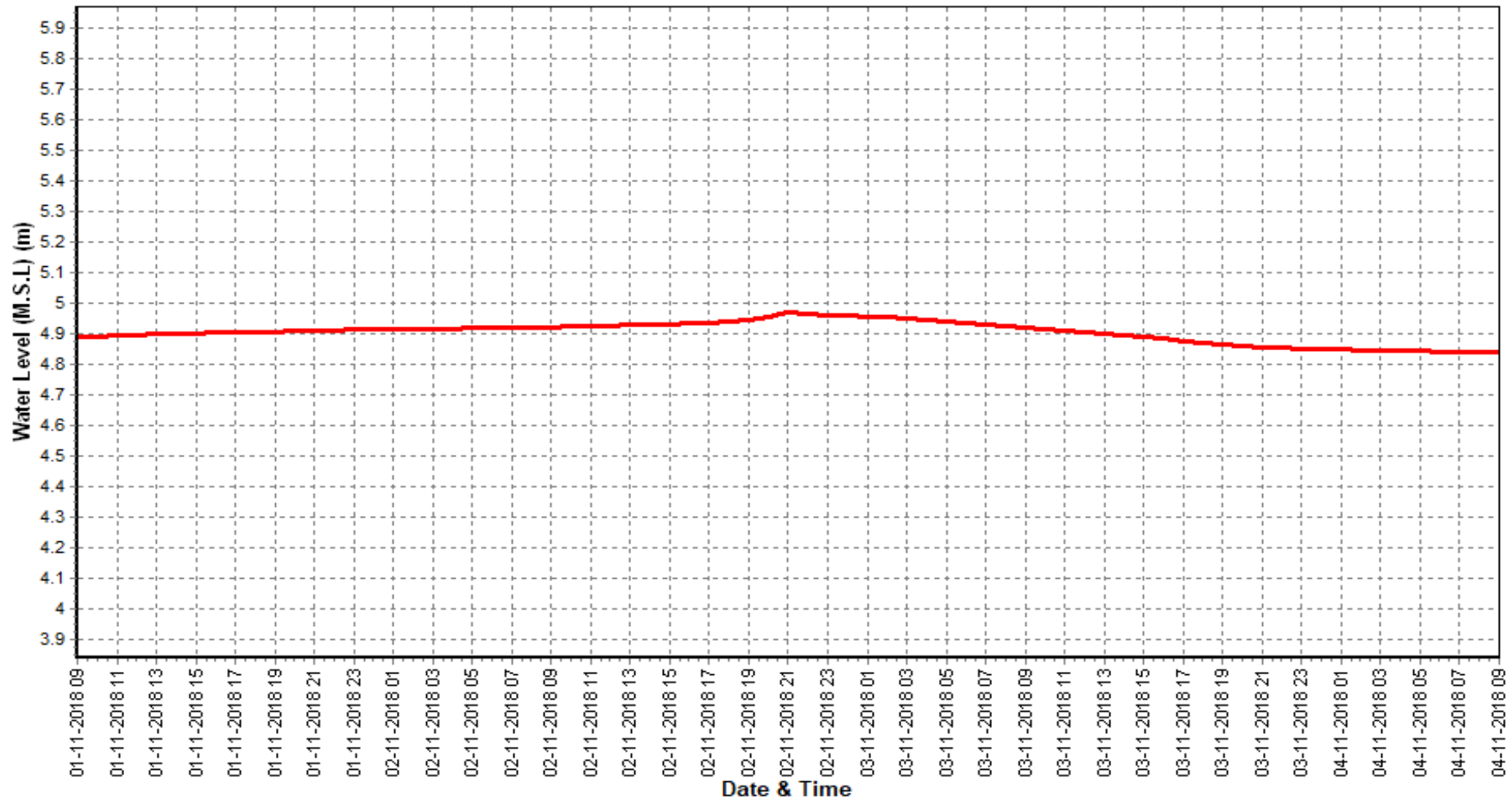
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : Annavasal (CCA21G5)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikal



Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2018-2019

Site : Nallathur

Code : CCA12G3

State : Pondicherry

District : Karaikal

Basin : Cauvery

Independent River : Cauvery

Tributary :

Sub Tributary :

Sub-Sub Tributary :

Local River : Nandalar

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikal

Drainage Area : Sq. Km.

Bank : Right

Latitude : 11°00'08"

Longitude : 79°45'01"

Zero of Gauge (m) : 0 000 (m.s.l.)

01-06-2006

Opening Date

Closing Date

Gauge : 01-06-2006

Discharge : 01-06-2006

Sediment :

Water Quality : 01-09-2008

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l.)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2006-2007	47.74	4.590	29-10-2006	0.000	Dry Bed	01-06-2006
2007-2008	69.41	4.755	20-12-2007	0.000	Dry Bed	01-06-2007
2008-2009	92.33	5.665	28-11-2008	0.000	1.870	01-06-2008
2009-2010	48.13	4.860	17-12-2009	0.000	1.680	01-06-2009
2010-2011	50.56	4.810	29-11-2010	0.000	1.540	01-06-2010
2011-2012	57.37	3.725	01-11-2011	0.000	Dry Bed	01-06-2011
2012-2013	50.67	4.545	01-11-2012	0.000	Dry Bed	01-06-2012
2013-2014	43.82	3.810	07-11-2013	0.000	Dry Bed	01-06-2013
2014-2015	87.15	4.970	22-10-2014	0.000	Dry Bed	01-06-2014
2015-2016	56.36	4.445	23-11-2015	0.000	2.110	07-06-2015
2016-2017	15.67	3.130	28-01-2017	0.000	Dry Bed	01-07-2016
2017-2018	47.13	4.240	03-12-2017	0.000	Dry Bed	01-06-2017

Stage-Discharge Data for the period 2018 - 2019

Station Name : Nallathur (CCA12G3)

Local River : Nandalar

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1		0.000		0.000		0.000	2.165	0.000	2.250	0.168	2.690	0.000
2		0.000		0.000		0.000	2.170	0.000	2.280	0.317 *	3.265	15.80
3		0.000		0.000		0.000	2.115	0.000	2.300	0.423 #	4.025	43.69
4		0.000		0.000		0.000	2.070	0.000	2.990	11.10	3.610	26.70 *
5		0.000		0.000		0.000	2.050	0.000	3.775	30.30	2.985	11.24
6		0.000		0.000		0.000		0.000	3.620	25.16	2.850	0.000
7		0.000		0.000		0.000		0.000	3.560	25.12 *	2.800	0.000
8		0.000		0.000		0.000		0.000	3.570	23.26	2.900	0.000
9		0.000		0.000		0.000		0.000	3.590	0.000	2.945	0.000
10		0.000		0.000		0.000		0.000	3.505	0.000	3.050	0.000
11		0.000		0.000		0.000		0.000	3.410	0.000	2.820	0.000
12		0.000		0.000		0.000		0.000	2.750	0.000	2.620	0.000
13		0.000		0.000		0.000		0.000	2.500	0.000	2.495	0.000
14		0.000		0.000		0.000		0.000	2.310	0.000	2.440	0.000
15		0.000		0.000		0.000		0.000	2.295	0.000	2.390	0.000
16		0.000		0.000		0.000		0.000	2.260	0.000	2.400	0.000
17		0.000		0.000		0.000		0.000	2.245	0.000	2.380	0.000
18		0.000		0.000		0.000		0.000	2.240	0.000	2.375	0.000
19		0.000		0.000		0.000		0.000	2.285	0.000	2.395	0.000
20		0.000		0.000		0.000		0.000	2.305	0.000	2.435	0.000
21		0.000		0.000		0.000		0.000	2.270	0.000	2.505	0.000
22		0.000		0.000		0.000		0.000	2.345	0.000	2.960	11.16
23		0.000		0.000		0.000	2.075	0.000	2.550	0.000	2.995	10.22 *
24		0.000		0.000		0.000	2.040	0.000	2.690	0.000	3.595	24.41
25		0.000		0.000		0.000	1.860	0.000	2.695	0.000	3.515	23.74 *
26		0.000		0.000		0.000		0.000	2.590	0.000	2.800	6.423 #
27		0.000		0.000	2.345	0.673		0.000	2.605	0.000	3.370	19.50 #
28		0.000		0.000	2.300	0.423 #		0.000	2.590	0.000	3.310	0.000
29		0.000		0.000	2.240	0.153	2.140	0.000	2.610	0.000	3.300	0.000
30		0.000		0.000	2.180	0.005 #	2.165	0.000	2.585	0.000	3.770	32.02 #
31				0.000	2.175	0.002 #			2.590	0.000		
Ten-Daily Mean												
I Ten-Daily		0.000		0.000		0.000	2.114	0.000	3.144	11.59	3.112	9.743
II Ten-Daily		0.000		0.000		0.000		0.000	2.460	0.000	2.475	0.000
III Ten-Daily		0.000		0.000	2.248	0.114	2.056	0.000	2.556	0.000	3.212	12.75
Monthly												
Min.		0.000		0.000	2.175	0.000	1.860	0.000	2.240	0.000	2.375	0.000
Max.		0.000		0.000	2.345	0.673	2.170	0.000	3.775	30.30	4.025	43.69
Mean		0		0	2.248	0.041	2.085	0	2.715	3.737	2.933	7.497

Annual Runoff in MCM = 37 Annual Runoff in mm =

Peak Observed Discharge = 43.69 cumecs on 03-11-2018 Corres. Water Level :4.025 m

Lowest Observed Discharge = 0.000 cumecs on 01-06-2018

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Nallathur (CCA12G3)

Local River : Nandalar

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	2.870	10.99	2.670	0.000	2.175	0.000	2.080	0.000	1.840	0.000		0.000
2	2.900	12.72 *	2.630	0.000	2.180	0.000	2.070	0.000	1.840	0.000		0.000
3	2.800	0.000	2.570	0.000	2.165	0.000	2.070	0.000		0.000		0.000
4	2.445	1.711	2.555	0.000	2.160	0.000	2.060	0.000		0.000		0.000
5	2.900	12.72 #	2.525	0.000	2.140	0.000	2.000	0.000		0.000		0.000
6	2.505	3.198	2.480	0.000	2.120	0.000	2.000	0.000		0.000		0.000
7	2.950	14.57 #	2.430	0.000	2.100	0.000	1.990	0.000		0.000		0.000
8	2.760	0.000	2.405	0.000	2.095	0.000	1.980	0.000		0.000		0.000
9	2.700	0.000	2.375	0.000	2.085	0.000	1.970	0.000		0.000		0.000
10	2.625	0.000	2.305	0.000	2.080	0.000	1.960	0.000		0.000		0.000
11	2.585	0.000	2.270	0.000	2.095	0.000	1.950	0.000		0.000		0.000
12	2.540	0.000	2.245	0.000	2.095	0.000	1.940	0.000		0.000		0.000
13	2.500	0.000	2.210	0.000	2.100	0.000	1.940	0.000		0.000		0.000
14	2.465	0.000	2.220	0.000	2.100	0.000	1.930	0.000		0.000		0.000
15	2.430	0.000	2.230	0.000	2.095	0.000	1.910	0.000		0.000		0.000
16	2.400	0.000	2.250	0.000	2.100	0.000	1.890	0.000		0.000		0.000
17	2.330	0.000	2.275	0.000	2.090	0.000	1.880	0.000		0.000		0.000
18	2.275	0.000	2.305	0.000	2.090	0.000	1.860	0.000		0.000		0.000
19	2.225	0.000	2.340	0.000	2.095	0.000	1.860	0.000		0.000		0.000
20	2.195	0.000	2.370	0.000	2.095	0.000	1.860	0.000		0.000		0.000
21	2.180	0.000	2.350	0.000	2.090	0.000	1.865	0.000		0.000		0.000
22	2.200	0.000	2.325	0.000	2.100	0.000	1.870	0.000		0.000		0.000
23	2.215	0.000	2.295	0.000	2.100	0.000	1.870	0.000		0.000		0.000
24	2.740	8.055	2.265	0.000	2.100	0.000	1.865	0.000		0.000		0.000
25	3.120	21.92 *	2.230	0.000	2.100	0.000	1.860	0.000		0.000		0.000
26	3.180	0.000	2.210	0.000	2.105	0.000	1.860	0.000		0.000		0.000
27	3.020	0.000	2.190	0.000	2.100	0.000	1.860	0.000		0.000		0.000
28	2.930	0.000	2.180	0.000	2.090	0.000	1.850	0.000		0.000		0.000
29	2.820	0.000	2.165	0.000			1.850	0.000		0.000		0.000
30	2.730	0.000	2.150	0.000			1.840	0.000		0.000		0.000
31	2.690	0.000	2.160	0.000			1.840	0.000				0.000
Ten-Daily Mean												
I Ten-Daily	2.746	5.591	2.495	0.000	2.130	0.000	2.018	0.000	1.840	0.000		0.000
II Ten-Daily	2.395	0.000	2.272	0.000	2.095	0.000	1.902	0.000		0.000		0.000
III Ten-Daily	2.711	2.725	2.229	0.000	2.098	0.000	1.857	0.000		0.000		0.000
Monthly												
Min.	2.180	0.000	2.150	0.000	2.080	0.000	1.840	0.000	1.840	0.000		0.000
Max.	3.180	21.92	2.670	0.000	2.180	0.000	2.080	0.000	1.840	0.000		0.000
Mean	2.620	2.77	2.328	0	2.109	0	1.924	0	1.840	0		0

Peak Computed Discharge = 26.70 cumecs on 04-11-2018

Corres. Water Level :3.61 m

Lowest Computed Discharge = 0.317 cumecs on 02-10-2018

Corres. Water Level :2.28 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

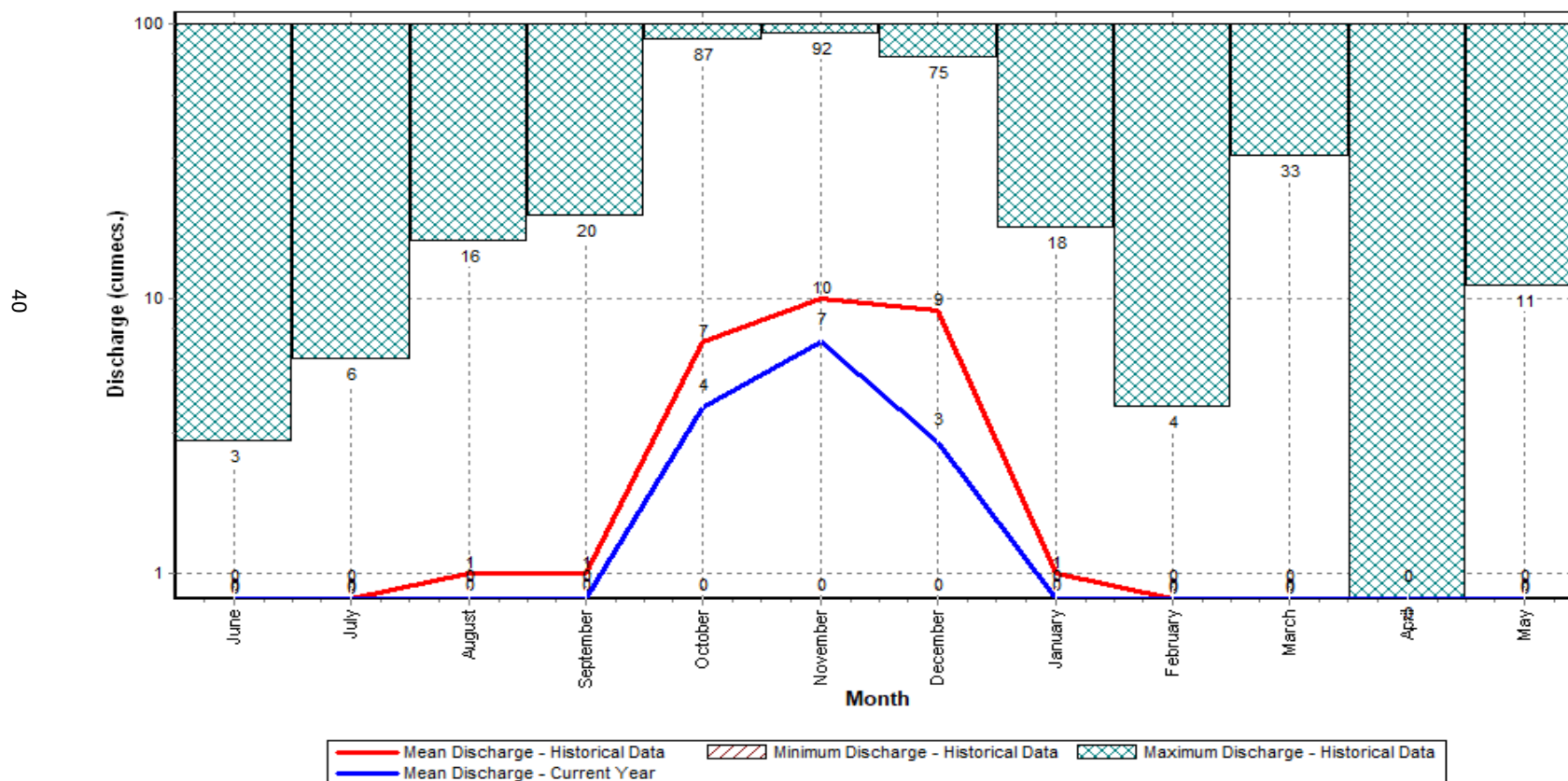
Station Name : Nallathur (CCA12G3)

Data considered : 2006-2019

Local River : Nandalar

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal



Annual Runoff Values for the period: 2006 - 2019

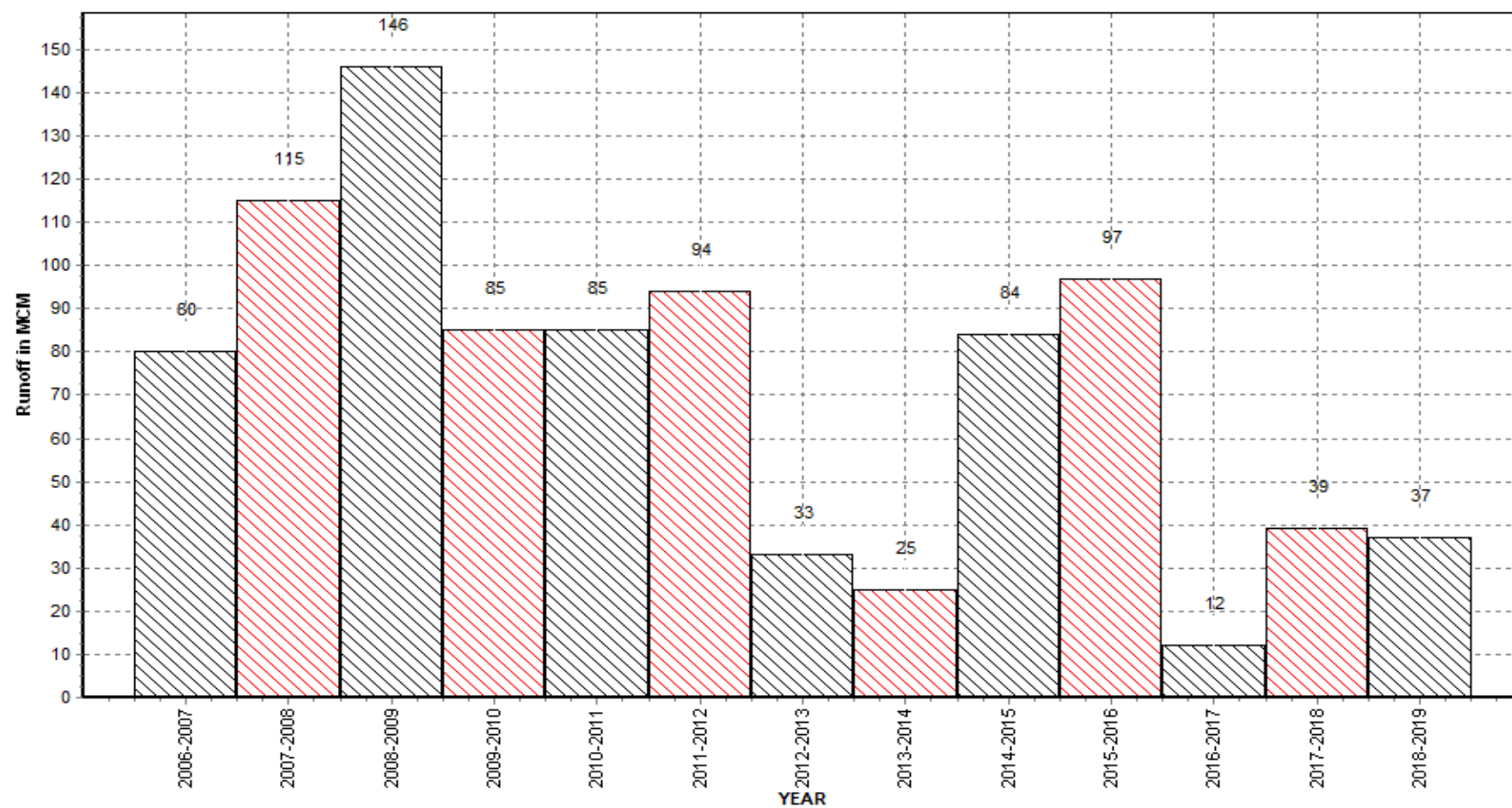
Station Name : Nallathur (CCA12G3)

Local River : Nandalar

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal

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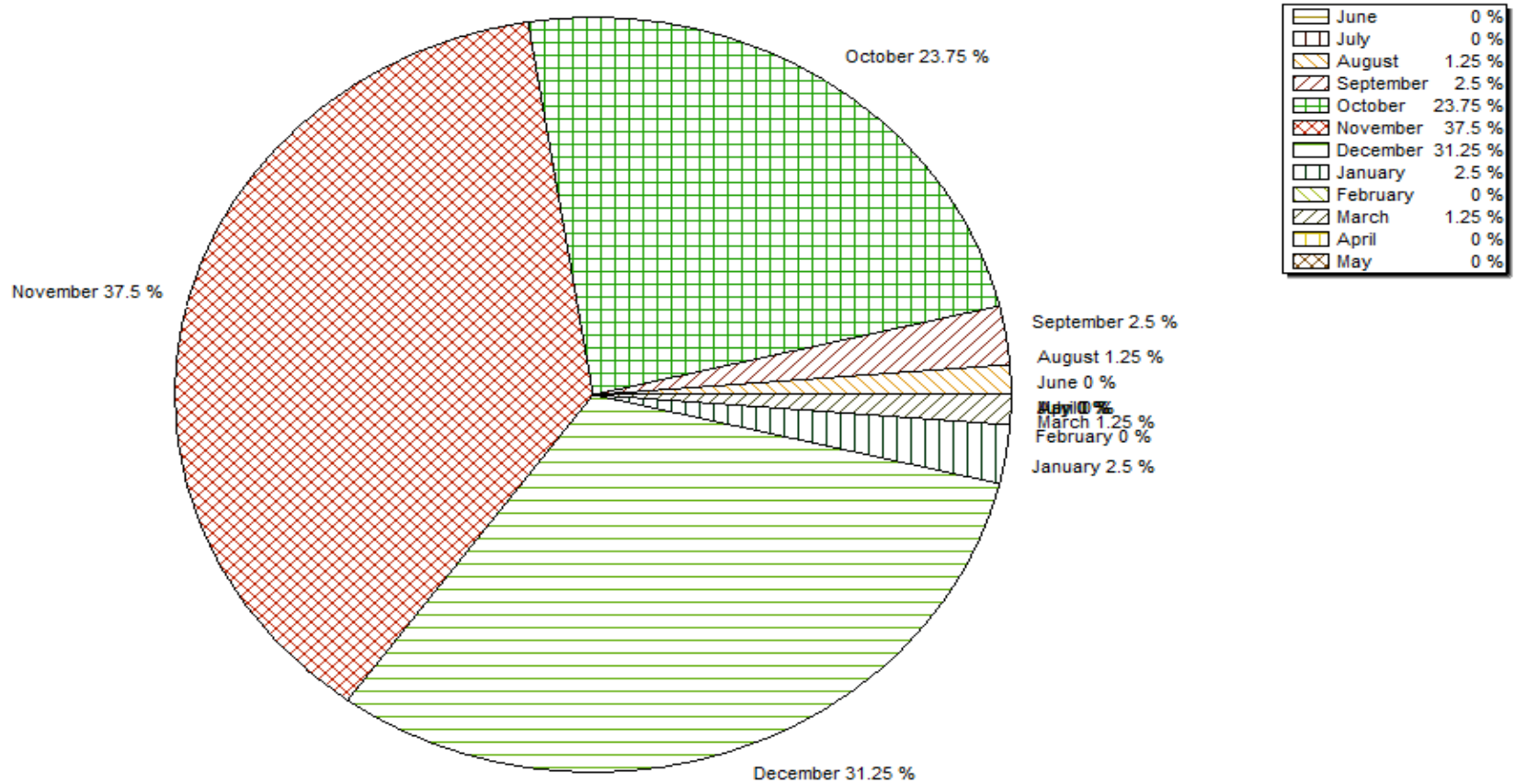


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Nallathur (CCA12G3)
Local River : Nandalar

Monthly Average Runoff based on period : 2006-2018

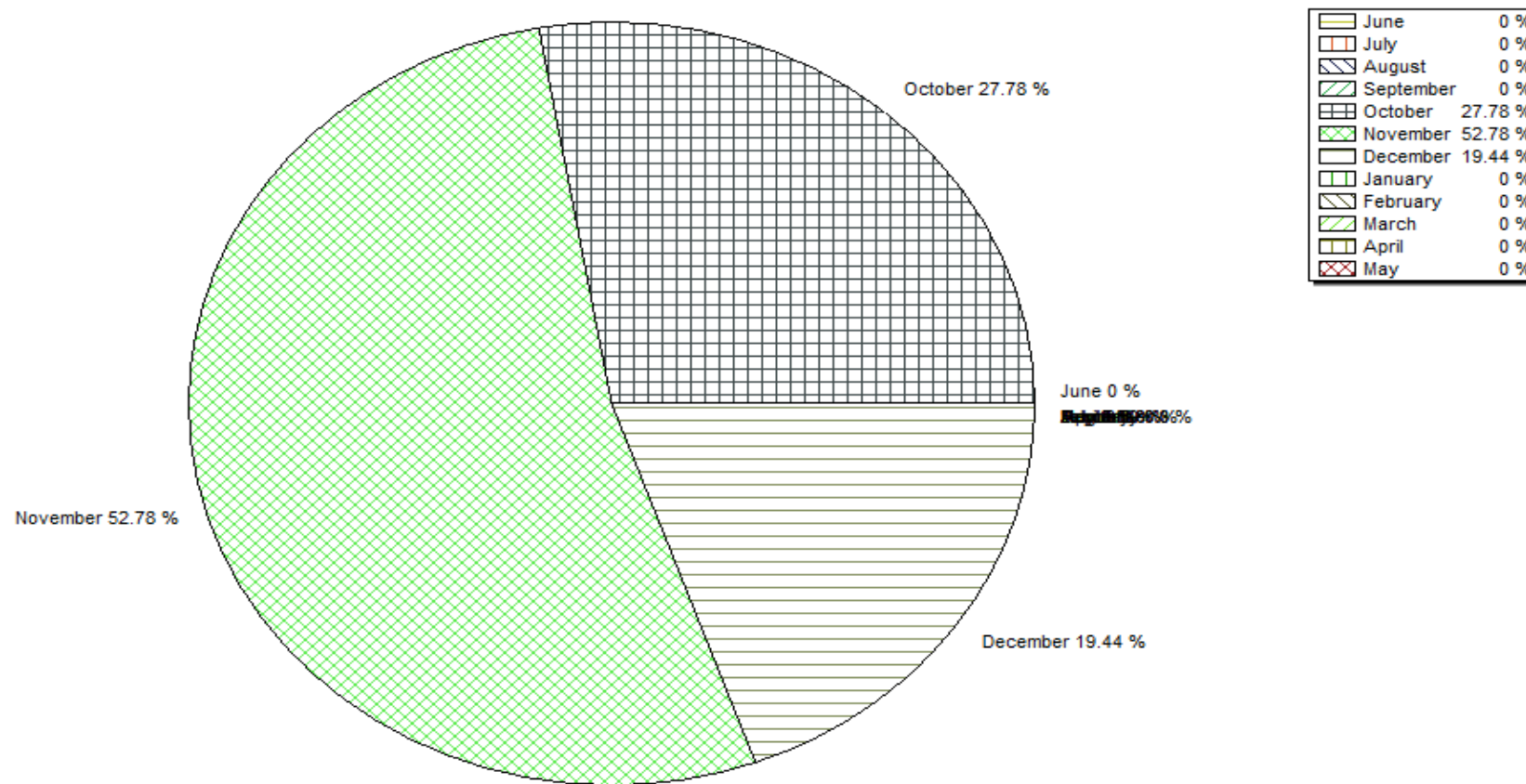
Division : Hydrology Division, Chennai
Sub-Division : Cauvery Delta SD, Karaikkal



Station Name : Nallathur (CCA12G3)
Local River : Nandalar

Monthly Runoff for the Year : 2018-2019

Division : Hydrology Division, Chennai
Sub-Division : Cauvery Delta SD, Karaikkal



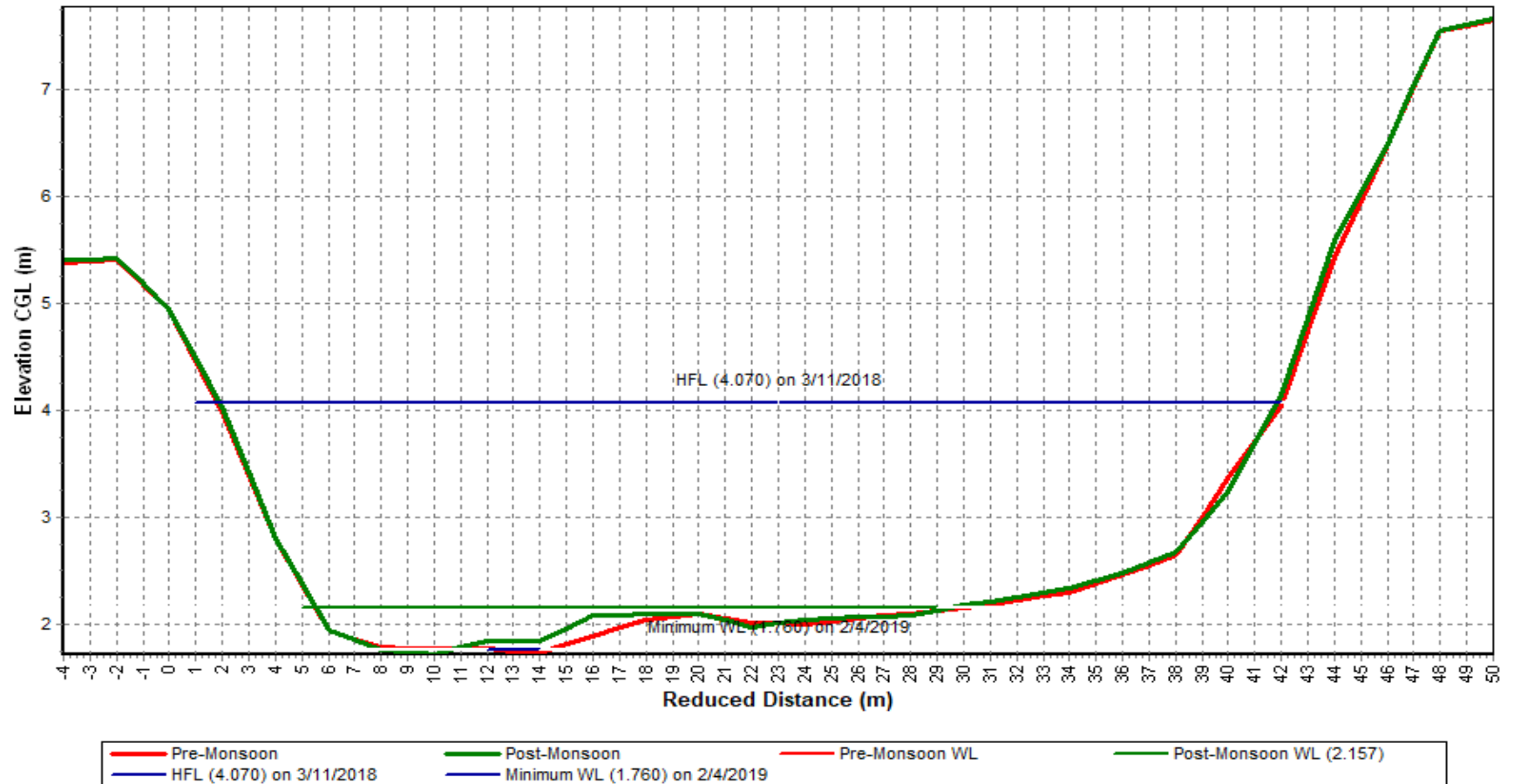
Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : Nallathur (CCA12G3)

Local River : Nandalar

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal



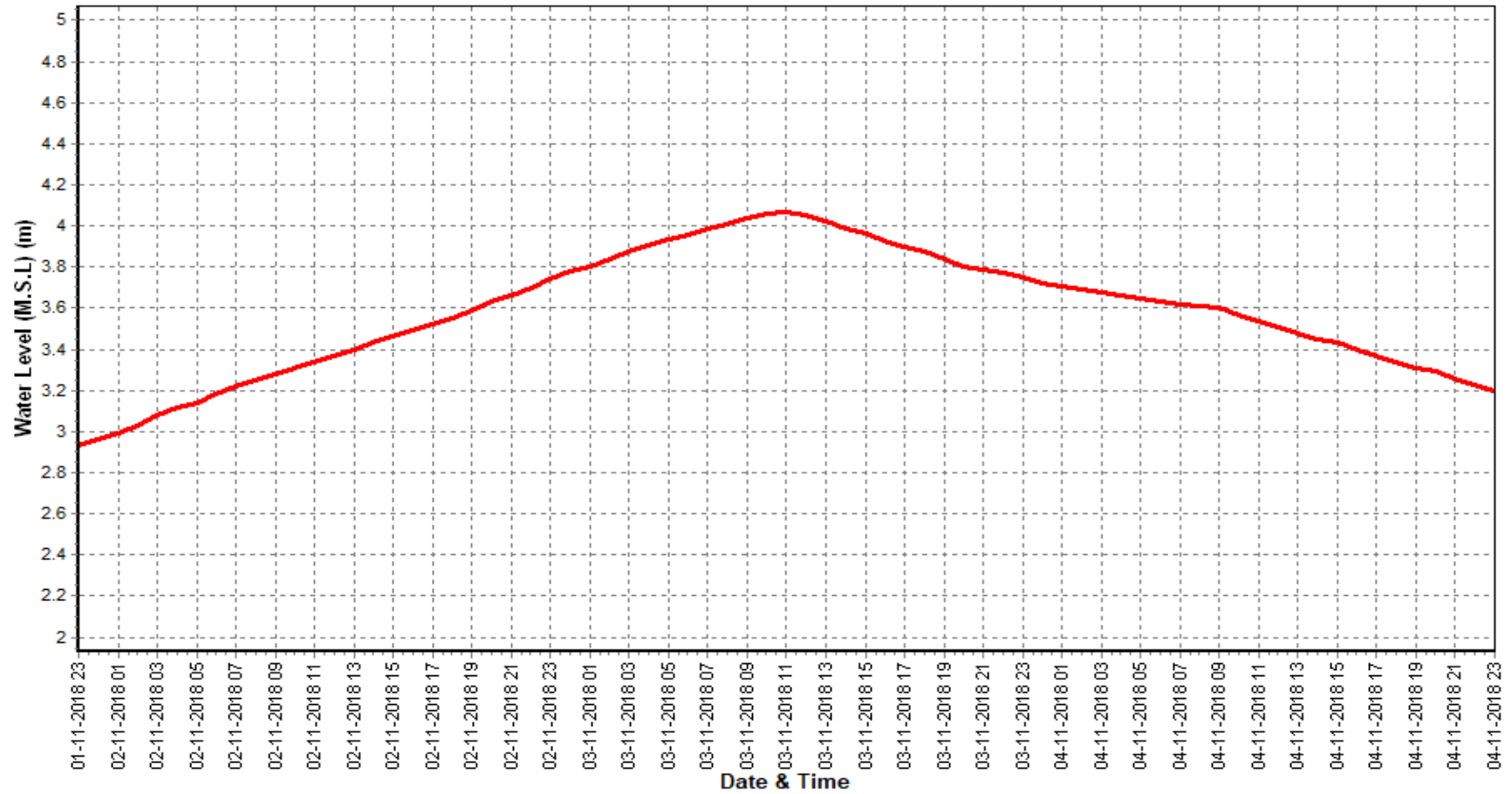
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : Nallathur (CCA12G3)

Local River : Nandalar

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal



Time Span: 72 Hrs

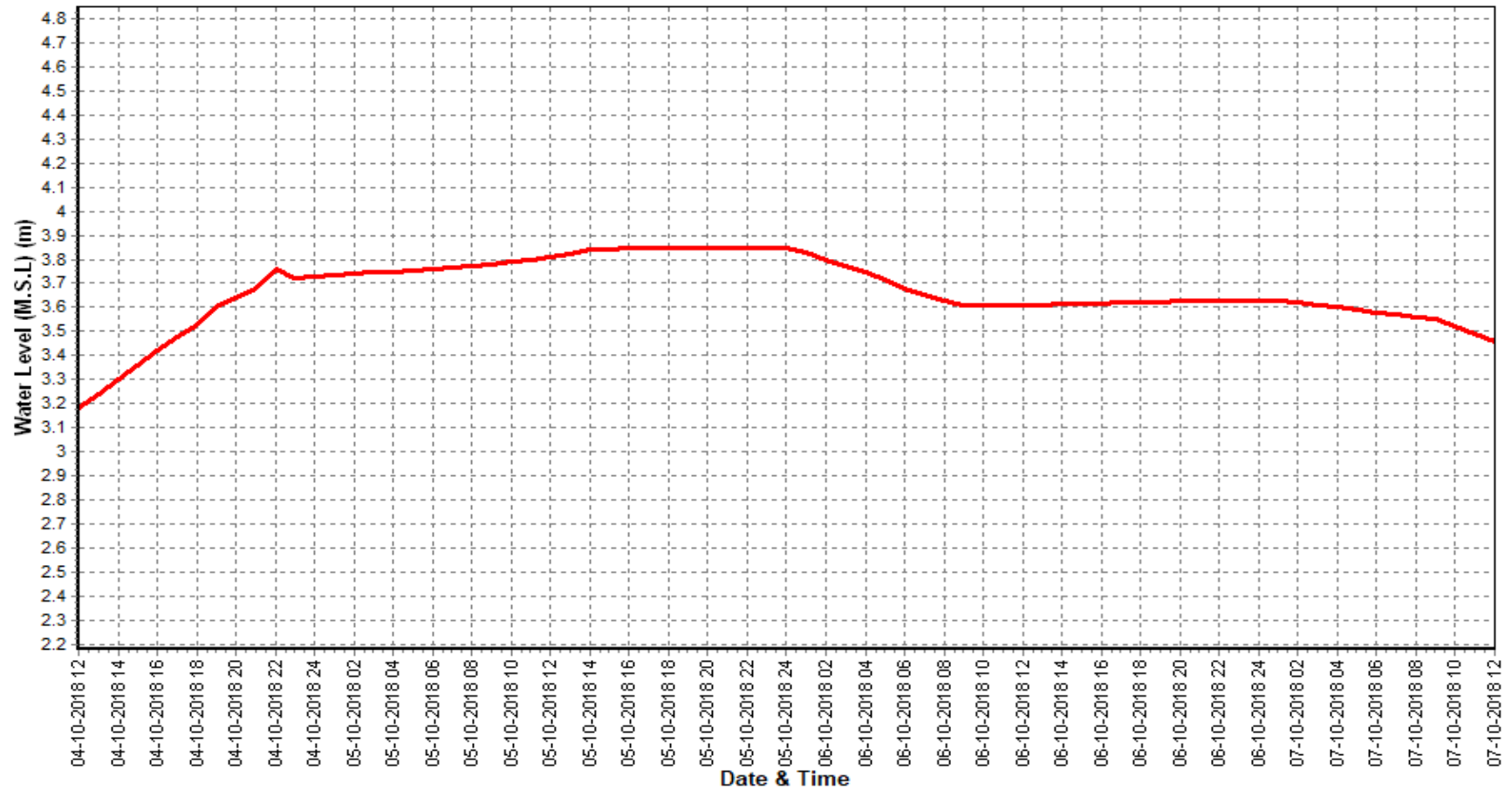
Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : Nallathur (CCA12G3)

Local River : Nandalar

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal



Time Span: 72 Hrs

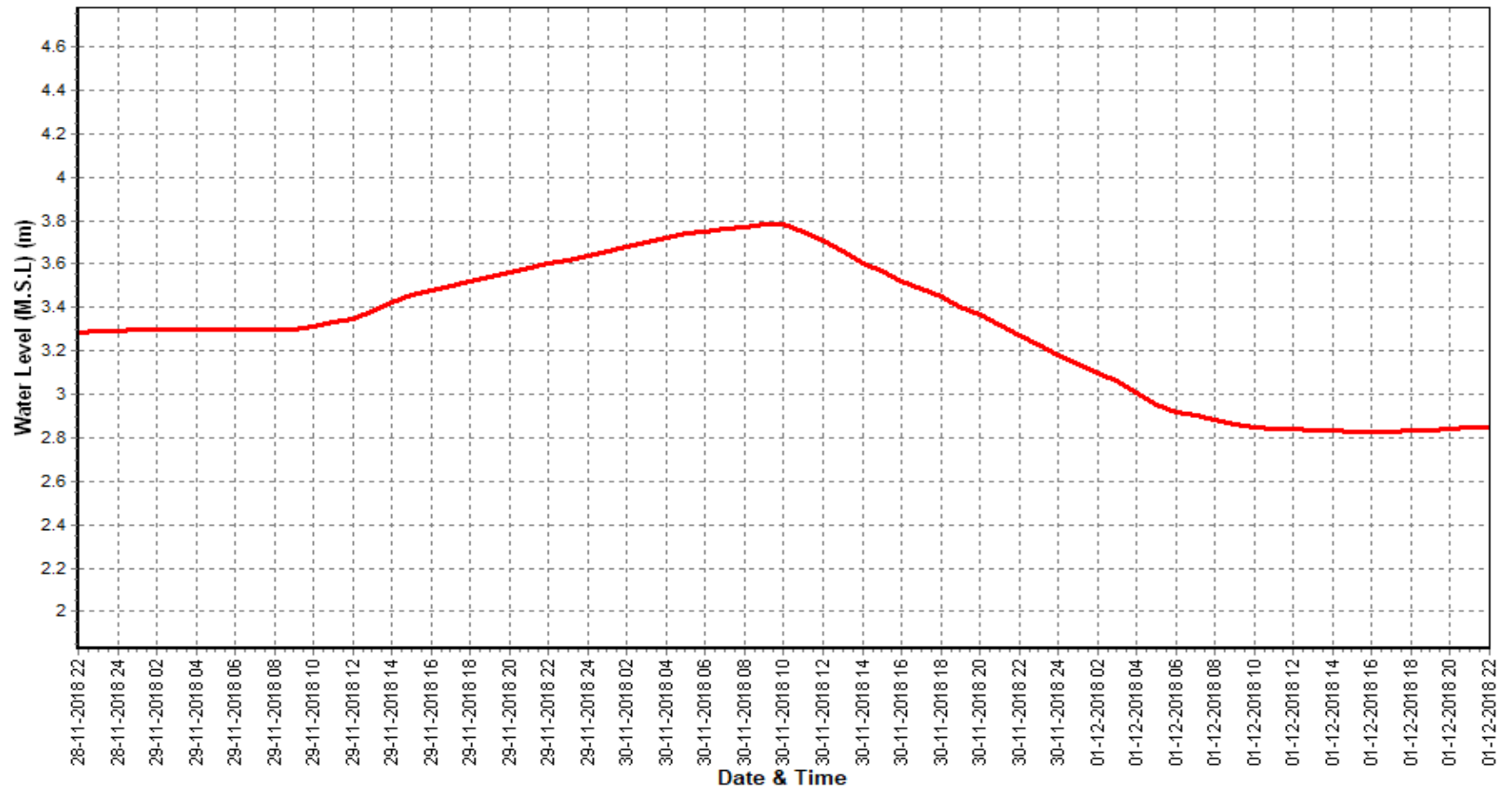
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : Nallathur (CCA12G3)

Local River : Nandalar

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal



Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2018-2019

Site : Menangudi

Code : CCA23N4

State : Tamil Nadu

District : Tiruvarur

Basin : Cauvery

Independent River : Cauvery

Tributary :

Sub Tributary :

Sub-Sub Tributary :

Local River : Noolar

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikal

Drainage Area : Sq. Km.

Bank : Left

Latitude : 10°56'56"

Longitude : 79°42'14"

Zero of Gauge (m) : 4.280 (m.s.l)
4.000 (m.s.l)08-08-1996 - 28-02-1997
01-03-1997

Opening Date

Closing Date

Gauge : 08-08-1996

Discharge : 21-08-1996

Sediment :

Water Quality : 01-09-2005

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1997-1998	17.59	7.940	10-11-1997	0.000	Dry Bed	01-06-1997
1998-1999	18.03	6.990	22-08-1998	0.000	Dry Bed	01-06-1998
1999-2000	DATA NOT PUBLISHED					
2000-2001	DATA NOT PUBLISHED					
2001-2002	DATA NOT PUBLISHED					
2002-2003	DATA NOT PUBLISHED					
2003-2004	DATA NOT PUBLISHED					
2004-2005	6.220	6.750	14-12-2004	0.000	Dry Bed	01-06-2004
2005-2006	10.17	6.990	28-12-2005	0.000	Dry Bed	01-06-2005
2006-2007	16.16	7.280	11-10-2006	0.000	Dry Bed	01-06-2006
2007-2008	13.88	7.150	20-12-2007	0.000	Dry Bed	01-06-2007
2008-2009	26.24	7.760	27-11-2008	0.000	Dry Bed	01-06-2008
2009-2010	26.51	7.060	08-11-2009	0.000	Dry Bed	01-06-2009
2010-2011	18.79	7.070	31-10-2010	0.000	Dry Bed	01-06-2010
2012-2013	43.98	6.960	18-10-2012	0.000	Dry Bed	01-06-2012
2013-2014	15.33	6.950	09-09-2013	0.000	Dry Bed	01-06-2013
2014-2015	25.20	7.125	21-10-2014	0.000	Dry Bed	01-06-2014
2015-2016	12.89	6.780	03-12-2015	0.000	Dry Bed	01-06-2015
2016-2017	2.230	6.135	22-10-2016	0.000	Dry Bed	25-07-2016
2017-2018	13.11	6.990	03-12-2017	0.000	Dry Bed	01-06-2017

Stage-Discharge Data for the period 2018 - 2019

Station Name : Menangudi (CCA23N4)

Division : Hydrology Division, Chennai

Local River : Cauvery

Sub-Division : Cauvery Delta SD, Karaikkal

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1		0.000		0.000	6.570	0.000	5.510	0.000	6.700	0.000	6.505	0.000
2		0.000		0.000	6.495	0.000	5.510	0.000	6.890	0.000	6.525	0.000
3		0.000		0.000	6.500	0.000	5.290	0.000	6.960	0.000	6.600	0.000
4		0.000		0.000	6.530	0.000		0.000	6.950	0.000	6.700	0.000
5		0.000		0.000	6.260	0.000		0.000	6.895	3.682	6.480	0.000
6		0.000		0.000	6.240	0.000		0.000	6.710	2.848	6.445	0.000
7		0.000		0.000	6.240	0.000		0.000	6.700	2.998 *	6.460	0.000
8		0.000		0.000	6.405	0.000		0.000	6.450	2.505	6.460	0.000
9		0.000		0.000	6.255	0.000		0.000	6.715	2.273	6.550	0.000
10		0.000		0.000	5.995	0.000		0.000	6.475	2.267	6.650	0.000
11		0.000		0.000	5.995	0.000		0.000	6.250	1.774	6.320	0.000
12		0.000		0.000	6.200	0.000		0.000	6.225	0.000	5.870	0.000
13		0.000		0.000	6.400	0.000		0.000	5.780	0.000	5.790	0.000
14		0.000		0.000	6.640	0.000		0.000	5.560	0.000	5.540	0.000
15		0.000		0.000	6.700	0.000	5.695	0.000	5.450	0.000	5.450	0.000
16		0.000		0.000	6.830	0.000	5.870	0.000	5.340	0.000	5.580	0.000
17		0.000		0.000	6.900	3.903	5.825	0.000	5.740	0.000	5.830	0.000
18		0.000		0.000	6.783	3.009	5.560	0.000	5.960	0.000	5.550	0.000
19		0.000		0.000	6.890	3.538 *	5.980	0.000	6.080	0.000	6.360	0.000
20		0.000		0.000	6.800	0.000	5.995	0.000	6.150	0.000	6.280	0.000
21		0.000		0.000	6.720	0.000	6.110	0.000	6.560	0.000	6.770	0.000
22		0.000		0.000	6.765	0.000	6.000	0.000	6.460	0.000	6.280	0.000
23		0.000		0.000	6.800	0.000	5.985	0.000	5.960	0.000	6.550	0.000
24		0.000		0.000	6.840	0.000	6.488	2.116	5.700	0.000	6.800	0.000
25		0.000		0.000	6.825	0.000	6.445	2.465	6.370	0.000	6.690	0.000
26		0.000		0.000	6.810	0.000	6.500	2.800	6.560	0.000	6.780	0.000
27		0.000		0.000	6.760	0.000	6.733	3.165	6.610	0.000	6.650	0.000
28		0.000		0.000	6.240	0.000	6.780	3.207	6.640	0.000	6.720	0.000
29		0.000	5.640	0.651 *	5.760	0.000	6.953	3.625	5.790	0.000	6.820	0.000
30		0.000	6.700	2.998 #	5.520	0.000	6.895	3.552 *	5.950	0.000	6.750	0.000
31			6.550	0.000	5.520	0.000			6.210	0.000		
Ten-Daily Mean												
I Ten-Daily		0.000		0.000	6.349	0.000	5.437	0.000	6.745	1.657	6.537	0.000
II Ten-Daily		0.000		0.000	6.614	1.045	5.821	0.000	5.854	0.177	5.857	0.000
III Ten-Daily		0.000	6.297	0.332	6.415	0.000	6.489	2.093	6.255	0.000	6.681	0.000
Monthly												
Min.		0.000	5.640	0.000	5.520	0.000	5.290	0.000	5.340	0.000	5.450	0.000
Max.		0.000	6.700	2.998	6.900	3.903	6.952	3.625	6.960	3.682	6.820	0.000
Mean		0	6.297	0.118	6.458	0.337	6.112	0.698	6.284	0.592	6.359	0

Annual Runoff in MCM = 5 Annual Runoff in mm =

Peak Observed Discharge = 3.903 cumecs on 17-08-2018 Corres. Water Level :6.9 m

Lowest Observed Discharge = 0.000 cumecs on 01-06-2018

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m *:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Menangudi (CCA23N4)

Division : Hydrology Division, Chennai

Local River : Cauvery

Sub-Division : Cauvery Delta SD, Karaikkal

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	6.750	0.000	6.500	0.000	5.360	0.000		0.000		0.000		0.000
2	6.730	0.000	6.370	0.000	5.350	0.000		0.000		0.000		0.000
3	6.800	0.000	6.525	0.000	5.340	0.000		0.000		0.000		0.000
4	6.230	0.000	6.440	0.000	5.390	0.000		0.000		0.000		0.000
5	6.200	0.000	6.250	0.000	5.370	0.000		0.000		0.000		0.000
6	6.770	0.000	5.960	0.000	5.340	0.000		0.000		0.000		0.000
7	6.370	0.000	5.770	0.000	5.280	0.000		0.000		0.000		0.000
8	6.395	0.000	5.655	0.000	5.210	0.000		0.000		0.000		0.000
9	6.380	0.000	5.525	0.000	5.180	0.000		0.000		0.000		0.000
10	6.180	0.000	5.440	0.000	5.110	0.000		0.000		0.000		0.000
11	5.810	0.000	5.425	0.000		0.000		0.000		0.000		0.000
12	5.695	0.000	5.425	0.000		0.000		0.000		0.000		0.000
13	5.665	0.000	6.170	0.000		0.000		0.000		0.000		0.000
14	5.540	0.000	6.195	0.000		0.000		0.000		0.000		0.000
15	5.415	0.000	6.300	0.000		0.000		0.000		0.000		0.000
16	5.320	0.000	6.500	0.000		0.000		0.000		0.000		0.000
17	5.310	0.000	6.520	1.693		0.000		0.000		0.000		0.000
18	6.070	0.000	6.403	1.567		0.000		0.000		0.000		0.000
19	6.530	0.000	5.840	0.000		0.000		0.000		0.000		0.000
20	6.625	0.000	5.440	0.000		0.000		0.000		0.000		0.000
21	6.615	0.000	5.030	0.000		0.000		0.000		0.000		0.000
22	6.160	0.000	5.260	0.000		0.000		0.000		0.000		0.000
23	6.740	0.000	5.500	0.000		0.000		0.000		0.000		0.000
24	6.550	0.000	5.600	0.000		0.000		0.000		0.000		0.000
25	6.570	0.000	5.525	0.000		0.000		0.000		0.000		0.000
26	6.740	0.000	5.500	0.000		0.000		0.000		0.000		0.000
27	6.810	0.000	5.480	0.000		0.000		0.000		0.000		0.000
28	6.330	0.000	5.420	0.000		0.000		0.000		0.000		0.000
29	5.935	0.000	5.400	0.000				0.000		0.000		0.000
30	5.900	0.000	5.385	0.000				0.000		0.000		0.000
31	6.050	0.000	5.370	0.000				0.000				0.000
Ten-Daily Mean												
I Ten-Daily	6.481	0.000	6.043	0.000	5.293	0.000		0.000		0.000		0.000
II Ten-Daily	5.798	0.000	6.022	0.326		0.000		0.000		0.000		0.000
III Ten-Daily	6.400	0.000	5.406	0.000		0.000		0.000		0.000		0.000
Monthly												
Min.	5.310	0.000	5.030	0.000	5.110	0.000		0.000		0.000		0.000
Max.	6.810	0.000	6.525	1.693	5.390	0.000		0.000		0.000		0.000
Mean	6.232	0	5.810	0.105	5.293	0		0		0		0

Peak Computed Discharge = 3.552 cumecs on 30-09-2018

Corres. Water Level :6.895 m

Lowest Computed Discharge = 0.651 cumecs on 29-07-2018

Corres. Water Level :5.64 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m *:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

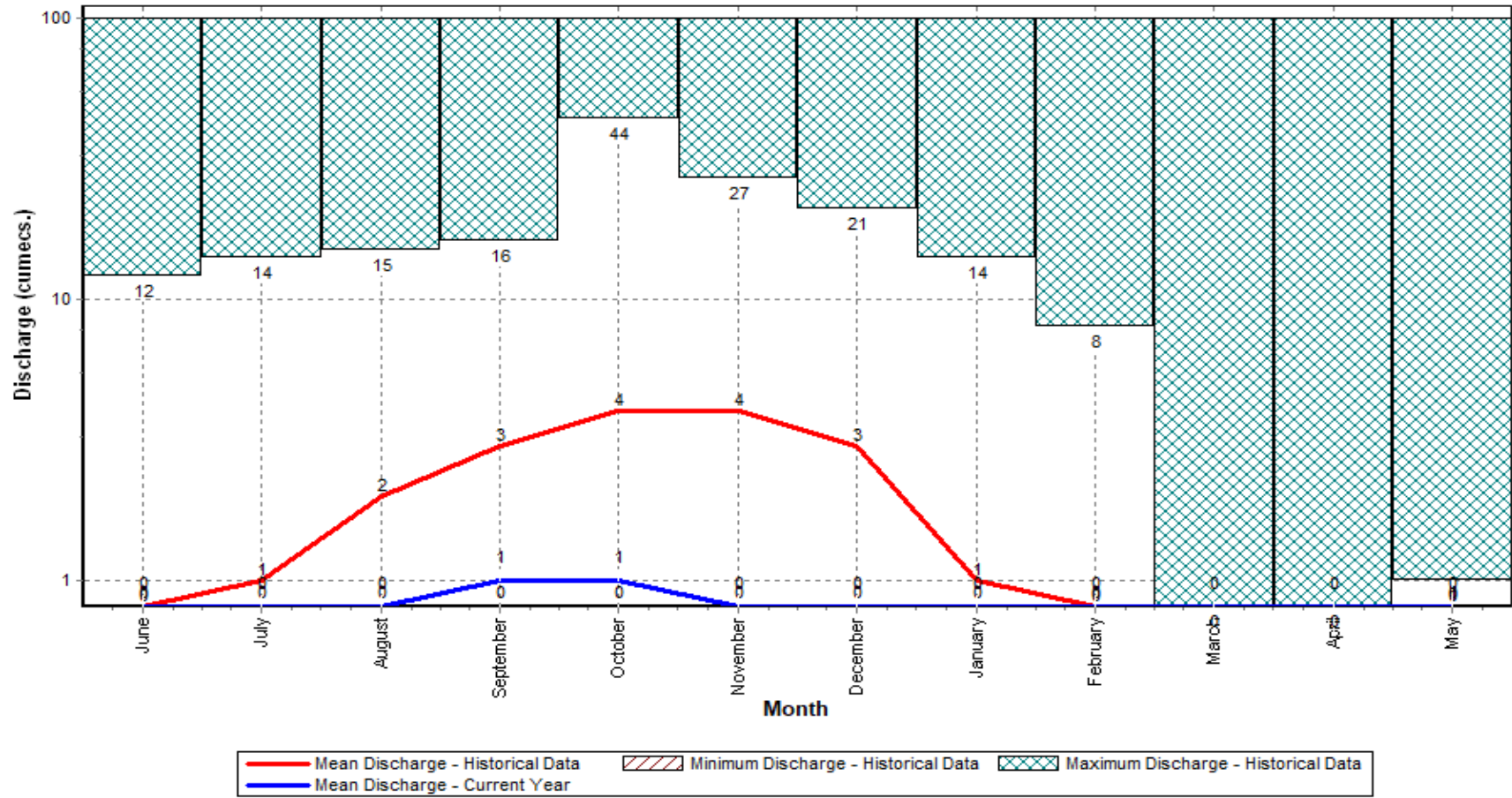
HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

Station Name : Menangudi (CCA23N4)
Local River : Cauvery

Data considered : 2004-2019

Division : Hydrology Division, Chennai
Sub-Division : Cauvery Delta SD, Karaikkal

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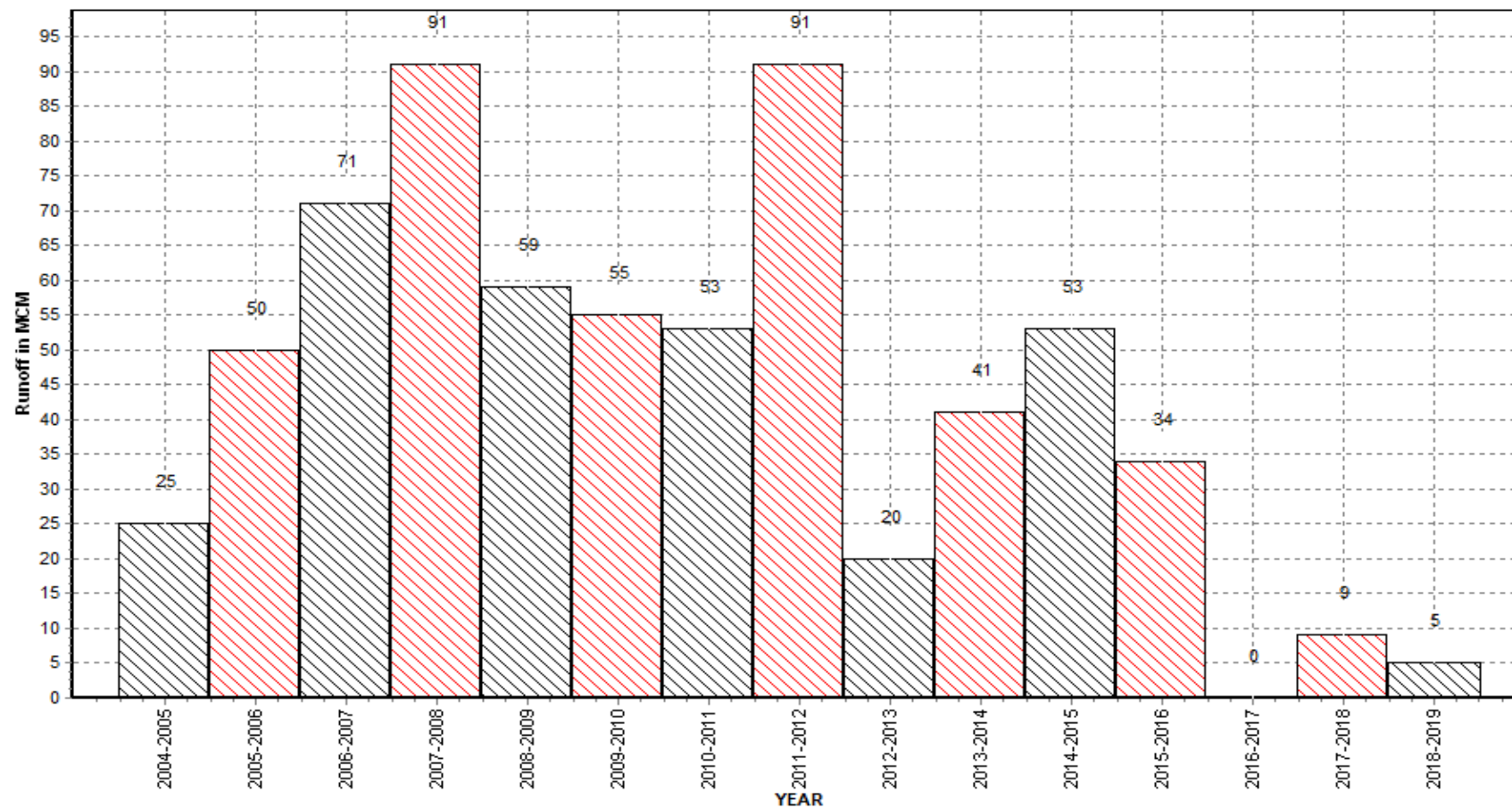


Annual Runoff Values for the period: 2004 - 2019

Station Name : Menangudi (CCA23N4)
Local River : Cauvery

Division : Hydrology Division, Chennai
Sub-Division : Cauvery Delta SD, Karaikkal

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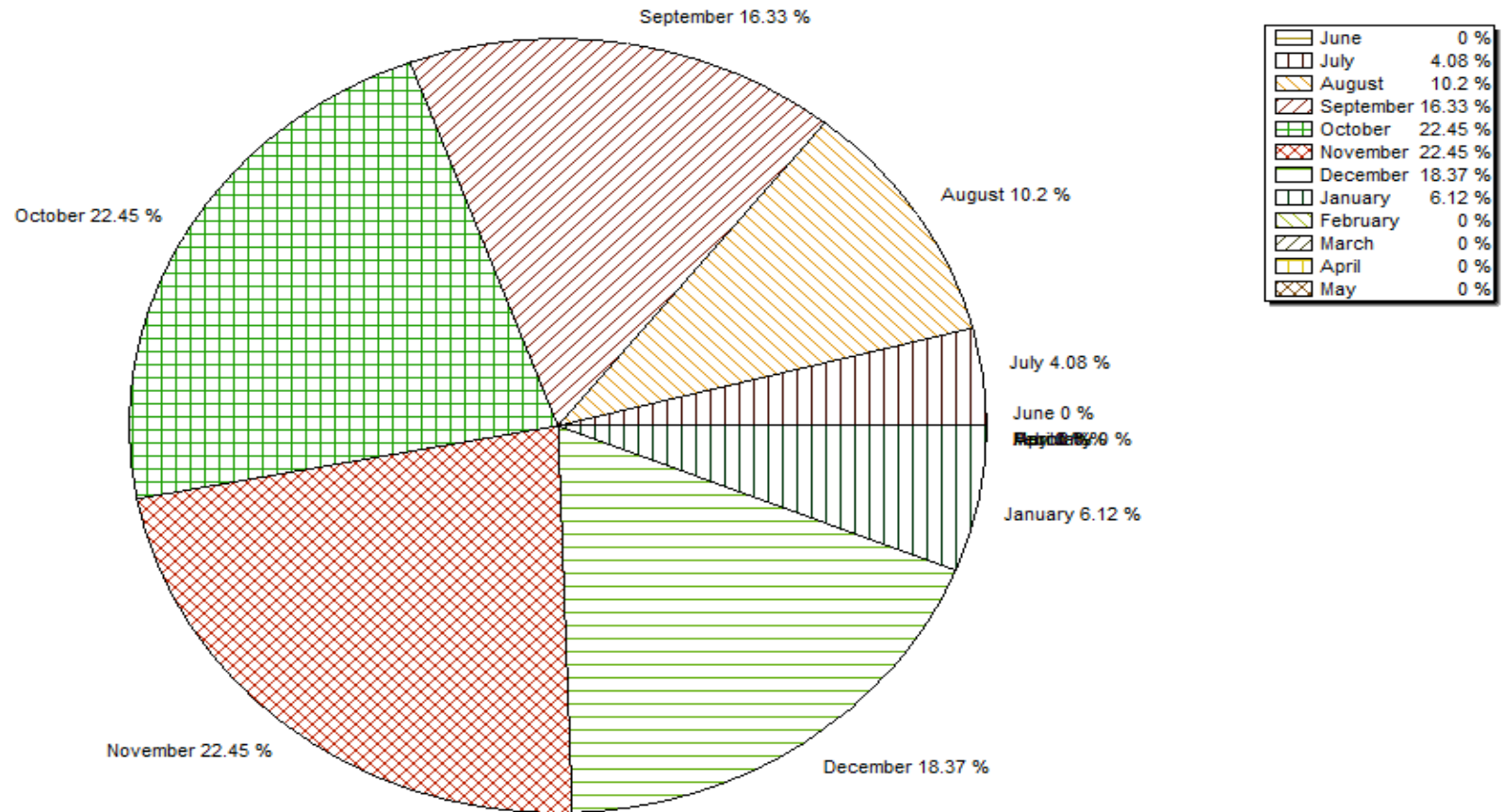


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Menangudi (CCA23N4)
Local River : Cauvery

Monthly Average Runoff based on period : 2004-2018

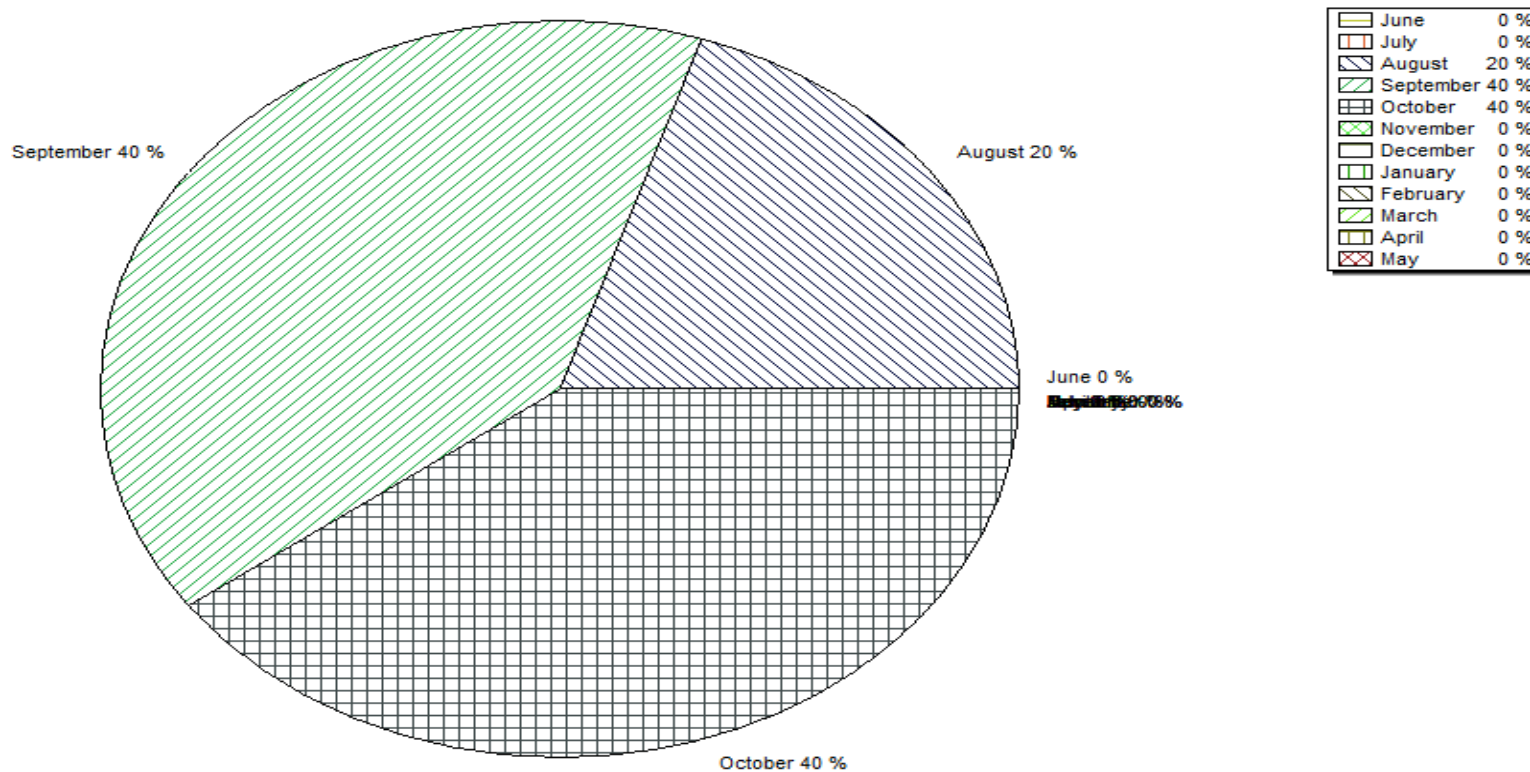
Division : Hydrology Division, Chennai
Sub-Division : Cauvery Delta SD, Karaikkal



Station Name : Menangudi (CCA23N4)
Local River : Cauvery

Monthly Runoff for the Year : 2018-2019

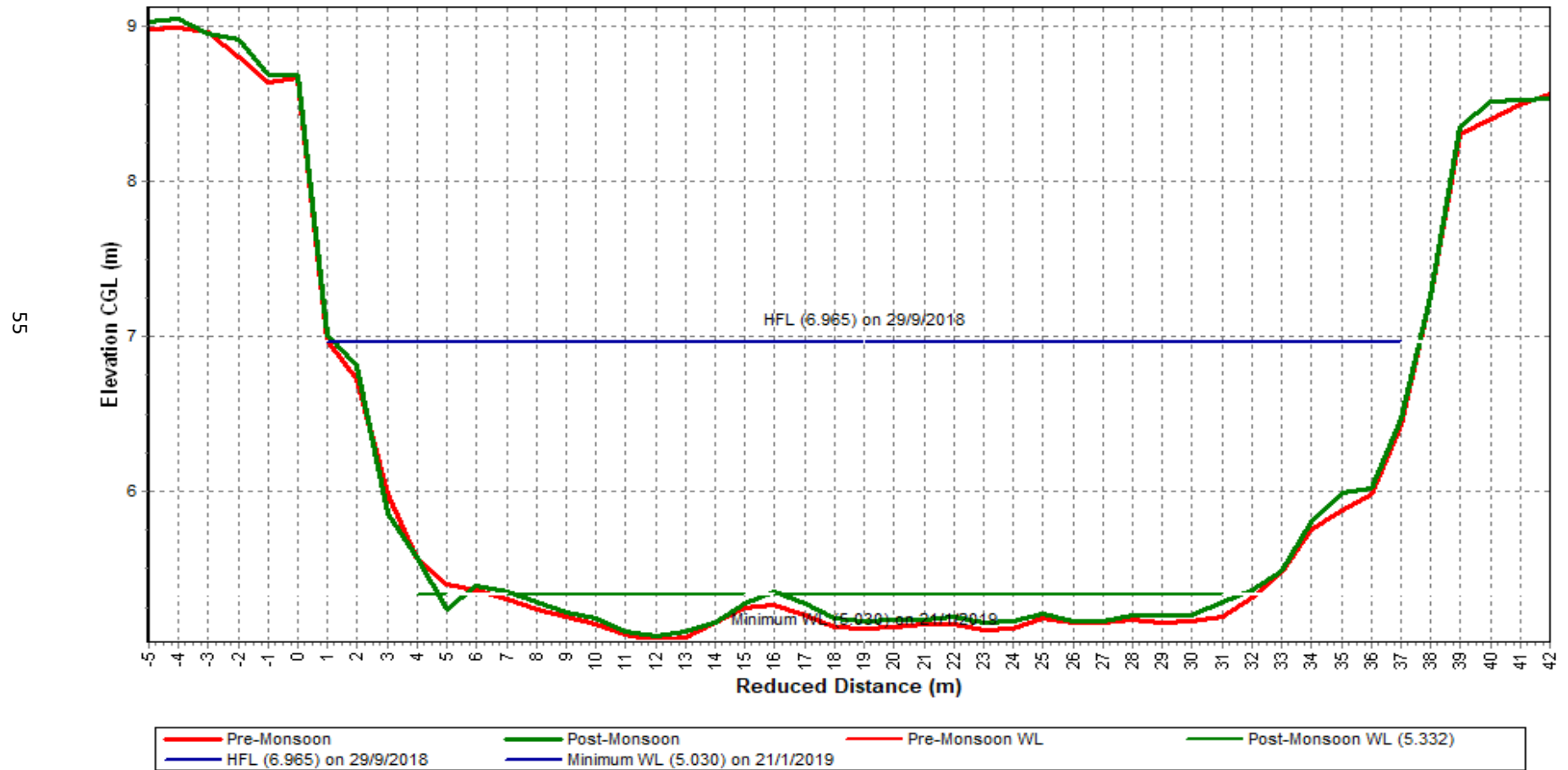
Division : Hydrology Division, Chennai
Sub-Division : Cauvery Delta SD, Karaikkal



Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : Menangudi (CCA23N4)
Local River : Cauvery

Division : Hydrology Division, Chennai
Sub-Division : Cauvery Delta SD, Karaikkal



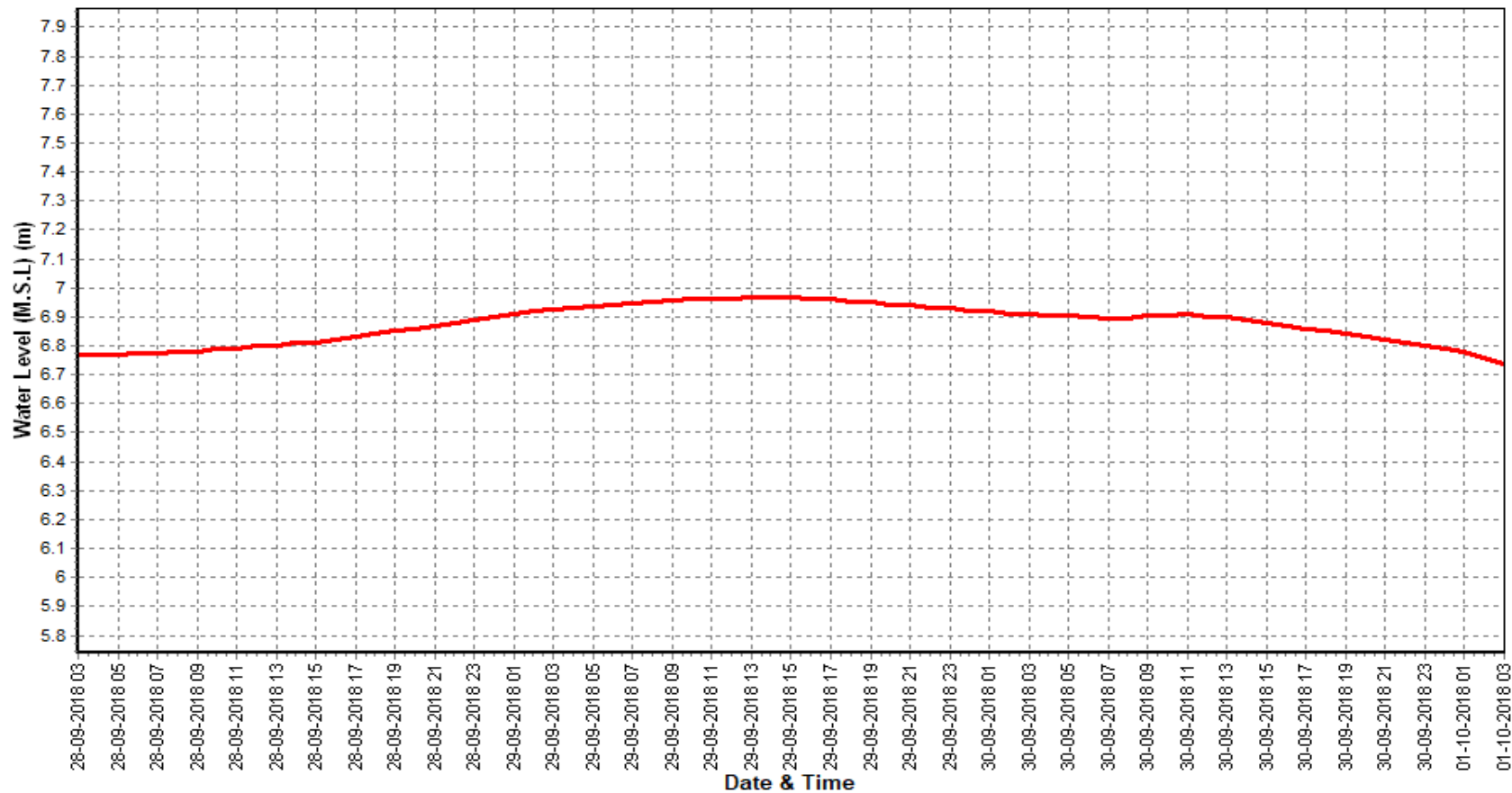
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : Menangudi (CCA23N4)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal



Time Span: 72 Hrs

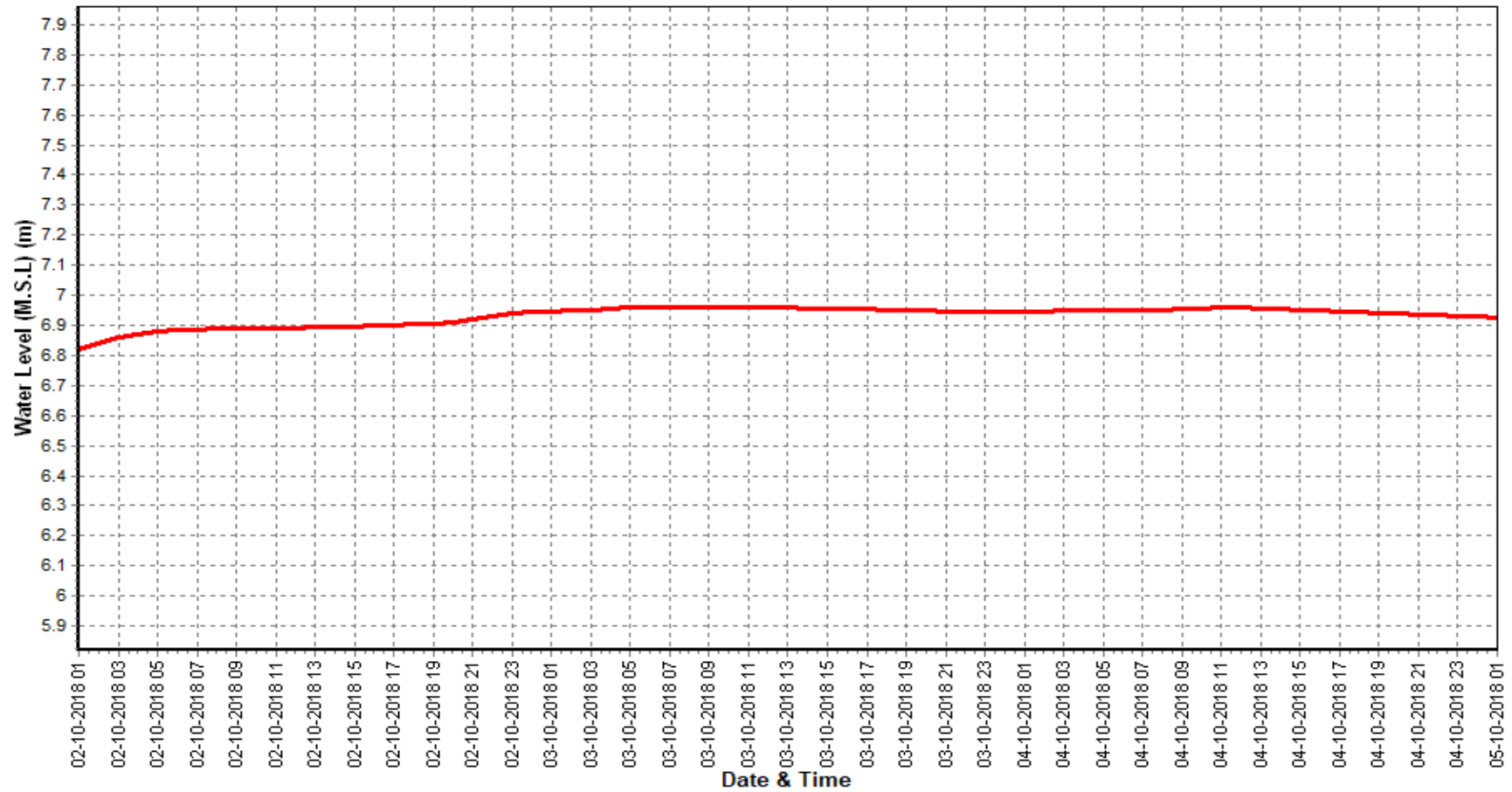
Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : Menangudi (CCA23N4)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal



Time Span: 72 Hrs

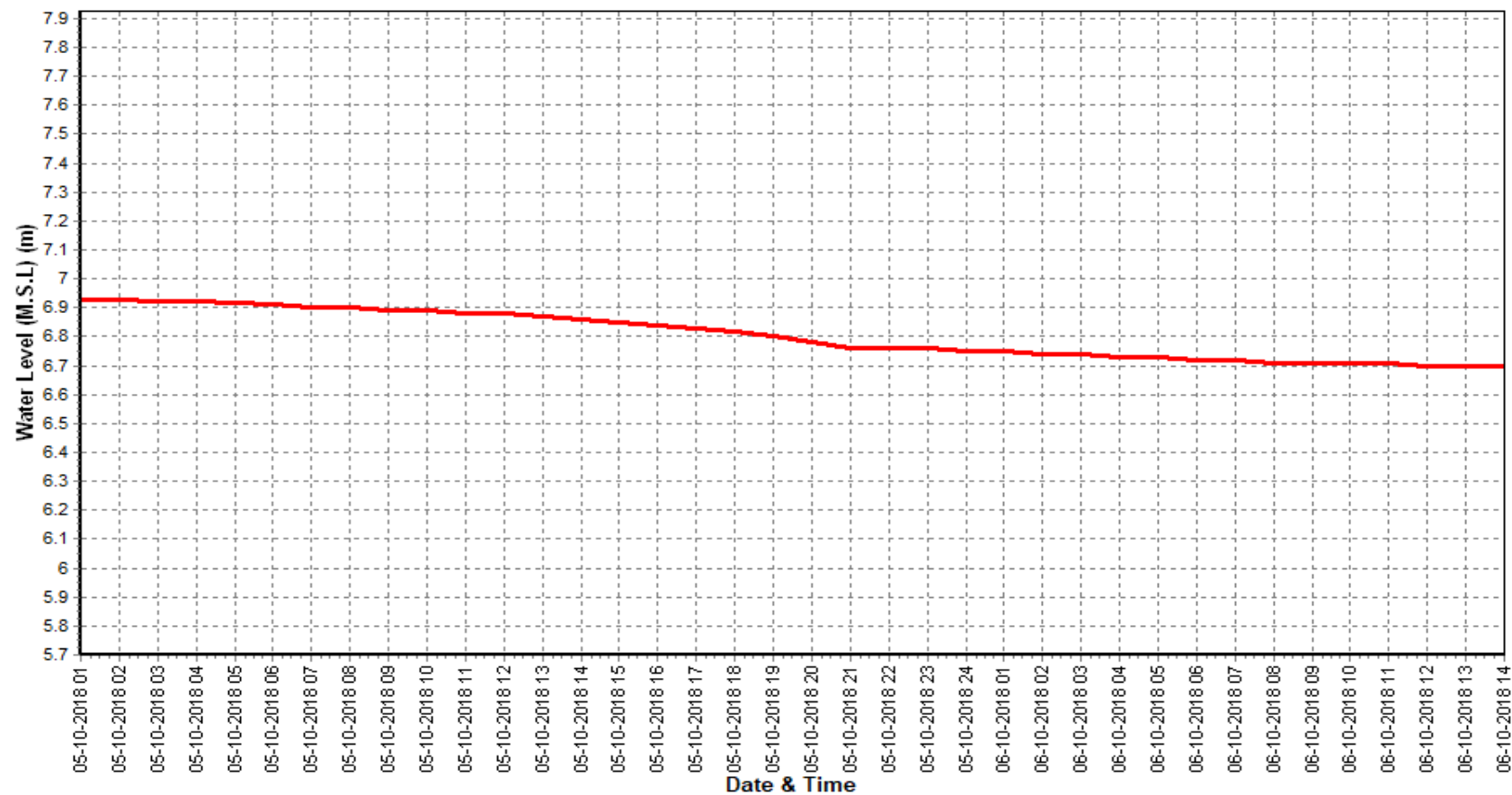
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : Menangudi (CCA23N4)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal



Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2018-2019

Site : Porakudi

Code : CCA20G5

State : Tamil Nadu

District : Nagapattinam

Basin : Cauvery

Independent River : Cauvery

Tributary :

Sub Tributary :

Sub-Sub Tributary :

Local River : Arasalar

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikal

Drainage Area : Sq. Km.

Bank : Right

Latitude : 10°54'14"

Longitude : 79°42'26"

Zero of Gauge (m) : 3.000 (m.s.l)
2.000 (m.s.l)27-11-1997 - 31-05-1999
01-06-1999

Opening Date

Closing Date

Gauge : 27-11-1997

Discharge : 01-02-1999

Sediment :

Water Quality : 01-09-2005

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1999-2000	70.73	5.375	23-11-1999	0.000	Dry Bed	01-06-1999
2000-2001	84.81	5.440	22-11-2000	0.000	Dry Bed	01-06-2000
2001-2002	64.03	5.420	03-02-2002	0.000	Dry Bed	01-06-2001
2002-2003	35.62	5.035	01-11-2002	0.000	Dry Bed	01-06-2002
2003-2004	24.09	4.665	09-11-2003	0.000	Dry Bed	01-06-2003
2004-2005	59.80	6.000	31-10-2004	0.000	Dry Bed	01-06-2004
2005-2006	60.01	5.590	25-11-2005	0.000	Dry Bed	01-06-2005
2006-2007	39.38	5.220	01-10-2006	0.000	Dry Bed	01-06-2006
2007-2008	50.88	5.780	21-12-2007	0.000	Dry Bed	01-06-2007
2008-2009	111.3	7.200	28-11-2008	0.000	Dry Bed	01-06-2008
2009-2010	50.62	5.665	09-11-2009	0.000	Dry Bed	01-06-2009
2010-2011	50.34	5.460	30-11-2010	0.000	Dry Bed	01-06-2010
2011-2012	60.50	5.290	27-11-2011	0.000	Dry Bed	01-06-2011
2012-2013	56.61	5.200	31-10-2012	0.000	2.565	01-06-2012
2013-2014	18.15	4.440	11-10-2013	0.000	Dry Bed	01-06-2013
2014-2015	41.94	5.550	21-10-2014	0.000	2.435	01-06-2014
2015-2016	44.80	4.930	10-11-2015	0.000	2.370	01-06-2015
2016-2017	0.000	Dry Bed	06-04-2017	0.000	3.595	27-06-2016
2017-2018	44.28	4.910	03-12-2017	0.000	Dry Bed	01-06-2017

Stage-Discharge Data for the period 2018 - 2019

Station Name : Porakudi (CCA20G5)

Division : Hydrology Division, Chennai

Local River : Cauvery

Sub-Division : Cauvery Delta SD, Karaikkal

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1		0.000		0.000	2.420	0.854 #	3.490	0.000	3.355	0.000	3.350	0.000
2		0.000		0.000	3.030	8.009	3.400	0.000	3.385	0.000	3.400	0.000
3		0.000		0.000	3.260	10.56	3.360	0.000	3.425	0.000	3.450	0.000
4		0.000		0.000	3.470	0.000	3.280	0.000	4.520	31.40	3.500	0.000
5		0.000		0.000	3.200	0.000	3.220	0.000	4.593	41.13	3.540	0.000
6		0.000		0.000	3.010	0.000	3.120	0.000	4.700	41.71	3.510	0.000
7		0.000		0.000	2.970	0.000	3.070	0.000	4.440	31.68 *	3.490	0.000
8		0.000		0.000	2.840	0.000	3.050	0.000	4.600	27.45	3.485	0.000
9		0.000		0.000	2.750	0.000	3.000	0.000	3.900	20.62 #	3.600	0.000
10		0.000		0.000	2.650	0.000	2.965	0.000	3.650	0.000	3.700	0.000
11		0.000		0.000	2.590	0.000	2.935	0.000	3.600	0.000	3.750	0.000
12		0.000		0.000	2.520	0.000	2.905	0.000	3.550	0.000	3.700	0.000
13		0.000		0.000	2.460	0.000	2.870	0.000	3.450	0.000	3.650	0.000
14		0.000		0.000	3.510	13.30	2.840	0.000	3.405	0.000	3.605	0.000
15		0.000		0.000	3.575	0.000	2.810	0.000	3.365	0.000	3.575	0.000
16		0.000		0.000	3.700	0.000	2.775	0.000	3.330	0.000	3.380	11.68 #
17		0.000		0.000	3.705	0.000	2.740	0.000	3.300	0.000	3.340	0.000
18		0.000		0.000	3.680	0.000	2.730	0.000	3.270	0.000	3.350	0.000
19		0.000		0.000	3.705	0.000	2.700	0.000	3.235	0.000	3.750	0.000
20		0.000		0.000	3.720	0.000	2.675	0.000	3.200	0.000	3.770	0.000
21		0.000		0.000	3.735	0.000	2.650	0.000	3.240	0.000	3.835	0.000
22		0.000		0.000	3.750	0.000	2.620	0.000	3.285	0.000	3.785	0.000
23		0.000		0.000	3.690	0.000	2.590	0.000	3.355	0.000	3.820	0.000
24		0.000		0.000	3.610	0.000	2.560	0.000	3.330	0.000	3.870	0.000
25		0.000		0.000	3.700	0.000	2.550	0.000	3.430	0.000	4.100	0.000
26		0.000		0.000	3.750	0.000	3.050	5.430	3.400	0.000	4.140	26.64
27		0.000		0.000	3.800	0.000	3.140	0.000	3.370	0.000	4.035	22.73
28		0.000		0.000	3.760	0.000	3.230	0.000	3.340	0.000	4.280	28.23 #
29		0.000		0.000	3.710	0.000	3.275	0.000	3.310	0.000	3.780	18.40 #
30		0.000		0.000	3.610	0.000	3.310	0.000	3.280	0.000	4.170	27.29
31			2.590	2.129	3.570	0.000			3.315	0.000		
Ten-Daily Mean												
I Ten-Daily		0.000		0.000	2.960	1.942	3.195	0.000	4.057	19.40	3.503	0.000
II Ten-Daily		0.000		0.000	3.317	1.330	2.798	0.000	3.370	0.000	3.587	1.168
III Ten-Daily		0.000	2.590	0.194	3.699	0.000	2.897	0.543	3.332	0.000	3.982	12.33
Monthly												
Min.		0.000	2.590	0.000	2.420	0.000	2.550	0.000	3.200	0.000	3.340	0.000
Max.		0.000	2.590	2.129	3.800	13.30	3.490	5.430	4.700	41.71	4.280	28.23
Mean		0	2.590	0.069	3.337	1.056	2.964	0.181	3.578	6.258	3.690	4.499

Annual Runoff in MCM = 36 Annual Runoff in mm =

Peak Observed Discharge = 41.71 cumecs on 06-10-2018 Corres. Water Level :4.7 m

Lowest Observed Discharge = 0.000 cumecs on 01-06-2018

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Porakudi (CCA20G5)

Division : Hydrology Division, Chennai

Local River : Cauvery

Sub-Division : Cauvery Delta SD, Karaikkal

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	3.870	21.47	3.800	0.000	3.600	0.000	2.950	0.000	2.430	0.000	2.105	0.000
2	3.860	21.23 *	3.830	0.000	3.780	0.000	2.930	0.000	2.420	0.000	2.100	0.000
3	4.050	0.000	3.890	0.000	3.650	0.000	2.910	0.000	2.400	0.000	2.100	0.000
4	3.760	0.000	3.930	0.000	3.620	0.000	2.890	0.000	2.380	0.000	2.080	0.000
5	3.450	0.000	3.880	0.000	3.590	0.000	2.850	0.000	2.370	0.000	2.070	0.000
6	3.230	7.736	3.820	0.000	3.570	0.000	2.830	0.000	2.350	0.000	2.055	0.000
7	3.520	0.000	3.825	0.000	3.540	0.000	2.810	0.000	2.340	0.000	2.040	0.000
8	3.540	0.000	3.830	0.000	3.510	0.000	2.790	0.000	2.320	0.000	2.035	0.000
9	3.515	0.000	3.830	0.000	3.490	0.000	2.760	0.000	2.300	0.000	2.030	0.000
10	3.540	0.000	3.820	0.000	3.485	0.000	2.740	0.000	2.300	0.000	2.020	0.000
11	3.570	0.000	3.810	0.000	3.470	0.000	2.710	0.000	2.280	0.000	2.015	0.000
12	3.480	0.000	3.760	0.000	3.450	0.000	2.710	0.000	2.260	0.000		0.000
13	3.455	0.000	3.755	0.000	3.400	0.000	2.700	0.000	2.260	0.000		0.000
14	3.425	0.000	3.730	0.000	3.345	0.000	2.690	0.000	2.250	0.000		0.000
15	3.395	0.000	3.960	0.000	3.290	0.000	2.670	0.000	2.240	0.000		0.000
16	3.365	0.000	4.060	0.000	3.260	0.000	2.650	0.000	2.220	0.000		0.000
17	3.335	0.000	4.220	0.000	3.230	0.000	2.640	0.000	2.200	0.000		0.000
18	3.280	0.000	4.080	0.000	3.210	0.000	2.620	0.000	2.200	0.000		0.000
19	3.295	0.000	4.010	0.000	3.200	0.000	2.600	0.000	2.195	0.000		0.000
20	3.345	0.000	3.950	0.000	3.180	0.000	2.580	0.000	2.190	0.000		0.000
21	3.450	0.000	3.890	0.000	3.150	0.000	2.560	0.000	2.180	0.000		0.000
22	3.570	0.000	3.850	0.000	3.130	0.000	2.540	0.000	2.150	0.000		0.000
23	3.720	0.000	3.840	0.000	3.110	0.000	2.535	0.000	2.145	0.000		0.000
24	3.770	0.000	3.830	0.000	3.070	0.000	2.520	0.000	2.140	0.000		0.000
25	3.810	0.000	3.815	0.000	3.040	0.000	2.500	0.000	2.130	0.000		0.000
26	3.730	0.000	3.800	0.000	3.010	0.000	2.480	0.000	2.120	0.000		0.000
27	3.705	0.000	3.780	0.000	2.980	0.000	2.450	0.000	2.120	0.000		0.000
28	3.745	0.000	3.760	0.000	2.970	0.000	2.450	0.000	2.110	0.000		0.000
29	3.800	0.000	3.740	0.000			2.450	0.000	2.110	0.000		0.000
30	3.845	0.000	3.710	0.000			2.445	0.000	2.105	0.000		0.000
31	3.805	0.000	3.650	0.000			2.440	0.000				0.000
Ten-Daily Mean												
I Ten-Daily	3.633	5.043	3.846		3.583	0.000	2.846	0.000	2.361	0.000	2.064	0.000
II Ten-Daily	3.395	0.000	3.933		3.303	0.000	2.657	0.000	2.230	0.000	2.015	0.000
III Ten-Daily	3.723	0.000	3.788		3.057	0.000	2.488	0.000	2.131	0.000		0.000
Monthly												
Min.	3.230	0.000	3.650		2.970	0.000	2.440	0.000	2.105	0.000	2.015	0.000
Max.	4.050	21.47	4.220		3.780	0.000	2.950	0.000	2.430	0.000	2.105	0.000
Mean	3.588	1.627	3.853		3.333	0	2.658	0	2.240	0	2.059	0

Peak Computed Discharge = 31.68 cumecs on 07-10-2018

Corres. Water Level :4.44 m

Lowest Computed Discharge = 21.23 cumecs on 02-12-2018

Corres. Water Level :3.86 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

#:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

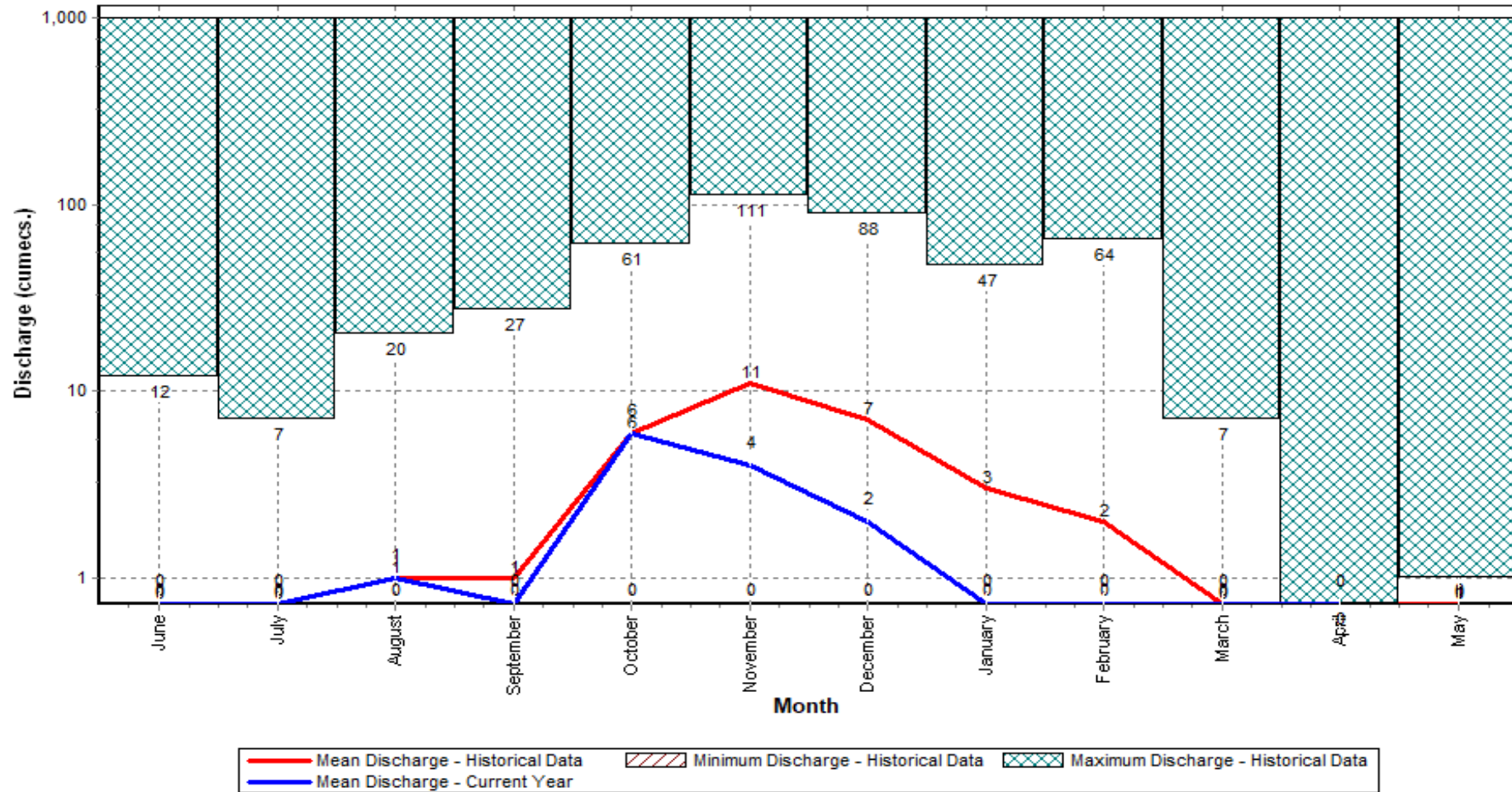
Station Name : Porakudi (CCA20G5)

Data considered : 1999-2019

Division : Hydrology Division, Chennai

Local River : Cauvery

Sub-Division : Cauvery Delta SD, Karaikkal

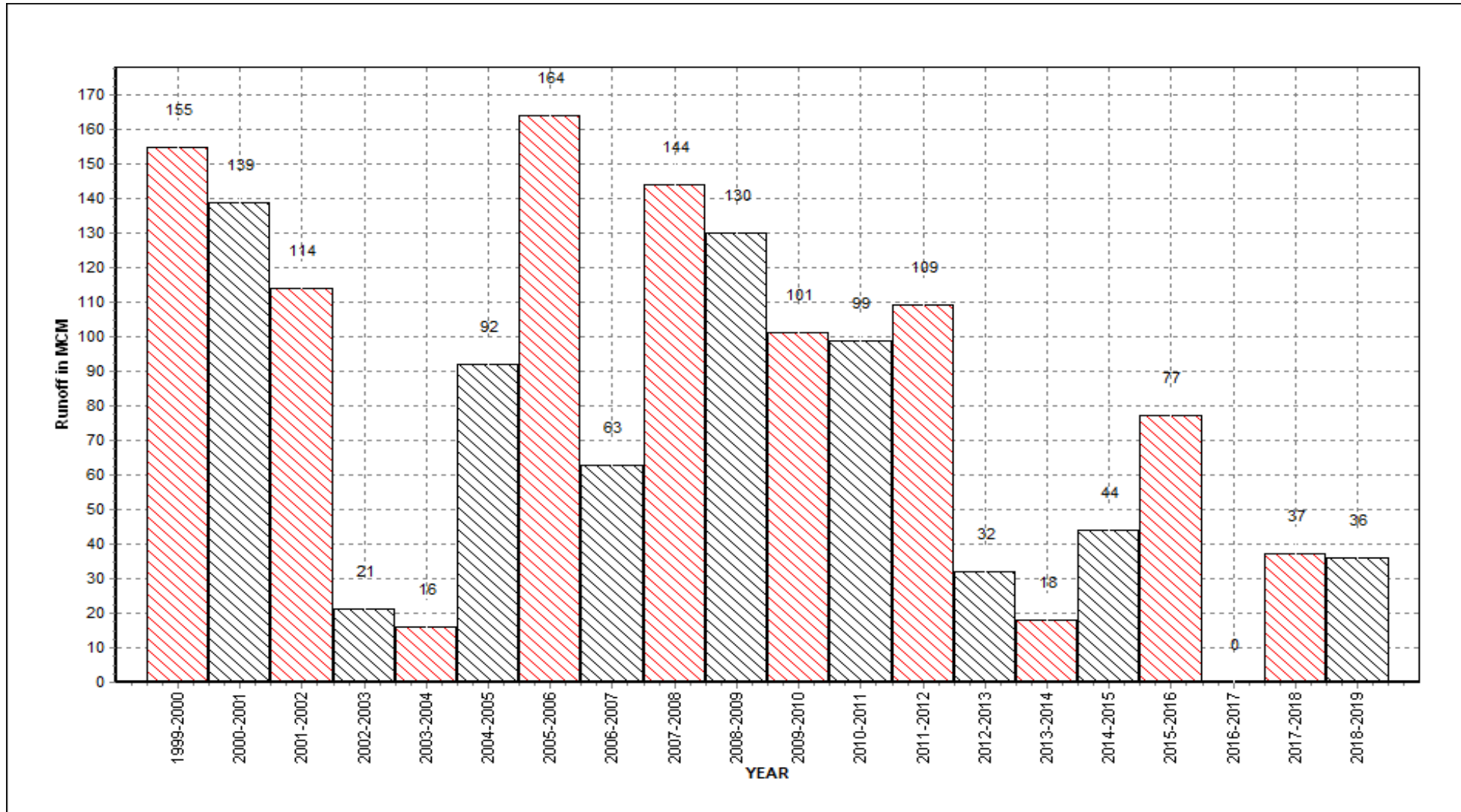


Annual Runoff Values for the period: 1999 - 2019

Station Name : Porakudi (CCA20G5)
Local River : Cauvery

Division : Hydrology Division, Chennai
Sub-Division : Cauvery Delta SD, Karaikkal

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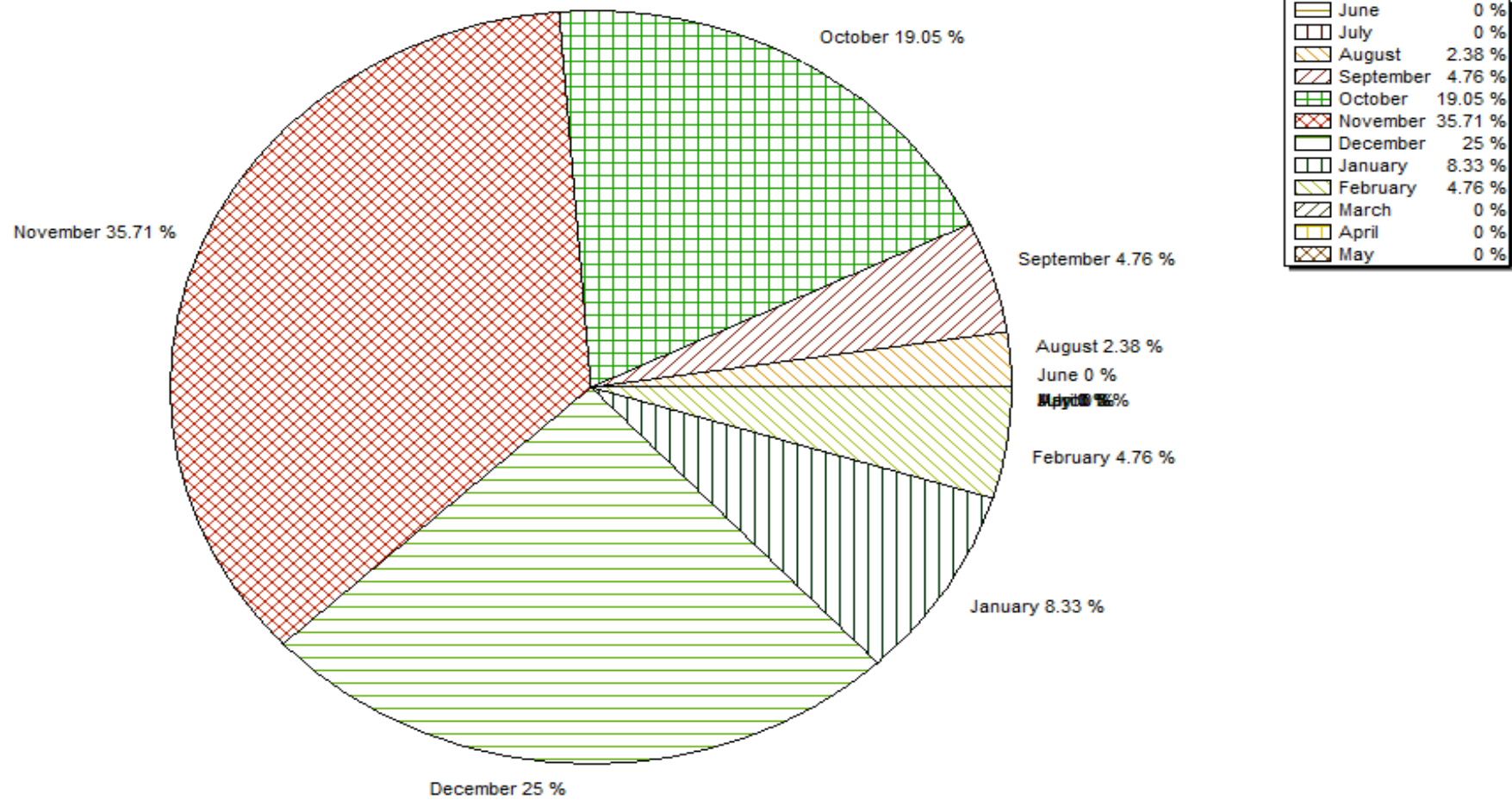


Note: Missing values have not been considered while arriving at Annual Runoff

Monthly Average Runoff based on period : 1999-2018

Station Name : Porakudi (CCA20G5)
Local River : Cauvery

Division : Hydrology Division, Chennai
Sub-Division : Cauvery Delta SD, Karaikkal



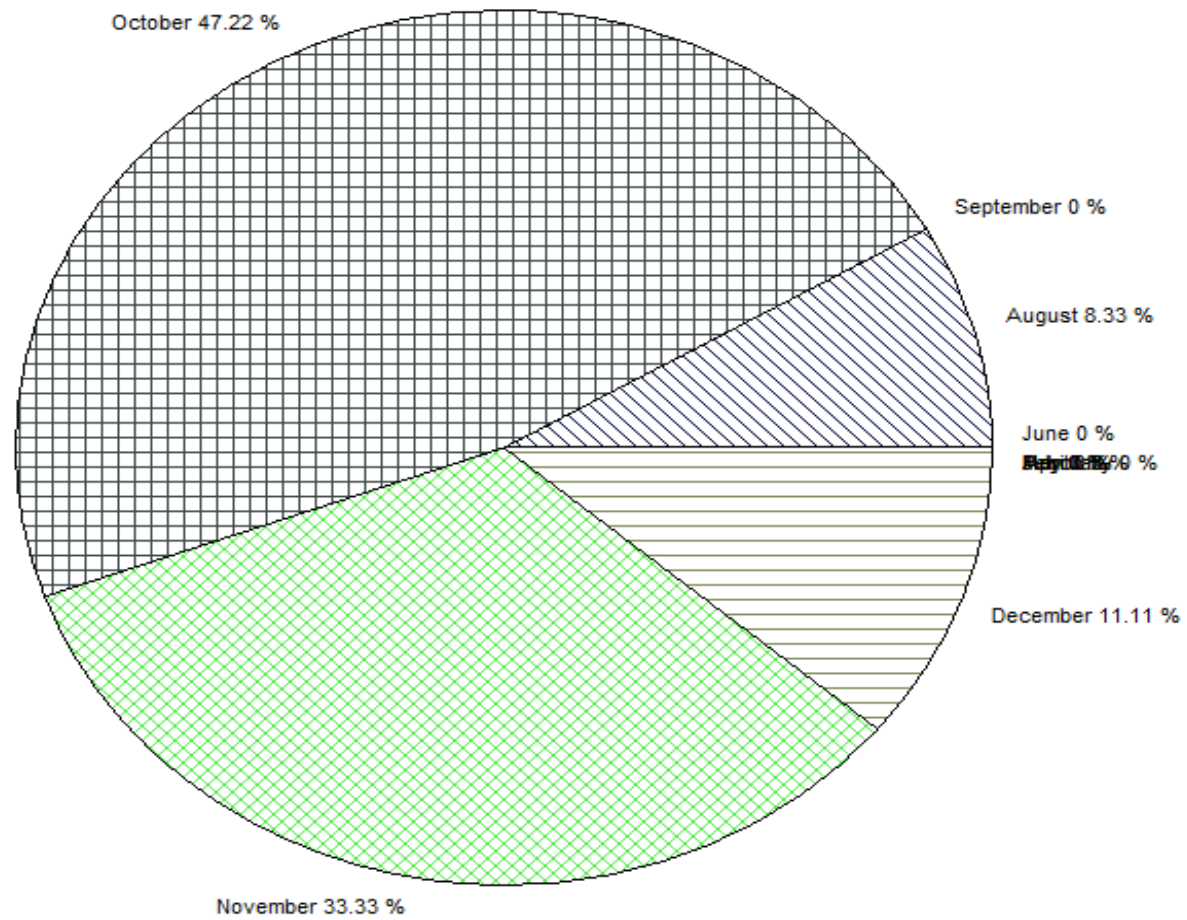
Monthly Runoff for the Year : 2018-2019

Station Name : Porakudi (CCA20G5)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal



June	0 %
July	0 %
August	8.33 %
September	0 %
October	47.22 %
November	33.33 %
December	11.11 %
February	0 %
March	0 %
April	0 %
May	0 %

Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

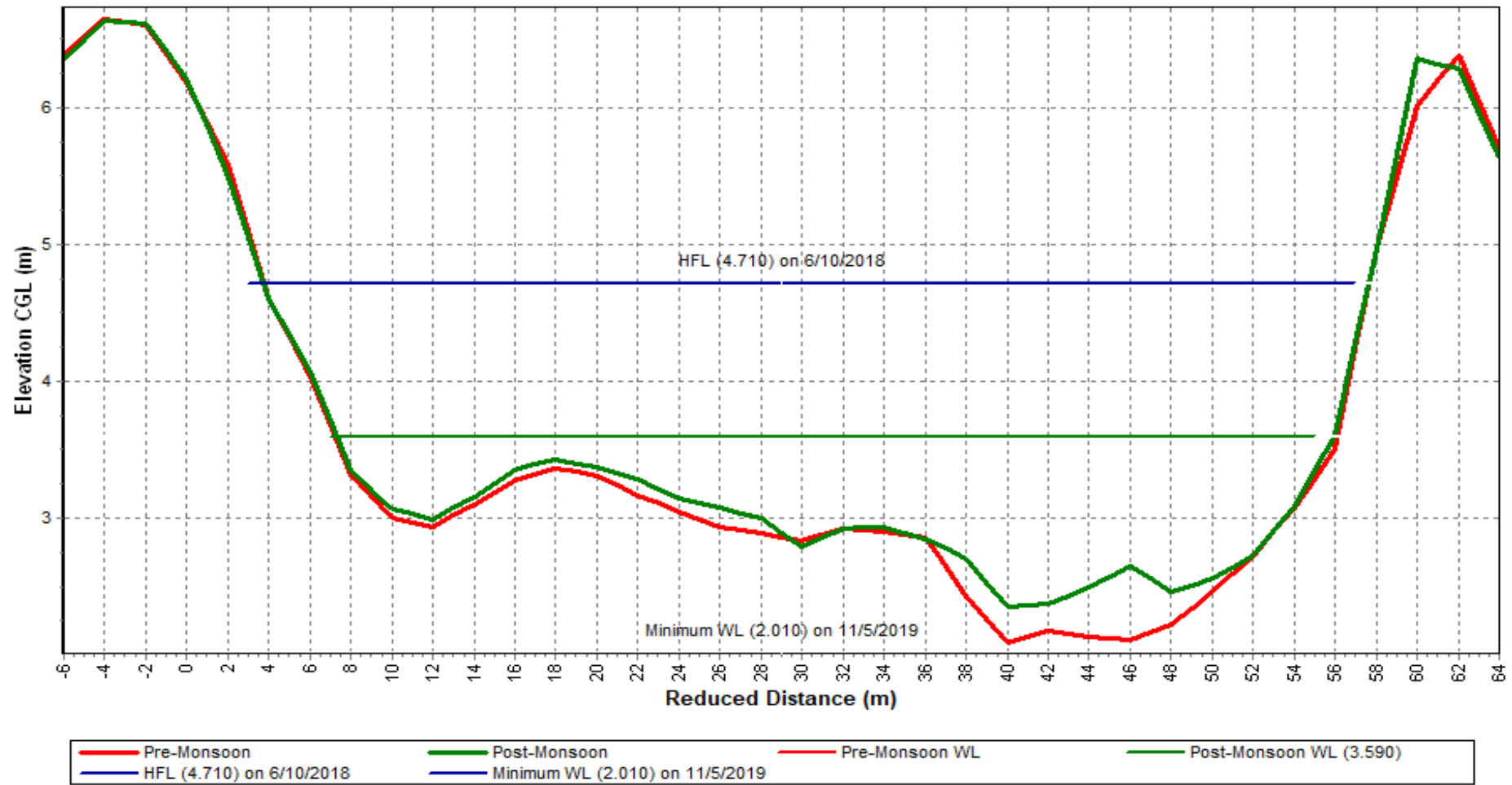
Station Name : Porakudi (CCA20G5)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal

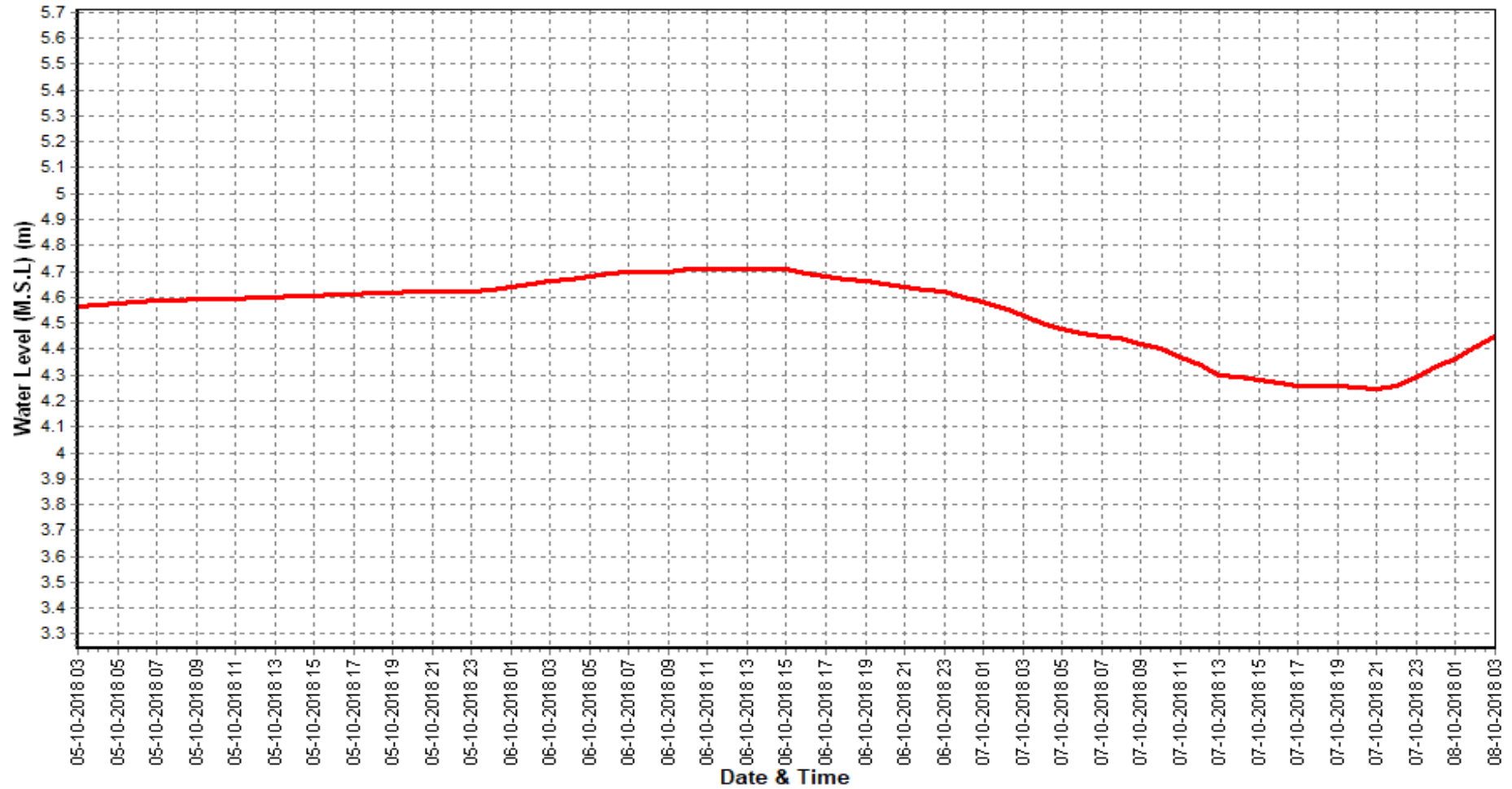
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Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : Porakudi (CCA20G5)
Local River : Cauvery

Division : Hydrology Division, Chennai
Sub-Division : Cauvery Delta SD, Karaikkal



Time Span: 72 Hrs

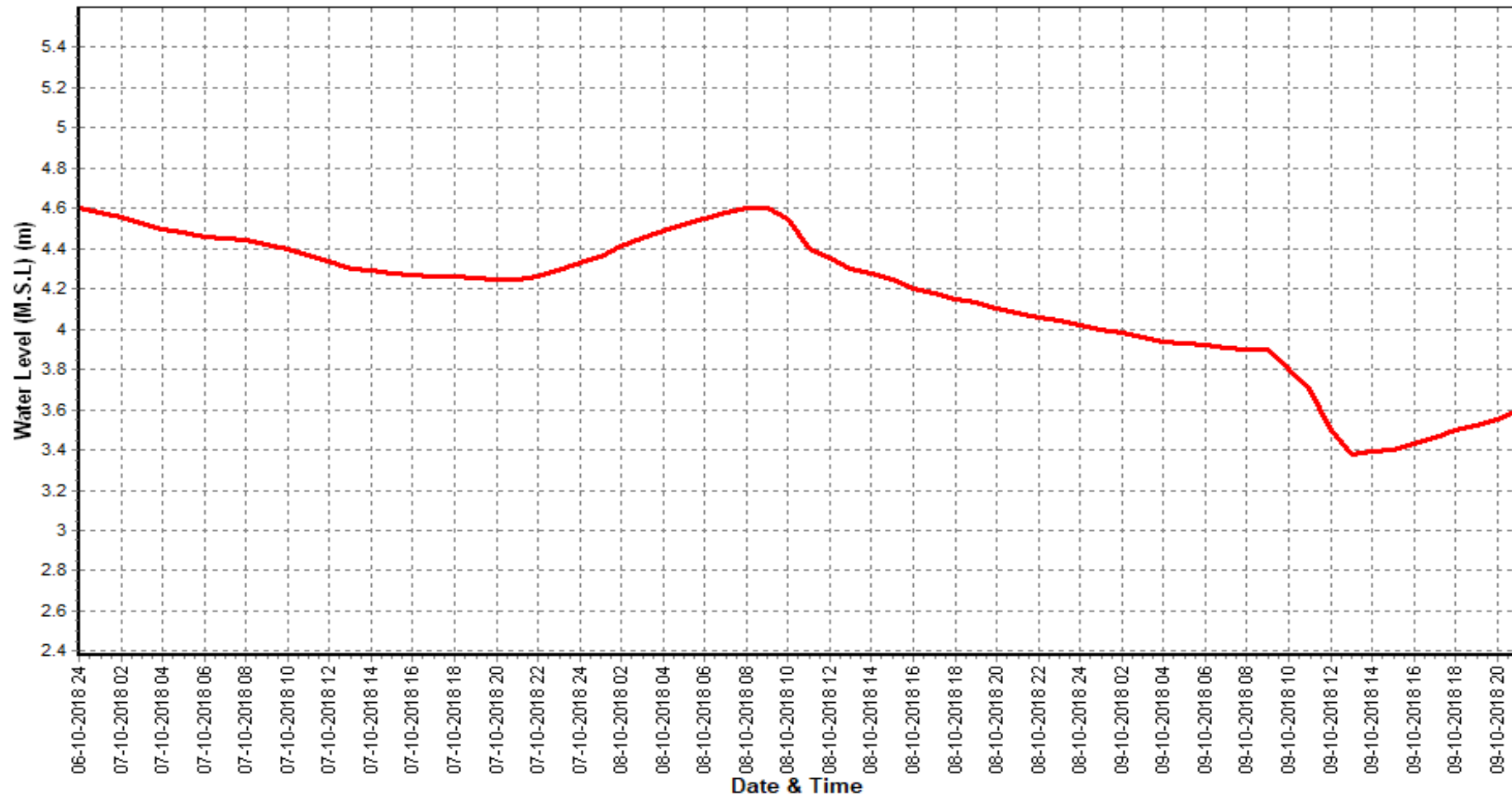
Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : Porakudi (CCA20G5)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal



Time Span: 72 Hrs

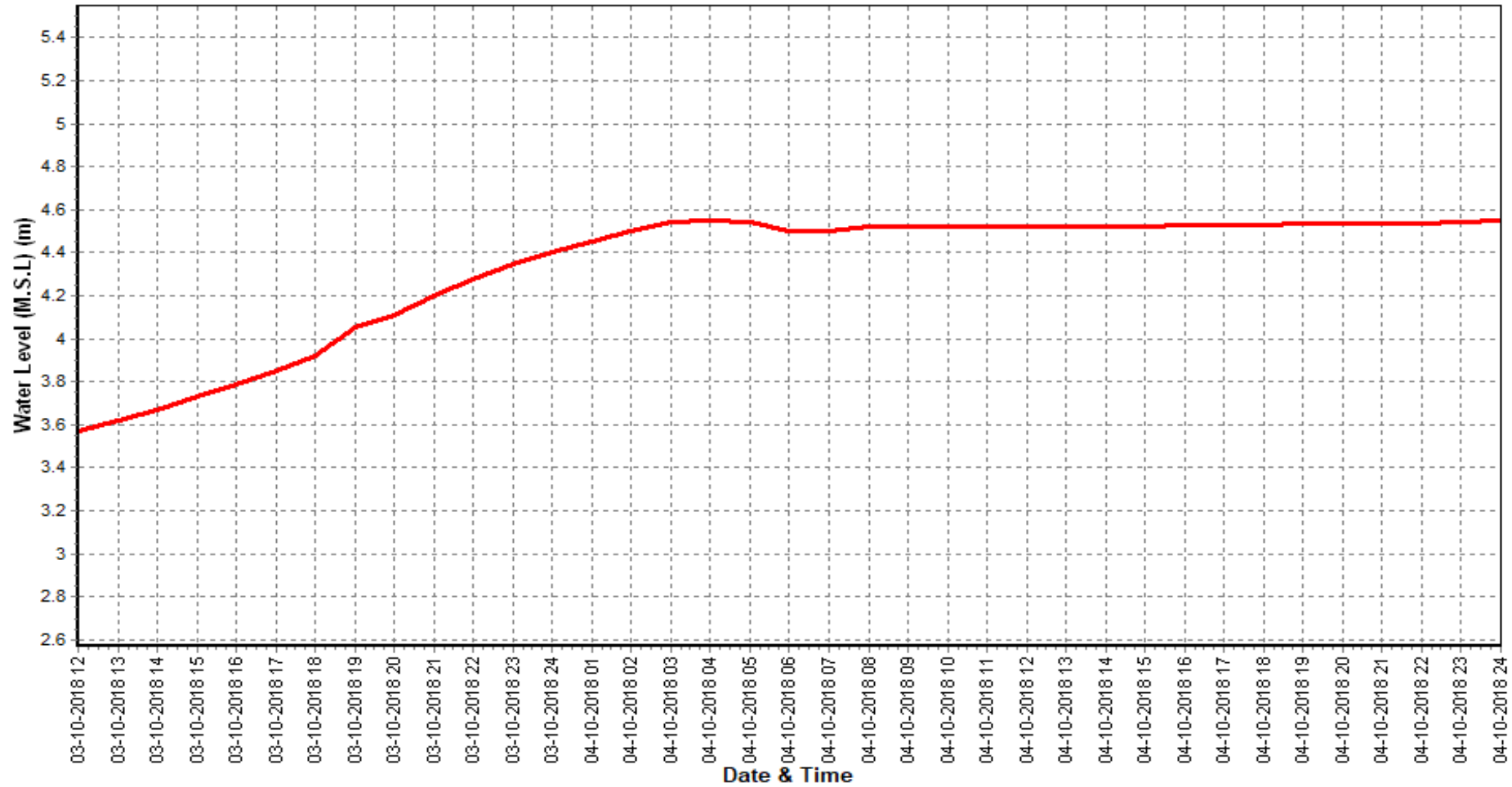
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : Porakudi (CCA20G5)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal



Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2018-2019

Site : Peralam

Code : CCA22S5

State : Tamil Nadu

District : Tiruvarur

Basin : Cauvery

Independent River : Cauvery

Tributary :

Sub Tributary :

Sub-Sub Tributary :

Local River : Vanjiyar

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikal

Drainage Area : Sq. Km.

Bank : Right

Latitude : 10°57'59"

Longitude : 79°39'41"

Zero of Gauge (m) : 6.000 (m.s.l)

01-02-1998

Opening Date

Closing Date

Gauge : 01-02-1998

Discharge : 01-02-1999

Sediment :

Water Quality : 01-09-2005

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1999-2000	5.066	8.820	22-11-1999	0.000	Dry Bed	01-06-1999
2000-2001	5.385	9.150	28-12-2000	0.000	Dry Bed	01-06-2000
2001-2002	3.787	9.160	28-07-2001	0.000	Dry Bed	01-06-2001
2002-2003	3.878	9.150	02-11-2002	0.000	Dry Bed	01-06-2002
2003-2004	2.860	8.850	12-11-2003	0.000	Dry Bed	01-06-2003
2004-2005	4.173	9.085	01-11-2004	0.000	Dry Bed	01-06-2004
2005-2006	4.708	9.130	09-11-2005	0.000	Dry Bed	01-06-2005
2006-2007	8.049	8.510	27-10-2006	0.000	Dry Bed	01-06-2006
2007-2008	6.482	8.700	20-12-2007	0.000	Dry Bed	01-06-2007
2008-2009	8.207	9.835	27-11-2008	0.000	Dry Bed	01-06-2008
2009-2010	3.315	9.340	08-11-2009	0.000	Dry Bed	01-06-2009
2010-2011	4.523	8.730	29-11-2010	0.000	Dry Bed	01-06-2010
2011-2012	3.479	8.610	27-11-2011	0.000	Dry Bed	01-06-2011
2012-2013	2.818	8.220	20-10-2012	0.000	Dry Bed	01-06-2012
2013-2014	3.701	8.740	09-09-2013	0.000	Dry Bed	01-06-2013
2014-2015	4.631	8.520	21-10-2014	0.000	Dry Bed	01-06-2014
2015-2016	2.784	8.610	23-11-2015	0.000	Dry Bed	01-06-2015
2016-2017	0.088	7.180	24-10-2016	0.000	Dry Bed	24-06-2016
2017-2018	3.236	8.865	03-12-2017	0.000	Dry Bed	01-06-2017

Stage-Discharge Data for the period 2018 - 2019

Station Name : Peralam (CCA22S5)

Division : Hydrology Division, Chennai

Local River : Cauvery

Sub-Division : Cauvery Delta SD, Karaikkal

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1		0.000		0.000		0.000	7.160	0.000	8.435	1.759	8.170	1.375 #
2		0.000		0.000	7.180	0.000	7.150	0.000	8.000	0.946 *	7.908	0.941
3		0.000		0.000	8.610	2.467	7.115	0.000	8.010	0.000	8.285	0.000
4		0.000		0.000	8.140	1.166 #	7.100	0.000	7.918	0.715	7.990	0.000
5		0.000		0.000	8.070	1.053 *	7.100	0.000	8.870	2.772	7.635	0.499
6		0.000		0.000	8.100	1.097	7.100	0.000	8.715	1.817	7.375	0.285 *
7		0.000		0.000	8.098	0.816	7.100	0.000	8.360	1.559 *	7.140	0.112
8		0.000		0.000	8.035	0.999 #		0.000	7.798	0.642	7.188	0.170
9		0.000		0.000	8.090	0.777		0.000	7.630	0.513	7.530	0.424 #
10		0.000		0.000	7.960	0.000		0.000	7.315	0.179	7.335	0.142
11		0.000		0.000	7.970	0.000		0.000	7.252	0.170	7.140	0.045 *
12		0.000		0.000	7.930	0.845 *		0.000	7.153	0.120	7.110	0.034 #
13		0.000		0.000	8.723	2.632		0.000	7.130	0.000	7.105	0.040
14		0.000		0.000	8.770	2.765		0.000	7.120	0.000	7.100	0.026
15		0.000		0.000	8.760	2.424 *		0.000	7.515	0.336	7.090	0.000
16		0.000		0.000	8.590	2.372		0.000	7.200	0.157	7.155	0.050 #
17		0.000		0.000	8.690	2.669		0.000	7.215	0.000	7.145	0.046 #
18		0.000		0.000	8.610	2.565	7.110	0.000	7.640	0.488 *	7.130	0.041 *
19		0.000		0.000	8.590	2.032 *	8.260	1.401	8.060	1.037 *	7.125	0.032
20		0.000		0.000	8.570	0.000	8.060	1.037 #	7.960	1.026	7.135	0.047
21		0.000		0.000	8.580	0.000	8.100	1.101 *	7.910	0.817 *	7.290	0.119 *
22		0.000		0.000	8.690	0.000	8.130	0.960	8.105	1.027	7.195	0.068 #
23		0.000		0.000	8.550	0.000	7.985	0.924 *	8.058	0.949	7.400	0.197 *
24		0.000		0.000	8.310	0.000	8.270	1.553	7.715	0.520	8.558	2.230
25		0.000		0.000	8.350	0.000	8.323	1.524	7.343	0.184	8.105	1.173 *
26		0.000		0.000	7.660	0.000	8.415	1.666	7.163	0.124	7.760	0.592 #
27		0.000		0.000	7.700	0.000	8.313	1.508	7.150	0.000	7.593	0.379
28		0.000		0.000	7.660	0.000	8.150	0.997	7.160	0.113 *	7.395	0.234
29		0.000		0.000	7.170	0.138	8.733	2.362	7.180	0.179	7.655	0.406
30		0.000		0.000	7.180	0.123 #	8.695	2.270 *	7.545	0.440 #	7.893	0.809
31				0.000	7.160	0.118			7.805	0.755 #		
<u>Ten-Daily Mean</u>												
I Ten-Daily		0.000		0.000	8.031	0.838	7.118	0.000	8.105	1.090	7.655	0.395
II Ten-Daily		0.000		0.000	8.520	1.830	7.810	0.244	7.424	0.333	7.123	0.036
III Ten-Daily		0.000		0.000	7.910	0.034	8.311	1.486	7.557	0.464	7.684	0.621
<u>Monthly</u>												
Min.		0.000		0.000	7.160	0.000	7.100	0.000	7.120	0.000	7.090	0.000
Max.		0.000		0.000	8.770	2.765	8.733	2.362	8.870	2.772	8.557	2.230
Mean		0		0	8.150	0.873	7.818	0.577	7.691	0.624	7.488	0.351

Annual Runoff in MCM = 8 Annual Runoff in mm =

Peak Observed Discharge = 2.772 cumecs on 05-10-2018 Corres. Water Level :8.87 m

Lowest Observed Discharge = 0.000 cumecs on 01-06-2018

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m *:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Peralam (CCA22S5)

Division : Hydrology Division, Chennai

Local River : Cauvery

Sub-Division : Cauvery Delta SD, Karaikkal

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	7.880	0.000	7.420	0.000	7.040	0.000		0.000		0.000		0.000
2	7.690	1.243 *	7.110	0.000	7.040	0.000		0.000		0.000		0.000
3	7.355	0.393 #	7.120	0.000	7.035	0.000		0.000		0.000		0.000
4	7.395	0.467	7.115	0.000	7.035	0.000		0.000		0.000		0.000
5	7.380	0.391	7.100	0.000	7.035	0.000		0.000		0.000		0.000
6	7.398	0.531	7.080	0.000	7.030	0.000		0.000		0.000		0.000
7	7.470	0.616	7.070	0.000	7.030	0.000		0.000		0.000		0.000
8	7.145	0.056	7.060	0.000	7.020	0.000		0.000		0.000		0.000
9	7.130	0.042 *	7.055	0.000	7.015	0.000		0.000		0.000		0.000
10	7.120	0.032	7.055	0.000	7.015	0.000		0.000		0.000		0.000
11	7.195	0.116	7.055	0.000		0.000		0.000		0.000		0.000
12	7.135	0.052	7.675	0.000		0.000		0.000		0.000		0.000
13	7.120	0.030	7.660	0.000		0.000		0.000		0.000		0.000
14	7.120	0.000	7.505	0.413		0.000		0.000		0.000		0.000
15	7.105	0.020 #	7.580	0.465 *		0.000		0.000		0.000		0.000
16	7.100	0.000	7.715	0.575		0.000		0.000		0.000		0.000
17	7.090	0.000	7.150	0.045 #		0.000		0.000		0.000		0.000
18	7.200	0.125 #	7.115	0.032		0.000		0.000		0.000		0.000
19	7.780	1.872	7.115	0.000		0.000		0.000		0.000		0.000
20	8.080	1.956	7.115	0.000		0.000		0.000		0.000		0.000
21	8.080	1.683	7.090	0.000		0.000		0.000		0.000		0.000
22	7.825	0.999	7.080	0.000		0.000		0.000		0.000		0.000
23	7.950	1.225 *	7.080	0.000		0.000		0.000		0.000		0.000
24	7.580	0.394	7.060	0.000		0.000		0.000		0.000		0.000
25	7.550	0.420 *	7.055	0.000		0.000		0.000		0.000		0.000
26	8.053	1.723	7.050	0.000		0.000		0.000		0.000		0.000
27	7.585	0.393	7.050	0.000		0.000		0.000		0.000		0.000
28	8.105	1.661 #	7.045	0.000		0.000		0.000		0.000		0.000
29	7.383	0.234	7.040	0.000				0.000		0.000		0.000
30	7.920	1.149 *	7.040	0.000				0.000		0.000		0.000
31	7.420	0.253 #	7.040	0.000				0.000				0.000
Ten-Daily Mean												
I Ten-Daily	7.396	0.377	7.118	0.000	7.030	0.000		0.000		0.000		0.000
II Ten-Daily	7.293	0.417	7.368	0.153		0.000		0.000		0.000		0.000
III Ten-Daily	7.768	0.921	7.057	0.000		0.000		0.000		0.000		0.000
Monthly												
Min.	7.090	0.000	7.040	0.000	7.015	0.000		0.000		0.000		0.000
Max.	8.105	1.956	7.715	0.575	7.040	0.000		0.000		0.000		0.000
Mean	7.495	0.583	7.177	0.049	7.030	0		0		0		0

Peak Computed Discharge = 2.424 cumecs on 15-08-2018

Corres. Water Level :8.76 m

Lowest Computed Discharge = 0.041 cumecs on 18-11-2018

Corres. Water Level :7.13 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m *:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

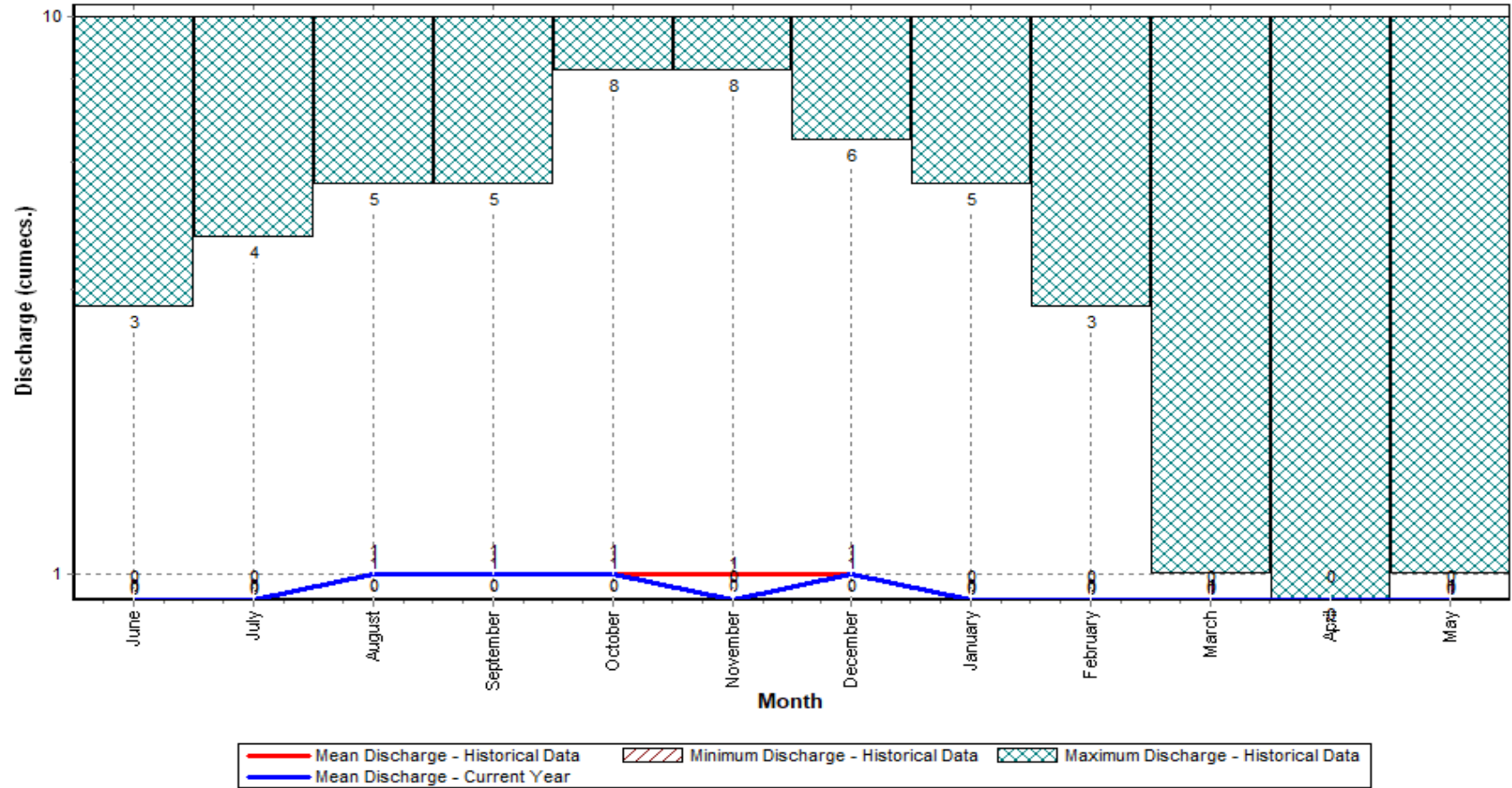
Station Name : Peralam (CCA22S5)

Data considered : 1999-2019

Division : Hydrology Division, Chennai

Local River : Cauvery

Sub-Division : Cauvery Delta SD, Karaikkal

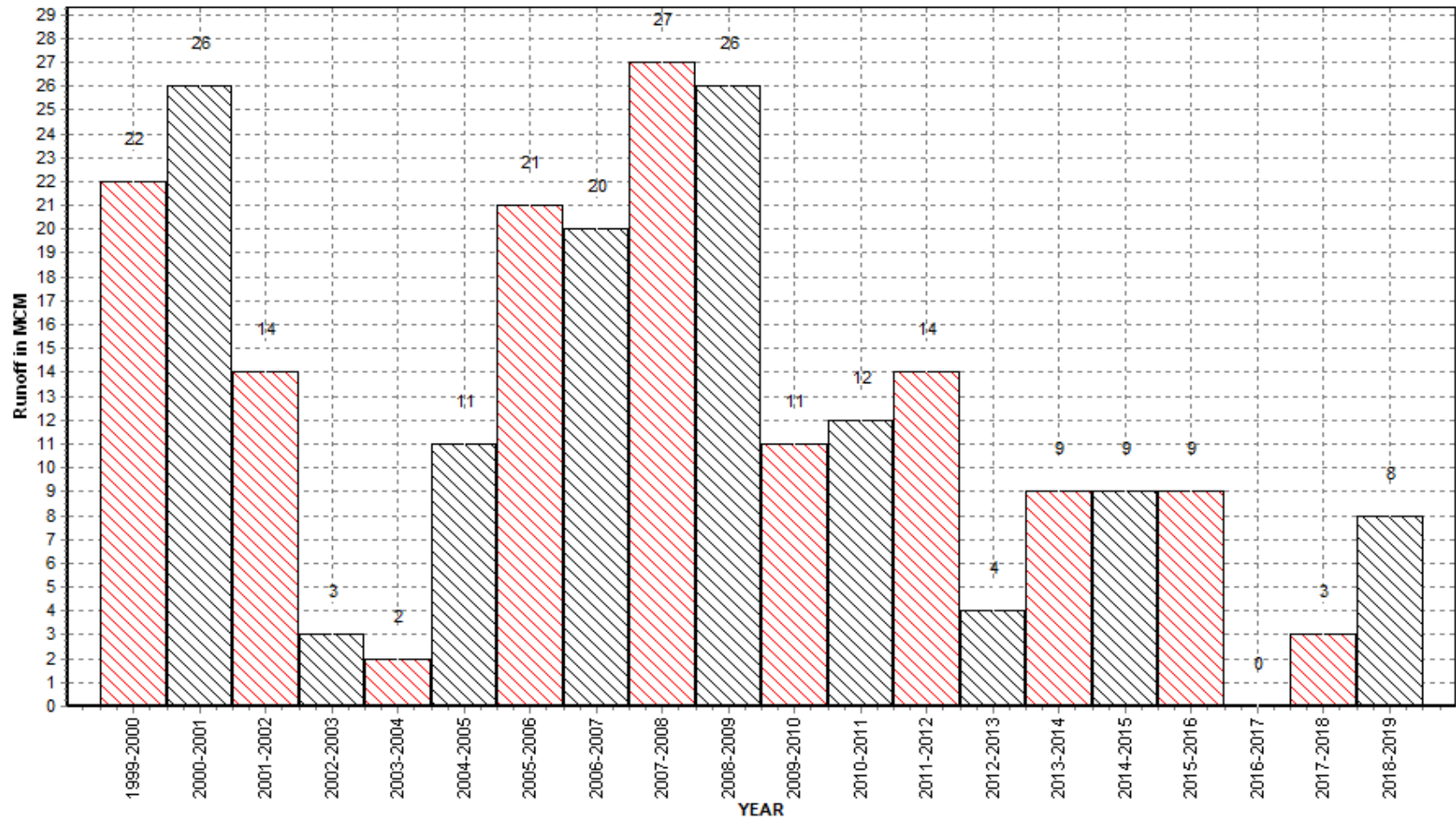


Annual Runoff Values for the period: 1999 - 2019

Station Name : Peralam (CCA22S5)
Local River : Cauvery

Division : Hydrology Division, Chennai
Sub-Division : Cauvery Delta SD, Karaikkal

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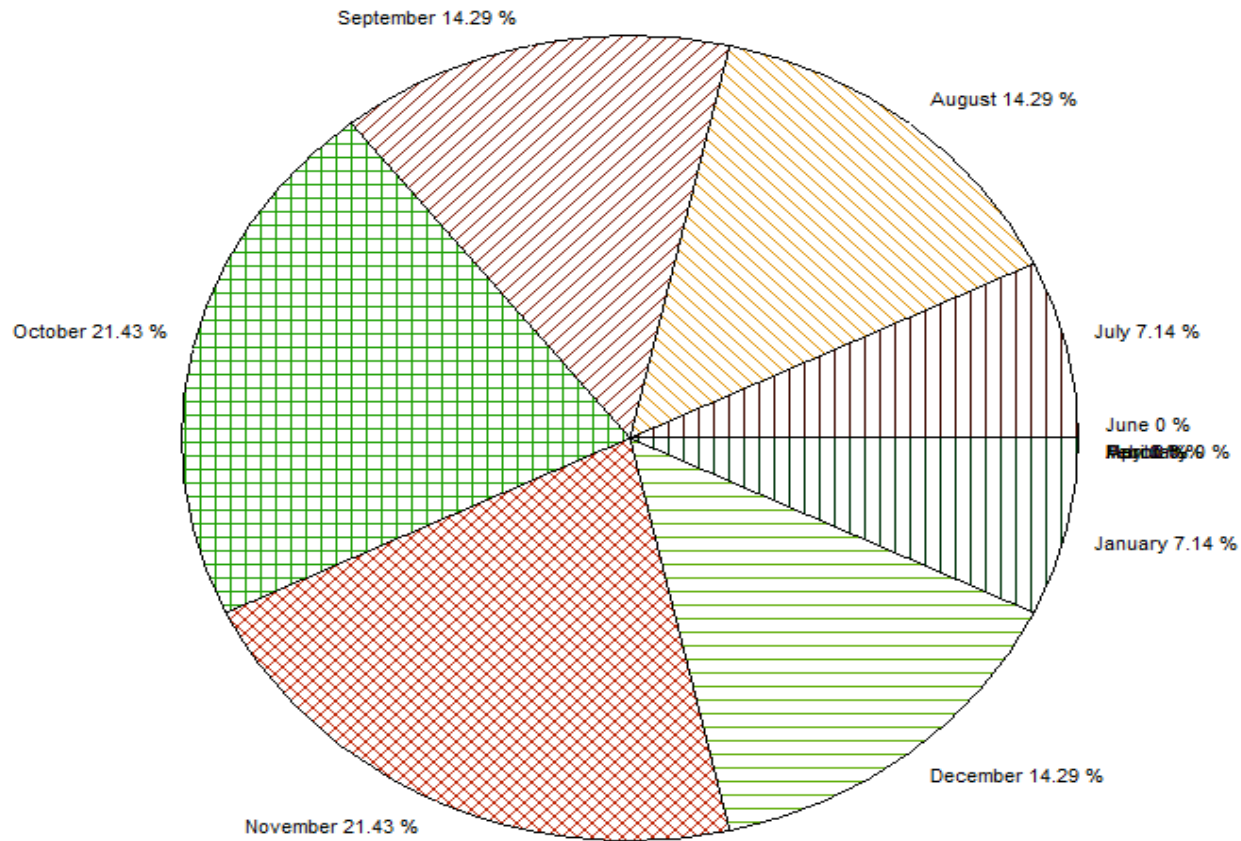


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Peralam (CCA22S5)
Local River : Cauvery

Monthly Average Runoff based on period : 1999-2018

Division : Hydrology Division, Chennai
Sub-Division : Cauvery Delta SD, Karaikkal

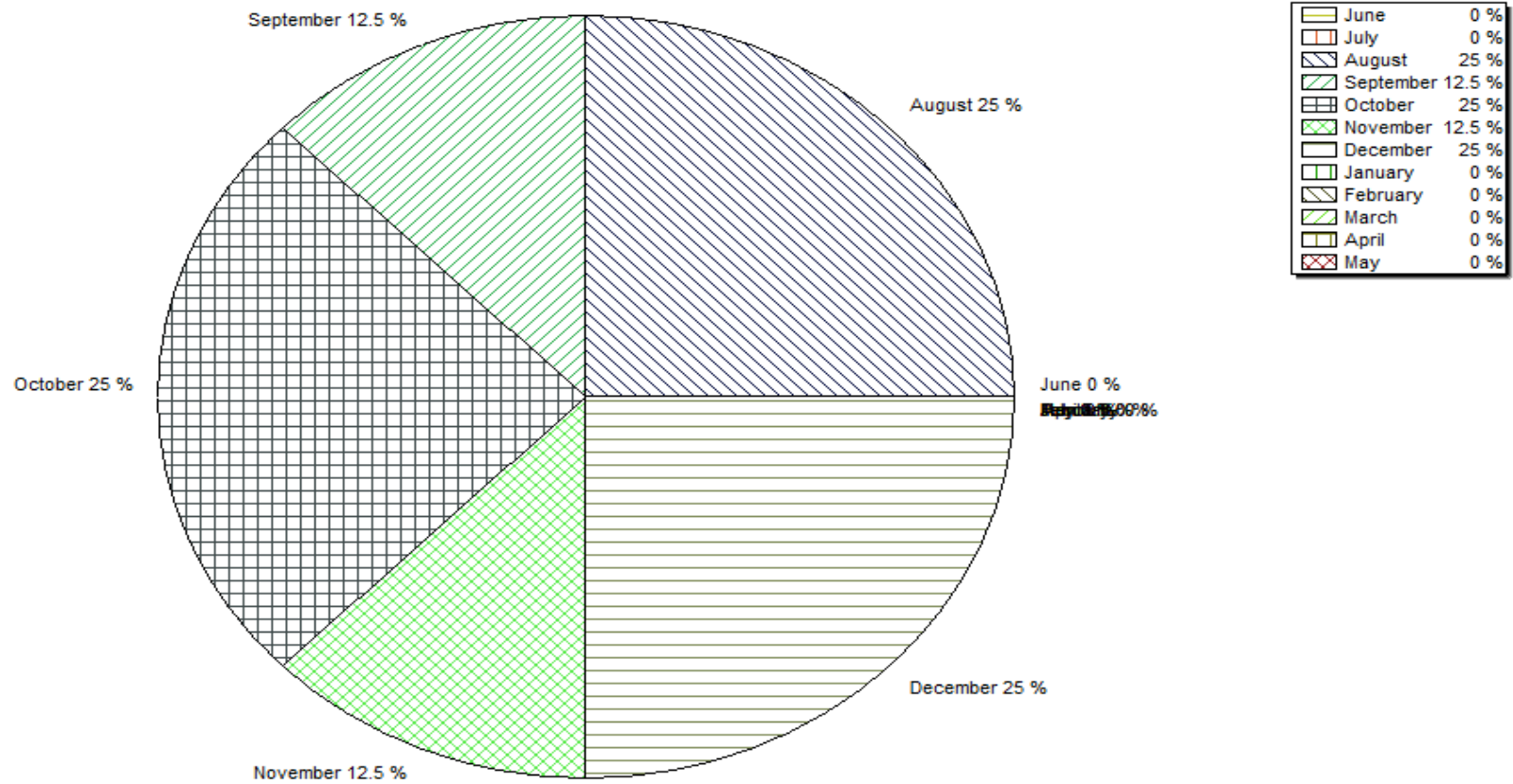


June	0 %
July	7.14 %
August	14.29 %
September	14.29 %
October	21.43 %
November	21.43 %
December	14.29 %
January	7.14 %
February	0 %
March	0 %
April	0 %
May	0 %

Station Name : Peralam (CCA22S5)
Local River : Cauvery

Monthly Runoff for the Year : 2018-2019

Division : Hydrology Division, Chennai
Sub-Division : Cauvery Delta SD, Karaikkal



Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

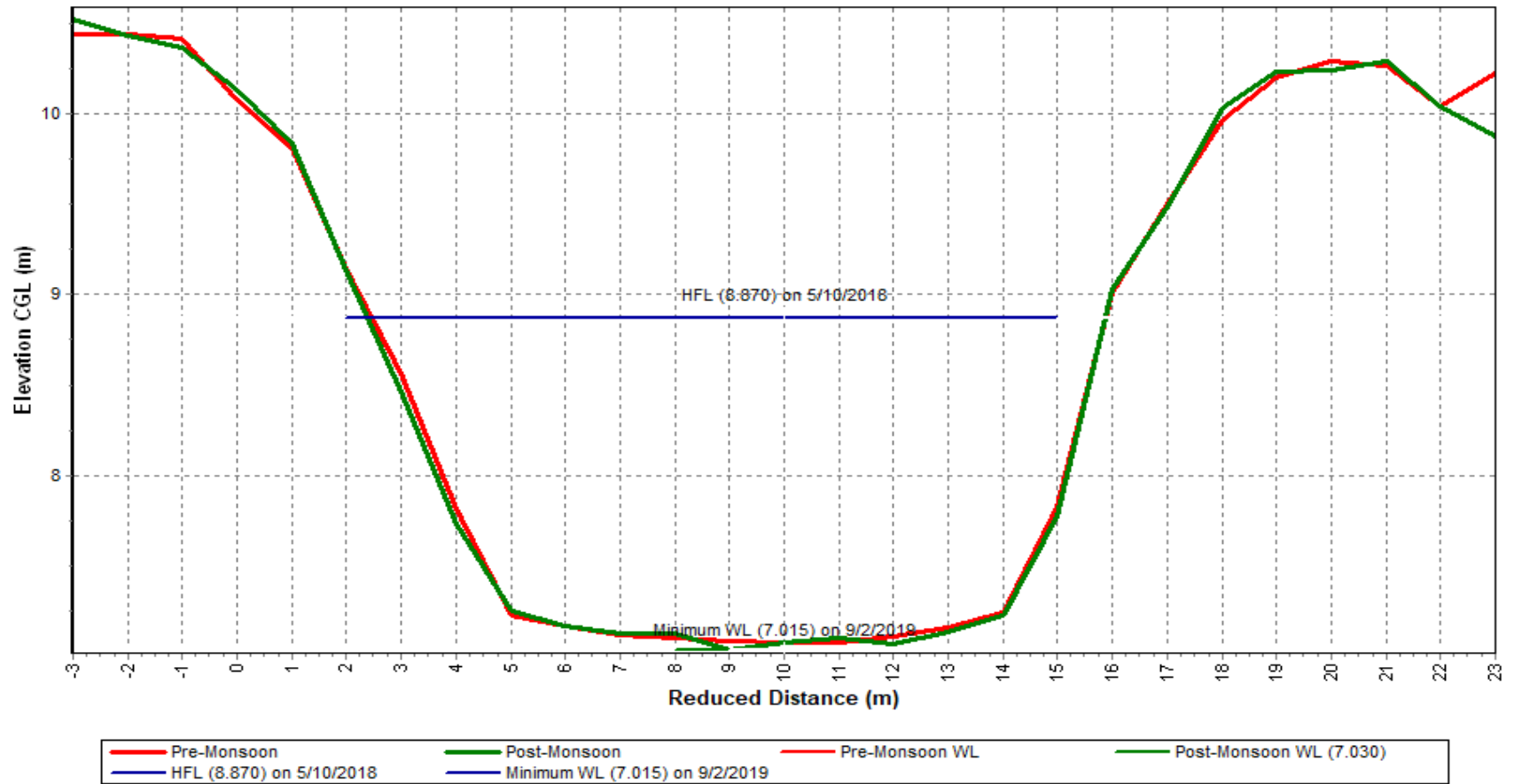
Station Name : Peralam (CCA22S5)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal

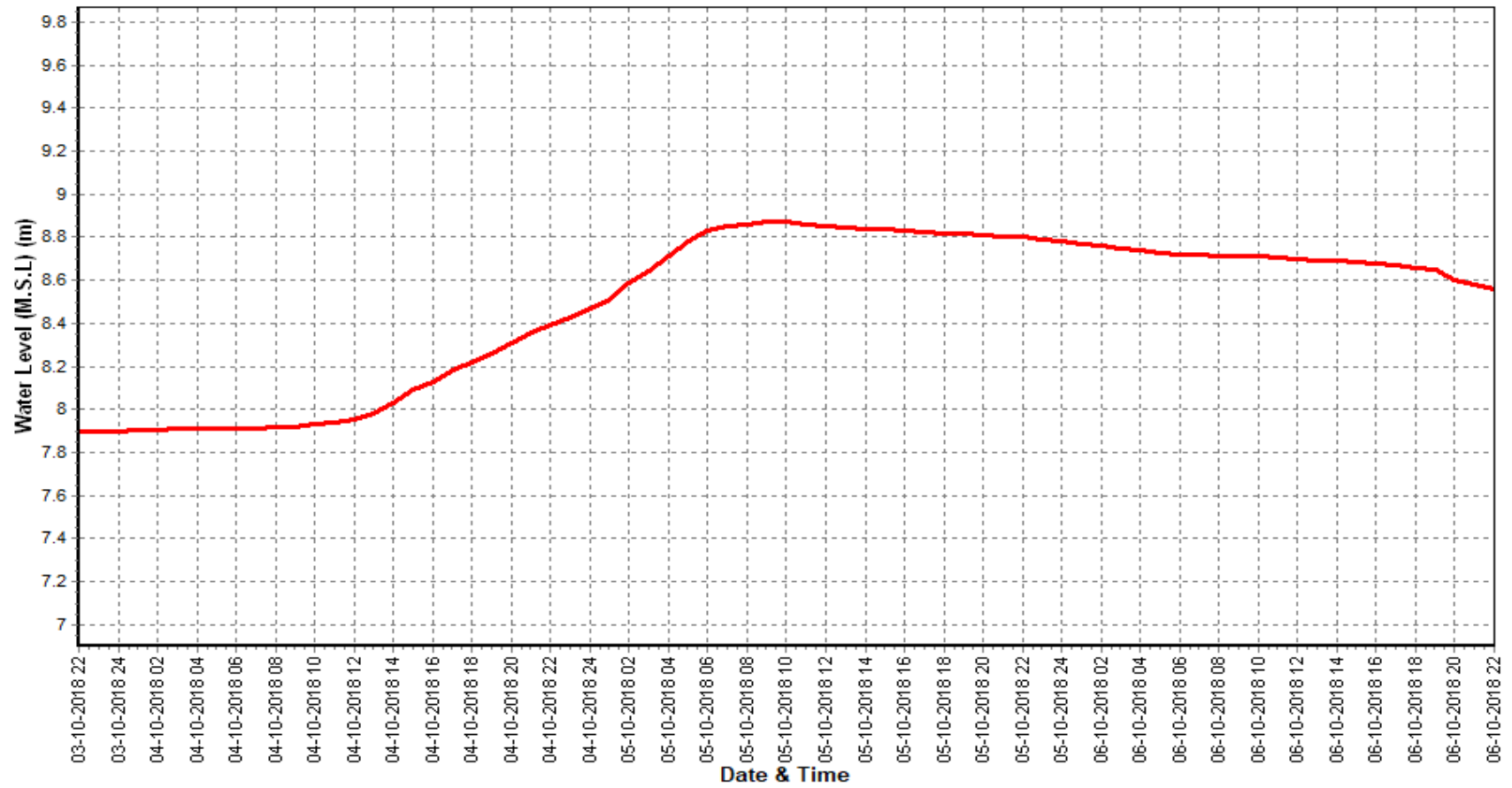
77



Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : Peralam (CCA22S5)
Local River : Cauvery

Division : Hydrology Division, Chennai
Sub-Division : Cauvery Delta SD, Karaikkal



Time Span: 72 Hrs

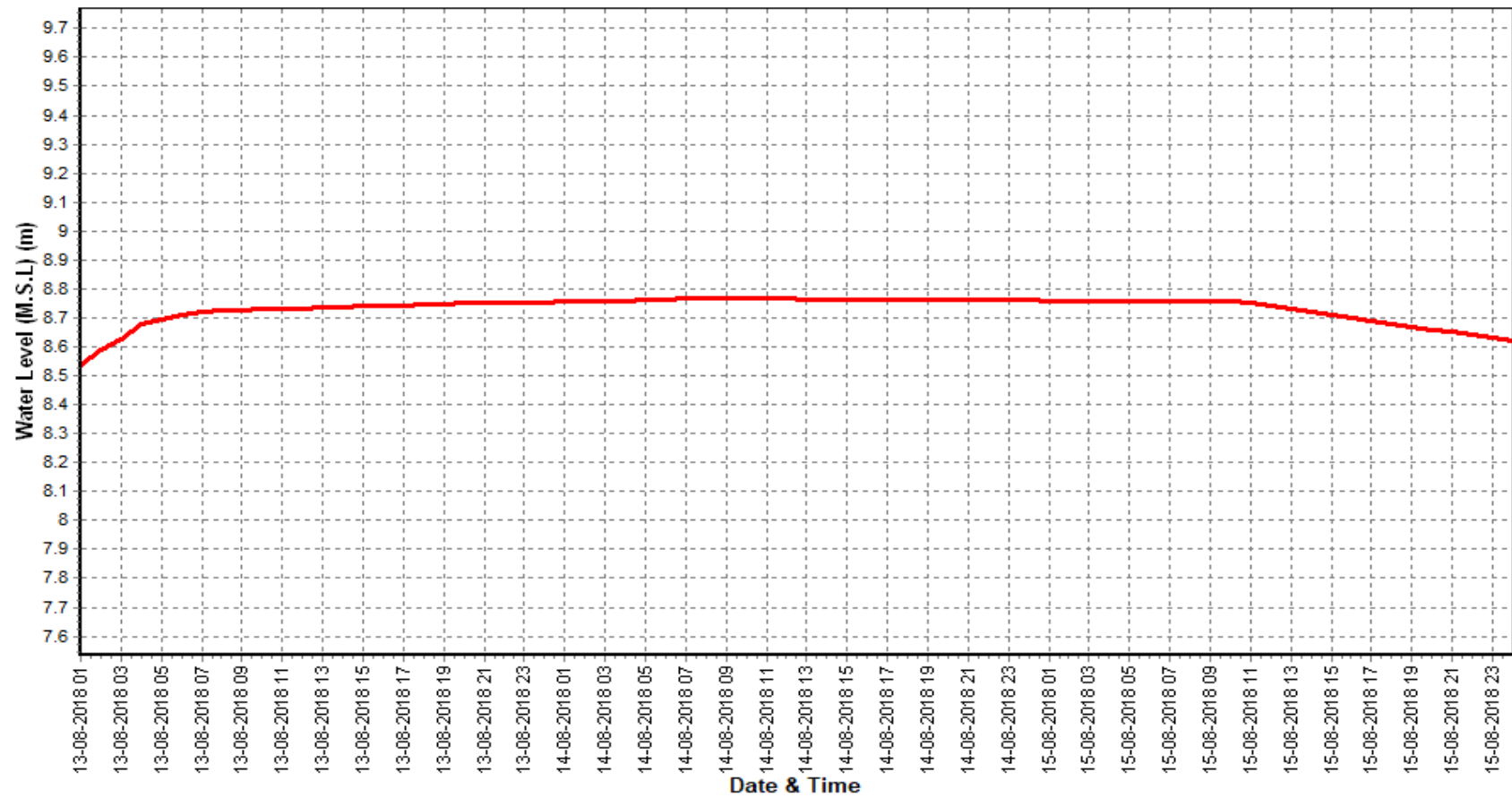
Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : Peralam (CCA22S5)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal



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Time Span: 72 Hrs

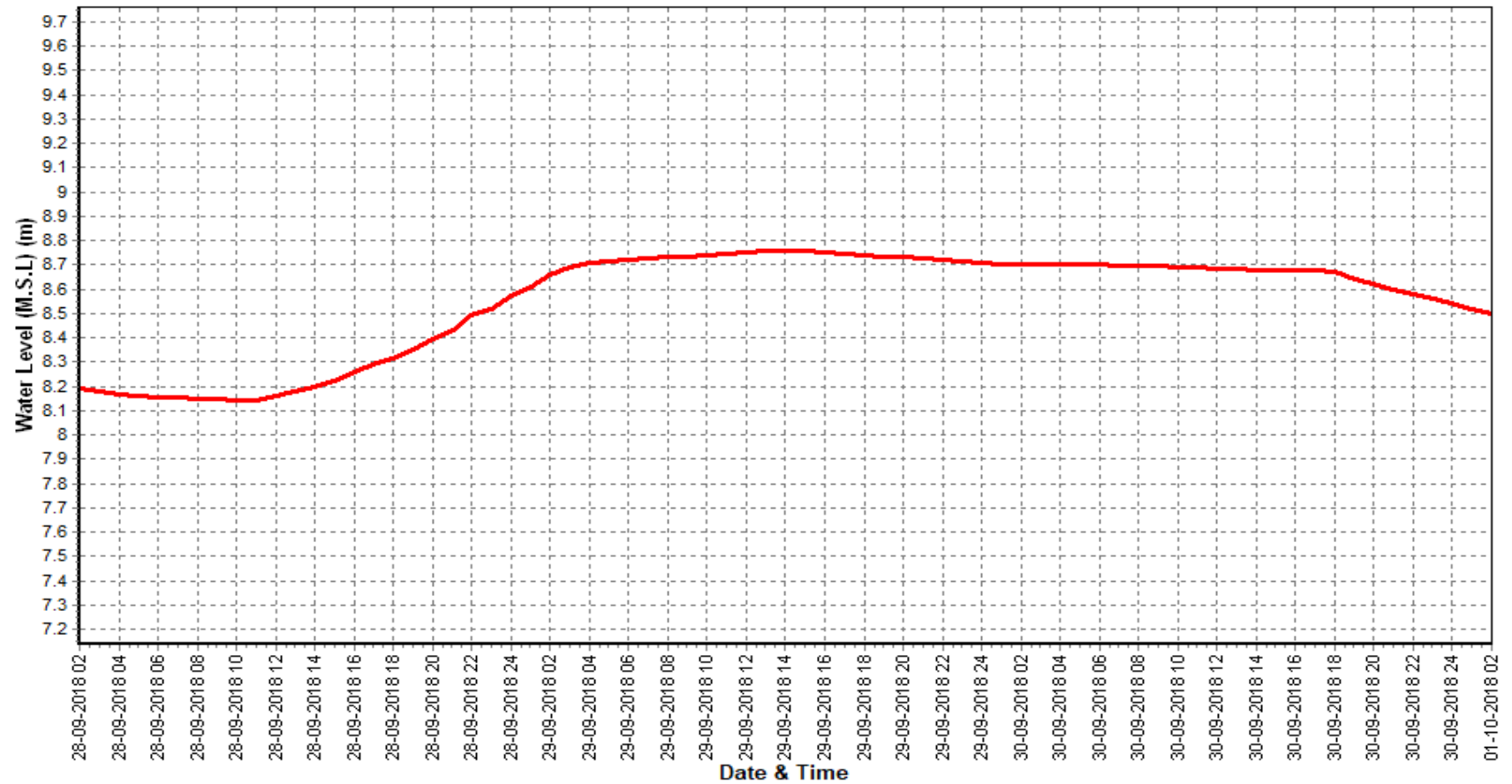
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : Peralam (CCA22S5)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal



Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2018-2019

Site : Thengudi

Code : CCA31N6

State : Tamil Nadu

District : Tiruvarur

Basin : Cauvery

Independent River : Cauvery

Tributary :

Sub Tributary :

Sub-Sub Tributary :

Local River : Thirumalairajanar

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikal

Drainage Area : Sq. Km.

Bank : Right

Latitude : 10°55'00"

Longitude : 79°38'20"

Zero of Gauge (m) : 5.000 (m.s.l)

06-03-1997

Opening Date

Closing Date

Gauge : 06-03-1997

Discharge : 02-07-1997

Sediment : 07-11-2003

Water Quality : 01-09-2005

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1998-1999	66.47	9.110	11-12-1998	0.000	Dry Bed	01-06-1998
1999-2000	56.47	8.350	23-11-1999	0.000	Dry Bed	01-06-1999
2000-2001	80.91	8.530	22-11-2000	0.000	Dry Bed	01-06-2000
2001-2002	56.35	8.550	03-02-2002	0.000	Dry Bed	01-06-2001
2002-2003	38.70	7.895	01-11-2002	0.000	Dry Bed	01-06-2002
2003-2004	24.69	7.700	10-11-2003	0.000	Dry Bed	01-06-2003
2004-2005	75.01	8.950	31-10-2004	0.000	Dry Bed	01-06-2004
2005-2006	82.60	8.735	09-11-2005	0.000	Dry Bed	01-06-2005
2006-2007	41.87	8.510	27-10-2006	0.000	Dry Bed	01-06-2006
2007-2008	88.14	8.805	20-12-2007	0.000	Dry Bed	01-06-2007
2008-2009	89.73	9.620	28-11-2008	0.000	5.880	01-06-2008
2009-2010	68.08	8.855	09-11-2009	0.000	Dry Bed	01-06-2009
2010-2011	68.87	8.650	29-11-2010	0.000	Dry Bed	01-06-2010
2011-2012	36.63	8.680	27-11-2011	0.000	Dry Bed	01-06-2011
2012-2013	40.12	7.753	01-11-2012	0.000	5.775	01-06-2012
2013-2014	32.88	7.923	07-11-2013	0.000	Dry Bed	01-06-2013
2014-2015	54.46	8.585	21-10-2014	0.000	Dry Bed	01-06-2014
2015-2016	39.39	8.380	05-12-2015	0.000	5.820	01-06-2015
2016-2017	7.901	6.950	28-01-2017	0.000	5.665	15-06-2016
2017-2018	27.66	8.260	04-12-2017	0.000	Dry Bed	01-06-2017

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1		0.000		0.000		0.000	6.485	1.810	6.633	3.056	6.613	2.875
2		0.000		0.000	6.540	2.979	6.540	2.666 *	6.690	4.080 *	6.818	6.321
3		0.000		0.000	6.818	6.215	6.455	1.730	6.883	6.630	7.440	14.65 #
4		0.000		0.000	7.050	8.460 #	6.335	0.966	7.375	12.62	7.680	19.15 *
5		0.000		0.000	7.010	7.908 *	6.275	0.780	7.560	18.89	7.438	10.30
6		0.000		0.000	6.830	6.609	6.255	0.718	7.813	20.17	7.060	8.600 *
7		0.000		0.000	6.865	6.697	6.160	0.353	7.730	20.15 *	6.835	6.702
8		0.000		0.000	6.915	7.112	6.120	0.199 #	7.415	9.961	6.583	2.939
9		0.000		0.000	6.920	7.138	6.120	0.199 *	7.098	8.640	7.263	9.381
10		0.000		0.000	6.820	6.321	6.115	0.204	6.735	5.481	7.143	8.617
11		0.000		0.000	6.750	5.447	6.135	0.256	6.445	1.722	6.810	5.390 *
12		0.000		0.000	6.630	3.484 *	6.085	0.110 #	6.340	1.095	6.628	2.963
13		0.000		0.000	6.748	5.481	6.080	0.100 *	6.325	0.949	6.458	1.796
14		0.000		0.000	6.633	2.967	6.075	0.089 #	6.290	0.908 *	6.430	1.460
15		0.000		0.000	6.510	2.415 *	6.105	0.205	6.245	0.824	6.363	1.400
16		0.000		0.000	6.475	1.842	6.195	0.458 *	6.300	0.963 #	6.530	2.475
17		0.000		0.000	6.465	1.800	6.238	0.683	6.765	5.609	6.815	6.327
18		0.000		0.000	6.598	2.940	6.538	2.492	6.895	6.410 *	6.750	4.715 *
19		0.000		0.000	6.620	3.388 *	6.510	2.611	6.730	4.499 *	6.623	2.931
20		0.000		0.000	6.660	3.012	6.520	2.482	6.660	3.091	6.615	2.875
21		0.000		0.000	6.730	5.237	6.600	3.201 *	6.700	4.183 *	6.880	6.224 *
22		0.000		0.000	6.760	4.825 *	6.518	2.530	6.753	5.447	6.888	6.648
23		0.000		0.000	6.735	5.270	6.405	1.619 *	6.893	6.676	6.925	6.788 *
24		0.000		0.000	6.795	5.789	6.283	0.774	6.770	5.524	7.550	18.91
25		0.000		0.000	6.845	6.636	6.495	2.486	6.753	5.748	7.940	24.60 *
26		0.000		0.000	6.870	6.102 *	6.530	2.498	6.703	4.929	7.635	21.31
27		0.000		0.000	6.725	5.085	6.400	1.450	6.760	5.563	7.260	9.328
28		0.000		0.000	6.640	2.901	6.433	1.460	6.650	3.678 *	7.010	7.908 #
29		0.000		0.000	6.605	2.875	6.495	2.503	6.438	1.757	6.868	6.812
30		0.000		0.000	6.485	1.846	6.550	2.752 *	6.503	3.013	7.360	16.36
31				0.000	6.470	1.800			6.530	2.540		
Ten-Daily Mean												
I Ten-Daily		0.000		0.000	6.863	5.944	6.286	0.962	7.193	10.97	7.087	8.954
II Ten-Daily		0.000		0.000	6.609	3.278	6.248	0.948	6.499	2.607	6.602	3.233
III Ten-Daily		0.000		0.000	6.696	4.397	6.471	2.127	6.677	4.460	7.232	12.49
Monthly												
Min.		0.000		0.000	6.465	0.000	6.075	0.089	6.245	0.824	6.363	1.400
Max.		0.000		0.000	7.050	8.460	6.600	3.201	7.813	20.17	7.940	24.60
Mean		0		0	6.717	4.535	6.335	1.346	6.786	5.961	6.974	8.225

Annual Runoff in MCM = 67 Annual Runoff in mm =

Peak Observed Discharge = 21.31 cumecs on 26-11-2018 Corres. Water Level :7.635 m

Lowest Observed Discharge = 0.000 cumecs on 01-06-2018

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

#:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	7.135	8.318	6.380	2.141 #	6.165	0.425		0.000		0.000		0.000
2	6.950	7.028 *	6.398	1.878	6.205	0.525		0.000		0.000		0.000
3	6.785	5.789	6.360	1.648	6.230	0.648 *		0.000		0.000		0.000
4	6.718	5.200	6.355	1.598	6.293	0.976		0.000		0.000		0.000
5	6.700	4.885	6.380	1.881	6.278	0.789		0.000		0.000		0.000
6	6.628	3.056	6.400	2.413 *	6.238	0.711		0.000		0.000		0.000
7	6.540	3.263 #	6.450	3.417	6.198	0.469		0.000		0.000		0.000
8	6.460	2.702 #	6.465	3.635	6.180	0.414		0.000		0.000		0.000
9	6.415	2.411 *	6.418	2.403	6.175	0.405		0.000		0.000		0.000
10	6.293	1.416	6.348	2.097	6.200	0.547 *		0.000		0.000		0.000
11	6.343	2.025	6.325	1.388	6.193	0.454		0.000		0.000		0.000
12	6.483	3.574	6.290	0.856	6.110	0.372		0.000		0.000		0.000
13	6.385	2.227 #	6.315	1.381 *	6.065	0.190		0.000		0.000		0.000
14	6.423	2.457	6.348	2.097	6.130	0.399		0.000		0.000		0.000
15	6.330	1.996	6.350	1.766 *	6.110	0.328		0.000		0.000		0.000
16	6.410	2.380 *	6.378	1.874	6.050	0.196		0.000		0.000		0.000
17	6.435	2.542	6.458	3.409	6.035	0.156 *		0.000		0.000		0.000
18	6.450	1.667 #	6.483	3.736	5.955	0.050 #		0.000		0.000		0.000
19	6.350	0.991 #	6.345	2.082	6.060	0.187		0.000		0.000		0.000
20	6.388	1.291	6.380	2.141 *	5.995	0.081		0.000		0.000		0.000
21	6.380	1.158	6.350	2.120	5.965	0.082		0.000		0.000		0.000
22	6.640	3.036	6.310	0.969 #	5.945	0.000		0.000		0.000		0.000
23	6.670	3.800 *	6.278	0.789	5.920	0.000		0.000		0.000		0.000
24	6.743	5.481	6.275	0.802	5.880	0.000		0.000		0.000		0.000
25	6.660	3.683 *	6.375	1.284 #	5.920	0.000		0.000		0.000		0.000
26	6.548	2.180	6.365	1.232 *	5.785	0.000		0.000		0.000		0.000
27	6.458	1.856	6.330	1.060 *	5.740	0.000		0.000		0.000		0.000
28	6.358	2.147	6.290	0.865	5.700	0.000		0.000		0.000		0.000
29	6.335	2.022	6.293	1.006				0.000		0.000		0.000
30	6.315	1.381 *	6.290	0.976				0.000		0.000		0.000
31	6.413	2.365	6.220	0.613 #				0.000				0.000
<u>Ten-Daily Mean</u>												
I Ten-Daily	6.662	4.407	6.395	2.311	6.216	0.591		0.000		0.000		0.000
II Ten-Daily	6.399	2.115	6.367	2.073	6.070	0.241		0.000		0.000		0.000
III Ten-Daily	6.502	2.646	6.307	1.065	5.857	0.010		0.000		0.000		0.000
<u>Monthly</u>												
Min.	6.293	0.991	6.220	0.613	5.700	0.000		0.000		0.000		0.000
Max.	7.135	8.318	6.483	3.736	6.293	0.976		0.000		0.000		0.000
Mean	6.520	3.043	6.355	1.792	6.061	0.3		0		0		0

Peak Computed Discharge = 24.60 cumecs on 25-11-2018

Corres. Water Level :7.94 m

Lowest Computed Discharge = 0.100 cumecs on 13-09-2018

Corres. Water Level :6.08 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

#:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

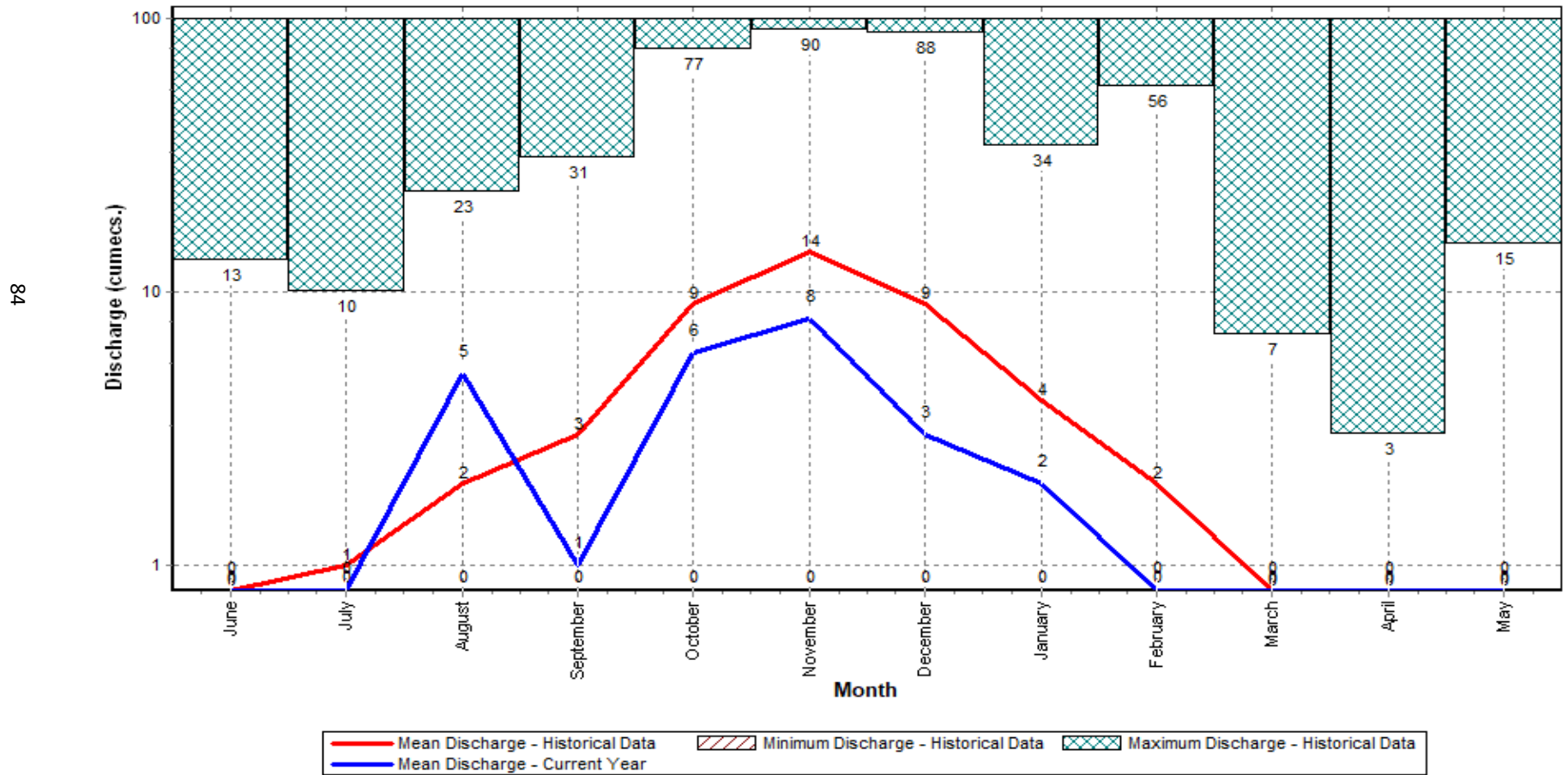
Station Name : Thengudi (CCA31N6)

Data considered : 1999-2019

Division : Hydrology Division, Chennai

Local River : Cauvery

Sub-Division : Cauvery Delta SD, Karaikkal



Annual Runoff Values for the period: 1999 - 2019

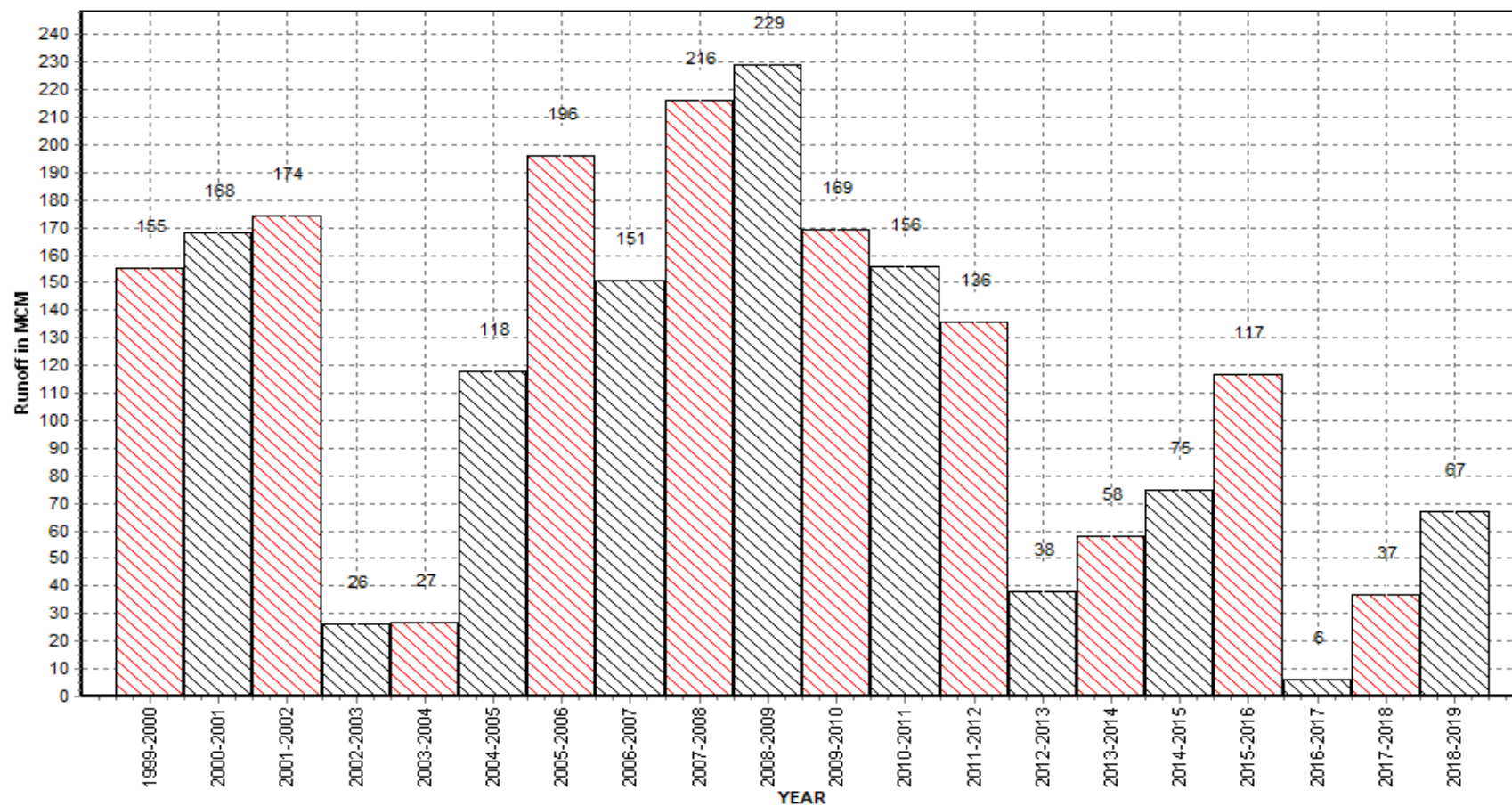
Station Name : Thengudi (CCA31N6)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal

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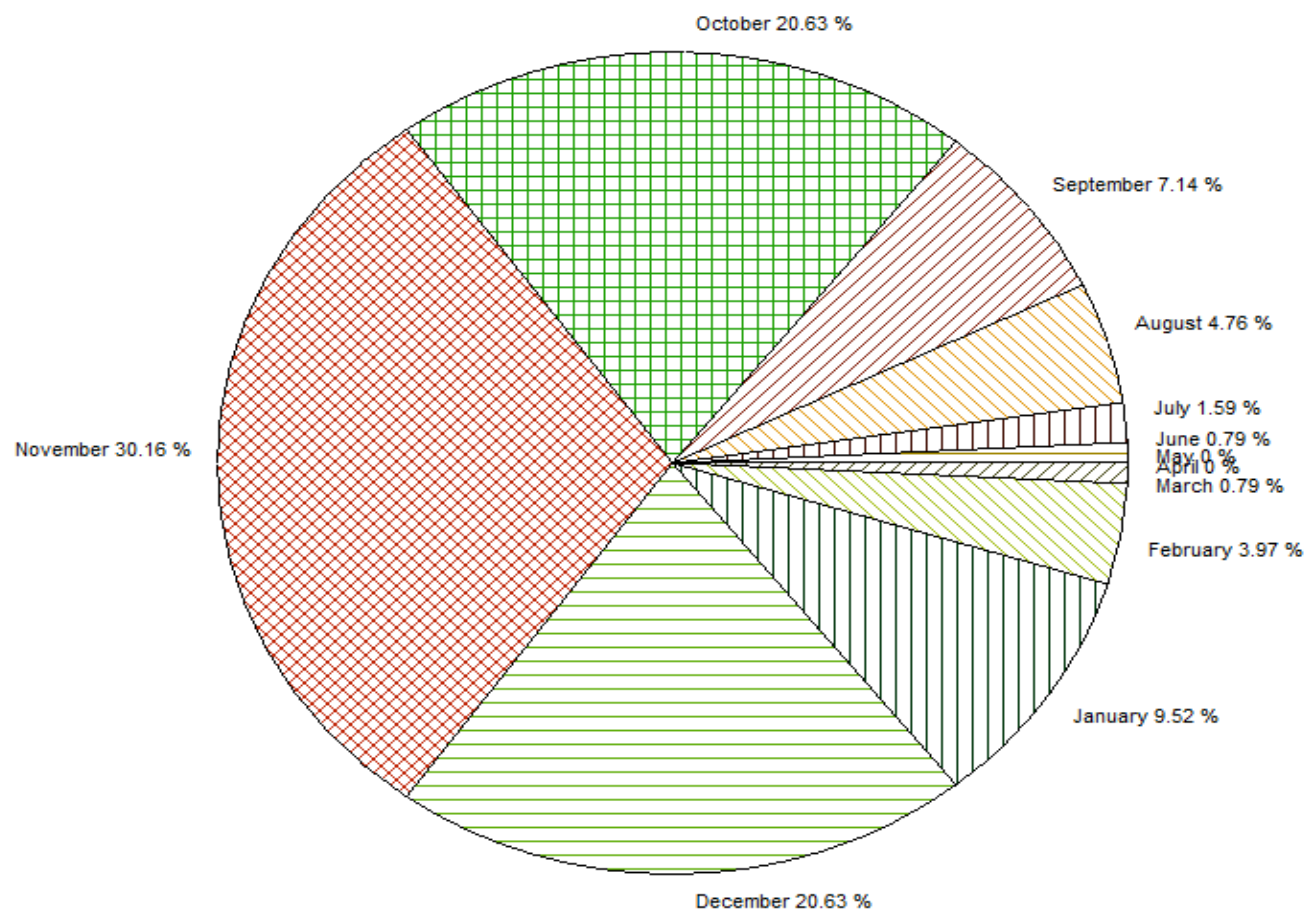


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Thengudi (CCA31N6)
Local River : Cauvery

Monthly Average Runoff based on period : 1999-2018

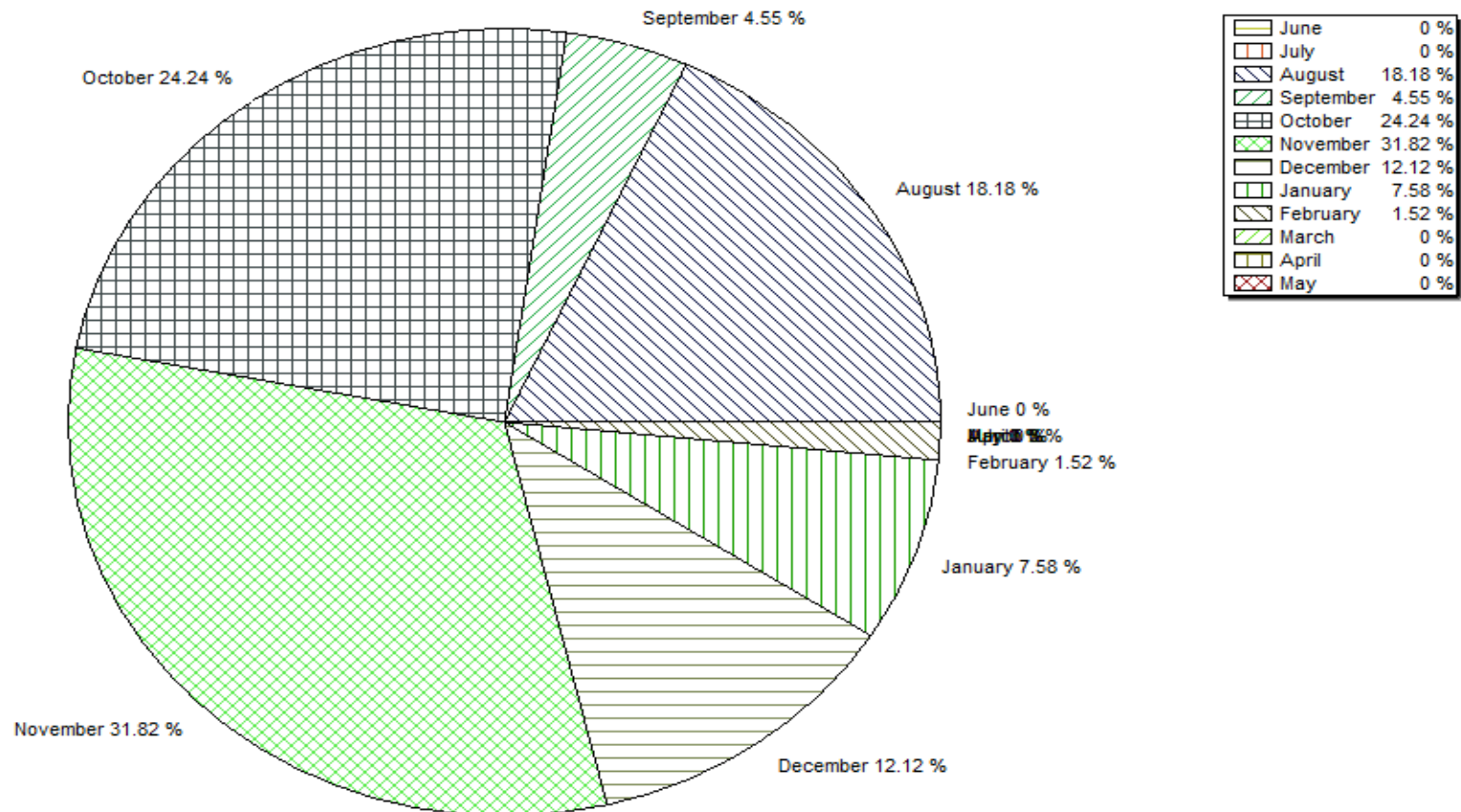
Division : Hydrology Division, Chennai
Sub-Division : Cauvery Delta SD, Karaikkal



Station Name : Thengudi (CCA31N6)
Local River : Cauvery

Monthly Runoff for the Year : 2018-2019

Division : Hydrology Division, Chennai
Sub-Division : Cauvery Delta SD, Karaikkal

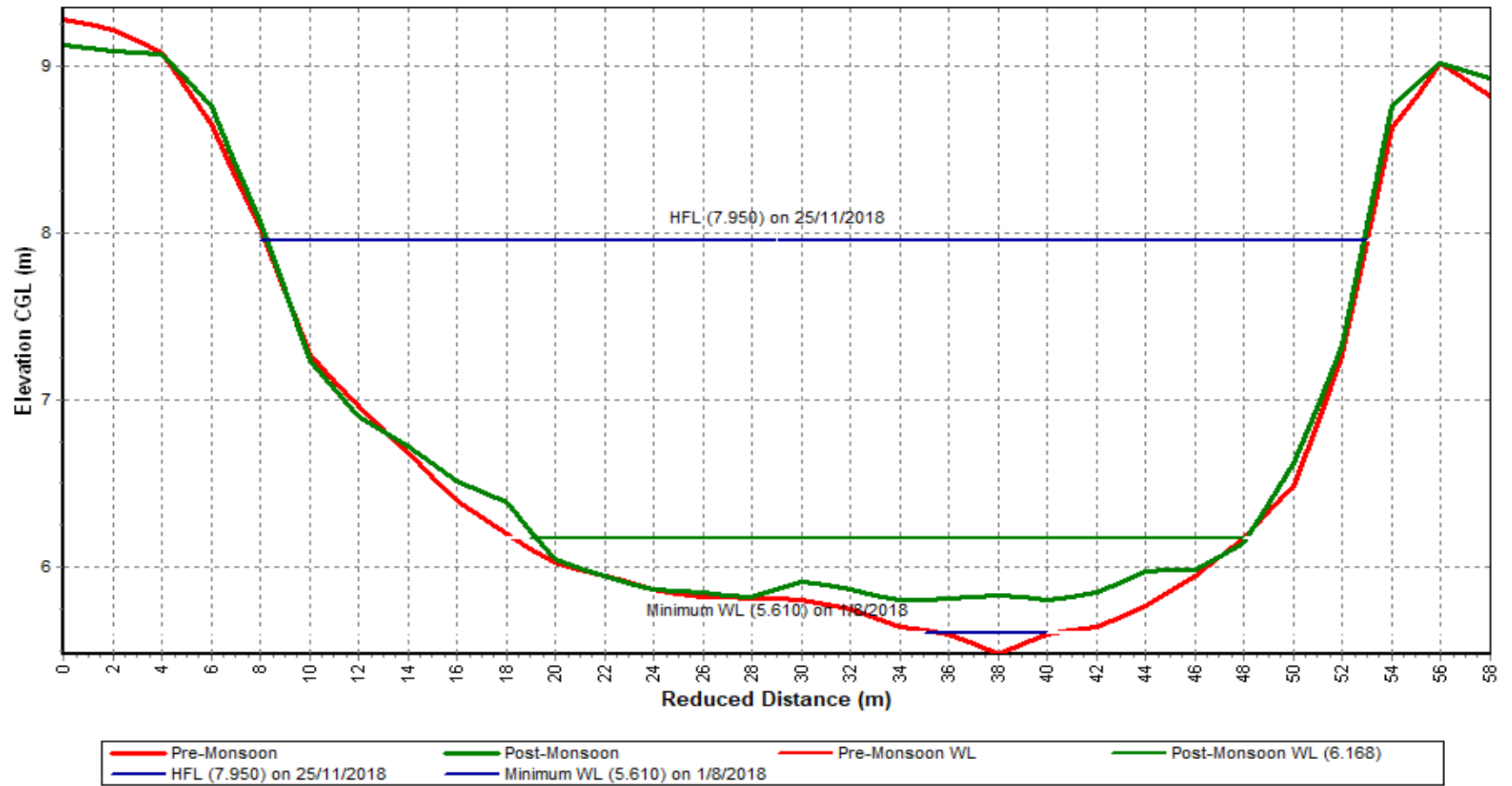


Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : Thengudi (CCA31N6)
Local River : Cauvery

Division : Hydrology Division, Chennai
Sub-Division : Cauvery Delta SD, Karaikkal

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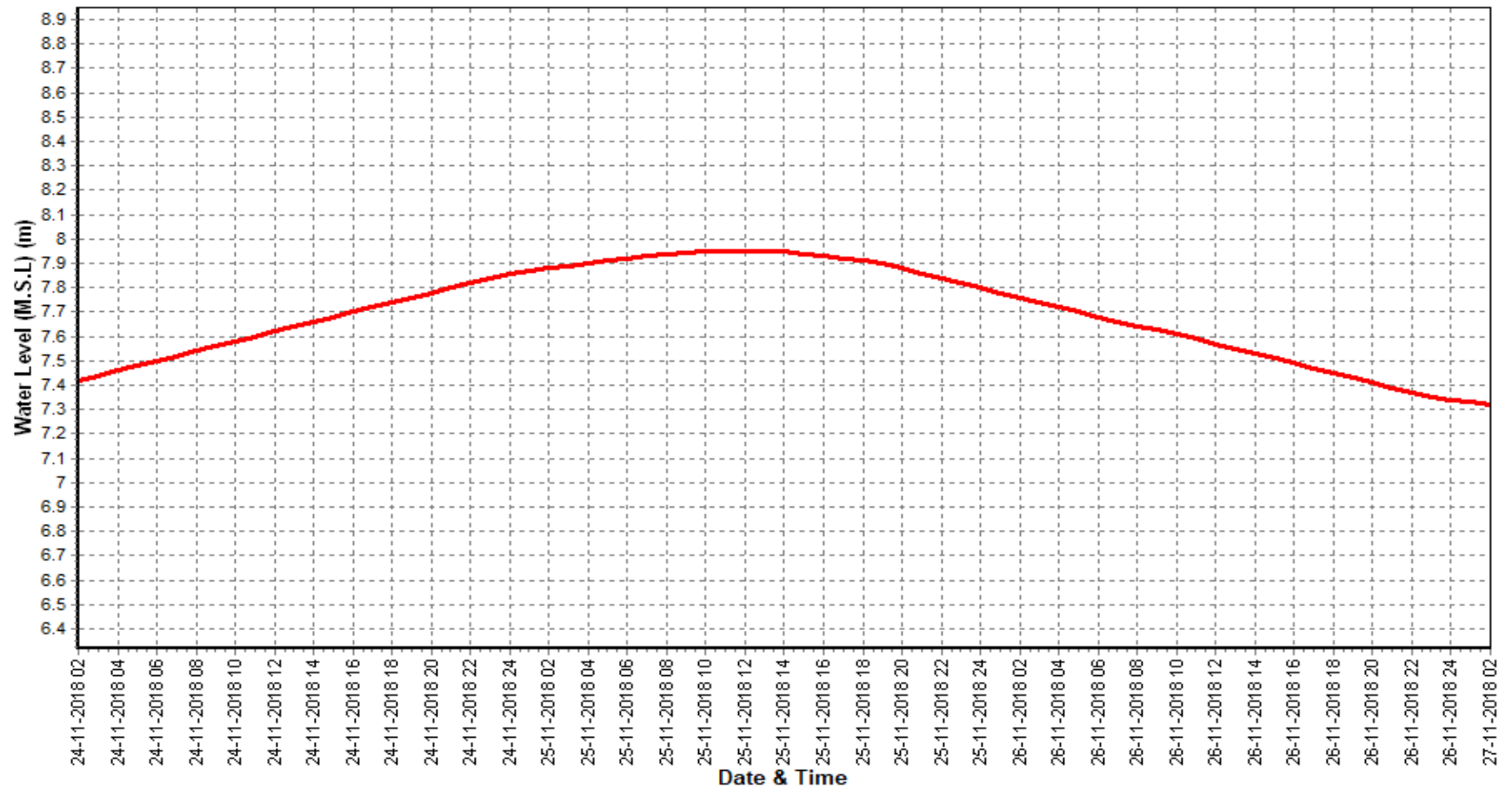
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : Thengudi (CCA31N6)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal



Time Span: 72 Hrs

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

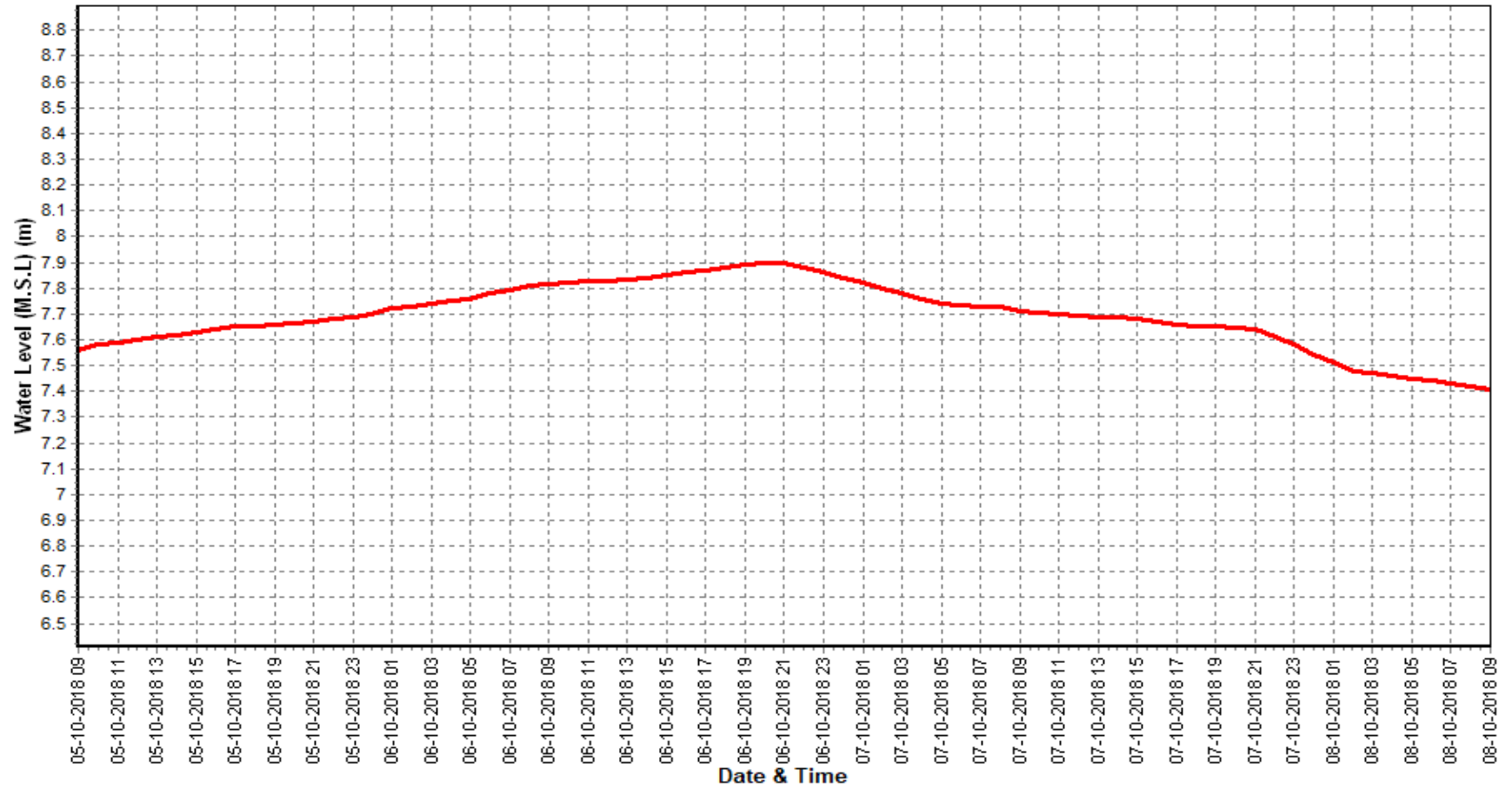
Station Name : Thengudi (CCA31N6)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal

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Time Span: 72 Hrs

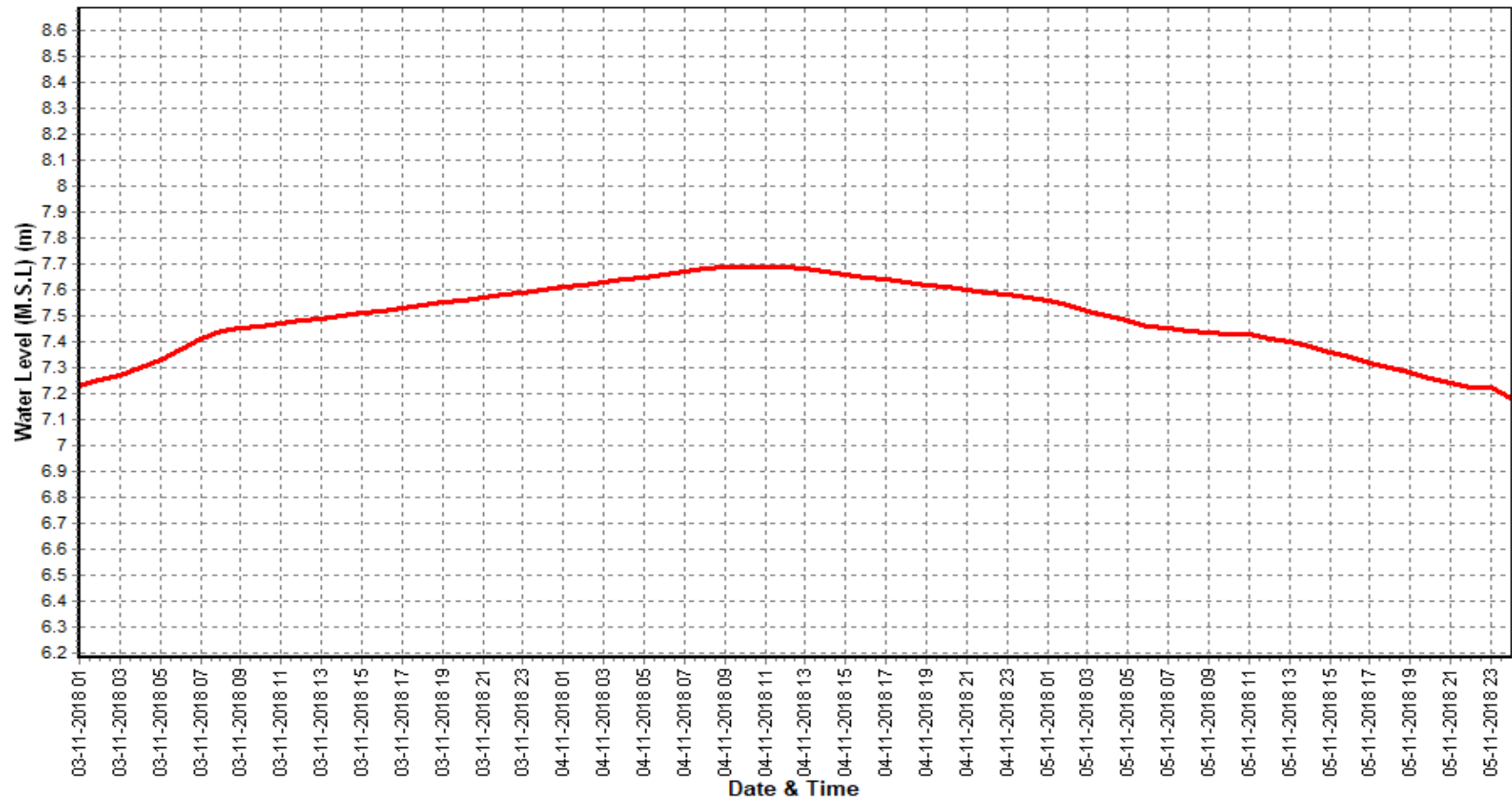
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : Thengudi (CCA31N6)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal



Time Span: 72 Hrs

HISTORY SHEET

		Water Year	: 2018-2019
Site	: varanavasi	Code	: VARANA
State	: Tamil Nadu	District	Perambalur
Basin	: Cauvery	Independent River	: Cauvery
Tributary	: Marudaiyar	Sub Tributary	: -
Sub-Sub Tributary	: -	Local River	: Marudaiyar
Division	: SR Division, Coimbatore	Sub-Division	: Lower Cauvery SD, Trichy
Drainage Area	: 468 Sq. Km.	Bank	:
Latitude	: 11°05'33"	Longitude	: 79°05'06"
Zero of Gauge (m)	: 58.000(Arb)	04-11-2016	
	Opening Date	Closing Date	
Gauge	: 04-11-2016		
Discharge	: 22-10-2018		
Sediment	:		
Water Quality	:		

Stage-Discharge Data for the period 2018 - 2019

Station Name : varanavasi (VARANA)

Division : SR Division, Coimbatore

Local River : Marudaiyar

Sub-Division : Lower Cauvery SD, Trichy

Day	Jun	Jul	Aug	Sep	Oct	Nov
	W.L Q	W.L Q	W.L Q	W.L Q	W.L Q	W.L Q
1						
2						
3						
4						
5						
6						
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9						
10						
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25						
26						
27						
28						
29						
30						
31						
<u>Ten-Daily Mean</u>						
I Ten-Daily						
II Ten-Daily						
III Ten-Daily						
<u>Monthly</u>						
Min.						
Max.						
Mean						

Annual Runoff in MCM = 0 Annual Runoff in mm = 0

Peak Observed Discharge = 0.000 cumecs on 01-01-2019

Lowest Observed Discharge = 0.000 cumecs on 01-01-2019

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : varanavasi (VARANA)

Division : SR Division, Coimbatore

Local River : Marudaiyar

Sub-Division : Lower Cauvery SD, Trichy

Day	Dec	Jan	Feb	Mar	Apr	May
	W.L Q	W.L Q	W.L Q	W.L Q	W.L Q	W.L Q
1		0.000	0.000	0.000	0.000	0.000
2		0.000	0.000	0.000	0.000	0.000
3		0.000	0.000	0.000	0.000	0.000
4		0.000	0.000	0.000	0.000	0.000
5		0.000	0.000	0.000	0.000	0.000
6		0.000	0.000	0.000	0.000	0.000
7		0.000	0.000	0.000	0.000	0.000
8		0.000	0.000	0.000	0.000	0.000
9		0.000	0.000	0.000	0.000	0.000
10		0.000	0.000	0.000	0.000	0.000
11		0.000	0.000	0.000	0.000	0.000
12		0.000	0.000	0.000	0.000	0.000
13		0.000	0.000	0.000	0.000	0.000
14		0.000	0.000	0.000	0.000	0.000
15		0.000	0.000	0.000	0.000	0.000
16		0.000	0.000	0.000	0.000	0.000
17		0.000	0.000	0.000	0.000	0.000
18		0.000	0.000	0.000	0.000	0.000
19		0.000	0.000	0.000	0.000	0.000
20		0.000	0.000	0.000	0.000	0.000
21		0.000	0.000	0.000	0.000	0.000
22		0.000	0.000	0.000	0.000	0.000
23		0.000	0.000	0.000	0.000	0.000
24		0.000	0.000	0.000	0.000	0.000
25		0.000	0.000	0.000	0.000	0.000
26		0.000	0.000	0.000	0.000	0.000
27		0.000	0.000	0.000	0.000	0.000
28		0.000	0.000	0.000	0.000	0.000
29		0.000		0.000	0.000	0.000
30		0.000		0.000	0.000	0.000
31		0.000		0.000		0.000
<u>Ten-Daily Mean</u>						
I Ten-Daily		0.000	0.000	0.000	0.000	0.000
II Ten-Daily		0.000	0.000	0.000	0.000	0.000
III Ten-Daily		0.000	0.000	0.000	0.000	0.000
<u>Monthly</u>						
Min.		0.000	0.000	0.000	0.000	0.000
Max.		0.000	0.000	0.000	0.000	0.000
Mean		0	0	0	0	0

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

Note:Missing values ignored while arriving at Annual Runoff

Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

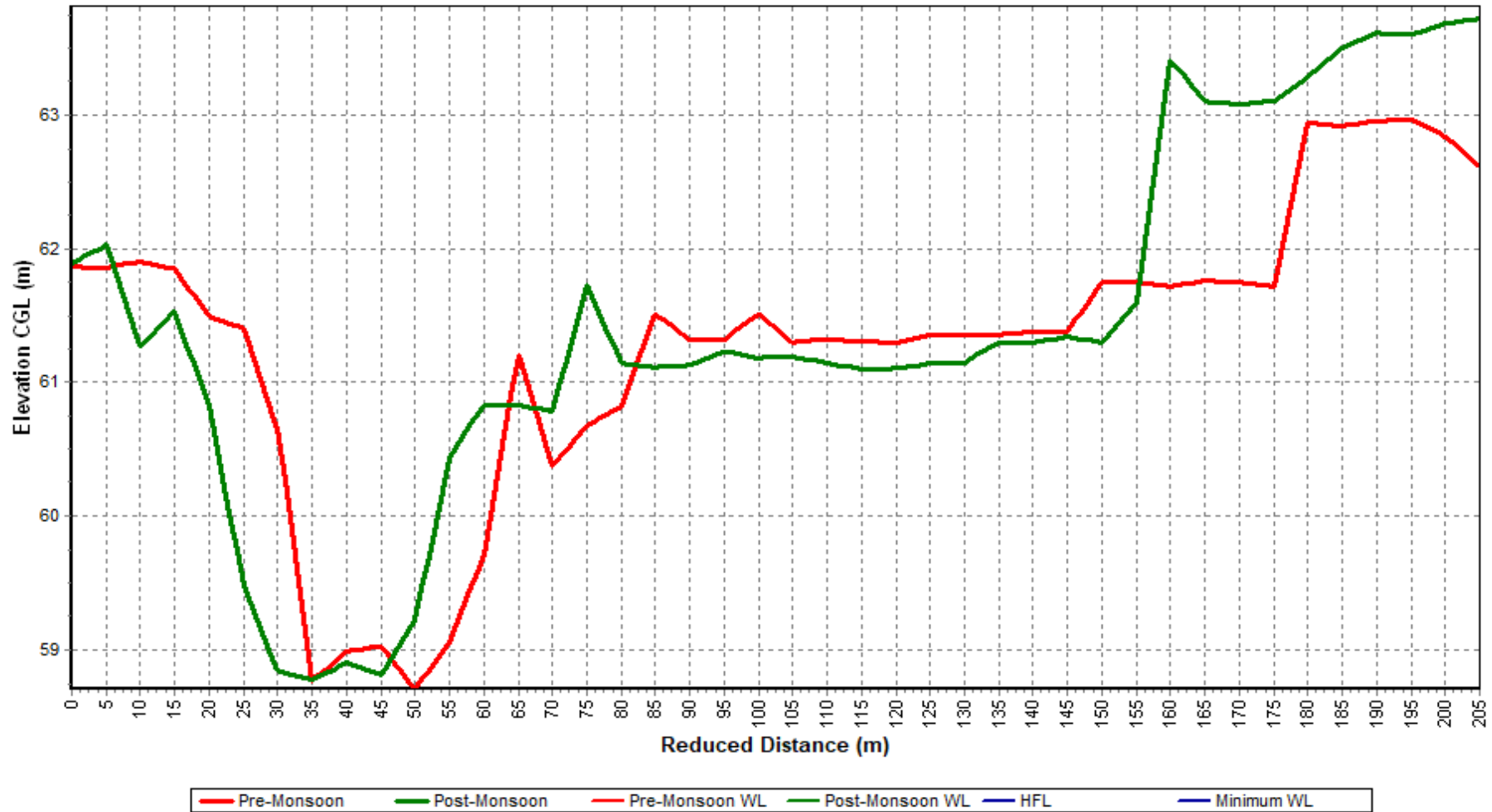
Station Name : varanavasi (VARANA)

Local River : Marudaiyar

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichy

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HISTORY SHEET

		Water Year	: 2018-2019
Site	: THANDALAIPUTHUR	Code	: THANDALAI
State	: Tamil Nadu	District	Thiruchirapalli
Basin	: Cauvery	Independent River	: Cauvery
Tributary	: Ayyar	Sub Tributary	: -
Sub-Sub Tributary	: -	Local River	: Ayyar
Division	: SR Division, Coimbatore	Sub-Division	: Lower Cauvery SD, Trichy
Drainage Area	: 1058 Sq. Km.	Bank	: Left
Latitude	: 10°59'28"	Longitude	: 78°30'48"
Zero of Gauge (m)	: 95.000(Arb.)	30.06.2018	
	Opening Date	Closing Date	
Gauge	: 28-10-2016		
Discharge	: 01-01-2019		
Sediment	:		
Water Quality	:		

Stage-Discharge Data for the period 2018 - 2019

Station Name : THANDALAIPUTHUR (THANDALAI)

Division : SR Division, Coimbatore

Local River : Ayyar

Sub-Division : Lower Cauvery SD, Trichy

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												
13												
14												
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19												
20												
21												
22												
23												
24												
25												
26												
27												
28												
29												
30												
31												
<u>Ten-Daily Mean</u>												
I Ten-Daily												
II Ten-Daily												
III Ten-Daily												
<u>Monthly</u>												
Min.												
Max.												
Mean												

Annual Runoff in MCM = 0 Annual Runoff in mm = 0

Peak Observed Discharge = 0.000 cumecs on 01-06-2018

Lowest Observed Discharge = 0.000 cumecs on 01-06-2018

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : THANDALAIPUTHUR (THANDALAI)

Division : SR Division, Coimbatore

Local River : Ayyar

Sub-Division : Lower Cauvery SD, Trichy

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1				0.000		0.000		0.000		0.000		0.000
2				0.000		0.000		0.000		0.000		0.000
3				0.000		0.000		0.000		0.000		0.000
4				0.000		0.000		0.000		0.000		0.000
5				0.000		0.000		0.000		0.000		0.000
6				0.000		0.000		0.000		0.000		0.000
7				0.000		0.000		0.000		0.000		0.000
8				0.000		0.000		0.000		0.000		0.000
9				0.000		0.000		0.000		0.000		0.000
10				0.000		0.000		0.000		0.000		0.000
11				0.000		0.000		0.000		0.000		0.000
12				0.000		0.000		0.000		0.000		0.000
13				0.000		0.000		0.000		0.000		0.000
14				0.000		0.000		0.000		0.000		0.000
15				0.000		0.000		0.000		0.000		0.000
16				0.000		0.000		0.000		0.000		0.000
17				0.000		0.000		0.000		0.000		0.000
18				0.000		0.000		0.000		0.000		0.000
19				0.000		0.000		0.000		0.000		0.000
20				0.000		0.000		0.000		0.000		0.000
21				0.000		0.000		0.000		0.000		0.000
22				0.000		0.000		0.000		0.000		0.000
23				0.000		0.000		0.000		0.000		0.000
24				0.000		0.000		0.000		0.000		0.000
25				0.000		0.000		0.000		0.000		0.000
26				0.000		0.000		0.000		0.000		0.000
27				0.000		0.000		0.000		0.000		0.000
28				0.000		0.000		0.000		0.000		0.000
29				0.000				0.000		0.000		0.000
30				0.000				0.000		0.000		0.000
31				0.000				0.000				0.000
Ten-Daily Mean												
I Ten-Daily				0.000		0.000		0.000		0.000		0.000
II Ten-Daily				0.000		0.000		0.000		0.000		0.000
III Ten-Daily				0.000		0.000		0.000		0.000		0.000
Monthly												
Min.				0.000		0.000		0.000		0.000		0.000
Max.				0.000		0.000		0.000		0.000		0.000
Mean				0		0		0		0		0

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

Note:Missing values ignored while arriving at Annual Runoff

Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

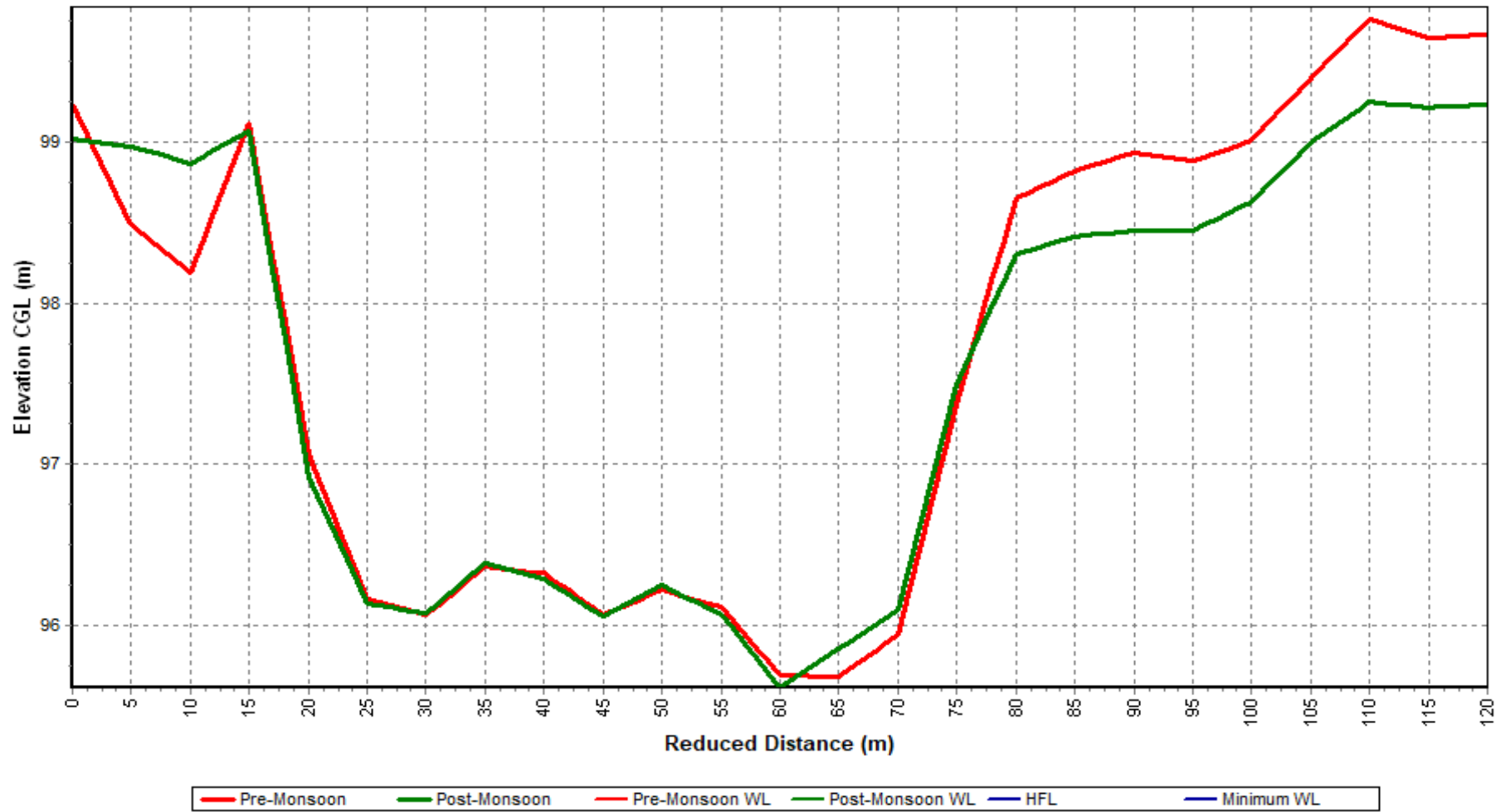
Station Name : THANDALAIPUTHUR (THANDALAI)

Local Ri

Division : SR Division, Coimbatore

ery SD, Trichy

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HISTORY SHEET

Water Year : 2018-2019

Site : MUSIRI

Code : CC000G4

State : Tamil Nadu

District : Thiruchirapalli

Basin : Cauvery

Independent River : Cauvery

Tributary : -

Sub Tributary :

Sub-Sub Tributary :

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi

Drainage Area : 66243 Sq. Km.

Bank : Left

Latitude : 10°56'36"

Longitude : 78°26'06"

Zero of Gauge (m) : 82.000 (m.s.l)

26-02-1971

Opening Date

Closing Date

Gauge : 26-02-1971

Discharge : 01-06-1972

Sediment : 31-03-1973

Water Quality : 01-06-1978

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1973-1974	2115	84.455	15-10-1973	4.900	83.005	30-04-1974
1974-1975	1334	84.580	16-09-1974	1.200	82.825	24-04-1975
1975-1976	2494	85.265	23-09-1975	2.200	82.845	16-06-1975
1976-1977	590.4	84.220	18-08-1976	2.900	83.200	28-05-1977
1977-1978	4510	86.175	13-11-1977	2.500	83.200	26-06-1977
1978-1979	3595	85.313	06-11-1978	5.200	83.110	23-05-1979
1979-1980	4050	86.050	20-11-1979	4.600	83.100	29-03-1980
1980-1981	4383	85.825	07-07-1980	5.500	83.000	16-05-1981
1981-1982	4150	85.800	13-09-1981	4.000	82.910	14-04-1982
1982-1983	665.6	84.145	16-09-1982	2.000	83.055	13-02-1983
1983-1984	1012	84.515	25-12-1983	1.000	83.140	03-07-1983
1984-1985	967.7	84.530	28-10-1984	6.500	83.120	18-04-1985
1985-1986	556.0	84.190	27-09-1985	4.200	83.070	26-03-1986
1986-1987	697.8	84.300	09-10-1986	2.500	83.060	09-06-1986
1987-1988	533.2	84.250	21-11-1987	0.350	83.030	12-07-1987
1988-1989	778.9	84.390	12-10-1988	2.714	83.220	17-06-1988
1989-1990	684.8	84.325	18-09-1989	0.491	83.040	28-06-1989
1990-1991	636.3	84.180	10-09-1990	1.789	83.160	05-07-1990
1991-1992	1856	85.033	18-11-1991	0.449	83.170	29-05-1992

Q : Observed / Computed Discharge

WL : Corresponding Water Level(m.s.l)

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1992-1993	2456	85.239	23-08-1992	7.662	83.245	01-06-1992
1993-1994	6400	86.065	10-11-1993	2.102	83.020	03-06-1993
1994-1995	2561	85.380	03-08-1994	2.707	82.850	19-05-1995
1995-1996	668.7	84.200	22-10-1995	4.897	83.135	17-05-1996
1996-1997	796.2	84.270	11-10-1996	7.000	82.940	18-04-1997
1997-1998	1477	84.750	08-12-1997	16.46	83.130	05-06-1997
1998-1999	981.2	84.480	13-12-1998	6.500	83.090	30-05-1999
1999-2000	1324	84.650	25-11-1999	4.400	82.940	21-05-2000
2000-2001	4232	85.845	12-10-2000	4.218	83.050	25-03-2001
2001-2002	638.4	84.080	20-07-2001	1.003	82.940	08-04-2002
2002-2003	453.7	83.930	25-12-2002	0.000	82.640	19-05-2003
2003-2004	594.2	84.005	13-10-2003	0.000	Dry Bed	08-05-2004
2004-2005	632.3	83.985	16-10-2004	0.000	Dry Bed	30-06-2004
2005-2006	7690	86.650	25-10-2005	0.632	82.760	26-06-2005
2006-2007	1717	84.640	21-08-2006	4.491	82.650	20-05-2007
2007-2008	3940	85.750	13-08-2007	2.858	82.590	02-03-2008
2008-2009	984.9	83.960	23-10-2008	3.349	82.630	31-05-2009
2009-2010	1283	84.020	14-10-2009	3.179	82.610	19-06-2009
2010-2011	870.6	83.900	24-11-2010	4.160	82.560	03-06-2010
2011-2012	693.6	83.490	19-08-2011	10.57	81.810	10-05-2012
2012-2013	698.6	83.425	16-10-2012	0.000	81.260	28-04-2013
2013-2014	4023	84.700	06-08-2013	0.000	81.200	01-06-2013
2014-2015	751.7	82.730	24-08-2014	0.000	81.050	27-06-2014
2015-2016	683.9	82.380	06-11-2015	1.721	80.590	11-07-2015
2016-2017	499.6	82.120	15-10-2016	0.000	80.655	01-04-2017
2017-2018	586.0	82.040	20-10-2017	0.000	Dry Bed	01-06-2017

Stage-Discharge Data for the period 2018 - 2019

Station Name : Musiri (CC000G4)

Division : SR Division, Coimbatore

Local River : Cauvery

Sub-Division : Lower Cauvery SD, Trichi

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	81.040	1.895	81.210	10.01 *	81.940	615.3	80.750	178.4 #	81.430	376.1	81.430	439.5
2	81.060	2.402	81.110	4.896	81.790	521.0	81.580	672.3 *	81.510	514.7 *	81.280	302.8
3	81.270	13.78 *	81.110	5.478	81.770	497.1	81.580	677.3	81.600	587.5	81.080	255.2
4	81.200	9.199	81.060	3.631	81.800	561.7	81.465	434.5	81.610	604.1	80.800	140.7 *
5	81.200	10.07	81.040	2.379	81.790	512.3 *	80.960	234.3	81.425	331.0	80.540	61.70
6	81.200	10.03	81.040	2.015	81.790	552.7	80.770	178.4	80.800	140.7 #	80.520	71.32 *
7	81.200	9.687	81.150	6.223	81.770	483.4	80.830	196.3	80.640	89.23 *	80.400	48.25
8	81.200	9.649	81.200	9.433 *	81.770	502.9	80.630	120.7	80.655	108.1	80.310	33.24
9	81.260	12.02	81.230	11.21	81.770	491.4	80.830	213.6 *	80.805	148.3	80.290	28.36
10	81.280	14.46 *	81.200	9.996	81.805	561.4	81.075	432.7	80.660	101.8	80.350	43.74
11	81.310	16.17	81.190	8.350	82.145	912.9	81.490	537.8	80.655	88.60	80.290	29.58 *
12	81.320	18.32	81.190	8.518	82.890	2477	81.580	593.9	80.800	140.7 #	80.350	38.81 *
13	81.265	13.06	81.170	8.152	83.460	3125	81.520	521.7 *	81.085	269.2	80.855	176.9
14	81.160	6.811	81.150	7.630	83.010	2284	81.625	705.5	80.980	212.9 *	80.565	40.25
15	81.140	5.432	81.130	5.837 *	83.060	2361 *	81.540	499.3	81.215	365.1	80.580	57.58
16	81.130	5.837 *	81.155	7.582	83.815	3787	81.600	579.2 *	81.210	317.1	80.580	46.15
17	81.140	6.304 *	81.145	7.300	84.180	5304 *	81.590	607.2	81.310	381.1	80.525	35.75
18	81.140	5.367	81.135	6.860	84.480	7488	81.630	666.9	80.880	170.9 *	80.540	40.93 *
19	81.100	4.493	81.130	6.443	84.400	6037 *	81.550	508.4	81.310	385.1 *	80.740	101.4
20	81.080	3.568	81.130	5.905	84.195	4803	81.525	476.3	81.365	430.7	80.670	80.67
21	81.080	3.493	81.650	396.6 #	83.965	4499	81.480	494.0 *	81.380	428.3 *	80.720	93.43 *
22	81.060	3.157	81.995	677.3	82.800	1860 *	81.440	436.3	81.380	478.7	80.660	76.70
23	81.040	2.894	82.070	793.9	82.610	1650	81.570	557.3 *	81.395	504.3	80.660	73.36 *
24	81.040	2.381 *	82.270	788.7	81.700	765.9 #	81.530	489.3	81.365	455.1	80.700	81.37
25	81.060	3.222	83.060	2646	81.685	753.9 #	81.600	672.4	81.290	333.9	80.670	76.52 *
26	81.070	3.858	82.875	1811	81.400	542.0 *	81.700	712.2	81.280	316.3	80.660	81.83
27	81.130	6.907	82.180	1138	81.490	653.8	81.695	705.9	81.310	360.0	80.460	25.10
28	81.200	8.808	82.845	1897	81.490	646.0	81.710	736.6	81.460	480.5 *	80.470	28.89
29	81.200	8.345	82.720	1719 *	81.520	699.8	81.730	756.1	81.420	432.0	80.570	42.33
30	81.210	9.454	82.380	1191	81.250	432.7	81.780	720.1 *	81.430	439.2	80.490	31.84
31			82.080	629.5	80.690	187.9			81.440	432.7		
Ten-Daily Mean												
I Ten-Daily	81.191	9.319	81.135	6.527	81.800	529.9	81.047	333.9	81.114	300.1	80.700	142.5
II Ten-Daily	81.179	8.536	81.153	7.258	83.563	3858	81.565	569.6	81.081	276.1	80.570	64.80
III Ten-Daily	81.109	5.252	82.375	1244	81.873	1154	81.623	628.0	81.377	423.7	80.606	61.14
Monthly												
Min.	81.040	1.895	81.040	2.015	80.690	187.9	80.630	120.7	80.640	88.60	80.290	25.10
Max.	81.320	18.32	83.060	2646	84.480	7488	81.780	756.1	81.610	604.1	81.430	439.5
Mean	81.160	7.702	81.581	446	82.395	1825	81.412	510.5	81.197	336.2	80.625	89.47

Annual Runoff in MCM = 9726 Annual Runoff in mm = 147

Peak Observed Discharge = 7488 cumecs on 18-08-2018 Corres. Water Level :84.48 m

Lowest Observed Discharge = 1.895 cumecs on 01-06-2018 Corres. Water Level :81.04 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Musiri (CC000G4)

Division : SR Division, Coimbatore

Local River : Cauvery

Sub-Division : Lower Cauvery SD, Trichi

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	80.595	53.82	80.980	175.6	80.280	10.65	80.270	9.718	80.070	2.240	80.220	9.505
2	80.560	52.19 *	80.980	172.8	80.250	7.148	80.270	9.771	80.070	2.006	80.200	8.370
3	80.515	40.81	81.000	181.9	80.240	8.362 *	80.420	28.41 *	80.920	156.4	80.090	2.943
4	80.580	51.33	81.010	184.4	80.280	12.69	80.270	9.395	80.900	146.8	80.080	2.796
5	80.670	87.85	80.990	175.7	80.270	11.52	80.270	9.858	80.910	151.2	80.080	2.714 *
6	80.890	151.6	81.000	186.0 *	80.260	9.464	80.280	11.04	80.890	148.5	80.190	7.336
7	80.930	164.0	80.990	176.3	80.350	19.66	80.280	12.27	80.880	125.1 *	80.165	6.403
8	80.910	146.8	81.150	238.9	80.340	18.88	80.100	3.388 #	80.880	144.5	80.165	6.325
9	80.860	133.5 *	81.150	240.9	80.300	14.09	80.095	3.211 #	80.860	141.9	80.190	8.106
10	80.910	162.5	81.180	252.9	80.270	10.76 *	80.140	5.010 *	80.740	103.6	80.210	8.886
11	80.800	113.9	81.170	245.3	80.270	12.03	80.270	9.654	80.700	92.13	80.205	8.819
12	81.090	212.5	81.180	241.0	80.250	9.896	80.280	11.03	80.270	12.95	80.200	8.173 *
13	81.070	205.0	81.170	262.8 *	80.250	9.268	80.360	20.55	80.285	11.95	80.260	13.47
14	81.070	182.7	81.150	238.2	80.240	8.177	80.330	17.87	80.270	13.07 *	80.195	8.272
15	81.100	220.4	81.070	215.9 *	80.250	9.195	80.370	21.59	80.250	8.131	80.190	7.688
16	81.180	267.8 *	80.910	155.0	80.245	8.450	80.365	19.10	80.230	7.206	80.170	7.659
17	81.200	296.1	80.880	147.5	80.245	8.739 *	80.360	21.43 *	80.220	9.434 *	80.300	16.98
18	81.280	317.0	80.880	146.9	80.250	9.003	80.360	18.77	80.220	9.434 *	80.280	13.88 *
19	81.280	305.5	80.730	93.21 #	80.290	11.21	80.340	17.05	80.200	8.173 *	80.260	12.28 *
20	81.360	389.2	80.650	72.29 *	80.300	12.20	80.290	14.29	80.235	7.678	80.240	11.25
21	81.430	450.4	80.620	74.44	80.320	15.45	80.270	12.98	80.280	13.88 *	80.080	3.094
22	81.425	449.9	80.590	64.04	80.320	15.84	80.120	4.152 #	80.190	7.952	80.085	3.324
23	81.370	372.2 *	80.590	65.16	80.320	16.10	80.120	5.167	80.190	7.737	80.110	4.198
24	81.365	422.2	80.500	44.14	80.290	12.54 *	80.120	4.152 *	80.190	7.724	80.110	4.289
25	81.220	288.2 *	80.440	34.57	80.270	9.223	80.090	3.165	80.170	6.555	80.115	4.744
26	81.190	270.4	80.420	27.90 *	80.270	9.929	80.110	3.548	80.315	17.94	80.115	3.953 *
27	81.100	216.7	80.400	25.10 *	80.270	9.619	80.110	3.357	80.360	24.50	80.110	4.213
28	81.070	204.2	80.800	112.7	80.280	10.22	80.120	5.212	80.370	22.52 *	80.085	3.624
29	81.030	190.3	80.710	106.7			80.125	4.358 #	80.230	10.94	80.085	3.431
30	81.040	202.8 *	80.400	31.51			80.080	3.365	80.220	9.639	80.080	2.823
31	81.070	201.5	80.290	15.50			80.080	2.714 *			80.085	3.192
Ten-Daily Mean												
I Ten-Daily	80.742	104.4	81.043	198.5	80.284	12.32	80.239	10.21	80.712	112.2	80.159	6.338
II Ten-Daily	81.143	251.0	80.979	181.8	80.259	9.817	80.332	17.13	80.288	18.02	80.230	10.85
III Ten-Daily	81.210	297.2	80.524	54.70	80.292	12.36	80.122	4.743	80.252	12.94	80.096	3.717
Monthly												
Min.	80.515	40.81	80.290	15.50	80.240	7.148	80.080	2.714	80.070	2.006	80.080	2.714
Max.	81.430	450.4	81.180	262.8	80.350	19.66	80.420	28.41	80.920	156.4	80.300	16.98
Mean	81.037	220.1	80.838	142.1	80.277	11.44	80.228	10.5	80.417	47.73	80.160	6.863

Peak Computed Discharge = 6037 cumecs on 19-08-2018

Corres. Water Level :84.4 m

Lowest Computed Discharge = 2.381 cumecs on 24-06-2018

Corres. Water Level :81.04 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

Station Name : Musiri (CC000G4)

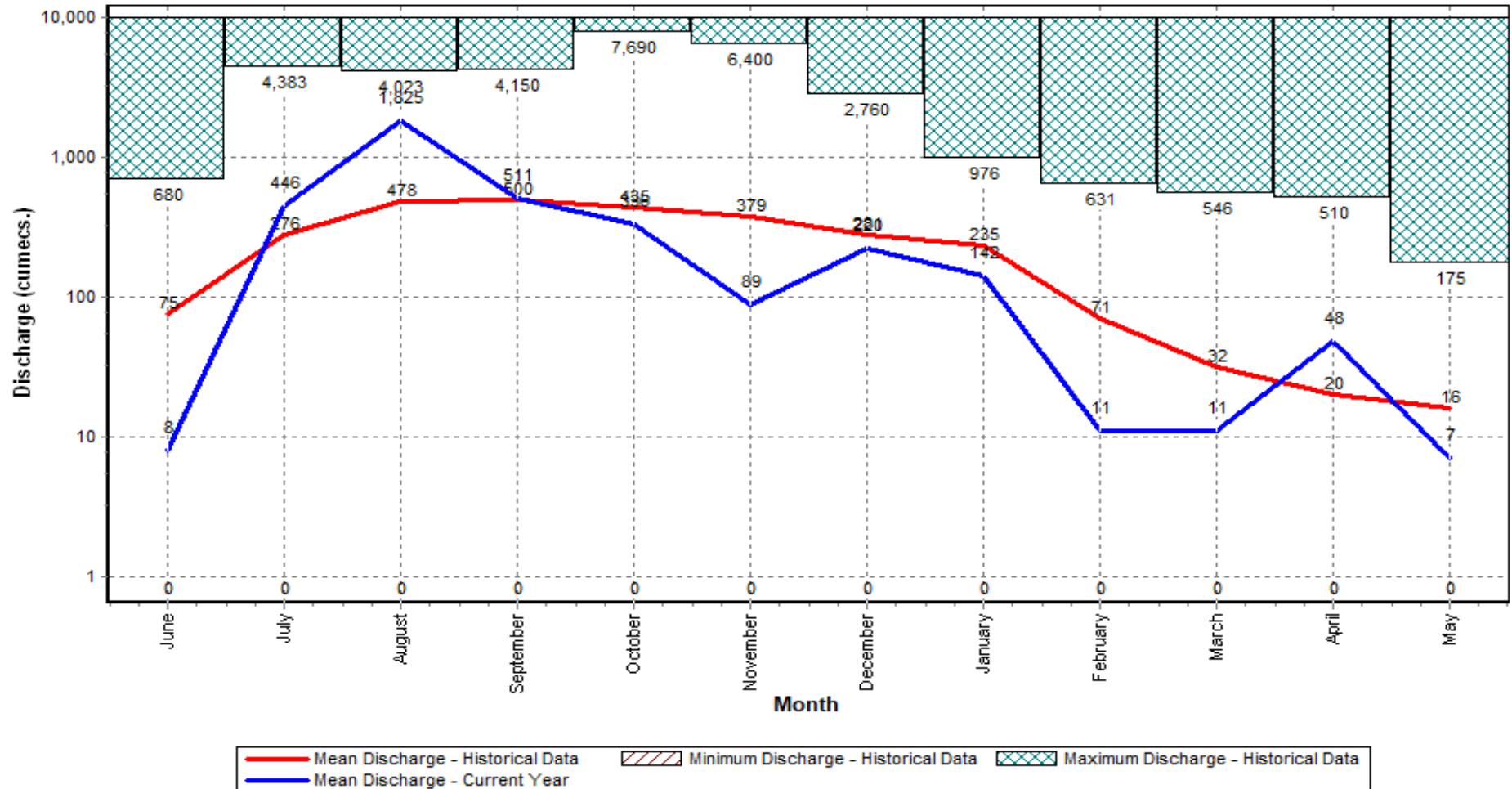
Data considered : 1973-2019

Division : SR Division, Coimbatore

Local River : Cauvery

Sub-Division : Lower Cauvery SD, Trichi

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Annual Runoff Values for the period: 1973 - 2019

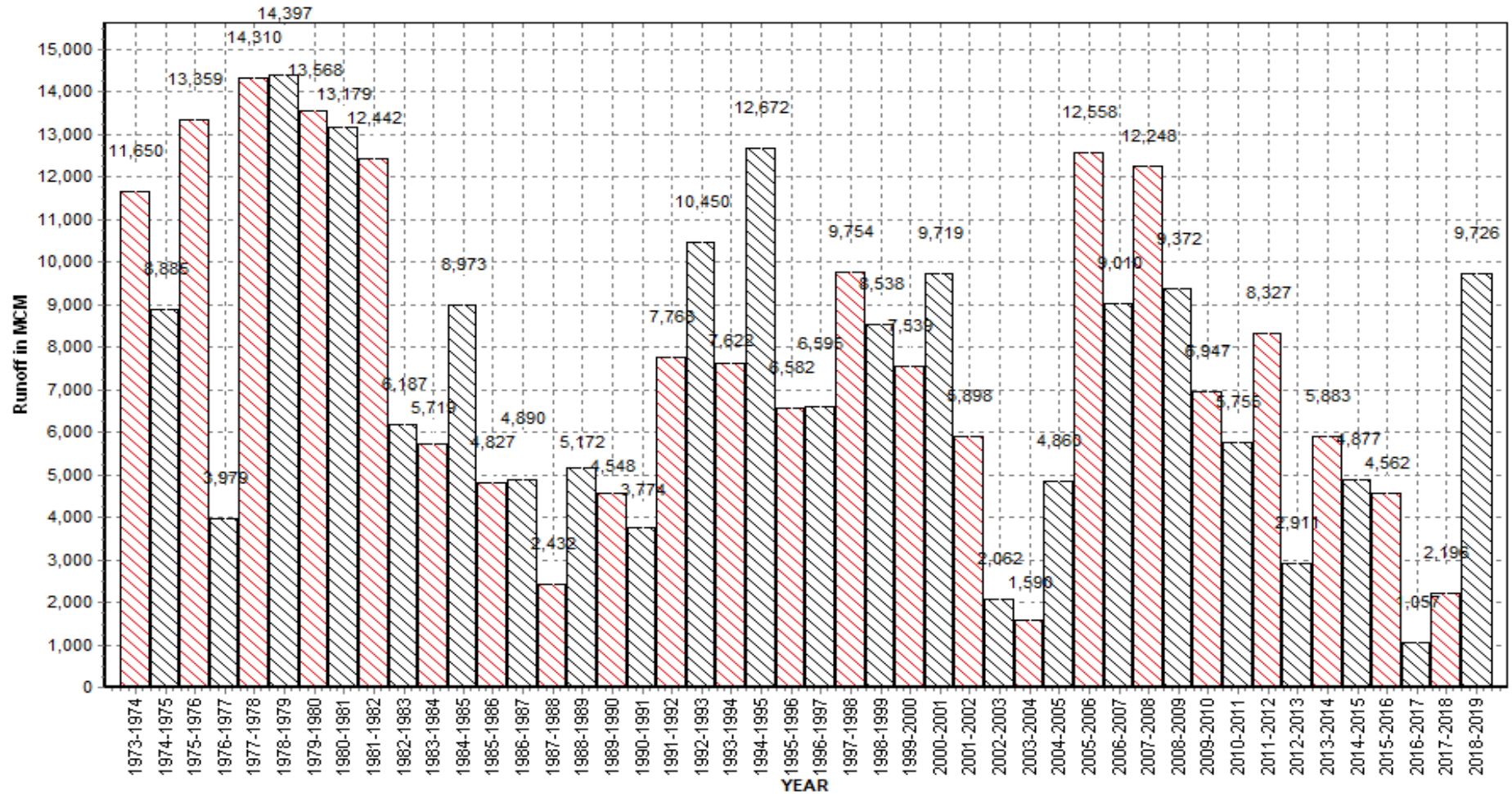
Station Name : Musiri (CC000G4)

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi

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Note: Missing values have not been considered while arriving at Annual Runoff

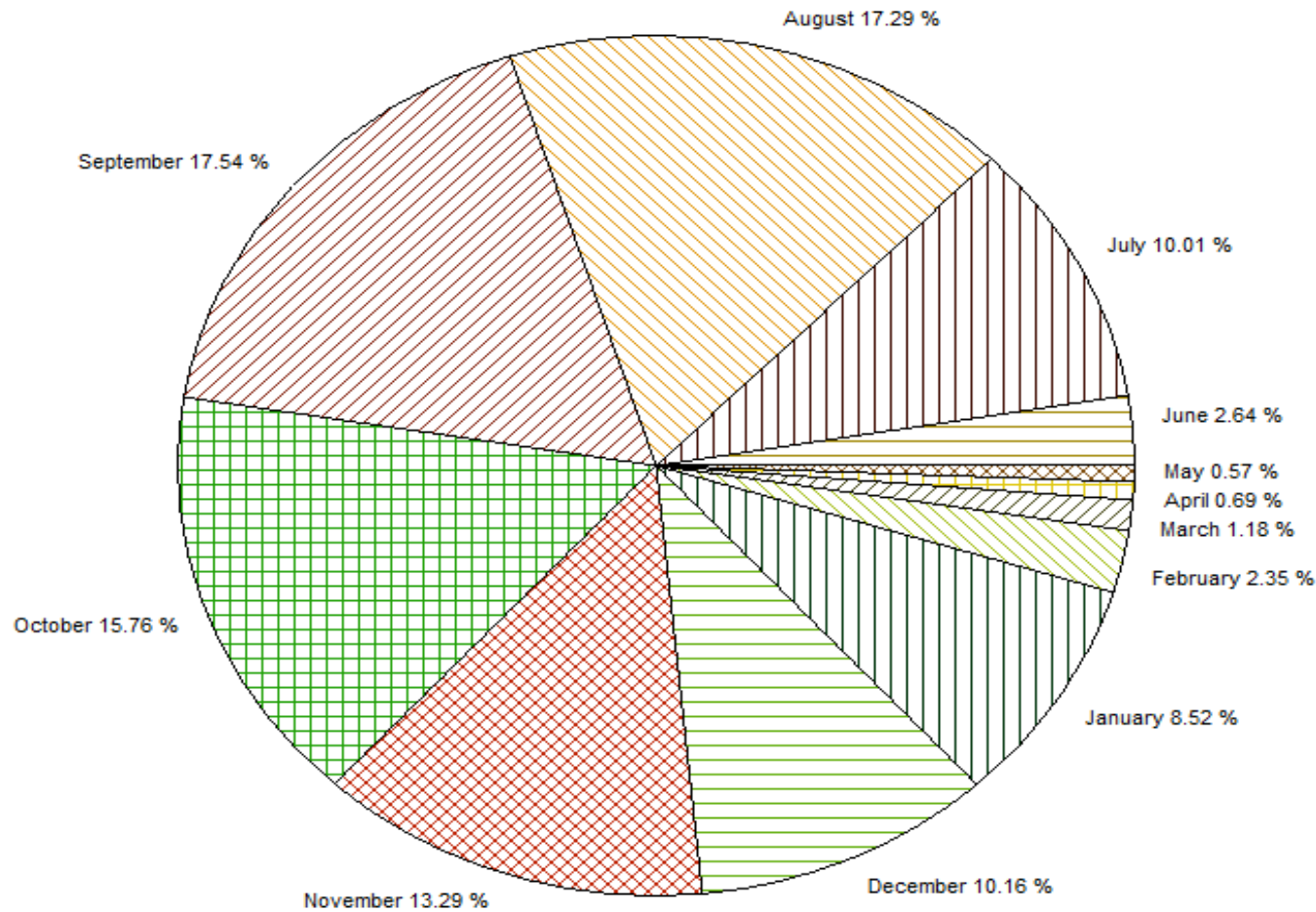
Monthly Average Runoff based on period : 1973-2018

Station Name : Musiri (CC000G4)

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi



June	2.64 %
July	10.01 %
August	17.29 %
September	17.54 %
October	15.76 %
November	13.29 %
December	10.16 %
January	8.52 %
February	2.35 %
March	1.18 %
April	0.69 %
May	0.57 %

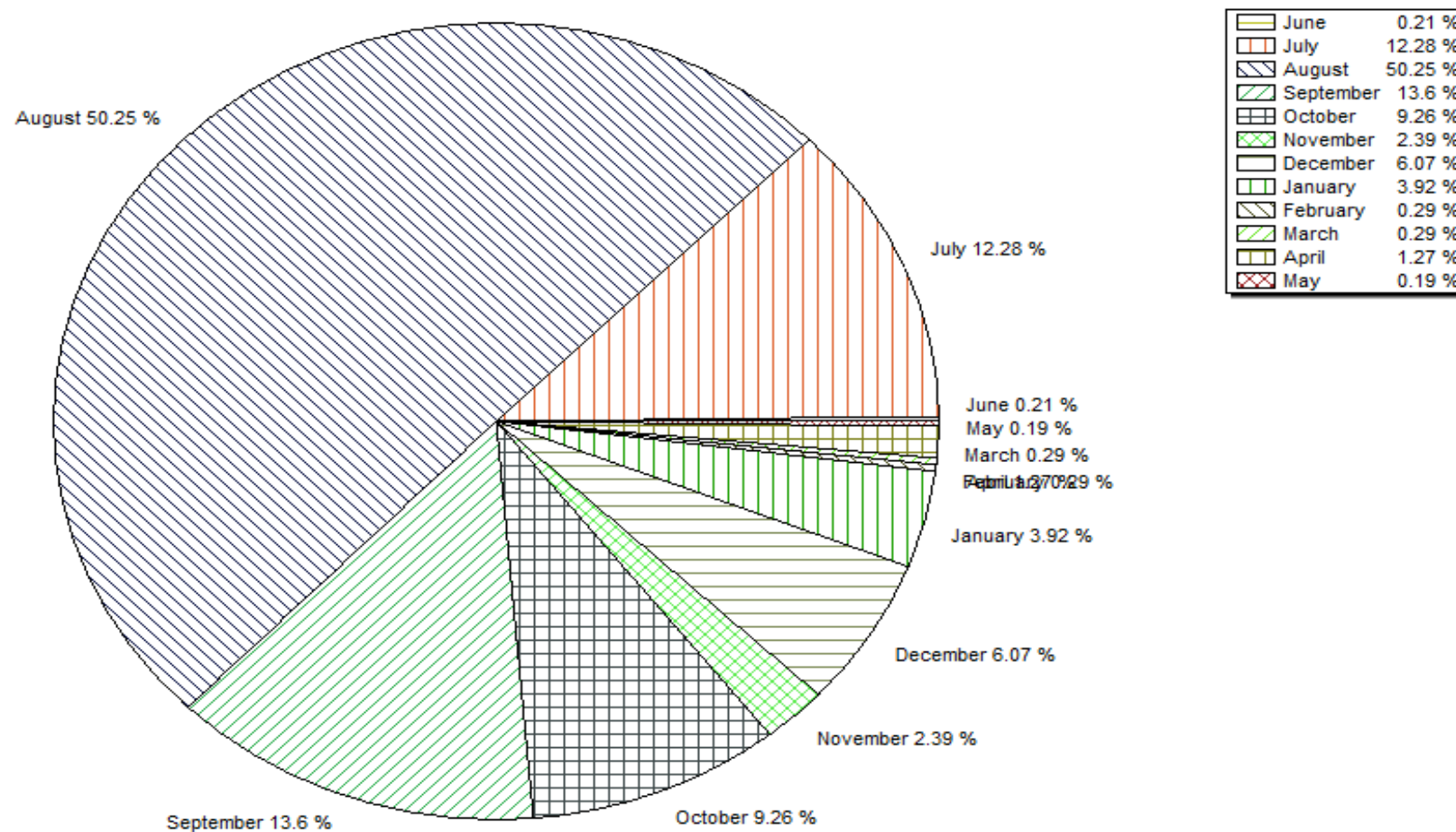
Monthly Runoff for the Year : 2018-2019

Station Name : Musiri (CC000G4)

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi

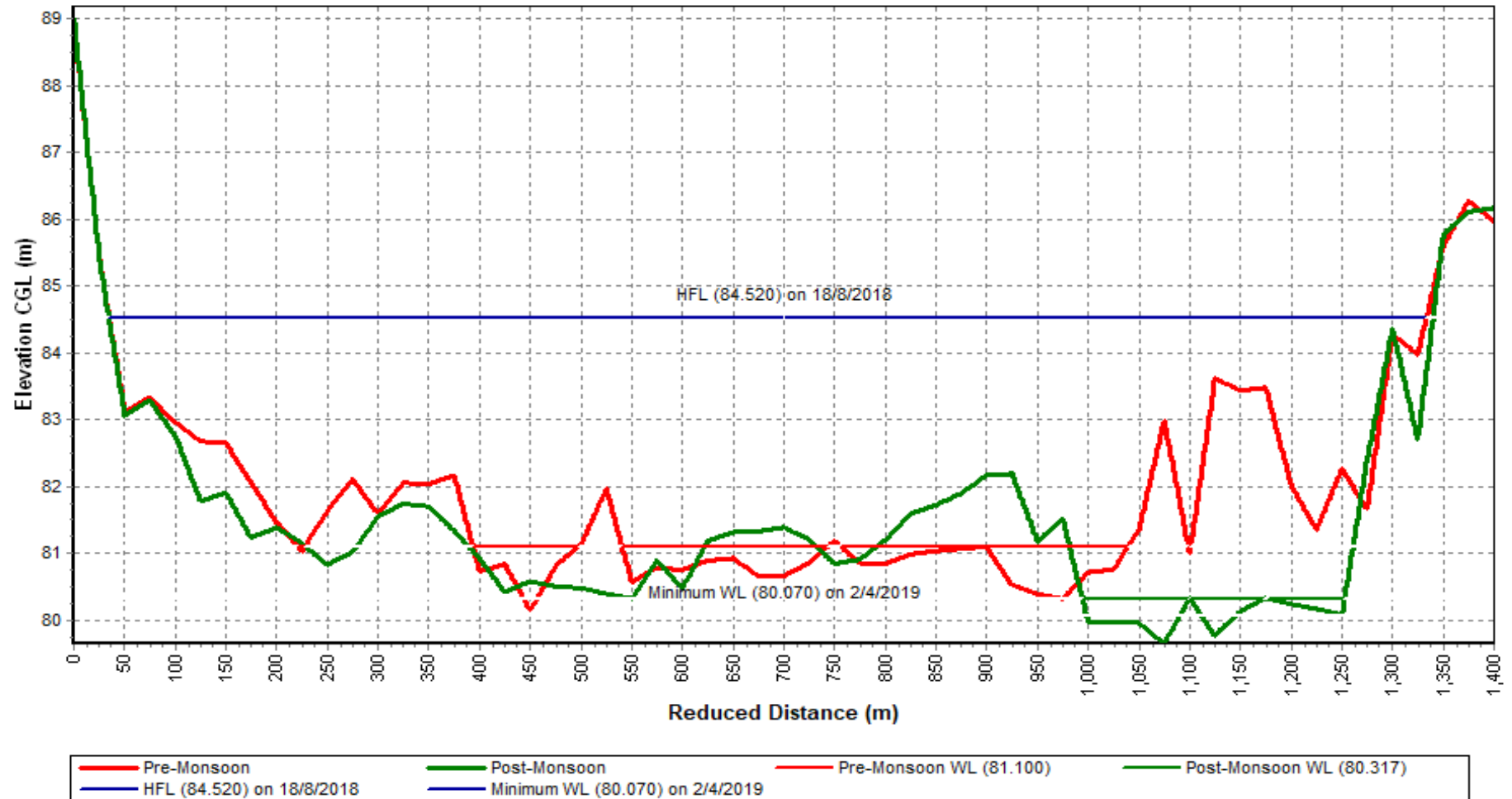


Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : Musiri (CC000G4)
Local River : Cauvery

Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichi

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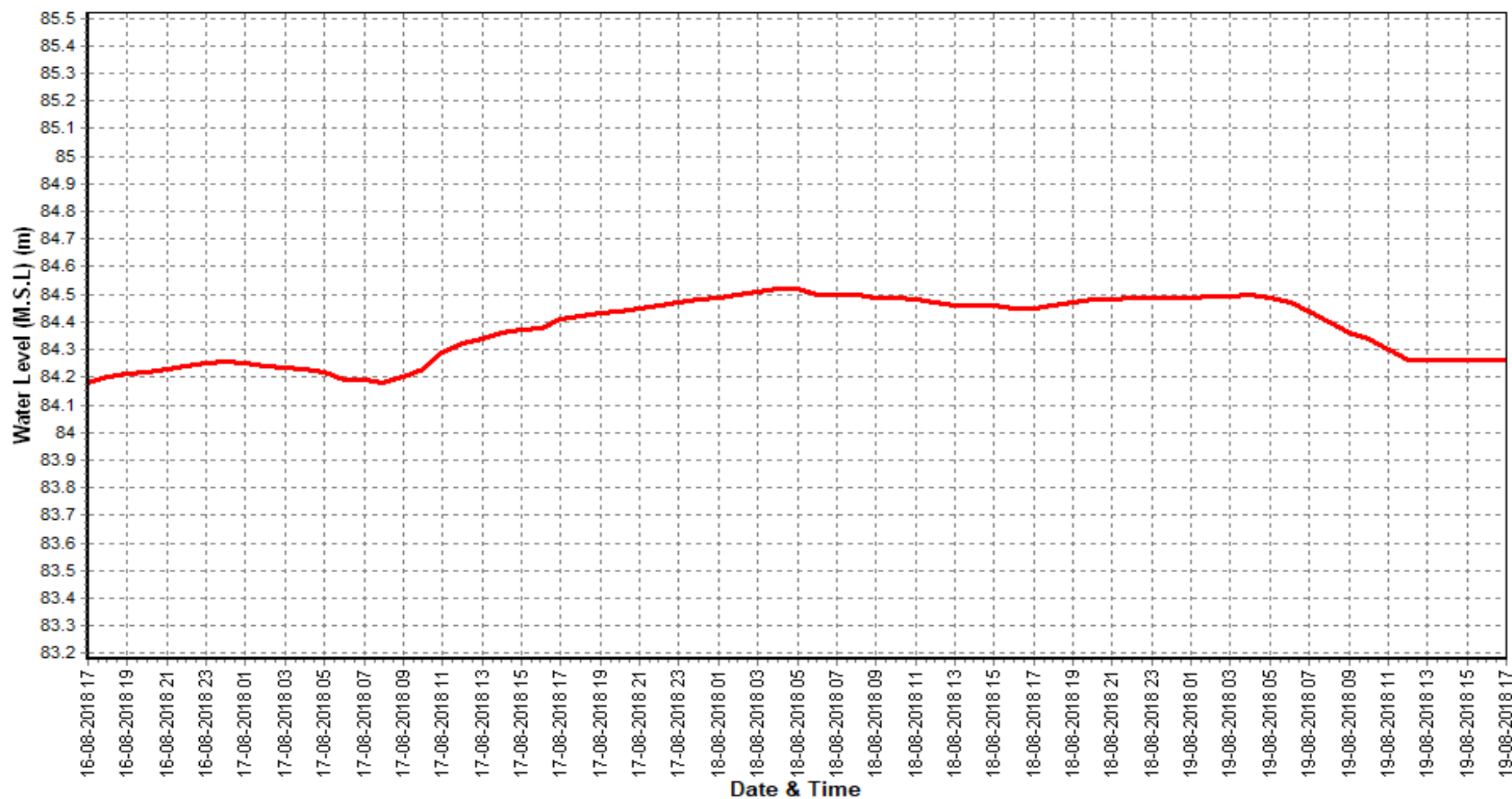
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : Musiri (CC000G4)

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi



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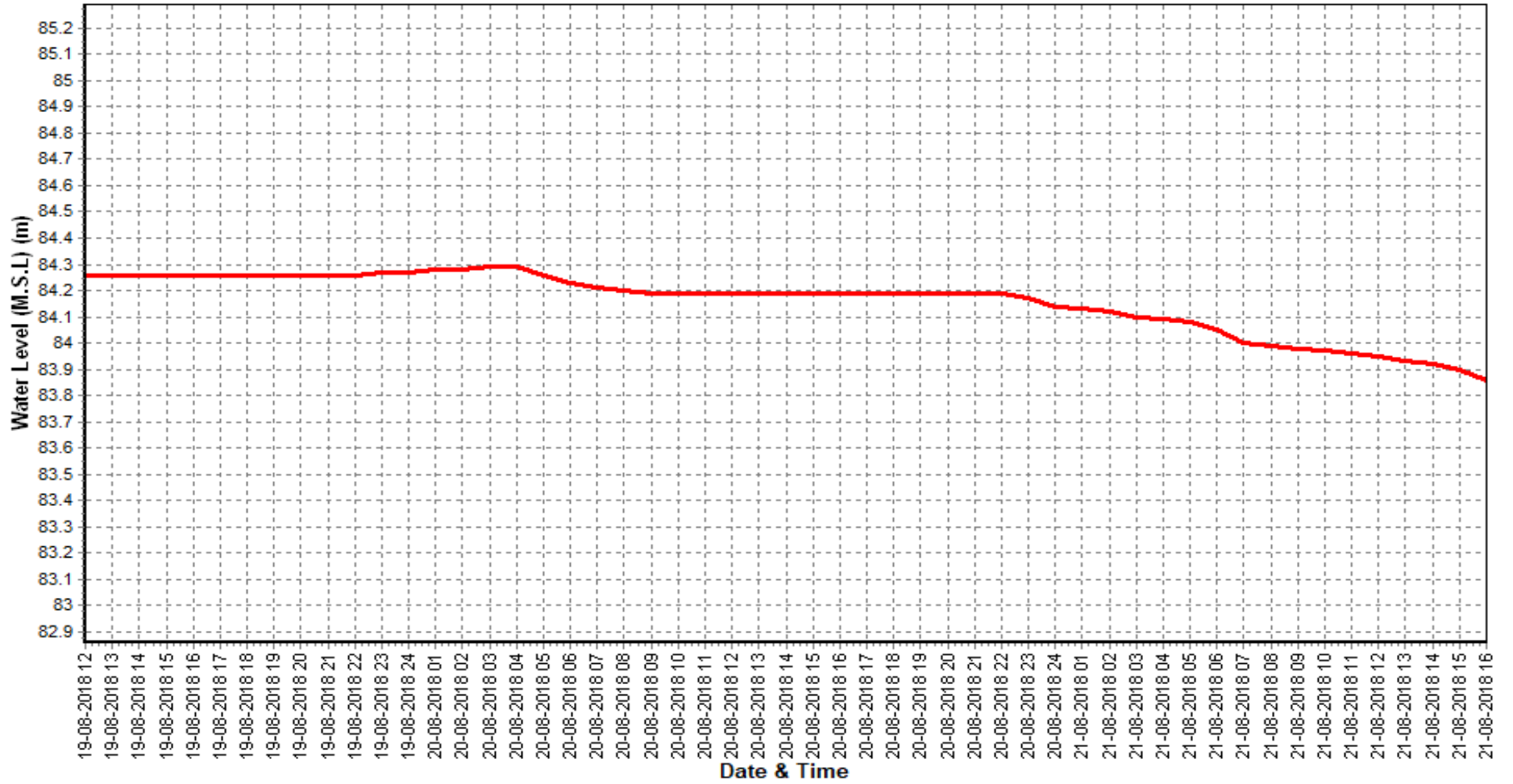
Time Span: 72 Hrs

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : Musiri (CC000G4)
Local River : Cauvery

Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichi

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Time Span: 72 Hrs

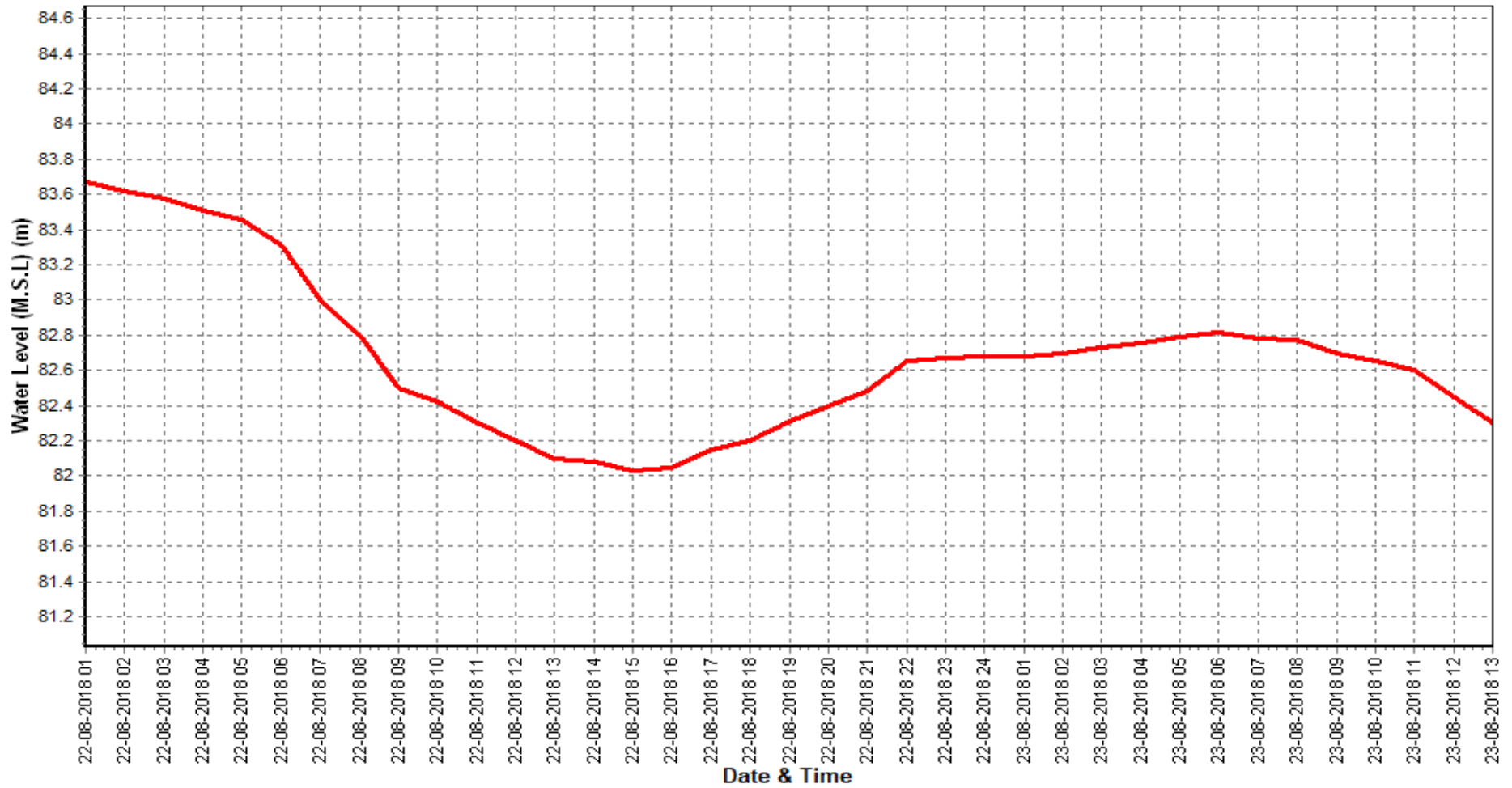
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : Musiri (CC000G4)

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi



Time Span: 72 Hrs

HISTORY SHEET

		Water Year	: 2018-2019
Site	: Lakshmananpatti	Code	: LAKSHMN
State	: Tamil Nadu	District	Dindigul
Basin	: Cauvery	Independent River	: Cauvery
Tributary	: Amaravathi	Sub Tributary	: -
Sub-Sub Tributary	: -	Local River	: Amaravathi
Division	: SR Division, Coimbatore	Sub-Division	: Vaigai SD, Madurai
Drainage Area	: 1331 Sq. Km.	Bank	:
Latitude	: 10°29'53"	Longitude	: 77°56'45"
Zero of Gauge (m)	: 210.000(Arb)	19-11-2016	
	Opening Date	Closing Date	
Gauge	: 19-11-2016		
Discharge	: 01-02-2019		
Sediment	:		
Water Quality	:		

Stage-Discharge Data for the period 2018 - 2019

Station Name : Lakshmananpatti (LAKSHMN)

Division : SR Division, Coimbatore

Local River : Amaravathi

Sub-Division : Vaigai SD, Madurai

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
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26												
27												
28												
29												
30												
31												
<u>Ten-Daily Mean</u>												
I Ten-Daily												
II Ten-Daily												
III Ten-Daily												
<u>Monthly</u>												
Min.												
Max.												
Mean												

Annual Runoff in MCM = 0 Annual Runoff in mm = 0

Peak Observed Discharge = 0.000 cumecs on 01-02-2019

Lowest Observed Discharge = 0.000 cumecs on 01-02-2019

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Lakshmananpatti (LAKSHMN)

Division : SR Division, Coimbatore

Local River : Amaravathi

Sub-Division : Vaigai SD, Madurai

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1					0.000		0.000		0.000		0.000	
2					0.000		0.000		0.000		0.000	
3					0.000		0.000		0.000		0.000	
4					0.000		0.000		0.000		0.000	
5					0.000		0.000		0.000		0.000	
6					0.000		0.000		0.000		0.000	
7					0.000		0.000		0.000		0.000	
8					0.000		0.000		0.000		0.000	
9					0.000		0.000		0.000		0.000	
10					0.000		0.000		0.000		0.000	
11					0.000		0.000		0.000		0.000	
12					0.000		0.000		0.000		0.000	
13					0.000		0.000		0.000		0.000	
14					0.000		0.000		0.000		0.000	
15					0.000		0.000		0.000		0.000	
16					0.000		0.000		0.000		0.000	
17					0.000		0.000		0.000		0.000	
18					0.000		0.000		0.000		0.000	
19					0.000		0.000		0.000		0.000	
20					0.000		0.000		0.000		0.000	
21					0.000		0.000		0.000		0.000	
22					0.000		0.000		0.000		0.000	
23					0.000		0.000		0.000		0.000	
24					0.000		0.000		0.000		0.000	
25					0.000		0.000		0.000		0.000	
26					0.000		0.000		0.000		0.000	
27					0.000		0.000		0.000		0.000	
28					0.000		0.000		0.000		0.000	
29							0.000		0.000		0.000	
30							0.000		0.000		0.000	
31							0.000				0.000	
<u>Ten-Daily Mean</u>												
I Ten-Daily					0.000		0.000		0.000		0.000	
II Ten-Daily					0.000		0.000		0.000		0.000	
III Ten-Daily					0.000		0.000		0.000		0.000	
<u>Monthly</u>												
Min.					0.000		0.000		0.000		0.000	
Max.					0.000		0.000		0.000		0.000	
Mean					0		0		0		0	

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

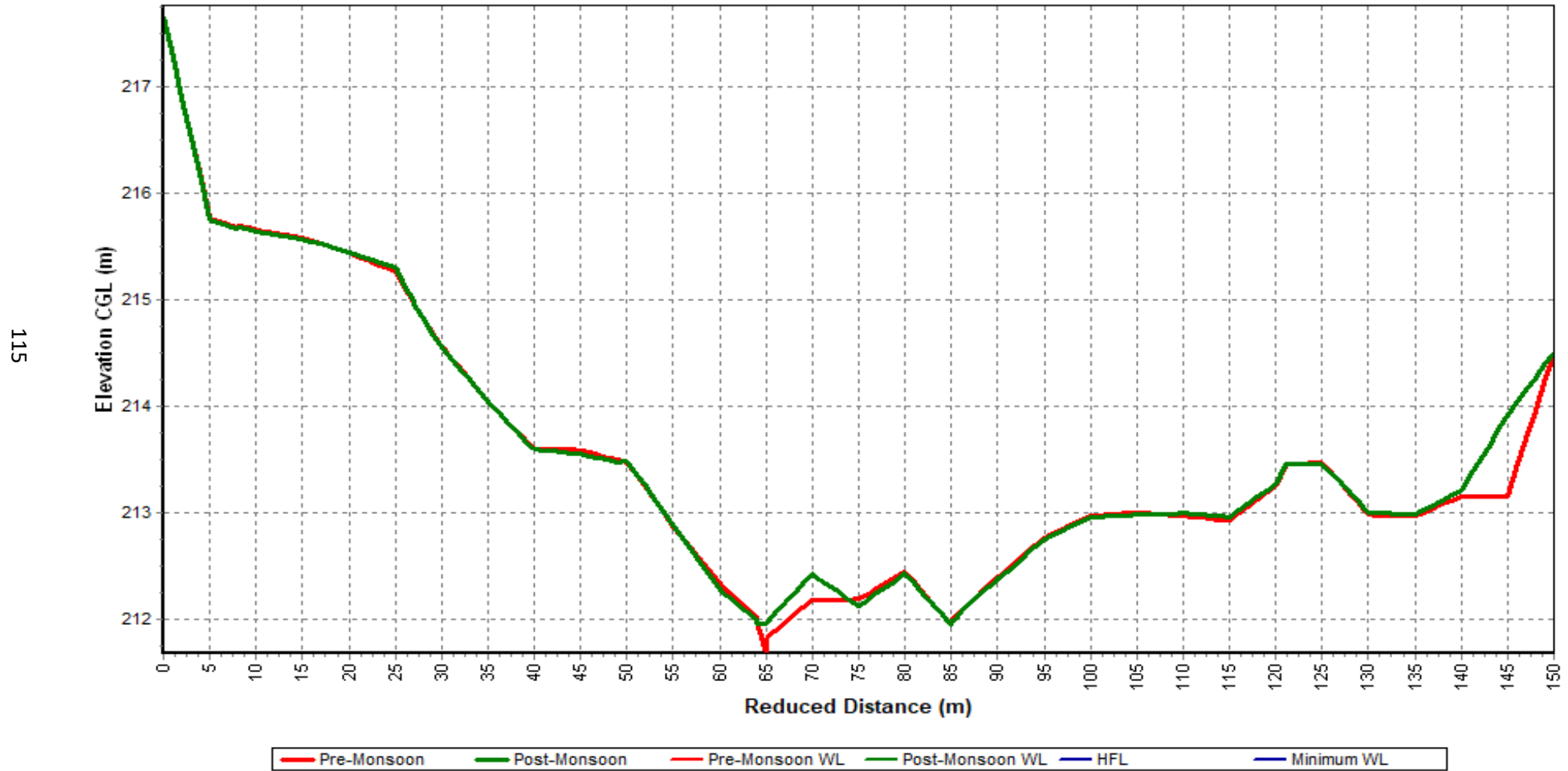
*:Computed Discharge

Note:Missing values ignored while arriving at Annual Runoff

Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : Lakshmananpatti (LAKSHMN)
Local River : Amaravathi

Division : SR Division, Coimbatore
Sub-Division : Vaigai SD, Madurai



HISTORY SHEET

Water Year : 2018-2019

Site : NALLAMARANPATTY

Code : CCD00D5

State : Tamil Nadu

District : Karur

Basin : Cauvery

Independent River : Cauvery

Tributary : Amaravathi

Sub Tributary :

Sub-Sub Tributary :

Local River : Amaravathi

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi

Drainage Area : 9080 Sq. Km.

Bank : Right

Latitude : 10°52'51"

Longitude : 77°59'05"

Zero of Gauge (m) : 129.000 (m.s.l)
126 .000 (m.s.l)7/12/1977 5/31/2010
6/1/2010

Opening Date

Closing Date

Gauge : 7/12/1977

Discharge : 1/23/1978

Sediment : 12/10/1978

Water Quality : 8/16/1978

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1978-1979	570.0	132.400	12/27/1978	0.000	Dry Bed	6/21/1978
1979-1980	3487	134.850	11/19/1979	0.000	Dry Bed	6/26/1979
1980-1981	217.2	130.680	11/18/1980	0.000	Dry Bed	9/2/1980
1981-1982	134.2	130.405	11/10/1981	0.000	Dry Bed	6/1/1981
1982-1983	45.40	129.900	11/12/1982	0.000	Dry Bed	6/1/1982
1983-1984	244.9	130.930	12/24/1983	0.000	Dry Bed	6/3/1983
1984-1985	148.1	130.490	10/27/1984	0.000	Dry Bed	6/13/1984
1985-1986	56.00	129.997	9/28/1985	0.000	Dry Bed	6/1/1985
1986-1987	152.1	130.540	8/12/1986	0.000	Dry Bed	6/1/1986
1987-1988	232.6	130.860	12/11/1987	0.000	Dry Bed	6/1/1987
1988-1989	45.10	129.980	10/11/1988	0.000	Dry Bed	6/1/1988
1989-1990	571.9	131.710	1/9/1990	0.000	Dry Bed	6/1/1989
1990-1991	113.4	130.400	11/5/1990	0.000	Dry Bed	6/1/1990
1991-1992	45.10	129.911	10/2/1991	0.000	Dry Bed	6/1/1991
1992-1993	747.7	131.895	11/15/1992	0.000	Dry Bed	6/1/1992
1993-1994	5571	134.625	11/10/1993	0.000	Dry Bed	6/1/1993
1994-1995	442.1	131.080	11/7/1994	0.000	Dry Bed	6/1/1994
1995-1996	50.28	129.780	9/6/1995	0.000	Dry Bed	6/5/1995
1996-1997	994.7	132.240	12/16/1996	0.000	Dry Bed	6/1/1996
1997-1998	1118	132.600	11/9/1997	0.000	Dry Bed	6/1/1997
1998-1999	955.0	132.350	12/12/1998	0.000	Dry Bed	6/1/1998

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1999-2000	356.0	131.065	11/23/1999	0.000	Dry Bed	6/2/1999
2000-2001	139.9	130.240	12/30/2000	0.000	Dry Bed	6/1/2000
2001-2002	40.28	129.605	11/8/2001	0.000	Dry Bed	6/1/2001
2002-2003	61.16	129.510	11/2/2002	0.000	Dry Bed	6/1/2002
2003-2004	37.26	129.400	7/25/2003	0.000	Dry Bed	6/1/2003
2004-2005	154.1	129.960	11/14/2004	0.000	Dry Bed	6/1/2004
2005-2006	2988	134.000	11/24/2005	0.000	Dry Bed	6/1/2005
2006-2007	69.53	129.300	7/23/2006	0.000	Dry Bed	6/1/2006
2007-2008	1355	132.550	12/20/2007	0.000	Dry Bed	6/1/2007
2008-2009	228.2	129.975	10/23/2008	0.000	Dry Bed	6/18/2008
2009-2010	201.7	129.725	11/9/2009	0.000	Dry Bed	6/1/2009
2010-2011	212.4	130.300	12/4/2010	0.000	Dry Bed	6/1/2010
2011-2012	307.6	130.430	11/27/2011	0.000	Dry Bed	6/1/2011
2012-2013	21.03	128.880	9/20/2012	0.000	Dry Bed	6/1/2012
2013-2014	43.82	129.120	10/20/2013	0.000	Dry Bed	6/1/2013
2014-2015	394.0	130.680	10/29/2014	0.000	Dry Bed	6/1/2014
2015-2016	672.0	130.790	12/7/2015	0.000	Dry Bed	6/1/2015
2016-2017	57.48	129.200	7/9/2016	0.000	Dry Bed	12/14/2016
2017-2018	31.13	128.860	12/3/2017	0.000	Dry Bed	6/1/2017

Stage-Discharge Data for the period 2018 - 2019

Station Name : Nallamaranpatty (CCD00D5)

Division : SR Division, Coimbatore

Local River : Amaravathy

Sub-Division : Lower Cauvery SD, Trichi

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1		0.000		0.000		0.000	128.010	0.000	128.520	13.05	128.170	0.000
2		0.000		0.000		0.000	128.000	0.000	128.470	10.85 *	128.560	18.41
3		0.000		0.000		0.000	127.970	0.000	128.460	10.80	128.930	45.75 #
4		0.000		0.000		0.000	127.930	0.000	128.455	10.43	128.700	25.66 *
5		0.000		0.000		0.000	127.850	0.000	128.255	2.087	128.480	11.40
6		0.000		0.000		0.000	127.760	0.000	128.230	1.306	128.410	7.913 *
7		0.000		0.000		0.000	127.610	0.000	128.570	16.61 *	128.230	1.684
8		0.000		0.000		0.000		0.000	128.460	10.33	128.140	0.000
9		0.000		0.000		0.000		0.000	128.400	7.360	128.100	0.000
10		0.000		0.000		0.000		0.000	128.390	7.462	128.070	0.000
11		0.000		0.000		0.000		0.000	128.425	9.342	128.040	0.000
12		0.000		0.000		0.000		0.000	128.250	2.095	128.030	0.000
13		0.000		0.000		0.000		0.000	128.160	0.000	128.050	0.000
14		0.000		0.000	128.310	3.856		0.000	128.110	0.000	128.050	0.000
15		0.000		0.000	129.400	196.7 *		0.000	128.100	0.000	128.050	0.000
16		0.000		0.000	129.700	282.7		0.000	128.090	0.000	128.080	0.000
17		0.000		0.000	130.860	660.1		0.000	128.455	9.552	128.670	20.28
18	128.780	28.84		0.000	129.850	324.1		0.000	128.570	16.61 *	129.050	58.20 *
19	128.420	4.712	129.190	96.28	129.530	234.5 *		0.000	128.480	11.37 *	128.520	13.82
20	128.210	1.022	129.060	61.48	129.450	225.3		0.000	128.480	11.33	128.290	3.332
21	128.200	0.811	128.480	8.126 #	128.780	28.41		0.000	128.470	10.85 *	128.390	7.026 *
22	128.190	0.566	128.700	19.66	128.550	15.37 *		0.000	128.700	24.66	128.630	21.68
23	128.170	0.000	128.270	1.300	128.295	3.655		0.000	128.780	28.42	128.570	16.61 *
24	128.140	0.000	128.130	0.000	128.270	2.578		0.000	128.410	7.563	128.560	17.46
25	128.090	0.000	128.090	0.000	128.160	0.000	128.710	24.53	128.300	4.188	128.550	15.37 *
26	128.000	0.000	128.040	0.000	128.090	0.000	128.405	7.666	128.150	0.000	128.620	19.73
27	127.950	0.000	127.990	0.000	128.050	0.000	128.470	11.10	128.030	0.000	128.570	17.11
28	127.840	0.000	127.770	0.000	128.040	0.000	128.490	12.15	128.070	0.000	128.350	6.019
29	127.760	0.000	127.660	0.000	128.010	0.000	128.500	13.17	128.070	0.000	128.255	2.460
30		0.000	127.560	0.000	128.000	0.000	128.570	16.61 *	128.090	0.000	128.550	16.55
31				0.000	128.020	0.000			128.110	0.000		
Ten-Daily Mean												
I Ten-Daily		0.000		0.000		0.000	127.876	0.000	128.421	9.028	128.379	11.08
II Ten-Daily	128.470	3.457	129.125	15.78	129.586	192.7		0.000	128.312	6.030	128.283	9.563
III Ten-Daily	128.038	0.138	128.069	2.644	128.206	4.547	128.524	8.523	128.289	6.880	128.505	14.00
Monthly												
Min.	127.760	0.000	127.560	0.000	128.000	0.000	127.610	0.000	128.030	0.000	128.030	0.000
Max.	128.780	28.84	129.190	96.28	130.860	660.1	128.710	24.53	128.780	28.42	129.050	58.20
Mean	128.146	1.198	128.245	6.027	128.743	63.78	128.175	2.841	128.339	7.299	128.389	11.55

Annual Runoff in MCM = 263 Annual Runoff in mm = 29

Peak Observed Discharge = 660.1 cumecs on 17-08-2018 Corres. Water Level :130.86 m

Lowest Observed Discharge = 0.000 cumecs on 01-06-2018

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Nallamaranpatty (CCD00D5)

Division : SR Division, Coimbatore

Local River : Amaravathy

Sub-Division : Lower Cauvery SD, Trichi

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	128.810	34.02	128.100	0.000	128.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2	128.700	24.36 *	128.060	0.000	128.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000
3	128.605	18.58	128.050	0.000	128.050	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4	128.520	13.81	128.030	0.000	128.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000
5	128.550	16.73	128.030	0.000	128.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000
6	128.520	14.12	128.020	0.000	128.010	0.000	0.000	0.000	0.000	0.000	0.000	0.000
7	128.780	28.17	127.980	0.000	128.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
8	128.480	11.60	128.020	0.000	127.980	0.000	0.000	0.000	0.000	0.000	0.000	0.000
9	128.310	4.286 *	128.090	0.000	127.950	0.000	0.000	0.000	0.000	0.000	0.000	0.000
10	128.160	0.000	128.150	0.000	127.900	0.000	0.000	0.000	0.000	0.000	0.000	0.000
11	128.175	0.738	128.320	4.121	127.850	0.000	0.000	0.000	0.000	0.000	0.000	0.000
12	128.130	0.000	128.280	3.035	127.720	0.000	0.000	0.000	0.000	0.000	0.000	0.000
13	128.130	0.000	128.150	0.000	127.640	0.000	0.000	0.000	0.000	0.000	0.000	0.000
14	128.110	0.000	128.140	0.000	127.580	0.000	0.000	0.000	0.000	0.000	0.000	0.000
15	128.090	0.000	128.120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
16	128.080	0.000	128.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
17	128.070	0.000	128.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
18	128.060	0.000	128.080	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
19	128.050	0.000	128.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
20	128.350	5.773	128.120	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
21	128.200	1.493	128.100	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
22	128.150	0.000	128.080	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
23	128.160	0.000	128.060	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
24	128.320	4.058	128.040	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
25	128.170	0.658 *	128.030	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
26	128.270	2.875	128.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
27	128.160	0.000	128.020	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
28	128.130	0.000	128.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
29	128.120	0.000	128.150	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
30	128.110	0.000	128.160	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
31	128.110	0.000	128.110	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ten-Daily Mean												
I Ten-Daily	128.543	16.57	128.053	0.000	128.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000
II Ten-Daily	128.124	0.651	128.144	0.716	127.698	0.000	0.000	0.000	0.000	0.000	0.000	0.000
III Ten-Daily	128.173	0.826	128.076	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Monthly												
Min.	128.050	0.000	127.980	0.000	127.580	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Max.	128.810	34.02	128.320	4.121	128.070	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Mean	128.277	5.847	128.091	0.231	127.918	0	0	0	0	0	0	0

Peak Computed Discharge = 234.5 cumecs on 19-08-2018

Corres. Water Level :129.53 m

Lowest Computed Discharge = 0.658 cumecs on 25-12-2018

Corres. Water Level :128.17 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

Station Name : Nallamaranpatty (CCD00D5)

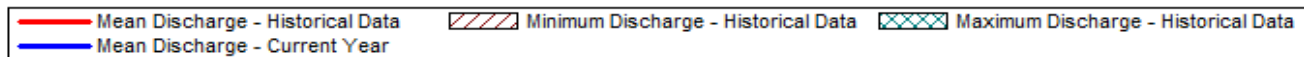
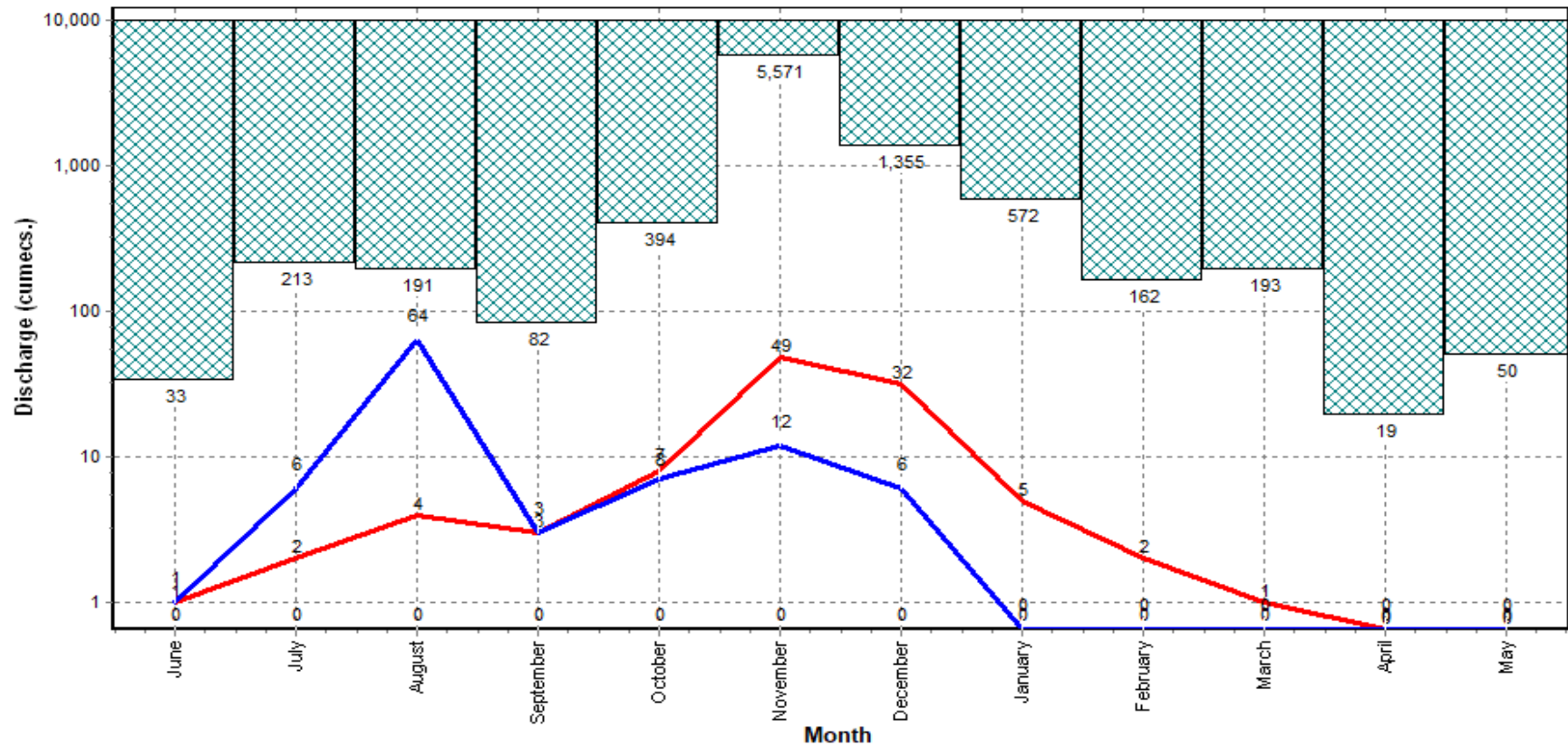
Data considered : 1978-2019

Division : SR Division, Coimbatore

Local River : Amaravathy

Sub-Division : Lower Cauvery SD, Trichi

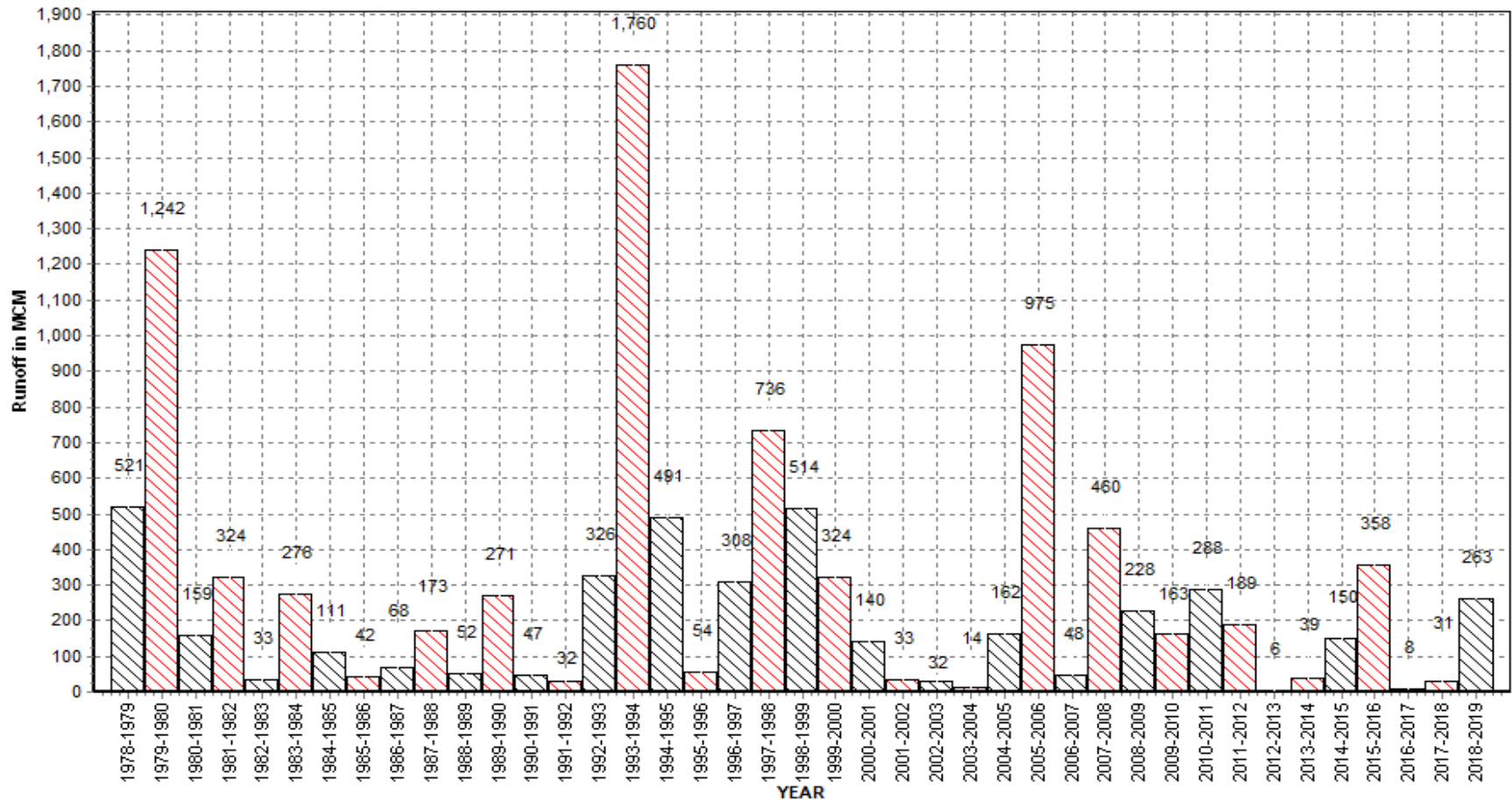
120



Annual Runoff Values for the period: 1978 - 2019

Station Name : Nallamaranpatty (CCD00D5)
Local River : Amaravathy

Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichi

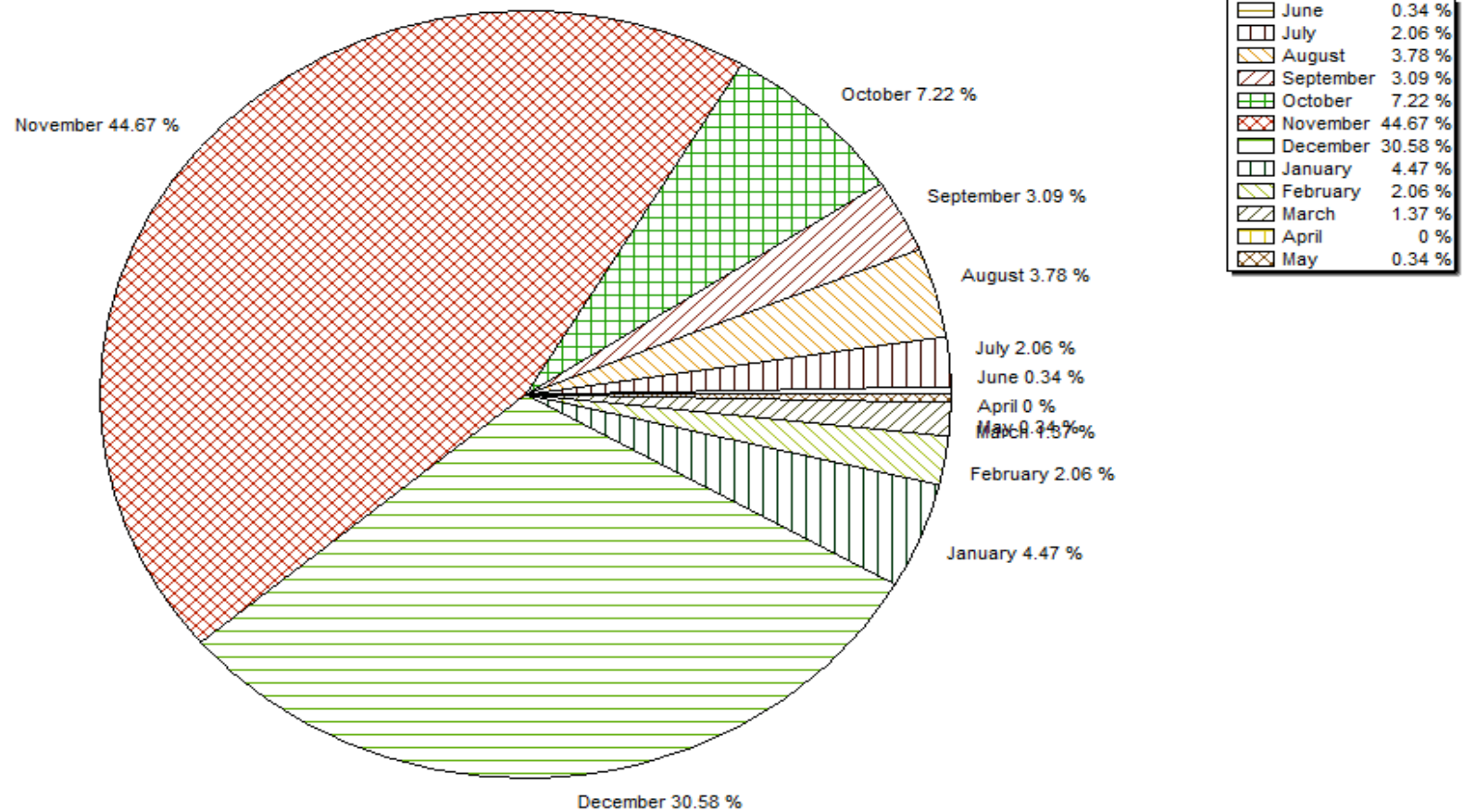


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Nallamaranpatty (CCD00D5)
Local River : Amaravathy

Monthly Average Runoff based on period : 1978-2018

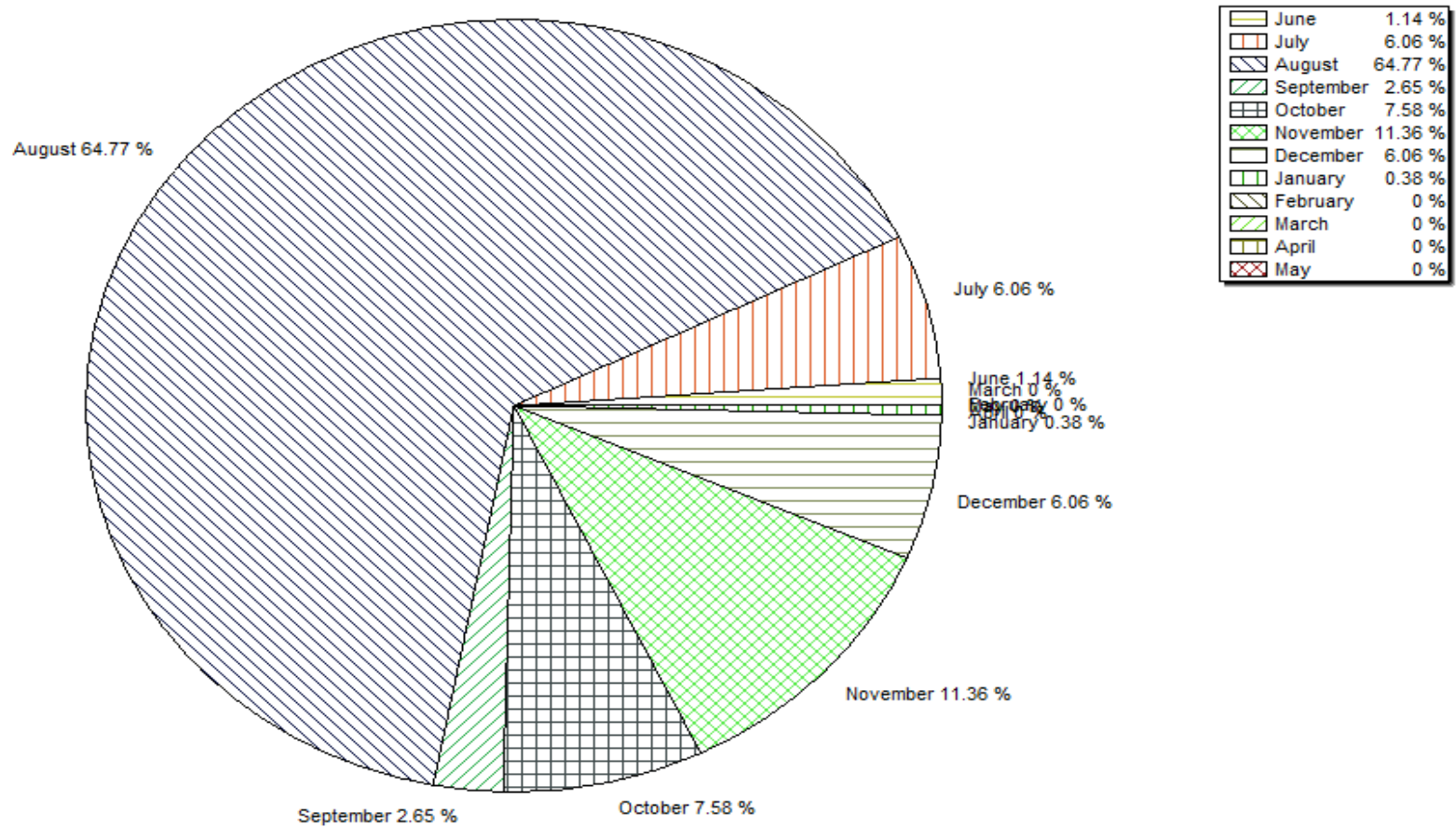
Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichi



Station Name : Nallamaranpatty (CCD00D5)
Local River : Amaravathy

Monthly Runoff for the Year : 2018-2019

Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichi

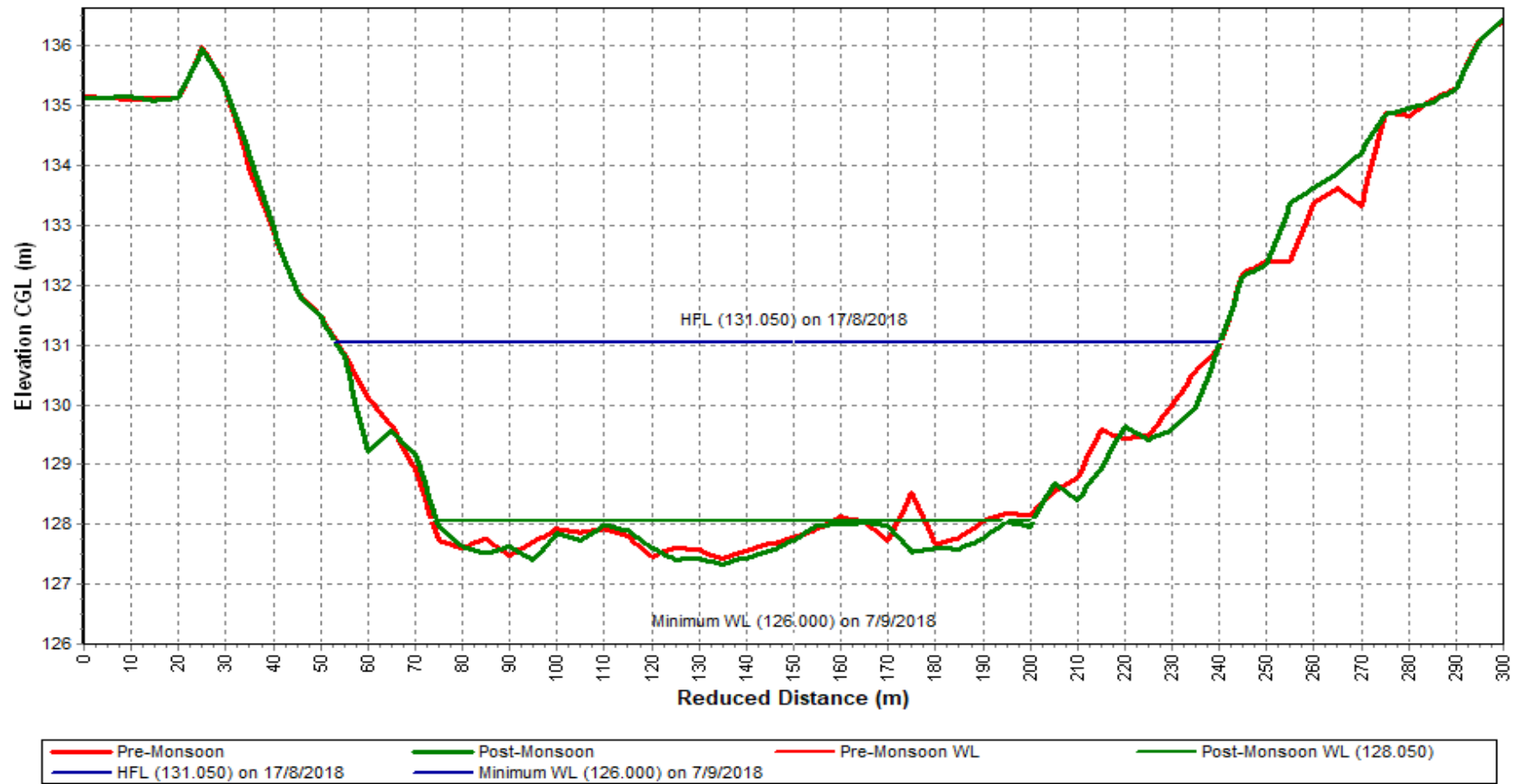


Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : Nallamaranpatty (CCD00D5)
Local River : Amaravathy

Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichi

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Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

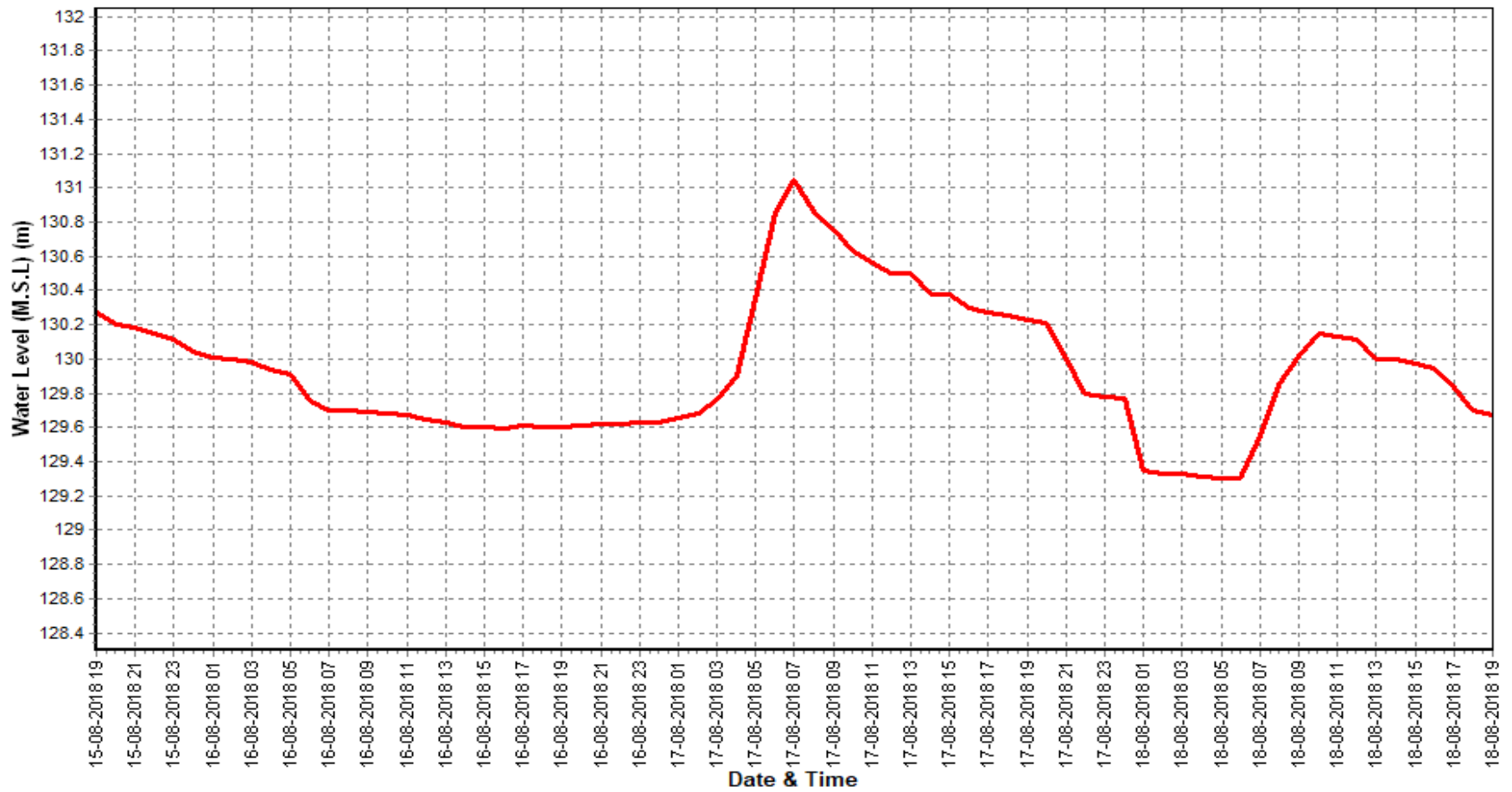
Station Name : Nallamaranpatty (CCD00D5)

Local River : Amaravathy

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi

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Time Span: 72 Hrs

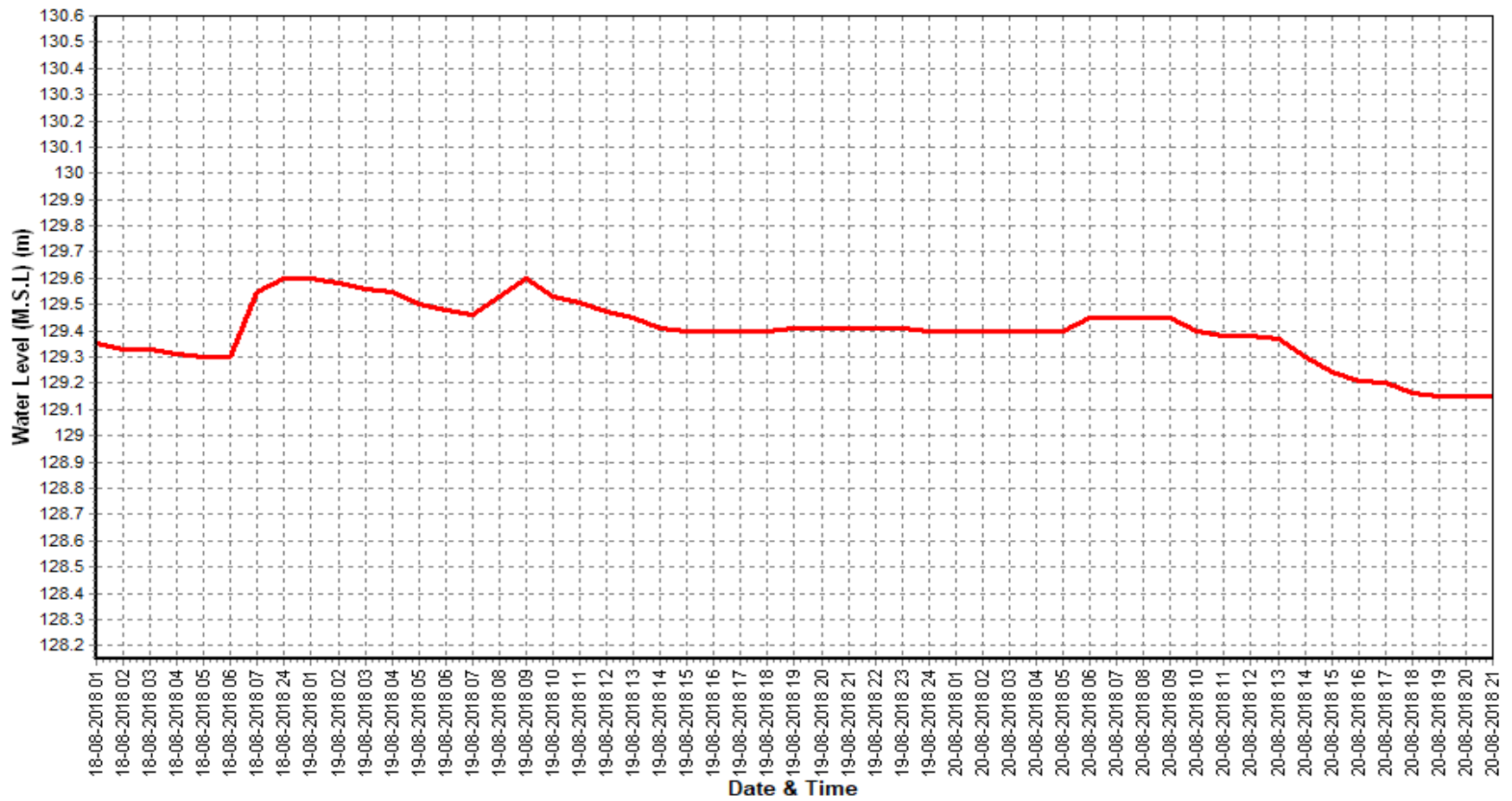
Water Level vs.Time-Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name: Nallamaranpatty (CCD00D5)

Local River : Amaravathy

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi



Time Span: 72 Hrs

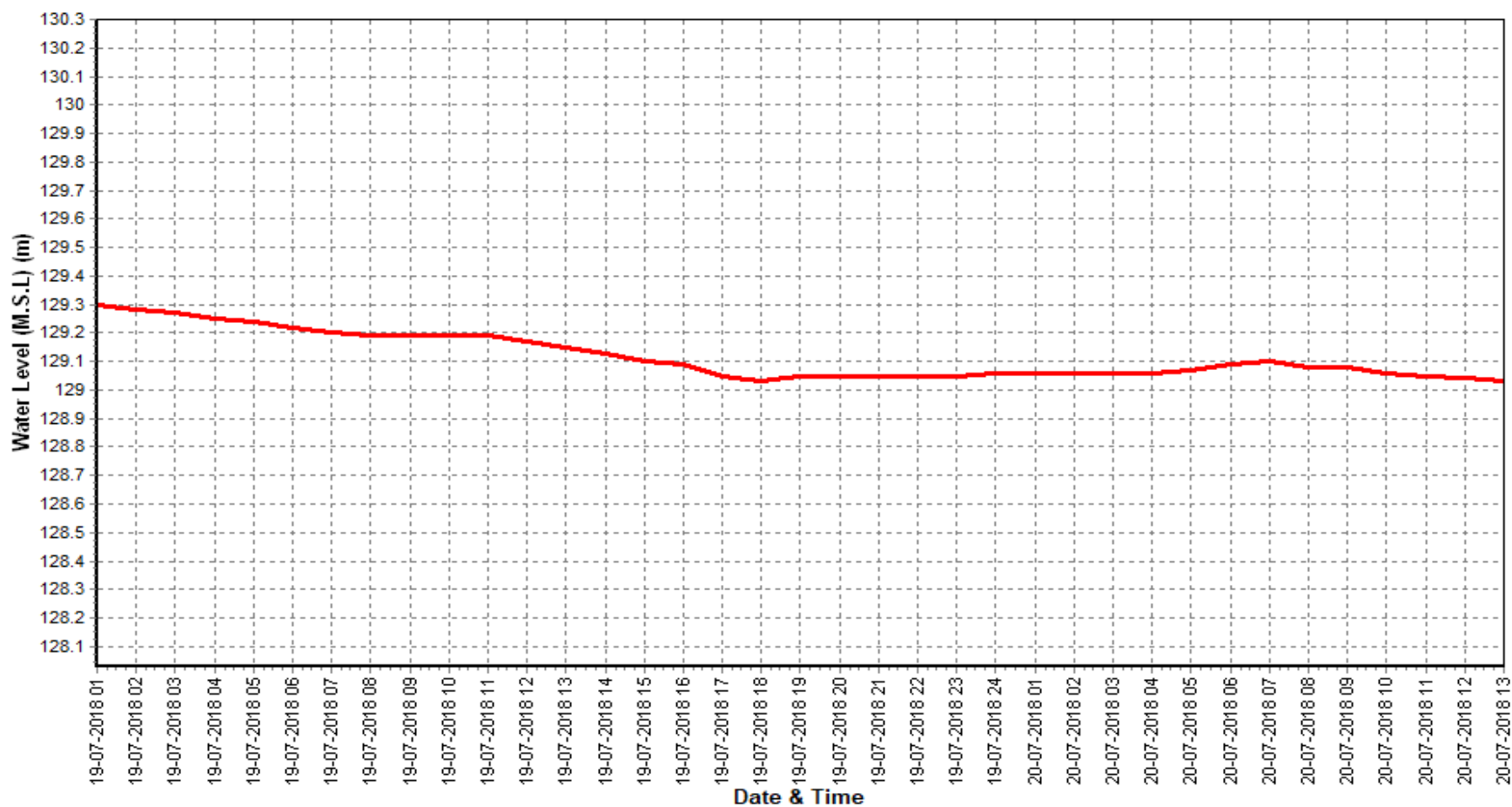
Water Level vs.Time -Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : Nallamaranpatty (CCD00D5)

Local River : Amaravathy

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi



Time Span: 72 Hrs

HISTORY SHEET

		Water Year	: 2018-2019
Site	: Balasamudram	Code	: BALASAM
State	: Tamil Nadu	District	Dindigul
Basin	: Cauvery	Independent River	: Cauvery
Tributary	: Varathamanadhi	Sub Tributary	: -
Sub-Sub Tributary	: -	Local River	: Varathamanadhi
Division	: SR Division, Coimbatore	Sub-Division	: Vaigai SD, Madurai
Drainage Area	: 344 Sq. Km.	Bank	:
Latitude	: 10°25'32"	Longitude	: 77°32'22"
Zero of Gauge (m)	: 242.000(Arb)	26-12-2016	
	Opening Date	Closing Date	
Gauge	: 26-12-2016		
Discharge	: 01-01-2019		
Sediment	:		
Water Quality	:		

Stage-Discharge Data for the period 2018 - 2019

Station Name : Balasamudram (BALASAM)

Division : SR Division, Coimbatore

Local River : Varathamanadhi

Sub-Division : Vaigai SD, Madurai

Day	Jun	Jul	Aug	Sep	Oct	Nov
	W.L Q	W.L Q	W.L Q	W.L Q	W.L Q	W.L Q
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
<u>Ten-Daily Mean</u>						
I Ten-Daily						
II Ten-Daily						
III Ten-Daily						
<u>Monthly</u>						
Min.						
Max.						
Mean						

Annual Runoff in MCM = 0 Annual Runoff in mm = 0

Peak Observed Discharge = 0.000 cumecs on 01-01-2019

Lowest Observed Discharge = 0.000 cumecs on 01-01-2019

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Balasamudram (BALASAM)

Division : SR Division, Coimbatore

Local River : Varathamnadhi

Sub-Division : Vaigai SD, Madurai

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1				0.000		0.000		0.000		0.000		0.000
2				0.000		0.000		0.000		0.000		0.000
3				0.000		0.000		0.000		0.000		0.000
4				0.000		0.000		0.000		0.000		0.000
5				0.000		0.000		0.000		0.000		0.000
6				0.000		0.000		0.000		0.000		0.000
7				0.000		0.000		0.000		0.000		0.000
8				0.000		0.000		0.000		0.000		0.000
9				0.000		0.000		0.000		0.000		0.000
10				0.000		0.000		0.000		0.000		0.000
11				0.000		0.000		0.000		0.000		0.000
12				0.000		0.000		0.000		0.000		0.000
13				0.000		0.000		0.000		0.000		0.000
14				0.000		0.000		0.000		0.000		0.000
15				0.000		0.000		0.000		0.000		0.000
16				0.000		0.000		0.000		0.000		0.000
17				0.000		0.000		0.000		0.000		0.000
18				0.000		0.000		0.000		0.000		0.000
19				0.000		0.000		0.000		0.000		0.000
20				0.000		0.000		0.000		0.000		0.000
21				0.000		0.000		0.000		0.000		0.000
22				0.000		0.000		0.000		0.000		0.000
23				0.000		0.000		0.000		0.000		0.000
24				0.000		0.000		0.000		0.000		0.000
25				0.000		0.000		0.000		0.000		0.000
26				0.000		0.000		0.000		0.000		0.000
27				0.000		0.000		0.000		0.000		0.000
28				0.000		0.000		0.000		0.000		0.000
29				0.000				0.000		0.000		0.000
30				0.000				0.000		0.000		0.000
31				0.000				0.000				0.000
Ten-Daily Mean												
I Ten-Daily				0.000		0.000		0.000		0.000		0.000
II Ten-Daily				0.000		0.000		0.000		0.000		0.000
III Ten-Daily				0.000		0.000		0.000		0.000		0.000
Monthly												
Min.				0.000		0.000		0.000		0.000		0.000
Max.				0.000		0.000		0.000		0.000		0.000
Mean				0		0		0		0		0

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

Note:Missing values ignored while arriving at Annual Runoff

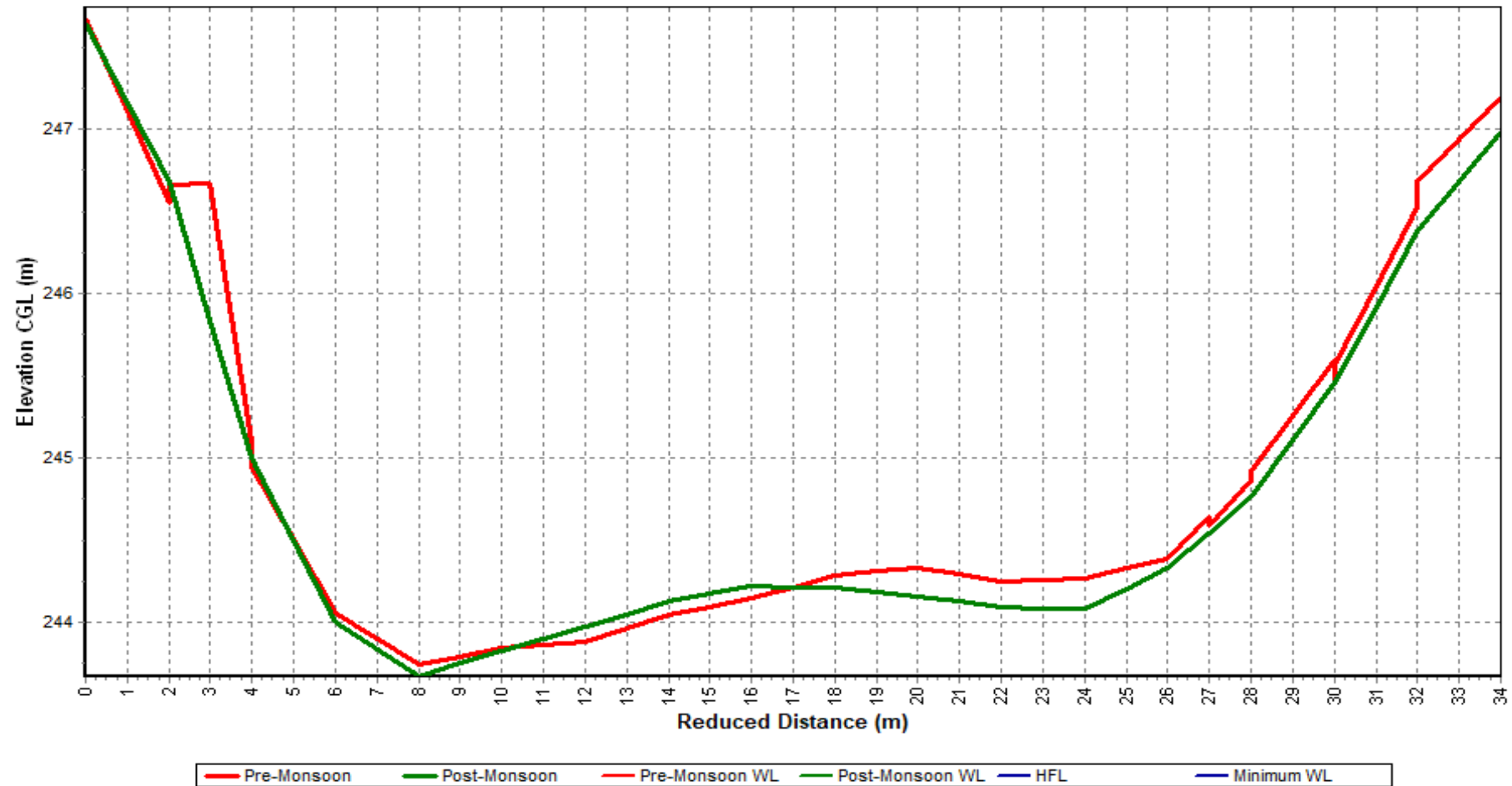
Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : Balasamudram (BALASAM)

Local River : Varathamnadhi

Division : SR Division, Coimbatore

Sub-Division : Vaigai SD, Madurai



HISTORY SHEET

Water Year : 2018-2019

Site : ELUNUTHIMANGALAM

Code : CCF00A4

State : Tamil Nadu

District : Erode

Basin : Cauvery

Independent River : Cauvery

Tributary : Noyyal

Sub Tributary :

Sub-Sub Tributary :

Local River : Noyyal

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi

Drainage Area : 3386 Sq. Km.

Bank : Left

Latitude : 11°01'54"

Longitude : 77°53'15"

Zero of Gauge (m) : 129.000 (m.s.l)

27-11-97

Opening Date

Closing Date

Gauge : 27-11-97

Discharge : 07-08-98

Sediment : 01-03-13

Water Quality : 03-10-00

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1999-2000	175.3	132.050	24-10-99	0.000	Dry Bed	01-06-99
2000-2001	87.28	131.680	10-10-00	0.000	Dry Bed	01-06-00
2001-2002	22.72	130.985	27-10-01	0.000	Dry Bed	01-06-01
2002-2003	30.54	131.075	27-11-02	0.000	130.170	01-06-02
2003-2004	28.44	130.950	25-12-03	0.000	Dry Bed	01-06-03
2004-2005	21.26	130.790	19-01-05	0.000	130.235	14-06-04
2005-2006	108.3	131.920	24-11-05	0.000	130.240	17-09-05
2006-2007	65.58	131.520	08-11-06	0.048	130.025	18-08-06
2007-2008	75.97	131.850	20-12-07	0.778	130.140	13-06-07
2008-2009	50.13	131.300	29-11-08	0.493	130.020	07-08-08
2009-2010	78.48	131.640	09-11-09	0.185	129.990	30-08-09
2010-2011	95.88	131.600	21-11-10	0.000	129.990	11-04-11
2011-2012	86.95	131.300	08-11-11	0.000	129.740	07-07-11
2012-2013	25.21	130.630	21-02-13	0.000	129.570	15-06-12
2013-2014	15.00	130.510	18-10-13	0.000	Dry Bed	01-06-13
2014-2015	76.39	131.030	16-04-15	0.000	129.500	01-06-14
2015-2016	101.4	131.680	07-12-15	0.000	129.680	02-09-15
2016-2017	0.000	129.910	24-09-16	0.000	Dry Bed	05-01-17
2017-2018	50.92	131.050	04-09-17	0.000	Dry Bed	01-06-17

Stage-Discharge Data for the period 2018 - 2019

Station Name : Elunuthimangalam (CCF00A4)

Division : SR Division, Coimbatore

Local River : Noyyal

Sub-Division : Lower Cauvery SD, Trichy

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	129.870	0.963	129.490	0.000	129.780	0.000	130.040	1.672	130.555	11.58	130.320	5.710
2	129.850	0.636	129.480	0.000	129.730	0.000	130.050	2.115 *	130.450	9.053 *	130.360	6.745
3	129.780	0.000	129.510	0.000	129.790	0.000	129.980	1.435	130.430	9.031	130.450	9.458
4	129.810	0.000	129.510	0.000	129.770	0.000	129.940	1.143	130.360	6.567	130.450	9.053 *
5	129.790	0.000	129.740	0.000	129.720	0.000	129.880	0.777	130.600	14.19	130.420	9.110
6	129.800	0.000	129.740	0.000	129.740	0.000	129.880	0.790	130.390	9.366	130.410	8.090
7	129.830	0.000	129.690	0.000	129.740	0.000	129.870	0.706	130.420	8.324 *	130.370	6.769
8	129.810	0.000	129.650	0.000	129.740	0.000	129.870	0.723	130.645	17.03	130.350	6.397
9	129.830	0.000	129.570	0.000	129.700	0.000	129.840	0.550 *	130.710	20.44	130.330	5.964
10	129.810	0.000	129.550	0.000	129.660	0.000	129.890	0.790	130.680	19.45	130.320	5.597
11	129.780	0.000	129.510	0.000	129.620	0.000	129.950	1.273	130.670	18.31	130.300	5.767 *
12	129.750	0.000	129.500	0.000	129.590	0.000	129.880	0.835	130.565	11.64	130.280	5.202
13	129.740	0.000	129.520	0.000	129.560	0.000	129.820	0.461 *	130.455	10.21	130.280	5.267
14	129.700	0.000	129.500	0.000	129.970	1.611	129.880	0.704	130.430	8.563 *	130.260	4.977
15	129.790	0.000	129.490	0.000	129.950	1.577 *	129.890	0.853	130.640	14.45	130.255	4.626
16	129.820	0.000	129.940	1.264	129.870	0.701 #	129.945	1.227 *	130.555	10.17	130.320	5.954
17	129.830	0.000	129.990	2.500	130.570	12.94	129.940	1.227	130.480	10.02	130.580	13.08
18	129.960	1.781	129.970	1.909	130.660	15.59	129.920	1.105	130.460	9.304 *	130.520	10.90 *
19	129.860	0.740	129.950	1.362	130.900	24.68 *	129.900	1.046	130.430	8.563 *	130.470	10.86
20	129.810	0.000	129.830	0.000	130.660	14.27	129.900	0.875 #	130.430	9.226	130.420	8.621
21	129.720	0.000	129.820	0.000	130.620	13.66	129.910	0.939 *	130.380	7.410 *	130.410	8.090
22	129.650	0.000	129.890	0.000	130.510	10.62 *	129.890	0.845	130.360	6.638	130.430	8.683
23	129.650	0.000	129.830	0.000	130.370	6.218	129.970	1.572 *	130.480	10.62	130.660	15.21
24	129.610	0.000	129.790	0.000	130.230	3.795	129.890	0.815 #	130.400	8.754	130.615	13.41
25	129.580	0.000	129.700	0.000	130.250	4.322	129.970	1.374 #	130.380	7.116	130.550	11.75 *
26	129.540	0.000	129.640	0.000	130.150	3.321 *	130.250	1.697	130.360	6.728	130.535	10.91
27	129.530	0.000	129.760	0.000	130.070	2.056	130.170	3.601 #	130.340	6.268	130.460	9.620
28	129.500	0.000	129.800	0.000	130.100	2.807	130.250	3.865 *	130.360	6.976 *	130.440	8.792
29	129.500	0.000	129.810	0.000	130.180	3.939	130.290	5.706	130.345	6.429	130.390	7.517
30	129.500	0.000	129.770	0.000	130.120	2.986	130.660	15.21 *	130.300	5.503	130.415	8.353
31			129.760	0.000	130.050	1.918			130.300	5.394		
Ten-Daily Mean												
I Ten-Daily	129.818	0.160	129.593	0.000	129.737	0.000	129.924	1.070	130.524	12.50	130.378	7.289
II Ten-Daily	129.804	0.252	129.720	0.704	130.135	7.137	129.903	0.961	130.512	11.05	130.368	7.526
III Ten-Daily	129.578	0.000	129.779	0.000	130.241	5.058	130.125	3.562	130.364	7.076	130.491	10.23
Monthly												
Min.	129.500	0.000	129.480	0.000	129.560	0.000	129.820	0.461	130.300	5.394	130.255	4.626
Max.	129.960	1.781	129.990	2.500	130.900	24.68	130.660	15.21	130.710	20.44	130.660	15.21
Mean	129.733	0.137	129.700	0.227	130.044	4.097	129.984	1.864	130.463	10.11	130.412	8.35

Annual Runoff in MCM = 93 Annual Runoff in mm = 28

Peak Observed Discharge = 20.44 cumecs on 09-10-2018 Corres. Water Level :130.71 m

Lowest Observed Discharge = 0.000 cumecs on 03-06-2018 Corres. Water Level :129.78 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Elunuthimangalam (CCF00A4)

Division : SR Division, Coimbatore

Local River : Noyyal

Sub-Division : Lower Cauvery SD, Trichy

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	130.420	8.473	130.280	5.221	129.950	1.217	129.790	0.410	129.770	0.335	129.740	0.224 #
2	130.430	7.801 *	130.240	4.247	129.900	0.972	129.850	0.546	129.740	0.214	129.750	0.326
3	130.360	6.719	130.160	3.315	129.900	0.922 *	129.780	0.349 *	129.720	0.173	129.680	0.112
4	130.380	7.108	130.100	2.662	129.890	0.956	129.890	0.962	129.620	0.000	129.630	0.000
5	130.440	8.770	130.080	2.319	129.880	0.869	129.880	0.880	129.610	0.000	129.600	0.000
6	130.435	8.003	130.070	2.307 *	129.830	0.467	129.855	0.562	129.600	0.000	129.580	0.000
7	130.430	8.004	130.060	2.037	129.820	0.446	129.870	0.735	129.580	0.000	129.560	0.000
8	130.380	7.149	130.030	1.642	129.910	1.010	129.890	0.978	129.540	0.000	129.540	0.000
9	130.360	6.439 *	130.030	1.675	129.930	1.054	129.900	0.993	129.480	0.000	129.600	0.000
10	130.330	6.099	129.950	1.195	129.890	0.862 *	129.900	0.922 *	129.460	0.000	129.860	0.760
11	130.335	5.943	129.950	1.141	129.950	1.225	129.870	0.792	129.430	0.000	129.840	0.635
12	130.330	5.967	130.000	1.517	129.950	1.069	129.790	0.402	129.400	0.000	129.830	0.550 *
13	130.320	5.688	130.030	1.917 *	129.950	1.235	129.760	0.270	129.380	0.000	129.750	0.329
14	130.330	6.070	130.030	1.640	129.960	1.355	129.720	0.183	129.350	0.000	129.700	0.199
15	130.320	5.591	130.030	1.917 *	129.960	1.329	129.720	0.185	129.300	0.000	129.685	0.180
16	130.330	5.900 *	130.000	1.511	130.000	1.507	129.680	0.103	129.300	0.000	129.680	0.168
17	130.325	5.712	130.030	1.617	130.000	1.651 *	129.580	0.000	129.260	0.000	129.700	0.191
18	130.330	6.048	130.030	1.632	129.960	1.276	129.610	0.000	129.250	0.000	129.750	0.332 *
19	130.330	6.044	130.060	1.977	129.920	1.039	129.590	0.000	129.200	0.000	129.840	0.655 *
20	130.330	6.103	130.030	1.917 *	129.910	1.009	129.560	0.000	129.190	0.000	129.970	1.373
21	130.335	6.492	130.050	1.929	129.830	0.521	129.540	0.000	129.160	0.000	129.850	0.676
22	130.320	5.833	130.080	2.379	129.800	0.390	129.520	0.000	129.150	0.000	129.740	0.326
23	130.320	5.726 *	130.100	2.615	129.780	0.349	129.490	0.000	130.000	1.649	129.710	0.208
24	130.340	6.739	130.110	2.851	129.780	0.349 *	129.480	0.000	130.000	1.640	129.630	0.000
25	130.340	6.076 *	130.100	2.681	129.760	0.300	129.450	0.000	130.130	3.215	129.620	0.000
26	130.340	6.705	130.100	2.627 *	129.750	0.249	129.420	0.000	129.980	1.477	129.630	0.000
27	130.330	6.373	130.110	2.739 *	129.750	0.240	129.400	0.000	129.920	1.111	129.590	0.000
28	130.340	6.712	130.000	1.521	129.750	0.245	129.380	0.000	129.880	0.805 *	129.560	0.000
29	130.330	6.262	129.950	1.238			129.360	0.000	129.830	0.628	129.560	0.000
30	130.320	5.726 *	129.960	1.268			129.380	0.000	129.800	0.423 #	129.510	0.000
31	130.315	5.688	129.960	1.263			129.760	0.260			129.630	0.000
Ten-Daily Mean												
I Ten-Daily	130.396	7.457	130.100	2.662	129.890	0.878	129.861	0.734	129.612	0.072	129.654	0.142
II Ten-Daily	130.328	5.907	130.019	1.679	129.956	1.270	129.688	0.194	129.306	0.000	129.775	0.461
III Ten-Daily	130.330	6.212	130.047	2.101	129.775	0.330	129.471	0.024	129.785	1.095	129.639	0.110
Monthly												
Min.	130.315	5.591	129.950	1.141	129.750	0.240	129.360	0.000	129.150	0.000	129.510	0.000
Max.	130.440	8.770	130.280	5.221	130.000	1.651	129.900	0.993	130.130	3.215	129.970	1.373
Mean	130.351	6.515	130.055	2.146	129.881	0.861	129.667	0.307	129.568	0.389	129.688	0.234

Peak Computed Discharge = 24.68 cumecs on 19-08-2018

Corres. Water Level :130.9 m

Lowest Computed Discharge = 0.332 cumecs on 18-05-2019

Corres. Water Level :129.75 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

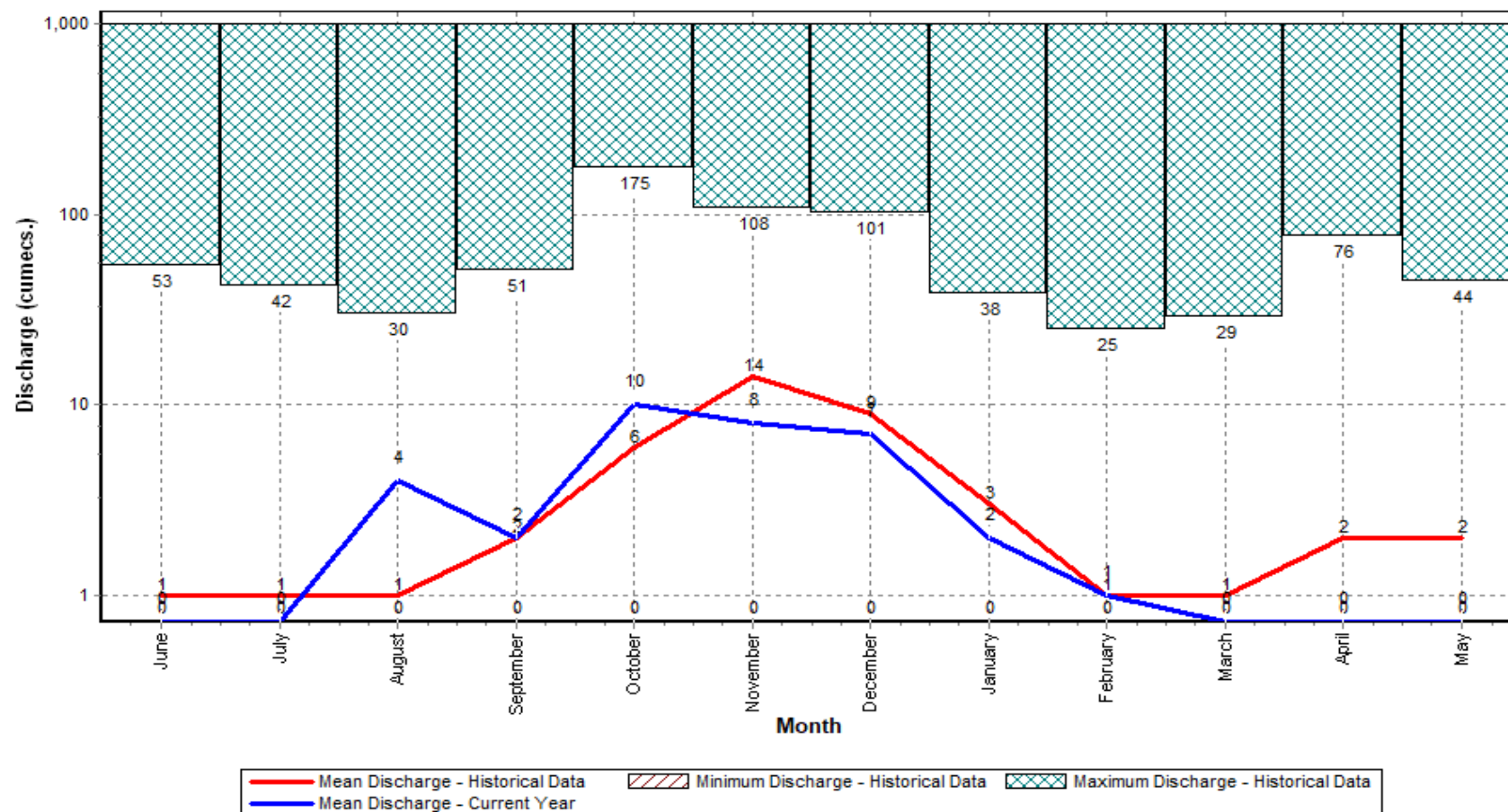
#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Station Name : Elunuthimangalam (CCF00A4)
Local River : Noyyal

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019 Data considered : 1999-2019

Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichy



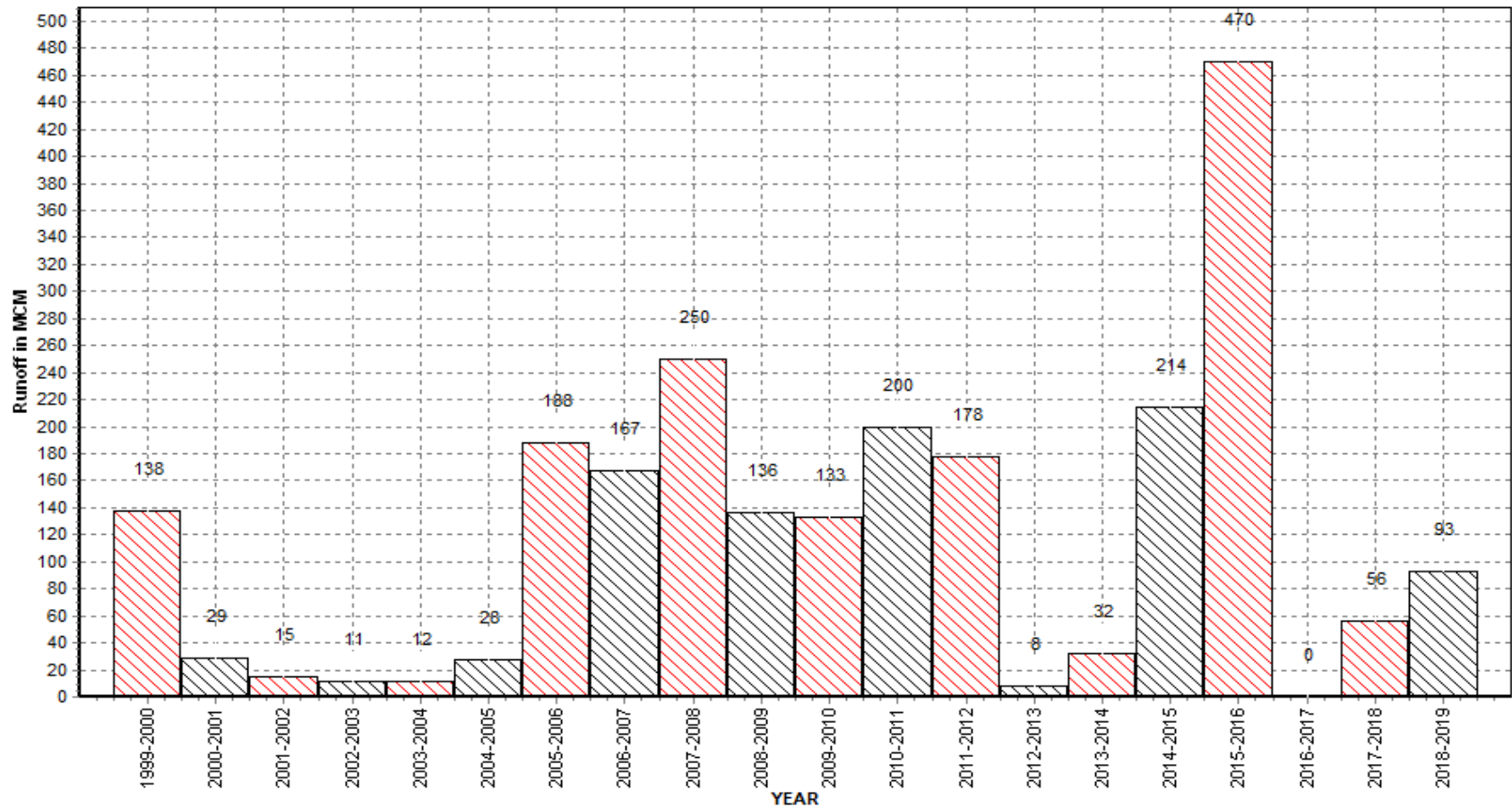
Annual Runoff Values for the period: 1999 - 2019

Station Name : Elunuthimangalam (CCF00A4)

Local River : Noyyal

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichy

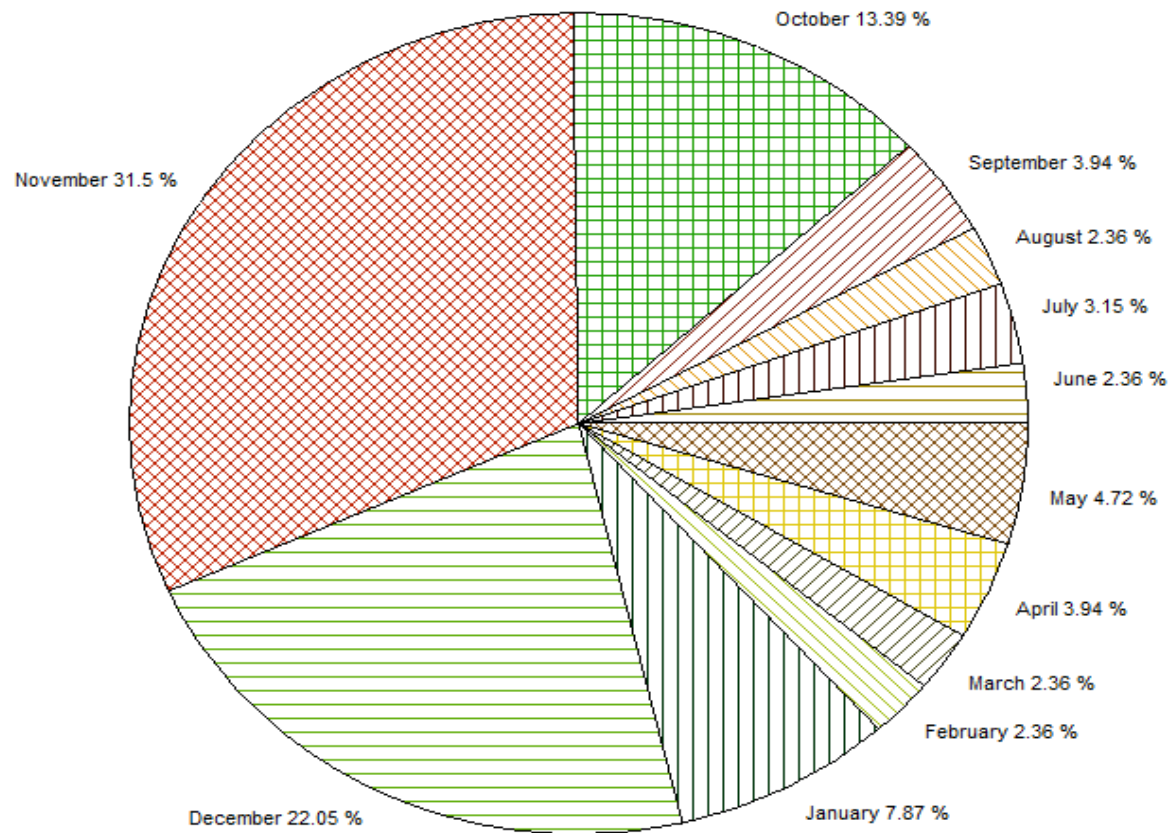


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Elunuthimangalam (CCF00A4)
Local River : Noyyal

Monthly Average Runoff based on period : 1999-2018

Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichy

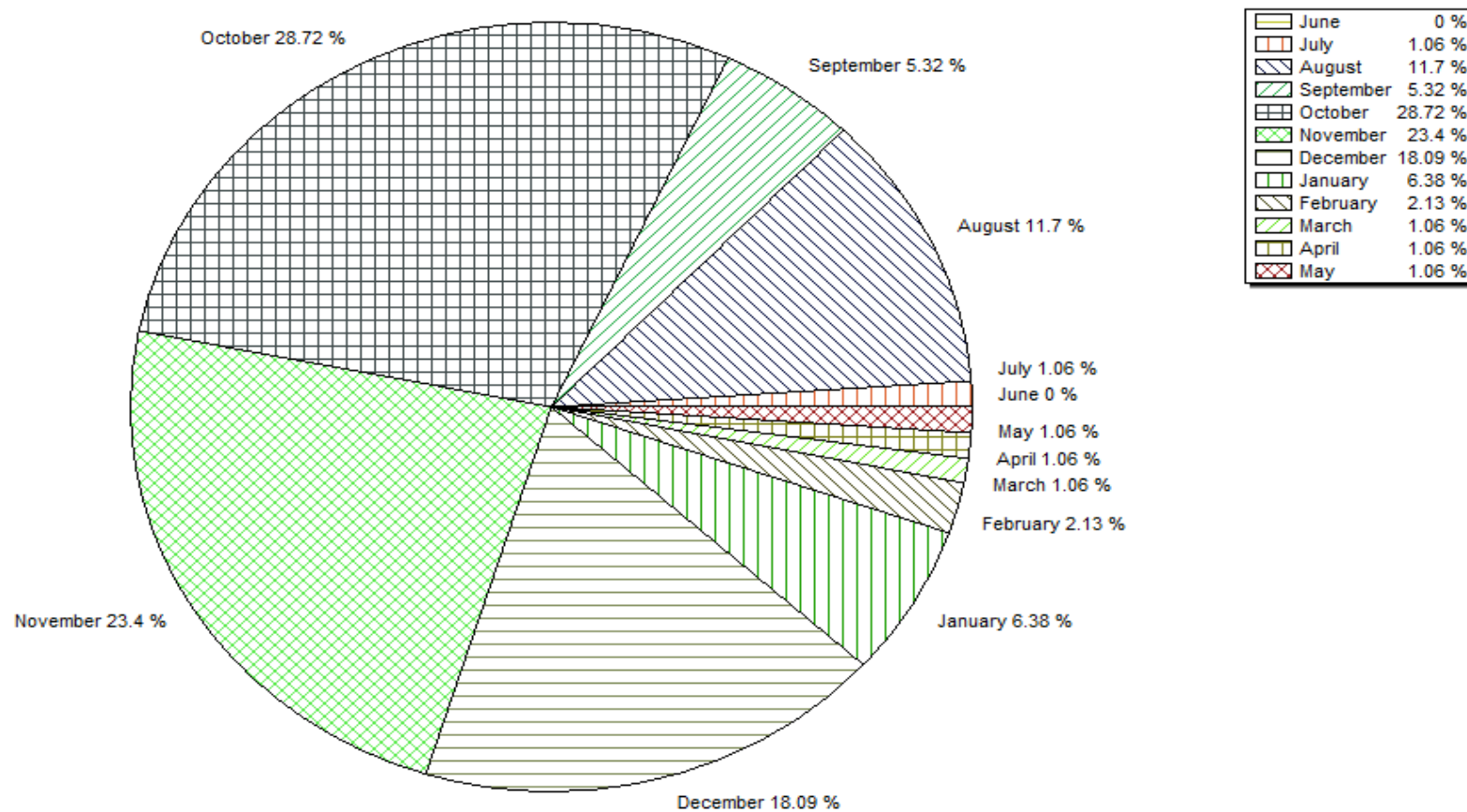


June	2.36 %
July	3.15 %
August	2.36 %
September	3.94 %
October	13.39 %
November	31.5 %
December	22.05 %
January	7.87 %
February	2.36 %
March	2.36 %
April	3.94 %
May	4.72 %

Station Name : Elunuthimangalam (CCF00A4)
Local River : Noyyal

Monthly Runoff for the Year : 2018-2019

Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichy



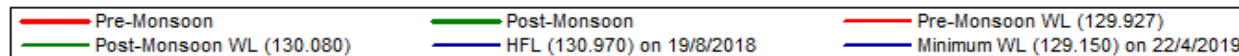
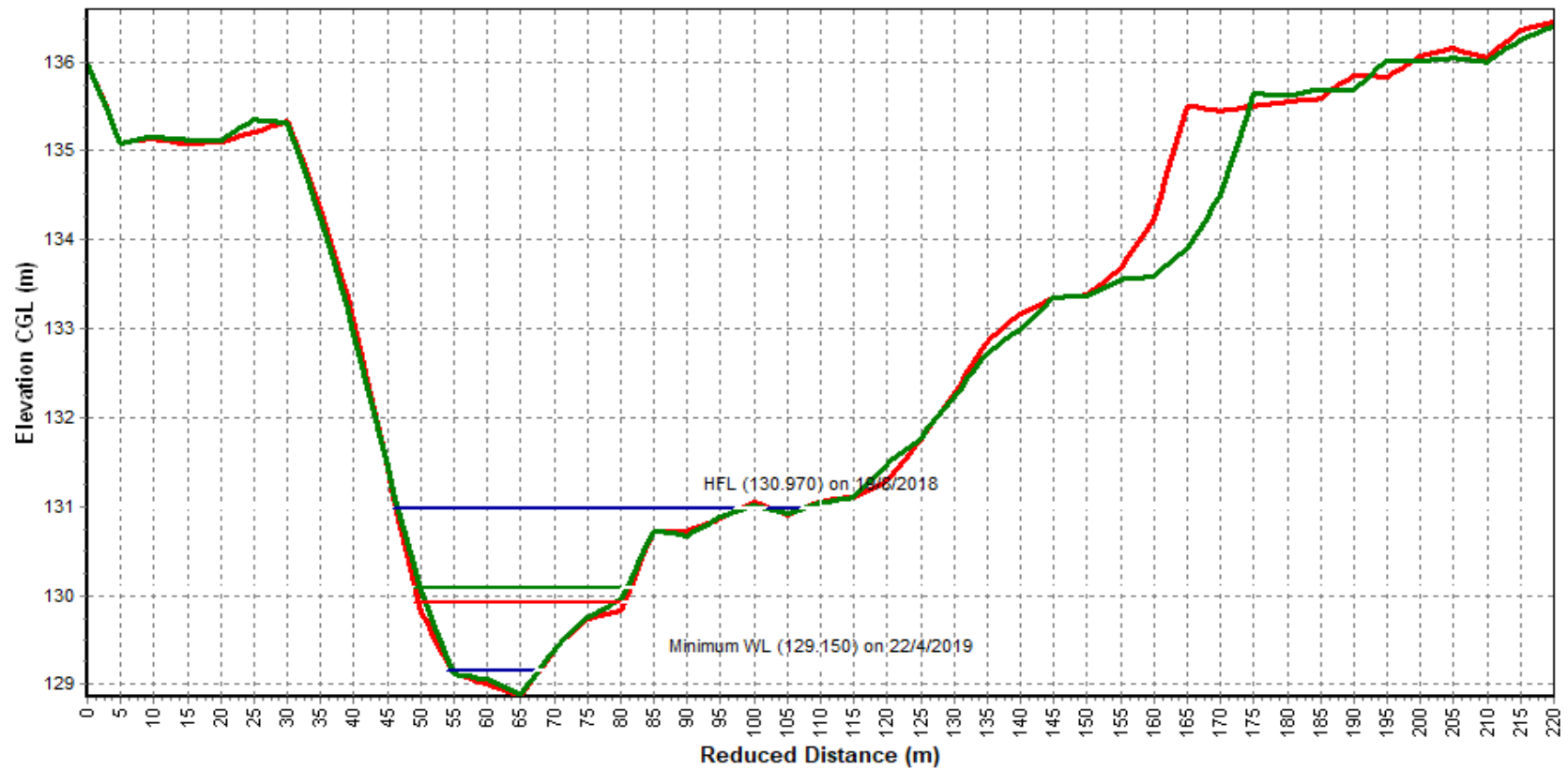
Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : Elunuthimangalam (CCF00A4)

Local River : Noyyal

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichy



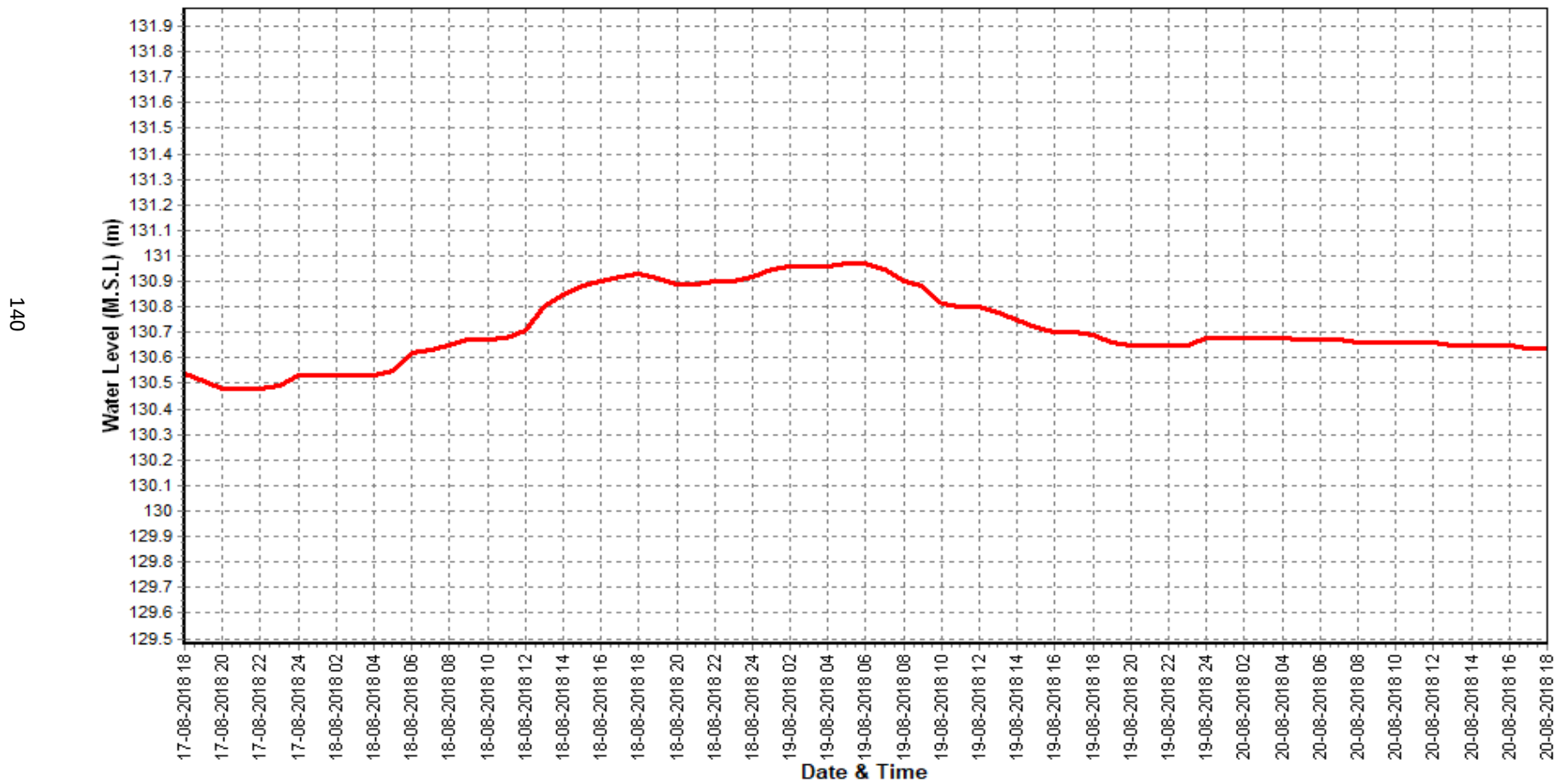
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : Elunuthimangalam (CCF00A4)

Local River : Noyyal

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichy



Time Span: 72 Hrs

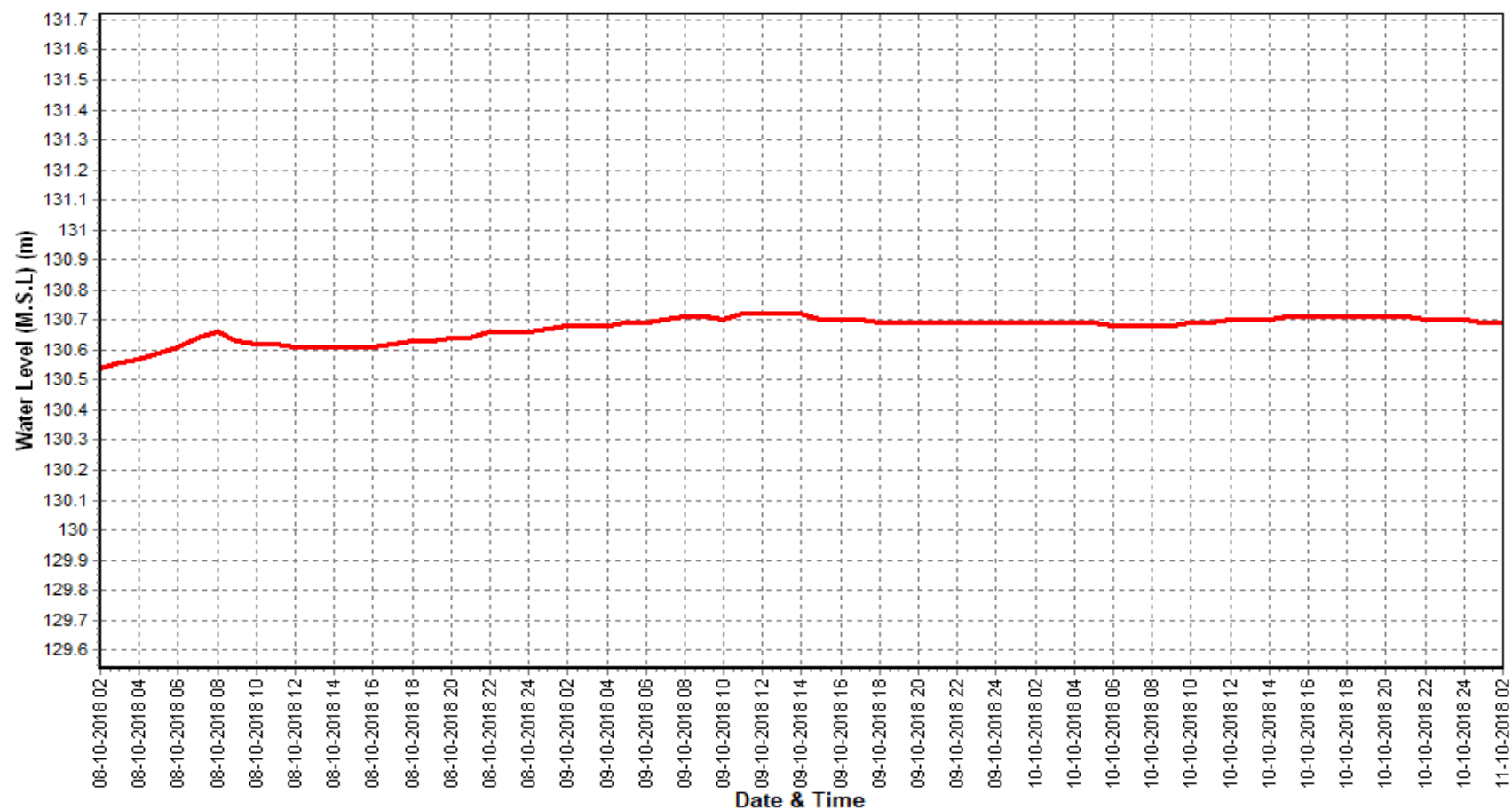
Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : Elunuthimangalam (CCF00A4)

Local River : Noyyal

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichy



Time Span: 72 Hrs

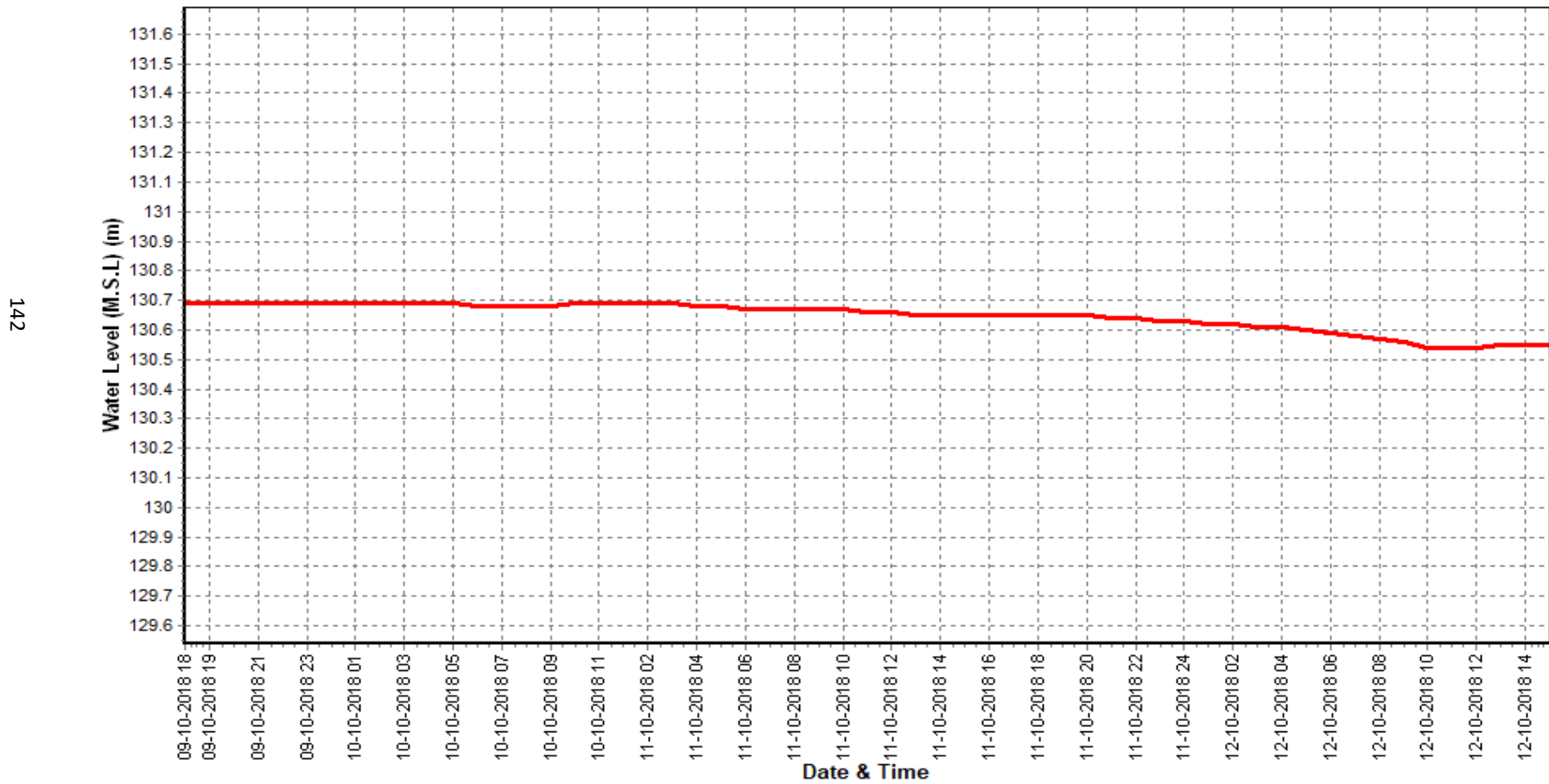
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : Elunuthimangalam (CCF00A4)

Local River : Noyyal

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichy



Time Span: 72 Hrs

HISTORY SHEET

		Water Year	: 2018-2019
Site	: ALANDURAI	Code	: ALANDURAI
State	: Tamil Nadu	District	Coimbatore
Basin	: Cauvery	Independent River	: Cauvery
Tributary	: Noyyal	Sub Tributary	:
Sub-Sub Tributary	:	Local River	: Noyyal
Division	: SR Division, Coimbatore	Sub-Division	: Middle Cauvery SD, Coimbatore
Drainage Area	: 156.4 Sq. Km.	Bank	: Right
Latitude	: 10°57'07"	Longitude	: 76°47'07"
Zero of Gauge (m)	: 441.000 (Arb.)	29-10-2014	
	Opening Date	Closing Date	
Gauge	: 29-10-2014		
Discharge	: 01-11-2018		
Sediment	:		
Water Quality	:		

Stage-Discharge Data for the period 2018 - 2019

Station Name : ALANDURAI (ALANDURAI)

Division : SR Division, Coimbatore

Local River : Noyyal

Sub-Division : Middle Cauvery SD, Coimbatore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1											442.800	1.554
2											442.770	1.398
3											442.850	1.974
4											442.800	1.566 *
5											442.800	1.400
6											442.790	1.506 *
7											442.780	1.501
8											442.780	1.364
9											442.750	1.351
10											442.740	1.465
11											442.740	1.228 *
12											442.730	1.191
13											442.710	0.987
14											442.710	1.042
15											442.680	0.789
16											442.680	0.859
17											442.720	1.252
18											442.790	1.506 *
19											442.690	0.879
20											442.670	0.920
21											442.660	0.848 *
22											442.660	0.881
23											442.700	1.028 *
24											442.740	1.207
25											442.700	1.028 *
26											442.670	0.954
27											442.660	0.891
28											442.660	0.820
29											442.650	0.882
30											442.630	0.726 #
31												
<u>Ten-Daily Mean</u>												
I Ten-Daily											442.786	1.508
II Ten-Daily											442.712	1.065
III Ten-Daily											442.673	0.927
<u>Monthly</u>												
Min.											442.630	0.726
Max.											442.850	1.974
Mean											442.724	1.167

Annual Runoff in MCM = 6 Annual Runoff in mm = 37

Peak Observed Discharge = 1.974 cumecs on 03-11-2018 Corres. Water Level :442.85 m

Lowest Observed Discharge = 0.000 cumecs on 08-02-2019 Corres. Water Level :442.44 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : ALANDURAI (ALANDURAI)

Division : SR Division, Coimbatore

Local River : Noyyal

Sub-Division : Middle Cauvery SD, Coimbatore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	442.600	1.241	442.510	0.337	442.450	0.197	442.380	0.000		0.000		0.000
2	442.590	1.021 *	442.510	0.345	442.450	0.175	442.380	0.000		0.000		0.000
3	442.580	0.980	442.510	0.346	442.450	0.180	442.380	0.000		0.000		0.000
4	442.630	1.400	442.500	0.220	442.450	0.205	442.380	0.000		0.000		0.000
5	442.640	1.293	442.500	0.303	442.440	0.189	442.380	0.000		0.000		0.000
6	442.610	1.194	442.500	0.314 *	442.440	0.209	442.380	0.000		0.000		0.000
7	442.600	1.049	442.500	0.350	442.440	0.196	442.380	0.000		0.000		0.000
8	442.580	1.031	442.490	0.280	442.440	0.000	442.380	0.000		0.000		0.000
9	442.580	0.937 *	442.490	0.292	442.440	0.000	442.380	0.000		0.000		0.000
10	442.580	0.972	442.480	0.253	442.430	0.000	442.380	0.000		0.000		0.000
11	442.570	0.873	442.480	0.273	442.430	0.000	442.380	0.000		0.000		0.000
12	442.560	0.785	442.480	0.277	442.430	0.000		0.000		0.000		0.000
13	442.560	0.791	442.480	0.269 *	442.430	0.000		0.000		0.000		0.000
14	442.560	0.781	442.480	0.251	442.430	0.000		0.000		0.000		0.000
15	442.550	0.636	442.480	0.269 *	442.430	0.000		0.000		0.000		0.000
16	442.550	0.701 *	442.470	0.260	442.430	0.000		0.000		0.000		0.000
17	442.540	0.588	442.460	0.177	442.430	0.000		0.000		0.000		0.000
18	442.540	0.436	442.470	0.262	442.430	0.000		0.000		0.000		0.000
19	442.540	0.446	442.470	0.249	442.430	0.000		0.000		0.000		0.000
20	442.530	0.406	442.470	0.248 *	442.430	0.000		0.000		0.000		0.000
21	442.540	0.413	442.460	0.199	442.430	0.000		0.000		0.000		0.000
22	442.540	0.396	442.460	0.198	442.430	0.000		0.000		0.000		0.000
23	442.530	0.386 *	442.460	0.291	442.430	0.000		0.000		0.000		0.000
24	442.560	0.463 #	442.460	0.232	442.410	0.000		0.000		0.000		0.000
25	442.550	0.437 *	442.460	0.208	442.400	0.000		0.000		0.000		0.000
26	442.520	0.362 #	442.460	0.227 *	442.390	0.000		0.000		0.000		0.000
27	442.520	0.374	442.460	0.227 *	442.390	0.000		0.000		0.000		0.000
28	442.530	0.380	442.460	0.261	442.380	0.000		0.000		0.000		0.000
29	442.510	0.334	442.460	0.292				0.000		0.000		0.000
30	442.510	0.338 *	442.460	0.257				0.000		0.000		0.000
31	442.510	0.337	442.460	0.250				0.000				0.000
<u>Ten-Daily Mean</u>												
I Ten-Daily	442.599	1.112	442.499	0.304	442.443	0.135	442.380	0.000		0.000		0.000
II Ten-Daily	442.550	0.644	442.474	0.254	442.430	0.000	442.380	0.000		0.000		0.000
III Ten-Daily	442.529	0.384	442.460	0.240	442.408	0.000		0.000		0.000		0.000
<u>Monthly</u>												
Min.	442.510	0.334	442.460	0.177	442.380	0.000	442.380	0.000		0.000		0.000
Max.	442.640	1.400	442.510	0.350	442.450	0.209	442.380	0.000		0.000		0.000
Mean	442.558	0.703	442.477	0.265	442.428	0.048	442.380	0		0		0

Peak Computed Discharge = 1.566 cumecs on 04-11-2018

Corres. Water Level :442.8 m

Lowest Computed Discharge = 0.227 cumecs on 26-01-2019

Corres. Water Level :442.46 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

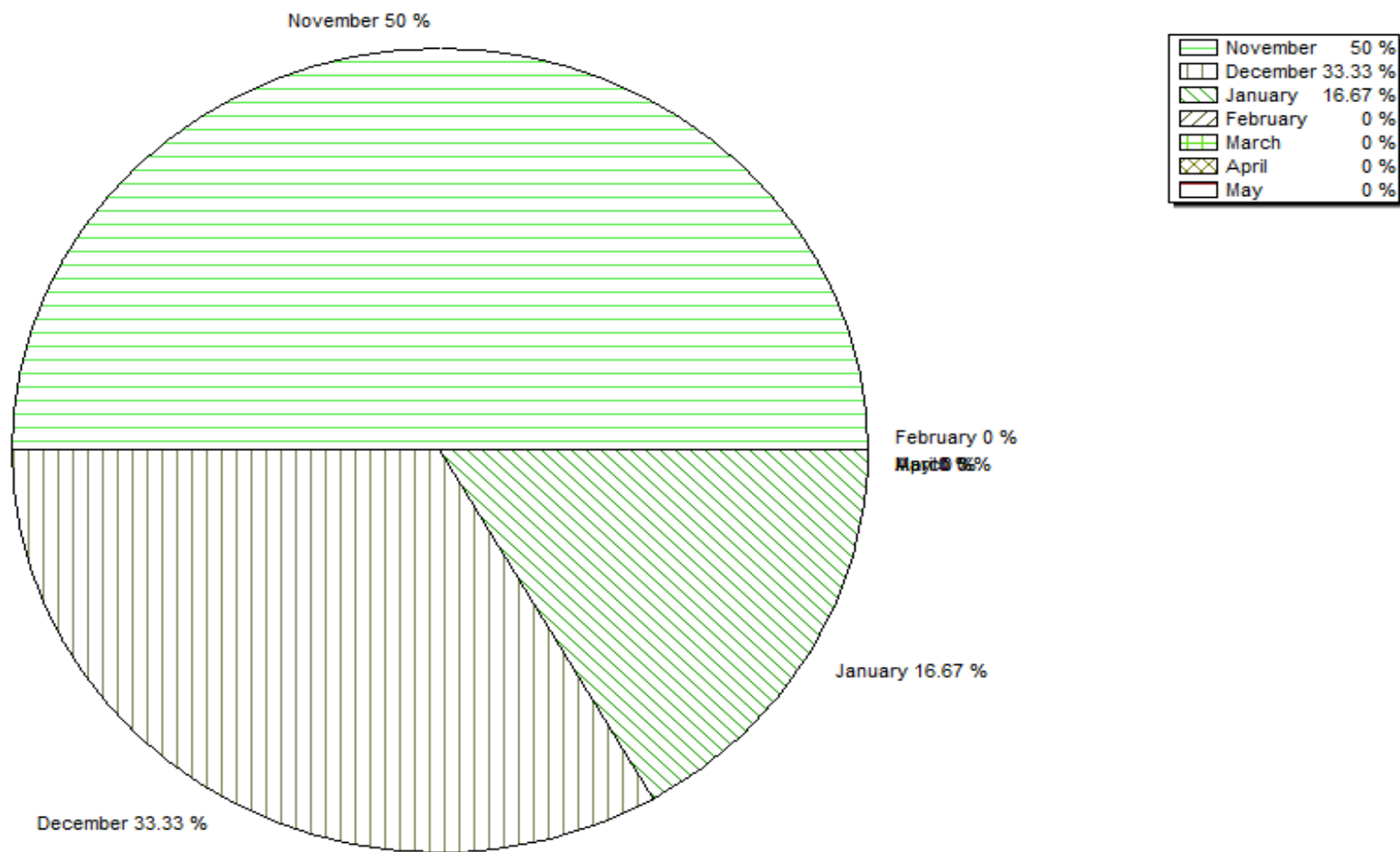
Monthly Runoff for the Year : 2018-2019

Station Name : ALANDURAI (ALANDURAI)

Local River : Noyyal

Division : SR Division, Coimbatore

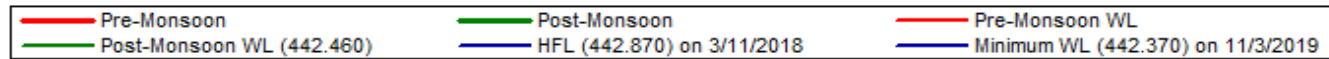
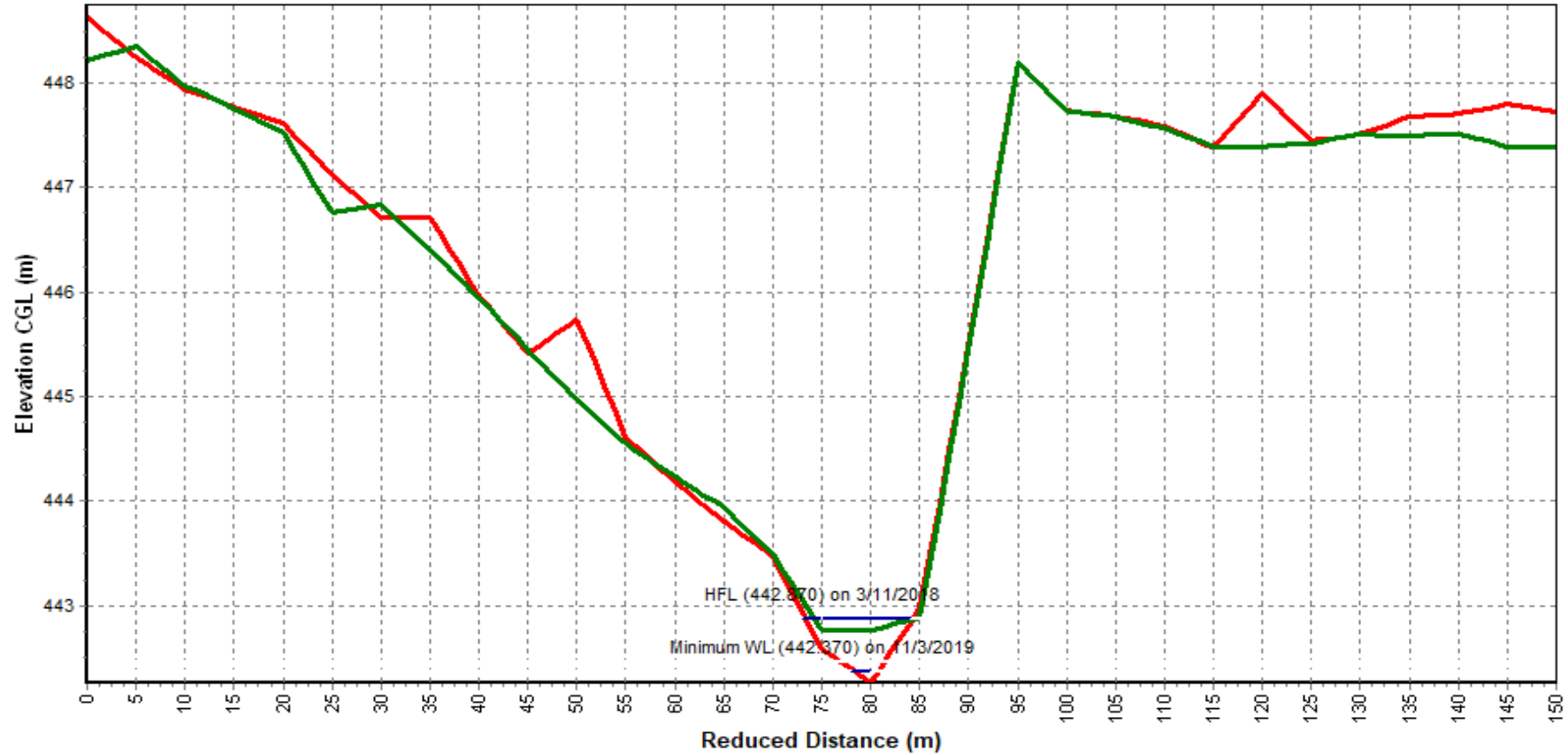
Sub-Division : Middle Cauvery SD, Coimbatore



Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : ALANDURAI (ALANDURAI)
Local River : Noyyal

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore

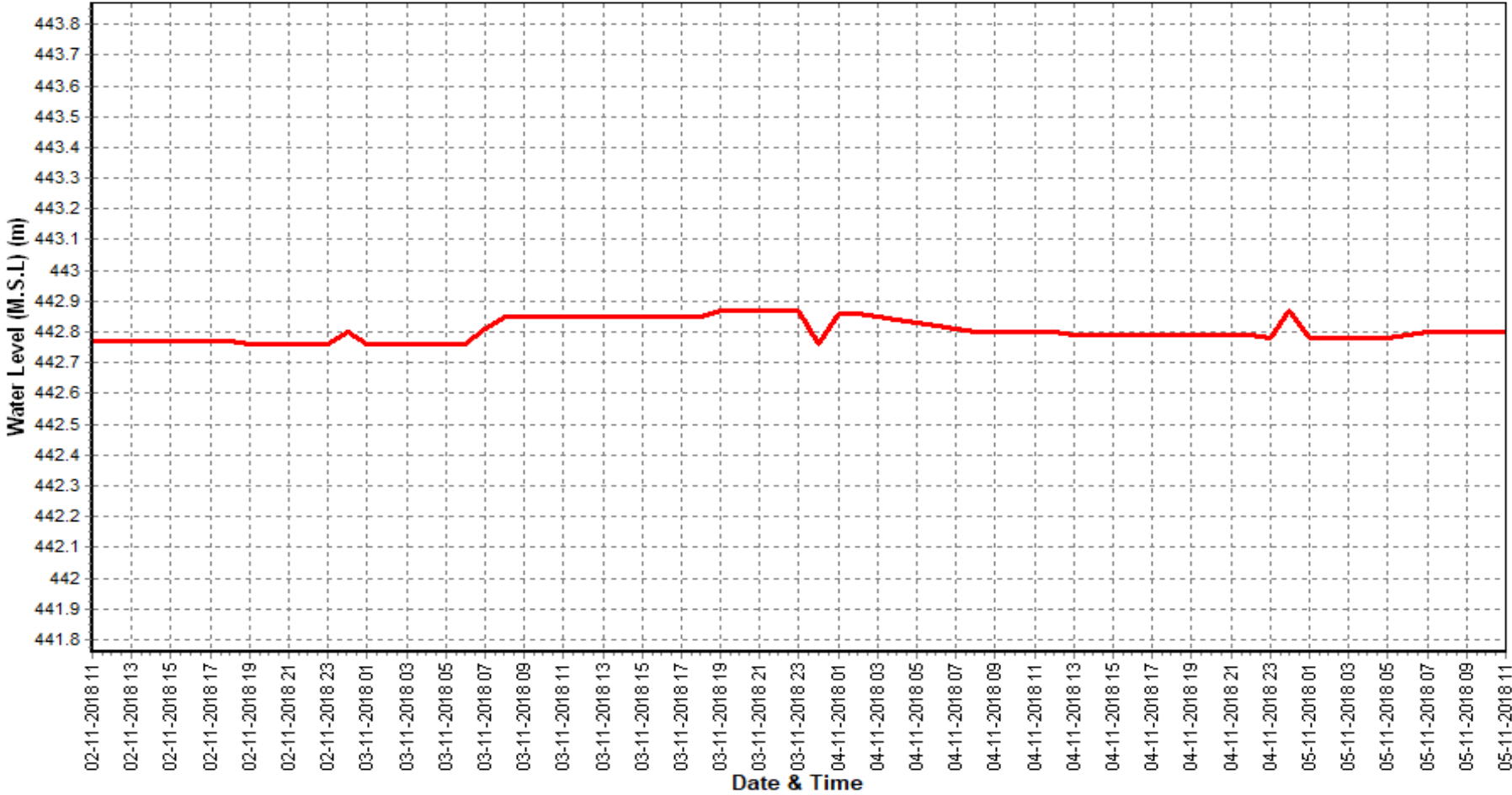


Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : ALANDURAI (ALANDURAI)
Local River : Noyyal

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore

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Time Span: 72 Hrs

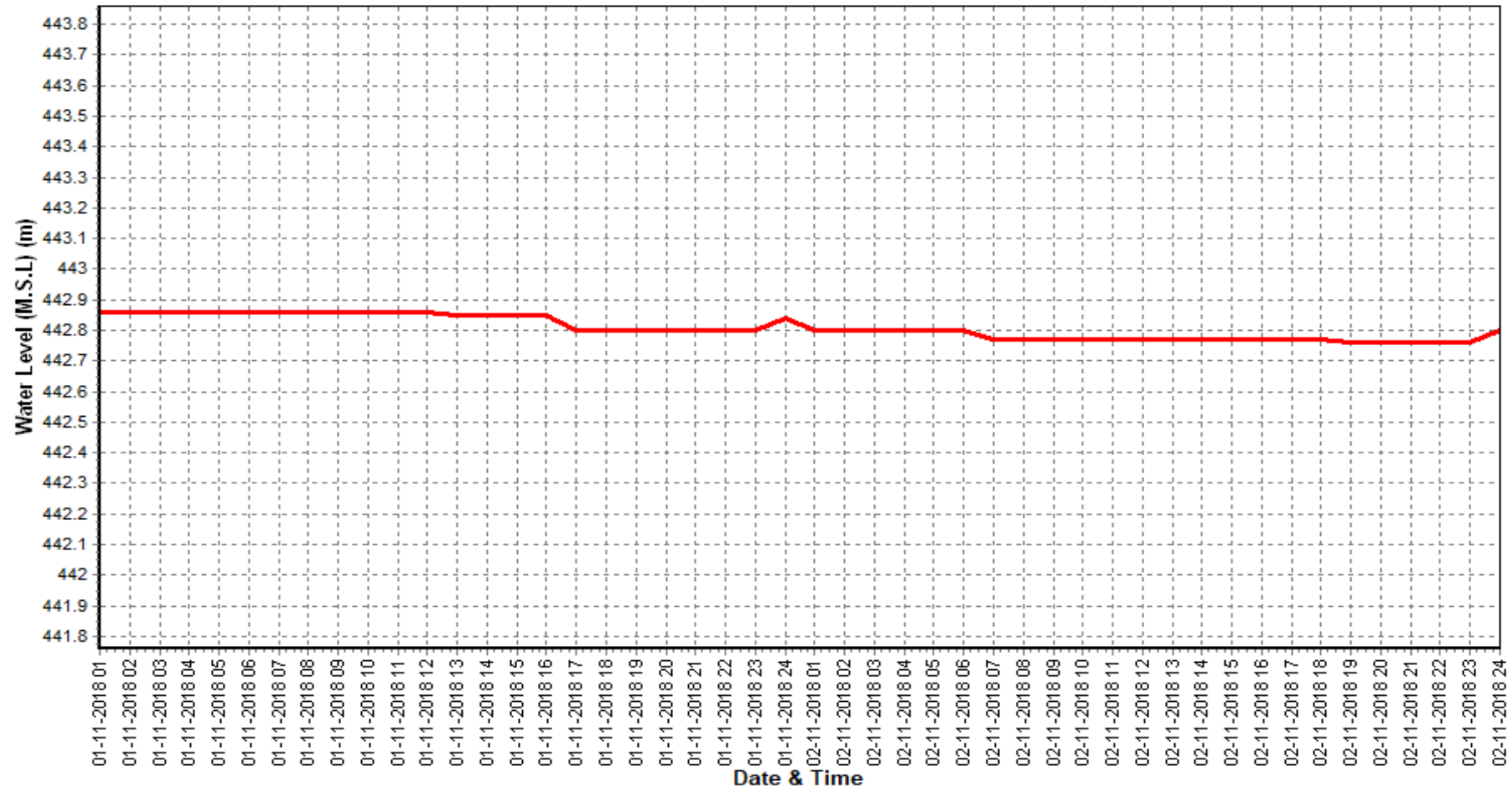
Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : ALANDURAI (ALANDURAI)

Local River : Novval

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD. Coimbatore



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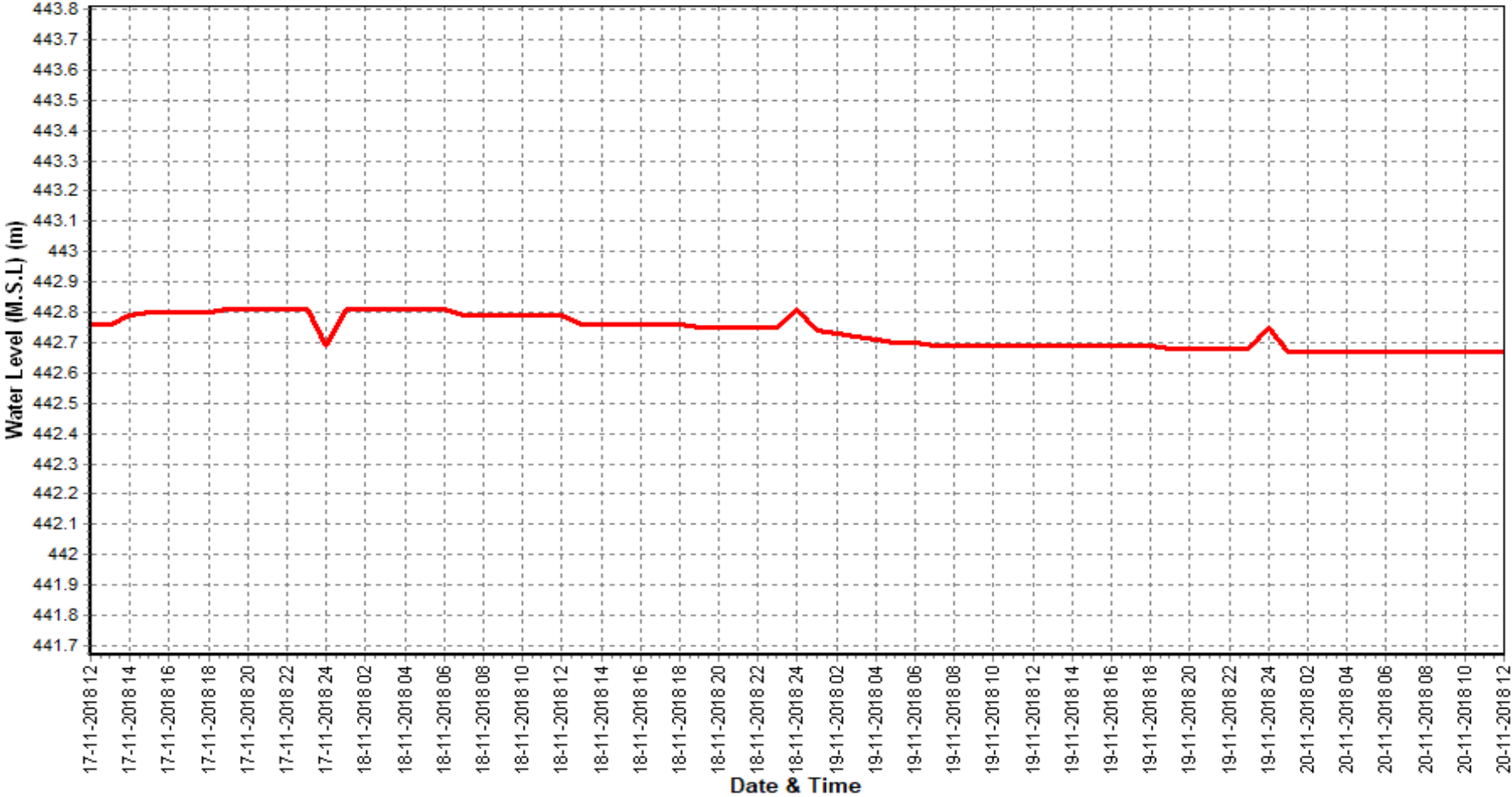
Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : ALANDURAI (ALANDURAI)
Local River : Noyyal

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore

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HISTORY SHEET

Water Year : 2018-2019

Site : KODUMUDI

Code : CC00017

State : Tamil Nadu

District : Erode

Basin : Cauvery

Independent River : Cauvery

Tributary : -

Sub Tributary :

Sub-Sub Tributary :

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi

Drainage Area : 53233 Sq. Km.

Bank : Right

Latitude : 11°04'52"

Longitude : 77°53'25"

Zero of Gauge (m) : 121.000 (m.s.l)
121.570 (m.s.l)05-05-71 - 31-05-87
01-06-87

Opening Date

Closing Date

Gauge : 05-05-71

Discharge : 21-06-71

Sediment : 11-07-72

Water Quality : 01-06-78

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1972-1973	3900	126.600	10-12-72	12.90	122.150	13-06-72
1973-1974	990.1	124.190	17-07-73	18.40	121.950	01-03-74
1974-1975	1231	124.420	02-10-74	9.900	121.715	19-04-75
1975-1976	2275	125.372	22-09-75	6.300	121.685	01-07-75
1976-1977	697.8	123.790	28-08-76	3.300	121.560	02-12-76
1977-1978	1143	124.388	13-11-77	5.800	121.675	24-06-77
1978-1979	4079	126.515	05-11-78	16.30	121.800	12-05-79
1979-1980	3750	126.440	14-08-79	19.30	121.955	20-02-80
1980-1981	4829	126.868	11-07-80	7.800	121.565	14-05-81
1981-1982	3100	126.050	13-09-81	10.80	121.825	08-03-82
1982-1983	617.0	123.575	18-08-82	8.000	121.690	23-10-82
1983-1984	1082	124.000	13-10-83	1.200	121.505	06-06-83
1984-1985	884.9	123.980	24-08-84	8.000	121.760	03-02-85
1985-1986	480.2	123.470	24-08-85	4.200	121.580	27-01-86
1986-1987	644.1	123.610	30-09-86	2.900	121.540	03-06-86
1987-1988	573.0	124.070	20-11-87	4.031	122.070	24-02-88
1988-1989	739.8	124.340	11-10-88	4.249	122.150	14-06-88
1989-1990	781.0	124.435	17-09-89	1.386	122.060	24-06-89
1990-1991	596.8	124.155	08-09-90	5.049	122.135	09-11-90
1991-1992	1643	125.344	17-11-91	0.000	122.155	08-06-91
1992-1993	2122	125.800	22-08-92	15.44	122.260	16-03-93

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1993-1994	657.2	124.131	15-09-93	8.399	122.220	10-04-94
1994-1995	2766	126.209	02-08-94	5.289	122.110	14-05-95
1995-1996	663.3	124.173	21-10-95	5.492	122.135	03-02-96
1996-1997	761.7	124.340	10-10-96	7.208	122.170	16-07-96
1997-1998	890.4	124.580	11-09-97	6.000	122.170	16-11-97
1998-1999	793.5	124.435	28-10-98	19.72	122.210	02-02-99
1999-2000	924.0	124.815	25-11-99	19.30	122.240	28-02-00
2000-2001	3140	127.090	11-10-00	11.74	122.230	08-06-00
2001-2002	602.4	124.095	24-07-01	0.686	122.070	19-03-02
2002-2003	529.5	123.830	10-09-02	0.000	121.900	19-03-03
2003-2004	562.0	123.910	12-10-03	0.000	121.900	06-06-03
2004-2005	565.8	123.950	23-08-04	0.000	121.950	10-06-04
2005-2006	6585	127.830	25-10-05	6.420	122.170	10-07-05
2006-2007	1613	125.170	21-08-06	30.10	122.340	01-02-07
2007-2008	4202	126.860	13-08-07	28.69	122.280	31-01-08
2008-2009	719.8	124.040	11-10-08	26.38	122.150	31-01-09
2009-2010	864.1	124.340	14-10-09	26.70	122.170	08-06-09
2010-2011	642.5	124.010	28-10-10	26.39	122.150	02-02-11
2011-2012	780.0	124.190	15-09-11	40.30	122.250	10-01-12
2012-2013	726.5	124.100	15-10-12	0.000	121.890	09-04-13
2013-2014	3074	126.460	06-08-13	0.000	121.740	01-06-13
2014-2015	783.7	124.070	14-09-14	0.287	122.040	17-07-14
2015-2016	903.0	124.450	05-11-15	0.000	121.970	04-07-15
2016-2017	607.1	123.930	16-10-16	0.000	Dry Bed	30-03-17
2017-2018	623.5	124.010	19-10-17	0.000	Dry Bed	01-06-17

Stage-Discharge Data for the period 2018 - 2019

Station Name : Kodumudi (CC00017)

Division : SR Division, Coimbatore

Local River : Cauvery

Sub-Division : Lower Cauvery SD, Trichi

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	121.900	0.000		0.000	123.945	526.6	123.995	523.6	123.880	425.6	123.740	383.0
2		0.000		0.000	123.810	482.9	124.270	727.7 *	124.090	610.9 *	123.460	267.2
3	122.100	0.980 *	122.470	25.94 #	123.815	509.0	124.045	566.0	124.050	586.7	122.990	123.0
4	122.300	11.80	122.430	27.30	123.810	494.0	123.625	282.6	123.800	392.8	123.070	148.1 *
5	122.270	8.872	122.410	24.49	123.810	450.5 *	123.530	273.1	123.320	237.1	123.060	150.9
6	122.195	4.670	122.460	29.69	123.830	507.2	123.520	270.0	123.130	181.9	123.010	131.0 *
7	122.550	36.19 #	122.470	32.45	123.830	508.4	123.320	244.6	123.070	148.1 *	122.650	51.54 #
8	122.335	12.92	122.410	24.00	123.815	493.9	123.810	454.5	123.270	219.9	122.940	104.7
9	122.180	3.961	122.360	13.65	123.865	528.0	123.750	419.5 *	123.260	216.7	122.940	104.7
10	122.180	3.401 *	122.370	14.66	124.375	848.6	123.945	532.5	123.150	188.5	122.990	123.0
11	122.270	8.829	122.390	16.11	125.330	1742	124.095	613.6	123.630	322.9	123.290	220.0 *
12	122.280	9.514	122.350	13.69	126.580	4017	124.060	610.8	123.570	278.4	123.320	236.5
13	122.210	5.407	122.380	15.58	126.175	3100	124.010	562.5 *	123.470	231.9	123.150	191.9
14	122.310	10.52	122.390	16.30	125.870	2649	124.070	623.1	123.800	445.3 *	122.910	90.58
15	122.295	9.959	122.370	14.00	125.850	2227 *	124.110	669.0	123.770	379.9	122.890	80.02
16	122.260	7.407 *	122.360	13.75	127.670	6076	124.150	648.7 *	123.860	416.8	122.350	13.90 #
17	122.150	2.312 *	122.370	15.23	127.830	6422	124.115	659.0	123.780	384.2	123.190	162.1
18	122.290	10.02	122.480	27.13 #	128.010	6808	124.100	639.8	123.770	429.7 *	122.990	125.6 *
19	122.330	11.48	122.610	45.05 #	127.780	6311	124.050	585.7	123.770	429.7 *	122.900	85.00
20	122.240	7.023	123.460	357.7	127.620	5968	124.110	653.5	123.790	388.2	123.110	139.1
21	122.230	6.798	124.010	548.2	126.565	3812	124.060	592.5 *	123.770	429.7 *	123.070	148.1 *
22	122.210	5.825	124.130	600.0	125.170	1476 *	124.040	582.3	123.780	384.2	123.110	139.1
23	122.120	1.441 #	124.365	750.1	124.210	486.7	124.040	580.4 *	123.740	367.8	122.990	125.6 *
24	122.060	0.000	125.490	1956	124.500	791.7	124.110	636.3	123.750	372.2	122.950	100.8
25	121.980	0.000	125.780	2383	124.165	515.4	124.130	643.5	123.740	367.8	122.900	102.6 *
26	121.900	0.000	124.135	619.3	124.240	707.5 *	124.110	637.7	123.750	372.2	122.860	75.35
27		0.000	125.545	2288	124.420	847.8	124.265	774.6	123.930	447.0	122.920	91.00
28		0.000	125.325	1885	124.280	667.0	124.320	810.7	123.860	477.3 *	122.840	70.12
29		0.000	125.280	1850	123.885	459.5	124.260	789.5	123.875	458.6	122.860	75.35
30		0.000	124.500	1000	123.360	245.0	123.940	521.8 *	123.890	480.1	122.970	96.00
31			124.135	659.1	123.850	404.8			123.870	456.0		
Ten-Daily Mean												
I Ten-Daily	122.223	8.279	122.423	19.22	123.891	534.9	123.781	429.4	123.502	320.8	123.085	158.7
II Ten-Daily	122.264	8.248	122.516	53.45	126.871	4532	124.087	626.6	123.721	370.7	123.010	134.5
III Ten-Daily	122.083	1.406	124.790	1322	124.422	946.7	124.127	656.9	123.814	419.4	122.947	102.4
Monthly												
Min.	121.900	0.000	122.350	0.000	123.360	245.0	123.320	244.6	123.070	148.1	122.350	13.90
Max.	122.550	36.19	125.780	2383	128.010	6808	124.320	810.7	124.090	610.9	123.740	383.0
Mean	122.206	5.978	123.353	492.4	125.041	1970	123.998	571	123.683	371.9	123.014	131.9

Annual Runoff in MCM = 10759 Annual Runoff in mm = 202

Peak Observed Discharge = 6808 cumecs on 18-08-2018 Corres. Water Level :128.01 m

Lowest Observed Discharge = 0.000 cumecs on 01-06-2018 Corres. Water Level :121.9 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Kodumudi (CC00017)

Division : SR Division, Coimbatore

Local River : Cauvery

Sub-Division : Lower Cauvery SD, Trichi

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	123.070	127.7	123.380	221.8	122.450	13.86	122.840	69.60	122.400	13.88	122.300	10.69
2	122.990	105.0 *	123.380	221.8	122.450	13.65	122.780	57.80	123.250	181.2	122.290	9.914
3	122.950	92.99	123.360	216.1	122.450	15.68 *	122.690	38.92 *	123.220	168.4	122.265	8.479
4	123.140	148.5	123.330	207.8	122.390	11.52	122.670	35.85	123.180	158.1	122.260	8.393
5	123.220	170.1	123.350	213.4	122.440	18.17	122.430	14.15	123.170	155.3	122.260	7.329 *
6	123.250	181.3	123.350	211.6 *	122.470	18.17	122.400	13.19	123.140	148.1	122.240	7.658
7	123.250	181.3	123.530	260.6	122.450	15.60	122.390	12.52	123.140	146.1 *	122.250	8.076
8	123.240	178.3	123.550	267.3	122.440	14.84	122.390	12.35	123.110	139.1	122.230	7.308
9	123.320	201.7 *	123.530	260.6	122.400	12.92	122.650	31.92	123.040	121.1	122.190	4.906
10	123.240	178.3	123.510	254.7	122.400	13.26 *	122.450	15.68 *	123.020	115.7	122.140	3.479
11	123.510	252.9	123.510	254.7	122.420	13.68	122.430	14.24	122.840	66.90	122.140	3.370
12	123.540	259.9	123.530	260.6	122.390	12.35	122.450	15.35	122.680	37.60	122.130	3.372 *
13	123.480	243.8	123.510	267.0 *	122.410	12.80	122.430	14.15	122.770	54.90	122.130	3.219
14	123.510	252.9	123.190	161.5	122.380	11.83	122.440	14.98	122.670	35.39 *	122.550	19.40
15	123.685	302.4	123.190	160.9 *	122.400	12.78	122.410	13.49	122.250	7.499	122.570	21.49
16	123.680	331.0 *	123.220	169.2	122.410	13.44	122.390	12.53	122.220	6.081	122.570	21.49
17	123.695	327.9	123.040	118.3	122.410	13.73 *	122.390	12.80 *	122.220	5.882 *	122.550	19.40
18	123.675	333.1	123.090	132.6	122.230	5.438	122.420	13.62	122.170	4.246 *	122.570	21.96 *
19	123.720	357.9	122.890	80.63	122.130	2.421	122.380	12.35	122.140	3.363 *	122.550	20.90 *
20	123.850	480.1	122.790	58.33 *	122.120	2.269	122.370	11.89	122.250	7.438	122.210	6.457
21	123.845	472.2	122.710	44.52	122.090	2.068 #	122.340	11.15	122.250	6.956 *	122.270	8.558
22	123.820	442.8	122.690	39.07	122.230	5.410	122.260	7.906	122.660	33.18	122.530	17.60
23	123.820	387.3 *	122.410	11.81	122.170	3.585	122.240	7.444	122.630	27.91	122.280	9.185
24	123.670	295.7	122.700	41.62	122.450	15.68 *	122.260	7.329 *	122.620	26.32	122.240	7.573
25	123.670	327.1 *	122.430	12.79	122.425	13.92	122.270	8.030	122.440	16.01	122.230	7.353
26	123.350	213.4	123.040	118.2 *	122.400	12.79	122.270	8.158	122.440	15.79	122.230	6.586 *
27	123.360	216.1	123.020	112.8 *	122.375	11.32	122.250	7.635	122.350	11.68	122.230	7.164
28	123.410	227.1	123.020	113.2	122.690	39.07	122.230	7.204	122.330	9.712 *	122.130	3.104
29	123.360	216.1	122.350	9.602			122.230	7.136	122.290	9.701	122.130	3.067
30	123.360	214.9 *	122.225	5.211			122.240	7.295	122.275	9.997	122.110	2.702
31	123.360	216.1	122.390	12.15			122.230	6.233 *			122.400	14.28
Ten-Daily Mean												
I Ten-Daily	123.167	156.5	123.427	233.6	122.434	14.77	122.569	30.20	123.067	134.7	122.242	7.623
II Ten-Daily	123.634	314.2	123.196	166.4	122.330	10.07	122.411	13.54	122.421	22.93	122.397	14.11
III Ten-Daily	123.548	293.5	122.635	47.36	122.354	12.98	122.256	7.775	122.429	16.73	122.253	7.924
Monthly												
Min.	122.950	92.99	122.225	5.211	122.090	2.068	122.230	6.233	122.140	3.363	122.110	2.702
Max.	123.850	480.1	123.550	267.3	122.690	39.07	122.840	69.60	123.250	181.2	122.570	21.96
Mean	123.453	256	123.071	145.8	122.374	12.58	122.407	16.87	122.639	58.12	122.296	9.821

Peak Computed Discharge = 2227 cumecs on 15-08-2018

Corres. Water Level :125.85 m

Lowest Computed Discharge = 0.980 cumecs on 03-06-2018

Corres. Water Level :122.1 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

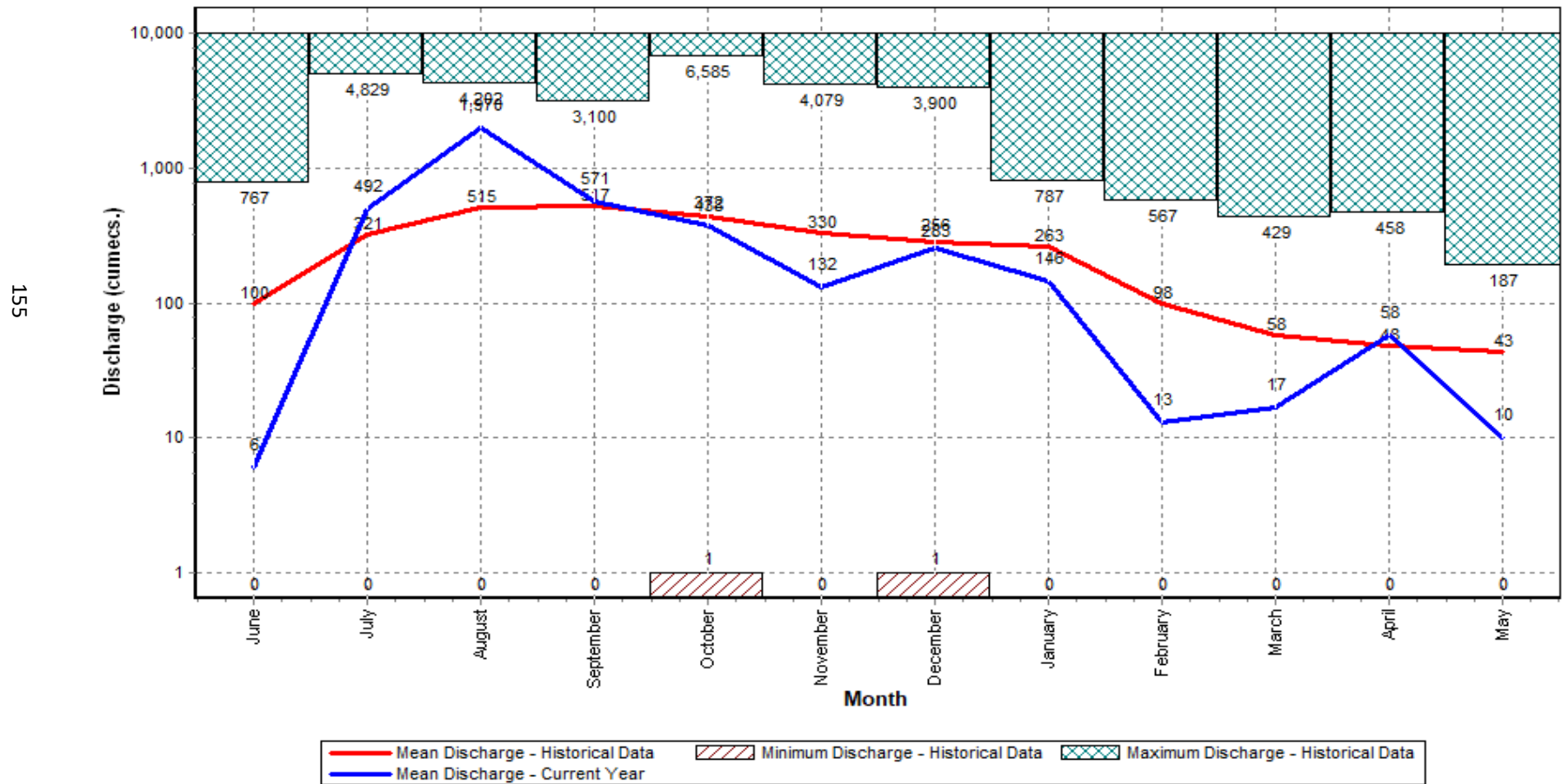
Station Name : Kodumudi (CC00017)

Data considered : 1972-2019

Division : SR Division, Coimbatore

Local River : Cauvery

Sub-Division : Lower Cauvery SD, Trichi



Annual Runoff Values for the period: 1972 - 2019

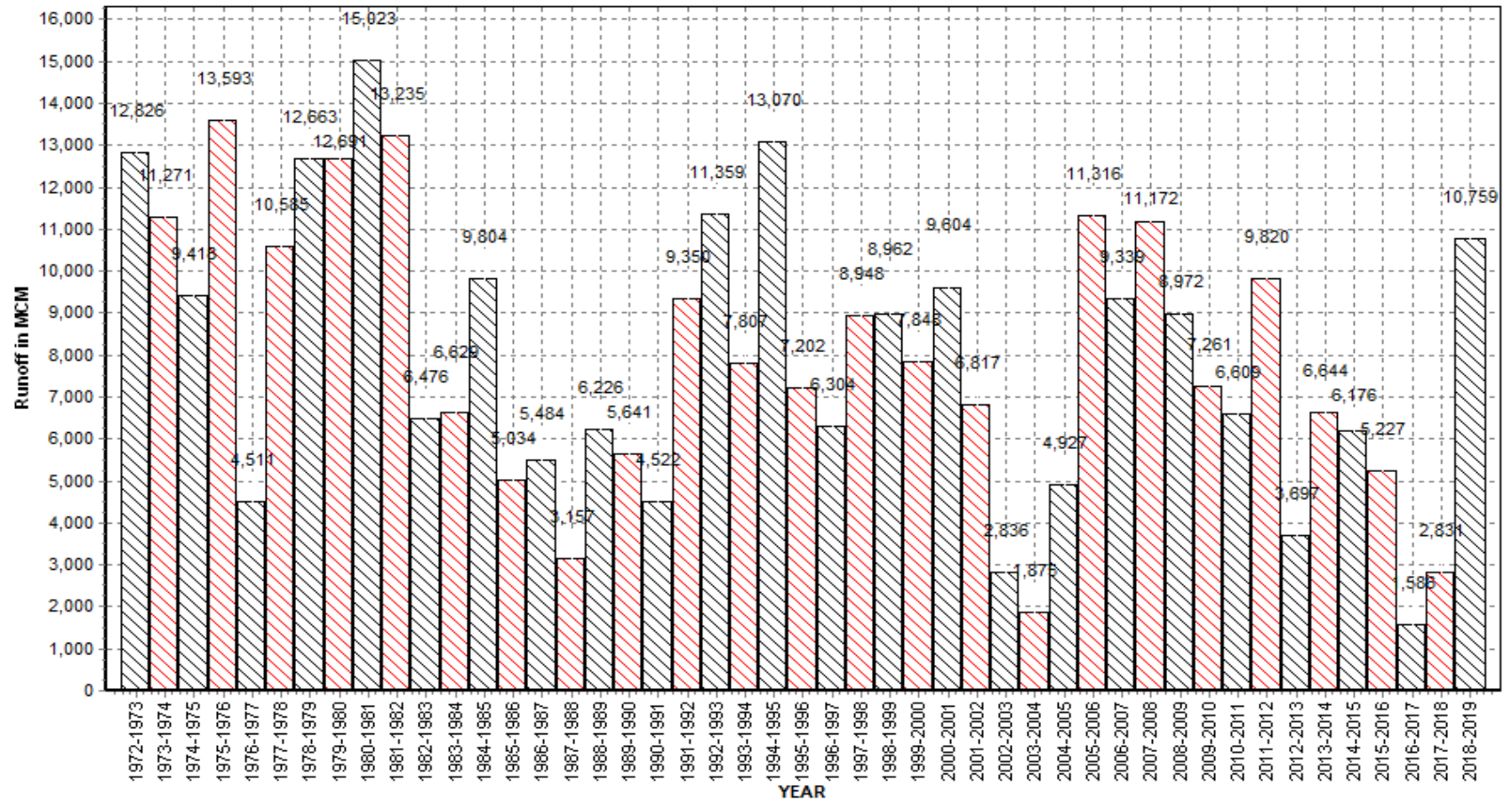
Station Name : Kodumudi (CC00017)

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi

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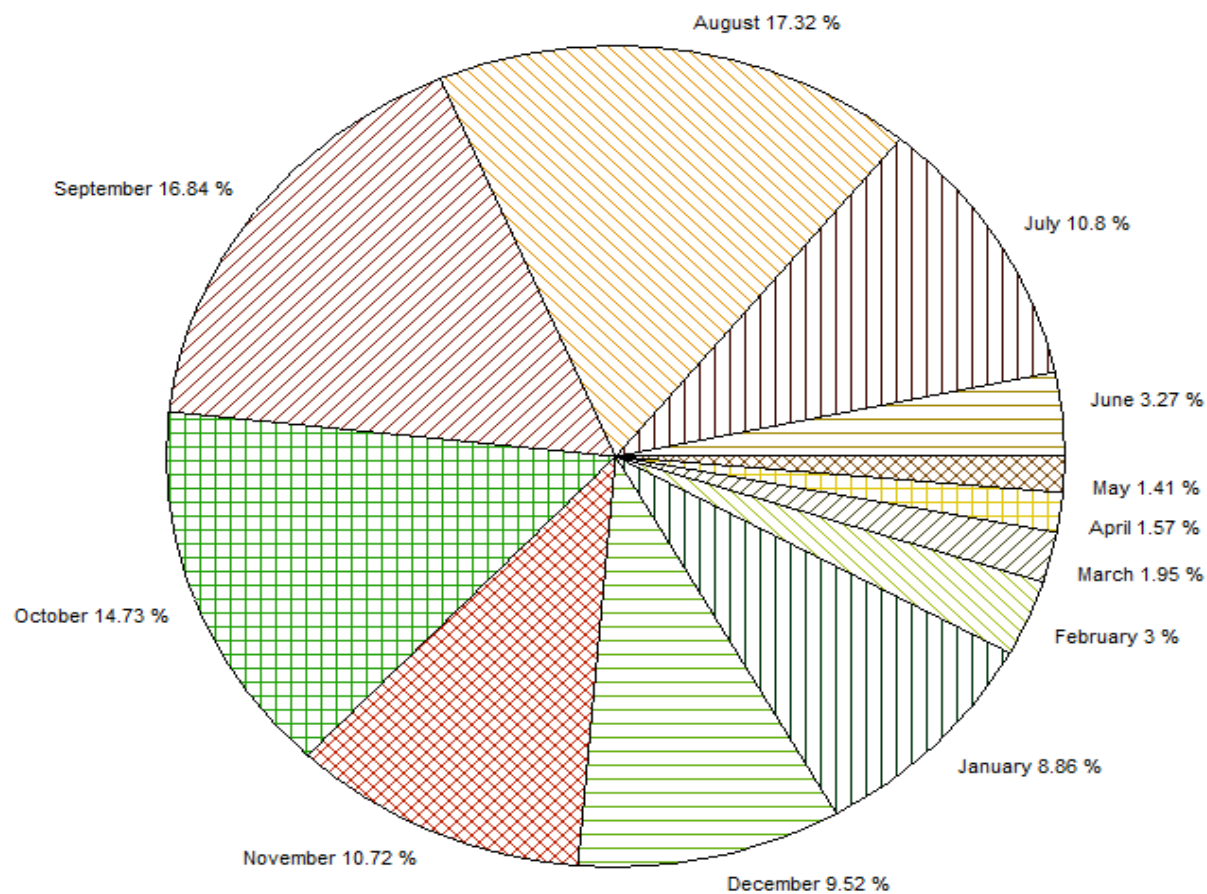


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Kodumudi (CC00017)
Local River : Cauvery

Monthly Average Runoff based on period : 1972-2018

Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichi

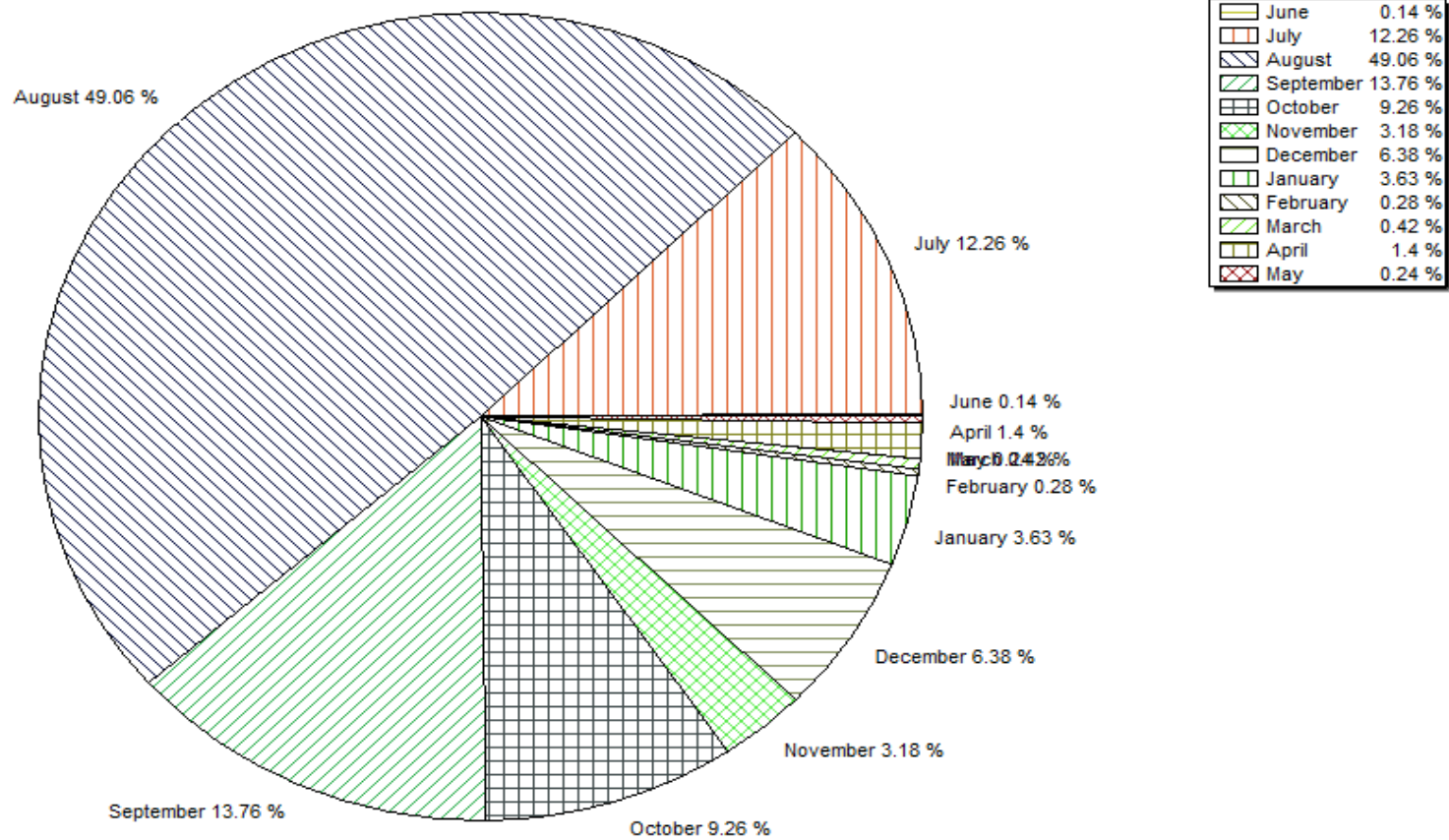


June	3.27 %
July	10.8 %
August	17.32 %
September	16.84 %
October	14.73 %
November	10.72 %
December	9.52 %
January	8.86 %
February	3 %
March	1.95 %
April	1.57 %
May	1.41 %

Station Name : Kodumudi (CC00017)
Local River : Cauvery

Monthly Runoff for the Year : 2018-2019

Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichi

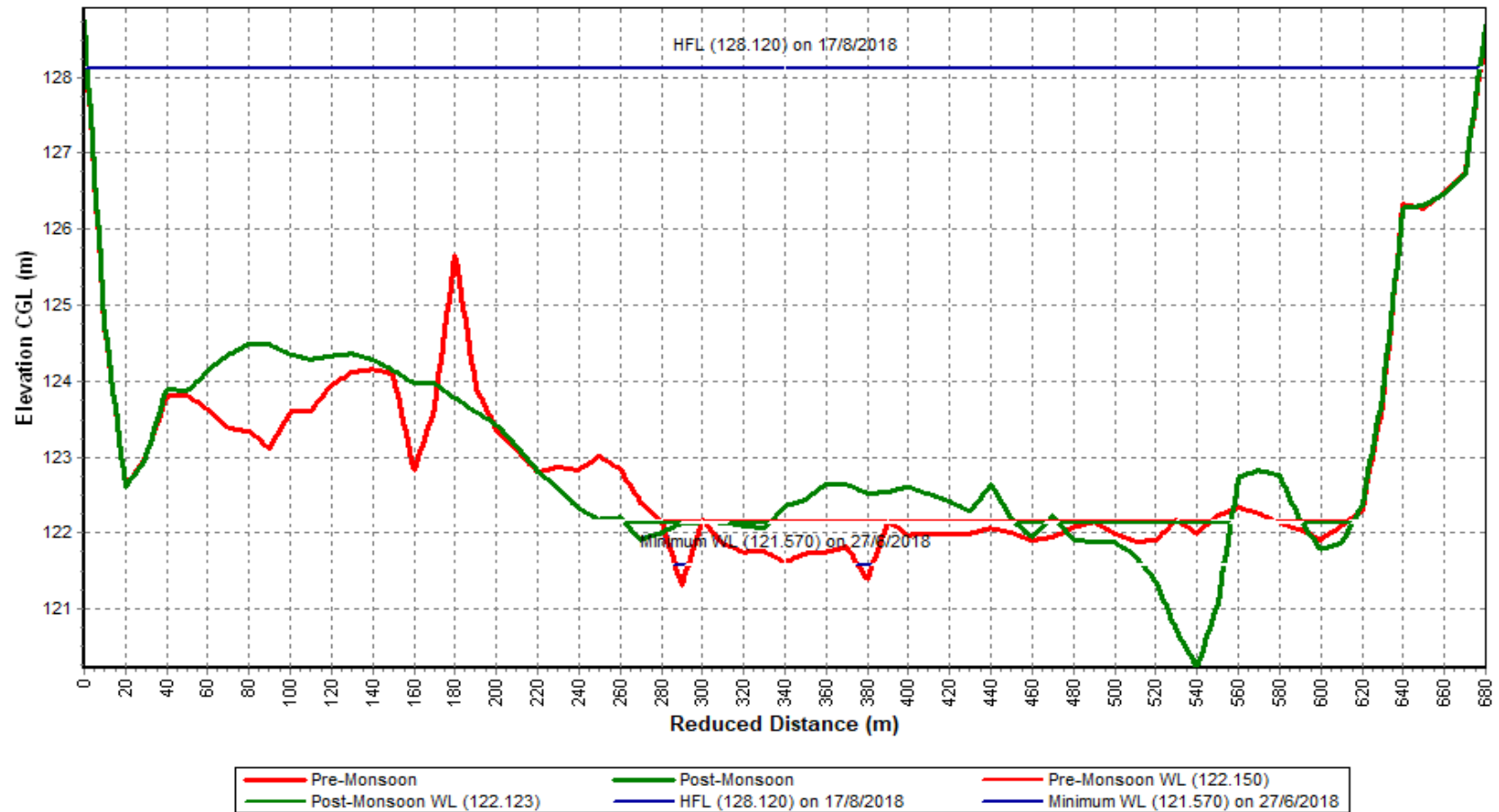


Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : Kodumudi (CC00017)
Local River : Cauvery

Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichi

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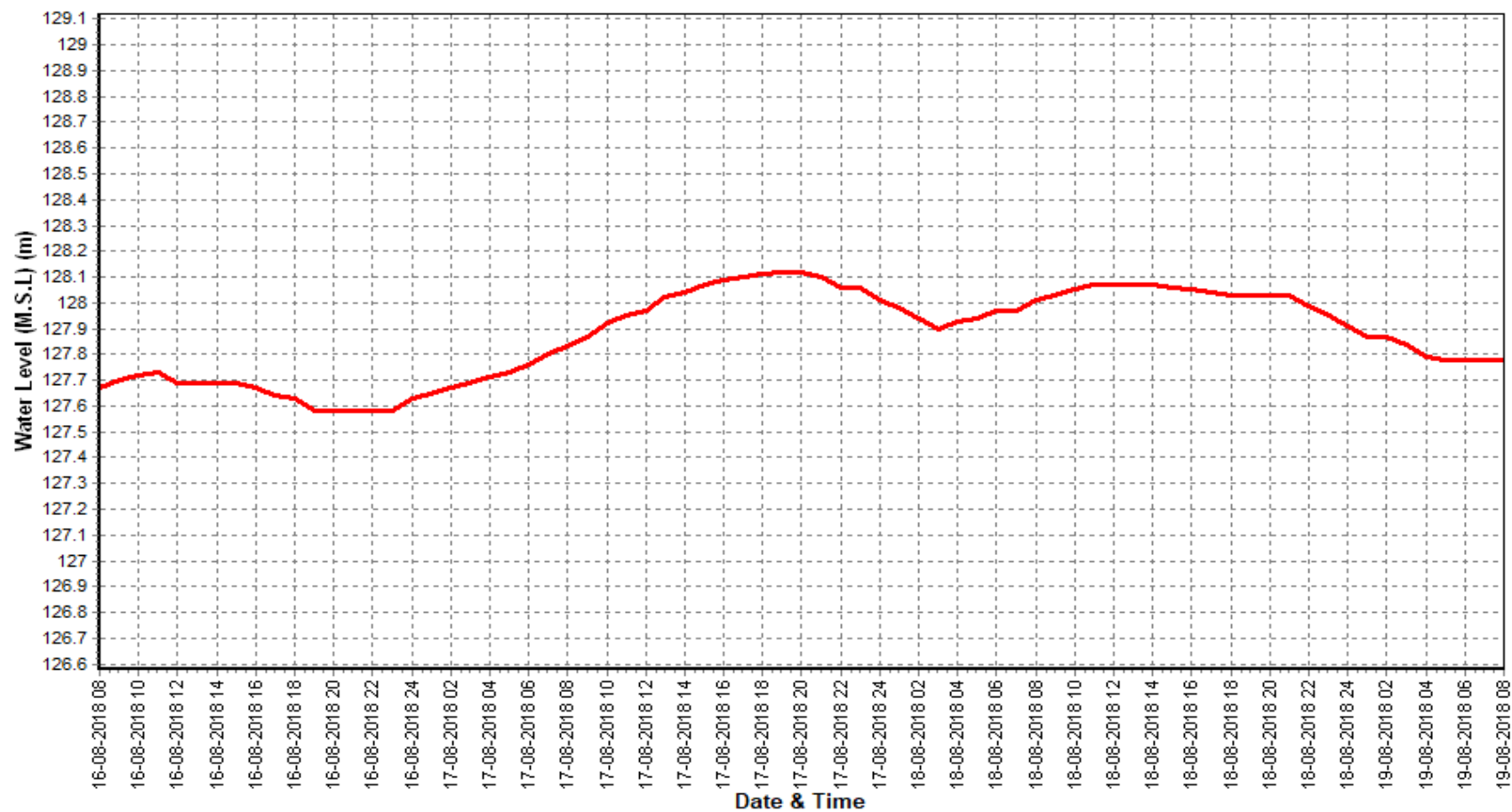
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : Kodumudi (CC00017)

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi



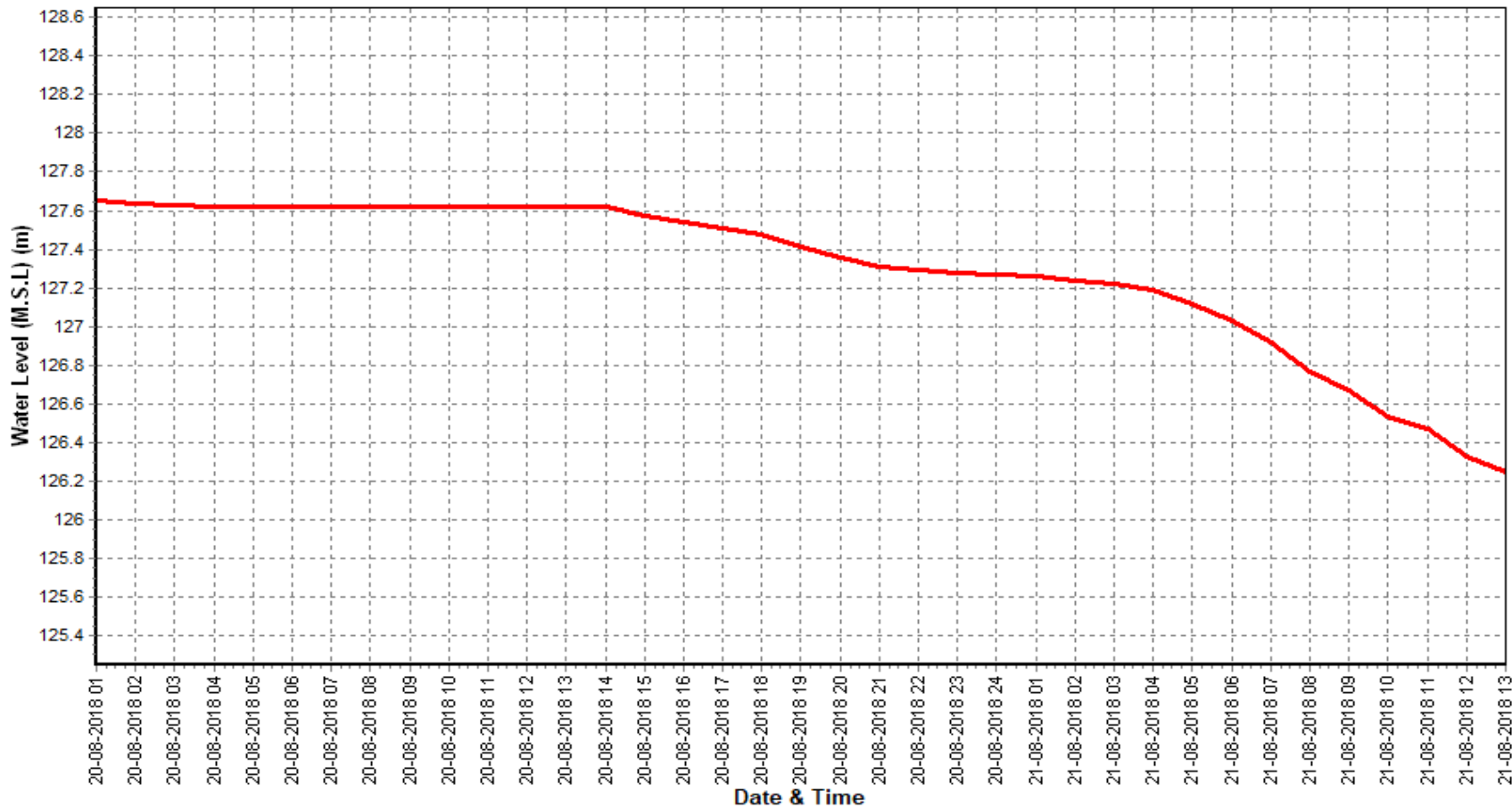
Time Span: 72 Hrs

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : Kodumudi (CC00017)
Local River : Cauvery

Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichi

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Time Span: 72 Hrs

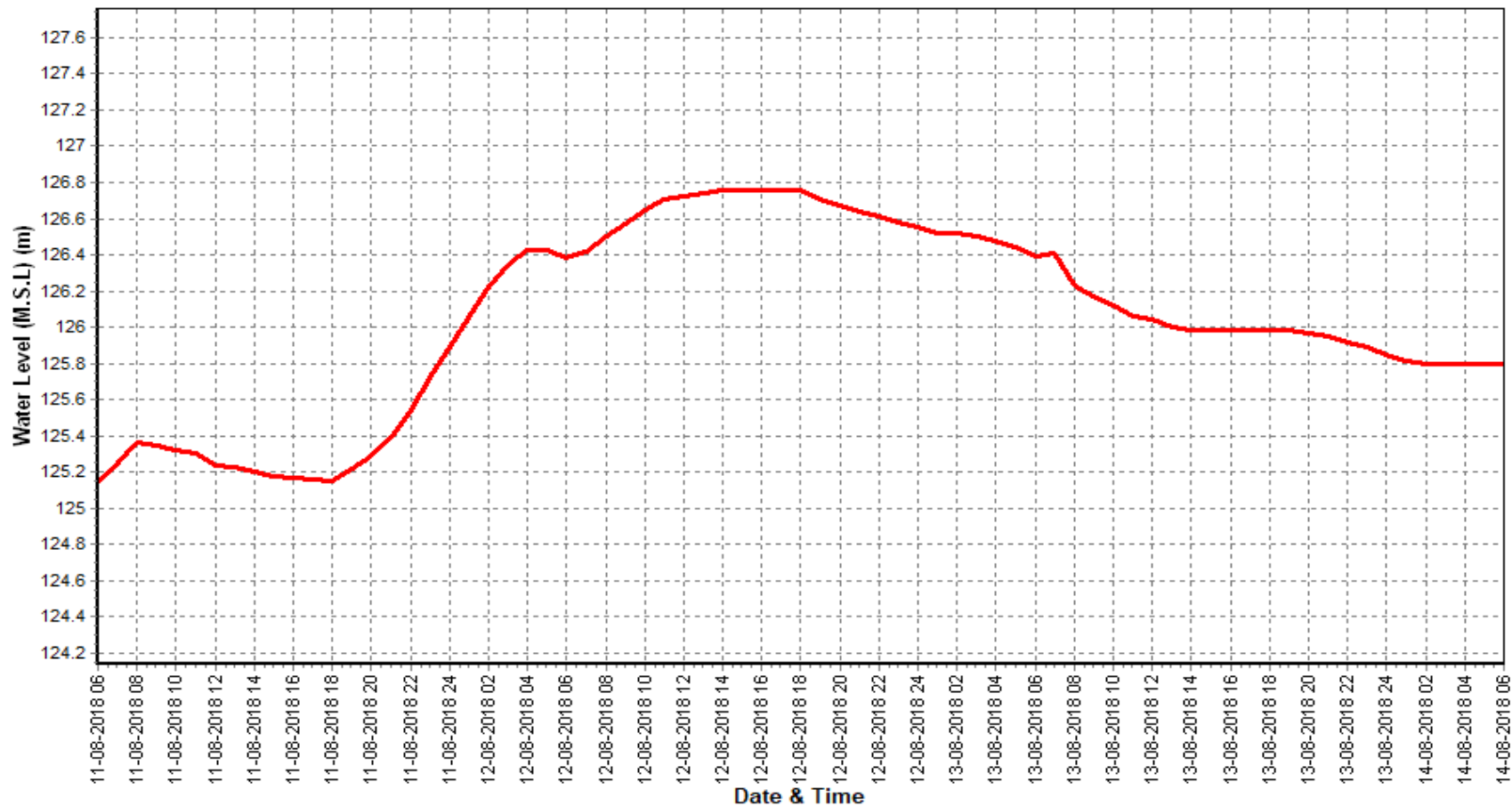
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : Kodumudi (CC00017)

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi



Time Span: 72 Hrs

HISTORY SHEET

		Water Year	: 2018-2019
Site	: KOTTATHARA	Code	: KOTTATHARA
State	: Kerala	District	Palghat
Basin	: Cauvery	Independent River	: Cauvery
Tributary	: Bhavani	Sub Tributary	: -
Sub-Sub Tributary	: -	Local River	: SIRUVANI
Division	: SR Division, Coimbatore	Sub-Division	: Middle Cauvery SD, Coimbatore
Drainage Area	: 130 Sq. Km.	Bank	: Left
Latitude	: 11°07'23"	Longitude	: 76°40'46"
Zero of Gauge (m)	: 288.000(Arb)	01.05.2018	
	Opening Date	Closing Date	
Gauge	: 31-01-2017		
Discharge	: 26-03-2019		
Sediment	:		
Water Quality	:		

Stage-Discharge Data for the period 2018 - 2019

Station Name : KOTTATHARA (KOTTATHARA)

Division : SR Division, Coimbatore

Local River : SIRUVANI

Sub-Division : Middle Cauvery SD, Coimbatore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1												
2												
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28												
29												
30												
31												
<u>Ten-Daily Mean</u>												
I Ten-Daily												
II Ten-Daily												
III Ten-Daily												
<u>Monthly</u>												
Min.												
Max.												
Mean												

Annual Runoff in MCM = 3 Annual Runoff in mm = 20

Peak Observed Discharge = 2.640 cumecs on 23-04-2019 Corres. Water Level :289.46 m

Lowest Observed Discharge = 0.000 cumecs on 02-03-2019 Corres. Water Level :0 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : KOTTATHARA (KOTTATHARA)

Division : SR Division, Coimbatore

Local River : SIRUVANI

Sub-Division : Middle Cauvery SD, Coimbatore

Day	Dec		Jan		Feb		Mar		Apr		May	
	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1									289.225	0.221	289.280	0.539
2									289.245	0.290	289.260	0.416
3									289.255	0.306	289.270	0.510
4									289.235	0.269	289.250	0.335
5									289.245	0.295	289.230	0.251 *
6									289.240	0.294	289.240	0.271
7									289.245	0.326 *	289.220	0.229
8									289.255	0.373	289.250	0.347
9									289.250	0.356	289.250	0.322
10									289.250	0.347	289.250	0.323
11									289.240	0.298	289.240	0.276
12									289.240	0.298	289.250	0.353 *
13									289.230	0.277	289.270	0.534
14									289.230	0.251 *	289.260	0.412
15									289.250	0.343	289.240	0.278
16									289.250	0.360	289.320	1.076
17									289.250	0.353 *	289.310	0.871
18									289.290	0.622 *	289.300	0.703 *
19									289.280	0.547 *	289.300	0.703 *
20									289.300	0.546	289.290	0.608
21									289.240	0.300 *	289.250	0.443
22									289.330	0.960	289.250	0.376
23									289.460	2.640	289.240	0.311
24									289.330	1.225	289.240	0.300 #
25									289.300	0.704	289.240	0.316 *
26							289.225	0.183	289.290	0.604	289.240	0.300 *
27							289.245	0.229	289.290	0.607	289.220	0.246
28							289.235	0.281	289.290	0.622 *	289.080	0.000
29							289.235	0.268	289.270	0.523	289.130	0.008 #
30							289.255	0.315	289.270	0.527	289.190	0.104 #
31							289.245	0.291			289.290	0.622 #
<u>Ten-Daily Mean</u>												
I Ten-Daily							28.923	0.018	289.244	0.308	289.250	0.354
II Ten-Daily							0.000	0.000	289.256	0.390	289.278	0.581
III Ten-Daily							157.767	0.142	289.307	0.871	289.215	0.275
<u>Monthly</u>												
Min.							0.000	0.000	289.225	0.221	289.080	0.000
Max.							289.255	0.315	289.460	2.640	289.320	1.076
Mean							65.312	0.056	289.269	0.523	289.247	0.399

Peak Computed Discharge = 0.703 cumecs on 18-05-2019

Corres. Water Level :289.3 m

Lowest Computed Discharge = 0.251 cumecs on 14-04-2019

Corres. Water Level :289.23 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

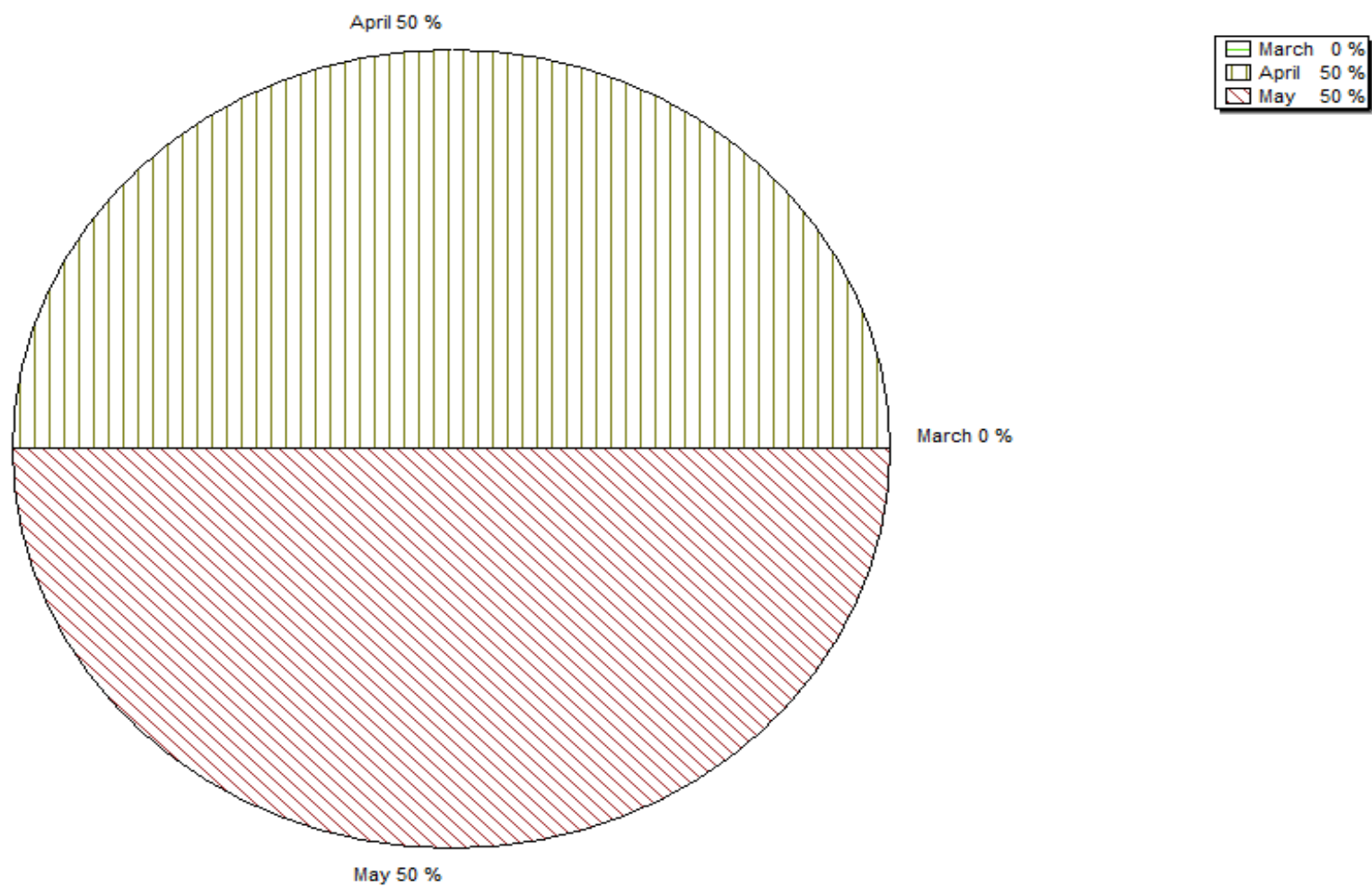
#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Station Name : KOTTATHARA (KOTTATHARA)
Local River : SIRUVANI

Monthly Runoff for the Year : 2018-2019

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



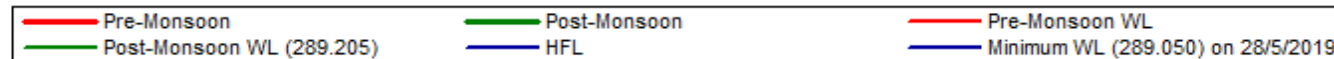
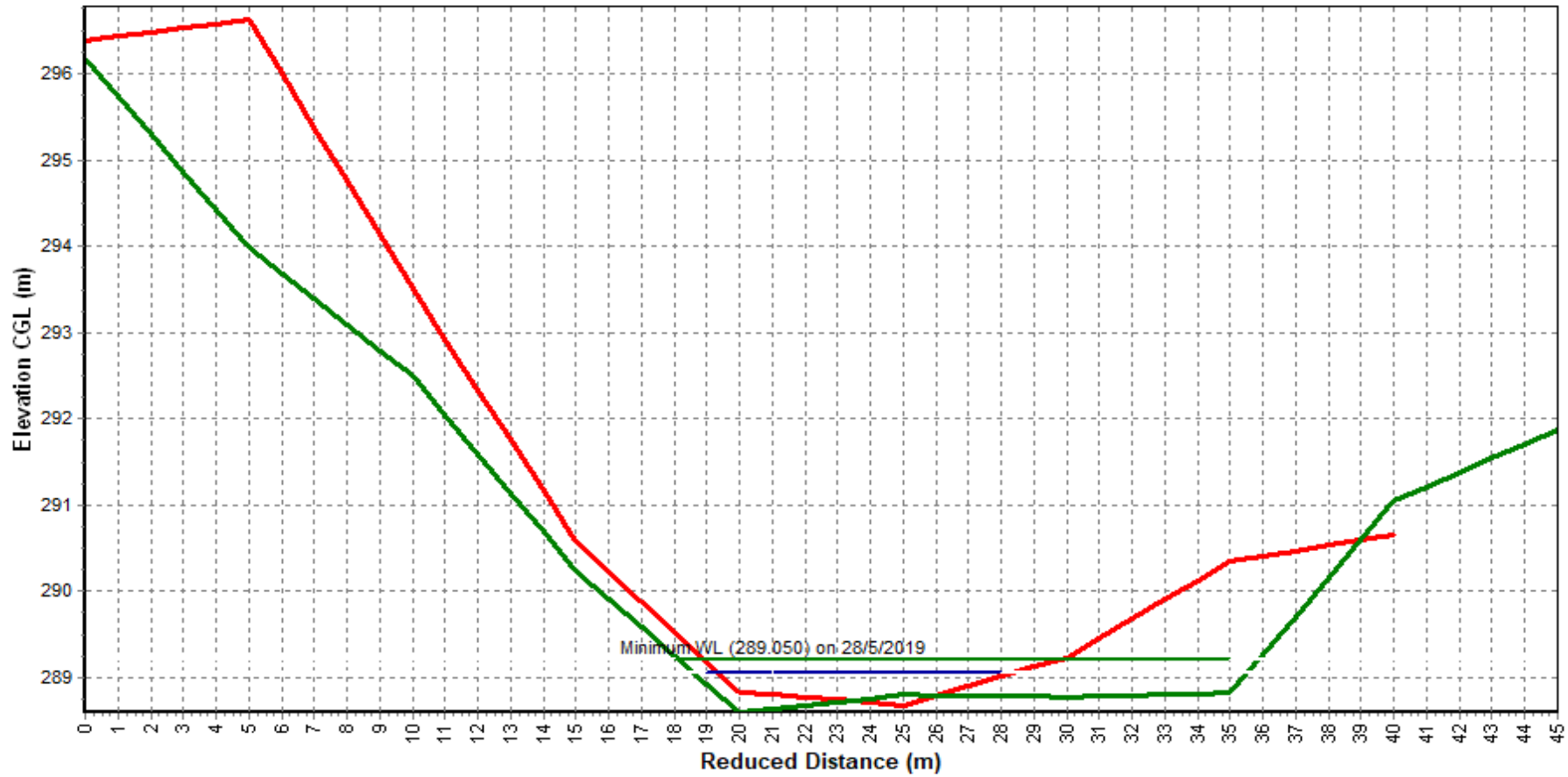
Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : KOTTATHARA (KOTTATHARA)

Local River : SIRUVANI

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore



HISTORY SHEET

Water Year : 2018-2019

Site : SAVANDAPUR

Code : CCG00E3

State : Tamil Nadu

District : Erode

Basin : Cauvery

Independent River : Cauvery

Tributary : Bhavani

Sub Tributary :

Sub-Sub Tributary :

Local River : Bhavani

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

Drainage Area : 5776 Sq. Km.

Bank : Right

Latitude : 11°31'17"

Longitude : 77°30'36"

Zero of Gauge (m) : 180.000 (m.s.l)
179.000 (m.s.l)25-06-77 - 31-05-85
01-06-85

Opening Date

Closing Date

Gauge : 25-06-77

Discharge : 17-07-78

Sediment : 24-04-79

Water Quality : 02-04-79

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1978-1979	1425	186.850	05-11-78	5.000	181.620	01-06-78
1979-1980	1446	186.878	20-11-79	6.200	181.550	18-02-80
1980-1981	668.2	184.895	04-07-80	3.400	181.460	13-05-81
1981-1982	248.8	183.335	03-08-81	4.700	181.450	19-04-82
1982-1983	220.6	183.280	06-08-82	0.300	181.305	01-05-83
1983-1984	220.7	183.185	03-11-83	0.400	181.280	06-06-83
1984-1985	171.0	183.360	04-10-84	1.500	181.405	14-05-85
1985-1986	215.9	182.760	27-12-85	1.400	180.720	07-05-86
1986-1987	48.90	181.480	13-10-86	0.500	180.600	11-05-87
1987-1988	225.5	182.718	29-02-88	2.697	180.705	09-06-87
1988-1989	55.81	181.580	14-09-88	1.861	180.695	11-05-89
1989-1990	76.00	181.760	03-09-89	3.000	180.740	13-05-90
1990-1991	103.4	182.027	14-10-90	1.120	180.635	17-05-91
1991-1992	123.1	182.057	09-11-91	0.687	180.640	18-04-92
1992-1993	839.6	184.450	17-11-92	9.173	180.912	26-09-92
1993-1994	117.8	182.050	13-02-94	8.394	180.775	11-06-93
1994-1995	442.7	183.570	07-11-94	6.960	180.830	24-08-94
1995-1996	135.0	182.570	27-12-95	0.479	180.380	13-05-96
1996-1997	59.13	181.600	15-10-96	4.974	180.710	03-06-96
1997-1998	88.62	181.995	31-10-97	6.624	180.700	11-03-98

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

1998-1999	125.5	182.080	08-11-98	8.300	180.790	01-05-99
1999-2000	98.70	182.100	23-11-99	0.723	180.320	17-05-00
2000-2001	119.0	182.450	01-12-00	4.644	180.600	19-04-01
2001-2002	32.58	181.200	26-10-01	0.590	180.280	11-04-02
2002-2003	75.34	181.640	28-10-02	0.217	180.260	17-04-03
2003-2004	318.9	183.100	18-01-04	0.000	Dry Bed	20-09-03
2004-2005	39.85	181.410	01-02-05	0.479	180.300	17-06-04
2005-2006	290.2	183.030	26-11-05	3.824	180.590	08-03-06
2006-2007	577.8	183.840	05-07-06	4.268	180.600	02-05-07
2007-2008	109.6	182.200	15-08-07	4.609	180.610	15-02-08
2008-2009	75.00	181.690	21-10-08	4.298	180.790	20-03-09
2009-2010	107.2	182.750	13-10-09	2.242	180.820	27-05-10
2010-2011	489.6	183.342	10-11-10	3.809	180.820	29-04-11
2011-2012	171.9	182.600	07-11-11	2.771	180.730	06-05-12
2012-2013	101.3	182.080	19-02-13	1.242	180.640	24-02-13
2013-2014	90.57	181.920	17-10-13	1.235	180.680	13-02-14
2014-2015	497.9	183.320	28-10-14	1.313	180.620	26-05-15
2015-2016	138.0	182.150	12-10-15	2.302	180.700	25-05-16
2016-2017	25.96	181.190	19-08-16	0.323	180.570	17-01-17
2017-2018	27.07	181.220	02-07-17	1.145	180.640	18-06-17

Stage-Discharge Data for the period 2018 - 2019

Station Name : SAVANDAPUR (CCG00E3)

Division : SR Division, Coimbatore

Local River : Bhavani

Sub-Division : Middle Cauvery SD, Coimbatore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	180.740	3.293	180.750	3.029 *	181.260	29.41	181.320	34.66	181.220	26.42	181.500	49.87
2	180.720	2.890	180.790	3.614	181.160	23.04	181.290	32.46 *	181.140	21.53 *	181.400	40.95
3	180.700	1.798 *	180.790	3.727	181.160	23.04	181.270	30.11	181.070	16.65	181.380	39.24
4	180.760	3.466	180.830	5.157	181.150	22.34	181.220	26.42	181.130	24.13	181.300	33.26 *
5	180.750	3.274	180.790	3.799	181.200	25.66 *	181.200	25.52	181.190	24.74	181.220	26.42
6	180.800	4.859	180.760	3.109	181.160	23.04	181.180	23.94	181.180	23.94	181.120	20.22 *
7	180.800	4.914	180.760	3.242	181.230	27.05	181.120	19.68	181.850	90.14 *	181.080	17.39
8	180.800	4.742	180.760	3.309 *	181.220	26.42	181.090	17.82	181.950	105.3	180.930	10.83
9	180.780	3.838	180.760	3.120	181.240	27.75	181.090	18.33 *	181.820	85.94	180.920	10.39
10	180.780	3.902 *	180.730	2.707	181.360	37.71	181.100	18.54	181.650	64.91	181.150	22.34
11	180.800	4.758	180.730	2.711	181.270	30.11	181.300	33.32	182.270	165.2	181.200	25.66 *
12	180.760	3.344	180.760	3.156	181.240	28.59 *	181.200	25.52	181.300	33.32	181.030	14.49
13	180.760	3.447	180.820	4.754	181.260	29.41	181.050	15.95 *	181.240	27.75	180.970	12.89
14	180.800	4.399	180.950	10.82	181.240	27.75	181.000	13.08	182.410	172.6 *	180.910	9.873
15	180.820	5.458	180.940	10.16 *	181.270	30.89 *	181.350	36.86	182.000	112.4	180.880	8.542
16	180.820	5.218 *	180.920	8.728	185.250	996.9	181.280	31.67 *	181.380	39.24	181.070	16.65
17	180.800	4.539 *	180.870	6.830	187.750	1845	181.020	13.95	181.630	62.27	181.250	28.54
18	180.800	4.586	180.800	4.946	186.500	1425	180.920	10.02	181.130	20.87 *	181.030	14.81 *
19	180.780	3.380	180.980	12.04	183.500	398.2 *	180.920	10.30	181.090	18.33 *	181.240	27.75
20	180.800	4.536	181.040	15.15	182.200	154.0	181.040	15.15	181.130	20.52	181.190	24.74
21	180.790	3.885	181.050	15.57	182.250	166.7	181.100	18.95 *	181.200	25.66 *	181.130	20.87 *
22	180.800	4.232	181.180	24.24 *	181.700	72.18 *	181.090	17.82	181.440	44.13	181.070	16.65
23	180.790	3.818	181.110	19.11	181.650	64.91	181.070	17.12 *	181.350	36.86	181.270	30.88 *
24	180.790	4.215 *	181.230	27.05	182.050	129.2	181.450	45.03	181.390	40.26	181.100	18.54
25	180.770	3.480	181.250	28.56	181.650	64.91	181.300	33.32	181.240	27.75	181.080	17.72 *
26	180.750	3.119	181.280	35.43	181.460	45.00	181.010	13.47	181.150	22.34	181.050	15.57
27	180.750	3.055	181.260	29.41	181.000	13.08	181.950	105.3	181.130	20.52	181.030	14.49
28	180.750	3.096	181.160	23.04	181.000	13.08	181.650	64.91	181.130	20.87 *	181.020	13.95
29	180.760	3.207	181.270	30.88 *	181.380	39.24	183.500	452.2	181.100	18.54	181.010	13.47
30	180.750	3.082	181.190	24.74	181.460	45.46	181.530	54.01 *	181.110	19.11	181.030	14.49
31			181.150	22.34	181.300	33.32			181.100	18.54		
Ten-Daily Mean												
I Ten-Daily	180.763	3.698	180.772	3.481	181.214	26.55	181.188	24.75	181.420	48.37	181.200	27.09
II Ten-Daily	180.794	4.367	180.881	7.930	183.148	496.6	181.108	20.58	181.558	67.25	181.077	18.39
III Ten-Daily	180.770	3.519	181.194	25.49	181.536	62.46	181.565	82.21	181.213	26.78	181.079	17.66
Monthly												
Min.	180.700	1.798	180.730	2.707	181.000	13.08	180.920	10.02	181.070	16.65	180.880	8.542
Max.	180.820	5.458	181.280	35.43	187.750	1845	183.500	452.2	182.410	172.6	181.500	49.87
Mean	180.776	3.861	180.957	12.73	181.952	190.9	181.287	42.51	181.391	46.8	181.119	21.05

Annual Runoff in MCM = 1049 Annual Runoff in mm = 182

Peak Observed Discharge = 1845 cumecs on 17-08-2018 Corres. Water Level :187.75 m

Lowest Observed Discharge = 2.707 cumecs on 10-07-2018 Corres. Water Level :180.73 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : SAVANDAPUR (CCG00E3)

Division : SR Division, Coimbatore

Local River : Bhavani

Sub-Division : Middle Cauvery SD, Coimbatore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	181.030	14.49	180.880	8.714	181.030	15.52	180.960	12.34	181.040	16.63	180.990	12.67
2	181.010	14.66 *	180.980	13.27	181.015	14.18	180.980	13.37	181.030	15.90	180.960	13.10
3	180.880	7.681	180.990	13.39	181.010	14.66 *	180.880	8.705 *	181.050	17.90	180.870	7.907
4	180.960	12.49	181.000	14.62	181.020	15.35	180.900	9.211	181.050	17.24	180.830	7.314
5	180.950	11.57	181.045	16.17	181.020	15.03	180.980	13.27	181.050	17.39	180.830	6.853 *
6	180.950	11.78	181.070	17.98 *	181.020	14.51	181.080	18.73	181.020	14.75	180.810	7.067
7	180.940	11.22	180.980	13.33	181.030	15.72	181.100	20.41	181.030	15.72 *	180.800	5.855 *
8	181.000	13.08	180.910	9.791	181.030	15.56	181.100	20.29	181.030	15.82	180.790	6.096
9	180.960	12.17 *	180.900	9.284	181.020	14.93	181.040	16.04	181.040	16.00	180.830	6.853 *
10	180.950	11.77	180.930	10.43	180.980	13.14 *	181.050	16.83 *	181.080	18.57	180.830	6.853 *
11	180.940	11.21	180.930	10.29	181.000	14.48	181.050	17.03	181.060	17.51	180.790	5.979
12	180.935	10.84	180.930	10.57	180.980	13.46	181.050	16.94	181.040	15.94	180.800	5.855 *
13	180.910	9.913	181.020	15.19 *	180.980	13.65	181.050	17.57	181.030	15.73	180.830	7.473
14	180.910	9.815	181.020	15.19	180.980	13.68	181.040	16.21	181.020	15.19 *	180.750	3.755
15	180.890	8.875	181.020	15.19 *	180.980	13.55	181.050	17.13	181.020	14.78	180.830	7.335
16	180.870	8.315 *	181.035	15.95	180.980	13.35	181.030	15.65	181.030	15.54	180.830	7.399
17	180.880	7.393	181.040	15.55	180.980	13.14 *	181.170	24.33 *	181.060	17.50	180.860	8.541
18	180.880	8.536	181.030	15.49	180.980	13.42	181.090	19.50	181.060	17.50	180.850	7.565 *
19	180.860	7.641	180.920	10.30	180.970	12.93	180.940	11.25	181.070	18.10	180.850	7.565 *
20	180.860	7.653	180.920	10.36 *	181.000	14.57	180.895	9.133	181.150	23.14	180.830	7.501
21	180.850	7.007	181.040	16.72	181.030	15.80	180.980	13.32	181.130	21.66 *	180.810	6.907
22	180.840	7.029	181.095	18.16	181.100	20.33	181.100	20.31	181.080	18.66	180.790	5.400
23	180.830	6.853 *	181.050	16.88	181.090	19.38	181.080	18.64	180.930	10.64	180.780	5.400
24	180.820	6.400	181.020	14.97	181.020	15.19 *	181.060	17.40 *	180.890	9.084	180.790	5.400
25	180.820	6.511 *	180.980	13.11	181.020	14.99	181.100	20.29	180.980	13.33	180.780	5.400
26	180.820	6.419	180.970	12.65 *	181.010	13.28	181.070	18.13	180.950	11.74	180.770	4.942 *
27	180.930	10.71	180.980	13.14 *	181.030	15.69	181.050	16.80	181.040	15.95	180.770	4.850
28	180.960	12.36	181.020	15.14	181.000	14.31	181.030	15.76	180.960	12.17 *	180.780	5.150
29	180.850	7.206	181.125	20.81			181.040	16.43	180.920	10.76	180.780	5.150
30	180.880	8.705 *	181.145	22.57			181.040	16.11	180.980	13.22	180.870	8.120
31	180.850	7.267	181.065	19.30			181.050	16.83 *			181.000	14.18
Ten-Daily Mean												
I Ten-Daily	180.963	12.09	180.969	12.70	181.018	14.86	181.007	14.92	181.042	16.59	180.854	8.058
II Ten-Daily	180.894	9.019	180.987	13.41	180.983	13.62	181.036	16.47	181.054	17.09	180.822	6.897
III Ten-Daily	180.859	7.861	181.045	16.67	181.038	16.12	181.055	17.27	180.986	13.72	180.811	6.445
Monthly												
Min.	180.820	6.400	180.880	8.714	180.970	12.93	180.880	8.705	180.890	9.084	180.750	3.755
Max.	181.030	14.66	181.145	22.57	181.100	20.33	181.170	24.33	181.150	23.14	181.000	14.18
Mean	180.904	9.599	181.001	14.34	181.011	14.78	181.033	16.26	181.027	15.8	180.828	7.111

Peak Computed Discharge = 398.2 cumecs on 19-08-2018

Corres. Water Level :183.5 m

Lowest Computed Discharge = 1.798 cumecs on 03-06-2018

Corres. Water Level :180.7 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

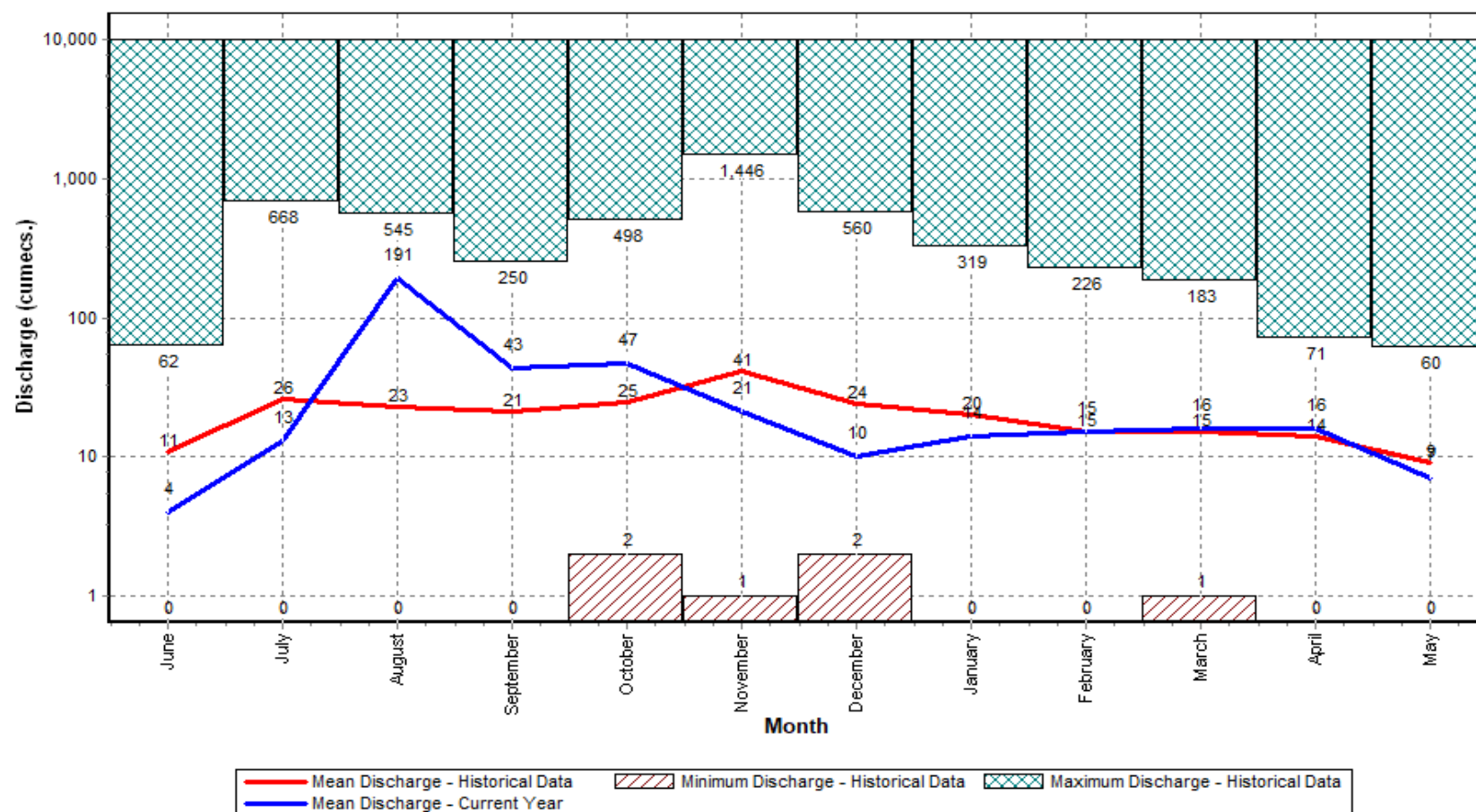
Station Name : SAVANDAPUR (CCG00E3)

Data considered : 1984-2019

Division : SR Division, Coimbatore

Local River : Bhavani

Sub-Division : Middle Cauvery SD, Coimbatore



Annual Runoff Values for the period: 1984 - 2019

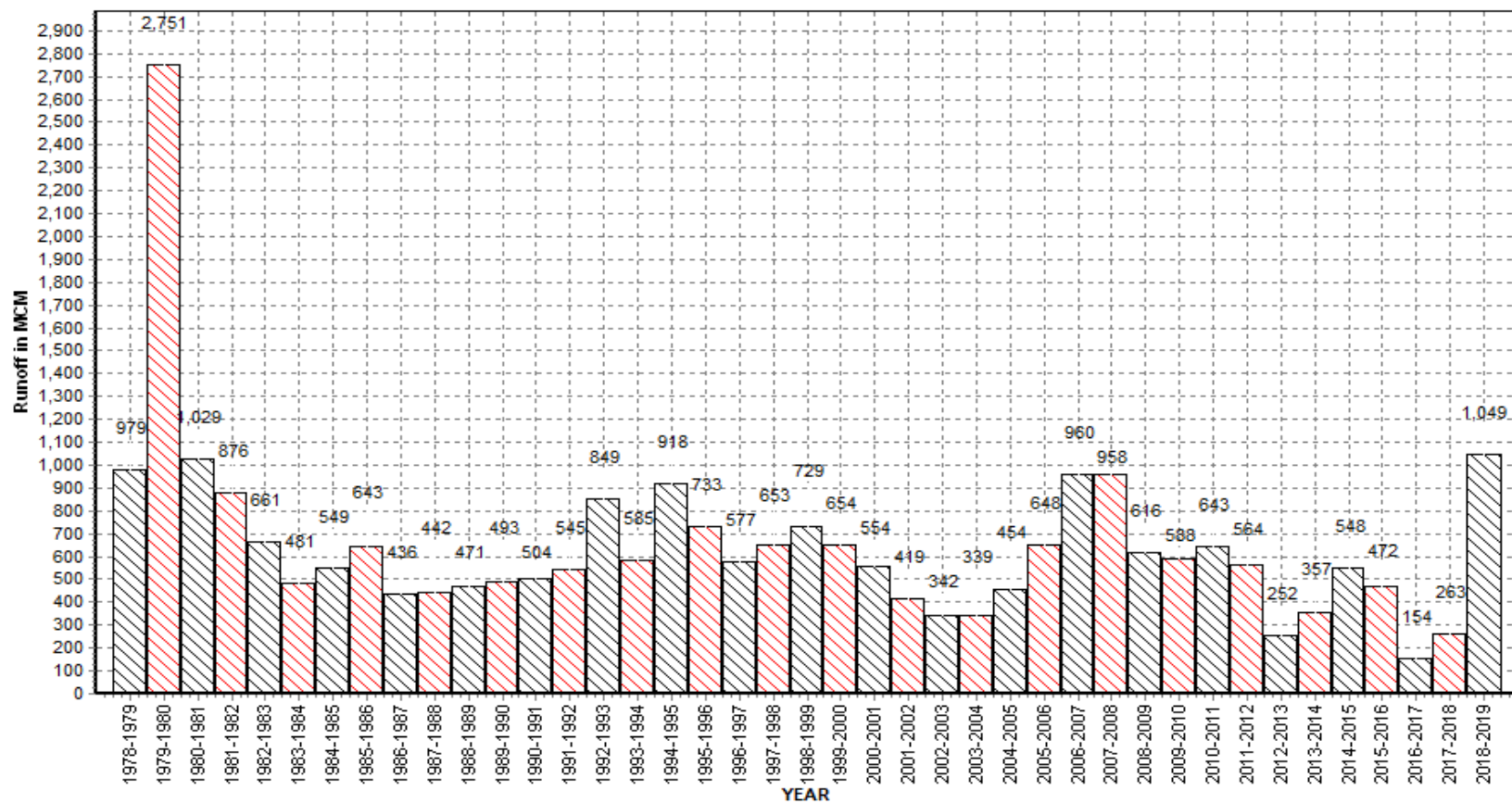
Station Name : SAVANDAPUR (CCG00E3)

Local River : Bhavani

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

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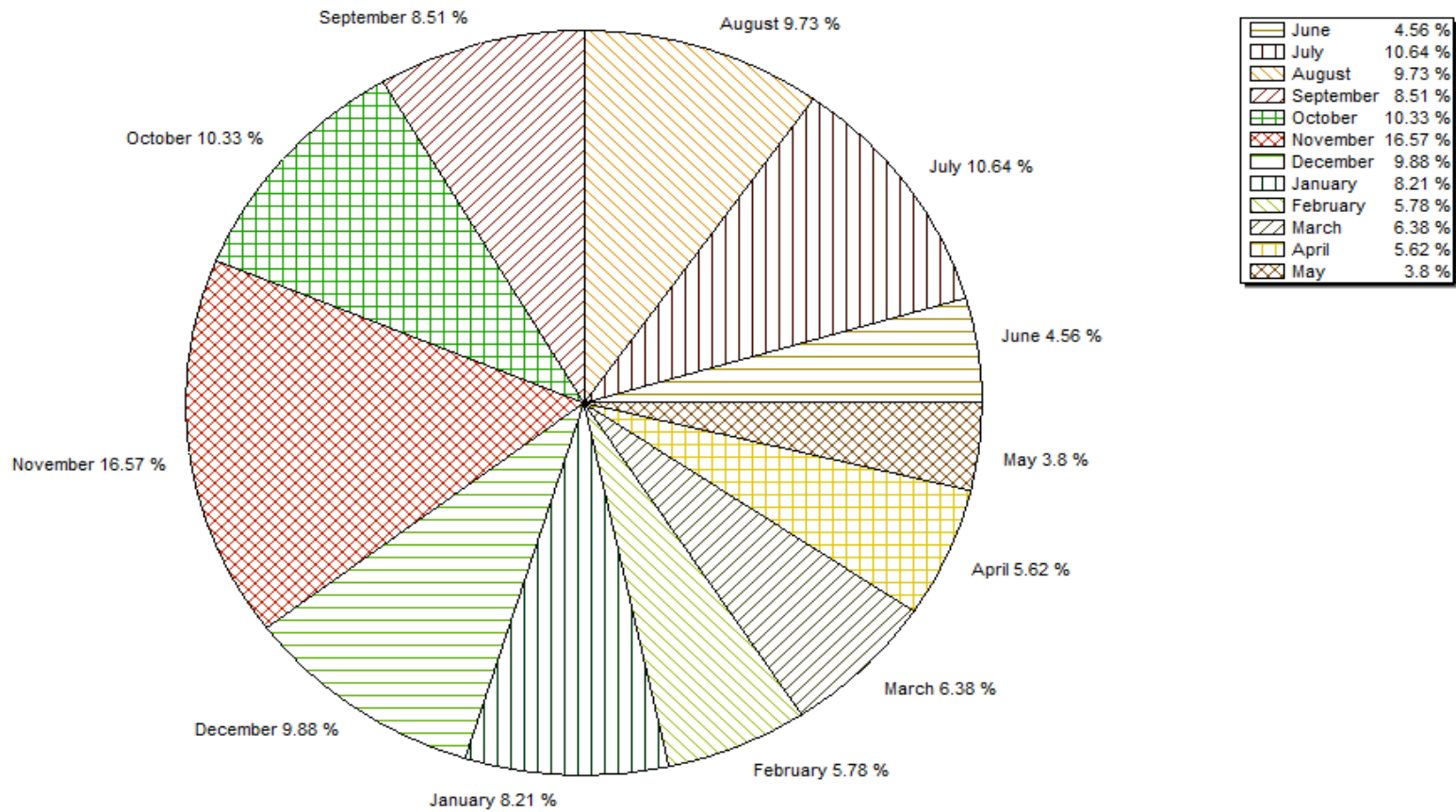


Note: Missing values have not been considered while arriving at Annual Runoff

Monthly Average Runoff based on period : 1984-2018

Station Name : SAVANDAPUR (CCG00E3)
Local River : Bhavani

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



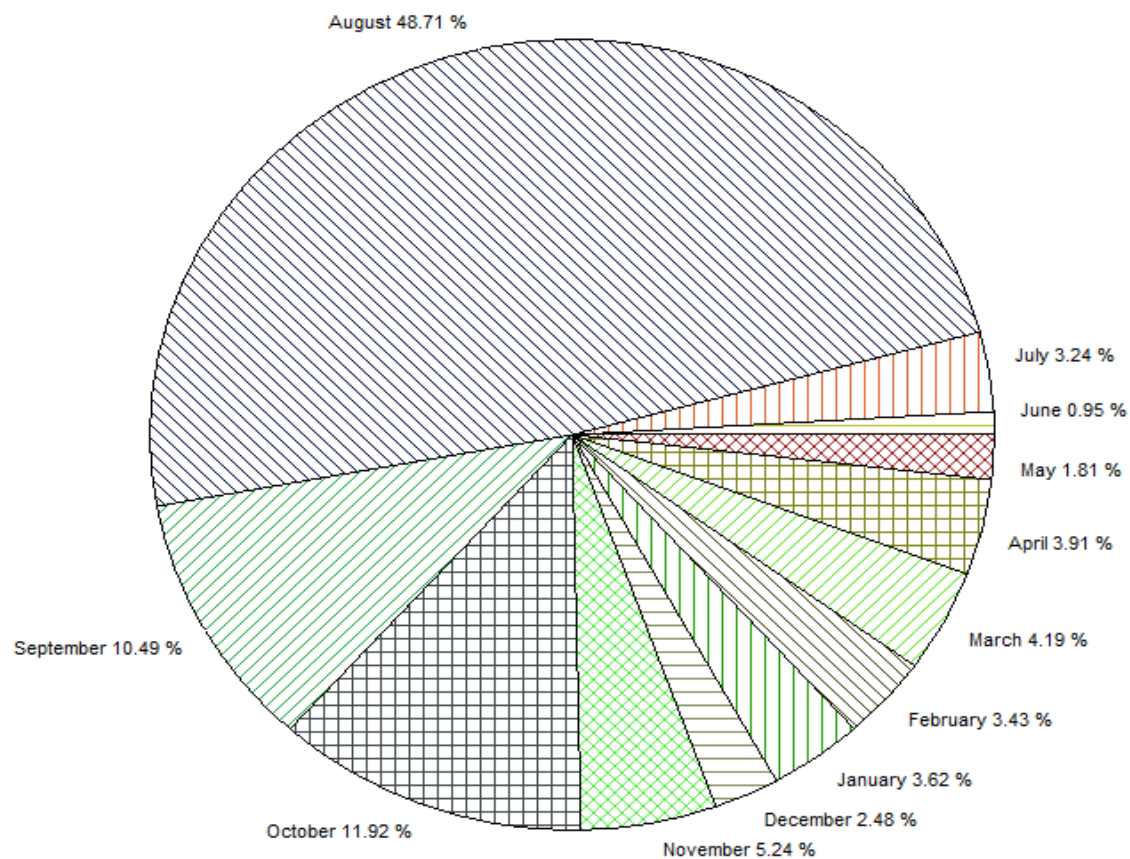
Monthly Runoff for the Year : 2018-2019

Station Name : SAVANDAPUR (CCG00E3)

Local River : Bhavani

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

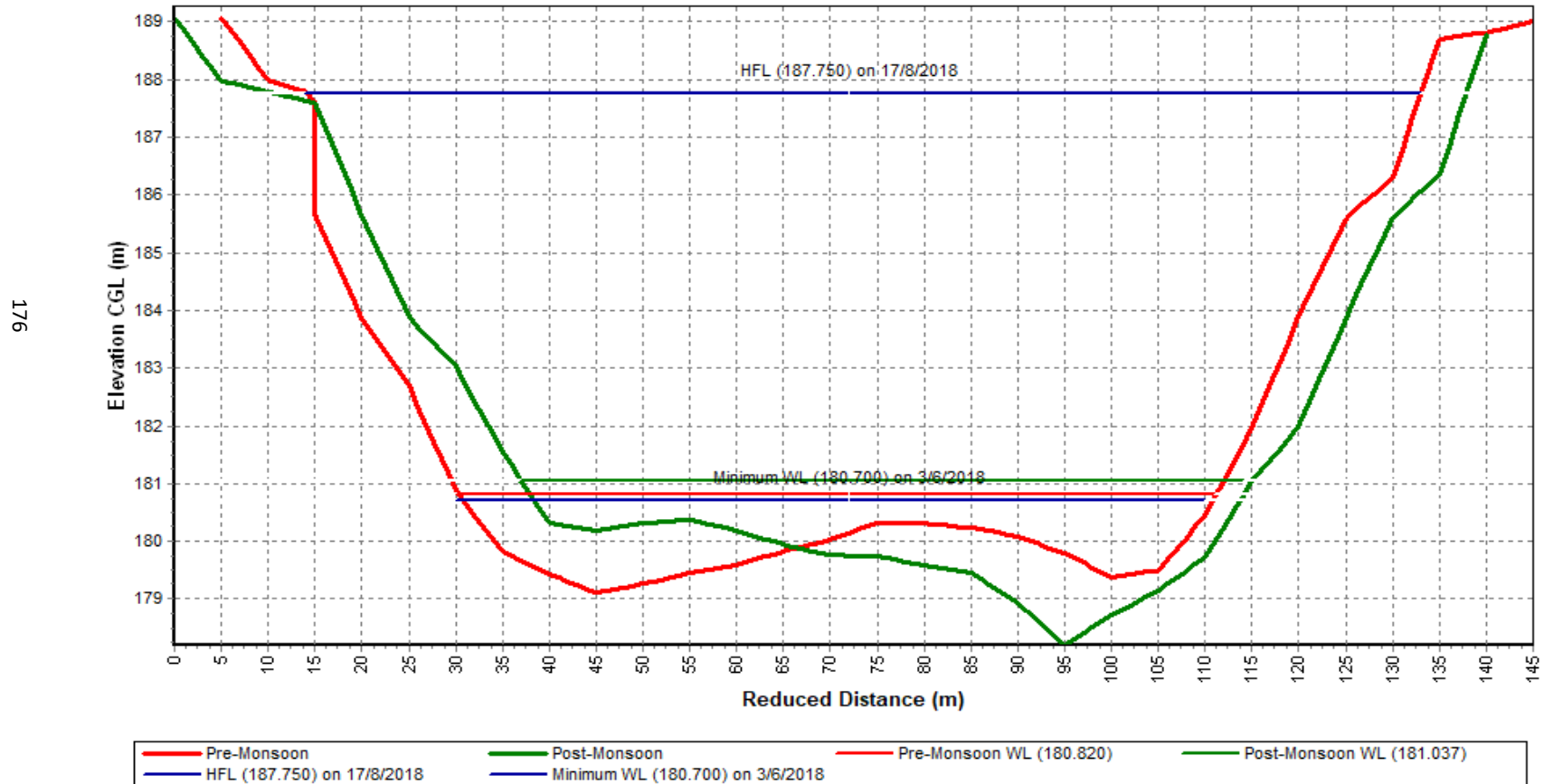


June	0.95 %
July	3.24 %
August	48.71 %
September	10.49 %
October	11.92 %
November	5.24 %
December	2.48 %
January	3.62 %
February	3.43 %
March	4.19 %
April	3.91 %
May	1.81 %

Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : SAVANDAPUR (CCG00E3)
Local River : Bhavani

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

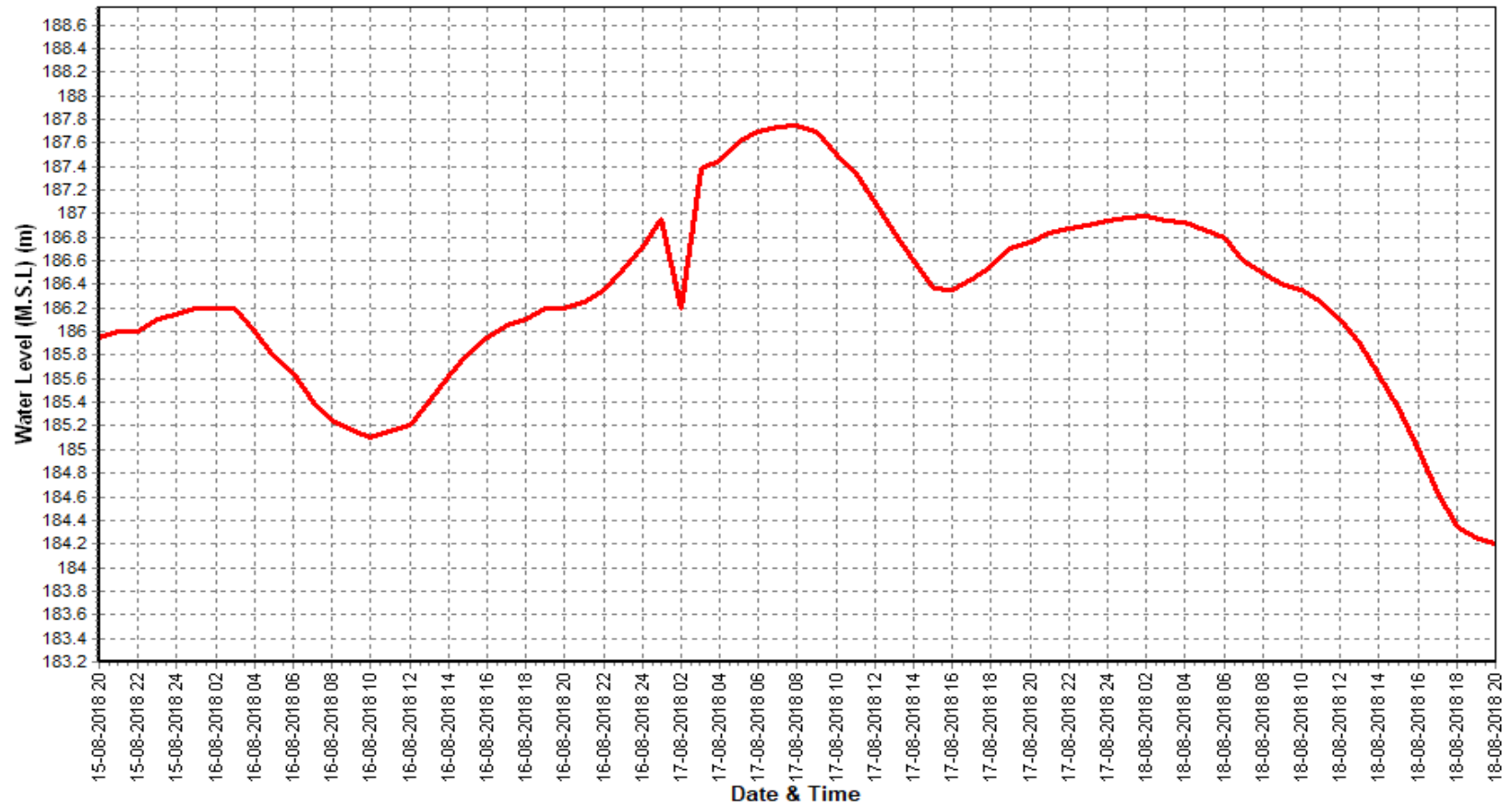
Station Name : SAVANDAPUR (CCG00E3)

Local River : Bhavani

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

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Time Span: 72 Hrs

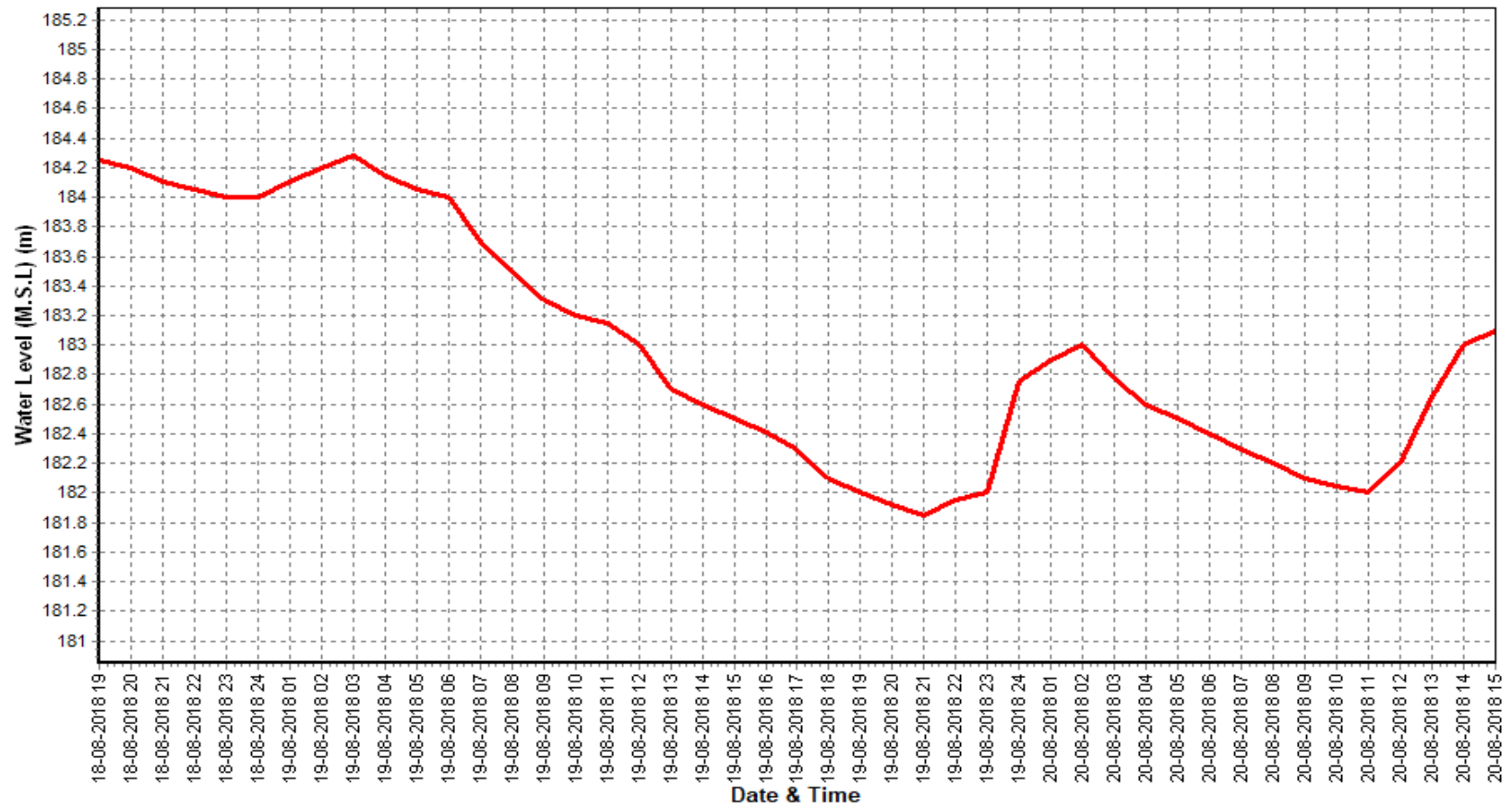
Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : SAVANDAPUR (CCG00E3)

Local River : Bhavani

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore



Time Span: 72 Hrs

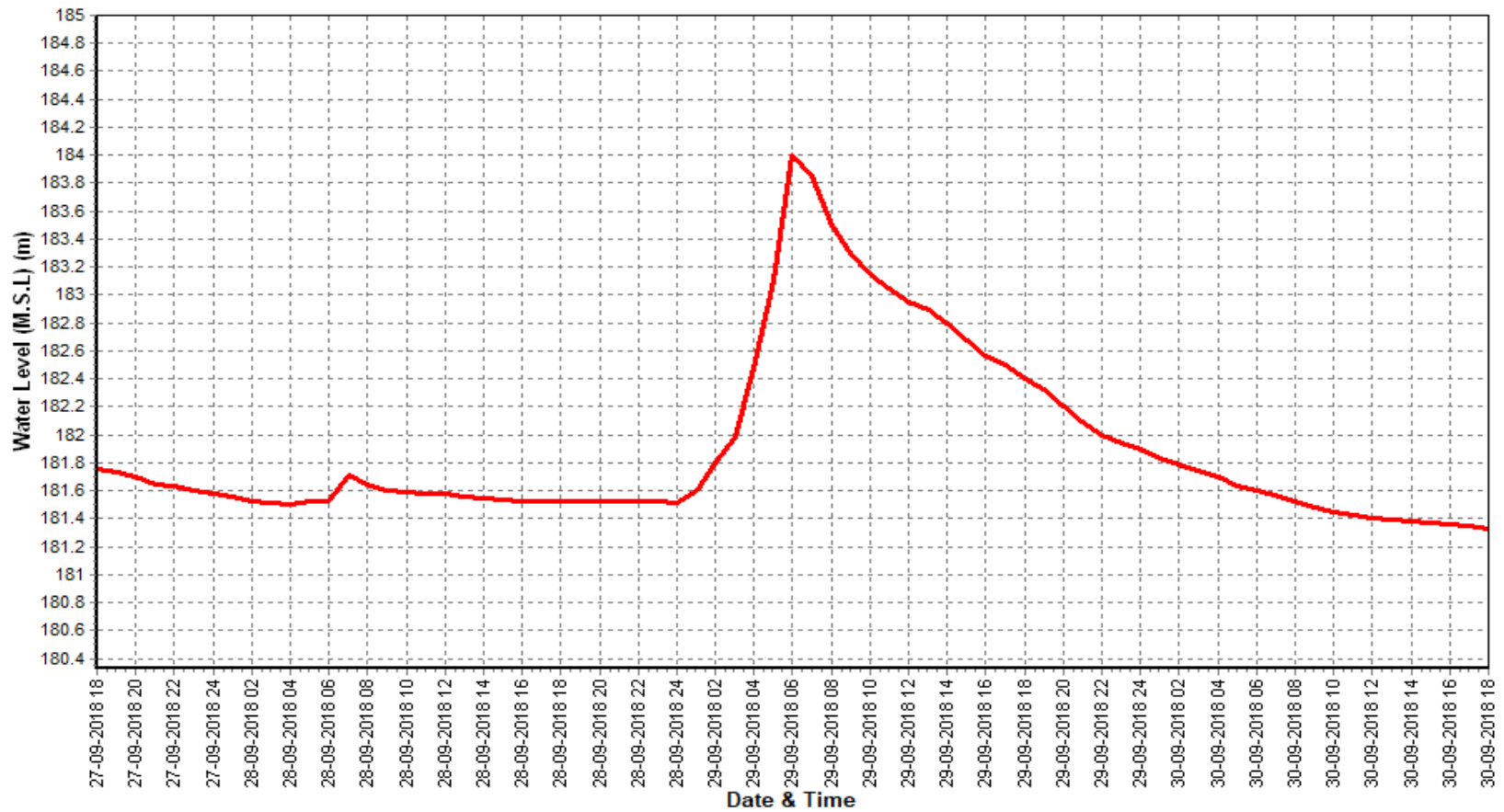
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : SAVANDAPUR (CCG00E3)

Local River : Bhavani

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore



Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2018-2019

Site : THENGUMARAHADA

Code : CCGI0E9

State : Tamil Nadu

District : Nilgiris

Basin : Cauvery

Independent River : Cauvery

Tributary : Bhavani

Sub Tributary :

Sub-Sub Tributary :

Local River : Moyar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

Drainage Area : 1370 Sq. Km.

Bank : Right

Latitude : 11°34'22"

Longitude : 76°55'09"

Zero of Gauge (m) : 336.650 (m.s.l)

23-10-78

Opening Date

Closing Date

Gauge : 23-10-78

Discharge : 01-06-79

Sediment : 01-06-02

Water Quality : 01-06-79

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1979-1980	327.5	340.460	07-08-79	5.000	338.610	03-06-79
1980-1981	129.6	339.620	02-07-80	1.700	338.448	15-01-81
1981-1982	113.0	339.550	23-09-81	2.600	338.500	02-05-82
1982-1983	76.50	339.335	12-11-82	0.000	338.230	08-04-83
1983-1984	61.60	339.300	07-03-84	0.400	338.353	02-06-83
1984-1985	120.0	339.890	02-12-84	1.000	338.418	18-03-85
1985-1986	35.00	339.165	30-05-86	0.050	338.365	13-03-86
1986-1987	44.60	339.235	12-08-86	0.900	338.400	16-06-86
1987-1988	47.65	339.310	20-11-87	0.700	338.380	03-04-88
1988-1989	49.02	339.310	18-07-88	0.876	338.410	23-05-89
1989-1990	506.0	340.600	24-07-89	0.800	338.410	15-04-90
1990-1991	41.80	339.230	17-08-90	0.364	338.390	04-03-91
1991-1992	653.2	341.075	30-10-91	1.056	338.475	29-04-92
1992-1993	504.3	340.850	28-07-92	4.496	338.622	25-02-93
1993-1994	109.8	339.814	11-11-93	3.370	338.700	06-05-94
1994-1995	179.4	340.150	23-10-94	2.886	338.650	11-07-94
1995-1996	127.6	339.590	03-09-95	0.000	338.480	01-04-96
1996-1997	142.2	340.020	16-12-96	2.799	338.650	10-06-96
1997-1998	71.40	339.500	25-11-97	3.794	338.623	04-06-97
1998-1999	91.75	339.704	01-07-98	0.785	338.475	04-03-99
1999-2000	128.0	340.010	25-10-99	3.704	338.670	05-04-00

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2000-2001	153.3	340.100	01-12-00	2.744	338.650	25-12-00
2001-2002	29.65	339.205	09-07-01	0.520	338.450	24-05-02
2002-2003	72.27	339.750	18-08-02	0.000	338.300	22-04-03
2003-2004	33.04	339.240	05-05-04	0.000	338.450	18-04-04
2004-2005	94.25	339.800	05-08-04	0.334	338.430	08-02-05
2005-2006	182.0	340.560	02-08-05	2.335	338.580	13-03-06
2006-2007	50.77	339.470	05-07-06	0.481	338.500	14-05-07
2007-2008	106.5	339.820	11-08-08	2.805	338.580	08-02-08
2008-2009	104.5	339.900	26-10-08	1.364	338.520	14-04-09
2009-2010	510.1	341.650	16-07-09	0.781	338.450	30-05-10
2010-2011	290.9	341.020	21-08-10	0.614	338.450	13-05-11
2011-2012	44.03	339.285	02-09-11	1.041	338.465	27-02-12
2012-2013	77.57	339.740	01-11-12	0.544	338.385	28-12-12
2013-2014	87.89	340.200	03-08-13	0.193	338.350	20-02-14
2014-2015	33.03	339.310	02-08-14	0.330	338.400	14-06-14
2015-2016	38.30	339.410	24-06-15	1.638	338.500	21-05-16
2016-2017	168.4	340.270	27-05-17	0.430	338.350	26-01-17
2017-2018	39.68	339.520	09-09-17	1.236	338.420	23-06-17

Stage-Discharge Data for the period 2018 - 2019

Station Name : THENGUMARAHADA (CCGI0E9)

Division : SR Division, Coimbatore

Local River : Moyar

Sub-Division : Middle Cauvery SD, Coimbatore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	338.780	10.17	338.850	12.66 *	338.970	19.50	339.240	39.64	339.040	23.25	338.935	16.20
2	338.780	9.968	338.635	4.431	338.945	16.82	339.120	28.10 *	338.980	19.38 *	338.790	9.210
3	338.650	4.971 *	338.685	6.031	338.925	16.43	339.200	35.26	338.900	14.08	338.770	8.164
4	338.660	5.293	338.625	4.013	338.915	16.04	339.165	33.68	339.140	31.31	338.840	12.19 *
5	338.840	12.24	338.590	3.450	339.010	21.12 *	339.075	22.94	339.070	24.54	338.770	8.268
6	338.730	7.595	338.790	10.10	338.960	19.22	339.090	24.02	339.025	21.43	338.910	15.60 *
7	338.580	3.035	338.760	8.752	338.975	19.80	339.005	20.81	339.250	37.53 *	338.840	11.90
8	338.550	2.537	338.850	12.66 *	338.945	19.02	339.030	22.94	339.040	22.46	338.730	7.521
9	338.580	3.197	338.875	13.49	339.150	30.63	339.100	26.76 *	339.250	38.72	338.850	12.73
10	338.810	10.86 *	338.875	13.45	339.190	32.64	339.015	21.08	339.300	40.35	338.840	12.09
11	338.950	19.05	338.970	19.76	339.140	30.27	339.010	20.15	339.140	31.23	338.830	11.74 *
12	338.885	14.39	339.360	39.96	339.150	30.16 *	339.000	19.55	339.080	24.21	338.740	7.964
13	339.100	27.44	339.190	32.28	339.120	28.31	339.040	22.93 *	339.070	23.90	338.730	7.638
14	338.930	17.22	339.110	27.88	339.430	44.65	339.060	24.53	339.030	22.32 *	338.740	8.190
15	339.150	30.07	339.180	32.29 *	340.790	240.9 *	338.930	16.47	339.120	28.16	338.760	8.865
16	339.000	20.54 *	339.670	53.79	340.610	221.9	338.950	17.71 *	339.050	22.46	338.780	9.286
17	339.100	26.76 *	339.530	48.57	340.900	269.3	338.935	16.24	339.040	22.79	338.775	9.344
18	338.825	11.69	339.270	38.68	340.710	237.0	338.885	13.70	339.010	21.12 *	338.760	8.791 *
19	338.940	18.07	339.180	32.99	340.430	178.8 *	338.775	9.282	338.940	17.17 *	338.740	8.234
20	338.810	12.36	339.135	29.20	339.620	84.06	338.905	14.71	339.050	23.57	338.825	11.02
21	338.900	15.85	339.070	24.85	339.440	55.41	338.770	9.187 *	339.250	37.53 *	338.800	10.43 *
22	338.730	6.787	339.060	24.18 *	339.280	39.89 *	338.770	9.764	338.950	18.44	338.805	10.59
23	338.785	9.980	339.040	23.64	339.280	40.70	338.910	15.60 *	339.025	21.78	338.890	14.58 *
24	338.850	12.66 *	339.080	26.44	339.210	34.66	338.800	10.15	338.860	13.92	338.860	13.27
25	338.800	10.44	339.130	29.51	339.260	39.75	339.180	32.98	338.990	18.97	338.800	10.43 *
26	338.635	4.313	339.140	29.56	339.200	33.75 *	339.040	23.00	338.980	17.87	338.735	8.048
27	338.725	7.670	339.140	29.39	339.120	29.12	339.165	32.42	338.970	17.64	338.765	9.001
28	338.635	4.503	339.075	25.29	339.230	38.06	339.120	30.81	338.920	16.11 *	338.805	10.99
29	338.840	12.25	339.070	24.81 *	339.340	47.32	339.140	32.62	338.950	17.15	338.710	7.155
30	338.810	10.84	339.080	25.56	339.290	40.73	339.050	23.55 *	338.940	17.00	338.725	7.520
31			339.140	30.59	339.170	36.26			338.930	16.38		
Ten-Daily Mean												
I Ten-Daily	338.696	6.987	338.754	8.904	338.998	21.12	339.104	27.52	339.100	27.30	338.828	11.39
II Ten-Daily	338.969	19.76	339.259	35.54	339.990	136.5	338.949	17.53	339.053	23.69	338.768	9.108
III Ten-Daily	338.771	9.529	339.093	26.71	339.256	39.61	338.995	22.01	338.979	19.34	338.789	10.20
Monthly												
Min.	338.550	2.537	338.590	3.450	338.915	16.04	338.770	9.187	338.860	13.92	338.710	7.155
Max.	339.150	30.07	339.670	53.79	340.900	269.3	339.240	39.64	339.300	40.35	338.935	16.20
Mean	338.812	12.09	339.037	23.81	339.410	64.91	339.016	22.35	339.042	23.31	338.795	10.23

Annual Runoff in MCM = 498 Annual Runoff in mm = 363

Peak Observed Discharge = 269.3 cumecs on 17-08-2018 Corres. Water Level :340.9 m

Lowest Observed Discharge = 1.178 cumecs on 10-04-2019 Corres. Water Level :338.44 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

#:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : THENGUMARAHADA (CCGI0E9)

Division : SR Division, Coimbatore

Local River : Moyar

Sub-Division : Middle Cauvery SD, Coimbatore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	338.820	11.43	338.735	7.508	338.670	5.130	338.790	9.895	338.580	3.098	338.605	4.727
2	338.820	10.97 *	338.635	4.263	338.585	3.097	338.875	13.01	338.650	4.784	338.660	5.507
3	338.685	5.567	338.620	3.829	338.550	2.613 *	338.650	4.932 *	338.710	7.192	338.600	3.881
4	338.810	11.07	338.665	5.229	338.550	2.499	338.615	3.921	338.705	7.061	338.665	5.933
5	338.800	10.09	338.625	3.860	338.530	2.020	338.785	9.869	338.740	7.740	338.500	1.761 *
6	338.800	10.59	338.700	6.422 *	338.500	1.759	338.605	3.657	338.470	1.555	338.560	3.051
7	338.800	10.21	338.620	3.844	338.610	3.852	338.520	2.051	338.570	3.009 *	338.715	7.476
8	338.775	9.224	338.850	12.62	338.600	3.567	338.625	4.383	338.640	4.494	338.500	1.865
9	338.780	9.297 *	338.820	10.89	338.615	3.940	338.630	3.987	338.570	3.288	338.500	1.828
10	338.645	4.371	338.730	7.548	338.750	8.146 *	338.610	3.901 *	338.440	1.178	338.780	11.41
11	338.780	9.334	338.730	7.479	338.555	2.540	338.690	6.571	338.460	1.502	338.665	5.719
12	338.885	14.29	338.730	7.420	338.625	4.132	338.575	2.877	338.475	1.669	338.550	2.613 *
13	338.790	9.735	338.750	8.146 *	338.540	2.277	338.500	1.724	338.550	2.574	338.545	2.758
14	338.770	8.841	338.740	7.788	338.530	2.173	338.725	7.643	338.650	4.932 *	338.670	5.742
15	338.670	5.326	338.730	7.428 *	338.565	2.694	338.660	5.133	338.575	3.306	338.550	2.757
16	338.750	8.146 *	338.585	3.063	338.760	8.530	338.605	3.607	338.460	1.496	338.640	4.937
17	338.645	4.431	338.625	3.845	338.760	8.521 *	338.650	4.932 *	338.700	6.422 *	338.680	5.944
18	338.720	7.210	338.525	1.937	338.645	4.466	338.645	4.515	338.550	2.613 *	338.700	6.422 *
19	338.750	8.424	338.695	6.115	338.760	8.563	338.565	2.787	338.450	1.099 *	338.750	8.146 *
20	338.760	8.962	338.670	5.501 *	338.730	7.522	338.635	4.358	338.610	3.800	338.550	2.727
21	338.760	8.890	338.625	3.819	338.595	3.317	338.565	2.811	338.600	3.666 *	338.780	9.841
22	338.780	9.684	338.665	5.334	338.530	1.997	338.650	4.764	338.555	2.717	338.570	3.189
23	338.670	5.501 *	338.585	3.143	338.500	1.799	338.595	3.063	338.540	2.297	338.630	4.697
24	338.590	2.927	338.730	7.592	338.490	1.614 *	338.750	8.146 *	338.500	1.588	338.560	2.807 #
25	338.670	5.501 *	338.735	7.849	338.490	1.598	338.560	2.568	338.610	3.570	338.630	4.597
26	338.650	4.798	338.670	5.501 *	338.760	8.548	338.560	2.634	338.575	3.098	338.530	2.249 *
27	338.680	5.928	338.700	6.422 *	338.620	3.903	338.655	4.740	338.580	3.612	338.530	2.481
28	338.595	3.029	338.665	5.215	338.575	2.855	338.690	6.303	338.610	3.901 *	338.680	6.186
29	338.720	7.343	338.730	7.626			338.590	3.152	338.635	5.824	338.630	4.333
30	338.670	5.501 *	338.690	6.360			338.765	7.567	338.500	1.761 #	338.730	7.959
31	338.645	4.446	338.585	3.309			338.550	2.613 *			338.680	6.141
Ten-Daily Mean												
I Ten-Daily	338.773	9.282	338.700	6.601	338.596	3.662	338.671	5.961	338.607	4.340	338.609	4.744
II Ten-Daily	338.752	8.470	338.678	5.872	338.647	5.142	338.625	4.415	338.548	2.941	338.630	4.777
III Ten-Daily	338.675	5.777	338.671	5.652	338.570	3.204	338.630	4.396	338.571	3.203	338.632	4.953
Monthly												
Min.	338.590	2.927	338.525	1.937	338.490	1.598	338.500	1.724	338.440	1.099	338.500	1.761
Max.	338.885	14.29	338.850	12.62	338.760	8.563	338.875	13.01	338.740	7.740	338.780	11.41
Mean	338.732	7.776	338.683	6.029	338.607	4.06	338.641	4.907	338.575	3.495	338.624	4.829

Peak Computed Discharge = 240.9 cumecs on 15-08-2018

Corres. Water Level :340.79 m

Lowest Computed Discharge = 1.099 cumecs on 19-04-2019

Corres. Water Level :338.45 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

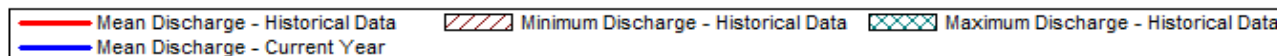
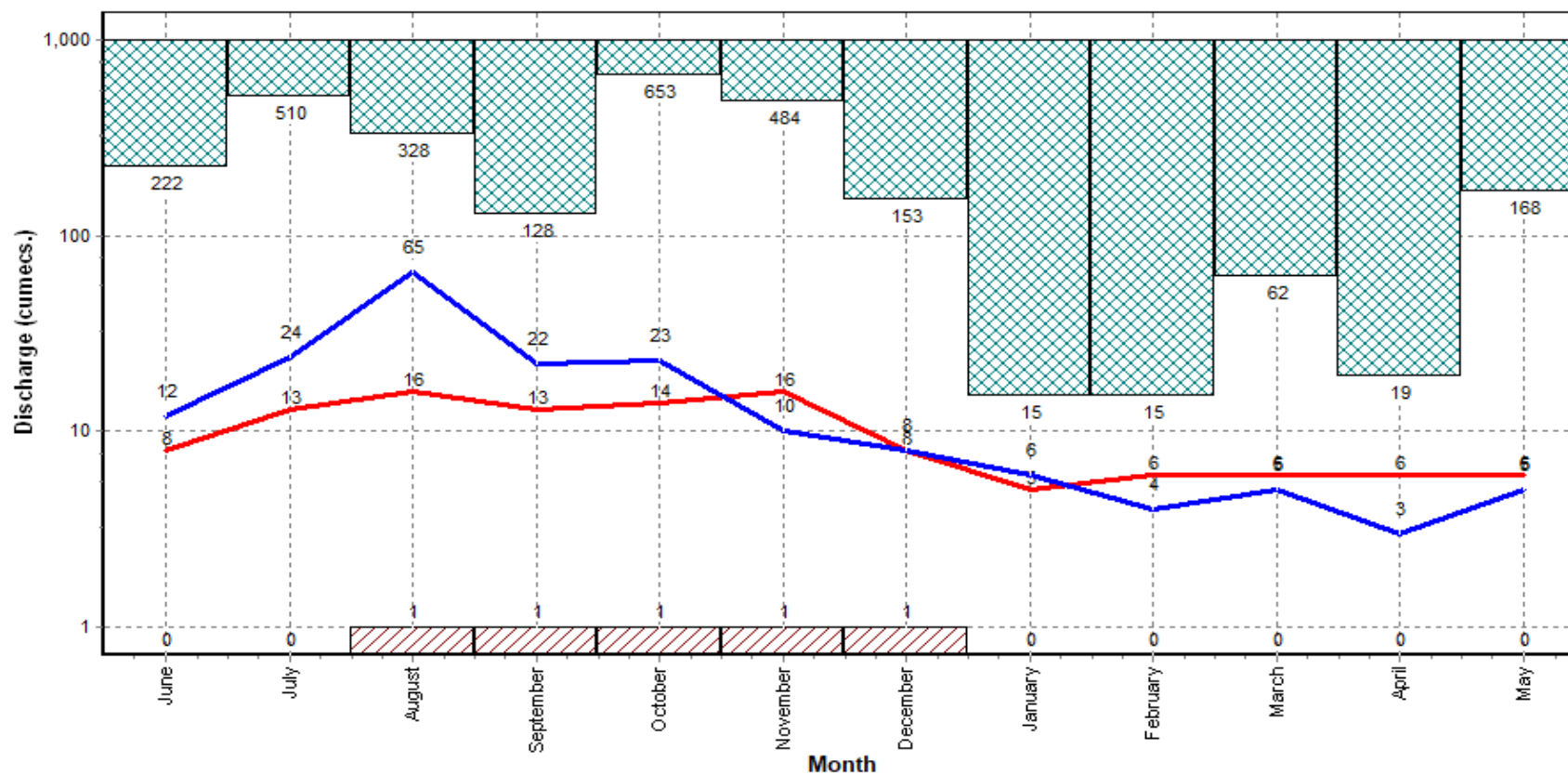
HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

Station Name : THENGUMARAHADA (CCGI0E9)
Local River : Moyar

Data considered : 1979-2019

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore

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Annual Runoff Values for the period: 1979 - 2019

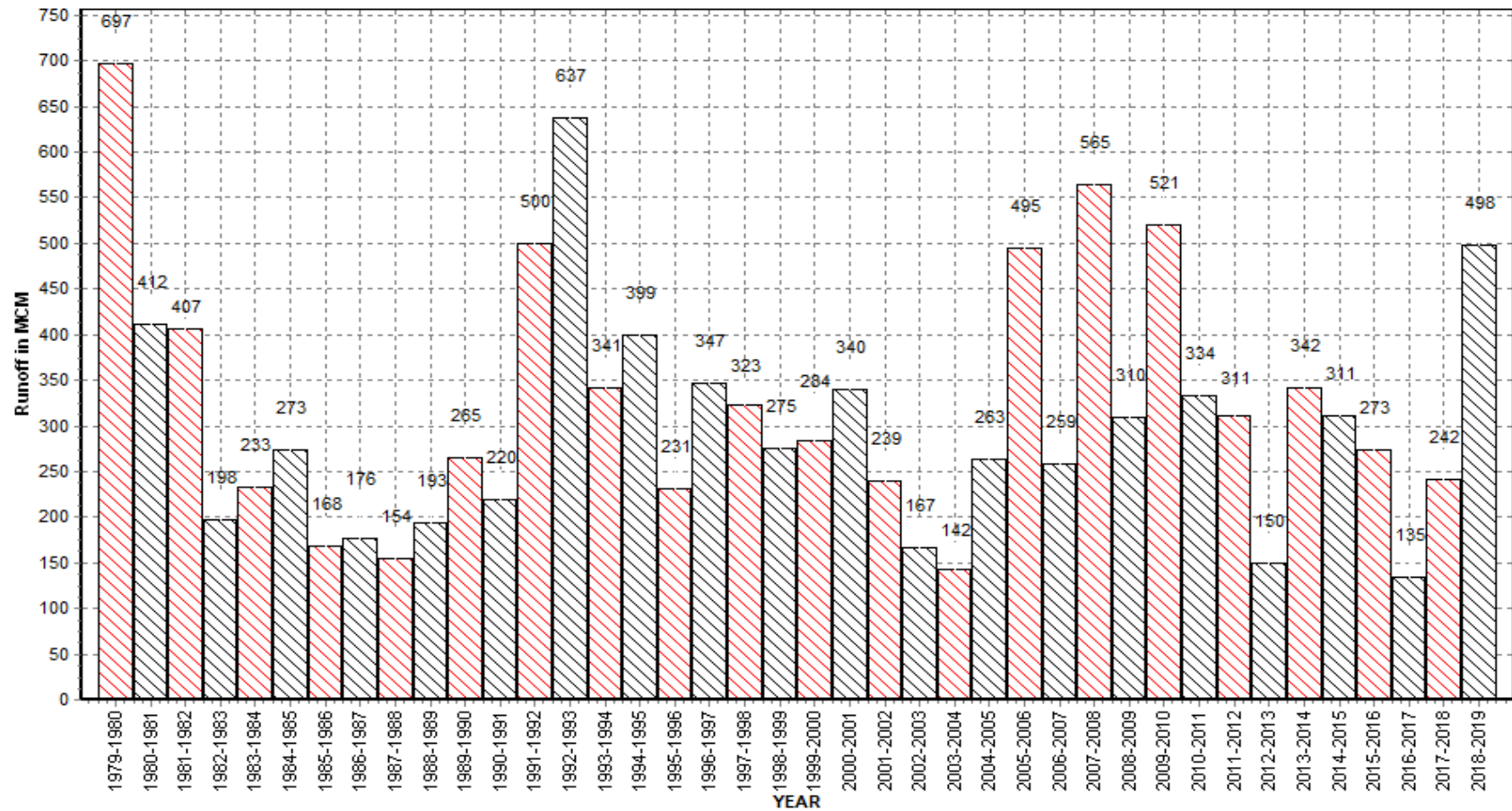
Station Name : THENGUMARAHADA (CCGI0E9)

Local River : Moyar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

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Note: Missing values have not been considered while arriving at Annual Runoff

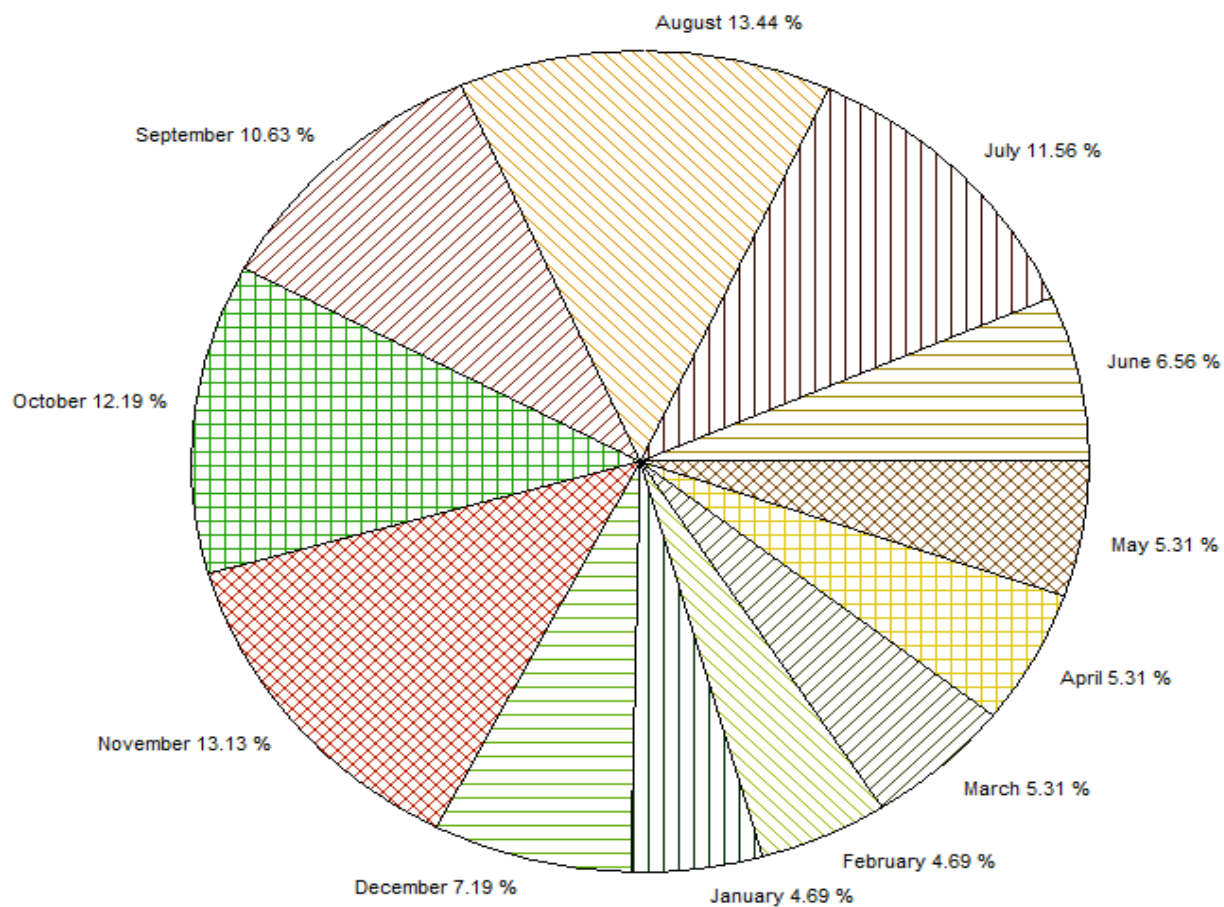
Monthly Average Runoff based on period : 1979-2018

Station Name : THENGUMARAHADA (CCGI0E9)

Local River : Moyar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

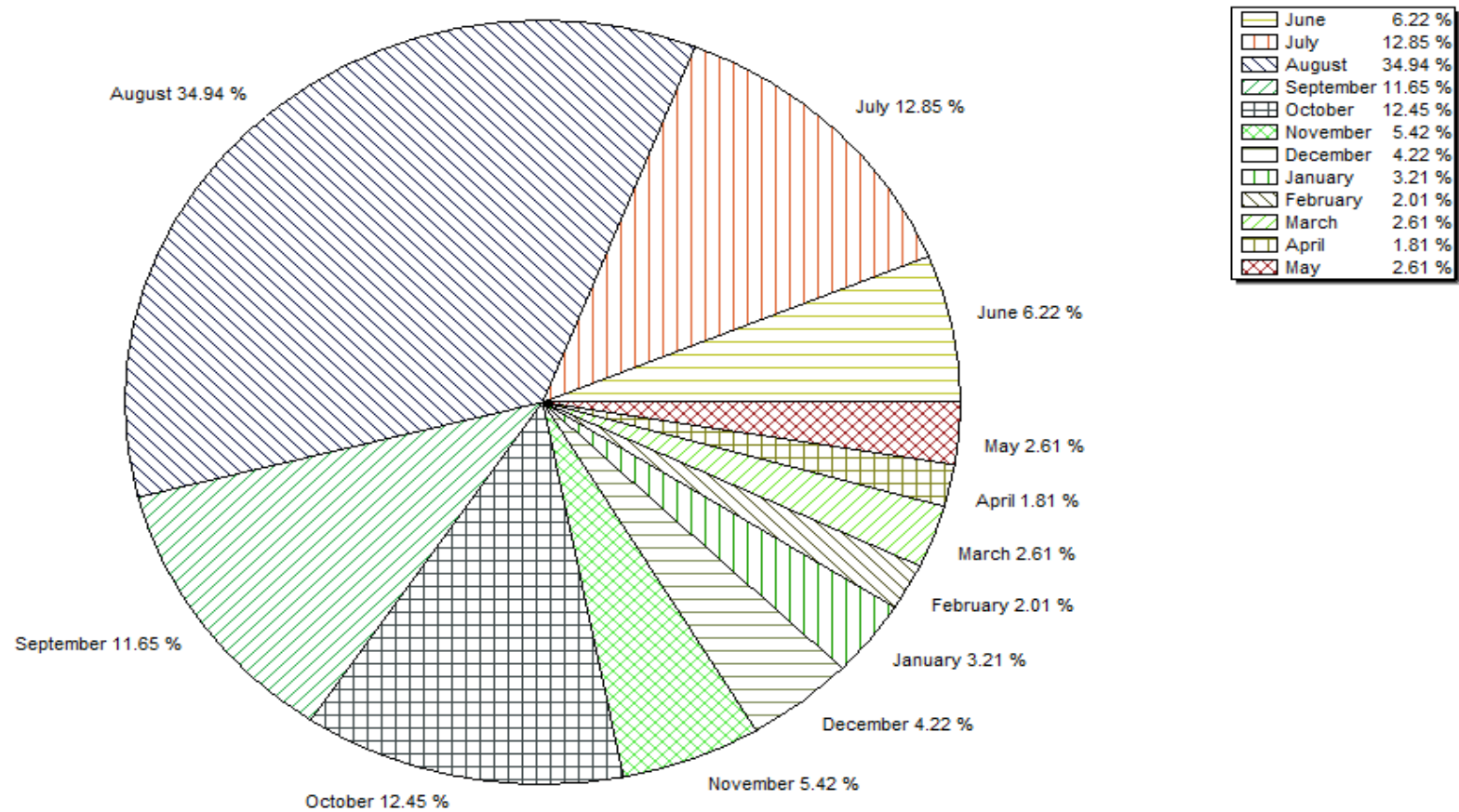


June	6.56 %
July	11.56 %
August	13.44 %
September	10.63 %
October	12.19 %
November	13.13 %
December	7.19 %
January	4.69 %
February	4.69 %
March	5.31 %
April	5.31 %
May	5.31 %

Station Name : THENGUMARAHADA (CCGI0E9)
Local River : Moyar

Monthly Runoff for the Year : 2018-2019

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

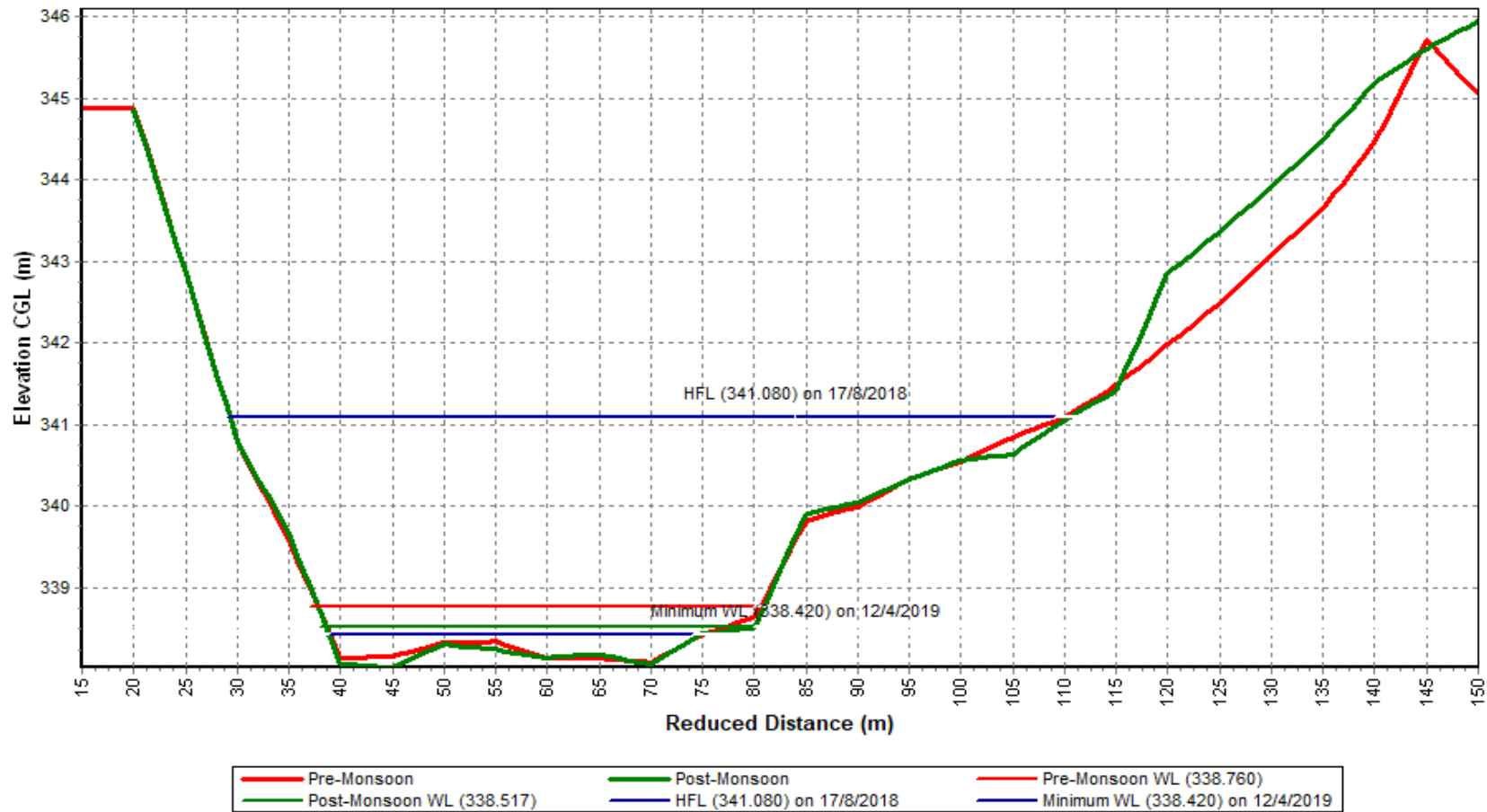
Station Name : THENGUMARAHADA (CCGI0E9)

Local River : Moyar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

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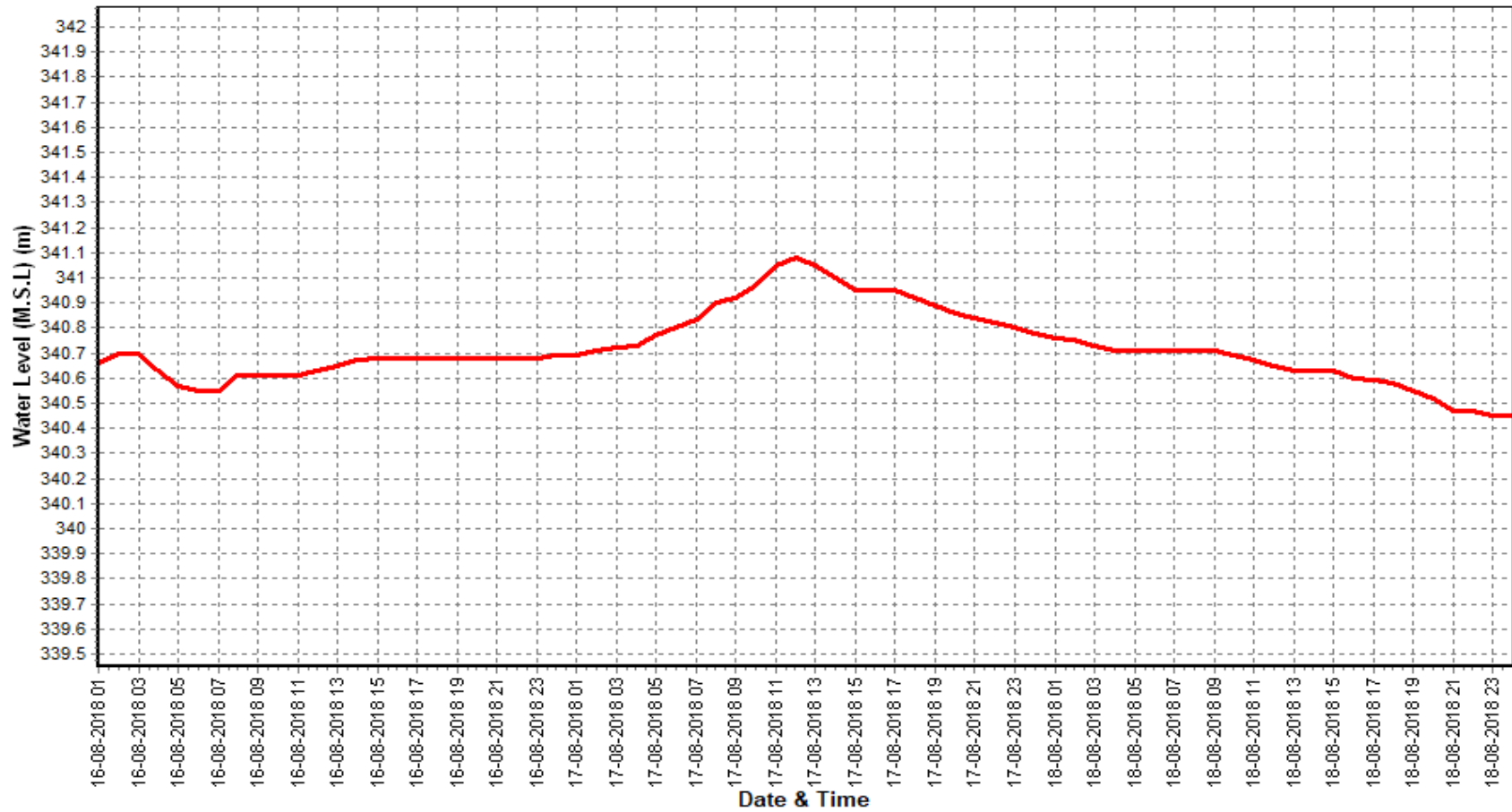
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : THENGUMARAHADA (CCGI0E9)

Local River : Moyar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore



Time Span: 72 Hrs

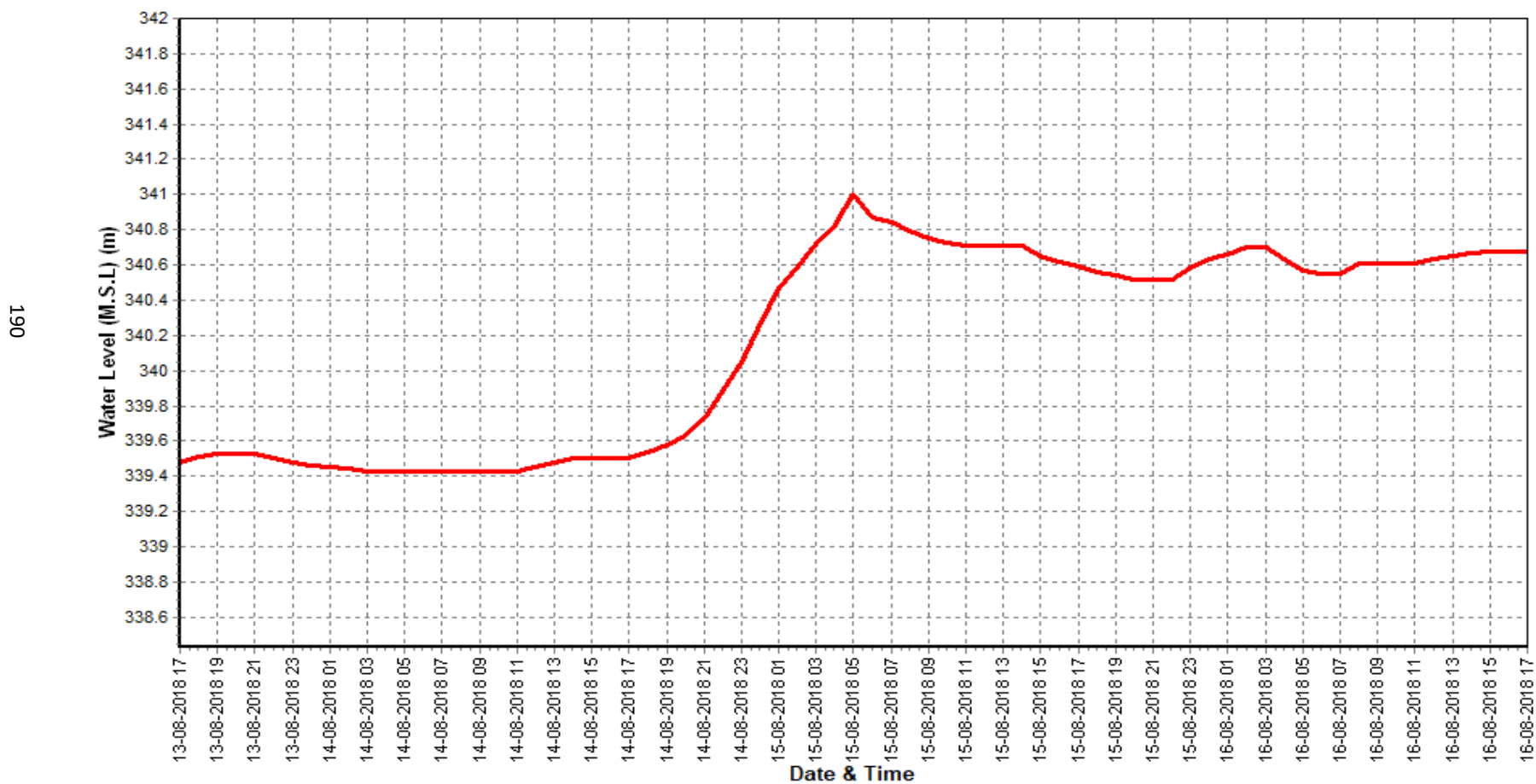
Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : THENGUMARAHADA (CCGI0E9)

Local River : Moyar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore



Time Span: 72 Hrs

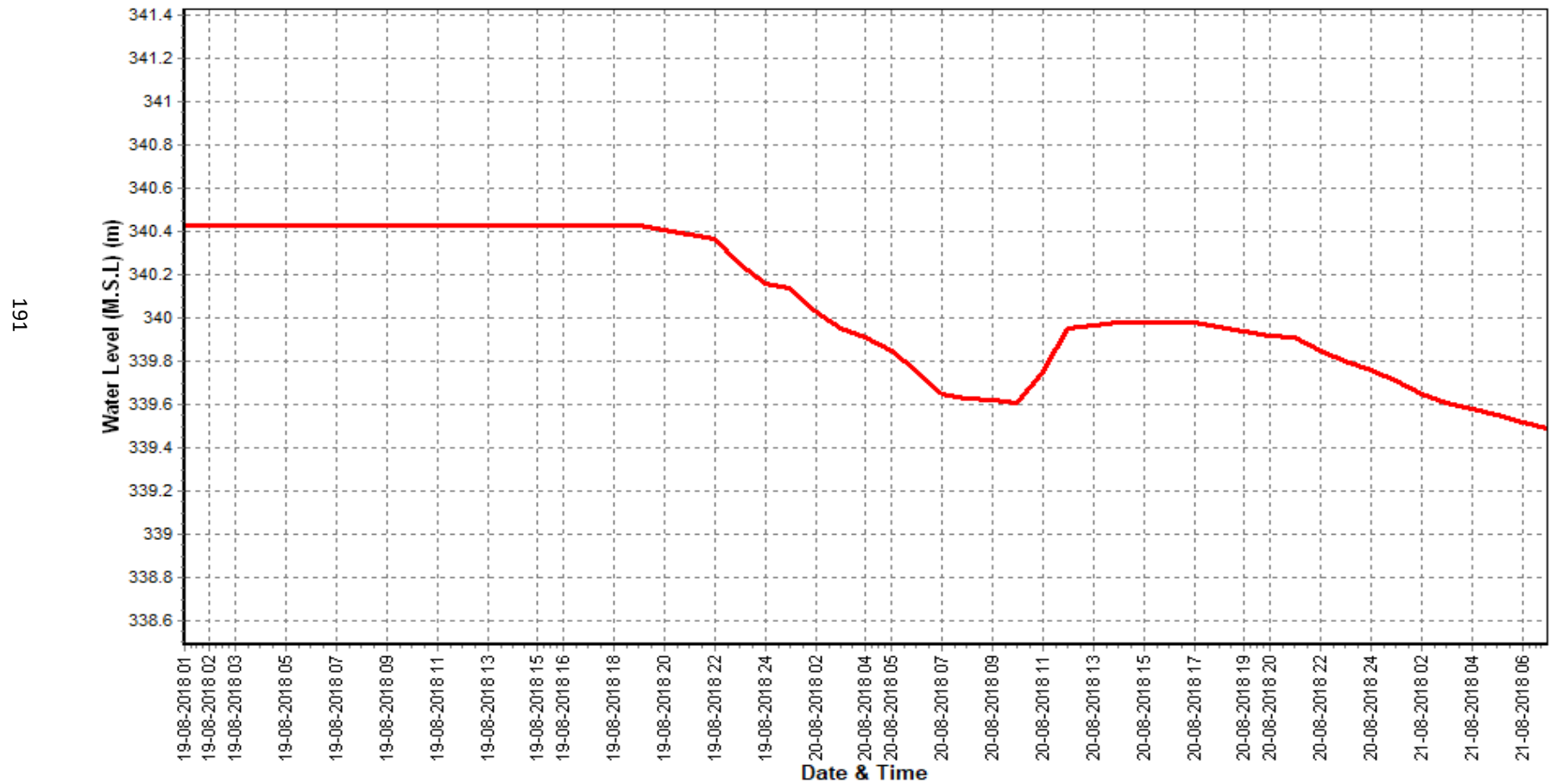
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : THENGUMARAHADA (CCGI0E9)

Local River : Moyar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore



Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2018-2019

Site : GANDHAVAYAL

Code : CCG20C8

State : Tamil Nadu

District : Coimbatore

Basin : Cauvery

Independent River : Cauvery

Tributary : Bhavani

Sub Tributary : Gandhayar

Sub-Sub Tributary :

Local River : Gandhayar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

Drainage Area : 90.71 Sq. Km.

Bank : Right

Latitude : 11°22'27"

Longitude : 76°59'32"

Zero of Gauge (m) : 92.000 (m.s.l)

15-03-13

Opening Date

Closing Date

Gauge : 15-03-13

Discharge : 15-03-13

Sediment :

Water Quality : 01-04-13

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2013-2014	171.8	95.150	24-11-13	0.000	92.680	10-06-13
2014-2015	64.42	94.360	25-10-14	0.012	92.680	22-09-14
2015-2016	36.77	93.950	20-11-15	0.000	92.700	03-05-16
2016-2017	10.97	93.565	15-03-17	0.000	92.590	02-11-16
2017-2018	33.01	93.950	02-12-17	0.000	92.580	15-07-17

Stage-Discharge Data for the period 2018 - 2019

Station Name : GANDHAVAYAL (CCG20C8)

Division : SR Division, Coimbatore

Local River : Gandhayar

Sub-Division : Middle Cauvery SD, Coimbatore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	93.120	1.179	92.990	0.507 *	92.930	0.372	92.810	0.081	94.050	36.49	93.520	2.190
2	93.080	1.038	93.020	0.564	92.920	0.270 #	92.810	0.087 *	94.090	48.55 *	93.685	7.280
3	93.080	0.882 *	93.138	1.215	92.920	0.270 #	92.790	0.068	93.650	19.22	93.590	5.475
4	93.080	1.060	93.090	0.966	92.920	0.270 #	92.790	0.067	93.680	20.53	93.620	6.146 *
5	93.040	0.769	93.040	0.611	92.920	0.270 *	92.800	0.078	93.630	19.20	93.600	5.528
6	93.120	1.198	93.010	0.527	92.890	0.148	92.800	0.068	93.780	28.82	93.580	4.761 *
7	93.120	1.193	93.040	0.624	92.890	0.147	92.800	0.076	93.890	33.50 *	93.550	3.267
8	93.120	1.203	93.040	0.707 *	92.890	0.148	92.800	0.065	93.680	20.52	93.580	3.944
9	93.120	1.194	93.000	0.526	92.860	0.141	92.730	0.000	93.700	22.06	93.530	3.232 #
10	93.120	1.072 *	92.860	0.141	92.860	0.141	92.730	0.000	93.640	19.73	93.540	3.519 #
11	93.080	1.010	93.050	0.673	92.900	0.367	92.730	0.000	93.520	2.955 #	93.530	3.232 *
12	93.080	1.021	93.060	0.700	92.900	0.295 *	92.890	0.265 #	93.550	3.816 #	93.470	1.602
13	93.080	1.041	93.060	0.718	92.900	0.365	92.880	0.237 *	93.520	2.955 #	93.470	1.609
14	93.080	0.879	93.040	0.624	92.900	0.356	92.850	0.163 #	93.550	3.816 *	93.460	1.334
15	93.100	1.173	93.040	0.707 *	92.920	0.360 *	92.870	0.211 #	93.620	6.274	93.460	1.357
16	93.090	0.928 *	93.000	0.488	92.900	0.367	93.100	1.268 *	93.580	4.334	93.460	1.370
17	93.080	0.882 *	93.060	0.680	92.910	0.362	93.050	0.775	93.650	7.976	93.510	1.563
18	93.050	0.849	93.040	0.635	92.910	0.367	93.070	0.804	93.610	5.787 *	93.500	1.812 *
19	93.030	0.766	93.010	0.536	92.910	0.327 *	92.980	0.447	93.710	9.754 *	93.600	3.740
20	93.020	0.578	93.000	0.505	92.880	0.237 #	92.960	0.400	93.870	17.70 #	93.590	3.598
21	93.020	0.589	93.010	0.523	92.880	0.237 #	92.930	0.395 *	93.640	6.891 *	93.550	2.629 *
22	93.040	0.669	92.990	0.507 *	92.880	0.237 *	92.900	0.322	93.600	6.057	93.500	1.651
23	93.040	0.707 *	92.960	0.377	92.850	0.150	92.890	0.265 *	93.580	5.829	93.590	3.367 *
24	93.010	0.564	92.950	0.382	92.850	0.154	93.450	5.477	93.580	5.613	93.590	3.492
25	93.010	0.564	92.970	0.385	92.850	0.159	93.260	2.747	93.530	3.287	93.600	3.563 *
26	93.000	0.487	93.030	0.630	92.850	0.163 *	93.280	3.105	93.530	3.412	93.550	2.565
27	92.980	0.473	92.980	0.393	92.810	0.079	93.210	2.204	93.520	3.275	93.540	2.328
28	93.000	0.475	92.960	0.384	92.810	0.084	93.900	33.81	93.520	2.955 *	93.530	2.076
29	92.990	0.481	92.950	0.365 *	92.810	0.079	93.850	31.35	93.470	1.880	93.520	2.084
30	92.990	0.507 *	92.930	0.366	92.810	0.080	93.680	20.47 *	93.470	1.883	93.570	3.387
31			92.930	0.382	92.810	0.081			93.480	2.006		
Ten-Daily Mean												
I Ten-Daily	93.100	1.079	93.023	0.639	92.900	0.218	92.786	0.059	93.779	26.86	93.579	4.534
II Ten-Daily	93.069	0.913	93.036	0.627	92.903	0.340	92.938	0.457	93.618	6.537	93.505	2.122
III Ten-Daily	93.008	0.552	92.969	0.427	92.837	0.137	93.335	10.01	93.538	3.917	93.554	2.714
Monthly												
Min.	92.980	0.473	92.860	0.141	92.810	0.079	92.730	0.000	93.470	1.880	93.460	1.334
Max.	93.120	1.203	93.138	1.215	92.930	0.372	93.900	33.81	94.090	48.55	93.685	7.280
Mean	93.059	0.848	93.008	0.56	92.879	0.228	93.020	3.51	93.642	12.16	93.546	3.123

Annual Runoff in MCM = 60 Annual Runoff in mm = 662

Peak Observed Discharge = 36.49 cumecs on 01-10-2018 Corres. Water Level :94.05 m

Lowest Observed Discharge = 0.000 cumecs on 09-09-2018 Corres. Water Level :92.73 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : GANDHAVAYAL (CCG20C8)

Division : SR Division, Coimbatore

Local River : Gandhayar

Sub-Division : Middle Cauvery SD, Coimbatore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	93.570	3.365	93.440	0.921	93.410	0.292	93.230	0.000	93.000	0.000	93.000	0.000
2	93.540	2.249 *	93.430	0.931	93.410	0.286	93.200	0.000	93.000	0.000	93.000	0.000
3	93.530	2.157	93.420	0.916	93.410	0.259 *	93.200	0.000	93.000	0.000	93.000	0.000
4	93.520	2.037	93.420	0.878	93.410	0.278	93.220	0.000	93.000	0.000	93.000	0.000
5	93.570	3.421	93.430	0.930	93.410	0.272	93.390	0.210 #	93.000	0.000	93.000	0.000
6	93.565	2.573	93.430	0.943 *	93.410	0.269	93.350	0.095	93.000	0.000	93.000	0.000
7	93.550	2.560	93.400	0.655	93.380	0.135	93.340	0.091	93.000	0.000	93.000	0.000
8	93.530	2.162	93.400	0.655	93.380	0.187 #	93.330	0.090	93.000	0.000	93.000	0.000
9	93.520	1.922 *	93.400	0.653	93.360	0.119	93.320	0.089	92.980	0.000	93.000	0.000
10	93.510	1.567	93.400	0.658	93.360	0.145 *	93.330	0.000	92.980	0.000	93.000	0.000
11	93.510	1.536	93.400	0.641	93.360	0.155	93.330	0.089	92.980	0.000	93.000	0.000
12	93.500	1.518	93.400	0.637	93.360	0.138	93.310	0.085	92.960	0.000	93.000	0.000
13	93.490	1.296	93.400	0.674 *	93.360	0.103	93.300	0.054 #	92.960	0.000	93.000	0.000
14	93.480	1.272	93.390	0.614	93.340	0.114	93.280	0.038	92.920	0.000	93.000	0.000
15	93.470	1.257	93.390	0.593 *	93.340	0.110	93.280	0.037	92.900	0.000	93.000	0.000
16	93.460	1.080 *	93.390	0.613	93.340	0.107	93.260	0.018 #	92.880	0.000	92.980	0.000
17	93.450	1.240	93.390	0.607	93.340	0.109 *	93.260	0.000	92.880	0.000	93.220	0.000
18	93.450	1.238	93.390	0.602	93.340	0.105	93.260	0.000	92.880	0.000	93.200	0.000
19	93.510	1.506	93.390	0.609	93.330	0.090	93.260	0.000	92.880	0.000	93.150	0.000
20	93.510	1.524	93.390	0.593 *	93.250	0.000	93.260	0.000	92.880	0.000	93.120	0.000
21	93.480	1.140	93.390	0.186	93.250	0.000	93.250	0.000	92.900	0.000	93.100	0.000
22	93.470	1.004	93.390	0.189	93.250	0.000	93.250	0.000	92.950	0.000	93.100	0.000
23	93.460	1.080 *	93.410	0.307	93.250	0.000	93.240	0.000	93.100	0.000	93.100	0.000
24	93.460	1.026	93.410	0.293	93.230	0.000	93.220	0.000	93.100	0.000	93.110	0.000
25	93.450	0.961 *	93.410	0.286	93.230	0.000	93.220	0.000	93.100	0.000	93.110	0.000
26	93.440	1.006	93.410	0.259 *	93.230	0.000	93.220	0.000	93.050	0.000	93.170	0.000
27	93.430	0.629	93.410	0.259 *	93.230	0.000	93.220	0.000	93.000	0.000	93.200	0.000
28	93.420	0.615	93.410	0.288	93.230	0.000	93.210	0.000	93.000	0.000	93.190	0.000
29	93.450	0.951	93.420	0.321			93.200	0.000	93.000	0.000	93.190	0.000
30	93.450	0.961 *	93.420	0.297			93.200	0.000	93.000	0.000	93.220	0.000
31	93.440	0.924	93.420	0.303			93.180	0.000			93.220	0.000
Ten-Daily Mean												
I Ten-Daily	93.541	2.401	93.417	0.814	93.394	0.224	93.291	0.058	92.996	0.000	93.000	0.000
II Ten-Daily	93.483	1.347	93.393	0.618	93.336	0.103	93.280	0.032	92.912	0.000	93.067	0.000
III Ten-Daily	93.450	0.936	93.409	0.272	93.237	0.000	93.219	0.000	93.020	0.000	93.155	0.000
Monthly												
Min.	93.420	0.615	93.390	0.186	93.230	0.000	93.180	0.000	92.880	0.000	92.980	0.000
Max.	93.570	3.421	93.440	0.943	93.410	0.292	93.390	0.210	93.100	0.000	93.220	0.000
Mean	93.490	1.541	93.406	0.558	93.329	0.117	93.262	0.029	92.976	0	93.077	0

Peak Computed Discharge = 48.55 cumecs on 02-10-2018

Corres. Water Level :94.09 m

Lowest Computed Discharge = 0.087 cumecs on 02-09-2018

Corres. Water Level :92.81 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

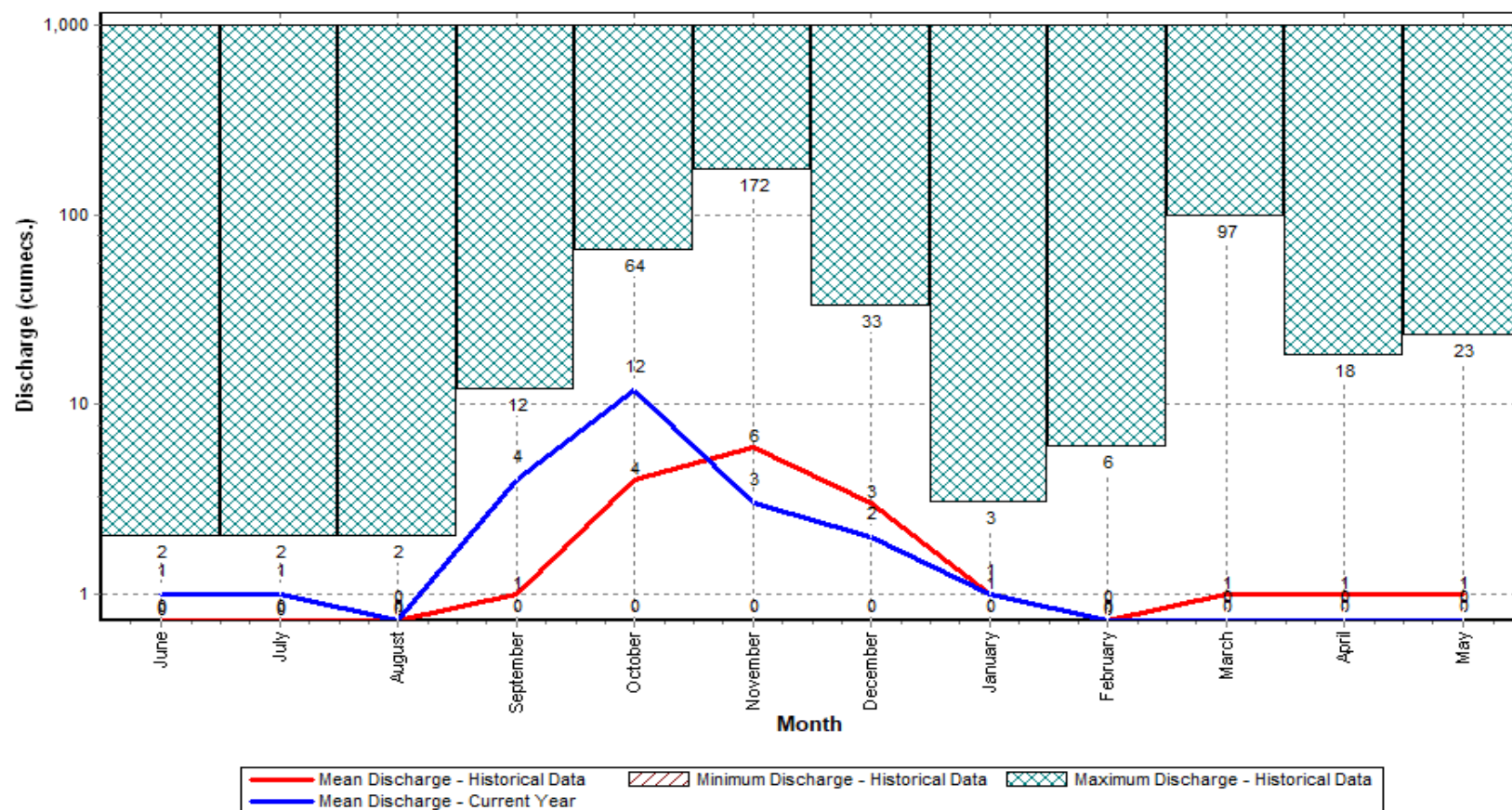
#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Station Name : GANDHAVAYAL (CCG20C8)
Local River : Gandhayar

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019 Data considered : 2013-2019

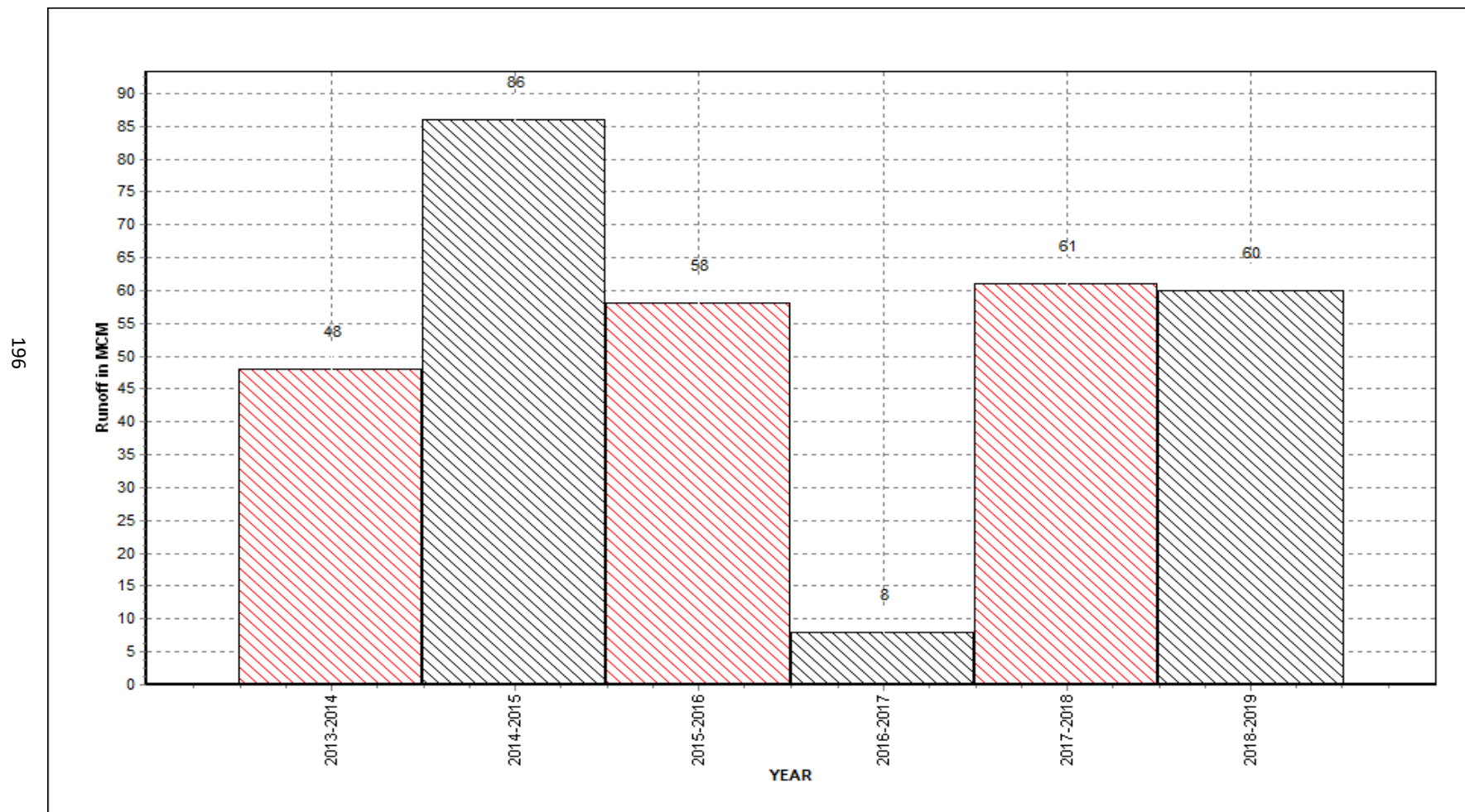
Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



Station Name : GANDHAVAYAL (CCG20C8)
Local River : Gandhayar

Annual Runoff Values for the period: 2013 - 2019

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore

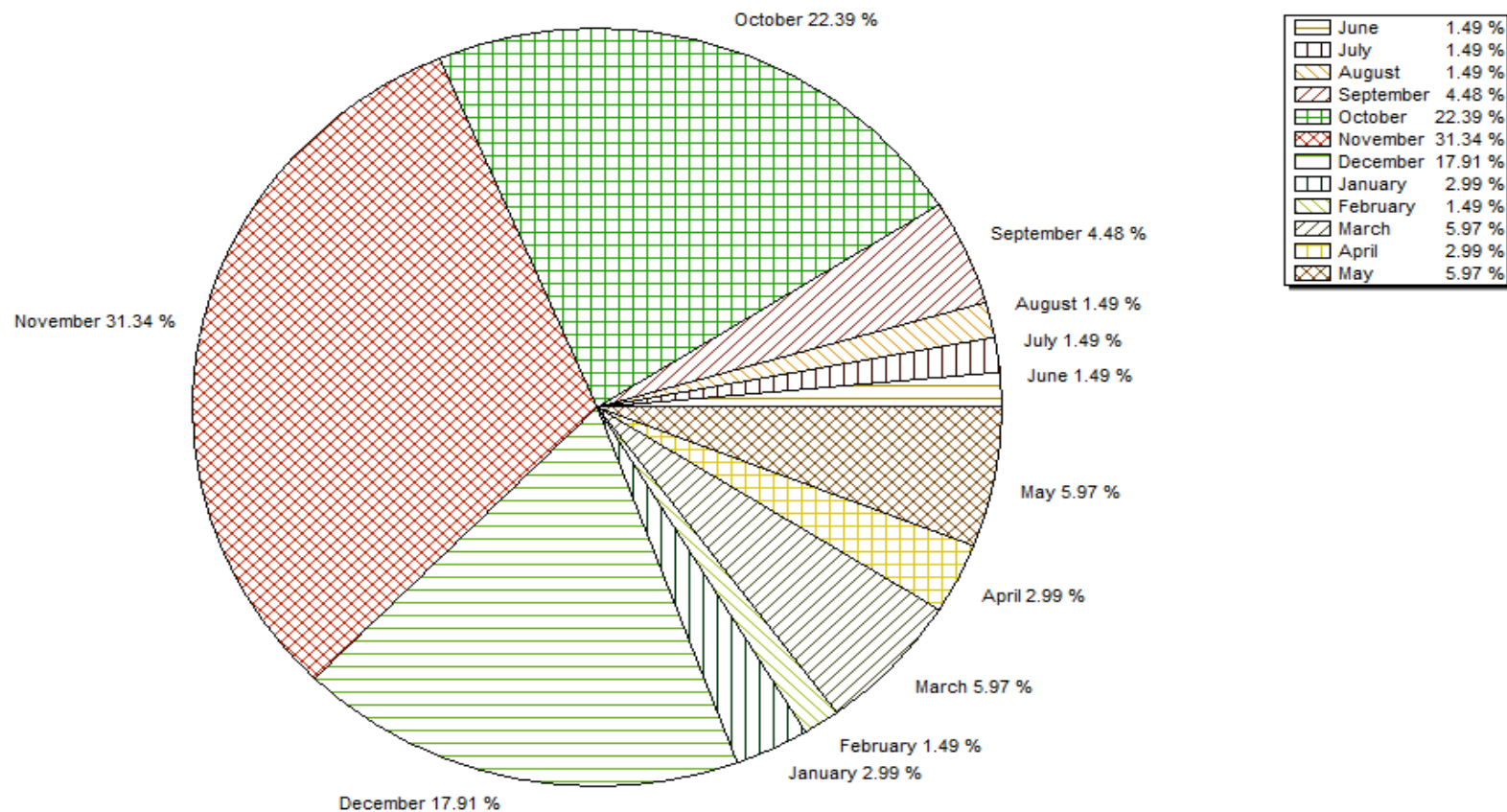


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : GANDHAVAYAL (CCG20C8)
Local River : Gandhayar

Monthly Average Runoff based on period : 2013-2018

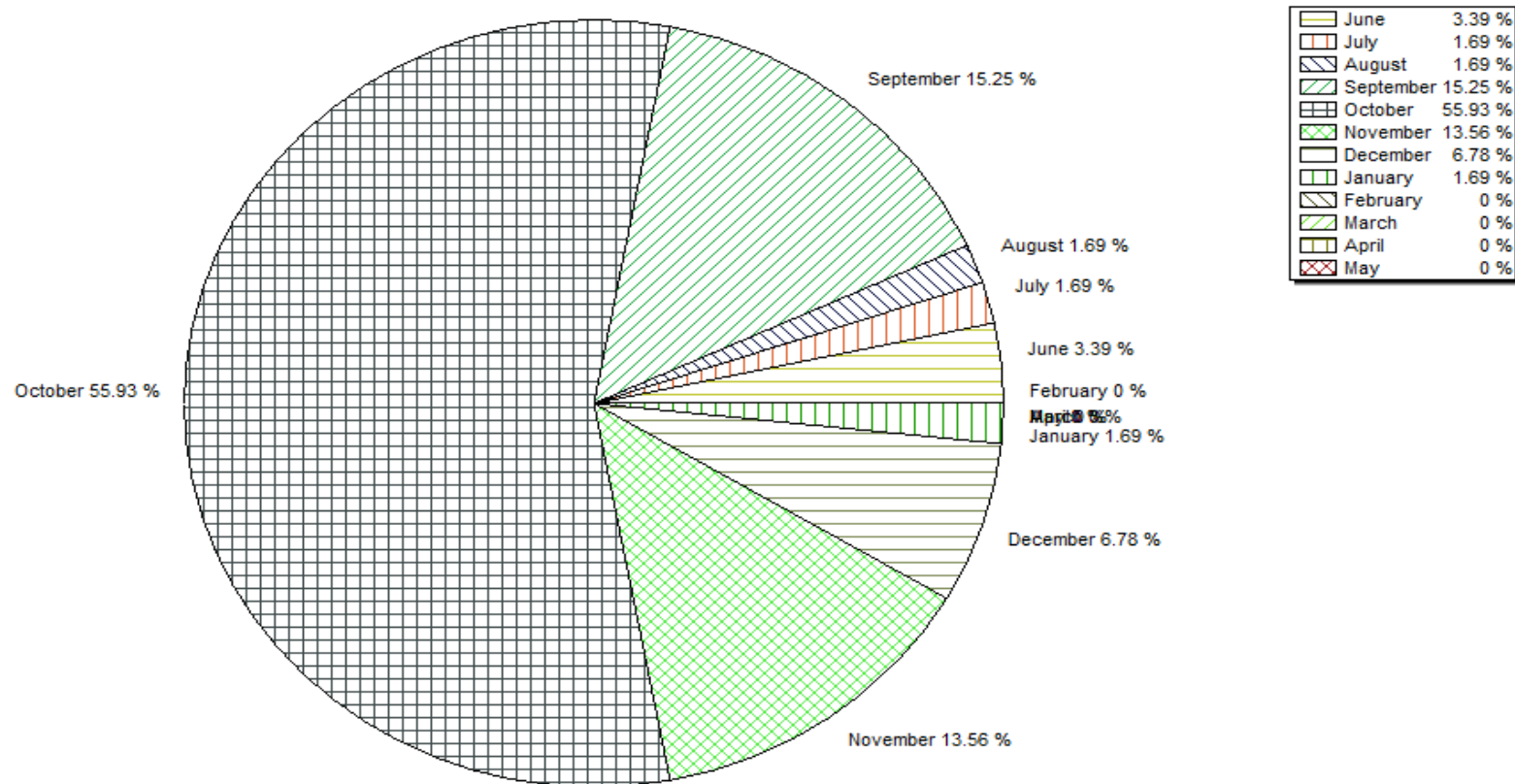
Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



Station Name : GANDHAVAYAL (CCG20C8)
Local River : Gandhayar

Monthly Runoff for the Year : 2018-2019

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore

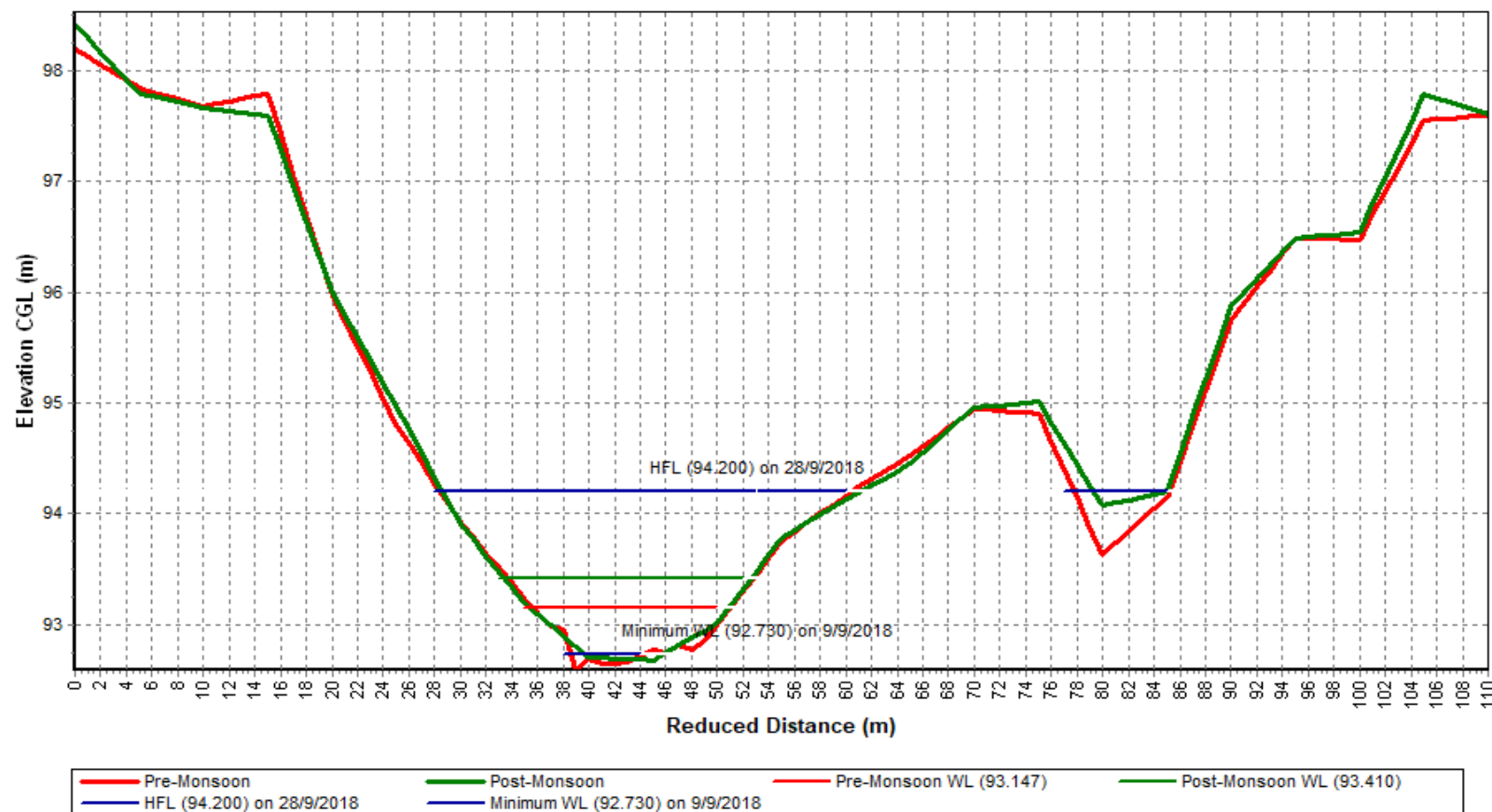


Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : GANDHAVAYAL (CCG20C8)
Local River : Gandhayar

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore

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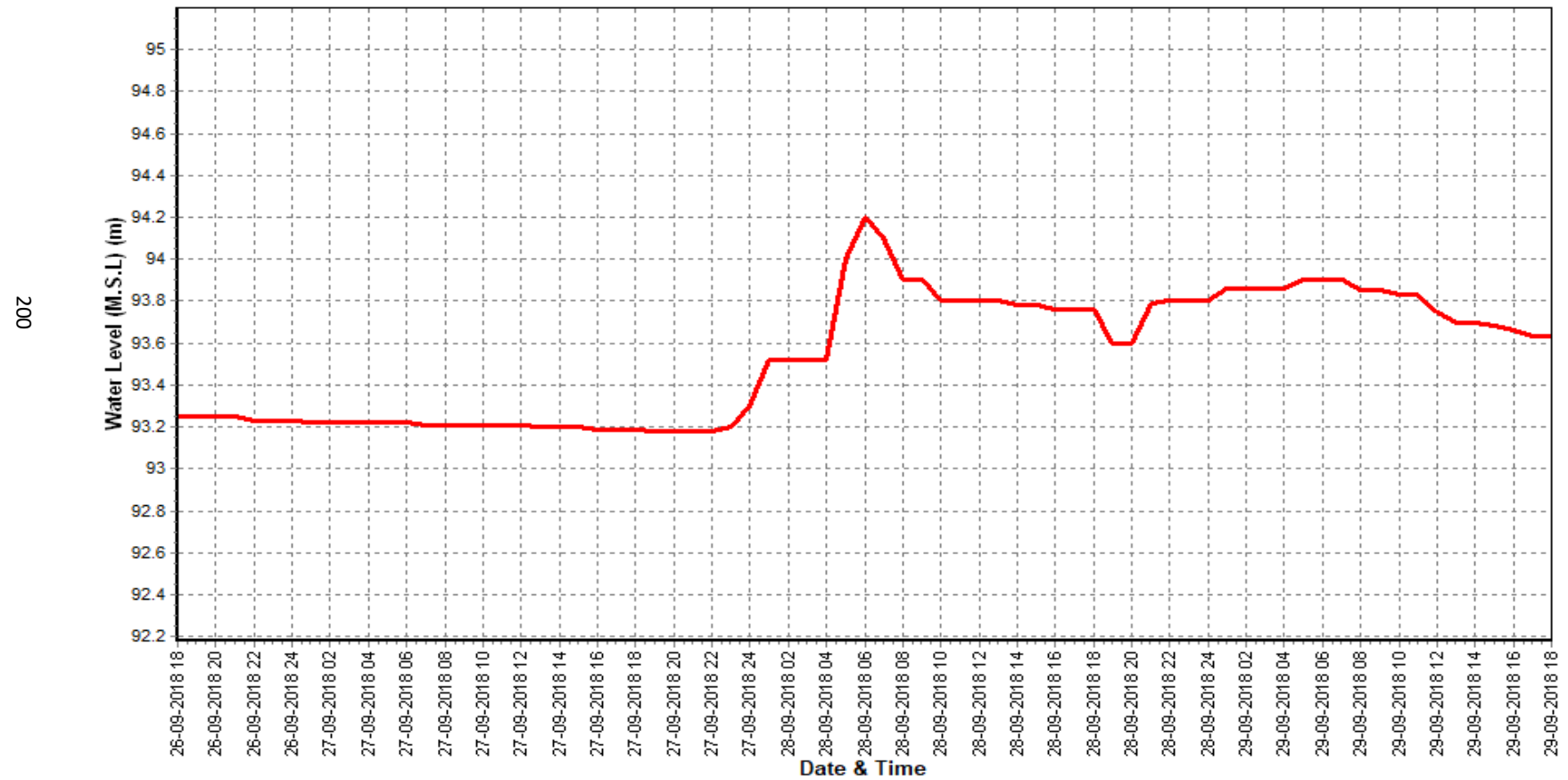
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : GANDHAVAYAL (CCG20C8)

Local River : Gandhayar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore



Time Span: 72 Hrs

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

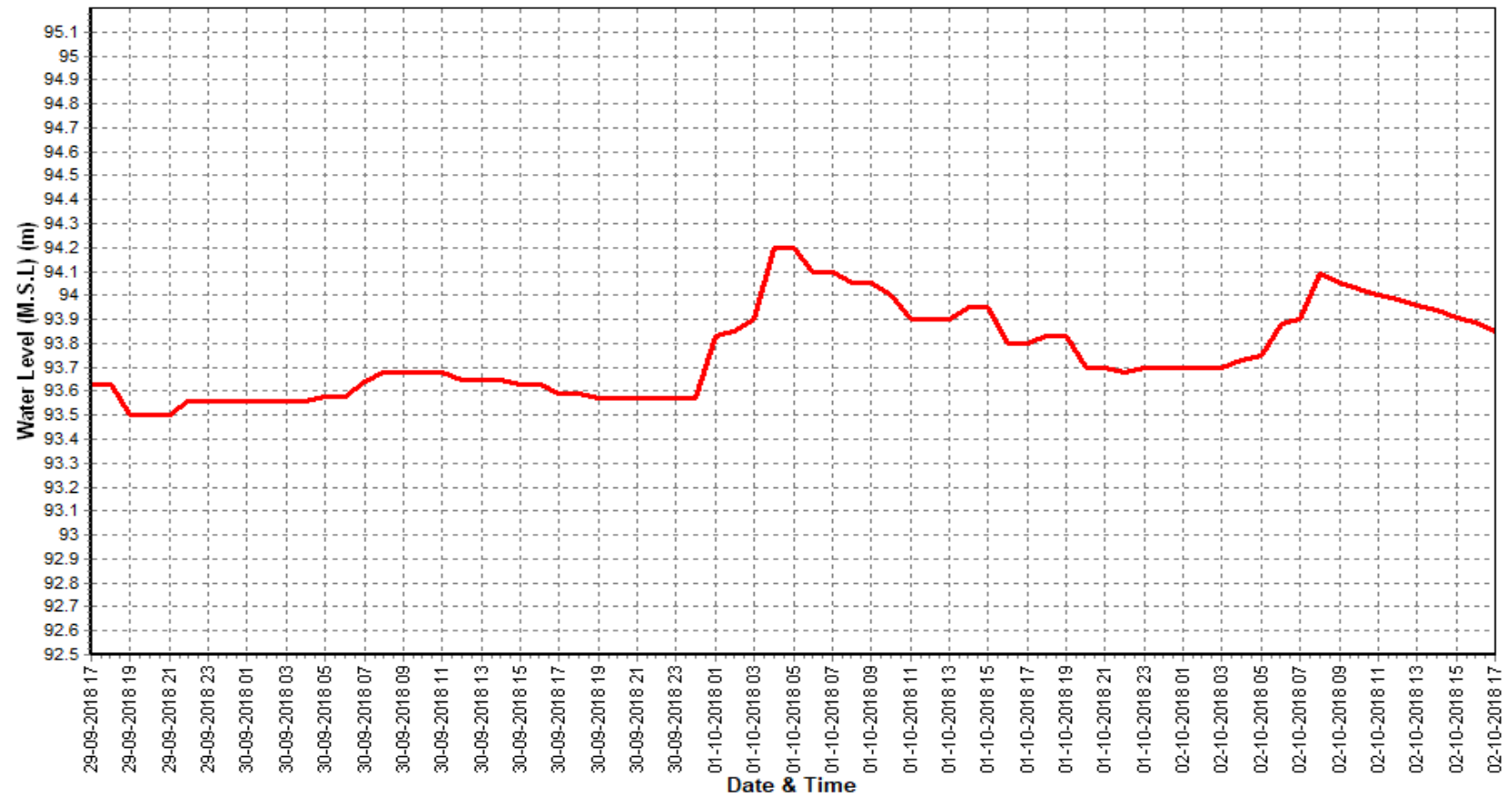
Station Name : GANDHAVAYAL (CCG20C8)

Local River : Gandhayar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

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Time Span: 72 Hrs

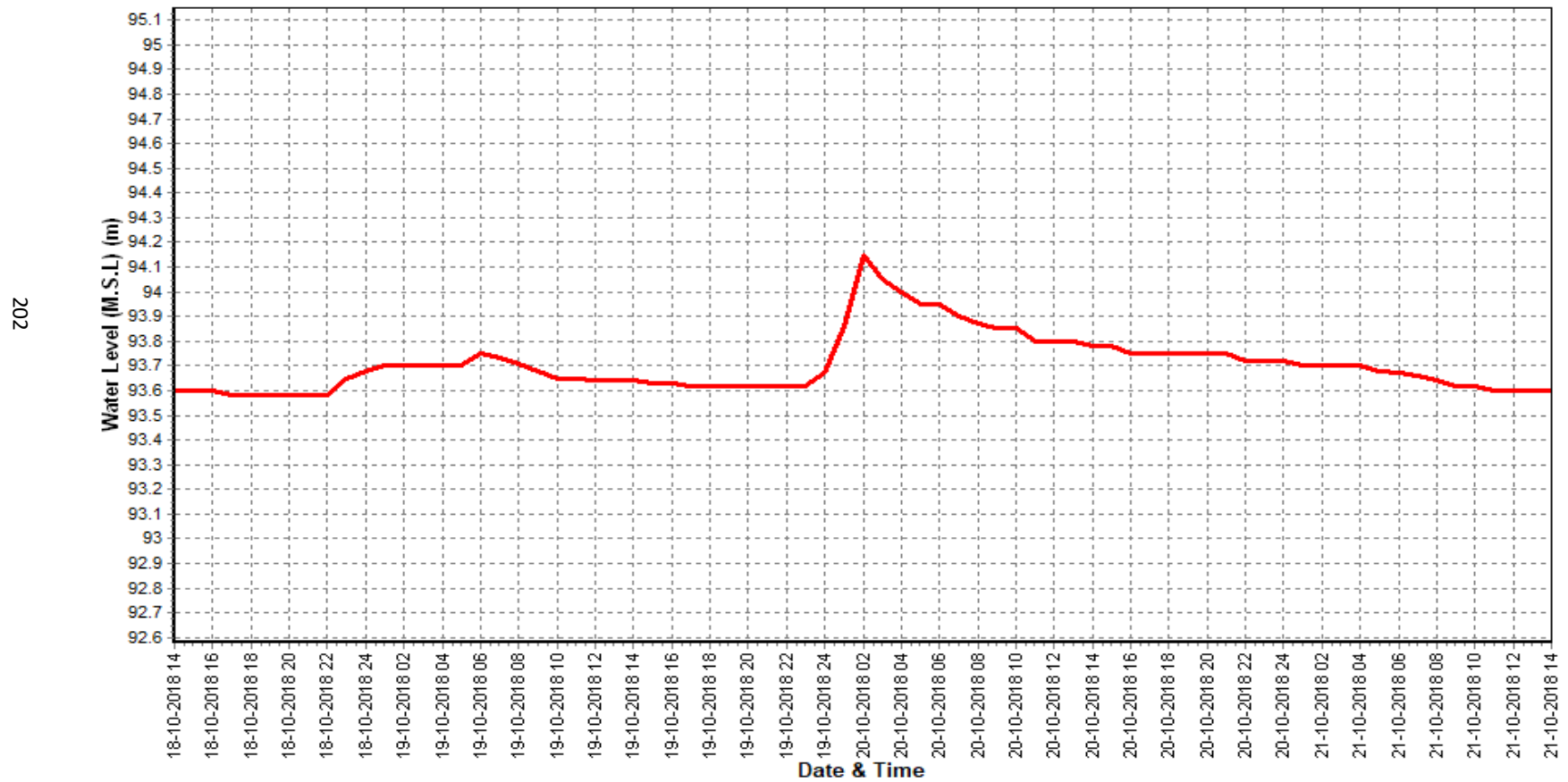
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : GANDHAVAYAL (CCG20C8)

Local River : Gandhayar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore



Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2018-2019

Site : NELLITHURAI

Code : CCG00Q8

State : Tamil Nadu

District : Coimbatore

Basin : Cauvery

Independent River : Cauvery

Tributary : Bhavani

Sub Tributary :

Sub-Sub Tributary :

Local River : Bhavani

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

Drainage Area : 1475 Sq. Km.

Bank : Right

Latitude : 11°17'16"

Longitude : 76°53'28"

Zero of Gauge (m) : 300.000 (m.s.l) Arb
 299.000 (m.s.l)
 301.000 (m.s.l)

23-05-78 - 31-05-83
 01-06-83 - 31-05-90
 01-06-90

Opening Date

Closing Date

Gauge : 23-05-78

Discharge : 01-06-79

Sediment : 01-07-02

Water Quality : 01-06-79

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1979-1980	1205	305.600	19-11-79	1.500	301.020	21-08-79
1980-1981	942.3	305.150	02-07-80	0.700	301.000	30-03-81
1981-1982	330.0	303.390	23-09-81	0.000	300.950	16-05-82
1982-1983	192.0	302.700	13-08-82	0.000	300.890	01-06-82
1983-1984	425.8	305.280	22-07-83	0.300	302.675	01-06-83
1984-1985	427.1	305.565	18-07-84	0.900	302.820	04-06-84
1985-1986	422.0	305.580	26-06-85	0.300	302.720	04-02-86
1986-1987	926.2	306.820	09-08-86	0.400	302.800	06-04-87
1987-1988	191.1	304.600	24-11-87	0.427	302.840	23-05-88
1988-1989	580.0	306.300	18-07-88	0.300	302.770	28-05-89
1989-1990	1348	308.250	23-07-89	0.000	302.735	04-04-90
1990-1991	412.2	305.350	26-10-90	0.000	302.685	01-04-91
1991-1992	535.2	306.372	28-07-91	0.000	302.944	03-09-91
1992-1993	808.6	306.772	15-11-92	0.660	303.013	27-01-93
1993-1994	340.7	304.951	11-11-93	0.544	302.908	26-09-93
1994-1995	1241	307.780	14-07-94	0.000	302.700	04-03-95
1995-1996	492.6	305.750	02-09-95	0.755	302.900	29-03-96
1996-1997	480.1	305.338	20-06-96	1.123	303.060	27-04-97

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

1997-1998	461.7	305.600	01-08-97	1.500	303.080	11-05-98
1998-1999	650.4	305.930	01-07-98	1.100	303.000	23-05-99
1999-2000	429.1	305.550	19-07-99	0.500	302.970	16-04-00
2000-2001	474.4	305.560	26-08-00	0.770	302.995	07-01-01
2001-2002	268.3	304.880	18-11-01	0.720	303.000	15-08-01
2002-2003	251.8	304.680	25-06-02	0.669	302.950	15-04-03
2003-2004	132.0	304.150	08-05-04	0.621	302.950	22-09-03
2004-2005	508.2	305.830	13-06-04	0.583	302.975	30-05-05
2005-2006	920.6	306.670	27-07-05	0.248	303.000	01-06-05
2006-2007	564.4	305.850	04-07-06	1.258	302.950	05-05-07
2007-2008	242.3	304.820	05-07-07	1.203	303.050	31-05-08
2008-2009	745.2	306.500	26-10-08	0.632	303.040	14-06-08
2009-2010	1478	307.300	16-07-09	0.844	302.965	20-05-10
2010-2011	239.1	304.760	26-02-11	1.035	303.040	31-01-11
2011-2012	673.6	306.200	03-09-11	1.141	303.000	29-09-11
2012-2013	204.5	304.810	22-10-12	1.242	303.060	31-10-12
2013-2014	985.9	307.050	02-08-13	0.479	302.965	04-02-14
2014-2015	261.3	304.930	02-08-14	0.000	304.350	06-05-15
2015-2016	647.8	306.220	25-06-15	0.000	304.450	09-06-15
2016-2017	102.7	304.050	19-09-16	0.000	305.550	25-01-17
2017-2018	0.000	305.520	01-06-17	0.000	305.520	01-06-17

Stage-Discharge Data for the period 2018 - 2019

Station Name : NELLITHURAI (CCG00Q8)

Division : SR Division, Coimbatore

Local River : Bhavani

Sub-Division : Middle Cauvery SD, Coimbatore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	305.310	0.000	305.540	0.000	306.100	0.000	305.040	0.000	306.800	0.000	305.980	0.000
2	305.150	0.000	305.210	0.000	306.730	0.000	306.650	0.000	306.200	0.000	305.500	0.000
3	306.500	0.000	304.890	0.000	305.180	0.000	305.880	0.000	306.140	0.000	306.140	0.000
4	305.850	0.000	305.850	0.000	305.190	0.000	305.270	0.000	305.250	0.000	305.450	0.000
5	305.520	0.000	305.780	0.000	305.160	0.000	305.240	0.000	306.400	0.000	305.100	0.000
6	305.500	0.000	305.120	0.000	305.920	0.000	306.400	0.000	306.710	0.000	305.300	0.000
7	305.330	0.000	305.800	0.000	306.630	0.000	306.300	0.000	305.510	0.000	305.440	0.000
8	305.280	0.000	306.800	0.000	306.270	0.000	306.690	0.000	306.460	0.000	305.580	0.000
9	306.480	0.000	305.890	0.000	305.000	227.7	306.150	0.000	305.920	0.000	305.880	0.000
10	306.380	0.000	306.850	0.000	304.700	181.0	306.660	0.000	306.000	0.000	305.750	0.000
11	306.700	823.3	306.200	622.4	305.570	0.000	306.250	0.000	305.500	0.000	305.100	0.000
12	305.380	399.0	305.500	349.8	306.000	0.000	306.460	0.000	305.780	0.000	306.520	0.000
13	305.500	436.2	305.100	251.3	305.900	0.000	306.330	0.000	305.800	0.000	306.310	0.000
14	304.800	225.6	304.800	197.5	306.600	655.0	305.930	0.000	305.300	0.000	305.150	0.000
15	304.800	225.6	305.000	245.4 *	307.300	1057 *	306.870	0.000	304.700	0.000	306.480	0.000
16	306.200	0.000	304.920	219.3	307.000	819.7	306.200	0.000	305.280	0.000	305.880	0.000
17	303.560	0.000	305.300	299.7	307.960	1476	305.900	0.000	306.270	0.000	305.600	0.000
18	304.870	0.000	305.140	260.2	306.200	619.8	305.250	0.000	306.000	0.000	305.700	0.000
19	305.540	0.000	304.640	171.1	305.540	380.2 *	306.330	0.000	305.510	0.000	305.860	0.000
20	305.260	0.000	306.360	0.000	305.000	227.7	306.630	0.000	306.620	0.000	305.290	0.000
21	305.540	0.000	306.540	0.000	304.680	177.6	306.200	0.000	306.000	0.000	305.520	0.000
22	306.440	0.000	304.930	0.000	305.210	0.000	306.400	0.000	305.660	0.000	305.850	0.000
23	306.480	0.000	305.840	0.000	307.000	0.000	306.750	0.000	306.850	0.000	305.300	0.000
24	306.700	0.000	306.100	0.000	306.460	0.000	305.100	0.000	305.200	0.000	304.700	0.000
25	305.480	0.000	306.330	0.000	305.410	0.000	305.960	0.000	306.290	0.000	305.400	0.000
26	305.980	0.000	306.000	0.000	305.810	0.000	305.640	0.000	306.370	0.000	305.880	0.000
27	305.180	0.000	306.500	0.000	306.900	0.000	305.540	0.000	305.880	0.000	305.090	0.000
28	306.660	0.000	306.780	0.000	305.900	0.000	305.410	0.000	304.870	0.000	305.970	0.000
29	305.760	0.000	305.920	0.000	306.660	0.000	305.620	0.000	306.410	0.000	305.590	0.000
30	305.750	0.000	306.200	0.000	306.520	0.000	306.570	0.000	305.600	0.000	305.300	0.000
31			306.060	0.000	306.100	0.000			304.850	0.000		
Ten-Daily Mean												
I Ten-Daily	305.730	0.000	305.773	0.000	305.688	40.87	306.028	0.000	306.139	0.000	305.612	0.000
II Ten-Daily	305.261	211.0	305.296	261.7	306.307	523.5	306.215	0.000	305.676	0.000	305.789	0.000
III Ten-Daily	305.997	0.000	306.109	0.000	306.059	16.15	305.919	0.000	305.816	0.000	305.460	0.000
Monthly												
Min.	303.560	0.000	304.640	0.000	304.680	0.000	305.040	0.000	304.700	0.000	304.700	0.000
Max.	306.700	823.3	306.850	622.4	307.960	1476	306.870	0.000	306.850	0.000	306.520	0.000
Mean	305.663	70.32	305.738	84.41	306.019	187.8	306.054	0	305.875	0	305.620	0

Annual Runoff in MCM = 911 Annual Runoff in mm = 618

Peak Observed Discharge = 1476 cumecs on 17-08-2018 Corres. Water Level :307.96 m

Lowest Observed Discharge = 0.000 cumecs on 01-06-2018 Corres. Water Level :305.31 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : NELLITHURAI (CCG00Q8)

Division : SR Division, Coimbatore

Local River : Bhavani

Sub-Division : Middle Cauvery SD, Coimbatore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	305.550	0.000	305.160	0.000	304.900	0.000	305.880	0.000	304.480	0.000	304.900	0.000
2	305.120	0.000	304.900	0.000	305.100	0.000	305.450	0.000	304.460	0.000	304.920	0.000
3	305.830	0.000	305.380	0.000	305.090	0.000	305.170	0.000	304.980	0.000	305.530	0.000
4	306.280	0.000	304.900	0.000	304.900	0.000	304.950	0.000	305.010	0.000	305.000	0.000
5	305.000	0.000	305.270	0.000	305.360	0.000	305.700	0.000	304.940	0.000	304.700	0.000
6	305.060	0.000	305.000	0.000	305.120	0.000	306.100	0.000	305.100	0.000	305.070	0.000
7	305.570	0.000	305.290	0.000	305.140	0.000	305.050	0.000	304.860	0.000	305.180	0.000
8	305.000	0.000	305.610	0.000	305.140	0.000	306.900	0.000	304.520	0.000	305.280	0.000
9	305.000	0.000	305.960	0.000	305.720	0.000	305.000	0.000	304.350	0.000	305.300	0.000
10	305.090	0.000	306.180	0.000	305.580	0.000	305.420	0.000	304.990	0.000	305.250	0.000
11	305.000	0.000	306.060	0.000	306.090	0.000	305.640	0.000	305.710	0.000	305.980	0.000
12	304.990	0.000	305.600	0.000	304.710	0.000	305.200	0.000	304.860	0.000	305.950	0.000
13	305.200	0.000	305.200	0.000	304.700	0.000	304.950	0.000	304.780	0.000	305.660	0.000
14	305.000	0.000	305.100	0.000	305.000	0.000	305.270	0.000	306.910	0.000	305.300	0.000
15	306.320	0.000	304.700	0.000	305.360	0.000	305.450	0.000	305.420	0.000	305.120	0.000
16	305.040	0.000	304.300	0.000	305.380	0.000	305.550	0.000	306.000	0.000	304.880	0.000
17	304.520	0.000	304.300	0.000	305.400	0.000	305.470	0.000	305.480	0.000	305.260	0.000
18	305.090	0.000	303.940	0.000	305.420	0.000	305.060	0.000	305.390	0.000	305.250	0.000
19	304.900	0.000	304.000	0.000	305.290	0.000	304.450	0.000	305.210	0.000	305.380	0.000
20	305.590	0.000	305.060	0.000	305.380	0.000	305.140	0.000	304.770	0.000	306.200	0.000
21	305.880	0.000	304.700	0.000	305.080	0.000	305.080	0.000	304.640	0.000	305.040	0.000
22	305.390	0.000	304.900	0.000	305.200	0.000	305.270	0.000	304.410	0.000	305.150	0.000
23	305.100	0.000	305.550	0.000	305.130	0.000	305.420	0.000	304.500	0.000	304.900	0.000
24	305.000	0.000	304.620	0.000	305.170	0.000	305.350	0.000	304.490	0.000	305.120	0.000
25	305.180	0.000	305.640	0.000	305.260	0.000	305.520	0.000	304.510	0.000	305.100	0.000
26	305.040	0.000	305.800	0.000	305.000	0.000	305.250	0.000	305.250	0.000	305.120	0.000
27	305.100	0.000	305.770	0.000	305.530	0.000	305.250	0.000	306.600	0.000	305.140	0.000
28	305.290	0.000	305.990	0.000	305.370	0.000	305.420	0.000	306.140	0.000	305.150	0.000
29	305.340	0.000	305.070	0.000			306.180	0.000	305.150	0.000	305.160	0.000
30	305.050	0.000	305.600	0.000			305.100	0.000	304.860	0.000	305.240	0.000
31	305.140	0.000	305.100	0.000			305.260	0.000			305.170	0.000
Ten-Daily Mean												
I Ten-Daily	305.350	0.000	305.365	0.000	305.205	0.000	305.562	0.000	304.769	0.000	305.113	0.000
II Ten-Daily	305.165	0.000	304.826	0.000	305.273	0.000	305.218	0.000	305.453	0.000	305.498	0.000
III Ten-Daily	305.228	0.000	305.340	0.000	305.218	0.000	305.373	0.000	305.055	0.000	305.117	0.000
Monthly												
Min.	304.520	0.000	303.940	0.000	304.700	0.000	304.450	0.000	304.350	0.000	304.700	0.000
Max.	306.320	0.000	306.180	0.000	306.090	0.000	306.900	0.000	306.910	0.000	306.200	0.000
Mean	305.247	0	305.182	0	305.233	0	305.384	0	305.092	0	305.239	0

Peak Computed Discharge = 1057 cumecs on 15-08-2018

Corres. Water Level :307.3 m

Lowest Computed Discharge = 245.4 cumecs on 15-07-2018

Corres. Water Level :305 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

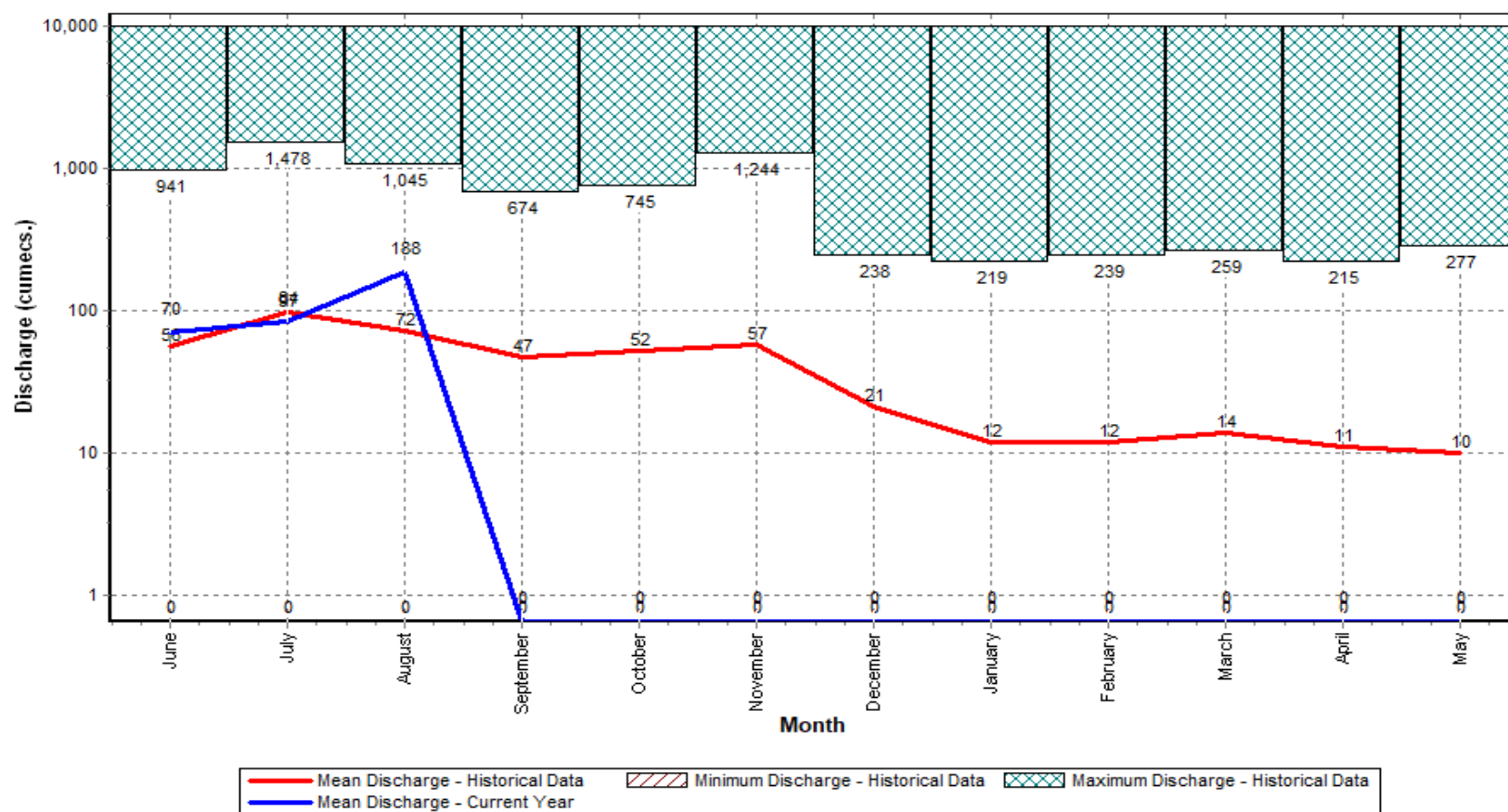
Station Name : NELLITHURAI (CCG00Q8)

Data considered : 1984-2019

Local River : Bhavani

Division : SR Division, Coimbatore

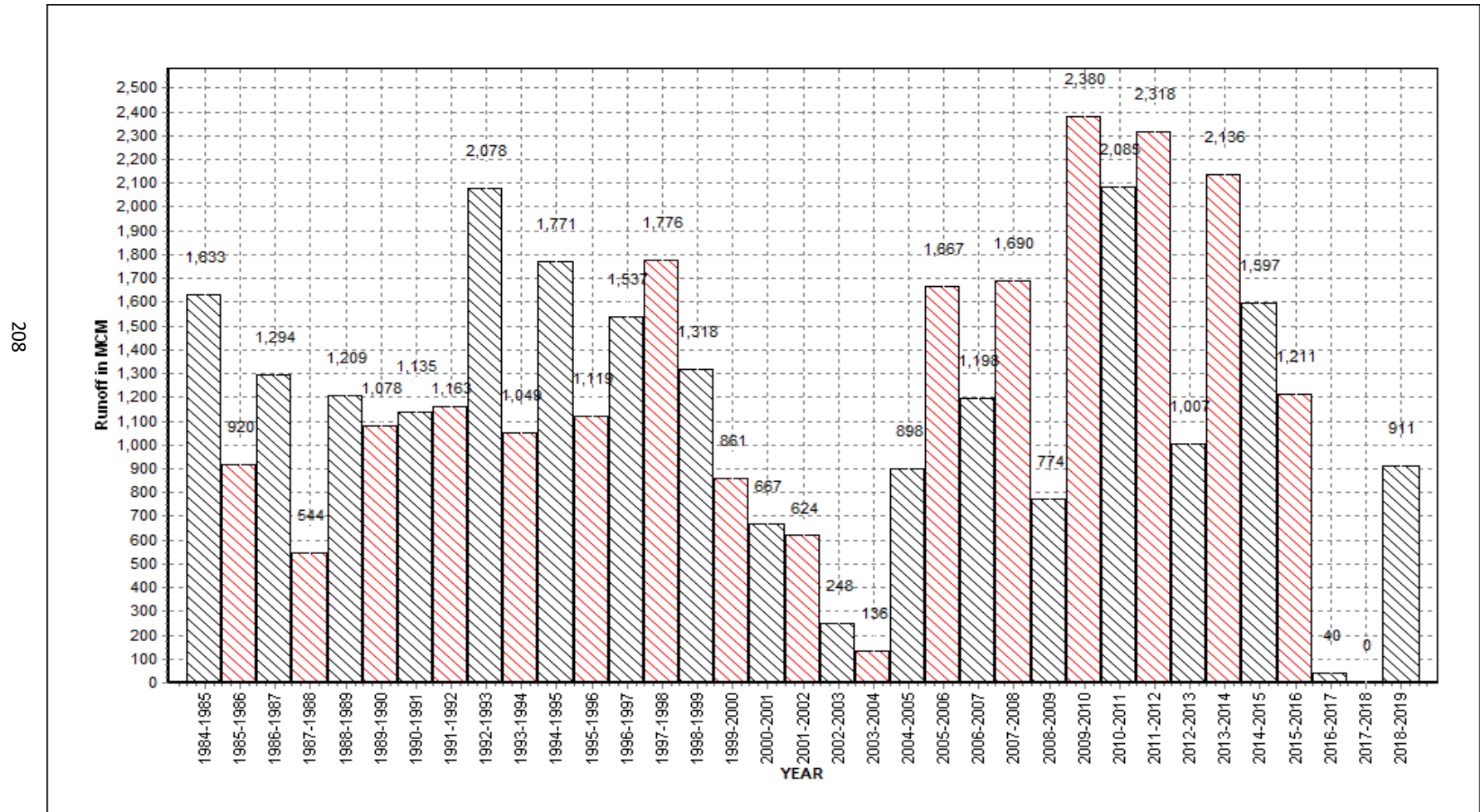
Sub-Division : Middle Cauvery SD, Coimbatore



Annual Runoff Values for the period: 1984 - 2019

Station Name : NELLITHURAI (CCG00Q8)
Local River : Bhavani

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore

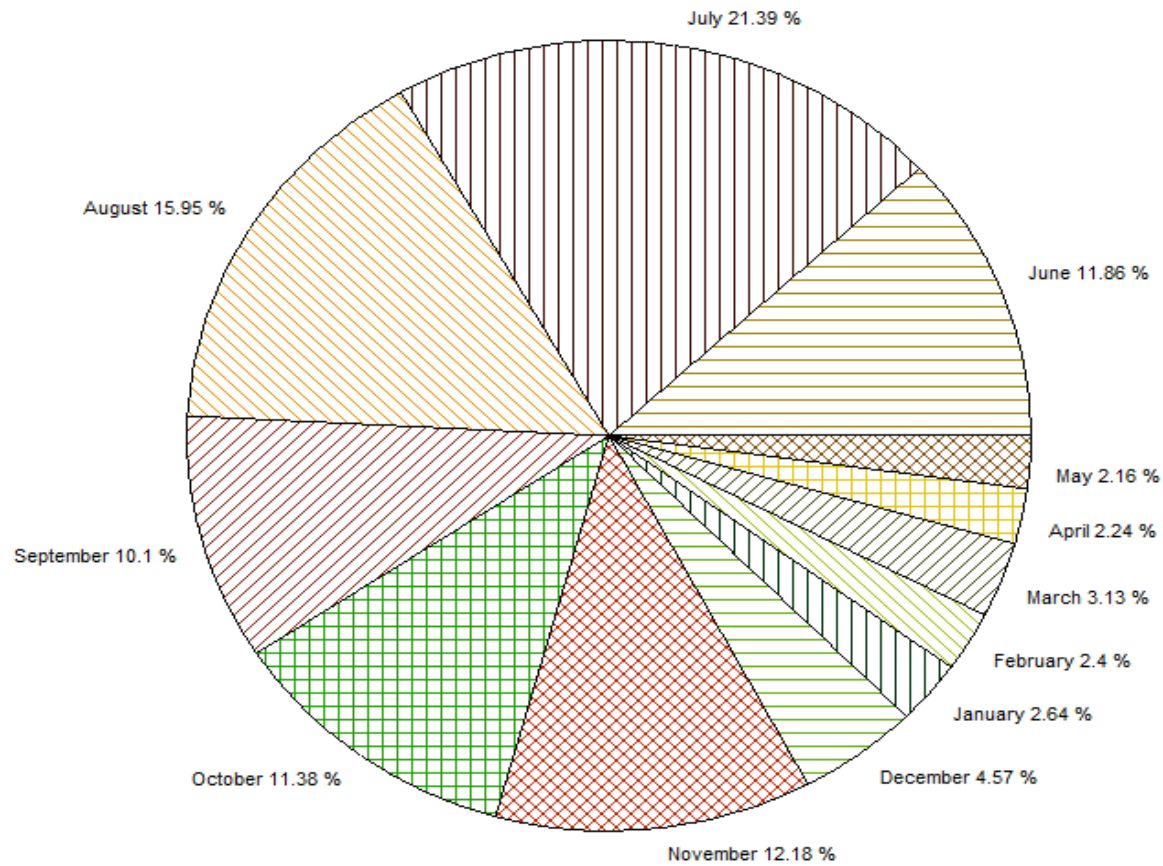


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : NELLITHURAI (CCG00Q8)
Local River : Bhavani

Monthly Average Runoff based on period : 1984-2018

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore

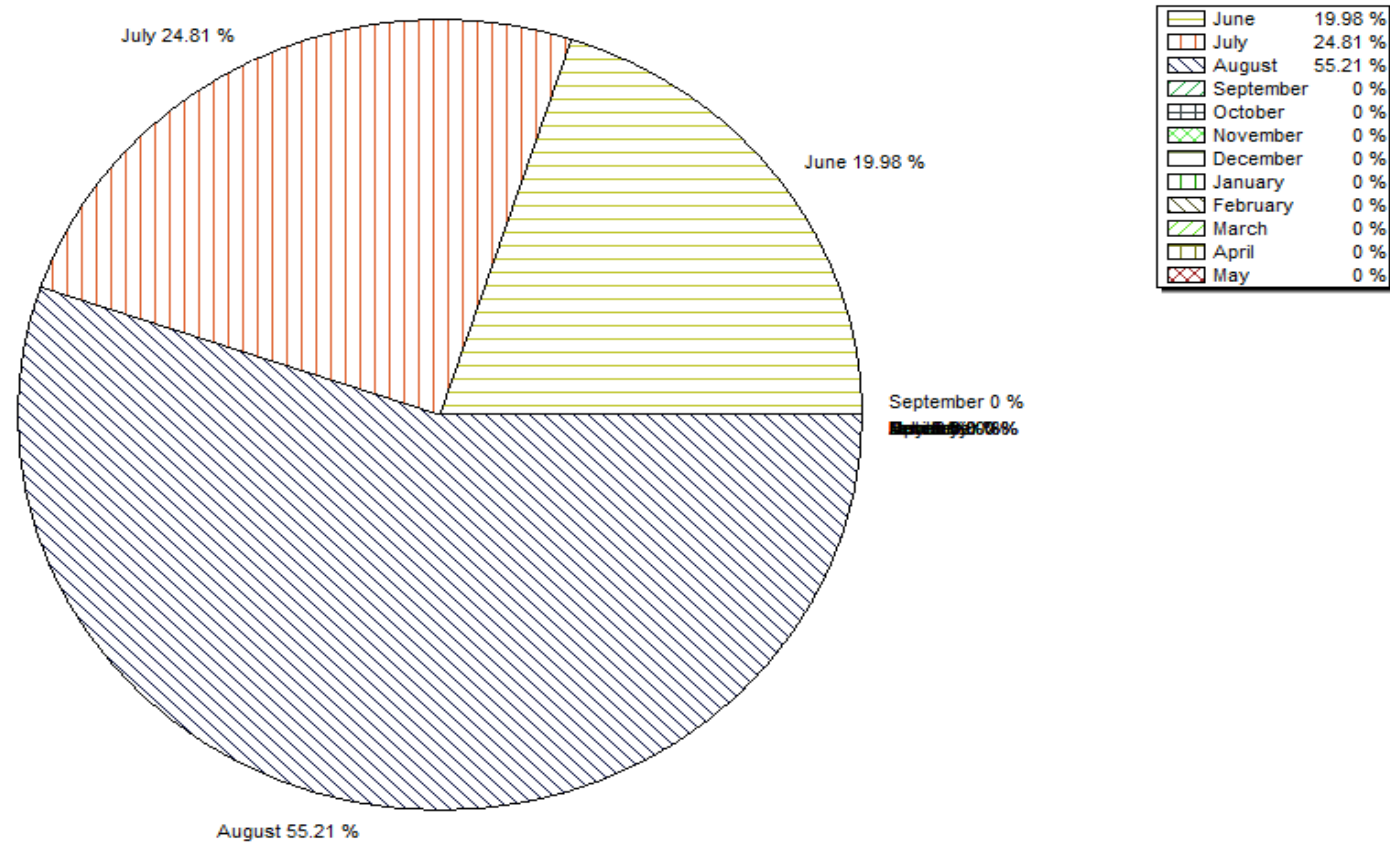


June	11.86 %
July	21.39 %
August	15.95 %
September	10.1 %
October	11.38 %
November	12.18 %
December	4.57 %
January	2.64 %
February	2.4 %
March	3.13 %
April	2.24 %
May	2.16 %

Station Name : NELLITHURAI (CCG00Q8)
Local River : Bhavani

Monthly Runoff for the Year : 2018-2019

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



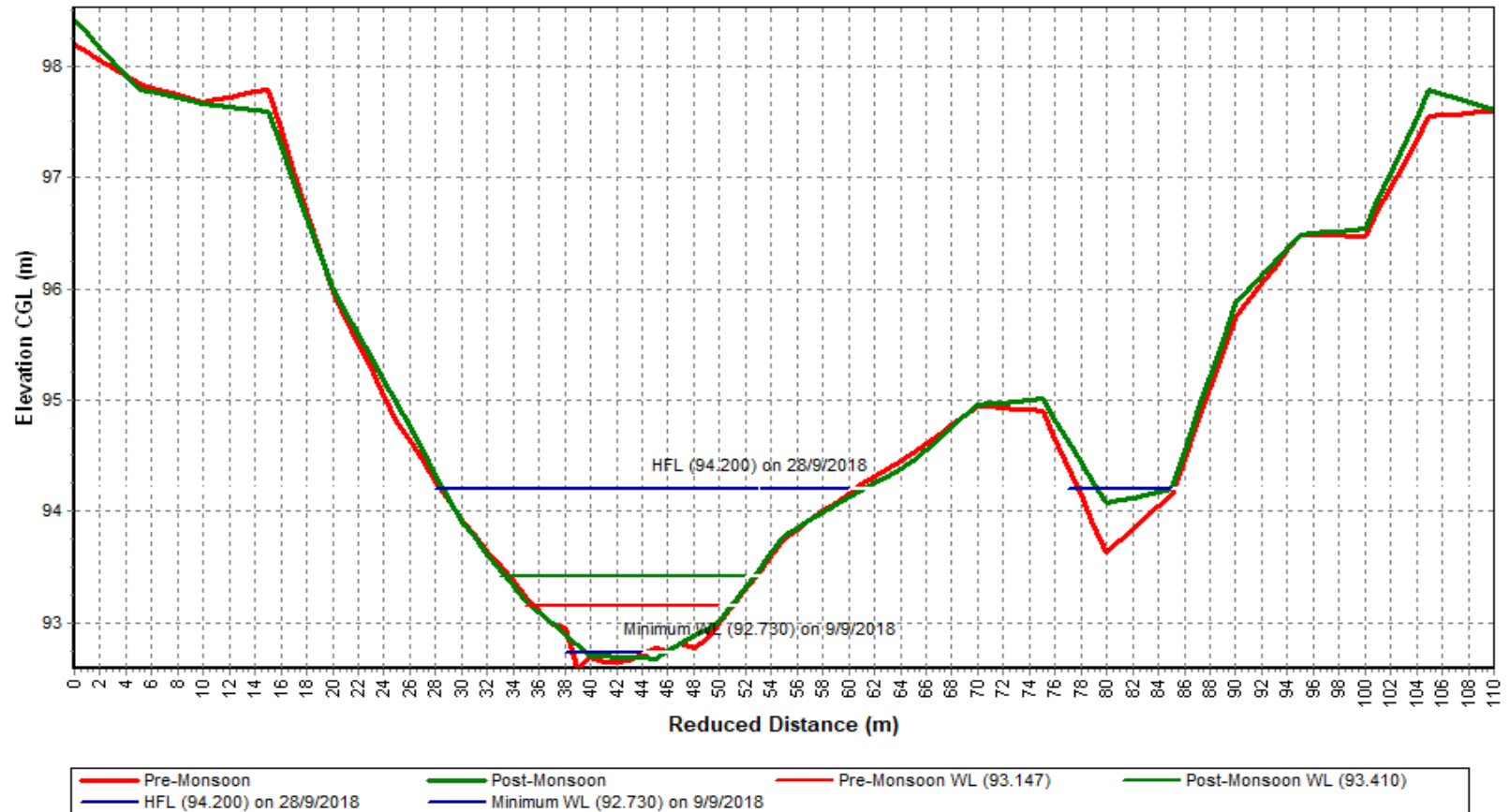
Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : NELLITHURAI (CCG00Q8)

Local River : Bhavani

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore



Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

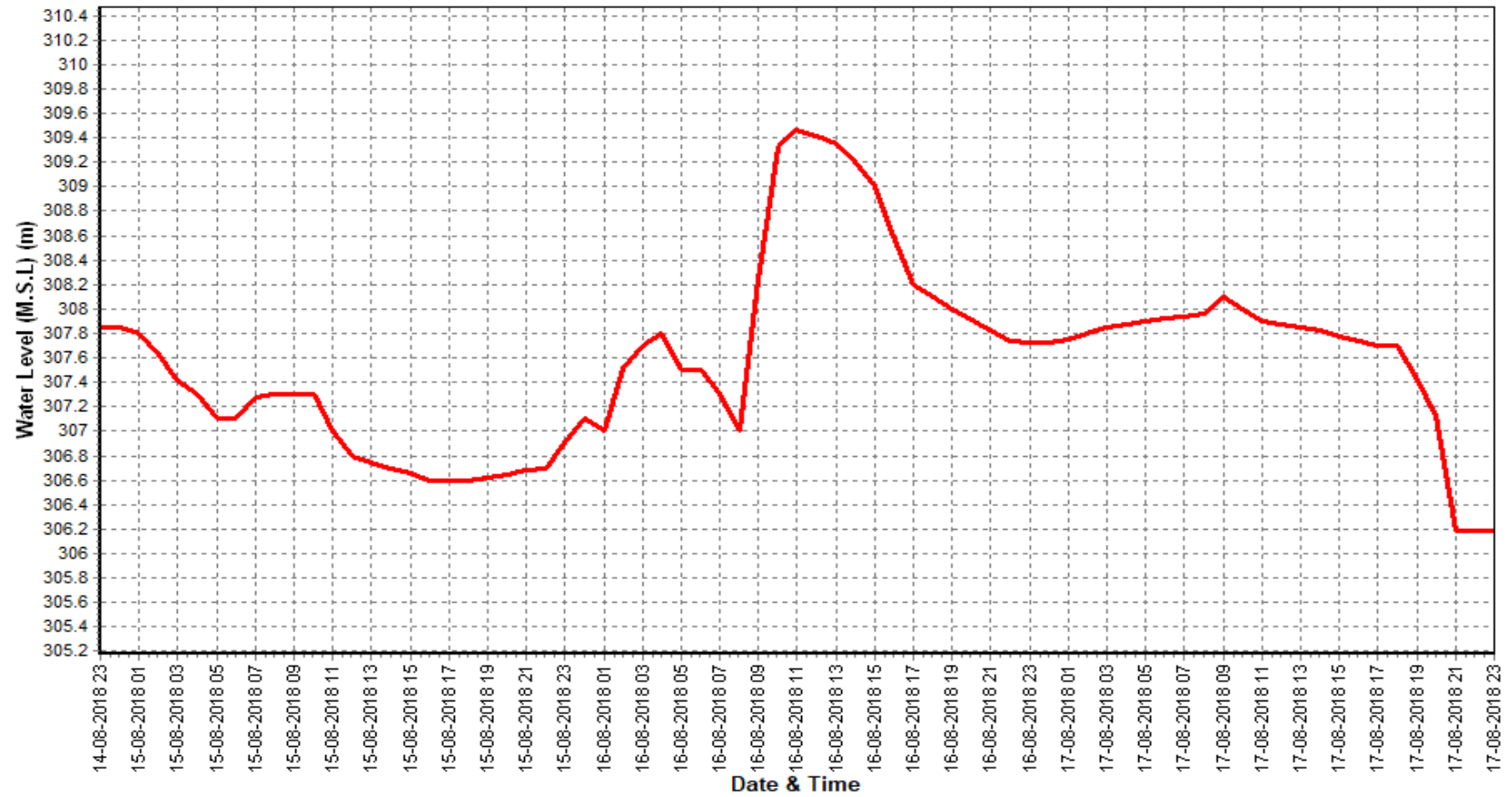
Station Name : NELLITHURAI (CCG00Q8)

Local River : Bhavani

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

212



Time Span: 72 Hrs

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

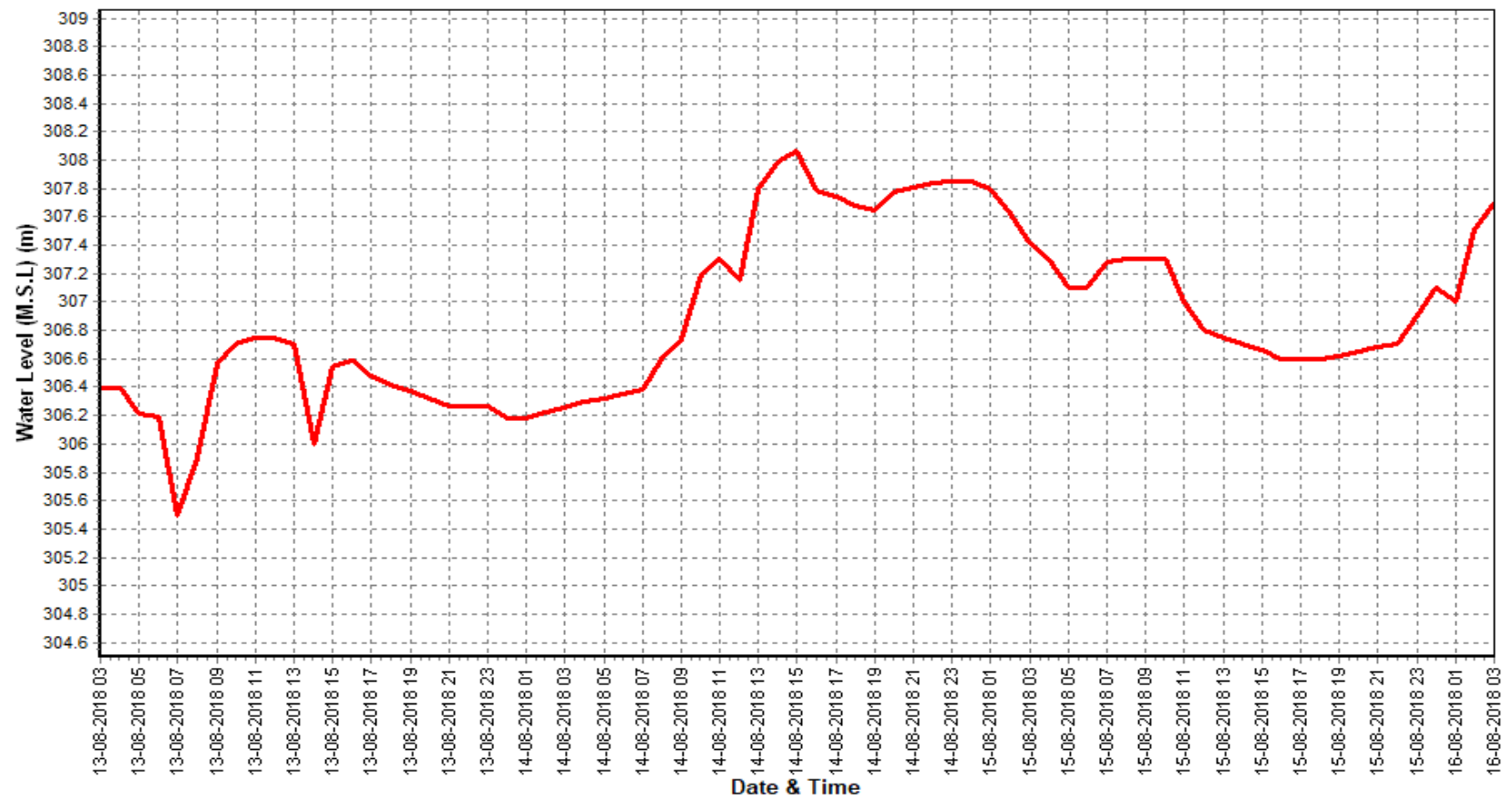
Station Name : NELLITHURAI (CCG00Q8)

Local River : Bhavani

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

213



Time Span: 72 Hrs

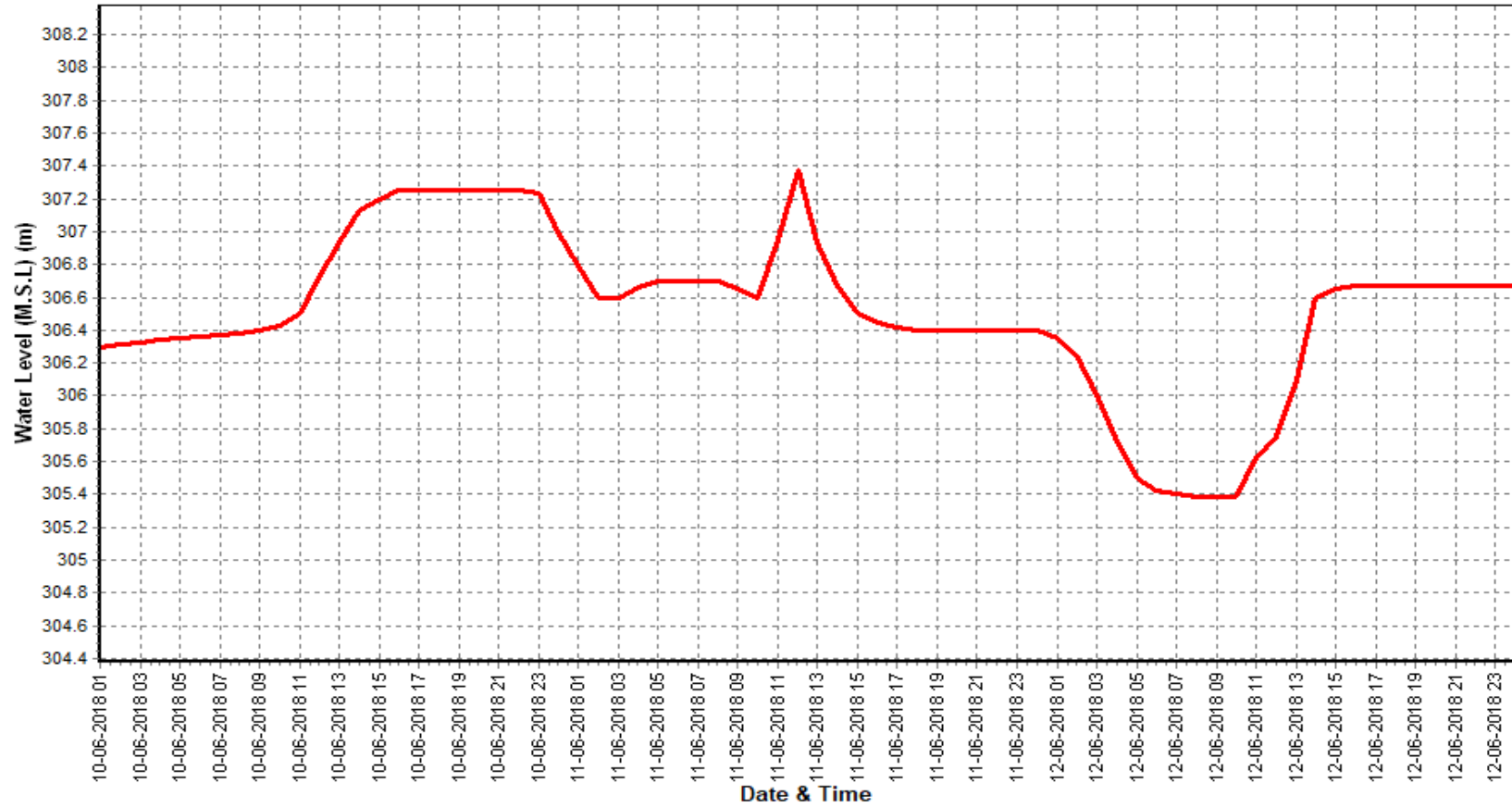
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : NELLITHURAI (CCG00Q8)

Local River : Bhavani

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore



Time Span: 72 Hrs

HISTORY SHEET

		Water Year	: 2018-2019
Site	: KUKKALTHURAI	Code	: KUKKALTHURAI
State	: Tamil Nadu	District	Nilgiris
Basin	: Cauvery	Independent River	: Cauvery
Tributary	: Bhavani	Sub Tributary	: -
Sub-Sub Tributary	: Moyyar	Local River	: Kukkalthalla
Division	: SR Division, Coimbatore	Sub-Division	: Middle Cauvery SD, Coimbatore
Drainage Area	: 60.52 Sq. Km.	Bank	:
Latitude	: 11°29'08"	Longitude	: 76°49'57"
Zero of Gauge (m)	: 1495 (Arb)	08-08-16	
	Opening Date	Closing Date	
Gauge	: 08-08-16		
Discharge	: 01-11-18		
Sediment	:		
Water Quality	:		

Stage-Discharge Data for the period 2018 - 2019

Station Name : KUKKALTHURAI (KUKKALTHURAI)

Division : SR Division, Coimbatore

Local River : Kukkalhalla

Sub-Division : Middle Cauvery SD, Coimbatore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1											1496.220	0.778 *
2											1496.160	0.568
3											1496.230	0.936
4											1496.420	1.596 *
5											1496.320	1.120
6											1496.210	0.785
7											1496.180	0.660
8											1496.150	0.531
9											1496.140	0.541
10											1496.130	0.500
11											1496.110	0.435 *
12											1496.100	0.402
13											1496.090	0.389
14											1496.070	0.341
15											1496.060	0.322
16											1496.100	0.394
17											1496.170	0.579
18											1496.150	0.550 *
19											1496.280	0.968
20											1496.180	0.587
21											1496.160	0.581 *
22											1496.240	0.957
23											1496.350	1.282 *
24											1496.350	1.292
25											1496.310	1.116 *
26											1496.250	0.854
27											1496.230	0.839
28											1496.190	0.612
29											1496.170	0.571
30											1496.240	0.850
31												
Ten-Daily Mean												
I Ten-Daily											1496.216	0.802
II Ten-Daily											1496.131	0.497
III Ten-Daily											1496.249	0.895
Monthly												
Min.											1496.060	0.322
Max.											1496.420	1.596
Mean											1496.199	0.731

Annual Runoff in MCM = 4 Annual Runoff in mm = 68

Peak Observed Discharge = 1.292 cumecs on 24-11-2018 Corres. Water Level :1496.35 m

Lowest Observed Discharge = 0.000 cumecs on 22-02-2019 Corres. Water Level :1495.58 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

#:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : KUKKALTHURAI (KUKKALTHURAI)

Division : SR Division, Coimbatore

Local River : Kukkallhalla

Sub-Division : Middle Cauvery SD, Coimbatore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	1496.190	0.602	1496.000	0.273	1495.880	0.096	1495.570	0.000	1495.760	0.000	1495.910	0.000
2	1496.170	0.524 *	1495.980	0.202	1495.850	0.075	1496.260	0.703 #	1495.750	0.000	1495.900	0.000
3	1496.150	0.535	1495.990	0.234	1495.880	0.105 *	1496.010	0.261 *	1495.820	0.000	1495.780	0.000
4	1496.130	0.516	1495.970	0.193	1495.850	0.079	1495.930	0.201	1495.730	0.000	1495.830	0.000
5	1496.170	0.566	1495.960	0.182	1495.840	0.075	1495.890	0.135	1495.690	0.000	1495.800	0.000
6	1496.150	0.530	1495.960	0.194 *	1495.840	0.077	1495.850	0.089		0.000	1495.800	0.000
7	1496.140	0.522	1495.960	0.182	1495.830	0.059	1495.830	0.000		0.000	1495.810	0.000
8	1496.130	0.479	1495.970	0.183	1495.830	0.064	1495.810	0.000		0.000	1495.980	0.175
9	1496.100	0.400 *	1495.950	0.150	1495.820	0.052	1495.770	0.000		0.000	1495.930	0.124
10	1496.100	0.416	1495.940	0.139	1495.830	0.061 *	1495.790	0.000		0.000	1496.050	0.341
11	1496.090	0.368	1495.930	0.134	1495.850	0.092	1495.800	0.000		0.000	1495.970	0.167
12	1496.090	0.390	1495.910	0.130	1495.870	0.101	1495.790	0.000		0.000	1496.000	0.225 *
13	1496.080	0.351	1495.910	0.136 *	1495.830	0.069	1495.740	0.000		0.000	1496.100	0.484
14	1496.080	0.380	1495.900	0.104	1495.810	0.052	1495.740	0.000		0.000	1496.090	0.430
15	1496.070	0.335	1495.910	0.136 *	1495.790	0.035	1495.720	0.000		0.000	1495.990	0.235
16	1496.070	0.351 *	1495.940	0.140	1495.800	0.039	1495.740	0.000		0.000	1496.020	0.240
17	1496.050	0.328	1495.930	0.141	1495.810	0.046 *	1495.710	0.000		0.000	1495.980	0.229
18	1496.040	0.300	1495.920	0.136	1495.820	0.046	1495.730	0.000	1495.840	0.000	1496.000	0.225 *
19	1496.030	0.287	1495.920	0.137	1495.820	0.051	1495.750	0.000	1496.250	0.727 *	1495.930	0.138 *
20	1496.020	0.260	1495.880	0.105 *	1495.790	0.029	1495.700	0.000	1495.980	0.164	1495.930	0.117
21	1496.030	0.288	1495.900	0.122	1495.790	0.036	1495.730	0.000	1496.120	0.427 *	1495.890	0.095
22	1496.020	0.264	1495.900	0.134	1495.580	0.000	1495.710	0.000	1496.010	0.202	1495.880	0.095
23	1496.030	0.290 *	1495.890	0.118	1495.600	0.000	1495.700	0.000	1495.980	0.140	1495.860	0.080
24	1496.050	0.325	1495.870	0.090	1495.330	0.000	1495.730	0.000	1495.960	0.173 #	1495.870	0.088
25	1496.050	0.320 *	1495.880	0.105	1495.770	0.000	1495.740	0.000	1495.920	0.128 #	1495.920	0.117
26	1496.030	0.292	1495.900	0.125 *	1495.780	0.000	1495.750	0.000	1495.900	0.108 #	1496.080	0.352 *
27	1496.000	0.262	1495.880	0.105 *	1495.600	0.000	1495.680	0.000	1495.840	0.000	1495.960	0.190
28	1496.040	0.290	1495.870	0.106	1495.760	0.000	1495.730	0.000	1495.850	0.000	1495.900	0.108
29	1496.020	0.274	1495.880	0.097			1495.720	0.000	1495.850	0.000	1495.890	0.106
30	1496.020	0.275 *	1495.890	0.113			1495.730	0.000	1495.860	0.000	1495.910	0.128
31	1496.030	0.292	1495.880	0.107			1495.820	0.053 *			1495.880	0.107
Ten-Daily Mean												
I Ten-Daily	1496.143	0.509	1495.968	0.193	1495.845	0.074	1495.871	0.139	1495.750	0.000	1495.879	0.064
II Ten-Daily	1496.062	0.335	1495.915	0.130	1495.819	0.056	1495.742	0.000	1496.023	0.089	1496.001	0.249
III Ten-Daily	1496.029	0.288	1495.885	0.111	1495.651	0.005	1495.731	0.005	1495.929	0.118	1495.913	0.133
Monthly												
Min.	1496.000	0.260	1495.870	0.090	1495.330	0.000	1495.570	0.000	1495.690	0.000	1495.780	0.000
Max.	1496.190	0.602	1496.000	0.273	1495.880	0.105	1496.260	0.703	1496.250	0.727	1496.100	0.484
Mean	1496.076	0.375	1495.922	0.144	1495.780	0.048	1495.780	0.047	1495.895	0.069	1495.930	0.148

Peak Computed Discharge = 1.596 cumecs on 04-11-2018

Corres. Water Level :1496.42 m

Lowest Computed Discharge = 0.046 cumecs on 17-02-2019

Corres. Water Level :1495.81 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

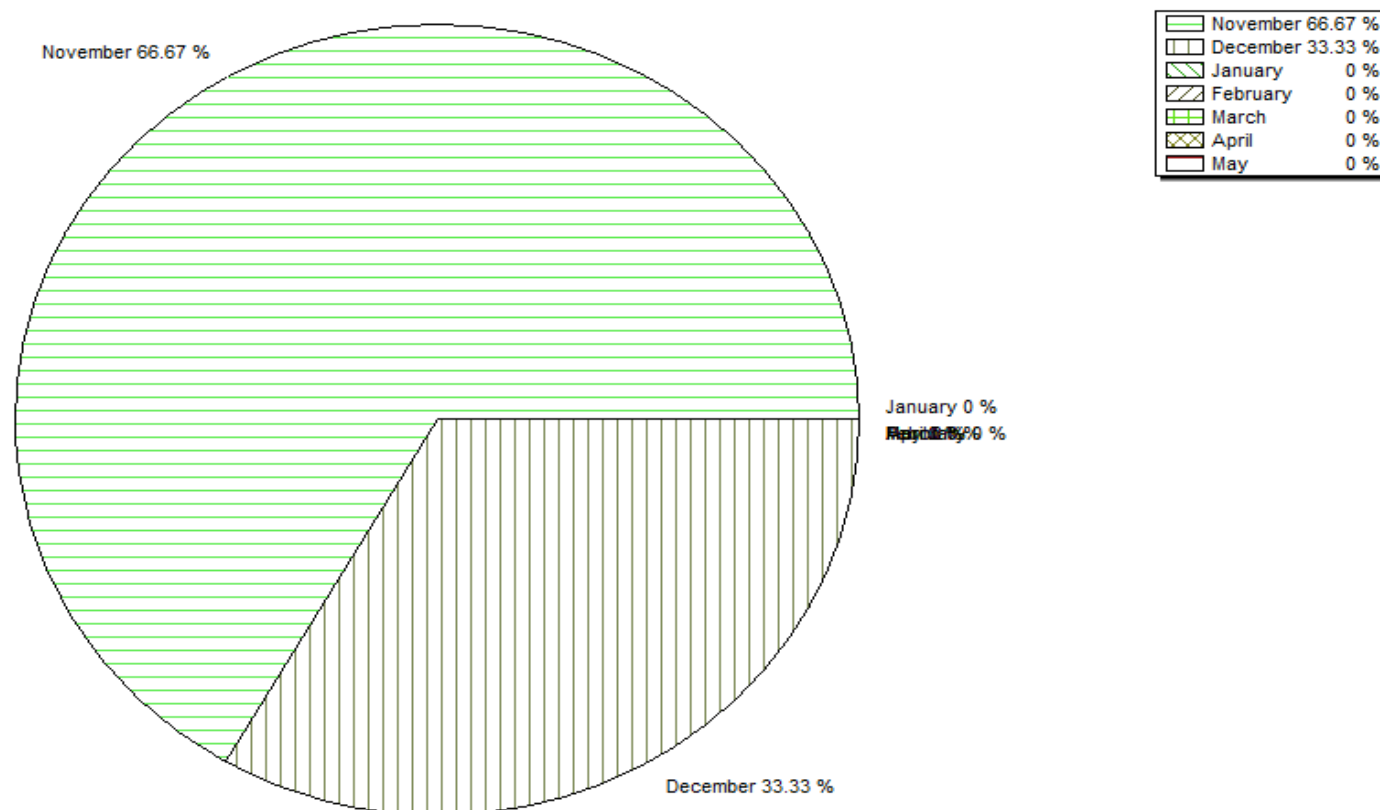
#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Station Name : KUKKALTHURAI (KUKKALTHURAI)
Local River : Kukkalthalla

Monthly Runoff for the Year : 2018-2019

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore

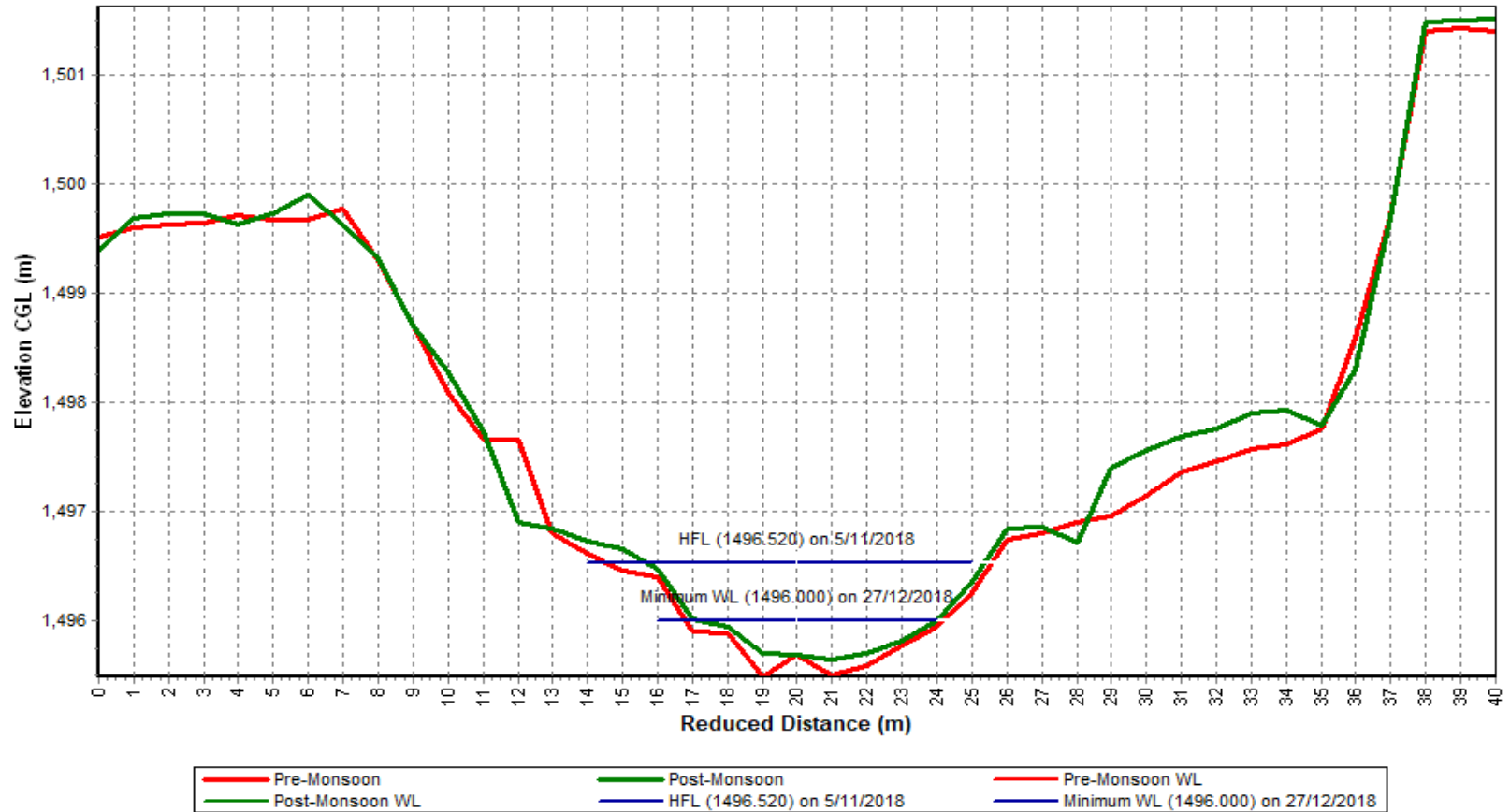


Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : KUKKALTHURAI (KUKKALTHURAI)
Local River : Kukkalhalla

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore

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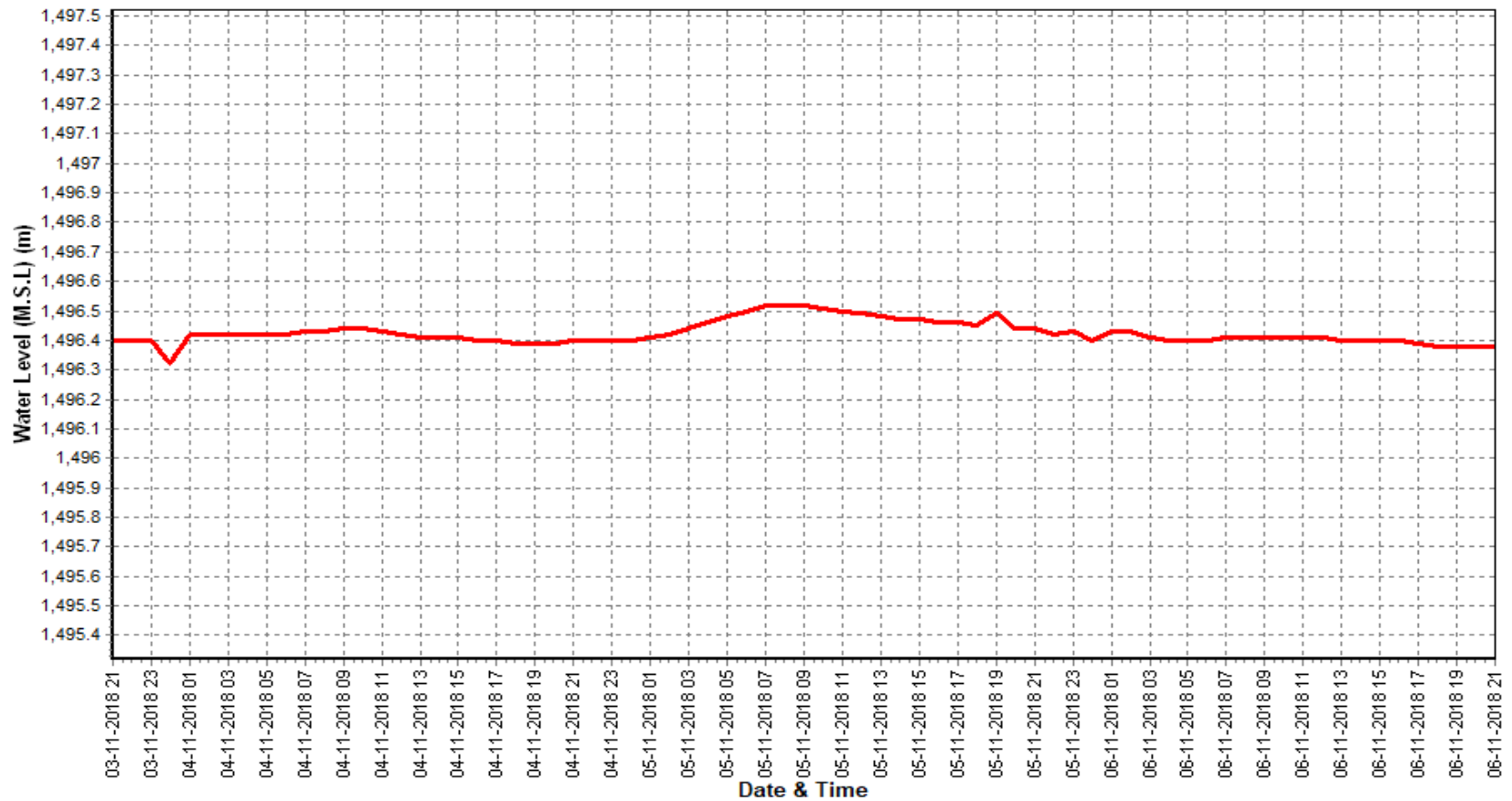
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : KUKKALTHURAI (KUKKALTHURAI)

Local River : Kukkalthalla

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore



Time Span: 72 Hrs

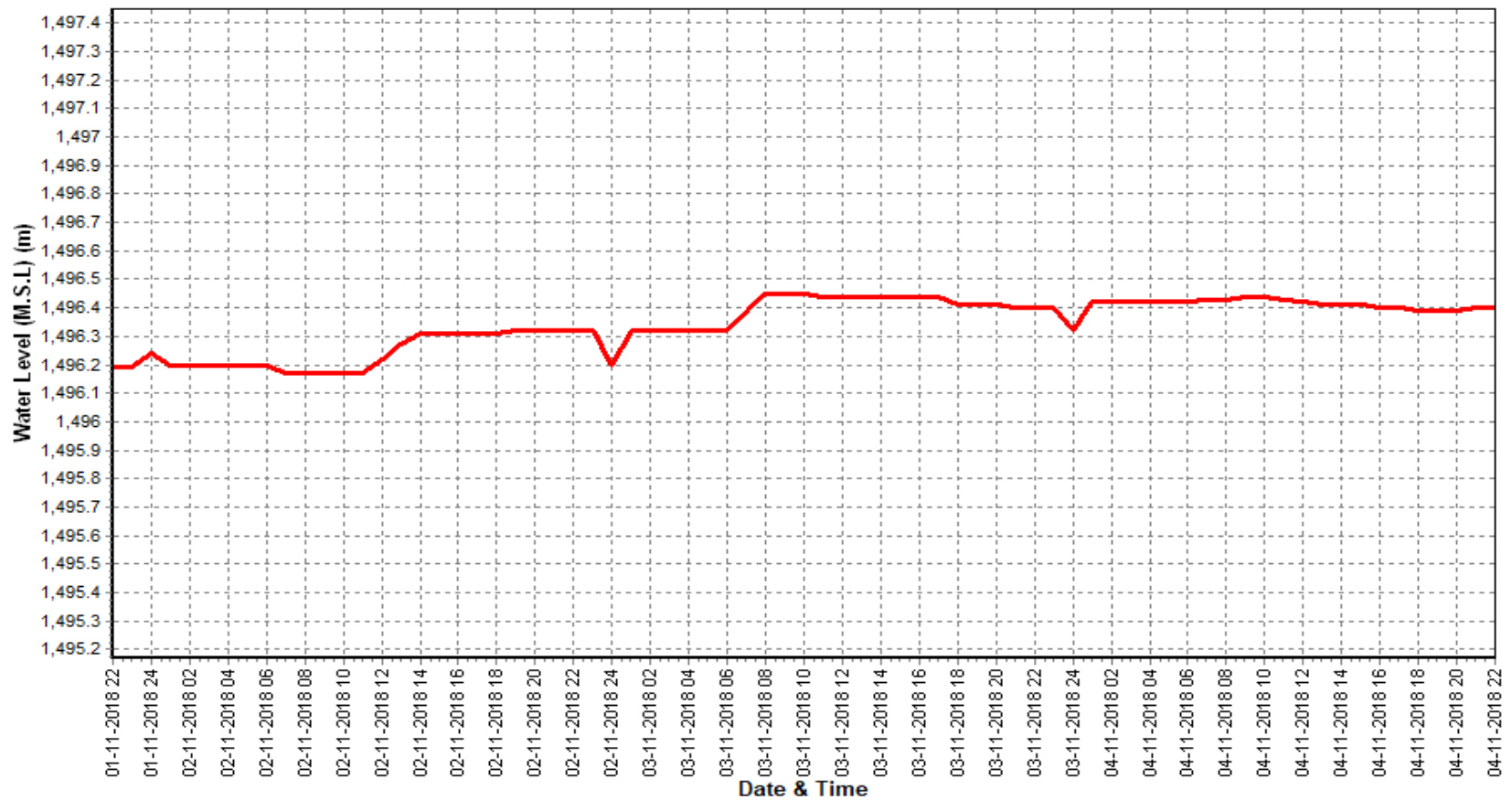
Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : KUKKALTHURAI (KUKKALTHURAI)

Division : SR Division, Coimbatore

Local River : Kukkalhalla

Sub-Division : Middle Cauvery SD, Coimbatore



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Time Span: 72 Hrs

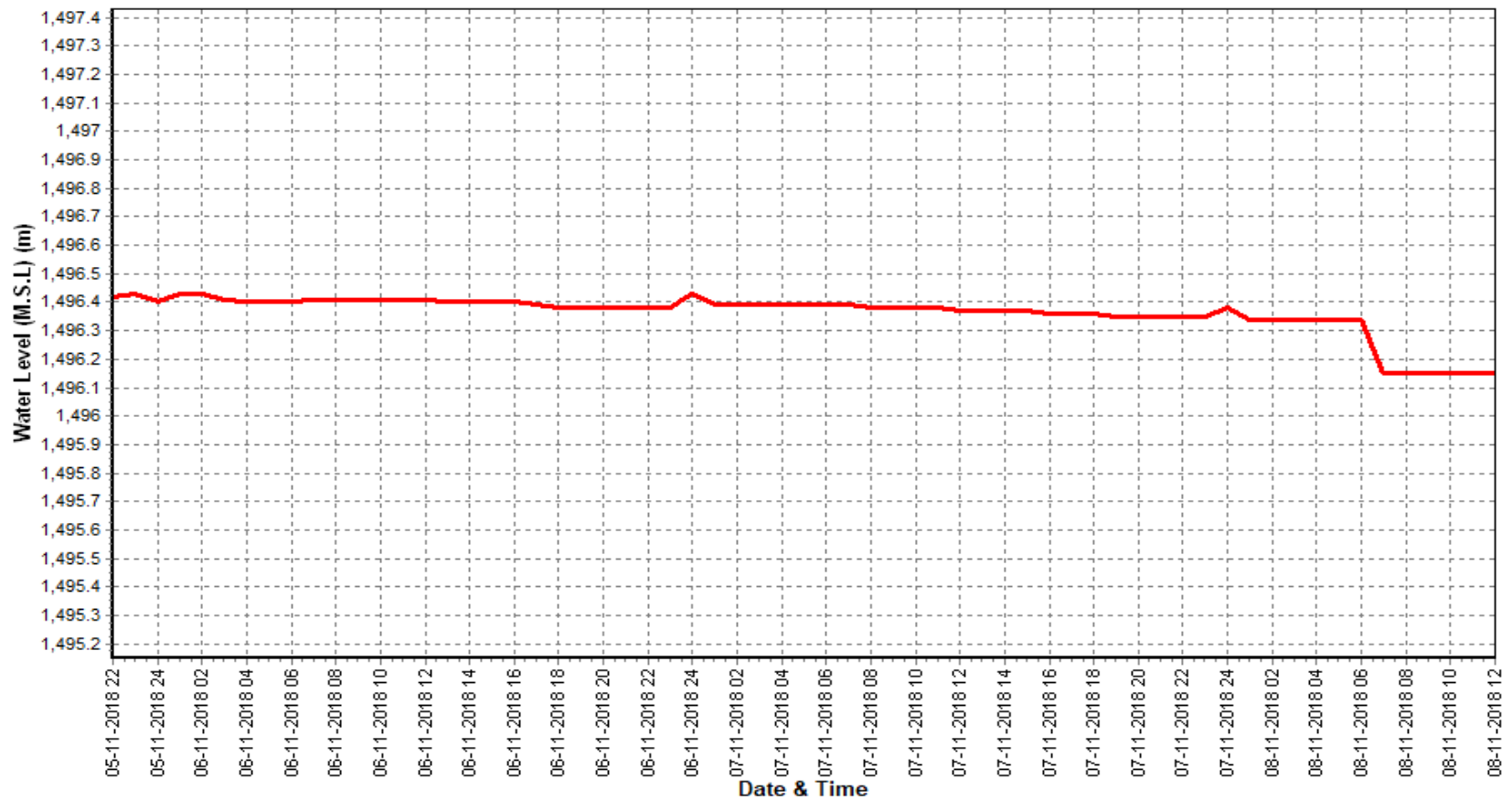
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : KUKKALTHURAI (KUKKALTHURAI)

Division : SR Division, Coimbatore

Local River : Kukkalthalla

Sub-Division : Middle Cauvery SD, Coimbatore



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Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2018-2019

Site : URACHIKOTTAI

Code : CC000K5

State : Tamil Nadu

District : Erode

Basin : Cauvery

Independent River : Cauvery

Tributary : -

Sub Tributary :

Sub-Sub Tributary :

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

Drainage Area : 44100 Sq. Km.

Bank : Right

Latitude : 11°28'40"

Longitude : 77°42'00"

Zero of Gauge (m) : 155.000 (m.s.l)
154.000 (m.s.l)01-06-78 - 31-05-85
01-06-85

Opening Date

Closing Date

Gauge : 01-06-78

Discharge : 01-06-79

Sediment : 04-01-01

Water Quality : 01-06-79

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1979-1980	4920	165.640	14-08-79	10.00	158.825	28-10-79
1980-1981	4664	165.830	06-07-80	0.400	158.345	13-05-81
1981-1982	4240	165.435	22-08-81	6.400	158.545	08-03-82
1982-1983	600.5	161.075	03-09-82	2.600	158.360	30-05-83
1983-1984	1010	161.640	12-10-83	0.900	158.210	03-06-83
1984-1985	1120	161.640	21-07-84	5.200	158.420	01-02-85
1985-1986	562.0	160.420	24-08-85	4.000	157.900	12-11-85
1986-1987	624.0	160.710	02-10-86	0.000	157.800	01-06-86
1987-1988	532.1	160.495	23-12-87	0.950	157.875	05-07-87
1988-1989	666.3	160.900	15-10-88	0.000	157.800	07-06-88
1989-1990	708.6	160.961	13-09-89	0.000	158.220	02-06-89
1990-1991	570.0	160.620	07-09-90	0.000	158.340	05-06-90
1991-1992	1536	162.224	21-08-91	12.25	158.332	25-05-92
1992-1993	2281	163.149	22-08-92	29.85	158.270	15-03-93
1993-1994	604.4	160.625	17-09-93	25.28	157.975	01-12-93
1994-1995	2386	163.300	02-08-94	0.000	158.410	03-06-94
1995-1996	667.0	160.701	27-11-95	0.000	158.295	01-06-95
1996-1997	626.9	160.595	02-11-96	0.000	158.450	22-06-96
1997-1998	855.0	161.188	09-09-97	0.000	158.150	21-10-97
1998-1999	830.0	160.980	02-11-98	0.000	158.250	07-11-98
1999-2000	797.6	161.260	12-08-99	0.000	158.460	22-06-99

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2000-2001	3720	163.885	11-10-00	0.000	158.400	04-06-00
2001-2002	573.3	160.660	20-07-01	1.090	158.300	12-11-01
2002-2003	501.2	160.360	13-09-02	0.000	158.500	01-06-02
2003-2004	580.9	160.480	13-10-03	0.000	157.760	01-06-03
2004-2005	580.6	160.540	21-08-04	0.000	157.870	01-06-04
2005-2006	5855	165.010	25-10-05	0.000	158.495	01-06-05
2006-2007	1774	162.220	21-08-06	0.000	159.180	24-10-06
2007-2008	3422	164.030	13-08-07	0.000	158.060	01-06-07
2008-2009	484.8	160.680	10-10-08	0.000	158.030	01-06-08
2009-2010	838.8	161.180	13-10-09	0.000	158.370	01-06-09
2010-2011	588.9	160.530	27-10-10	0.000	158.050	01-06-10
2011-2012	715.9	160.650	05-07-11	0.000	158.460	01-06-11
2012-2013	638.0	160.575	17-10-12	0.000	158.300	21-06-12
2013-2014	3896	164.160	06-08-13	0.000	158.045	01-06-13
2014-2015	712.5	160.830	16-09-14	0.000	157.930	01-06-14
2015-2016	565.9	160.400	30-08-15	0.000	158.480	11-06-15
2016-2017	563.5	160.510	14-10-16	0.000	157.960	23-08-16
2017-2018	661.5	160.640	21-10-17	0.000	157.840	01-06-17

Stage-Discharge Data for the period 2018 - 2019

Station Name : URACHIKOTTAI (CC000K5)

Division : SR Division, Coimbatore

Local River : Cauvery

Sub-Division : Middle Cauvery SD, Coimbatore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	158.100	0.000	158.620	47.43 *	160.560	549.9	160.890	759.4	160.320	515.8	160.070	429.8
2	158.260	0.000	158.400	0.000	160.515	570.1	160.720	666.6 *	160.640	629.0 *	159.300	169.6
3	158.260	0.000	158.625	53.83	160.400	536.3	160.470	547.8	160.640	630.9	158.250	0.000
4	158.100	0.000	158.400	0.000	160.450	538.1	159.950	378.4	160.000	396.7	158.250	0.000
5	158.050	0.000	158.585	47.95	160.380	514.8 *	159.480	205.5	158.950	86.82	158.380	0.000
6	158.370	0.000	158.480	0.000	160.445	549.6	159.515	214.1	158.770	61.30	158.310	0.000
7	158.190	0.000	158.430	0.000	160.425	551.8	159.420	200.0	158.770	67.18 *	158.300	0.000
8	158.170	0.000	158.420	0.000	160.350	524.8	160.280	490.1	158.770	61.30	158.330	0.000
9	158.360	0.000	158.430	0.000	160.595	631.5	160.250	462.1 *	158.870	77.39	158.870	77.29
10	158.260	0.000	158.390	0.000	161.195	932.0	160.600	605.3	158.520	36.17	159.300	169.6
11	158.250	0.000	158.640	55.31	162.250	1509	160.590	609.3	159.300	169.6	159.200	144.0 *
12	158.150	0.000	158.450	0.000	164.500	3783 *	160.610	611.8	159.600	263.9	159.350	181.8
13	158.290	0.000	158.420	0.000	163.460	2344	160.750	680.9 *	159.500	226.4	158.850	74.20
14	158.200	0.000	158.450	0.000	163.380	2289	160.725	692.6	159.840	315.4 *	158.330	0.000
15	158.160	0.000	158.450	0.000	163.630	2828 *	160.695	671.2	159.790	326.5	158.630	47.17
16	158.360	0.000	158.440	0.000	165.210	4650	160.700	657.1 *	160.130	445.0	158.770	61.30
17	158.240	0.000	158.920	86.30	165.320	4763	160.790	704.8	160.130	445.0	158.680	52.33
18	158.190	0.000	158.910	84.55	165.450	5269	160.725	662.0	160.160	427.4 *	158.270	0.000
19	158.330	0.000	158.910	84.55	165.700	5340 *	160.720	664.8	160.150	423.6 *	158.830	69.46
20	158.150	0.000	160.500	549.9	165.630	5484	160.740	671.6	160.120	442.4	158.730	57.57
21	158.010	0.000	160.720	644.3	163.600	2433	160.670	642.9 *	160.090	401.4 *	158.690	0.000
22	158.000	0.000	160.600	610.6 *	163.250	2456 *	160.710	660.7	160.110	439.8	158.120	0.000
23	158.000	0.000	161.200	896.6	161.450	1045	160.730	671.3 *	160.120	442.4	158.150	0.000
24	158.000	0.000	162.965	1962	161.260	920.9	160.730	667.0	160.070	429.8	158.140	0.000
25	158.130	0.000	163.020	2141	160.600	614.6	160.760	681.3	160.110	439.8	158.100	0.000
26	158.020	0.000	161.260	982.4	160.600	610.6 *	160.750	667.7	160.080	433.2	158.140	0.000
27	157.920	0.000	162.640	1762	161.105	912.7	160.900	747.2	160.320	515.8	159.100	117.8
28	157.940	0.000	162.560	1602	161.105	929.5	160.900	747.2	160.370	510.6 *	158.650	49.30
29	158.080	0.000	161.800	1286 *	160.900	732.2	160.890	743.6	160.420	568.6	158.890	78.51
30	158.080	0.000	160.850	727.3	160.205	505.2	159.820	309.0 *	160.400	562.3	158.870	77.29
31			161.200	896.6	159.460	205.4			160.420	568.6		
Ten-Daily Mean												
I Ten-Daily	158.212	0.000	158.478	14.92	160.531	589.9	160.158	452.9	159.425	256.3	158.736	84.63
II Ten-Daily	158.232	0.000	158.809	86.06	164.453	3826	160.704	662.6	159.872	348.5	158.764	68.78
III Ten-Daily	158.018	0.000	161.710	1228	161.230	1033	160.686	653.8	160.228	482.9	158.485	32.29
Monthly												
Min.	157.920	0.000	158.390	0.000	159.460	205.4	159.420	200.0	158.520	36.17	158.100	0.000
Max.	158.370	0.000	163.020	2141	165.700	5484	160.900	759.4	160.640	630.9	160.070	429.8
Mean	158.154	0	159.732	468.4	162.045	1791	160.516	589.8	159.854	366.5	158.662	61.9

Annual Runoff in MCM = 10219 Annual Runoff in mm = 232

Peak Observed Discharge = 5484 cumecs on 20-08-2018 Corres. Water Level :165.63 m

Lowest Observed Discharge = 0.000 cumecs on 01-06-2018 Corres. Water Level :158.1 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : URACHIKOTTAI (CC000K5)

Division : SR Division, Coimbatore

Local River : Cauvery

Sub-Division : Middle Cauvery SD, Coimbatore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	158.870	77.29	159.615	255.6	158.010	0.000	158.800	68.01	159.380	191.6	157.800	0.000
2	158.930	88.75 *	159.600	249.2	158.070	0.000	158.820	68.98	159.530	234.5	158.480	0.000
3	158.890	78.51	159.620	259.7	158.400	0.000	158.560	34.32 *	159.360	178.9	158.480	0.000
4	159.240	151.7	159.630	258.5	157.960	0.000	158.540	0.000	159.420	201.3	157.990	0.000
5	159.300	169.6	159.600	250.0	157.920	0.000	157.940	0.000	159.330	170.8	157.950	0.000
6	159.350	181.8	159.630	261.4 *	158.180	0.000	158.700	54.82	159.300	165.6	157.950	0.000
7	159.350	181.8	159.900	349.2	157.930	0.000	158.000	0.000	159.340	178.8 *	158.010	0.000
8	159.340	173.7	159.920	351.2	157.930	0.000	158.720	56.75	159.230	144.1	157.960	0.000
9	159.300	168.7 *	159.930	358.1	158.180	0.000	158.020	0.000	159.160	125.1	158.520	0.000
10	159.300	169.6	159.900	348.9	157.930	0.000	158.590	37.78 *	158.750	58.71	158.540	0.000
11	159.690	292.7	159.920	357.6	157.930	0.000	158.540	0.000	158.950	85.41	157.980	0.000
12	159.690	292.7	159.910	359.0	158.300	0.000	158.100	0.000	159.120	122.6	158.370	0.000
13	159.740	301.2	159.920	359.7 *	157.930	0.000	158.530	0.000	158.070	0.000	158.750	57.08
14	159.740	301.2	159.500	224.8	157.930	0.000	158.450	0.000	157.890	0.000	158.850	70.14
15	160.080	433.2	159.400	194.6 *	158.320	0.000	157.940	0.000	157.890	0.000	158.800	61.43
16	160.000	389.6 *	159.400	208.3	157.930	0.000	158.540	0.000	157.750	0.000	158.865	71.12
17	160.070	430.7	159.160	126.6	158.340	0.000	158.540	0.000	158.750	0.000	158.620	48.84
18	160.130	445.0	159.100	116.6	158.490	0.000	158.540	0.000	158.280	0.000	158.540	32.10 *
19	160.520	596.3	159.050	104.9	158.030	0.000	158.070	0.000	157.840	0.000	158.310	11.93
20	160.420	568.6	158.850	0.000	158.470	0.000	157.950	0.000	158.540	0.000	158.620	45.74
21	160.320	515.8	158.520	0.000	158.010	0.000	158.540	0.000	158.630	42.66 *	158.620	49.45
22	160.230	490.9	158.620	38.07	158.480	0.000	158.540	0.000	157.920	0.000	157.980	0.000
23	160.300	512.2 *	158.570	34.93	158.480	0.000	158.540	0.000	157.830	0.000	157.920	0.000
24	160.010	399.7	158.000	0.000	158.470	0.000	158.440	0.000	158.400	0.000	158.520	0.000
25	160.020	397.2 *	158.000	0.000	158.020	0.000	157.980	0.000	158.050	0.000	158.540	0.000
26	159.690	292.7	159.820	0.000	158.500	0.000	158.450	0.000	158.040	0.000	158.360	0.000
27	159.600	263.9	158.040	0.000	158.500	0.000	158.890	79.39	158.500	0.000	157.900	0.000
28	159.600	263.9	157.940	0.000	159.170	0.000	158.430	0.000	158.500	0.000	157.880	0.000
29	159.690	292.7	157.940	0.000			157.950	0.000	158.350	0.000	158.730	57.00
30	159.620	258.3 *	157.940	0.000			158.490	0.000	157.880	0.000	158.540	0.000
31	159.620	267.3	158.060	0.000			158.410	0.000			158.060	0.000
Ten-Daily Mean												
I Ten-Daily	159.187	144.1	159.735	294.2	158.051	0.000	158.469	32.06	159.280	164.9	158.168	0.000
II Ten-Daily	160.008	405.1	159.421	205.2	158.167	0.000	158.320	0.000	158.308	20.80	158.570	39.84
III Ten-Daily	159.882	359.5	158.314	6.636	158.454	0.000	158.424	7.218	158.210	4.266	158.277	9.677
Monthly												
Min.	158.870	77.29	157.940	0.000	157.920	0.000	157.940	0.000	157.750	0.000	157.800	0.000
Max.	160.520	596.3	159.930	359.7	159.170	0.000	158.890	79.39	159.530	234.5	158.865	71.12
Mean	159.698	304.8	159.129	163.5	158.207	0	158.405	12.9	158.599	63.33	158.337	16.29

Peak Computed Discharge = 5340 cumecs on 19-08-2018

Corres. Water Level :165.7 m

Lowest Computed Discharge = 32.10 cumecs on 18-05-2019

Corres. Water Level :158.54 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

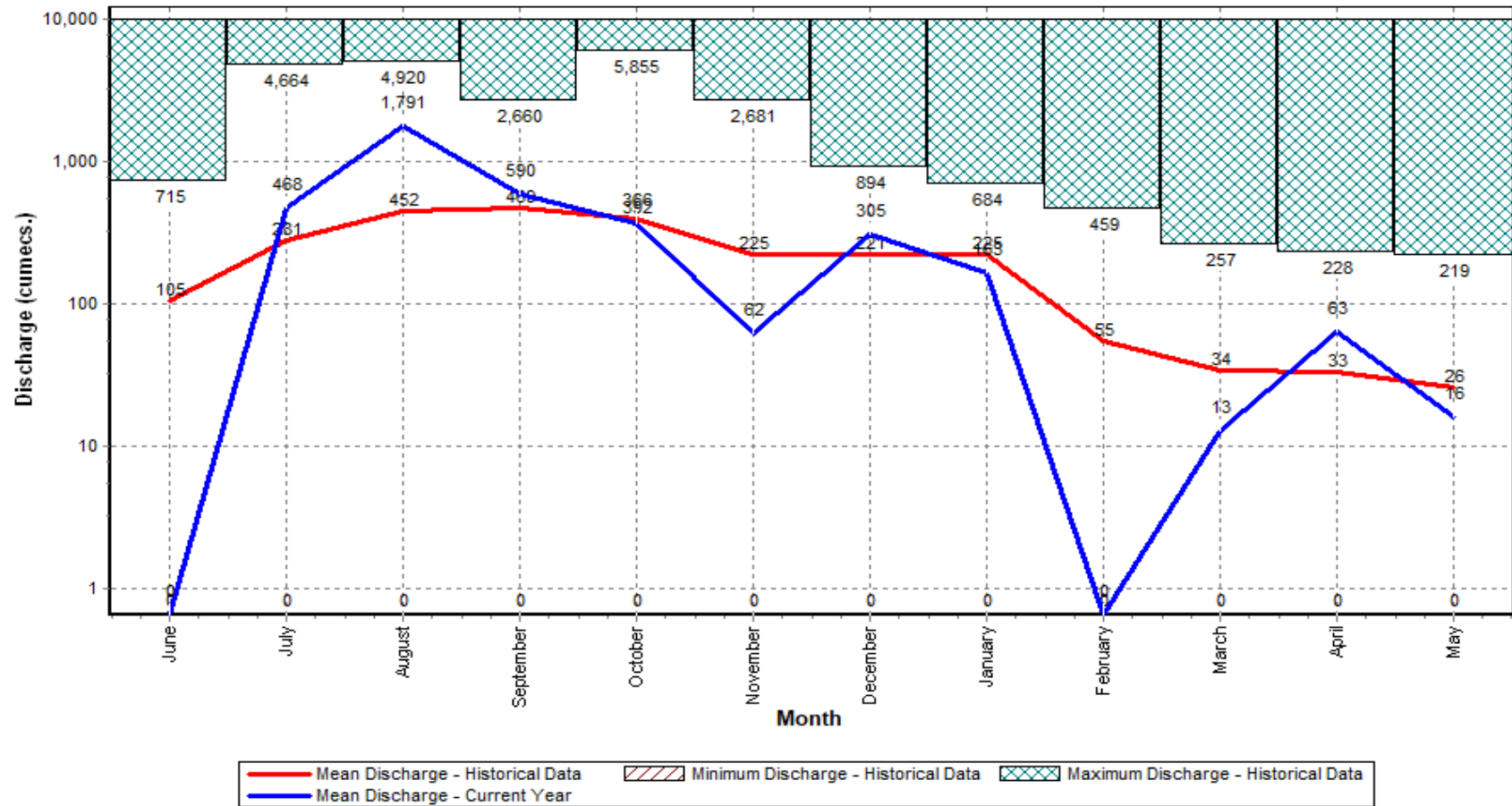
Station Name : URACHIKOTTAI (CC000K5)

Data considered : 1984-2019

Division : SR Division, Coimbatore

Local River : Cauvery

Sub-Division : Middle Cauvery SD, Coimbatore



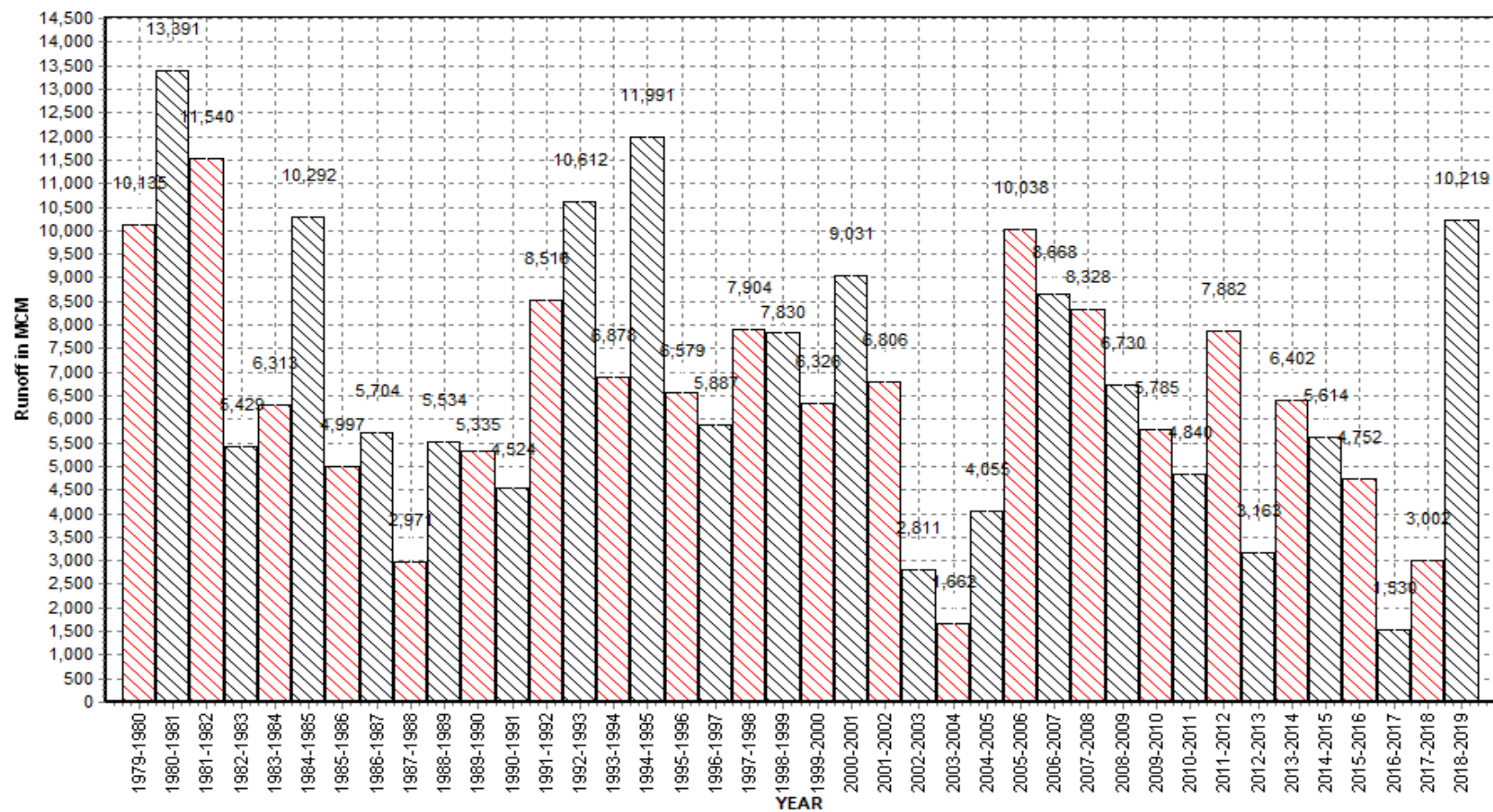
Annual Runoff Values for the period: 1984 - 2019

Station Name : URACHIKOTTAI (CC000K5)

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

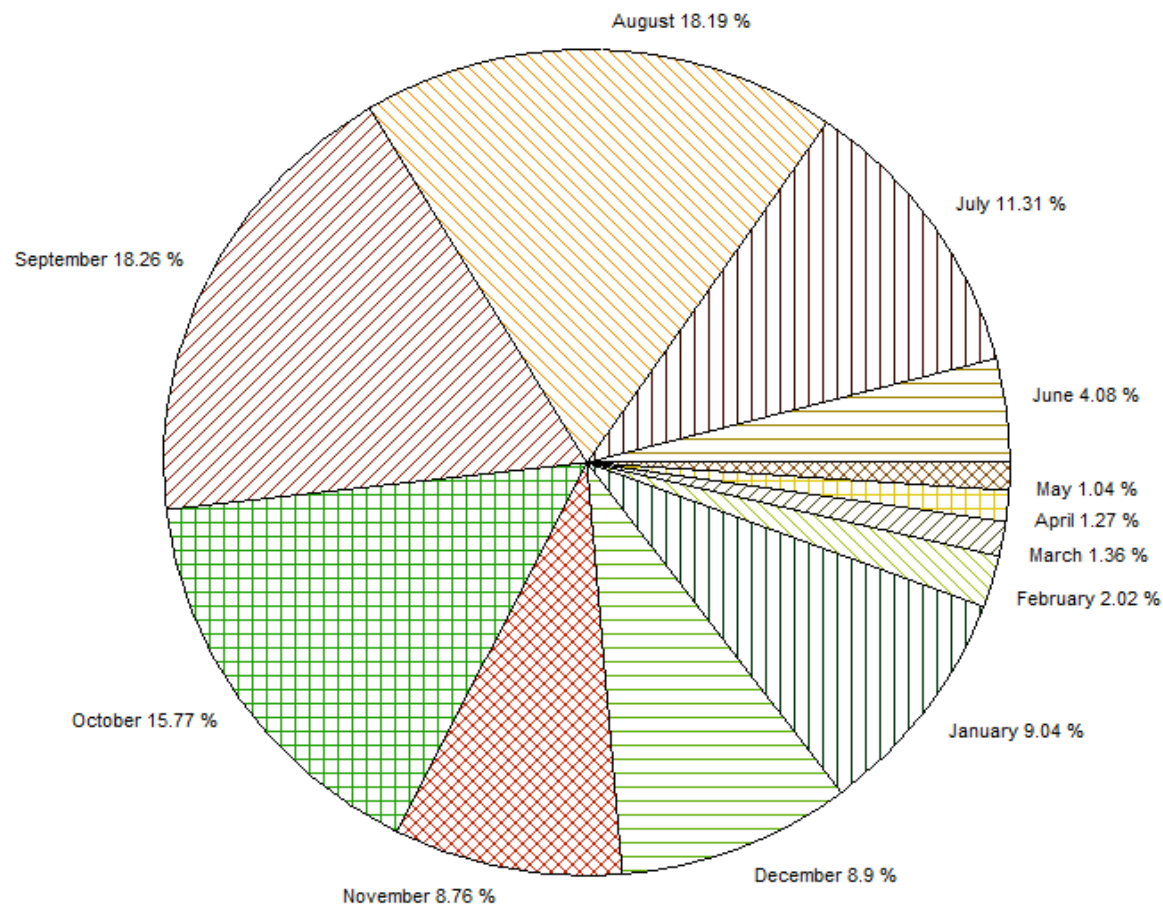


Note: Missing values have not been considered while arriving at Annual Runoff

Monthly Average Runoff based on period : 1984-2018

Station Name : URACHIKOTTAI (CC000K5)
Local River : Cauvery

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore

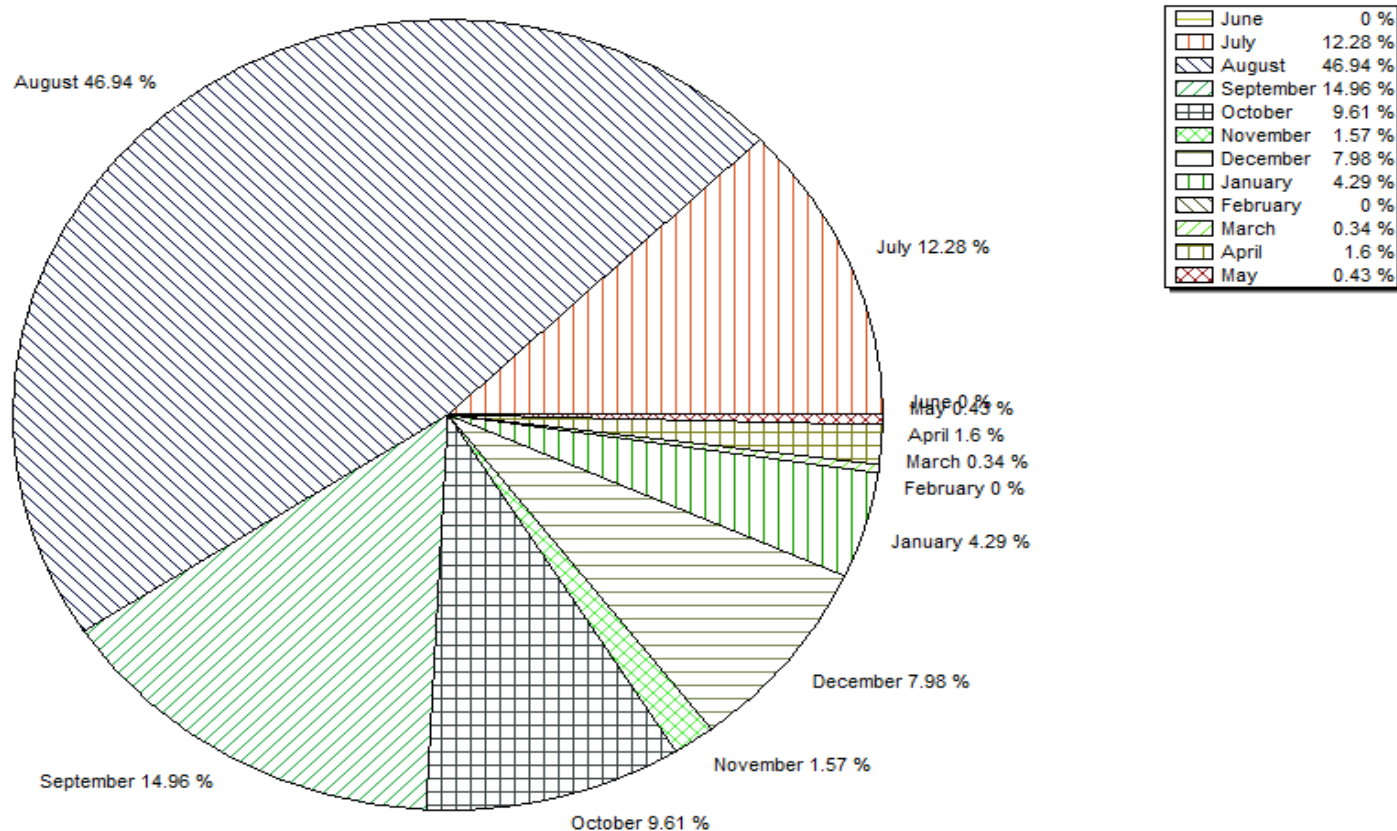


June	4.08 %
July	11.31 %
August	18.19 %
September	18.26 %
October	15.77 %
November	8.76 %
December	8.9 %
January	9.04 %
February	2.02 %
March	1.36 %
April	1.27 %
May	1.04 %

Station Name : URACHIKOTTAI (CC000K5)
Local River : Cauvery

Monthly Runoff for the Year : 2018-2019

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore

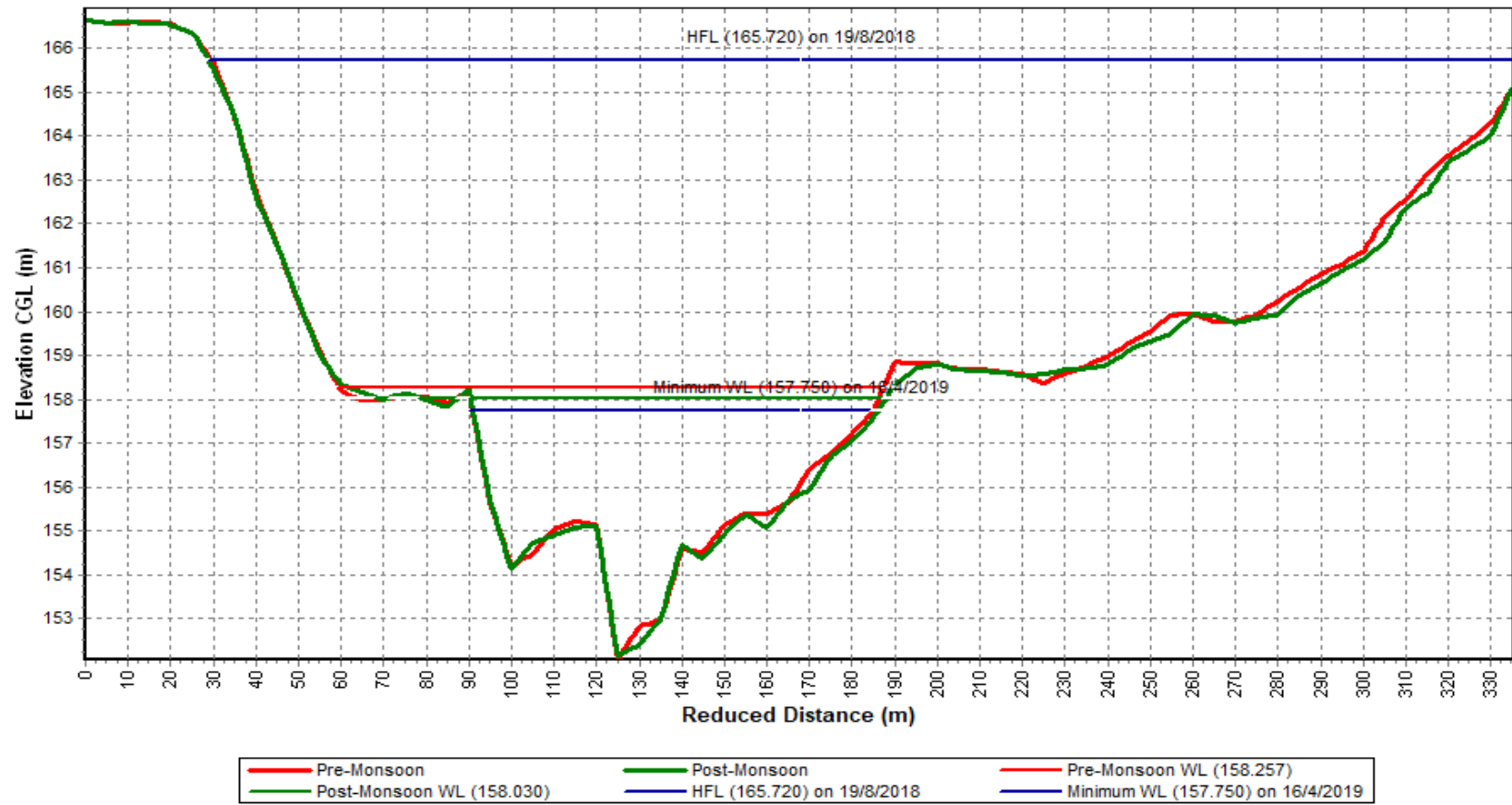


Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : URACHIKOTTAI (CC000K5)
Local River : Cauvery

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore

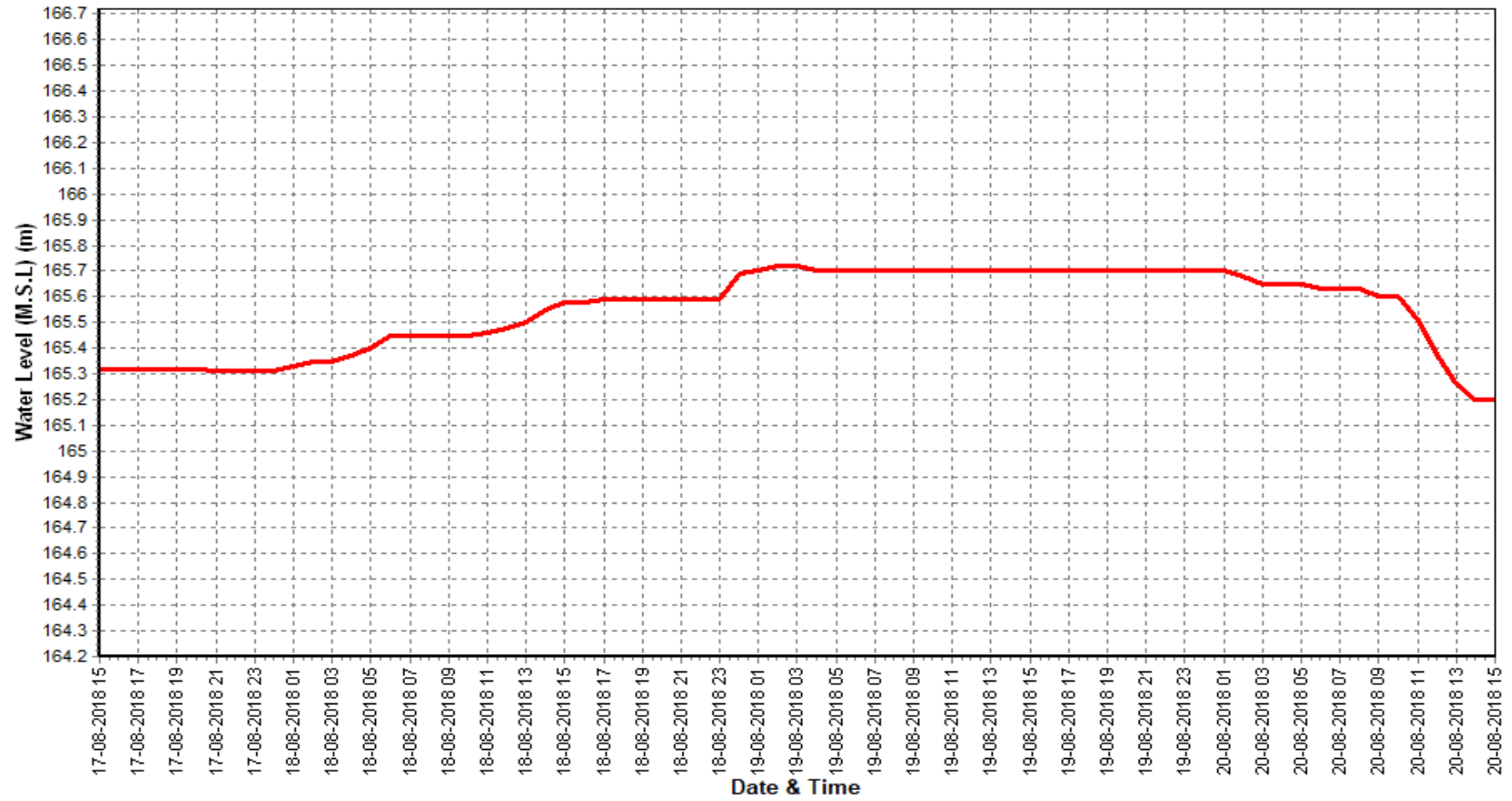
231



Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : URACHIKOTTAI (CC000K5)
Local River : Cauvery

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



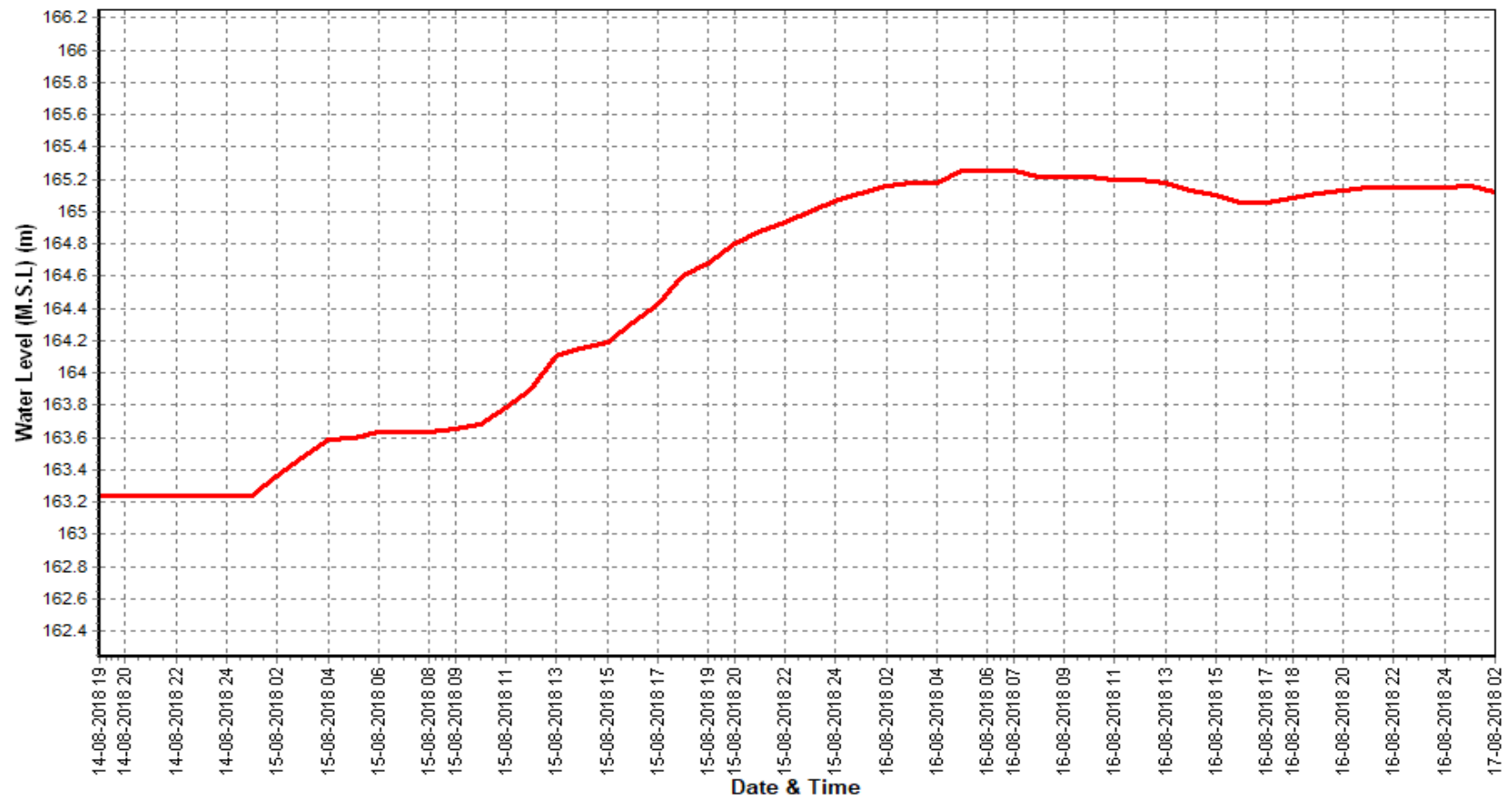
Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : URACHIKOTTAI (CC000K5)

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

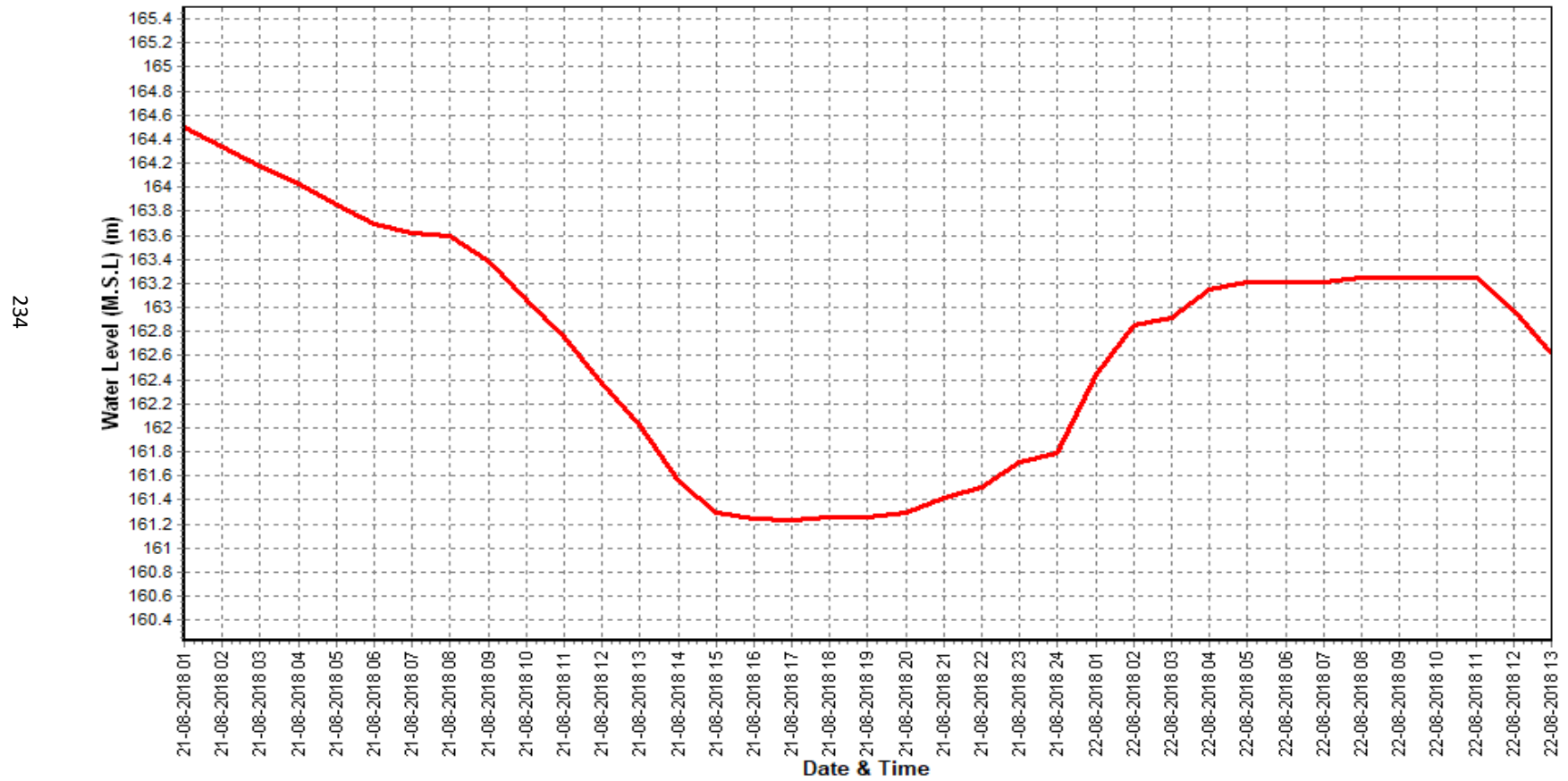


Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : URACHIKOTTAI (CC000K5)
Local River : Cauvery

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2018-2019

Site : THEVUR

Code : CCH00C3

State : Tamil Nadu

District : Salem

Basin : Cauvery

Independent River : Cauvery

Tributary : Sarabenga

Sub Tributary :

Sub-Sub Tributary :

Local River : Sarabenga

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

Drainage Area : 1248 Sq. Km.

Bank : Left

Latitude : 11°31'38"

Longitude : 77°45'03"

Zero of Gauge (m) : 168.000 (m.s.l)

07-01-98

Opening Date

Closing Date

Gauge : 07-01-98

Discharge : 24-09-99

Sediment :

Water Quality : 01-10-01

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2000-2001	32.55	172.530	01-12-00	0.000	Dry Bed	01-06-00
2001-2002	53.75	171.950	25-10-01	0.000	Dry Bed	03-07-01
2002-2003	0.000	Dry Bed	01-06-02	0.000	Dry Bed	01-06-02
2003-2004	0.000	Dry Bed	01-06-03	0.000	Dry Bed	01-06-03
2004-2005	1.757	171.340	05-11-04	0.000	Dry Bed	01-06-04
2005-2006	62.93	172.310	02-11-05	0.000	Dry Bed	15-08-05
2006-2007	4.864	171.280	01-11-06	0.000	Dry Bed	01-06-06
2007-2008	2.817	171.120	20-10-07	0.000	Dry Bed	01-06-07
2008-2009	40.32	172.460	29-11-08	0.000	Dry Bed	01-06-08
2009-2010	3.284	171.290	13-10-09	0.000	Dry Bed	01-06-09
2010-2011	167.8	173.200	27-10-10	0.000	Dry Bed	01-06-10
2011-2012	6.271	171.620	13-10-11	0.000	170.140	01-08-11
2012-2013	0.000	Dry Bed	01-06-12	0.000	Dry Bed	01-06-12
2013-2014	2.123	171.270	25-10-13	0.000	Dry Bed	01-06-13
2014-2015	3.065	171.410	11-12-14	0.000	Dry Bed	01-06-14
2015-2016	5.798	171.980	12-10-15	0.000	170.720	01-06-15
2016-2017	0.000	Dry Bed	09-08-16	0.000	Dry Bed	19-08-16
2017-2018	0.000	Dry Bed	01-06-17	0.000	Dry Bed	01-06-17

Stage-Discharge Data for the period 2018 - 2019

Station Name : THEVUR (CCH00C3)

Division : SR Division, Coimbatore

Local River : Sarabanga

Sub-Division : Middle Cauvery SD, Coimbatore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1		0.000		0.000		0.000	171.380	0.273	171.410	1.594 #	171.150	0.830
2		0.000		0.000		0.000	171.380	0.335 *	171.280	1.209 *	171.150	0.831
3		0.000		0.000		0.000	171.360	0.269	171.050	0.804	171.280	2.141
4		0.000		0.000		0.000	171.350	0.223	171.080	0.841	171.280	1.965 *
5		0.000		0.000		0.000	171.320	0.217	171.000	0.729	171.300	2.312
6		0.000		0.000		0.000	171.330	0.217	171.110	0.894	171.300	2.164 *
7		0.000		0.000		0.000	171.300	0.162 #	171.110	0.797 *	171.160	0.817
8		0.000		0.000		0.000	171.320	0.215	171.050	0.807	171.110	0.763
9		0.000		0.000		0.000	171.300	0.162 *	171.480	1.827 #	171.110	0.765
10		0.000		0.000		0.000	171.370	0.273	171.280	0.883	171.150	0.813
11		0.000		0.000		0.000	171.410	0.507	171.110	0.757	171.110	0.645 *
12		0.000		0.000		0.000	171.420	0.526	171.050	0.746	171.150	0.824
13		0.000		0.000		0.000	171.390	0.360 *	171.050	0.744	171.140	0.798
14		0.000		0.000		0.000	171.410	0.498	171.050	0.675 *	171.170	1.722
15		0.000		0.000		0.000	171.420	0.511	171.110	0.764	171.180	2.073
16		0.000		0.000		0.000	171.410	0.413 *	171.110	0.723	171.230	2.008
17		0.000		0.000		0.000	171.440	0.541	171.120	0.776	171.390	2.789
18		0.000		0.000	170.900	0.000	171.440	0.536	171.120	0.818 *	171.280	2.293 *
19		0.000		0.000	170.970	0.000	171.420	0.512	171.280	1.209 *	171.390	2.909
20		0.000		0.000	170.980	0.034 #	171.410	0.501	171.120	0.772	171.350	2.792
21		0.000		0.000	170.890	0.025 #	171.420	0.440 *	171.110	0.797 *	171.230	1.977 *
22		0.000		0.000	170.900	0.026 *	171.380	0.269	171.110	0.764	171.270	2.084
23		0.000		0.000	171.040	0.041	171.410	0.413 *	171.100	0.712	171.280	2.293 *
24		0.000		0.000	171.280	0.073	171.480	0.637	171.090	0.695	171.200	1.997
25		0.000		0.000	171.280	0.078	171.490	0.650	171.090	0.696	171.150	1.524 #
26		0.000		0.000	171.290	0.078 *	171.530	0.671	171.080	0.675	171.110	1.302
27		0.000		0.000	171.300	0.080	171.550	0.691	171.100	0.723	171.070	1.075
28		0.000		0.000	171.340	0.253	172.210	6.365	171.090	0.755 *	171.070	1.051
29		0.000		0.000	171.370	0.271	171.760	2.956 #	171.110	0.760	171.090	1.059
30		0.000		0.000	171.390	0.360 #	171.290	1.236 *	171.130	0.787	171.180	1.930
31				0.000	171.370	0.271			171.130	0.792		
Ten-Daily Mean												
I Ten-Daily		0.000		0.000		0.000	171.341	0.235	171.185	1.039	171.199	1.340
II Ten-Daily		0.000		0.000	170.950	0.003	171.417	0.491	171.112	0.798	171.239	1.885
III Ten-Daily		0.000		0.000	171.223	0.141	171.552	1.433	171.104	0.741	171.165	1.629
Monthly												
Min.		0.000		0.000	170.890	0.000	171.290	0.162	171.000	0.675	171.070	0.645
Max.		0.000		0.000	171.390	0.360	172.210	6.365	171.480	1.827	171.390	2.909
Mean		0		0	171.164	0.051	171.437	0.719	171.133	0.856	171.201	1.618

Annual Runoff in MCM = 15 Annual Runoff in mm = 12

Peak Observed Discharge = 6.365 cumecs on 28-09-2018 Corres. Water Level :172.21 m

Lowest Observed Discharge = 0.000 cumecs on 01-06-2018

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

#:Discarded Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : THEVUR (CCH00C3)

Division : SR Division, Coimbatore

Local River : Sarabenga

Sub-Division : Middle Cauvery SD, Coimbatore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	171.230	1.892	171.100	1.102	170.820	0.000	170.640	0.000	170.330	0.000	170.300	0.000
2	171.200	1.909 *	171.090	1.145	170.820	0.000	170.630	0.000	170.320	0.000	170.290	0.000
3	171.190	2.009	171.070	1.023	170.820	0.000	170.660	0.000	170.310	0.000	170.280	0.000
4	171.200	2.044	171.060	0.896	170.810	0.000	170.680	0.000	170.300	0.000	170.280	0.000
5	171.250	2.065	171.050	0.879	170.820	0.000	170.670	0.000	170.310	0.000	170.270	0.000
6	171.350	2.879	171.060	0.970 *	170.800	0.000	170.640	0.000	170.310	0.000	170.260	0.000
7	171.300	2.251	171.050	0.933	170.790	0.000	170.630	0.000	170.300	0.000	170.250	0.000
8	171.260	2.211	171.040	0.912	170.770	0.000	170.630	0.000	170.280	0.000	170.240	0.000
9	171.230	2.139 *	171.030	0.907	170.760	0.000	170.620	0.000	170.270	0.000	170.240	0.000
10	171.190	1.995	171.020	0.881	170.760	0.000	170.580	0.000	170.240	0.000	170.250	0.000
11	171.190	1.994	170.990	0.422	170.760	0.000	170.560	0.000	170.240	0.000	170.240	0.000
12	171.160	1.704	170.970	0.420	170.750	0.000	170.550	0.000	170.230	0.000	170.180	0.000
13	171.170	1.773	170.970	0.497 *	170.740	0.000	170.570	0.000	170.220	0.000	170.150	0.000
14	171.230	2.029	170.960	0.394	170.750	0.000	170.560	0.000	170.190	0.000	170.170	0.000
15	171.190	1.937	170.960	0.452 *	170.750	0.000	170.560	0.000	170.170	0.000	170.160	0.000
16	171.200	1.909 *	170.940	0.367	170.740	0.000	170.530	0.000	170.160	0.000	170.170	0.000
17	171.200	2.020	170.930	0.365	170.740	0.000	170.510	0.000	170.150	0.000	170.160	0.000
18	171.210	2.106	170.930	0.372	170.730	0.000	170.490	0.000	170.130	0.000	170.180	0.000
19	171.190	2.000	170.940	0.377	170.730	0.000	170.450	0.000	170.120	0.000	170.220	0.000
20	171.210	2.092	170.910	0.251 *	170.720	0.000	170.440	0.000	170.110	0.000	170.240	0.000
21	171.210	2.098	170.900	0.000	170.720	0.000	170.430	0.000	170.160	0.000	170.230	0.000
22	171.200	2.049	170.900	0.000	170.720	0.000	170.420	0.000	170.180	0.000	170.180	0.000
23	171.200	1.909 *	170.890	0.000	170.700	0.000	170.390	0.000	170.190	0.000	170.150	0.000
24	171.180	1.942	170.890	0.000	170.680	0.000	170.370	0.000	170.320	0.000	170.150	0.000
25	171.170	1.689 *	170.880	0.000	170.670	0.000	170.350	0.000	170.310	0.000	170.140	0.000
26	171.160	1.706	170.870	0.000	170.670	0.000	170.350	0.000	170.330	0.000	170.130	0.000
27	171.120	1.324	170.850	0.000	170.660	0.000	170.350	0.000	170.330	0.000	170.130	0.000
28	171.120	1.306	170.840	0.000	170.610	0.000	170.340	0.000	170.310	0.000	170.120	0.000
29	171.110	1.261	170.840	0.000			170.350	0.000	170.300	0.000	170.130	0.000
30	171.120	1.344 *	170.840	0.000			170.350	0.000	170.290	0.000	170.120	0.000
31	171.100	1.094	170.830	0.000			170.340	0.000			170.110	0.000
Ten-Daily Mean												
I Ten-Daily	171.240	2.139	171.057	0.965	170.797	0.000	170.638	0.000	170.297	0.000	170.266	0.000
II Ten-Daily	171.195	1.956	170.950	0.392	170.741	0.000	170.522	0.000	170.172	0.000	170.187	0.000
III Ten-Daily	171.154	1.611	170.866	0.000	170.679	0.000	170.367	0.000	170.272	0.000	170.145	0.000
Monthly												
Min.	171.100	1.094	170.830	0.000	170.610	0.000	170.340	0.000	170.110	0.000	170.110	0.000
Max.	171.350	2.879	171.100	1.145	170.820	0.000	170.680	0.000	170.330	0.000	170.300	0.000
Mean	171.195	1.893	170.955	0.438	170.743	0	170.505	0	170.247	0	170.197	0

Peak Computed Discharge = 2.293 cumecs on 18-11-2018

Corres. Water Level :171.28 m

Lowest Computed Discharge = 0.026 cumecs on 22-08-2018

Corres. Water Level :170.9 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

#:Computed Discharge

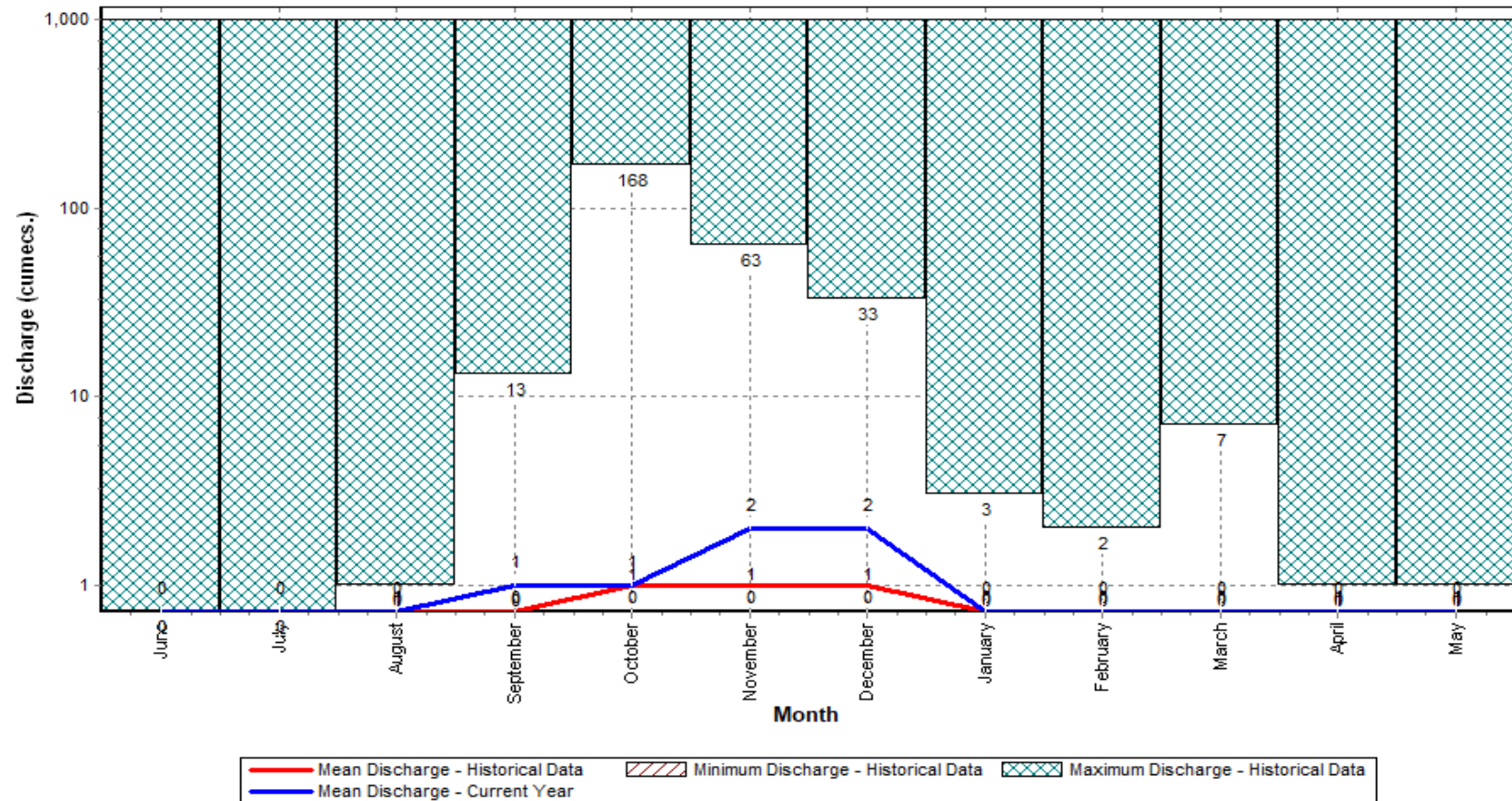
#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Station Name : THEVUR (CCH00C3)
Local River : Sarabenga

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019 Data considered : 2000-2019

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore

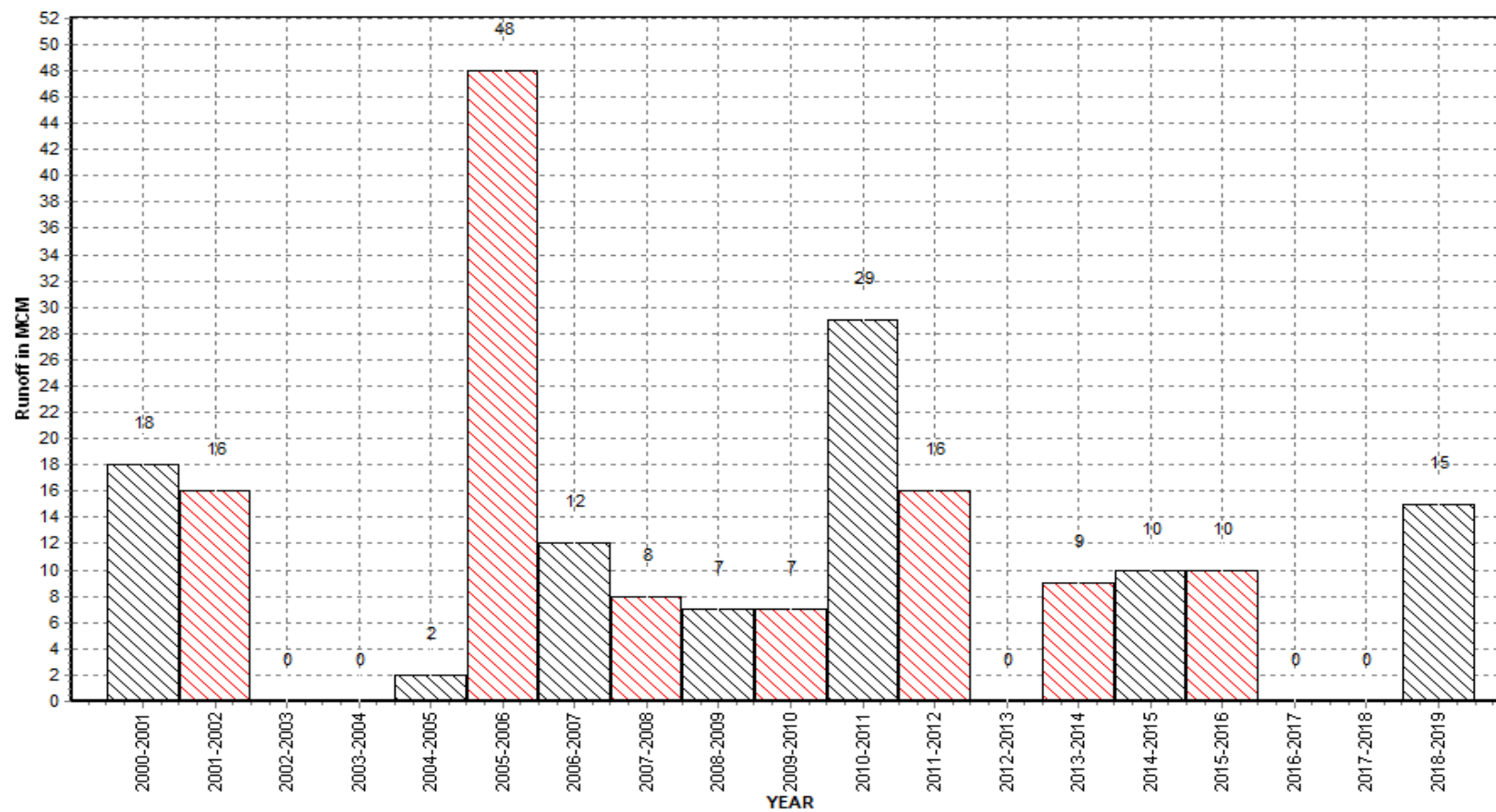


Station Name : THEVUR (CCH00C3)
Local River : Sarabenga

Annual Runoff Values for the period: 2000 - 2019

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore

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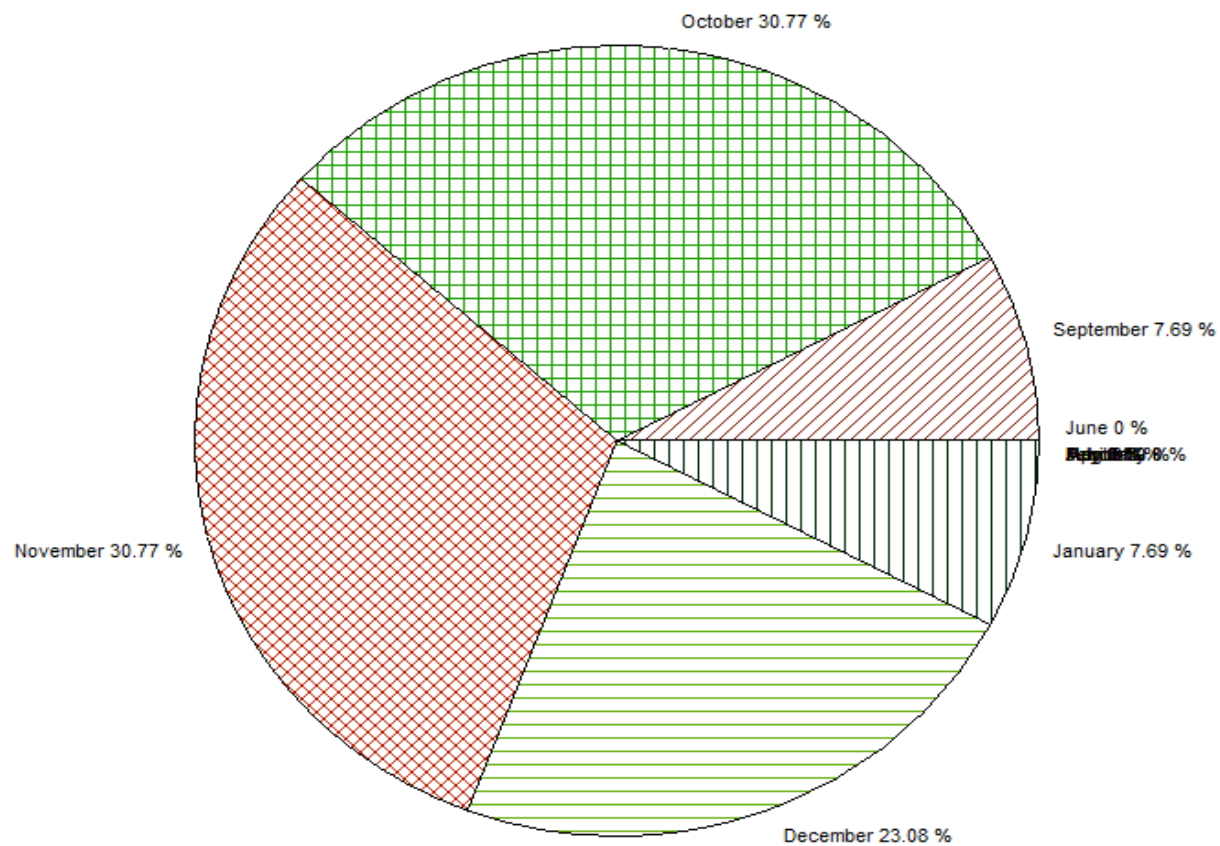
Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : THEVUR (CCH00C3)
Local River : Sarabenga

Monthly Average Runoff based on period : 2000-2018

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore

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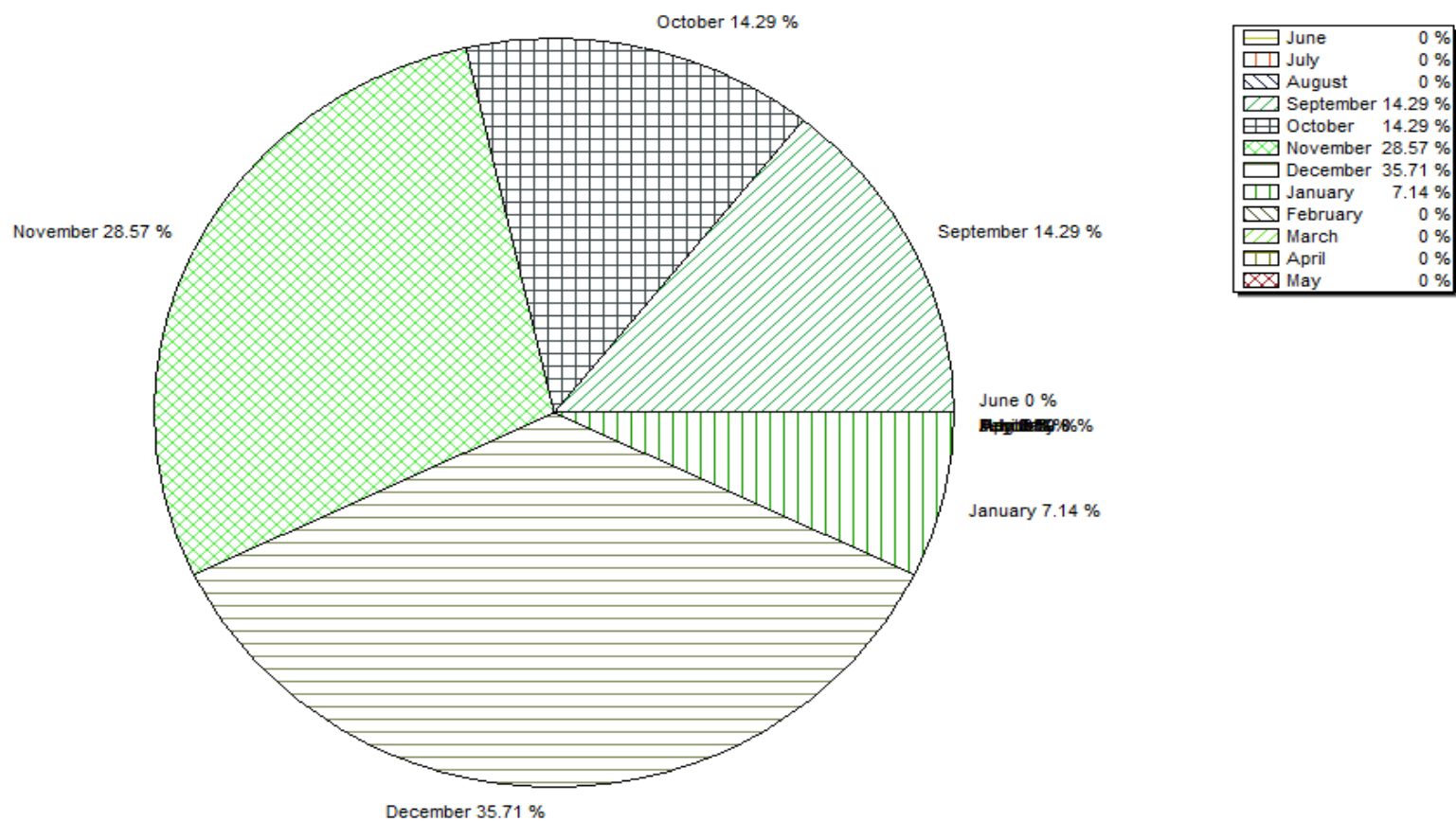


June	0 %
July	0 %
August	0 %
September	7.69 %
October	30.77 %
November	30.77 %
December	23.08 %
January	7.69 %
February	0 %
March	0 %
April	0 %
May	0 %

Station Name : THEVUR (CCH00C3)
Local River : Sarabenga

Monthly Runoff for the Year : 2018-2019

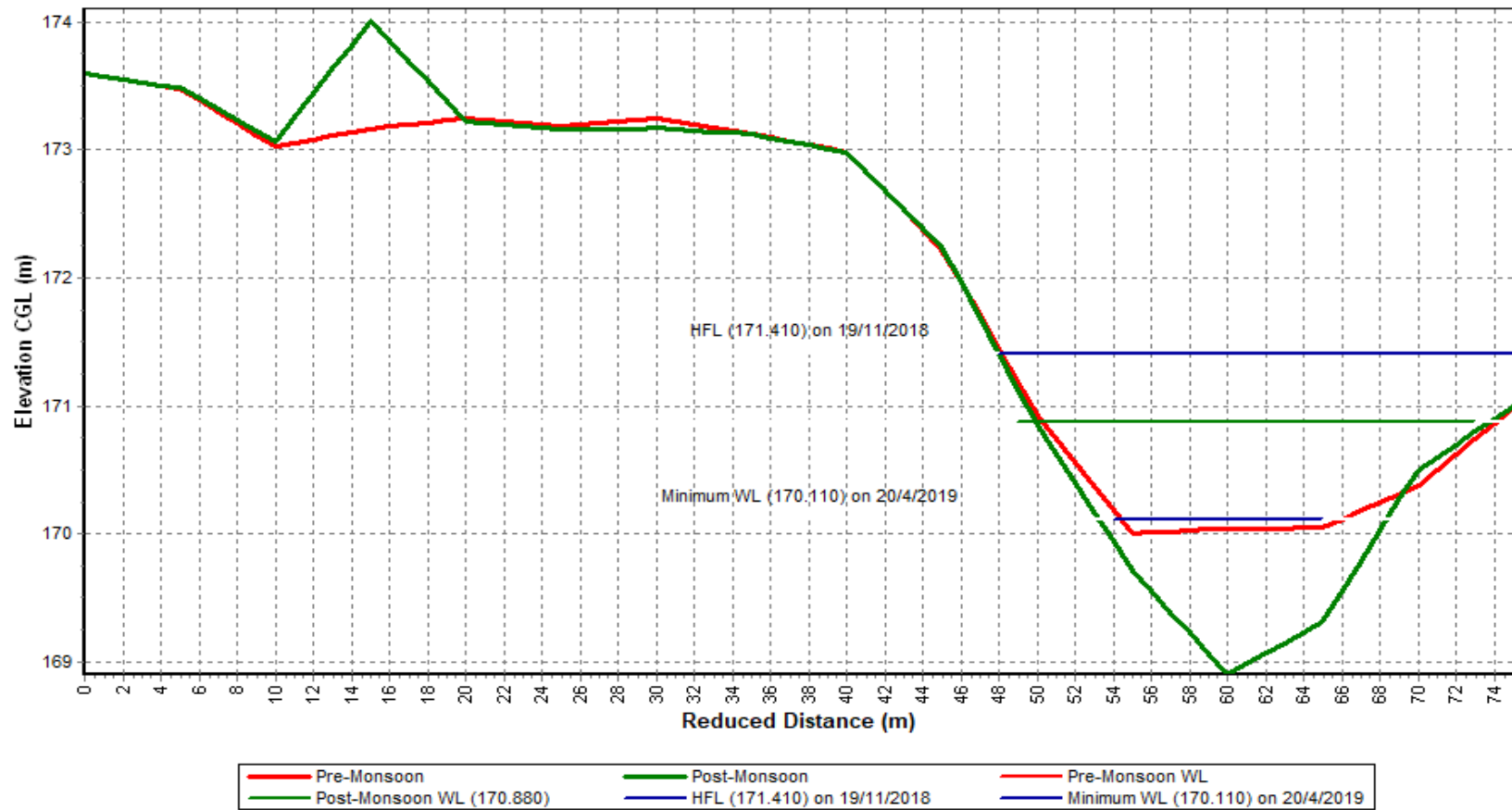
Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : THEVUR (CCH00C3)
Local River : Sarabenga

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



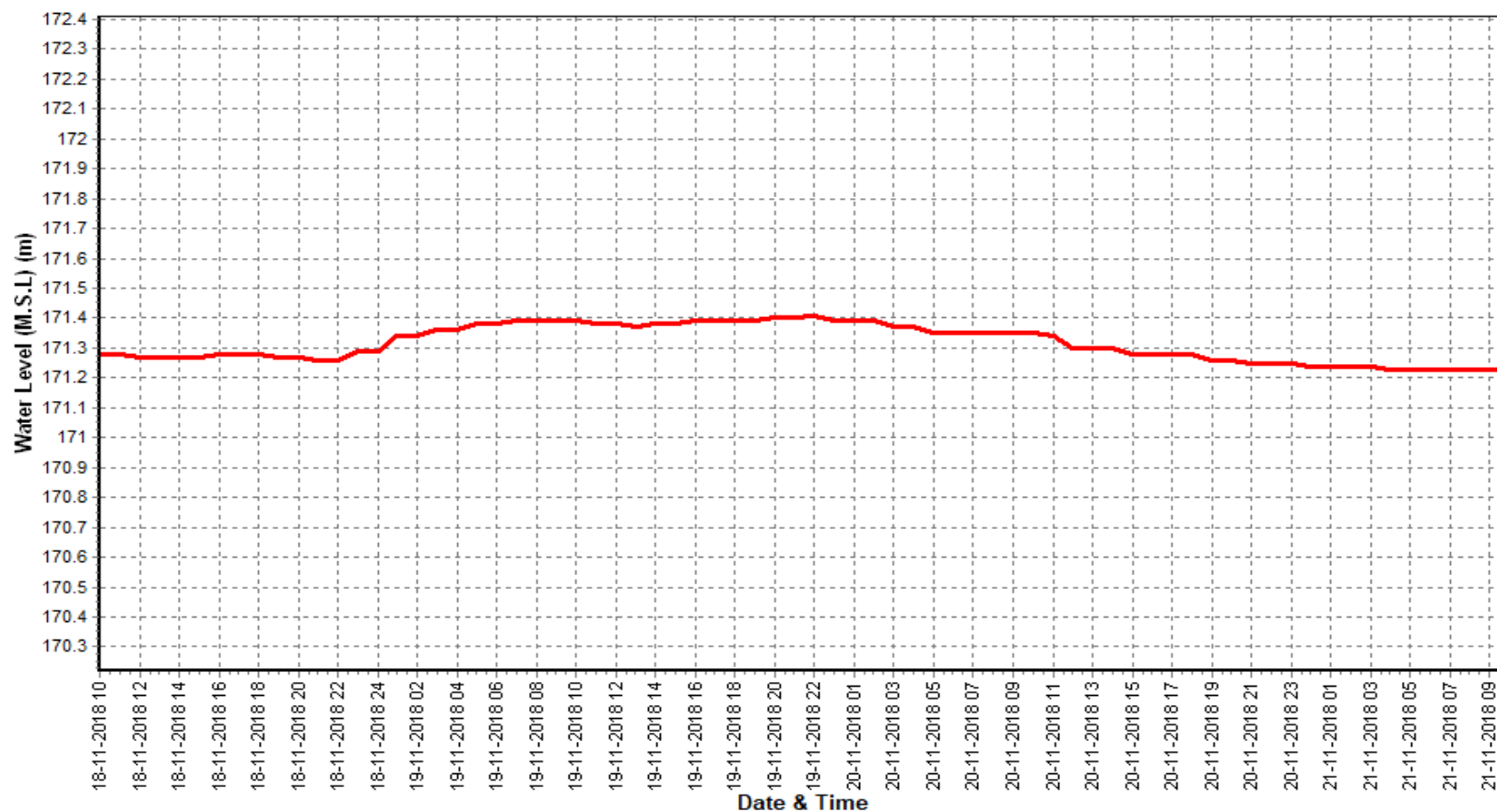
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : THEVUR (CCH00C3)

Local River : Sarabenga

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

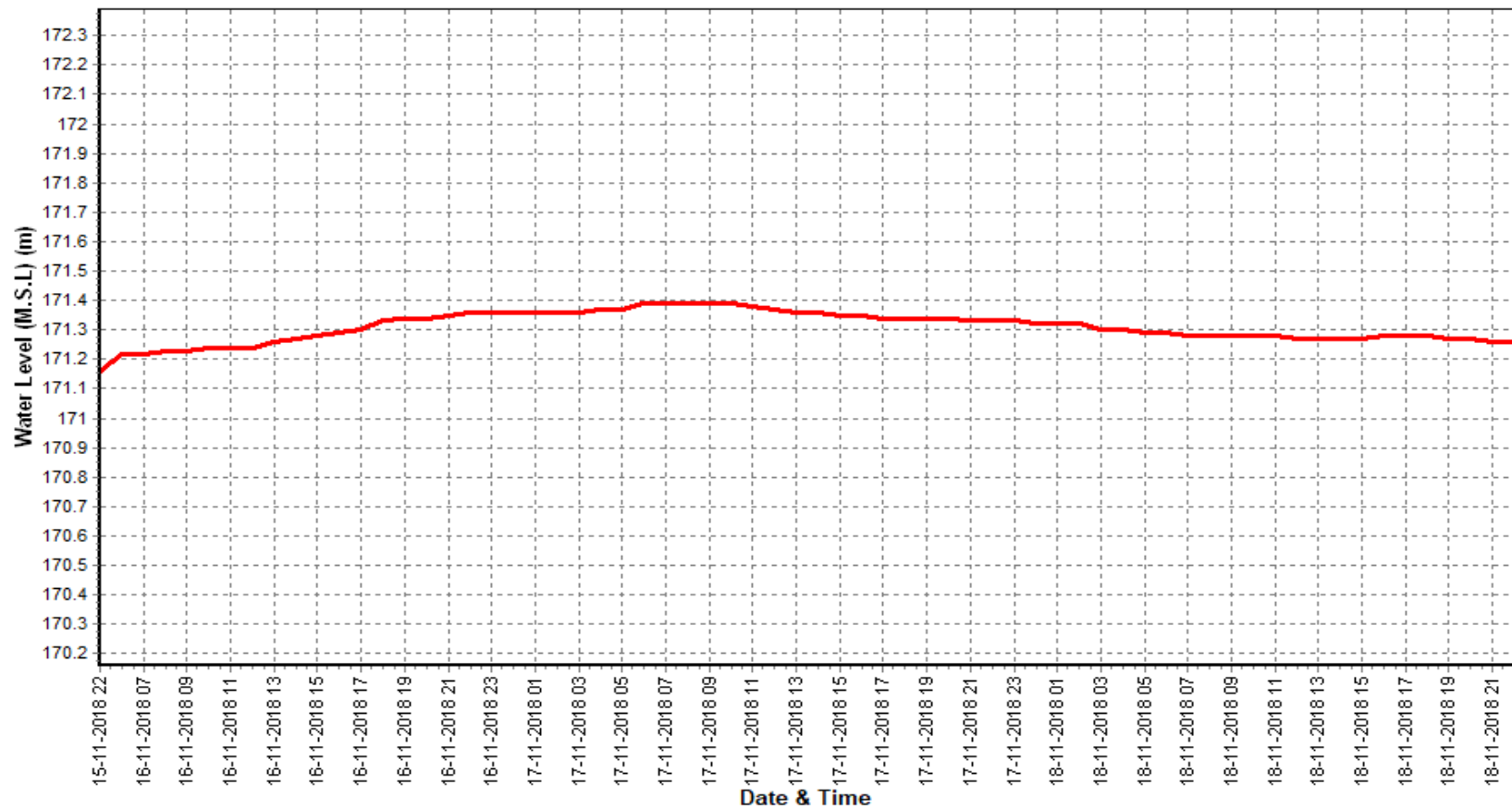


Time Span: 72 Hrs

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : THEVUR (CCH00C3)
Local River : Sarabenga

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore

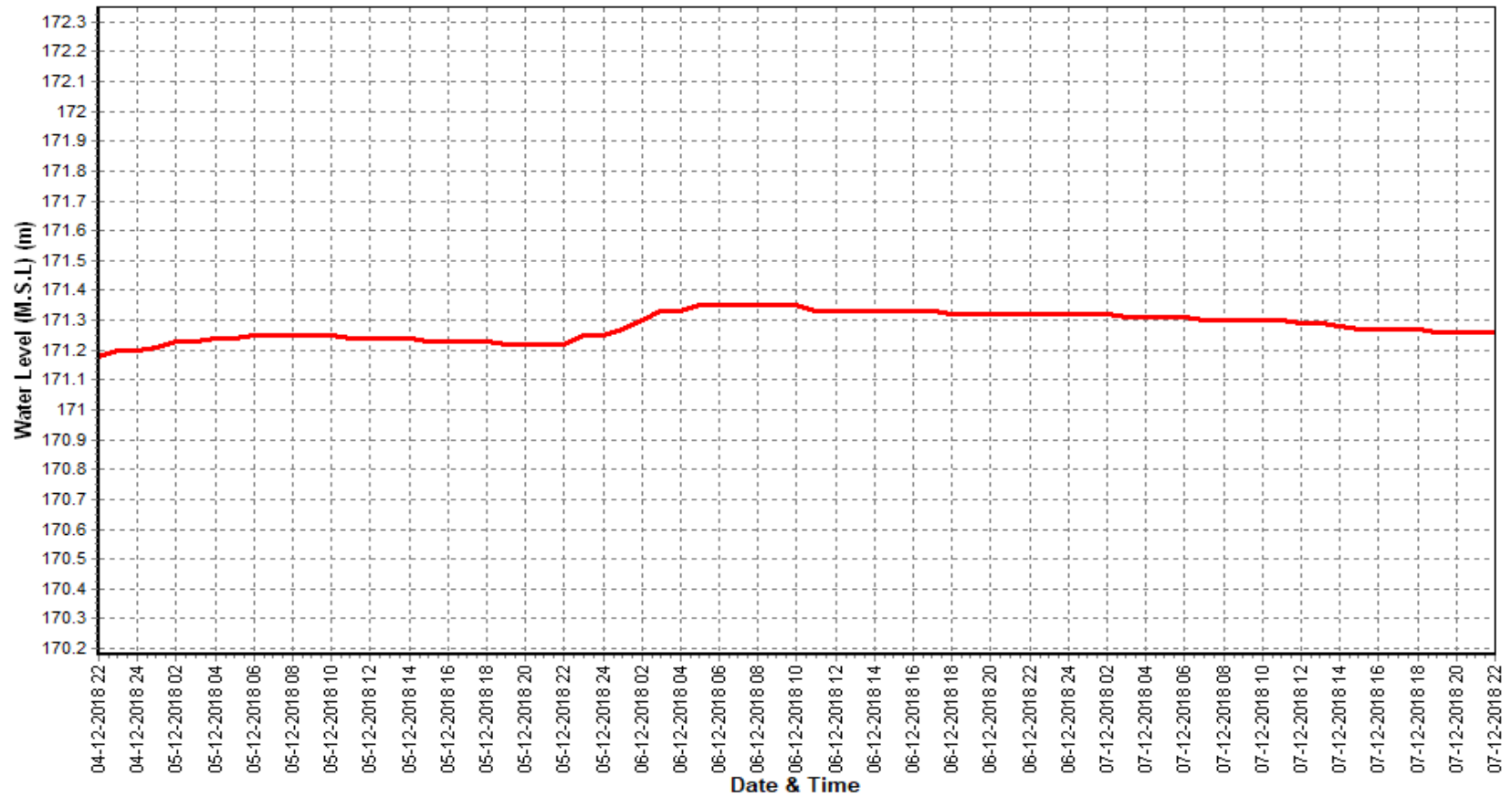


Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : THEVUR (CCH00C3)
Local River : Sarabenga

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2018-2019

Site : SEVANUR

Code : CCI00C4

State : Tamil Nadu

District : Erode

Basin : Cauvery

Independent River : Cauvery

Tributary : Chittar

Sub Tributary :

Sub-Sub Tributary :

Local River : Chittar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

Drainage Area : 258 Sq. Km.

Bank : Right

Latitude : 11°33'07"

Longitude : 77°43'55"

Zero of Gauge (m) : 170.000 (m.s.l)

27-11-97

Opening Date

Closing Date

Gauge : 27-11-97

Discharge : 20-09-99

Sediment :

Water Quality : 01-10-01

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2000-2001	7.823	171.570	30-11-00	0.000	Dry Bed	01-06-00
2001-2002	10.33	171.520	26-10-01	0.000	Dry Bed	01-06-01
2002-2003	1.515	170.960	30-10-02	0.000	Dry Bed	01-06-02
2003-2004	3.652	171.190	01-04-04	0.000	Dry Bed	01-06-03
2004-2005	7.197	171.250	31-10-04	0.000	Dry Bed	01-06-04
2005-2006	41.04	172.170	25-10-05	0.000	Dry Bed	21-06-05
2006-2007	2.558	170.950	19-11-06	0.000	Dry Bed	01-06-06
2007-2008	5.007	171.190	19-12-07	0.000	Dry Bed	01-06-07
2008-2009	4.913	171.290	29-11-08	0.000	Dry Bed	08-06-08
2009-2010	58.40	172.380	13-10-09	0.000	Dry Bed	11-06-09
2010-2011	3.216	171.275	10-11-10	0.000	Dry Bed	01-06-10
2011-2012	2.548	171.170	31-12-11	0.000	170.590	01-06-11
2012-2013	0.178	170.710	16-10-12	0.000	Dry Bed	01-06-12
2013-2014	4.294	171.100	17-10-13	0.000	Dry Bed	01-06-13
2014-2015	15.03	171.600	27-10-14	0.000	Dry Bed	01-06-14
2015-2016	22.97	171.600	05-11-15	0.000	Dry Bed	01-06-15
2016-2017	0.000	Dry Bed	24-11-16	0.000	Dry Bed	21-06-16
2017-2018	0.989	170.790	05-10-17	0.000	Dry Bed	01-06-17

Stage-Discharge Data for the period 2018 - 2019

Station Name : SEVANUR (CCI00C4)

Division : SR Division, Coimbatore

Local River : Chittar

Sub-Division : Middle Cauvery SD, Coimbatore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1		0.000	170.580	0.000		0.000	170.650	0.228	170.840	1.124 #	170.710	0.441
2		0.000	170.550	0.000		0.000	170.650	0.227 *	170.700	0.505 *	170.720	0.514
3		0.000	170.510	0.000		0.000	170.640	0.202	170.710	0.541	170.760	0.821
4		0.000		0.000		0.000	170.640	0.209	170.710	0.543	170.760	0.747 *
5		0.000		0.000		0.000	170.620	0.146	170.760	0.879	170.780	1.046
6		0.000		0.000		0.000	170.610	0.114	170.720	0.559	170.750	0.705 *
7		0.000		0.000		0.000	170.620	0.149	170.720	0.582 *	170.700	0.555
8	170.570	0.000		0.000		0.000	170.620	0.149	170.680	0.351	170.690	0.459
9	170.580	0.000		0.000		0.000	170.620	0.145 *	170.840	1.124 #	170.690	0.461
10	170.590	0.000		0.000		0.000	170.640	0.213	170.720	0.554	170.670	0.411
11	170.590	0.000		0.000		0.000	170.680	0.297	170.700	0.418	170.700	0.505 *
12	170.560	0.000		0.000	171.140	0.000	170.680	0.317	170.700	0.399	170.700	0.565
13	170.550	0.000		0.000	170.530	0.000	170.680	0.330 *	170.740	0.733	170.690	0.460
14	170.540	0.000		0.000	170.490	0.000	170.660	0.254	170.700	0.505 *	170.700	0.556
15	170.520	0.000		0.000	170.530	0.000	170.680	0.305	170.750	0.713	170.700	0.600
16	170.510	0.000		0.000	171.920	0.000	170.680	0.330 *	170.750	0.718	170.760	0.818
17	170.490	0.000		0.000	171.990	0.000	170.750	0.674	170.740	0.582	170.710	0.692
18		0.000		0.000	172.160	0.000	170.700	0.424	170.730	0.622 *	170.670	0.398 *
19		0.000		0.000	172.970	0.000	170.680	0.361	170.740	0.663 *	170.900	1.800
20		0.000		0.000	172.930	0.000	170.670	0.293 *	170.750	0.717	170.730	0.622 #
21		0.000		0.000	170.590	0.000	170.670	0.318	170.740	0.663 *	170.700	0.505 *
22	170.530	0.000		0.000	170.570	0.000	170.670	0.293 *	170.730	0.553	170.720	0.582 #
23	170.500	0.000		0.000	170.530	0.000	170.670	0.293 *	170.730	0.557	170.690	0.498 *
24	170.510	0.000		0.000	170.530	0.000	170.700	0.400	170.720	0.471	170.680	0.547
25	170.490	0.000		0.000	170.530	0.000	170.730	0.530	170.720	0.474	170.670	0.398 *
26		0.000		0.000	170.530	0.000	170.750	0.640	170.700	0.404	170.650	0.370
27		0.000		0.000	170.620	0.134	170.800	0.950	170.730	0.628	170.650	0.363
28	170.510	0.000		0.000	170.610	0.118	170.850	1.175 #	170.730	0.622 *	170.660	0.463
29	170.600	0.000		0.000	170.650	0.225	171.490	5.785	170.720	0.488	170.650	0.367
30	170.580	0.000		0.000	170.650	0.228	170.850	1.175 *	170.720	0.494	170.710	0.658
31				0.000	170.650	0.227			170.720	0.490		
Ten-Daily Mean												
I Ten-Daily	170.580	0.000	170.547	0.000		0.000	170.631	0.178	170.740	0.676	170.723	0.616
II Ten-Daily	170.537	0.000		0.000	171.629	0.000	170.686	0.359	170.730	0.607	170.726	0.702
III Ten-Daily	170.531	0.000		0.000	170.587	0.085	170.818	1.156	170.724	0.531	170.678	0.475
Monthly												
Min.	170.490	0.000	170.510	0.000	170.490	0.000	170.610	0.114	170.680	0.351	170.650	0.363
Max.	170.600	0.000	170.580	0.000	172.970	0.228	171.490	5.785	170.840	1.124	170.900	1.800
Mean	170.542	0	170.547	0	171.056	0.03	170.712	0.564	170.731	0.602	170.709	0.598

Annual Runoff in MCM = 7 Annual Runoff in mm = 26

Peak Observed Discharge = 5.785 cumecs on 29-09-2018 Corres. Water Level :171.49 m

Lowest Observed Discharge = 0.000 cumecs on 01-06-2018

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : SEVANUR (CCI00C4)

Division : SR Division, Coimbatore

Local River : Chittar

Sub-Division : Middle Cauvery SD, Coimbatore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	170.680	0.539	170.650	0.325	170.570	0.080		0.000		0.000	170.550	0.000
2	170.670	0.461 *	170.610	0.204	170.570	0.072	170.560	0.000		0.000	170.540	0.000
3	170.710	0.684	170.610	0.203	170.570	0.081 *	170.560	0.000		0.000	170.540	0.000
4	170.710	0.689	170.600	0.161	170.570	0.072	170.560	0.000		0.000	170.530	0.000
5	170.720	0.766	170.600	0.156	170.570	0.068	170.560	0.000		0.000	170.530	0.000
6	170.730	0.839	170.600	0.163 *	170.540	0.000	170.550	0.000		0.000	170.520	0.000
7	170.730	0.835	170.610	0.205	170.550	0.000	170.540	0.000		0.000	170.520	0.000
8	170.720	0.803	170.610	0.201	170.555	0.000	170.540	0.000		0.000	170.520	0.000
9	170.720	0.765 *	170.600	0.160	170.555	0.000		0.000		0.000	170.520	0.000
10	170.710	0.700	170.600	0.163	170.560	0.000		0.000		0.000	170.520	0.000
11	170.700	0.566	170.600	0.163	170.560	0.000		0.000		0.000		0.000
12	170.710	0.719	170.600	0.159	170.560	0.000		0.000		0.000		0.000
13	170.680	0.554	170.600	0.163 *	170.550	0.000		0.000		0.000		0.000
14	170.700	0.568	170.600	0.167	170.545	0.000		0.000		0.000		0.000
15	170.700	0.579	170.600	0.163 *	170.545	0.000		0.000		0.000		0.000
16	170.680	0.516 *	170.580	0.114	170.530	0.000		0.000		0.000	170.560	0.000
17	170.680	0.610	170.590	0.155	170.550	0.000		0.000		0.000	170.560	0.000
18	170.680	0.611	170.590	0.154	170.530	0.000		0.000		0.000	170.560	0.000
19	170.680	0.599	170.580	0.113	170.540	0.000		0.000	170.540	0.000	170.560	0.000
20	170.710	0.680	170.580	0.105 *	170.550	0.000		0.000	170.670	0.409	170.560	0.000
21	170.680	0.546	170.570	0.077	170.560	0.000		0.000	170.610	0.196 *	170.560	0.000
22	170.680	0.550	170.570	0.075	170.560	0.000		0.000	170.610	0.212	170.550	0.000
23	170.680	0.516 *	170.570	0.091	170.560	0.000		0.000	170.610	0.212		0.000
24	170.680	0.530	170.570	0.083	170.550	0.000		0.000	170.600	0.151		0.000
25	170.680	0.516 *	170.570	0.085	170.540	0.000		0.000	170.600	0.156		0.000
26	170.660	0.384	170.570	0.081 *	170.530	0.000		0.000	170.600	0.150		0.000
27	170.650	0.324	170.570	0.081 *	170.530	0.000		0.000	170.600	0.154	170.570	0.000
28	170.650	0.317	170.570	0.087	170.530	0.000		0.000	170.590	0.132 *	170.560	0.000
29	170.650	0.324	170.570	0.088				0.000	170.560	0.000	170.570	0.000
30	170.650	0.361 *	170.570	0.086				0.000	170.550	0.000	170.560	0.000
31	170.660	0.390	170.570	0.071				0.000			170.560	0.000
Ten-Daily Mean												
I Ten-Daily	170.710	0.708	170.609	0.194	170.561	0.037	170.553	0.000		0.000	170.529	0.000
II Ten-Daily	170.692	0.600	170.592	0.146	170.546	0.000		0.000	170.605	0.041	170.560	0.000
III Ten-Daily	170.665	0.433	170.570	0.082	170.545	0.000		0.000	170.593	0.136	170.561	0.000
Monthly												
Min.	170.650	0.317	170.570	0.071	170.530	0.000	170.540	0.000	170.540	0.000	170.520	0.000
Max.	170.730	0.839	170.650	0.325	170.570	0.081	170.560	0.000	170.670	0.409	170.570	0.000
Mean	170.688	0.576	170.590	0.139	170.551	0.013	170.553	0	170.595	0.059	170.546	0

Peak Computed Discharge = 1.175 cumecs on 30-09-2018

Corres. Water Level :170.85 m

Lowest Computed Discharge = 0.081 cumecs on 26-01-2019

Corres. Water Level :170.57 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

#:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

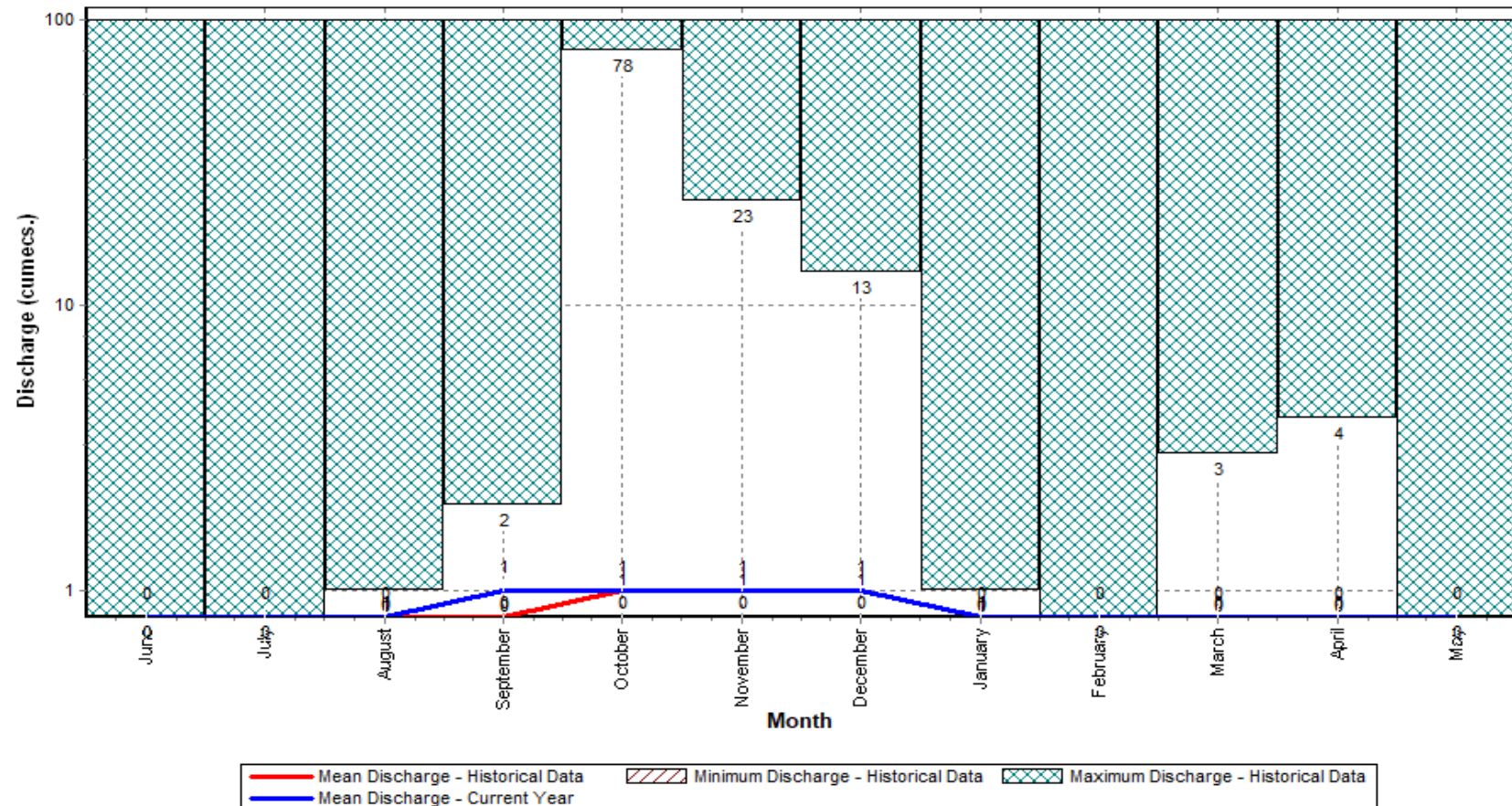
Note:Missing values ignored while arriving at Annual Runoff

Station Name : SEVANUR (CCI00C4)
Local River : Chittar

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019 Data considered : 2000-2019

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore

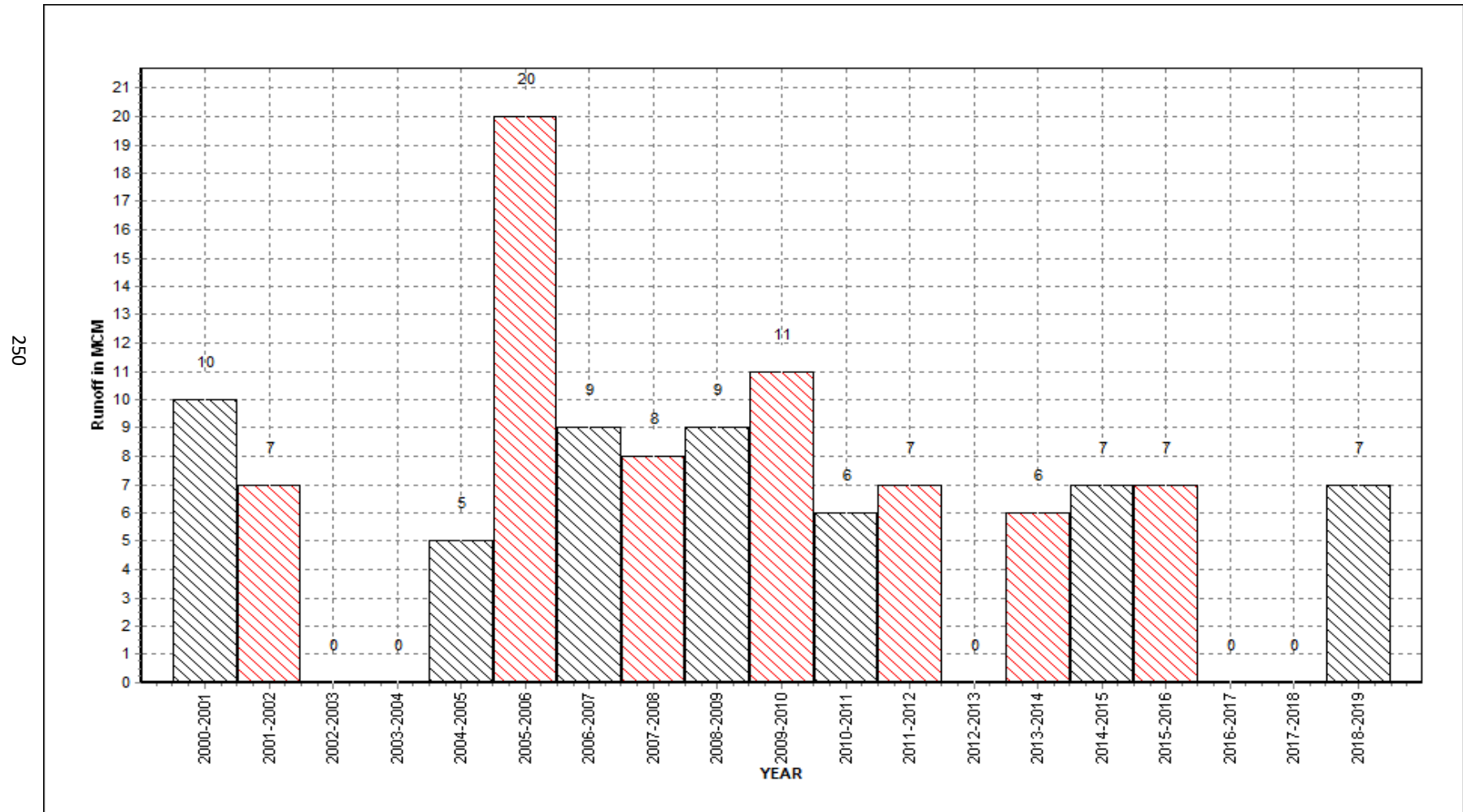
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Annual Runoff Values for the period: 2000 - 2019

Station Name : SEVANUR (CCI00C4)
Local River : Chittar

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



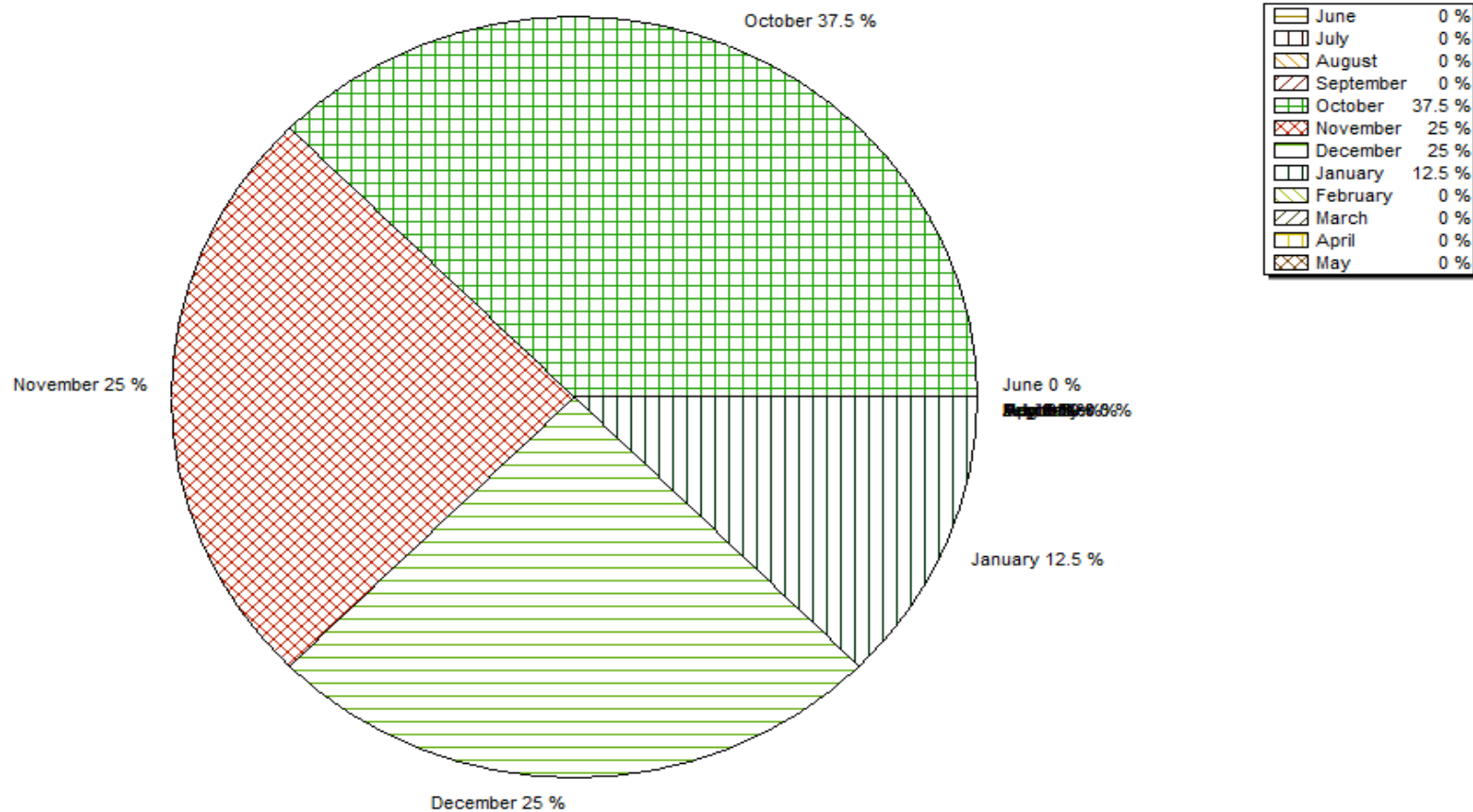
Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : SEVANUR (CCI00C4)
Local River : Chittar

Monthly Average Runoff based on period : 2000-2018

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore

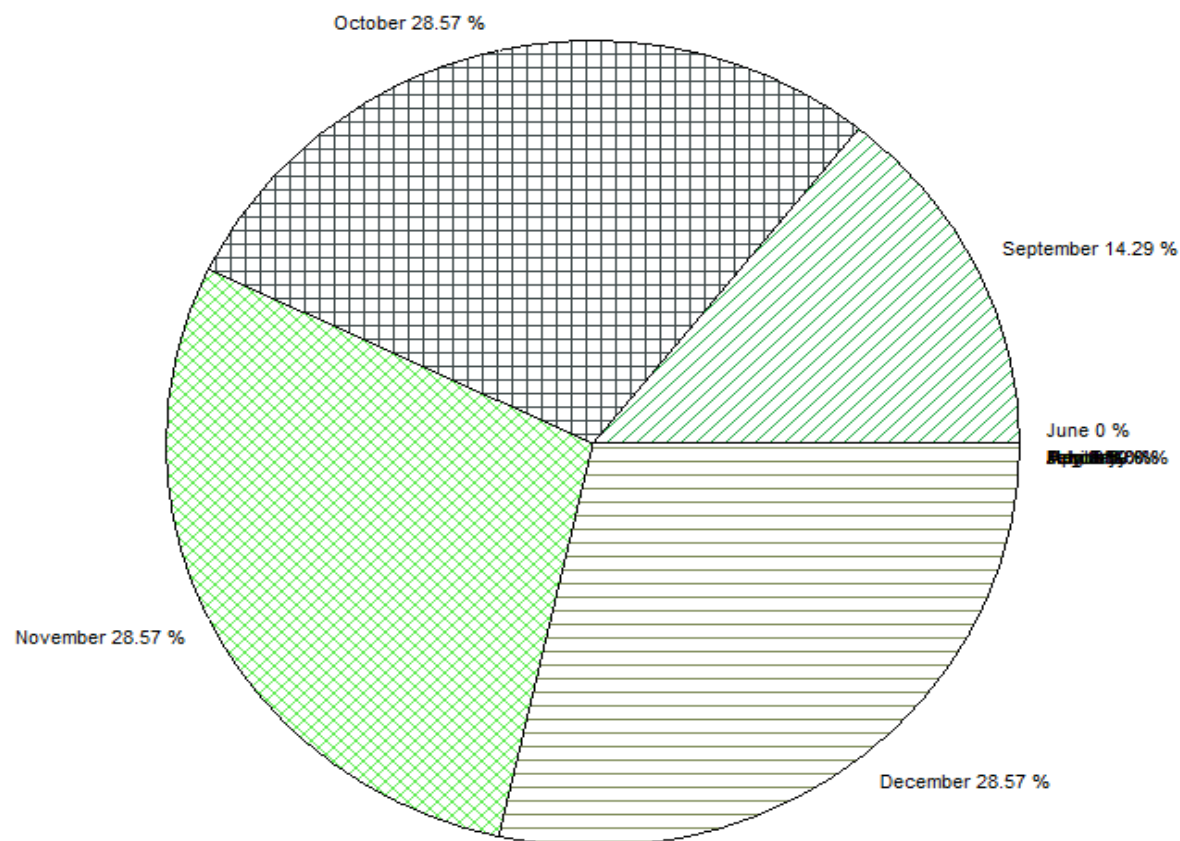
251



Station Name : SEVANUR (CCI00C4)
Local River : Chittar

Monthly Runoff for the Year : 2018-2019

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



June	0 %
July	0 %
August	0 %
September	14.29 %
October	28.57 %
November	28.57 %
December	28.57 %
January	0 %
February	0 %
March	0 %
April	0 %
May	0 %

Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

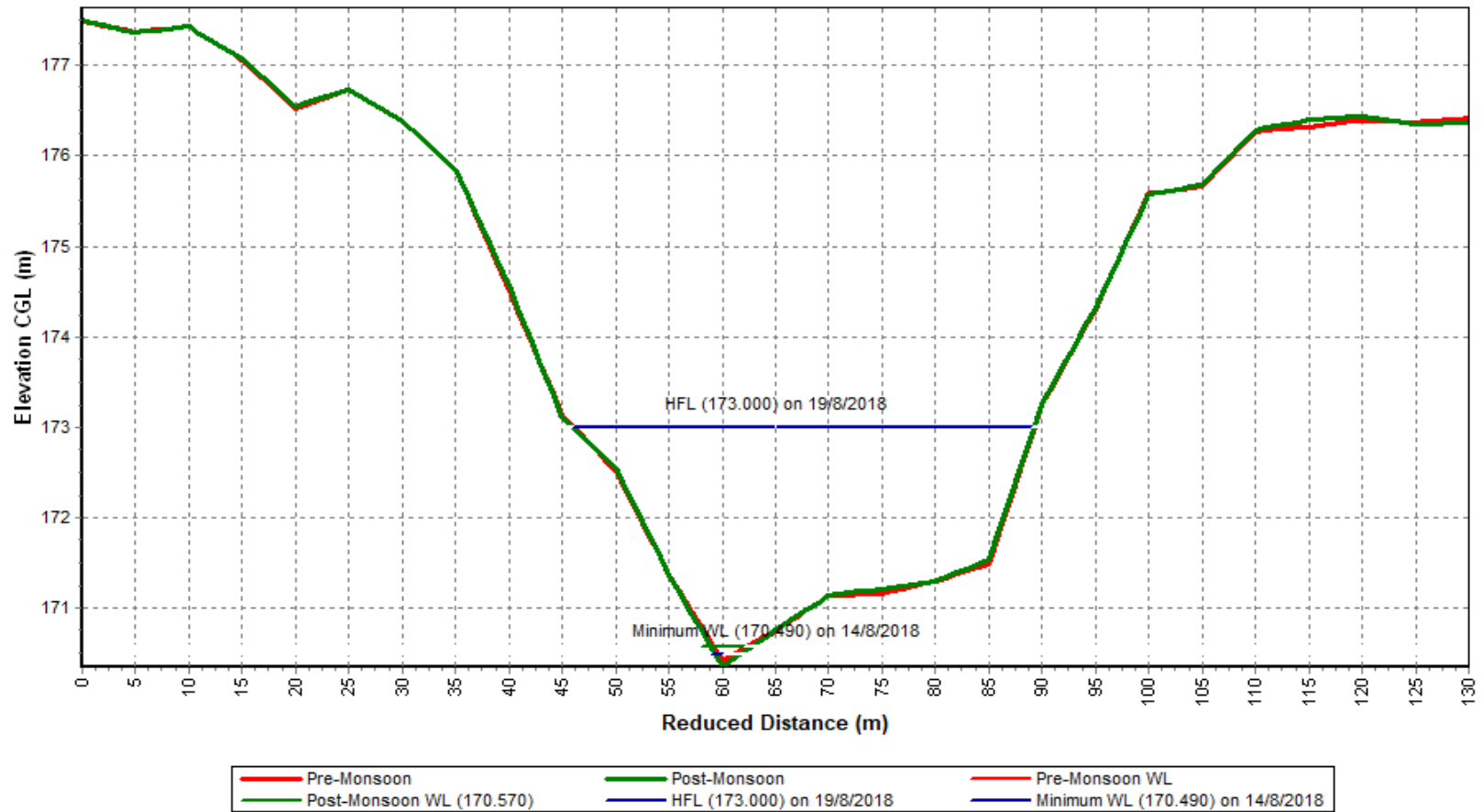
Station Name : SEVANUR (CCI00C4)

Local River : Chittar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

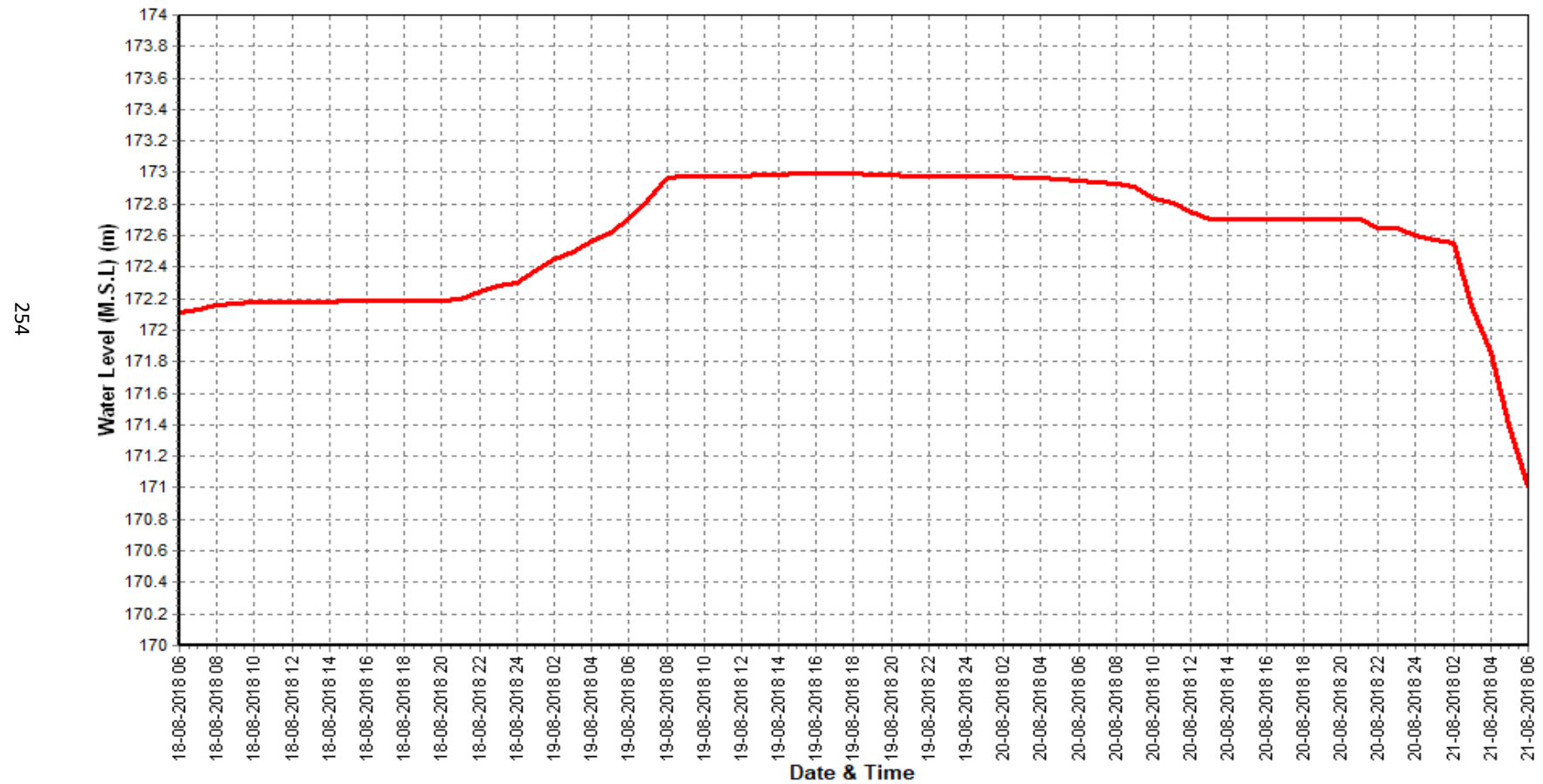
253



Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : SEVANUR (CCI00C4)
Local River : Chittar

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



Time Span: 72 Hrs

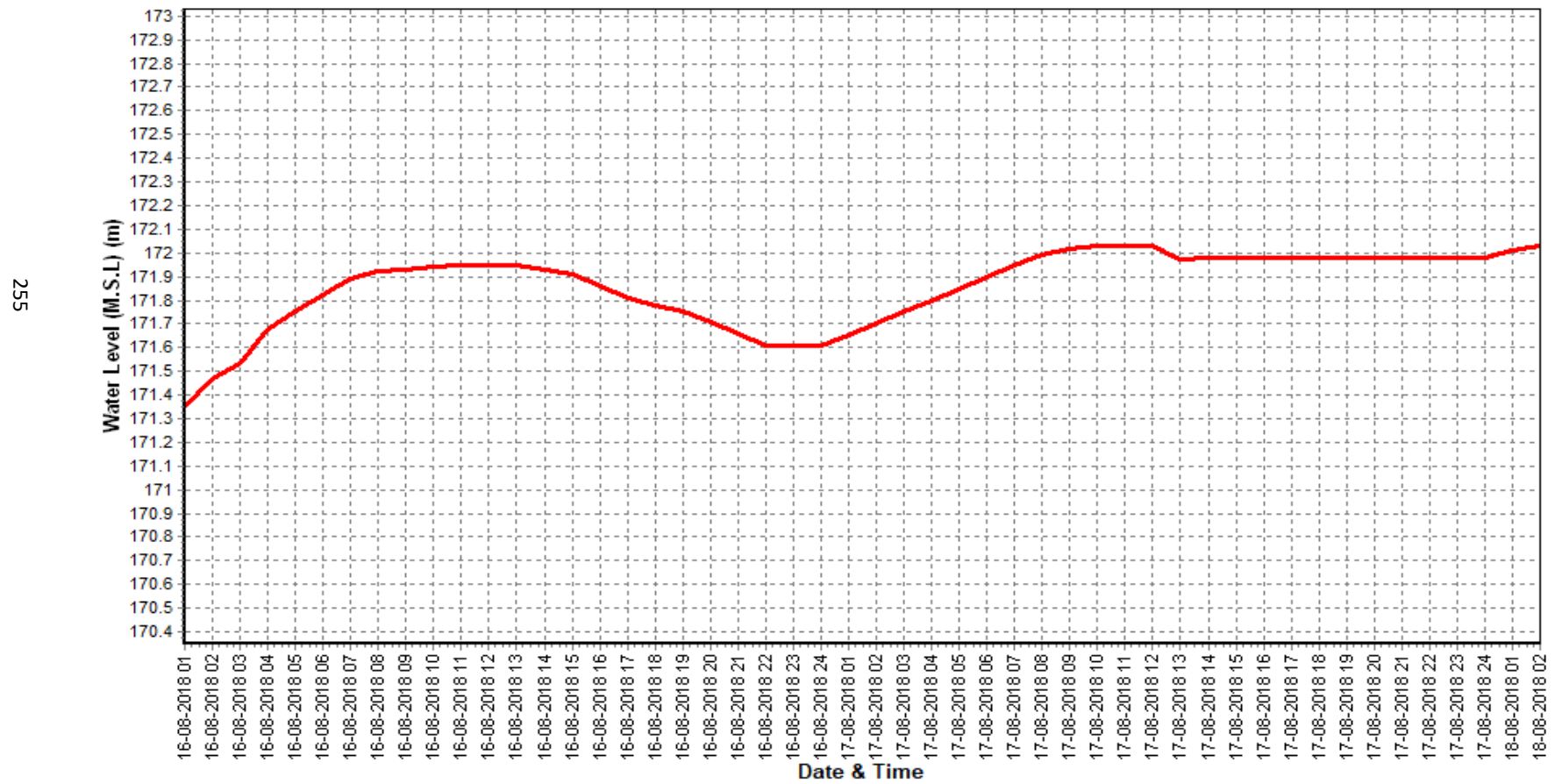
Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : SEVANUR (CCI00C4)

Local River : Chittar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore



Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

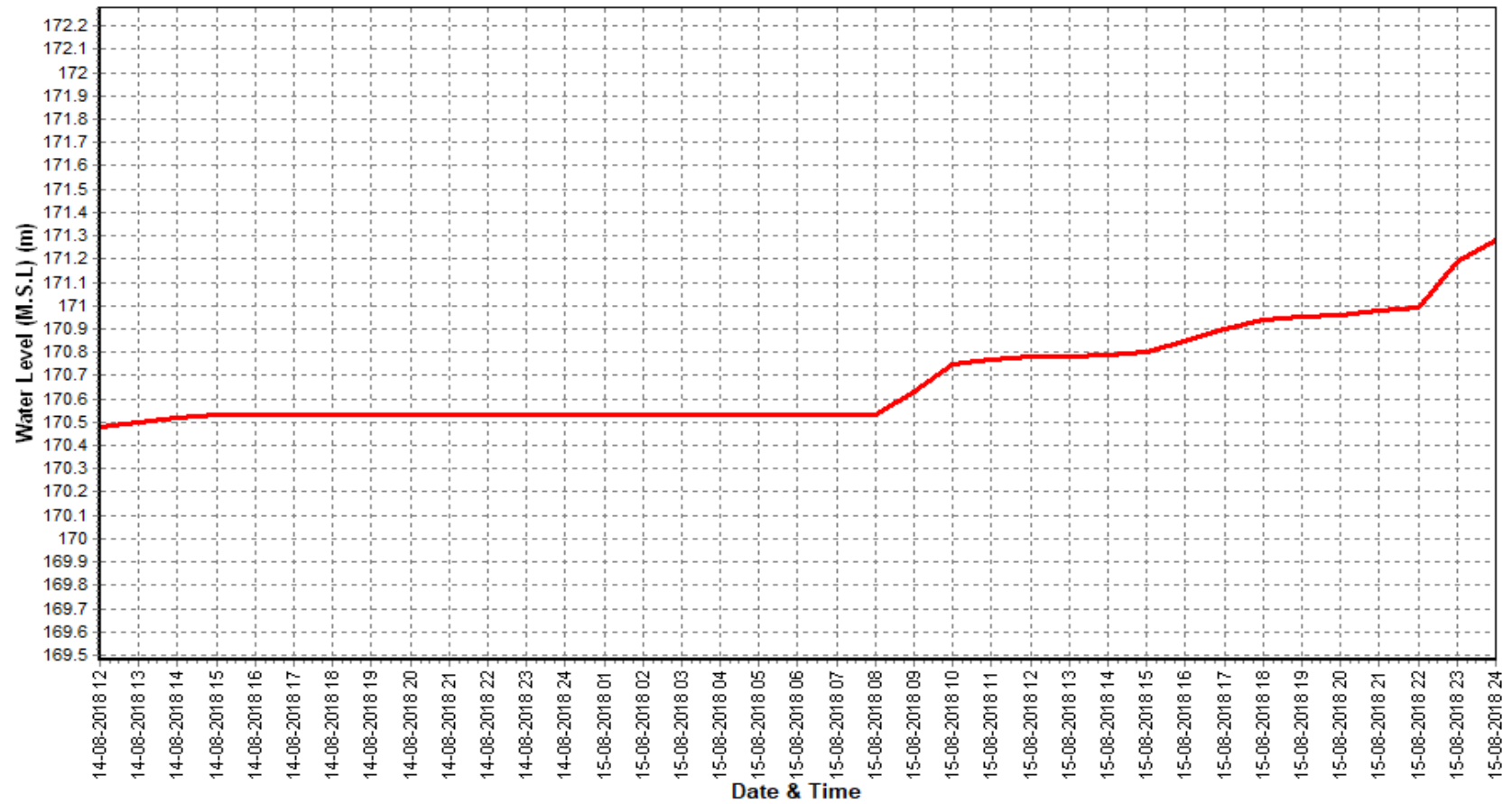
Station Name : SEVANUR (CCI00C4)

Local River : Chittar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

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Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2018-2019

Site : THOPPUR

Code : CCJ0012

State : Tamil Nadu

District : Salem

Basin : Cauvery

Independent River : Cauvery

Tributary : Thoppaiyar

Sub Tributary :

Sub-Sub Tributary :

Local River : Thoppaiyar

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi

Drainage Area : 362 Sq. Km.

Bank : Left

Latitude : 11°56'18"

Longitude : 78°03'26"

Zero of Gauge (m) : 320.000 (m.s.l)

08-01-98

Opening Date

Closing Date

Gauge : 08-01-98

Discharge : 21-10-99

Sediment :

Water Quality : 01-11-01

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2000-2001	16.69	324.235	01-12-00	0.000	Dry Bed	01-06-00
2001-2002	0.404	323.395	17-10-01	0.000	Dry Bed	01-06-01
2002-2003	0.000	323.165	07-11-02	0.000	Dry Bed	01-06-02
2003-2004	0.000	320.680	11-11-03	0.000	Dry Bed	01-06-03
2004-2005	0.000	323.620	07-06-04	0.000	Dry Bed	22-06-04
2005-2006	60.87	325.810	24-11-05	0.000	Dry Bed	01-06-05
2006-2007	0.177	323.250	09-10-06	0.000	Dry Bed	13-07-06
2007-2008	0.388	323.280	25-10-07	0.000	Dry Bed	01-06-07
2008-2009	0.105	323.300	29-11-08	0.000	Dry Bed	09-07-08
2009-2010	0.000	323.125	01-06-09	0.000	Dry Bed	29-06-09
2010-2011	2.647	323.840	08-12-10	0.000	Dry Bed	01-06-10
2011-2012	0.845	323.440	05-11-11	0.000	323.115	05-08-11
2012-2013	0.000	322.900	01-06-12	0.000	322.900	01-06-12
2013-2014	0.000	Dry Bed	01-06-13	0.000	Dry Bed	01-06-13
2014-2015	0.000	Dry Bed	01-06-14	0.000	Dry Bed	01-06-14
2015-2016	3.981	324.065	08-12-15	0.000	Dry Bed	01-06-15
2016-2017	0.000	322.905	23-09-16	0.000	Dry Bed	21-04-17
2017-2018	1.098	323.700	01-08-17	0.000	Dry Bed	01-06-17

Stage-Discharge Data for the period 2018 - 2019

Station Name : Thoppur (CCJ00I2)

Division : SR Division, Coimbatore

Local River : Thoppaiyar

Sub-Division : Middle Cauvery SD, Coimbatore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1		0.000		0.000		0.000		0.000		0.000		0.000
2		0.000		0.000		0.000		0.000		0.000		0.000
3		0.000		0.000		0.000		0.000		0.000		0.000
4		0.000		0.000		0.000		0.000		0.000		0.000
5		0.000		0.000		0.000		0.000		0.000		0.000
6		0.000		0.000		0.000		0.000		0.000		0.000
7		0.000		0.000		0.000		0.000		0.000		0.000
8		0.000		0.000		0.000		0.000		0.000		0.000
9		0.000		0.000		0.000		0.000		0.000		0.000
10		0.000		0.000		0.000		0.000		0.000		0.000
11		0.000		0.000		0.000		0.000		0.000		0.000
12		0.000		0.000		0.000		0.000		0.000		0.000
13		0.000		0.000		0.000		0.000		0.000		0.000
14		0.000		0.000		0.000		0.000		0.000		0.000
15		0.000		0.000		0.000		0.000		0.000		0.000
16		0.000		0.000		0.000		0.000		0.000		0.000
17		0.000		0.000		0.000		0.000		0.000		0.000
18		0.000		0.000		0.000		0.000		0.000		0.000
19		0.000		0.000		0.000		0.000		0.000		0.000
20		0.000		0.000		0.000		0.000		0.000		0.000
21		0.000		0.000		0.000		0.000		0.000		0.000
22		0.000		0.000		0.000		0.000		0.000		0.000
23		0.000		0.000		0.000		0.000		0.000		0.000
24		0.000		0.000		0.000		0.000		0.000		0.000
25		0.000		0.000		0.000		0.000		0.000		0.000
26		0.000		0.000		0.000		0.000		0.000		0.000
27		0.000		0.000		0.000		0.000		0.000		0.000
28		0.000		0.000		0.000		0.000		0.000		0.000
29		0.000		0.000		0.000		0.000		0.000		0.000
30		0.000		0.000		0.000		0.000		0.000		0.000
31				0.000		0.000				0.000		
<u>Ten-Daily Mean</u>												
I Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
II Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
III Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
<u>Monthly</u>												
Min.		0.000		0.000		0.000		0.000		0.000		0.000
Max.		0.000		0.000		0.000		0.000		0.000		0.000
Mean		0		0		0		0		0		0

Annual Runoff in MCM = 0 Annual Runoff in mm = 0

Peak Observed Discharge = 0.000 cumecs on 01-06-2018

Lowest Observed Discharge = 0.000 cumecs on 01-06-2018

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Thoppur (CCJ00I2)

Division : SR Division, Coimbatore

Local River : Thoppaiyar

Sub-Division : Middle Cauvery SD, Coimbatore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1		0.000		0.000		0.000		0.000		0.000		0.000
2		0.000		0.000		0.000		0.000		0.000		0.000
3		0.000		0.000		0.000		0.000		0.000		0.000
4		0.000		0.000		0.000		0.000		0.000		0.000
5		0.000		0.000		0.000		0.000		0.000		0.000
6		0.000		0.000		0.000		0.000		0.000		0.000
7		0.000		0.000		0.000		0.000		0.000		0.000
8		0.000		0.000		0.000		0.000		0.000		0.000
9		0.000		0.000		0.000		0.000		0.000		0.000
10		0.000		0.000		0.000		0.000		0.000		0.000
11		0.000		0.000		0.000		0.000		0.000		0.000
12		0.000		0.000		0.000		0.000		0.000		0.000
13		0.000		0.000		0.000		0.000		0.000		0.000
14		0.000		0.000		0.000		0.000		0.000		0.000
15		0.000		0.000		0.000		0.000		0.000		0.000
16		0.000		0.000		0.000		0.000		0.000		0.000
17		0.000		0.000		0.000		0.000		0.000		0.000
18		0.000		0.000		0.000		0.000		0.000		0.000
19		0.000		0.000		0.000		0.000		0.000		0.000
20		0.000		0.000		0.000		0.000		0.000		0.000
21		0.000		0.000		0.000		0.000		0.000		0.000
22		0.000		0.000		0.000		0.000		0.000		0.000
23		0.000		0.000		0.000		0.000		0.000		0.000
24		0.000		0.000		0.000		0.000		0.000		0.000
25		0.000		0.000		0.000		0.000		0.000		0.000
26		0.000		0.000		0.000		0.000		0.000		0.000
27		0.000		0.000		0.000		0.000		0.000		0.000
28		0.000		0.000		0.000		0.000		0.000		0.000
29		0.000		0.000				0.000		0.000		0.000
30		0.000		0.000				0.000		0.000		0.000
31		0.000		0.000				0.000				0.000
Ten-Daily Mean												
I Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
II Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
III Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
Monthly												
Min.		0.000		0.000		0.000		0.000		0.000		0.000
Max.		0.000		0.000		0.000		0.000		0.000		0.000
Mean		0		0		0		0		0		0

Q: Observed/Computed Discharge in cumecs

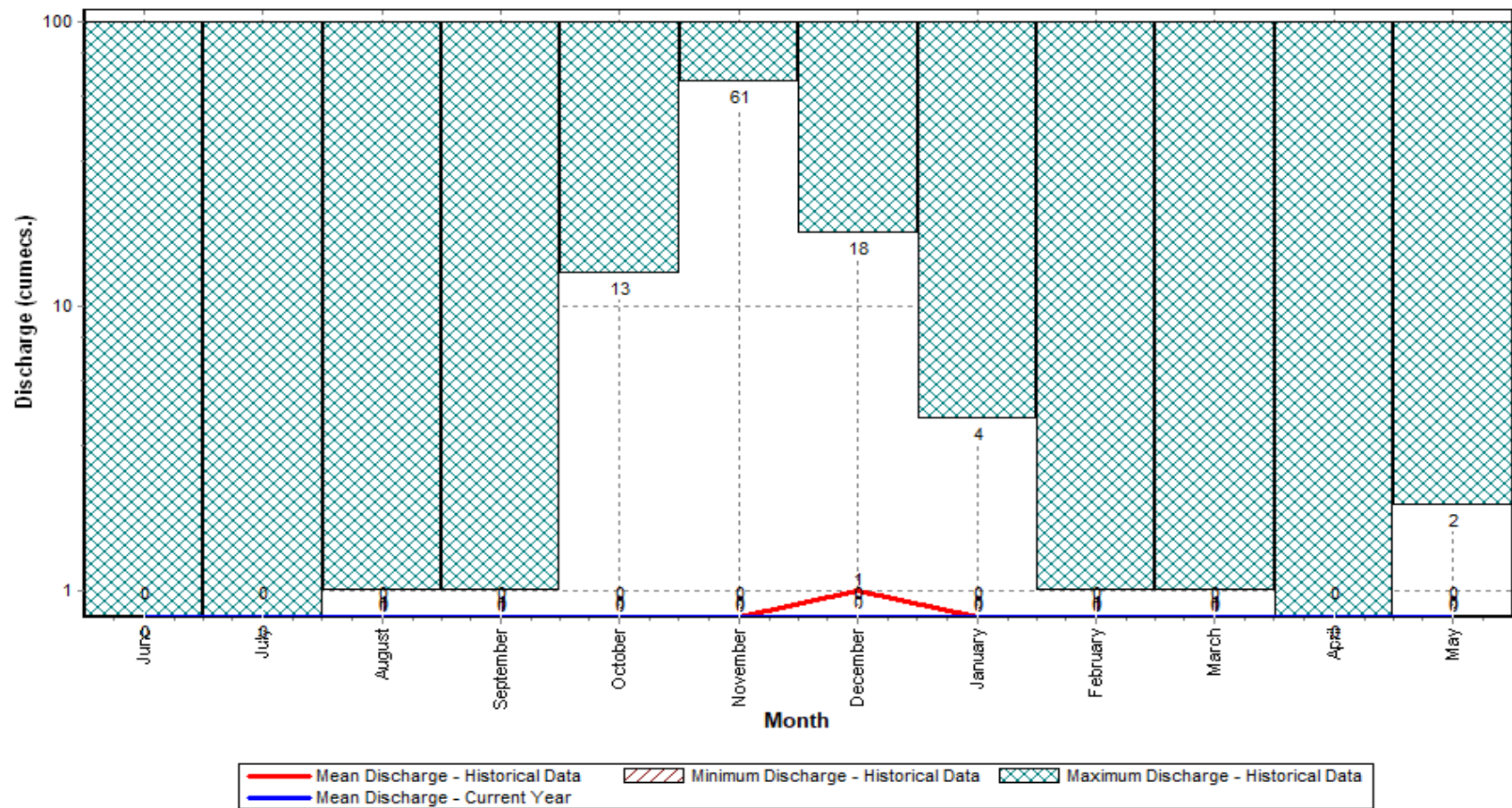
WL:Corresponding Mean Water Level(m.s.l) in m

Note:Missing values ignored while arriving at Annual Runoff

Station Name : Thoppur (CCJ00I2)
Local River : Thoppaiyar

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019 Data considered : 2000-2019

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



Annual Runoff Values for the period: 2000 - 2019

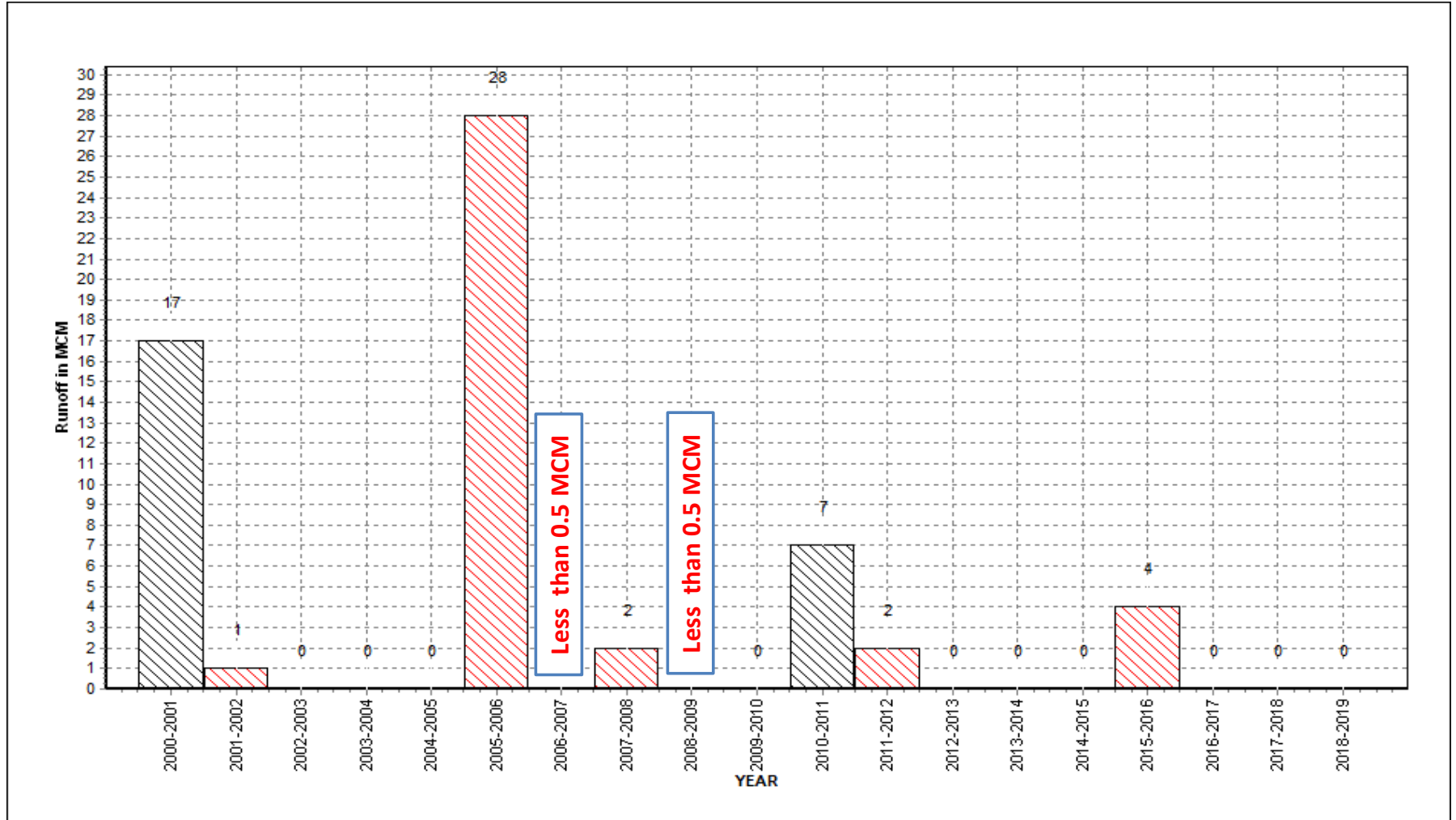
Station Name : Thoppur (CCJ0012)

Local River : Thoppaiyar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

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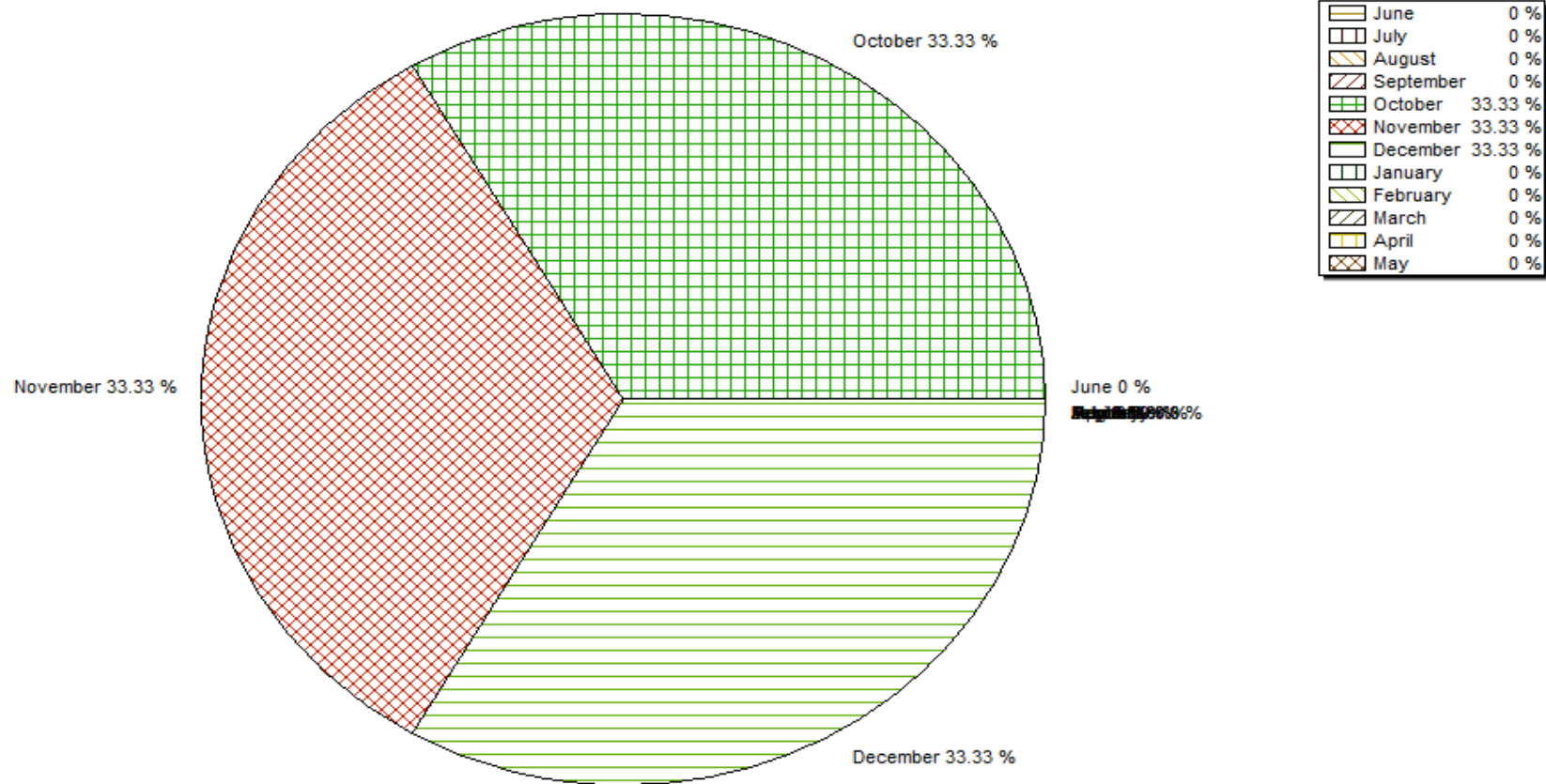


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Thoppur (CCJ00I2)
Local River : Thoppaiyar

Monthly Average Runoff based on period : 2000-2018

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



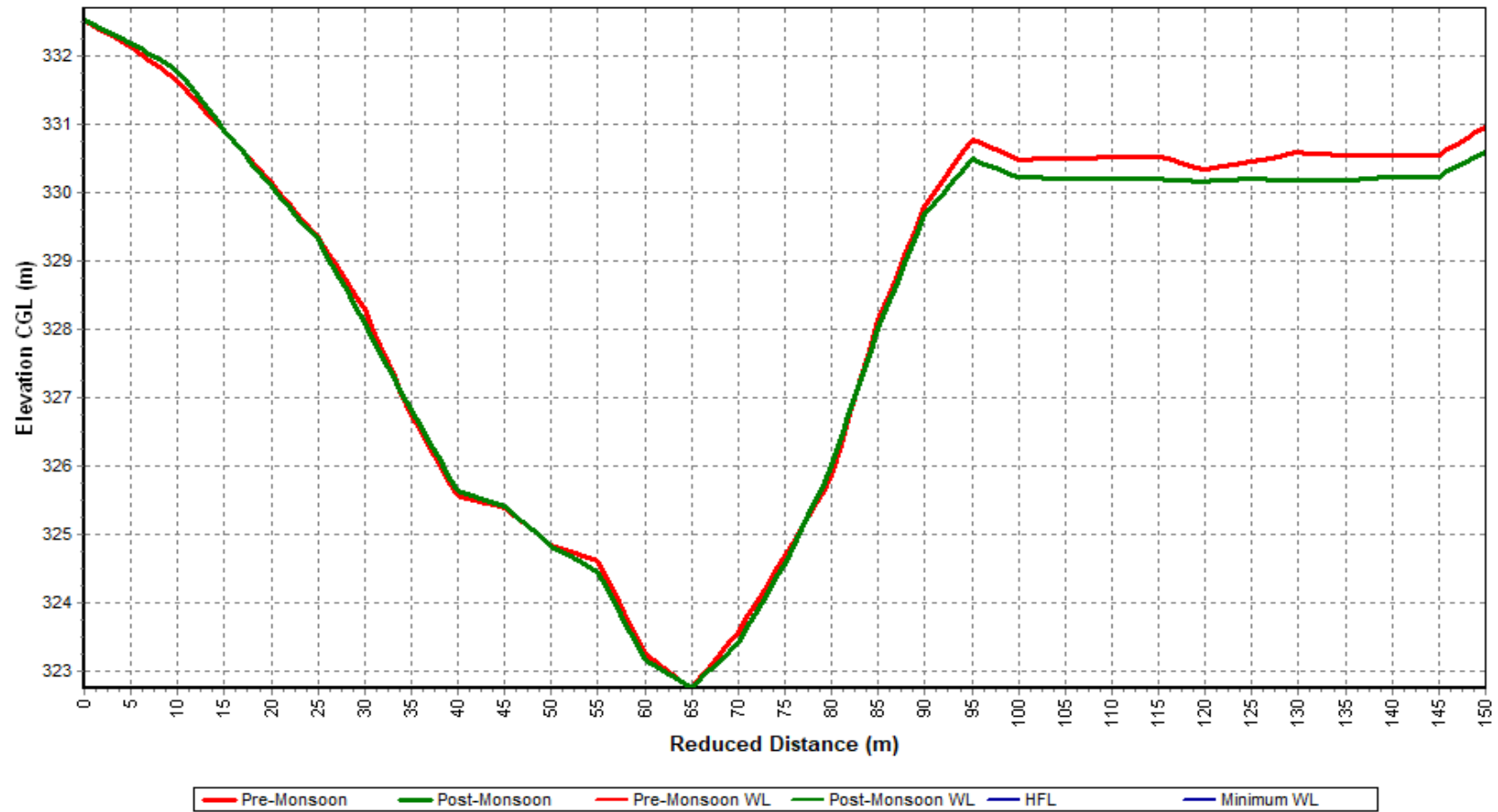
Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : Thoppur (CCJ0012)

Local River : Thoppaiyar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore



HISTORY SHEET

Water Year : 2018-2019

Site : KUDLUR

Code : CCK00L9

State : Karnataka

District : Chamaranagara

Basin : Cauvery

Independent River : Cauvery

Tributary : Palar

Sub Tributary :

Sub-Sub Tributary :

Local River : Palar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

Drainage Area : 709 Sq. Km.

Bank : Right

Latitude : 11°50'26"

Longitude : 77°27'46"

Zero of Gauge (m) : 433.000 (m.s.l)

09-01-98

Opening Date

Closing Date

Gauge : 09-01-98

Discharge : 06-03-99

Sediment : 01-03-13

Water Quality : 02-02-01

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1999-2000	62.04	436.255	05-02-00	0.000	434.975	01-06-99
2000-2001	50.56	438.555	19-04-01	0.000	435.095	01-09-00
2001-2002	9.674	435.705	16-09-01	0.000	434.595	05-06-01
2002-2003	2.585	435.585	21-03-03	0.000	434.855	01-06-02
2003-2004	1.960	434.445	20-10-03	0.000	Dry Bed	25-06-03
2004-2005	2.749	435.560	14-11-04	0.000	Dry Bed	21-06-04
2005-2006	77.64	437.140	02-11-05	0.000	Dry Bed	09-07-05
2006-2007	46.18	437.200	20-11-06	0.000	Dry Bed	13-07-06
2007-2008	4.816	435.720	11-02-08	0.000	435.200	02-06-07
2008-2009	30.52	436.700	26-08-08	0.000	435.180	09-06-08
2009-2010	14.99	436.305	21-08-09	0.000	435.200	10-06-09
2010-2011	137.7	436.760	06-11-10	0.000	435.120	09-06-10
2011-2012	23.00	436.210	07-11-11	0.000	435.255	15-02-12
2012-2013	21.56	436.070	13-10-12	0.000	435.230	01-06-12
2013-2014	16.77	435.940	07-09-13	0.000	Dry Bed	01-06-13
2014-2015	70.55	436.850	28-09-14	0.000	Dry Bed	01-06-14
2015-2016	21.29	436.000	18-08-15	0.000	435.240	24-08-15
2016-2017	4.526	435.580	02-06-16	0.000	Dry Bed	02-01-17
2017-2018	43.28	436.350	11-09-17	0.000	Dry Bed	01-06-17

Stage-Discharge Data for the period 2018 - 2019

Station Name : KUDLUR (CCK00L9)

Division : SR Division, Coimbatore

Local River : Palar

Sub-Division : Middle Cauvery SD, Coimbatore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	435.180	0.448	435.090	0.087 *	435.060	0.040	435.070	0.052	435.300	3.005	435.310	1.514
2	435.180	0.440	435.090	0.109	435.060	0.040	435.070	0.048 *	435.200	1.446 *	435.330	1.835
3	435.180	0.425 *	435.090	0.105	435.060	0.038	435.060	0.040	435.220	1.533	435.330	1.695
4	435.200	0.474	435.090	0.087 #	435.050	0.000	435.060	0.036	435.520	6.551	435.370	2.178 *
5	435.250	1.036	435.080	0.074	435.050	0.000	435.060	0.036	435.300	2.751	435.350	1.852
6	435.220	0.742	435.080	0.067	435.050	0.000	435.050	0.000	435.340	3.979	435.320	1.518 *
7	435.200	0.471	435.070	0.049 #	435.050	0.000	435.050	0.000	435.930	17.62 *	435.320	1.579
8	435.180	0.492	435.070	0.058	435.050	0.000	435.050	0.000	435.380	4.124	435.300	1.294
9	435.180	0.425 *	435.080	0.067 *	435.050	0.000	435.050	0.000	435.970	21.64	435.290	1.198
10	435.170	0.341	435.080	0.077	435.050	0.000	435.050	0.000	435.485	5.947	435.290	1.222
11	435.170	0.265	435.080	0.071	435.050	0.000	435.070	0.051	435.380	4.544	435.290	1.188 *
12	435.170	0.373 #	435.060	0.030	435.050	0.000	435.160	0.550	435.350	3.762	435.270	0.998
13	435.160	0.000	435.070	0.052	435.050	0.000	435.140	0.513 *	435.330	3.043	435.280	1.090
14	435.150	0.000	435.070	0.050	435.070	0.043	435.140	0.446	435.330	3.265 *	435.270	0.994
15	435.150	0.000	435.070	0.047	435.070	0.048 *	436.010	14.64 #	435.640	7.341	435.260	0.843
16	435.150	0.000	435.070	0.049 *	435.080	0.060	435.580	6.043 *	435.470	5.880	435.270	0.884
17	435.150	0.000	435.070	0.038	435.080	0.062	435.430	3.844	435.720	13.52	435.270	1.001
18	435.150	0.000	435.070	0.037	435.080	0.060	435.220	1.203	435.600	7.253 *	435.270	0.995 *
19	435.150	0.000	435.080	0.056	435.080	0.063 *	435.170	0.752	435.580	6.666 *	435.290	1.099
20	435.150	0.000	435.080	0.043	435.080	0.069	435.140	0.510	435.580	6.679	435.290	1.091
21	435.150	0.000	435.080	0.043	435.080	0.062	435.120	0.377 *	435.500	4.608 *	435.290	1.188 *
22	435.070	0.054	435.070	0.033	435.080	0.063 *	435.100	0.279	435.520	5.004	435.280	1.067
23	435.070	0.049 *	435.080	0.043 *	435.060	0.036	435.120	0.377 *	435.470	3.693	435.290	1.188 *
24	435.060	0.035 #	435.080	0.044	435.060	0.035	435.180	0.839	435.440	2.939	435.290	1.146
25	435.070	0.057	435.080	0.061	435.060	0.028	435.200	0.974	435.440	2.862	435.280	1.089 *
26	435.070	0.044	435.070	0.050	435.060	0.035 *	435.160	0.675	435.430	2.744	435.280	1.054
27	435.070	0.053	435.070	0.045	435.050	0.024 *	435.600	7.792	435.360	2.306	435.260	0.974
28	435.070	0.050	435.070	0.049 *	435.050	0.024 *	435.590	7.340	435.360	2.035 *	435.240	0.838
29	435.070	0.049 #	435.070	0.049 #	435.050	0.024 *	437.480	49.39	435.340	1.940	435.210	0.532 #
30	435.090	0.087 *	435.060	0.042	435.070	0.040	435.380	4.108 *	435.340	1.767	435.210	0.532 #
31			435.060	0.040 *	435.090	0.086			435.330	1.787		
Ten-Daily Mean												
I Ten-Daily	435.194	0.529	435.082	0.078	435.053	0.012	435.057	0.021	435.465	6.860	435.321	1.589
II Ten-Daily	435.155	0.064	435.072	0.047	435.069	0.041	435.306	2.855	435.498	6.195	435.276	1.018
III Ten-Daily	435.079	0.048	435.072	0.045	435.065	0.042	435.493	7.215	435.412	2.880	435.263	0.961
Monthly												
Min.	435.060	0.000	435.060	0.030	435.050	0.000	435.050	0.000	435.200	1.446	435.210	0.532
Max.	435.250	1.036	435.090	0.109	435.090	0.086	437.480	49.39	435.970	21.64	435.370	2.178
Mean	435.143	0.214	435.075	0.057	435.062	0.032	435.285	3.364	435.457	5.233	435.287	1.189

Annual Runoff in MCM = 29 Annual Runoff in mm = 41

Peak Observed Discharge = 49.39 cumecs on 29-09-2018 Corres. Water Level :437.48 m

Lowest Observed Discharge = 0.000 cumecs on 13-06-2018 Corres. Water Level :435.16 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : KUDLUR (CCK00L9)

Division : SR Division, Coimbatore

Local River : Palar

Sub-Division : Middle Cauvery SD, Coimbatore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	435.200	0.768	435.030	0.214	435.010	0.094	434.980	0.000		0.000	435.010	0.000
2	435.200	0.775 *	435.030	0.229	435.010	0.099	434.980	0.000		0.000	435.010	0.000
3	435.190	0.675	435.030	0.212	435.010	0.110 *	434.980	0.000		0.000	435.010	0.000
4	435.190	0.673	435.030	0.229	435.010	0.103	434.980	0.000		0.000	435.010	0.000
5	435.200	0.815	435.030	0.249	434.980	0.000	434.980	0.000		0.000	435.010	0.000
6	435.190	0.720	435.030	0.198 *	434.980	0.000	434.980	0.000		0.000	435.010	0.000
7	435.190	0.721	435.030	0.239	435.000	0.000	434.980	0.000		0.000	435.010	0.000
8	435.190	0.705	435.030	0.202	435.000	0.000	434.980	0.000		0.000	435.010	0.000
9	435.180	0.624 *	435.030	0.176	434.990	0.000	434.980	0.000		0.000	435.010	0.000
10	435.160	0.512	435.030	0.186	434.990	0.000	434.980	0.000		0.000	435.010	0.000
11	435.160	0.500	435.020	0.152 #	435.000	0.000	434.980	0.000		0.000	435.010	0.000
12	435.150	0.422	435.020	0.155	435.000	0.000	434.980	0.000		0.000	435.010	0.000
13	435.150	0.431	435.020	0.152 *	434.980	0.000	434.980	0.000		0.000	435.010	0.000
14	435.160	0.458	435.020	0.181	434.980	0.000	434.980	0.000		0.000	435.010	0.000
15	435.160	0.440	435.020	0.152 *	434.980	0.000	434.980	0.000		0.000	435.010	0.000
16	435.150	0.429 *	435.020	0.167	435.000	0.000	434.980	0.000		0.000	435.080	0.000
17	435.140	0.389	435.020	0.139	435.000	0.000	434.980	0.000		0.000	435.050	0.000
18	435.140	0.381	435.020	0.138	434.980	0.000	434.980	0.000		0.000	435.050	0.000
19	435.130	0.328	435.020	0.151	434.980	0.000	434.980	0.000		0.000	435.040	0.000
20	435.140	0.381	435.020	0.152 *	434.980	0.000	434.980	0.000		0.000	435.040	0.000
21	435.140	0.358	435.020	0.150	434.980	0.000	434.980	0.000	435.250	2.086 *	435.040	0.000
22	435.050	0.000 #	435.020	0.138	434.980	0.000	434.980	0.000	435.085	0.400	435.040	0.000
23	435.050	0.304 *	435.000	0.063	434.980	0.000	434.980	0.000	435.080	0.368	435.040	0.000
24	435.050	0.323	435.020	0.138	434.980	0.000	434.980	0.000	435.075	0.458 #	435.040	0.000
25	435.050	0.304 *	435.020	0.124	434.980	0.000	434.980	0.000	435.080	0.492 #	435.040	0.000
26	435.040	0.294	435.020	0.152 *	434.980	0.000	434.980	0.000	435.080	0.492 #	435.040	0.000
27	435.040	0.262	435.020	0.152 *	434.980	0.000		0.000	435.060	0.363 #	435.040	0.000
28	435.040	0.281	434.980	0.000	434.980	0.000		0.000	435.020	0.152 *	435.040	0.000
29	435.040	0.247	435.020	0.172				0.000	435.010	0.000	435.040	0.000
30	435.030	0.198 *	435.020	0.142				0.000	435.010	0.000	435.040	0.000
31	435.030	0.255	435.020	0.148				0.000			435.040	0.249 *
Ten-Daily Mean												
I Ten-Daily	435.189	0.699	435.030	0.213	434.998	0.041	434.980	0.000		0.000	435.010	0.000
II Ten-Daily	435.148	0.416	435.020	0.154	434.988	0.000	434.980	0.000		0.000	435.031	0.000
III Ten-Daily	435.051	0.257	435.015	0.125	434.980	0.000	434.980	0.000	435.075	0.481	435.040	0.023
Monthly												
Min.	435.030	0.000	434.980	0.000	434.980	0.000	434.980	0.000	435.010	0.000	435.010	0.000
Max.	435.200	0.815	435.030	0.249	435.010	0.110	434.980	0.000	435.250	2.086	435.080	0.249
Mean	435.127	0.451	435.021	0.163	434.989	0.015	434.980	0	435.075	0.16	435.027	0.008

Peak Computed Discharge = 17.62 cumecs on 07-10-2018

Corres. Water Level :435.93 m

Lowest Computed Discharge = 0.024 cumecs on 27-08-2018

Corres. Water Level :435.05 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

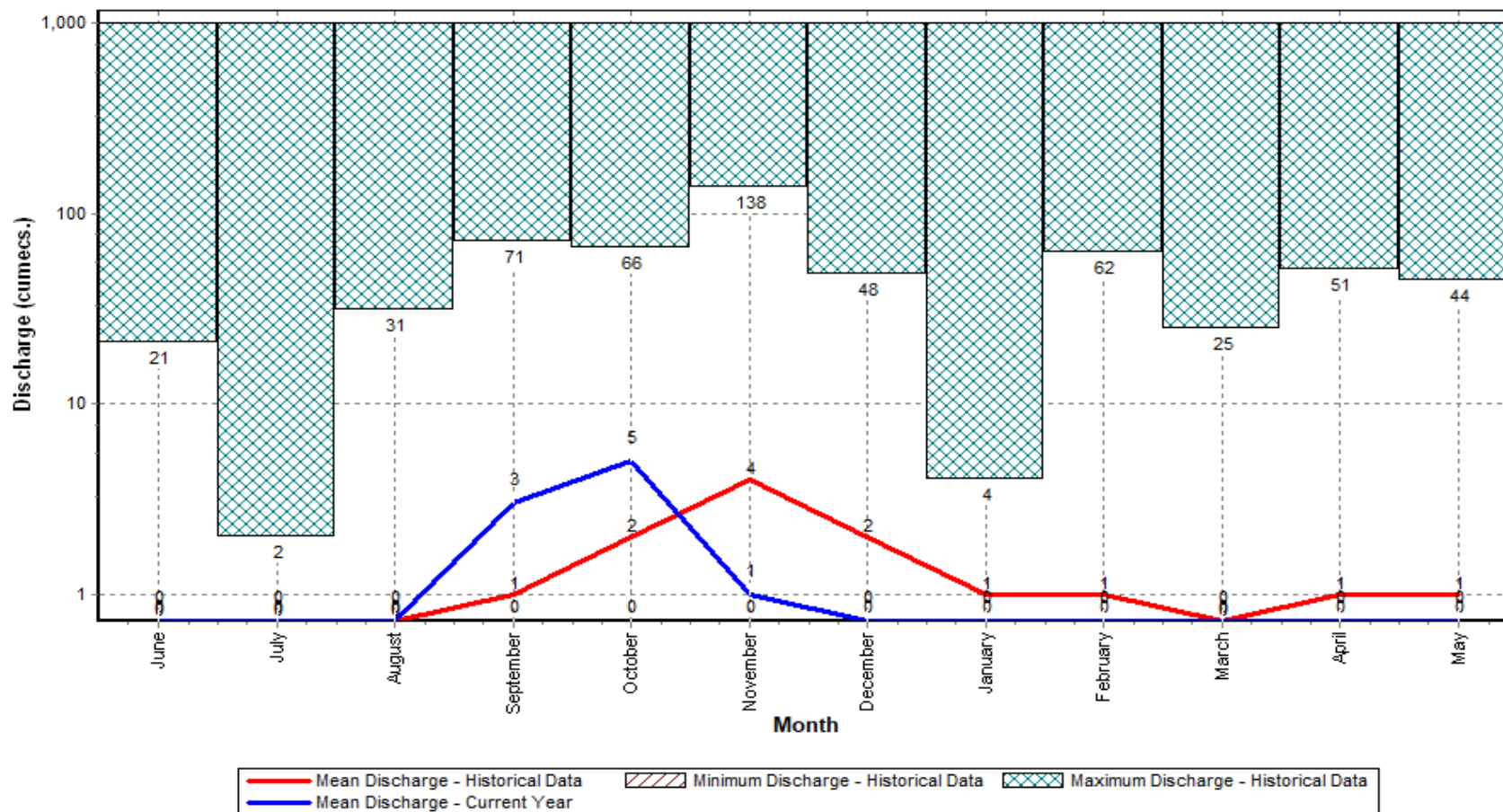
Station Name : KUDLUR (CCK00L9)

Data considered : 1999-2019

Division : SR Division, Coimbatore

Local River : Palar

Sub-Division : Middle Cauvery SD, Coimbatore



Annual Runoff Values for the period: 1999 - 2019

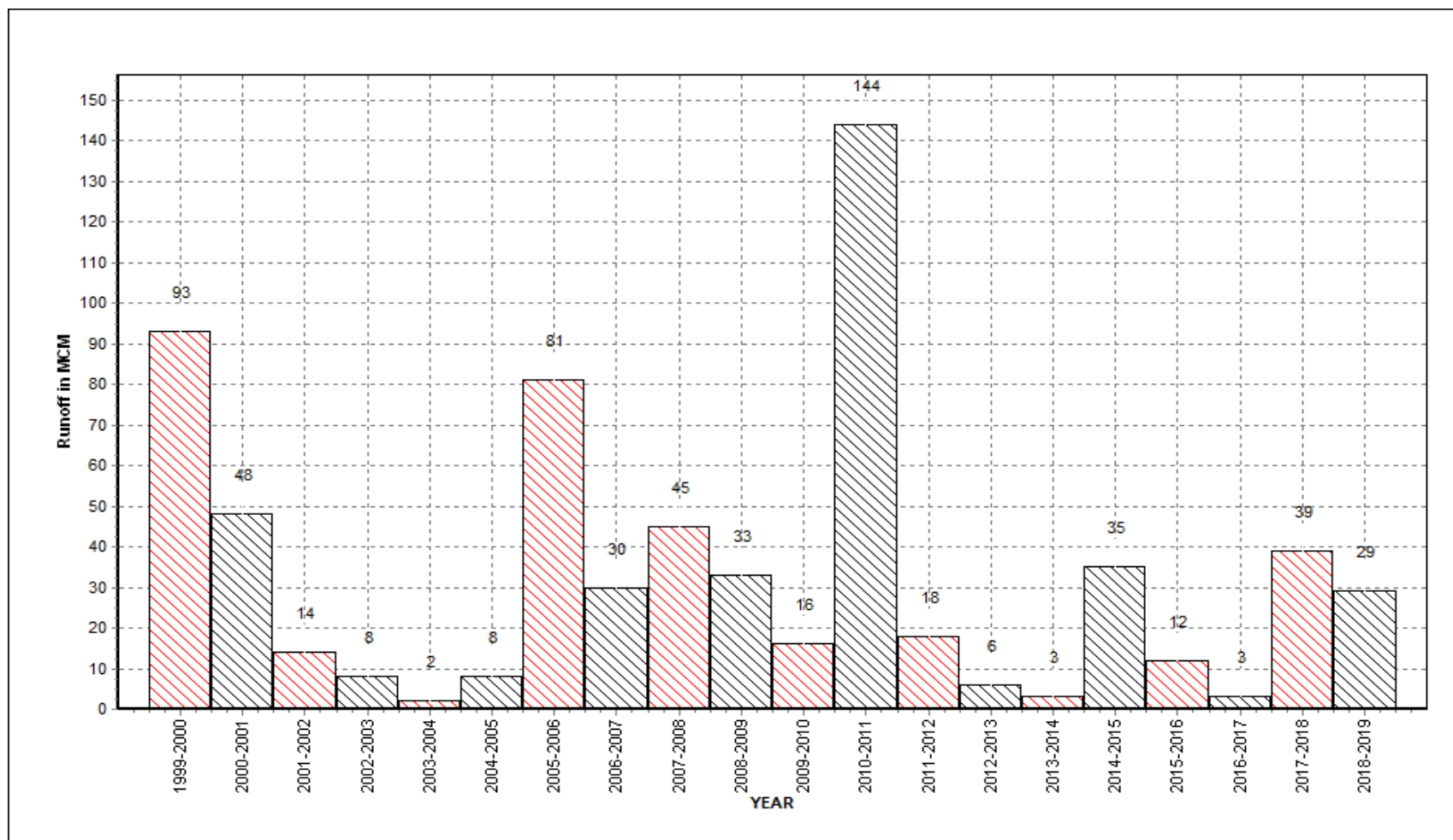
Station Name : KUDLUR (CCK00L9)

Local River : Palar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

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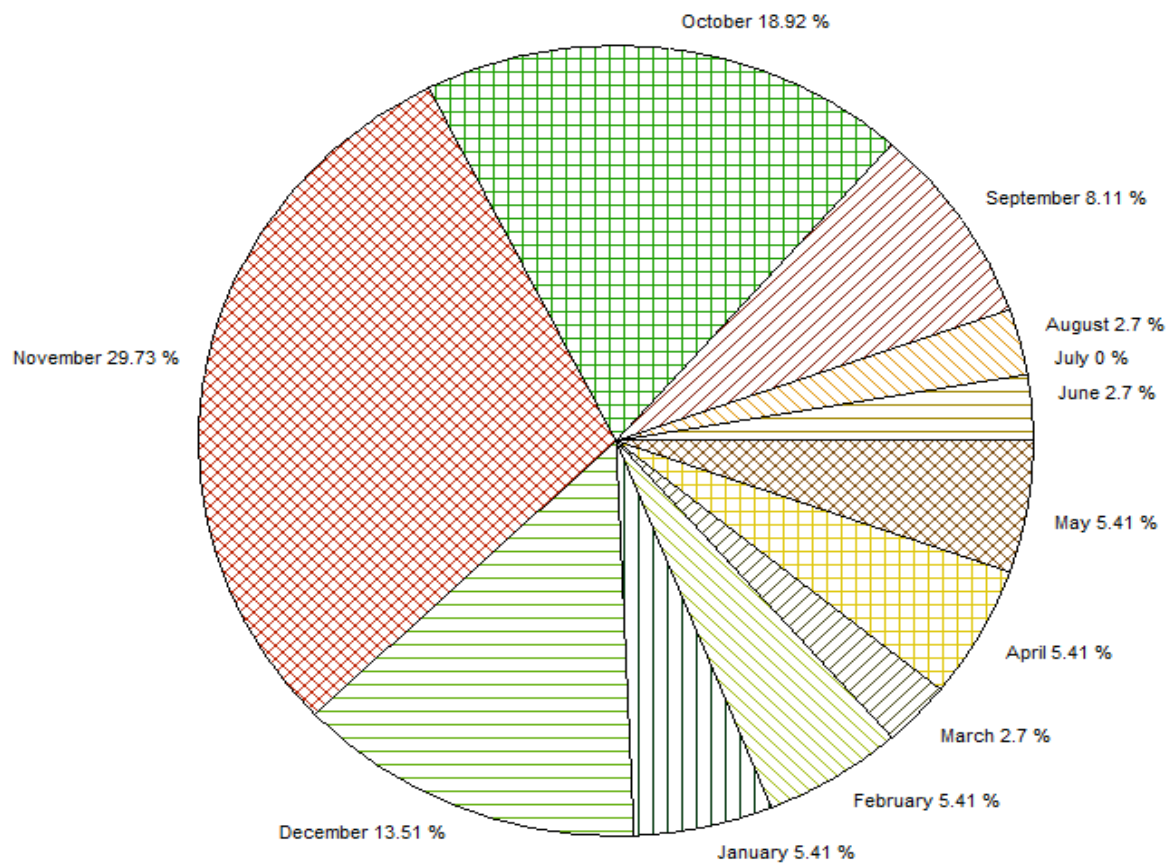
Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : KUDLUR (CCK00L9)
Local River : Palar

Monthly Average Runoff based on period : 1999-2018

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore

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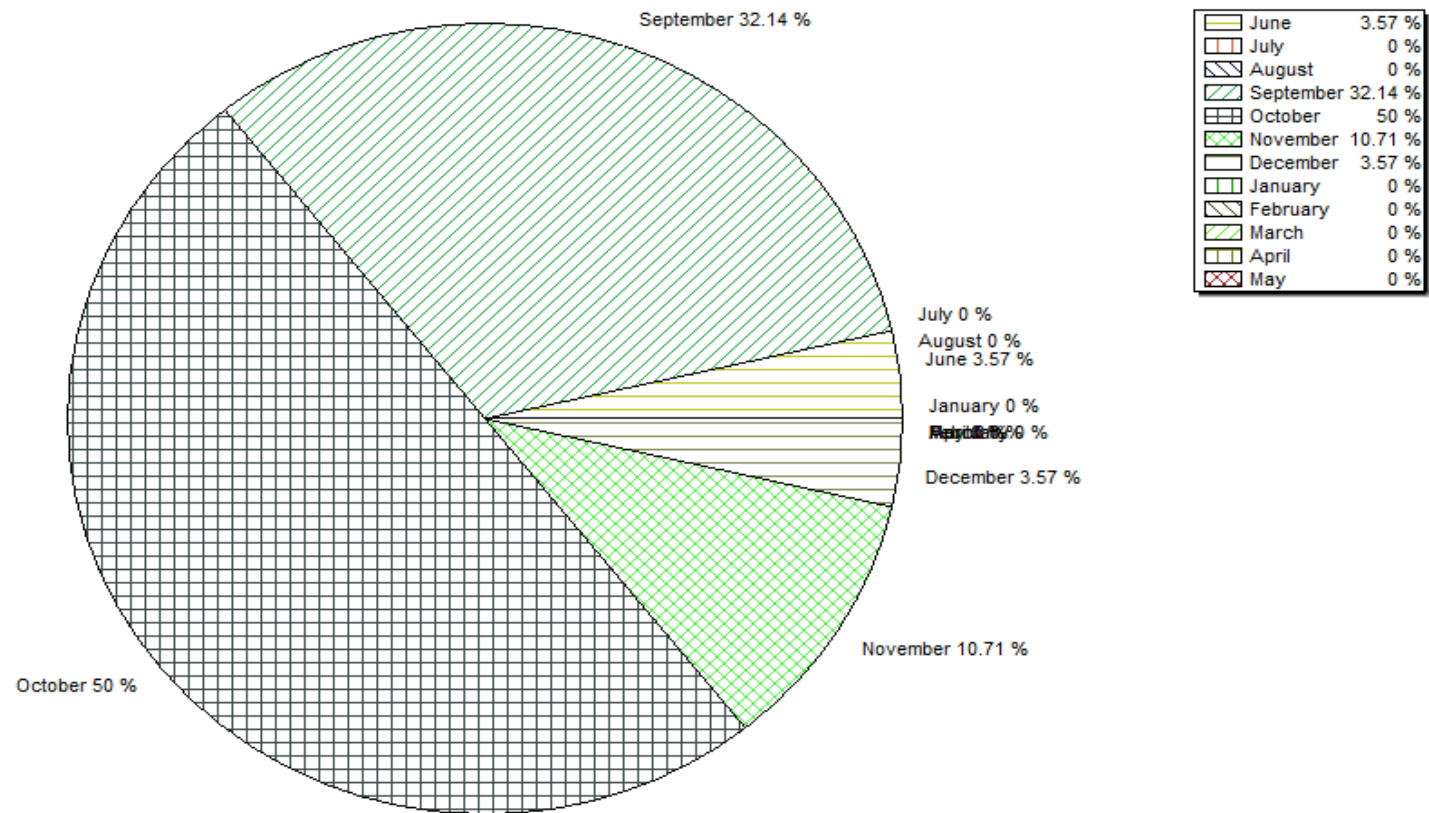


June	2.7 %
July	0 %
August	2.7 %
September	8.11 %
October	18.92 %
November	29.73 %
December	13.51 %
January	5.41 %
February	5.41 %
March	2.7 %
April	5.41 %
May	5.41 %

Station Name : KUDLUR (CCK00L9)
Local River : Palar

Monthly Runoff for the Year : 2018-2019

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore

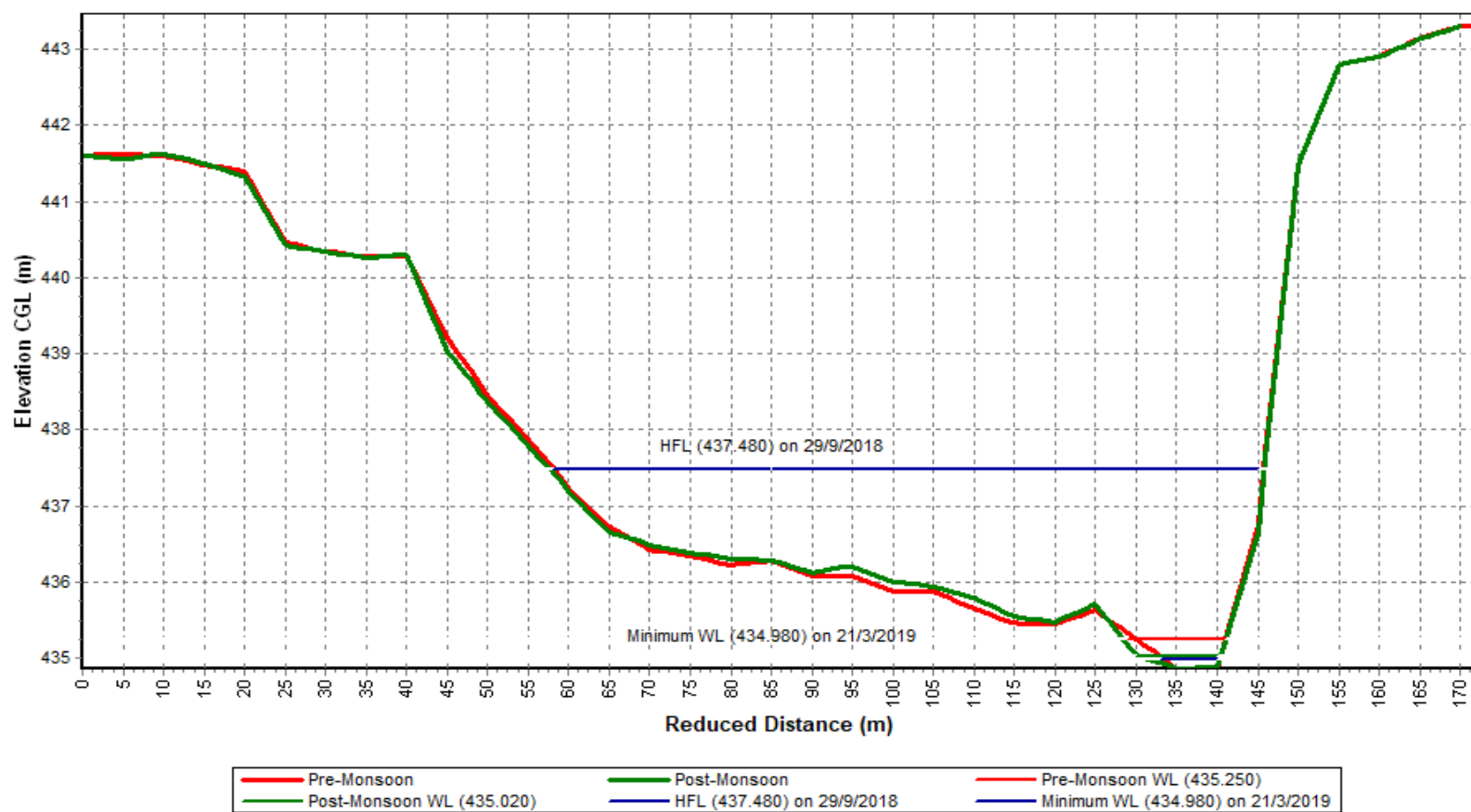


Station Name : KUDLUR (CCK00L9)
Local River : Palar

Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore

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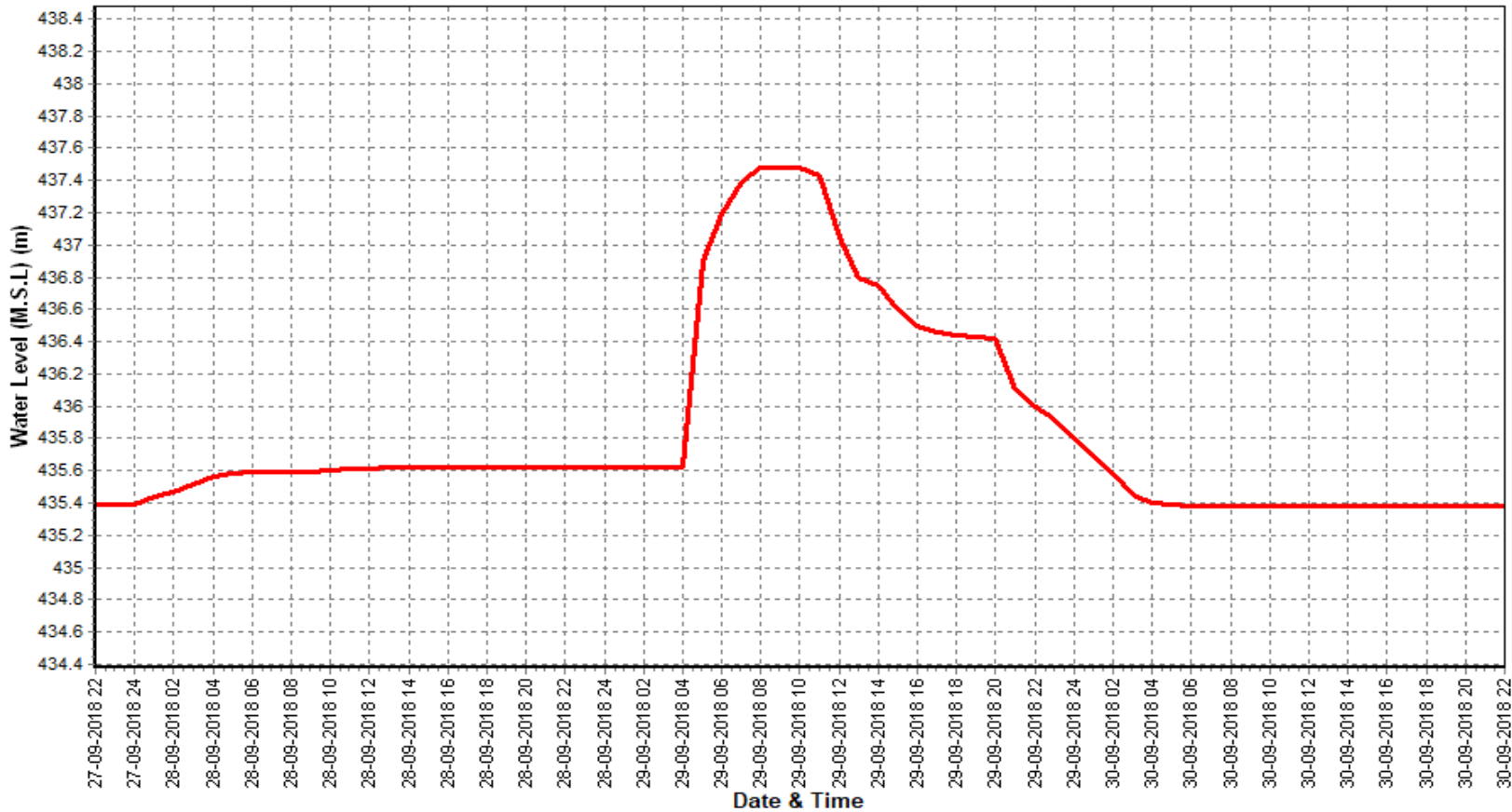


Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : KUDLUR (CCK00L9)
Local River : Palar

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore

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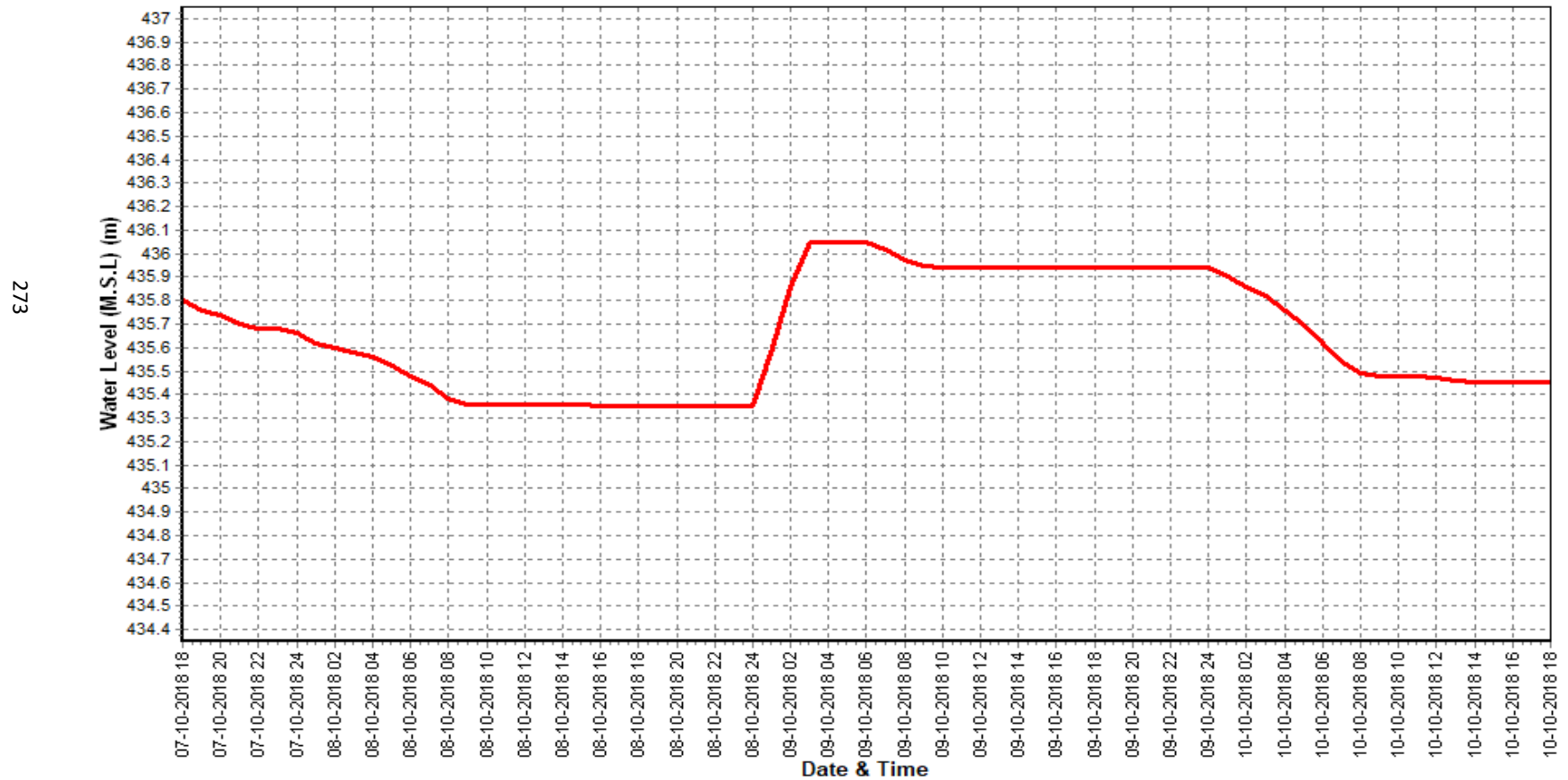
Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : KUDLUR (CCK00L9)

Local River : Palar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore



Time Span: 72 Hrs

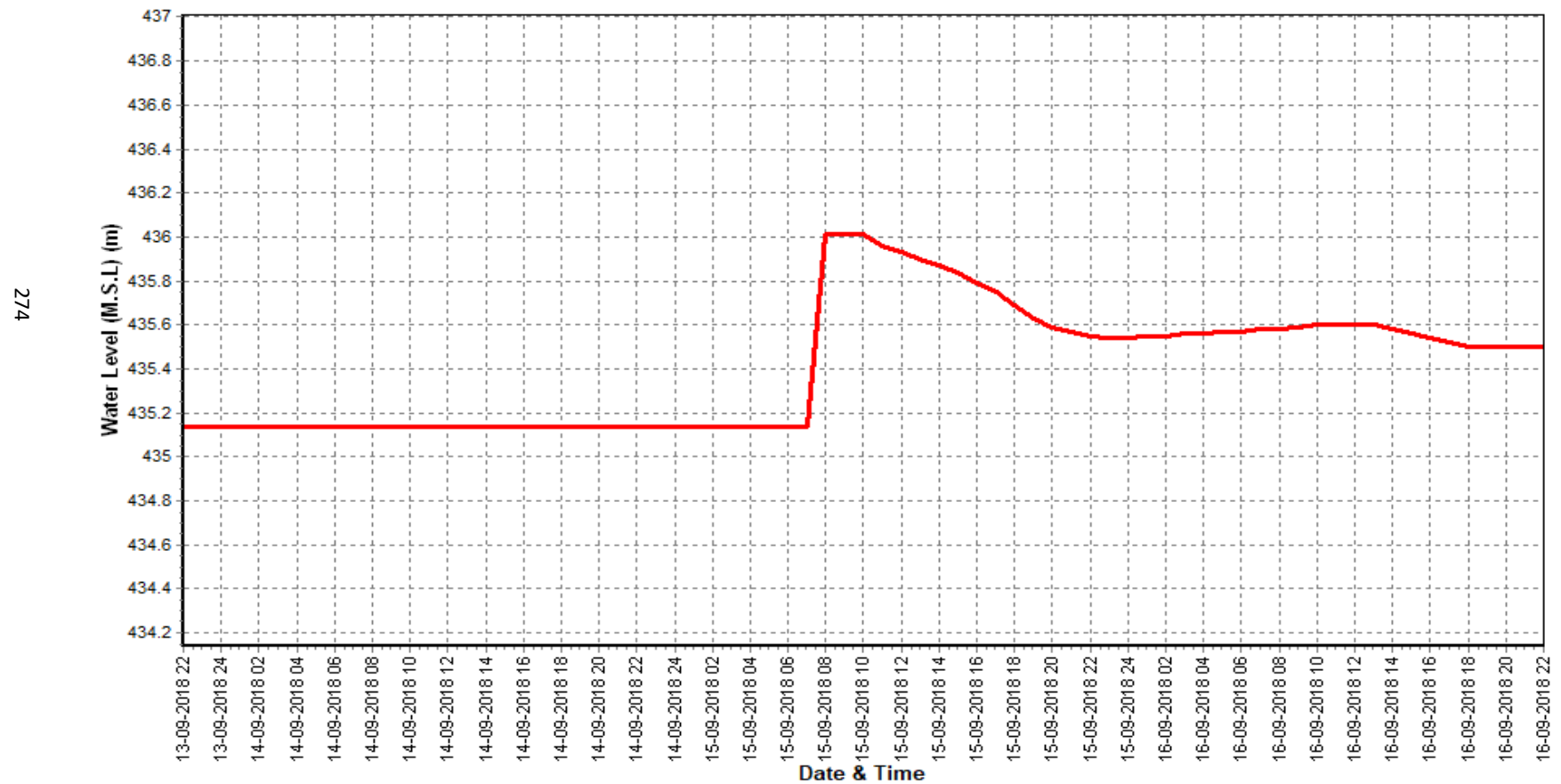
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : KUDLUR (CCK00L9)

Local River : Palar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore



Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2018-2019

Site : Hogenakkal

Code : CCS00A9

State : Tamil Nadu

District : Dharmapuri

Basin : Cauvery

Independent River : Cauvery

Tributary : Chinnar

Sub Tributary :

Sub-Sub Tributary :

Local River : Chinnar

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

Drainage Area : 1636 Sq. Km.

Bank : Left

Latitude : 12°07'16"

Longitude : 77°46'55"

Zero of Gauge (m) : 252.000(m.s.l.)
Opening Date05-10-1996
Closing Date

Gauge : 05-10-1996

Discharge : 05-10-1996

Sediment :

Water Quality : 01-11-2004

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1997-1998	65.97	254.530	27-11-1997	0.000	Dry Bed	17-05-1998
1998-1999	24.53	253.670	21-08-1998	0.000	Dry Bed	05-04-1999
1999-2000	112.2	255.850	29-10-1999	0.000	252.470	30-04-2000
2000-2001	122.6	255.075	06-10-2000	0.000	Dry Bed	24-07-2000
2001-2002	21.89	253.260	28-10-2001	0.000	Dry Bed	03-05-2002
2002-2003	31.95	253.650	28-10-2002	0.000	Dry Bed	16-07-2002
2003-2004	61.52	253.600	28-05-2004	0.000	Dry Bed	22-01-2004
2004-2005	71.47	255.000	17-10-2004	0.000	Dry Bed	06-04-2005
2005-2006	251.4	256.350	24-10-2005	0.000	Dry Bed	27-07-2005
2006-2007	2.599	252.595	21-11-2006	0.000	Dry Bed	31-05-2007
2007-2008	7.804	252.550	25-08-2007	0.000	Dry Bed	24-01-2008
2008-2009	14.03	253.570	28-08-2008	0.000	Dry Bed	22-04-2009
2009-2010	0.743	252.430	14-04-2010	0.000	Dry Bed	16-05-2010
2010-2011	19.04	252.950	08-11-2010	0.000	Dry Bed	20-10-2010
2011-2012	3.348	252.510	04-11-2011	0.000	Dry Bed	07-05-2012
2012-2013	2.576	252.520	15-10-2012	0.000	Dry Bed	31-10-2012
2013-2014	24.24	253.100	09-10-2013	0.000	Dry Bed	06-08-2013
2014-2015	120.3	254.250	27-10-2014	0.000	Dry Bed	11-03-2015
2015-2016	40.14	253.400	10-11-2015	0.000	Dry Bed	21-08-2015
2016-2017	0.000	Dry Bed	01-06-2016	0.000	Dry Bed	01-06-2016
2017-2018	56.79	254.100	11-10-2017	0.000	Dry Bed	01-06-2017

Q : Observed / Computed Discharge

WL : Corresponding Water Level(m.s.l)

Stage-Discharge Data for the period 2018 - 2019

Station Name : Hogenakkal (CCS00A9)

Division : Cauvery Division, Bangalore

Local River : Chinnar

Sub-Division : Upper Cauvery SD, Bangalore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1		0.000		0.000		0.000		0.000		0.000		0.000
2		0.000		0.000		0.000		0.000		0.000		0.000
3		0.000		0.000		0.000		0.000		0.000		0.000
4		0.000		0.000		0.000		0.000		0.000		0.000
5		0.000		0.000		0.000		0.000		0.000		0.000
6		0.000		0.000		0.000		0.000		0.000		0.000
7		0.000		0.000		0.000		0.000		0.000		0.000
8		0.000		0.000		0.000		0.000		0.000		0.000
9		0.000		0.000		0.000		0.000		0.000		0.000
10		0.000		0.000		0.000		0.000		0.000		0.000
11		0.000		0.000		0.000		0.000		0.000		0.000
12		0.000		0.000		0.000		0.000		0.000		0.000
13		0.000		0.000		0.000		0.000		0.000		0.000
14		0.000		0.000		0.000		0.000		0.000		0.000
15		0.000		0.000		0.000		0.000		0.000		0.000
16		0.000		0.000		0.000		0.000		0.000		0.000
17		0.000		0.000		0.000		0.000		0.000		0.000
18		0.000		0.000		0.000		0.000		0.000		0.000
19		0.000		0.000		0.000		0.000		0.000		0.000
20		0.000		0.000		0.000		0.000		0.000		0.000
21		0.000		0.000		0.000		0.000		0.000		0.000
22		0.000		0.000		0.000		0.000		0.000		0.000
23		0.000		0.000		0.000		0.000		0.000		0.000
24		0.000		0.000		0.000		0.000		0.000		0.000
25		0.000		0.000		0.000		0.000		0.000		0.000
26		0.000		0.000		0.000		0.000		0.000		0.000
27		0.000		0.000		0.000		0.000		0.000		0.000
28		0.000		0.000		0.000		0.000		0.000		0.000
29		0.000		0.000		0.000		0.000		0.000		0.000
30		0.000		0.000		0.000		0.000		0.000		0.000
31				0.000		0.000				0.000		
<u>Ten-Daily Mean</u>												
I Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
II Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
III Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
<u>Monthly</u>												
Min.		0.000		0.000		0.000		0.000		0.000		0.000
Max.		0.000		0.000		0.000		0.000		0.000		0.000
Mean		0		0		0		0		0		0

Annual Runoff in MCM = 0 Annual Runoff in mm = 0

Peak Observed Discharge = 0.000 cumecs on 01-06-2018

Lowest Observed Discharge = 0.000 cumecs on 01-06-2018

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Hogenakkal (CCS00A9)

Division : Cauvery Division, Bangalore

Local River : Chinnar

Sub-Division : Upper Cauvery SD, Bangalore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1		0.000		0.000		0.000		0.000		0.000		0.000
2		0.000		0.000		0.000		0.000		0.000		0.000
3		0.000		0.000		0.000		0.000		0.000		0.000
4		0.000		0.000		0.000		0.000		0.000		0.000
5		0.000		0.000		0.000		0.000		0.000		0.000
6		0.000		0.000		0.000		0.000		0.000		0.000
7		0.000		0.000		0.000		0.000		0.000		0.000
8		0.000		0.000		0.000		0.000		0.000		0.000
9		0.000		0.000		0.000		0.000		0.000		0.000
10		0.000		0.000		0.000		0.000		0.000		0.000
11		0.000		0.000		0.000		0.000		0.000		0.000
12		0.000		0.000		0.000		0.000		0.000		0.000
13		0.000		0.000		0.000		0.000		0.000		0.000
14		0.000		0.000		0.000		0.000		0.000		0.000
15		0.000		0.000		0.000		0.000		0.000		0.000
16		0.000		0.000		0.000		0.000		0.000		0.000
17		0.000		0.000		0.000		0.000		0.000		0.000
18		0.000		0.000		0.000		0.000		0.000		0.000
19		0.000		0.000		0.000		0.000		0.000		0.000
20		0.000		0.000		0.000		0.000		0.000		0.000
21		0.000		0.000		0.000		0.000		0.000		0.000
22		0.000		0.000		0.000		0.000		0.000		0.000
23		0.000		0.000		0.000		0.000		0.000		0.000
24		0.000		0.000		0.000		0.000		0.000		0.000
25		0.000		0.000		0.000		0.000		0.000		0.000
26		0.000		0.000		0.000		0.000		0.000		0.000
27		0.000		0.000		0.000		0.000		0.000		0.000
28		0.000		0.000		0.000		0.000		0.000		0.000
29		0.000		0.000				0.000		0.000		0.000
30		0.000		0.000				0.000		0.000		0.000
31		0.000		0.000				0.000				0.000
<u>Ten-Daily Mean</u>												
I Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
II Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
III Ten-Daily		0.000		0.000		0.000		0.000		0.000		0.000
<u>Monthly</u>												
Min.		0.000		0.000		0.000		0.000		0.000		0.000
Max.		0.000		0.000		0.000		0.000		0.000		0.000
Mean		0		0		0		0		0		0

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

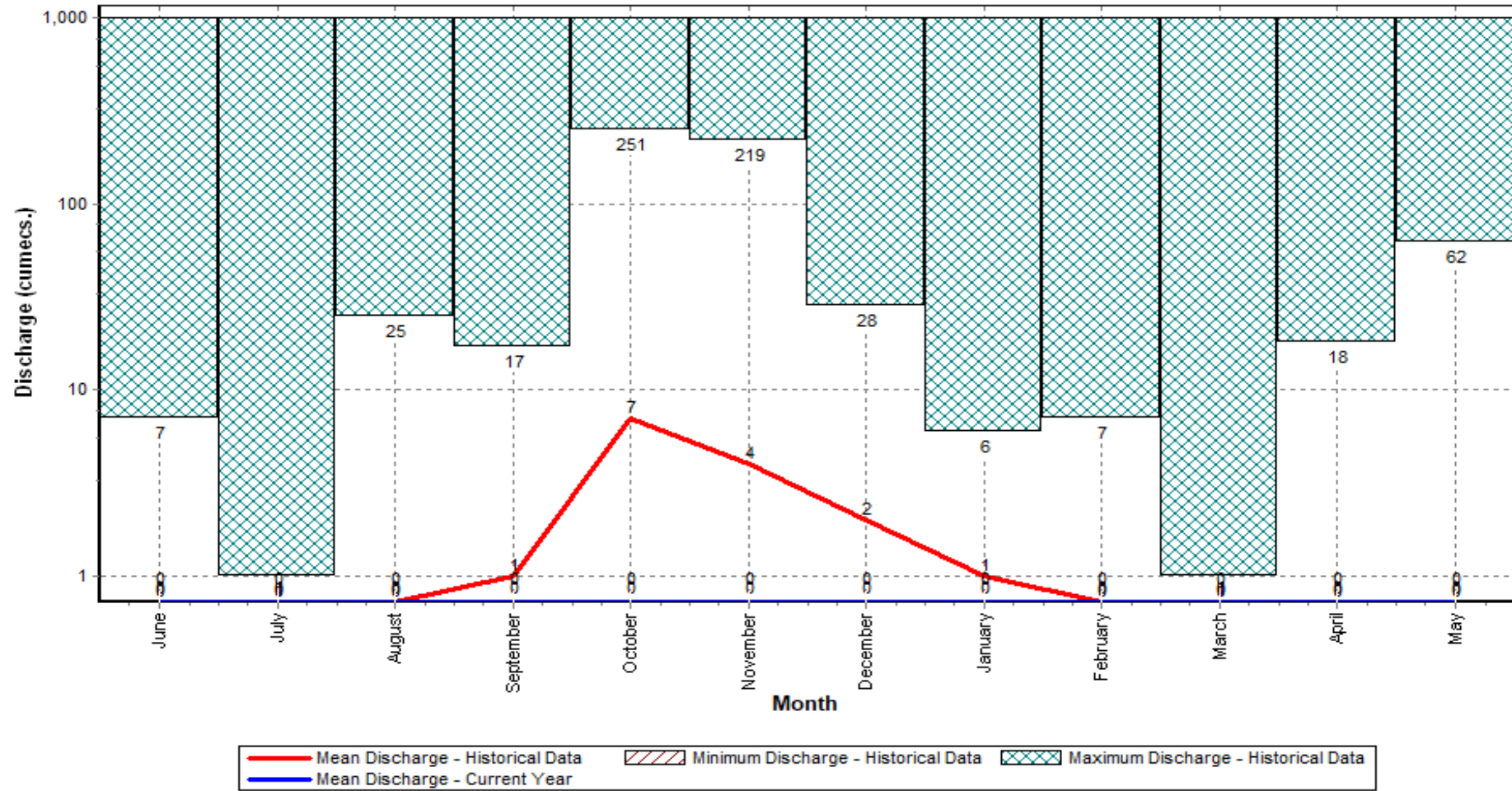
Station Name : Hogenakkal (CCS00A9)

Data considered : 1997-2019

Division : Cauvery Division, Bangalore

Local River : Chinnar

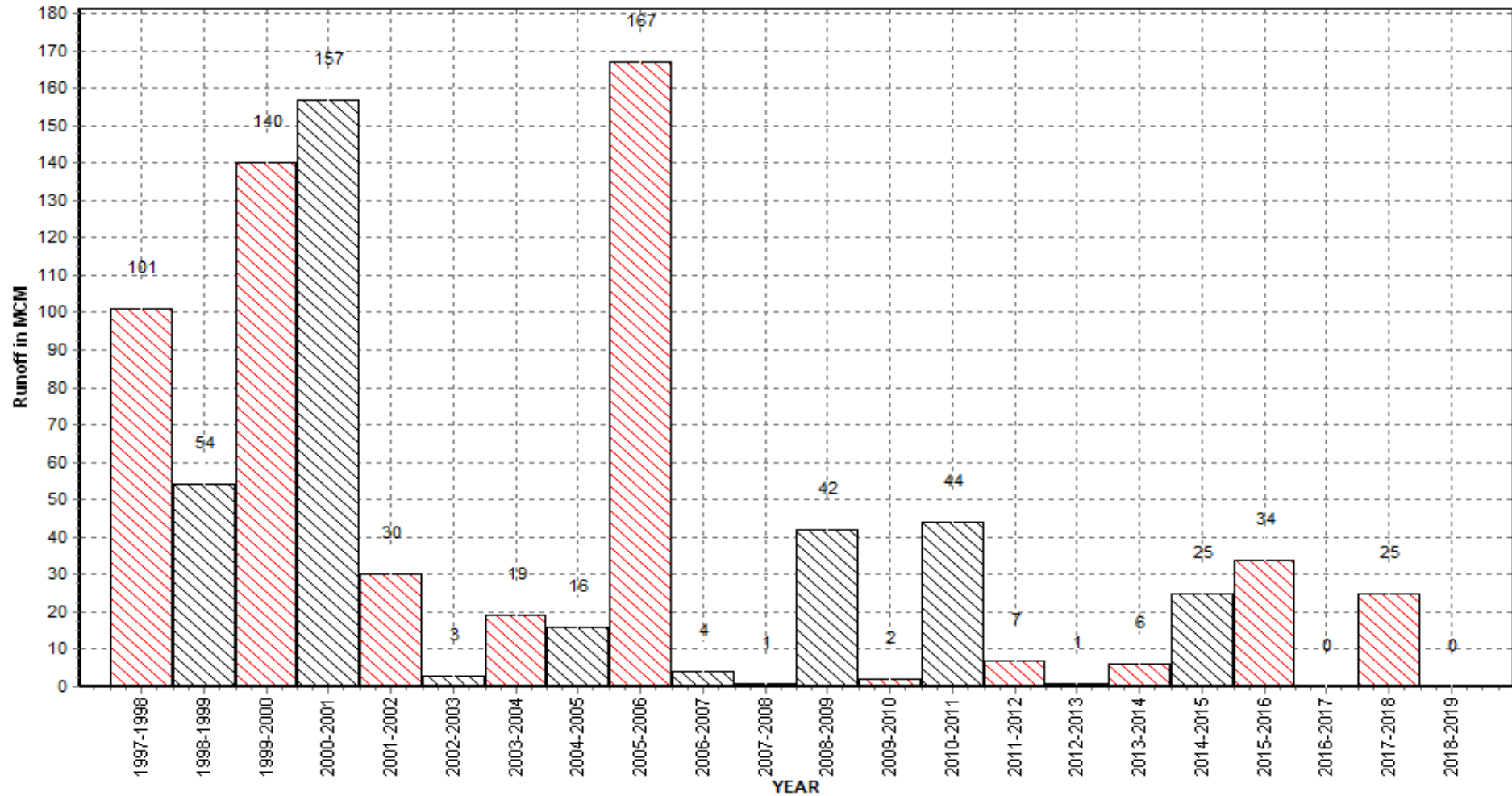
Sub-Division : Upper Cauvery SD, Bangalore



Annual Runoff Values for the period: 1997 - 2019

Station Name : Hogenakkal (CCS00A9)
Local River : Chinnar

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Note: Missing values have not been considered while arriving at Annual Runoff

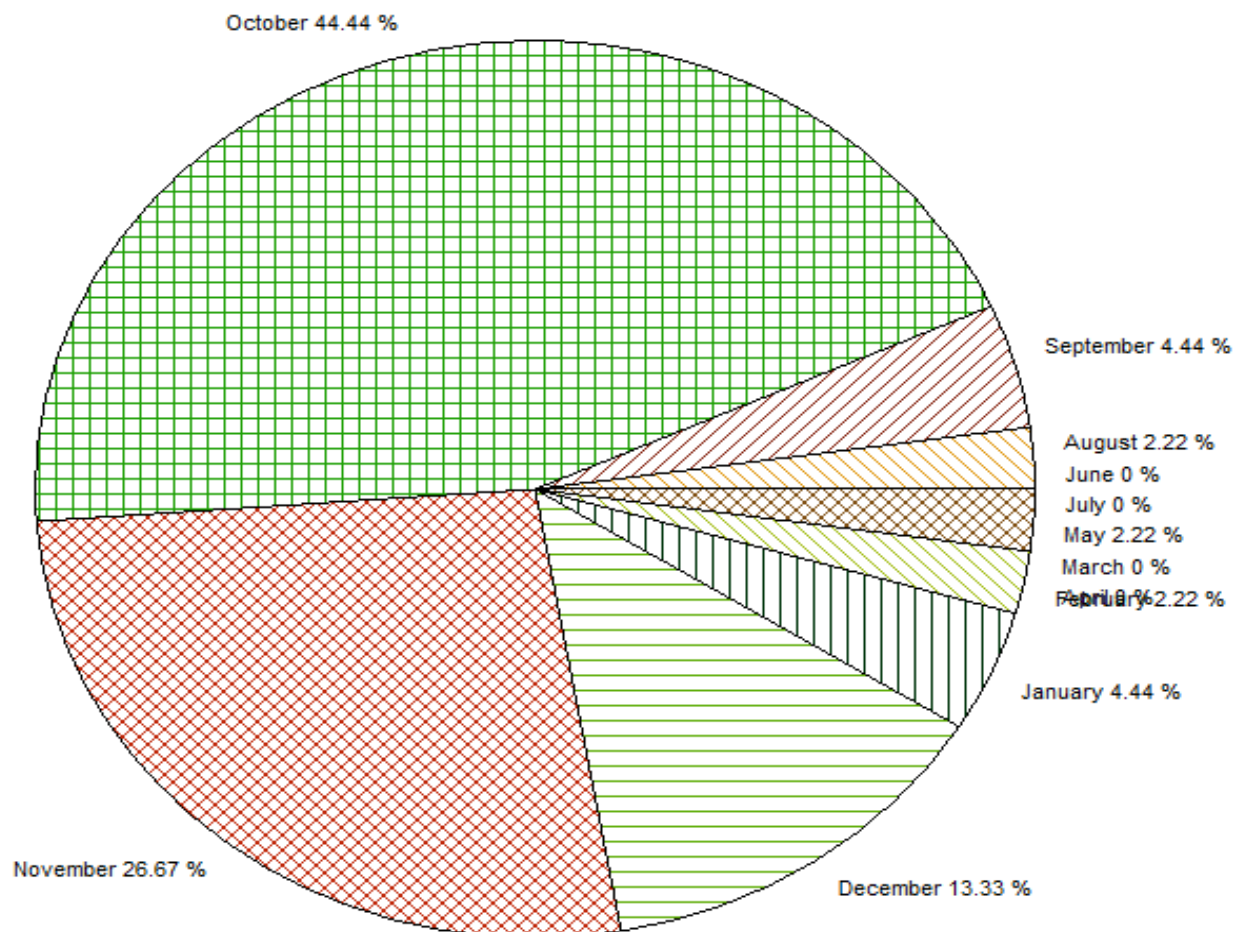
Monthly Average Runoff based on period : 1997-2018

Station Name : Hogenakkal (CCS00A9)

Local River : Chinnar

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



June	0 %
July	0 %
August	2.22 %
September	4.44 %
October	44.44 %
November	26.67 %
December	13.33 %
January	4.44 %
February	2.22 %
March	0 %
April	0 %
May	2.22 %

Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

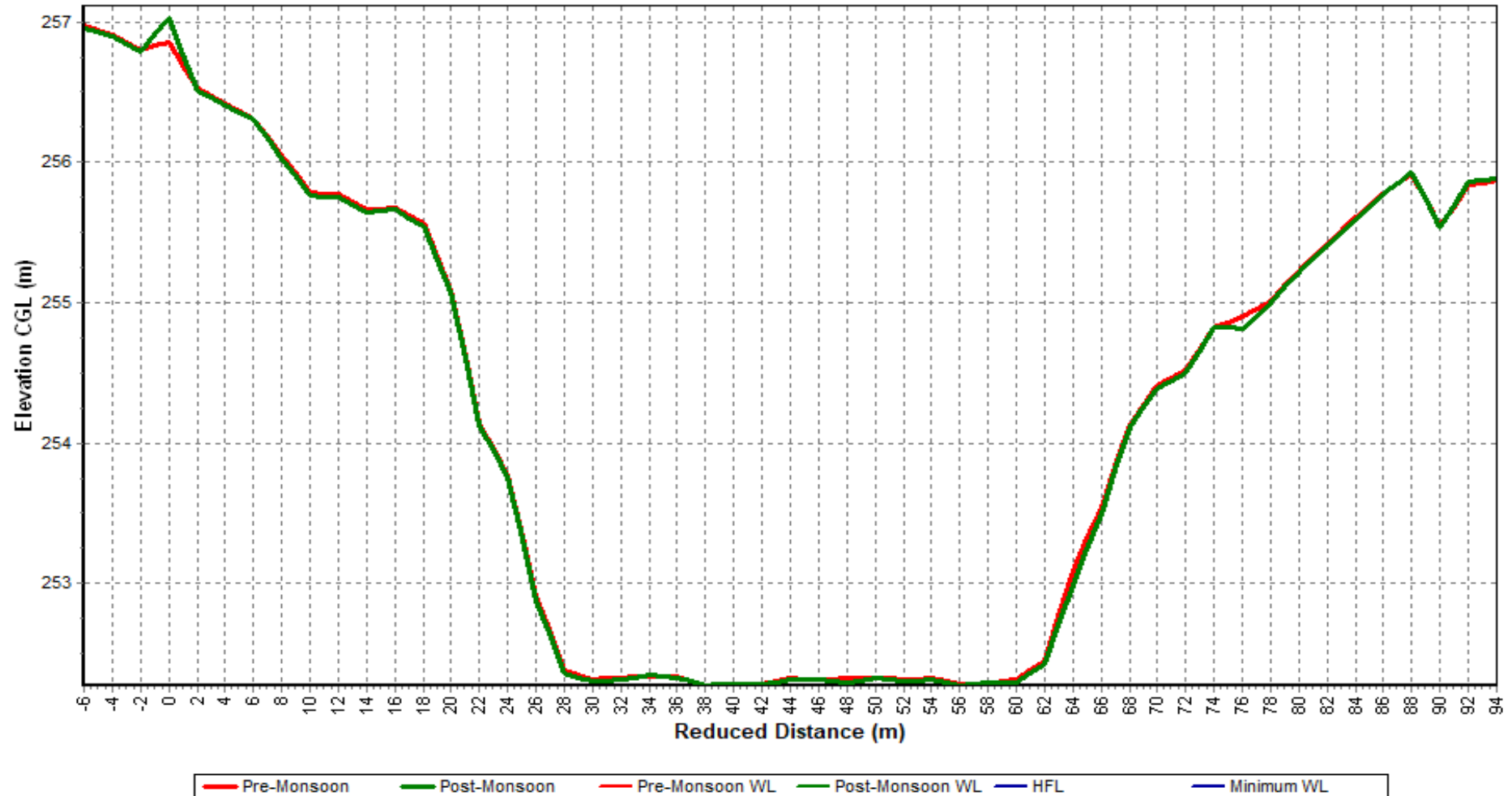
Station Name : Hogenakkal (CCS00A9)

Local River : Chinnar

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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HISTORY SHEET

Water Year : 2018-2019

Site : Biligundulu

Code : CC000N7

State : Tamil Nadu

District : Krishnagiri

Basin : Cauvery

Independent River : Cauvery

Tributary : -

Sub Tributary :

Sub-Sub Tributary :

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

Drainage Area : 36682 Sq. Km.

Bank : Left

Latitude : 12°10'56"

Longitude : 77°43'26"

Zero of Gauge (m) : 255.000 (m.s.l)

01-07-1971

Opening Date

Closing Date

Gauge : 01-07-1971

Discharge : 30-08-1971

Sediment : 01-06-1972

Water Quality : 01-06-1978

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1972-1973	2649	261.990	09-12-1972	12.60	257.950	21-04-1973
1973-1974	3825	263.605	12-07-1973	11.40	257.820	31-05-1974
1974-1975	2510	262.150	20-08-1974	8.900	257.745	25-06-1974
1975-1976	4427	263.500	16-08-1975	17.40	257.830	21-06-1975
1976-1977	979.4	260.115	06-08-1976	18.10	257.820	10-03-1977
1977-1978	2362	262.160	27-10-1977	27.50	257.925	16-03-1978
1978-1979	2373	261.922	02-08-1978	28.80	257.910	02-04-1979
1979-1980	2982	262.715	11-08-1979	27.10	257.895	27-03-1980
1980-1981	4562	264.350	05-07-1980	30.40	257.900	02-03-1981
1981-1982	4370	264.280	19-08-1981	44.40	257.980	18-03-1982
1982-1983	1558	260.837	17-08-1982	41.90	257.985	21-06-1982
1983-1984	2532	262.270	23-08-1983	35.00	257.880	05-06-1983
1984-1985	3981	263.850	05-07-1984	32.30	257.875	15-03-1985
1985-1986	1158	260.680	30-06-1985	21.00	257.850	24-05-1986
1986-1987	2474	262.370	14-08-1986	20.70	257.845	26-06-1986
1987-1988	1216	260.880	21-11-1987	24.35	257.860	19-03-1988
1988-1989	1420	261.300	13-09-1988	25.82	257.868	04-07-1988
1989-1990	1595	261.470	26-07-1989	25.86	257.740	19-06-1989
1990-1991	1618	261.245	24-08-1990	32.74	257.860	19-03-1991
1991-1992	6688	265.560	30-07-1991	39.65	257.877	08-03-1992
1992-1993	3279	263.189	30-07-1992	41.15	257.930	15-03-1993
1993-1994	1314	260.964	18-08-1993	37.67	257.900	22-03-1994

Water Quality : 01-06-1978

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

	Maximum			Minimum		
1994-1995	5311	264.150	17-07-1994	36.80	257.885	26-03-1995
1995-1996	2009	262.035	06-09-1995	31.39	257.830	22-06-1995
1996-1997	1712	261.605	19-10-1996	36.43	257.880	02-05-1997
1997-1998	2730	263.050	10-08-1997	31.75	257.840	18-03-1998
1998-1999	1586	261.200	25-09-1998	28.48	257.790	23-06-1998
1999-2000	2023	262.045	27-10-1999	37.51	257.895	28-03-2000
2000-2001	2412	262.570	10-10-2000	19.74	257.725	06-04-2001
2001-2002	1213	260.820	27-10-2001	23.27	257.740	02-05-2002
2002-2003	953.9	260.370	31-10-2002	9.739	257.560	15-05-2003
2003-2004	523.7	259.515	22-10-2003	4.235	257.405	28-03-2004
2004-2005	1103	260.600	08-08-2004	19.22	257.700	24-04-2005
2005-2006	3656	264.210	24-10-2005	11.29	257.635	03-07-2005
2006-2007	1959	261.990	14-08-2006	16.68	257.780	25-05-2007
2007-2008	3883	263.670	12-08-2007	11.22	257.690	19-06-2007
2008-2009	2702	262.640	15-08-2008	18.59	257.765	06-05-2009
2009-2010	1602	261.203	20-07-2009	11.62	257.675	29-06-2009
2010-2011	1472	261.030	07-11-2010	12.02	257.690	16-02-2011
2011-2012	1888	261.365	06-09-2011	22.03	257.690	28-03-2012
2012-2013	861.8	259.997	07-10-2012	13.51	257.540	30-05-2013
2013-2014	3414	263.570	05-08-2013	12.51	257.620	17-02-2014
2014-2015	2511	262.400	09-08-2014	10.21	257.650	14-06-2014
2015-2016	1061	260.400	06-11-2015	5.469	257.580	08-04-2016
2016-2017	470.2	259.350	10-09-2016	0.560	257.400	21-04-2017
2017-2018	1333	260.840	28-09-2017	3.270	257.520	06-07-2017

Stage-Discharge Data for the period 2018 - 2019

Station Name : Biligundulu (CC000N7)

Division : Cauvery Division, Bangalore

Local River : Cauvery

Sub-Division : Upper Cauvery SD, Bangalore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	258.030	56.50	259.480	539.0 *	259.320	444.1	259.820	696.7	259.040	354.2	258.550	174.9
2	257.960	45.73	258.880	291.9	259.250	432.2	259.640	618.2 *	258.850	275.0 *	258.560	178.7
3	257.950	42.09 *	258.640	204.6	259.330	446.5	259.140	400.6	258.565	185.8	258.570	177.1
4	257.960	45.65	258.520	160.2	259.400	491.9	258.920	301.8	258.665	215.2	258.570	183.4 *
5	258.150	76.13	258.500	155.2	259.130	382.7 *	258.790	259.6	258.625	205.6	258.645	205.9
6	258.075	64.78	258.520	160.3	259.120	387.5	258.770	253.4	258.670	221.5	258.600	192.5 *
7	257.945	44.46	258.240	89.73	259.065	360.8	258.850	279.6	258.800	257.5 *	258.550	173.0
8	258.000	51.14	258.050	58.80 *	258.845	304.6	258.830	276.4	258.700	230.1	258.485	150.3
9	257.990	49.64	258.520	160.5	258.810	262.9	258.670	214.3 *	258.675	222.4	258.470	146.0
10	257.870	30.54 *	260.165	881.8	261.170	1756	258.725	232.9	258.890	298.8	258.460	145.3
11	257.810	25.34	260.200	967.2	263.240	3896	258.685	219.6	259.205	417.9	258.450	149.3 *
12	257.850	29.34	260.375	1043	263.240	3576 *	258.895	294.1	258.960	309.8	258.430	140.2
13	257.810	25.08	260.730	1260	262.700	3112	258.740	237.1 *	258.710	212.0	258.430	140.1
14	257.790	23.12	260.730	1252	261.945	2561	258.780	256.8	258.560	180.5 *	258.480	149.0
15	257.800	23.91	260.660	1234 *	263.350	3699 *	258.785	258.7	259.045	349.7	258.500	154.9
16	257.830	25.38 *	262.550	2727	264.220	4643	258.750	240.4 *	259.025	333.5	258.455	140.1
17	260.055	826.5	262.840	3068	264.450	4907	258.810	267.0	259.040	346.3 *	258.465	145.3
18	259.690	626.7	262.890	3161	264.600	5251	258.950	315.3	259.950	785.4 *	258.520	168.8 *
19	258.810	268.7	261.850	2065	265.050	5839 *	258.850	279.7	259.770	675.7	258.500	154.6
20	258.300	99.22	261.710	2203	264.180	4713	258.705	222.3	259.780	691.5 *	258.415	138.1
21	258.135	73.37	261.490	1968	262.830	2787	258.670	214.3 *	259.265	428.5	258.520	168.8 *
22	257.990	46.94	261.420	1810 *	259.950	692.6	258.740	241.5	258.835	268.4	258.450	141.5
23	259.525	542.3	261.720	2163	259.400	434.0	258.600	192.5 *	258.765	247.8	258.420	141.3 *
24	259.150	390.9 *	261.850	2311	259.825	679.9	258.565	186.4	258.485	152.0	258.550	174.8
25	258.840	275.5	261.460	1972	259.790	696.9 *	260.240	1067	258.440	151.0	258.590	189.4 *
26	258.620	201.1	261.105	1665	260.085	860.4	259.580	566.2	258.410	134.6	258.565	180.3
27	258.205	78.89	261.555	2210	259.260	444.4	259.960	769.4	258.410	138.6 *	258.555	177.0
28	258.050	59.88	261.370	1847	259.130	396.7	259.610	653.7	258.365	121.9	258.585	186.5
29	257.930	42.94	259.870	720.5	259.190	427.3	259.140	382.5	258.430	140.4	258.480	146.6
30	259.100	382.4	259.680	621.5	259.575	586.7	259.330	469.1 *	258.490	152.5	258.440	140.5
31			259.680	638.8 *	259.560	578.0 *			258.490	160.3 *		
Ten-Daily Mean												
I Ten-Daily	257.997	51.462	258.782	290.0	259.420	574.2	259.002	344.0	258.744	239.17	258.542	172.42
II Ten-Daily	258.369	185.33	261.489	1955.3	263.714	4162.3	258.788	252.32	259.125	401.16	258.461	145.39
III Ten-Daily	258.515	198.94	261.077	1673.9	260.019	926.0	259.194	436.46	258.664	222.94	258.517	160.07
Monthly												
Min.	257.790	23.12	258.050	58.80	258.810	262.9	258.565	186.4	258.365	121.9	258.415	138.1
Max.	260.055	826.5	262.890	3161	265.050	5839	260.240	1067	259.950	785.4	258.645	205.9
Mean	258.307	152.5	260.427	1278	260.936	1808	259.018	362.2	258.836	285.9	258.509	161.8

Annual Runoff in MCM = 11284 Annual Runoff in mm = 308

Peak Observed Discharge = 5251 cumecs on 18-08-2018 Corres. Water Level :264.6 m

Lowest Observed Discharge = 7.685 cumecs on 27-02-2019 Corres. Water Level :257.65 m

Note: Ten daily mean is based upon weighted average discharge

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Biligundulu (CC000N7)

Division : Cauvery Division, Bangalore

Local River : Cauvery

Sub-Division : Upper Cauvery SD, Bangalore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	258.450	137.5	257.935	41.70	257.750	17.97	257.835	29.19	257.790	22.00	257.810	24.01
2	258.440	139.0 *	257.910	38.07	257.740	16.23	257.810	24.52	257.805	22.65	257.895	35.62
3	258.430	137.7	257.890	34.98	257.770	19.58 *	257.800	23.19 *	257.760	19.25	257.915	39.45
4	258.390	125.2	257.790	23.03	257.830	26.98	257.810	22.32	257.810	23.42	258.045	60.48
5	258.360	119.6	257.770	20.34	257.820	25.64	257.760	19.19	257.720	13.39	257.980	48.83 *
6	258.255	95.31	257.750	17.30 *	257.940	43.53	257.760	19.41	257.695	11.14	257.870	32.39 *
7	258.295	98.28	257.795	23.70	257.910	40.96	257.685	9.962	257.680	10.10 *	257.815	24.41
8	258.260	95.28	257.795	23.73	257.895	36.75	257.670	9.186 *	257.670	9.194	257.815	21.86
9	258.210	89.96 *	257.770	20.50	257.860	31.33	257.695	11.47	257.660	8.523	257.875	33.21
10	258.165	78.69	257.740	17.01	257.810	24.44 *	257.790	21.97 *	257.660	9.022	257.860	31.68
11	258.145	74.74	257.750	18.37	257.735	14.23	257.775	20.96	257.780	21.10	257.870	33.88
12	258.130	72.64	257.915	40.17	257.705	11.54	257.720	13.31	257.930	43.21	257.820	25.71 *
13	258.090	66.99	257.950	44.12 *	257.690	8.360	257.730	15.19	257.860	35.08	257.840	29.81
14	258.120	71.28	257.910	39.04	257.680	8.579	257.755	18.42	257.760	18.43 *	257.805	24.23
15	258.110	70.11	257.870	32.39 *	257.680	8.823	257.755	18.17	257.670	8.931	257.780	21.51
16	258.130	74.70 *	257.830	26.99	257.720	13.90	257.730	15.10	257.775	20.91	257.805	22.37
17	258.105	71.77	257.815	26.24	257.730	15.11 *	257.760	18.43 *	257.730	15.11 *	257.810	24.47
18	258.090	65.12	257.775	20.66	257.720	13.77	257.745	17.26	257.780	21.65	257.740	16.19 *
19	258.080	65.06	257.795	23.46	257.900	36.23	257.730	15.22	257.800	23.19 #	257.740	16.19 *
20	258.030	56.35	257.820	25.71 *	257.960	44.82	257.725	15.04	257.730	15.79	257.860	30.97
21	257.990	48.06	257.750	17.02	257.970	46.78	257.760	20.22	257.750	17.30 *	257.790	22.41
22	258.010	51.43	257.750	17.78	257.820	25.88	257.730	14.87	257.780	21.18	257.735	15.26
23	258.040	58.72 *	258.035	57.44	257.760	19.43	257.715	13.49	257.840	30.76	257.720	14.51
24	258.020	58.04	258.000	54.17	257.680	10.10 *	257.740	16.19 *	257.870	36.29	257.680	9.886
25	258.030	57.03 *	257.970	46.81	257.650	7.796	257.680	10.01	257.780	20.75	257.730	15.30
26	258.010	50.51	257.940	42.59 *	257.660	7.750	257.680	10.09	257.800	22.80	257.700	12.02 *
27	257.995	48.54	257.950	44.12 *	257.650	7.685	257.670	9.316	257.790	22.50	257.670	8.973
28	258.000	47.38	257.960	44.93	257.725	13.31	257.700	11.65	257.790	21.97 *	257.690	10.69
29	257.930	42.35	257.860	32.64			257.670	8.312	257.740	16.63	257.650	8.024
30	257.870	32.39 *	257.800	23.98			257.730	14.51	257.750	18.33	257.920	40.48
31	257.880	37.16	257.740	16.96			257.700	12.02 *			257.960	44.40
Ten-Daily Mean												
I Ten-Daily	258.319	112.87	257.826	27.57	257.835	28.761	257.765	19.685	257.722	14.524	257.899	37.20
II Ten-Daily	258.096	67.482	257.842	29.674	257.759	19.67	257.745	17.567	257.779	20.993	257.804	24.189
III Ten-Daily	257.978	48.225	257.883	35.255	257.726	15.627	257.706	12.994	257.807	24.535	257.752	19.374
Monthly												
Min.	257.870	32.39	257.740	16.96	257.650	7.685	257.670	8.312	257.660	8.523	257.650	8.024
Max.	258.450	139.0	258.035	57.44	257.970	46.78	257.835	29.19	257.930	43.21	258.045	60.48
Mean	258.131	75.39	257.849	30.84	257.777	21.34	257.736	16.07	257.765	20.02	257.813	25.78

Peak Computed Discharge = 5839 cumecs on 19-08-2018

Corres. Water Level :265.05 m

Lowest Computed Discharge = 9.186 cumecs on 08-03-2019

Corres. Water Level :257.67 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

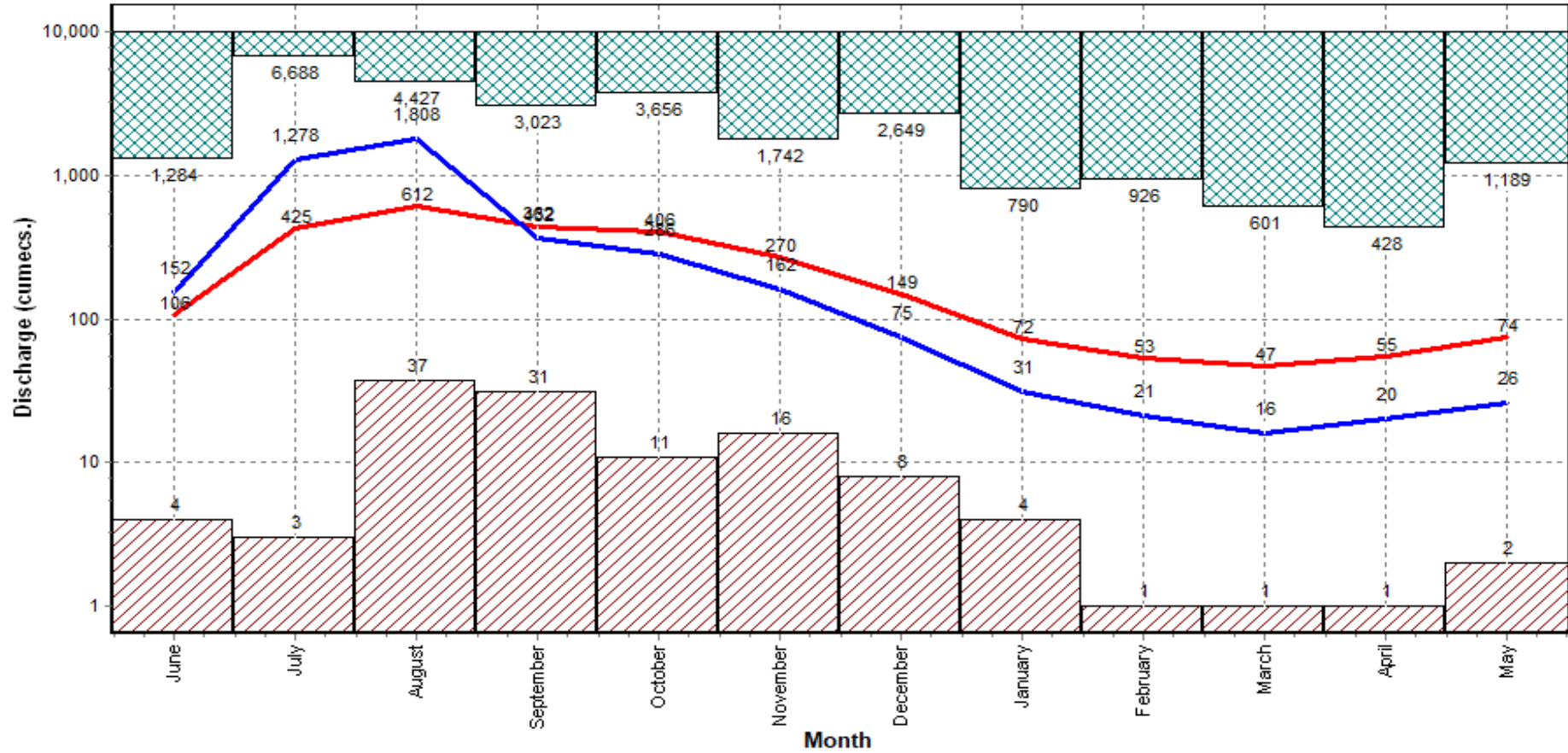
Station Name : Biligundulu (CC000N7)

Data considered : 1972-2019

Division:Southern Rivers Division, Coimbatore

Local River : Cauvery

Sub-Division : MCSD, Coimbatore

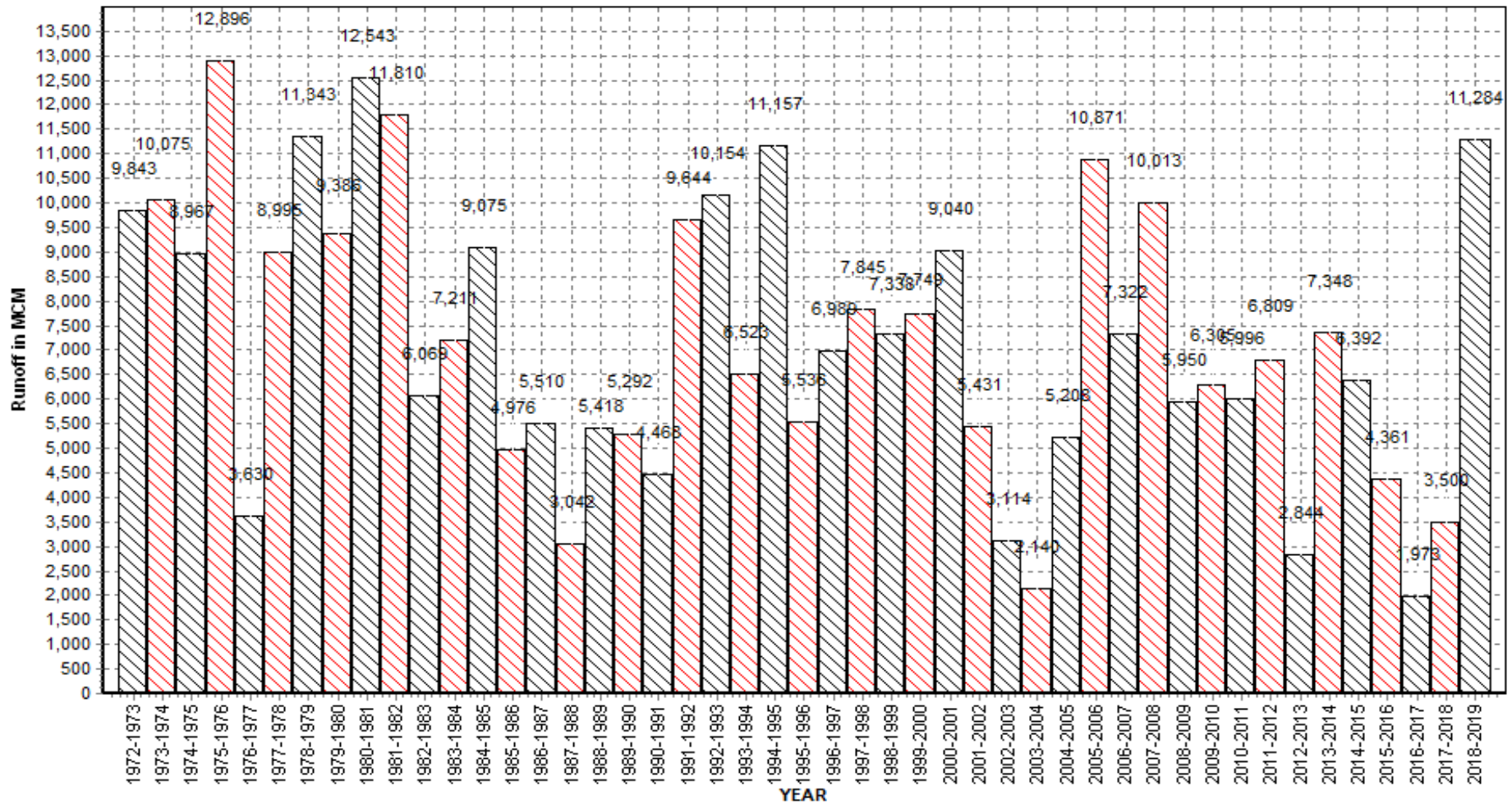


— Mean Discharge - Historical Data
 Minimum Discharge - Historical Data
 Maximum Discharge - Historical Data
— Mean Discharge - Current Year

Annual Runoff Values for the period: 1972 - 2019

Station Name : Biligundulu (CC000N7)
Local River : Cauvery

Division:Southern Rivers Division, Coimbatore
Sub-Division : MCSD, Coimbatore



Note: Missing values have not been considered while arriving at Annual Runoff

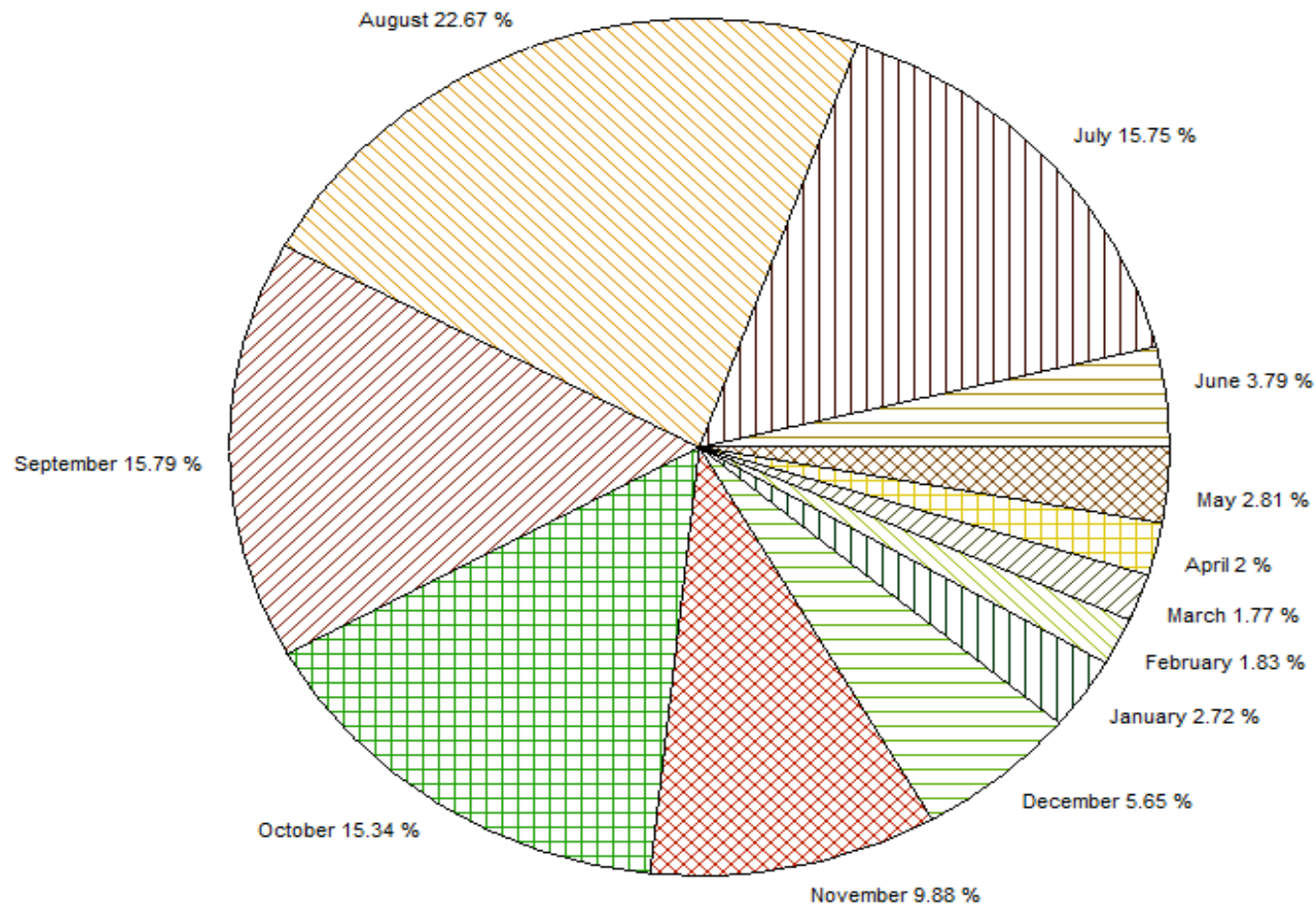
Monthly Average Runoff based on period : 1972-2018

Station Name : Biligundulu (CC000N7)

Local River : Cauvery

Division:Southern Rivers Division, Coimbatore

Sub-Division : MCS.D. Coimbatore

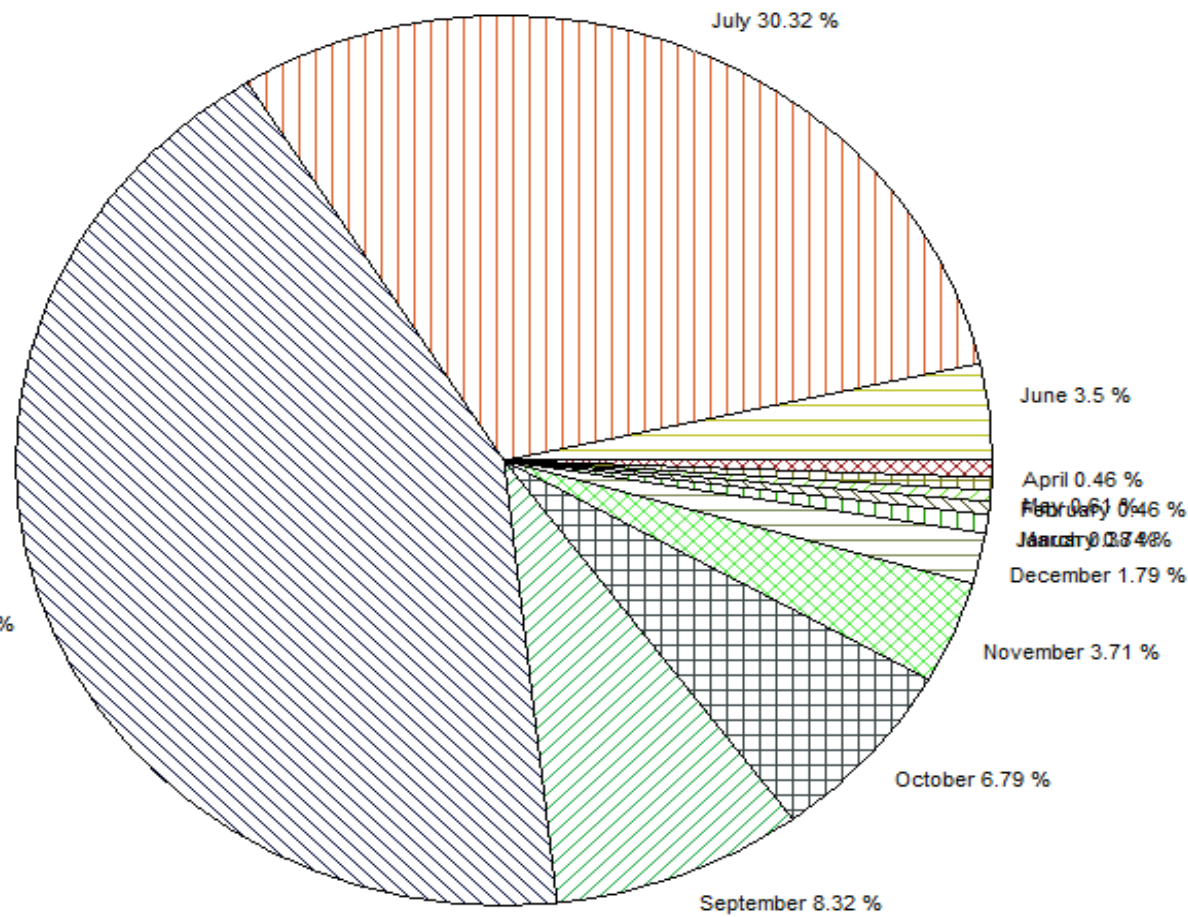


June	3.79 %
July	15.75 %
August	22.67 %
September	15.79 %
October	15.34 %
November	9.88 %
December	5.65 %
January	2.72 %
February	1.83 %
March	1.77 %
April	2 %
May	2.81 %

Station Name : Biligundulu (CC000N7)
Local River : Cauvery

Monthly Runoff for the Year : 2018-2019

Division:Southern Rivers Division, Coimbatore
Sub-Division : MCSD, Coimbatore



June	3.5 %
July	30.32 %
August	42.92 %
September	8.32 %
October	6.79 %
November	3.71 %
December	1.79 %
January	0.74 %
February	0.46 %
March	0.38 %
April	0.46 %
May	0.61 %

Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

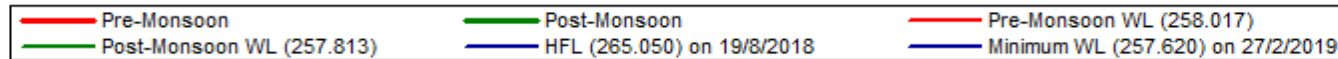
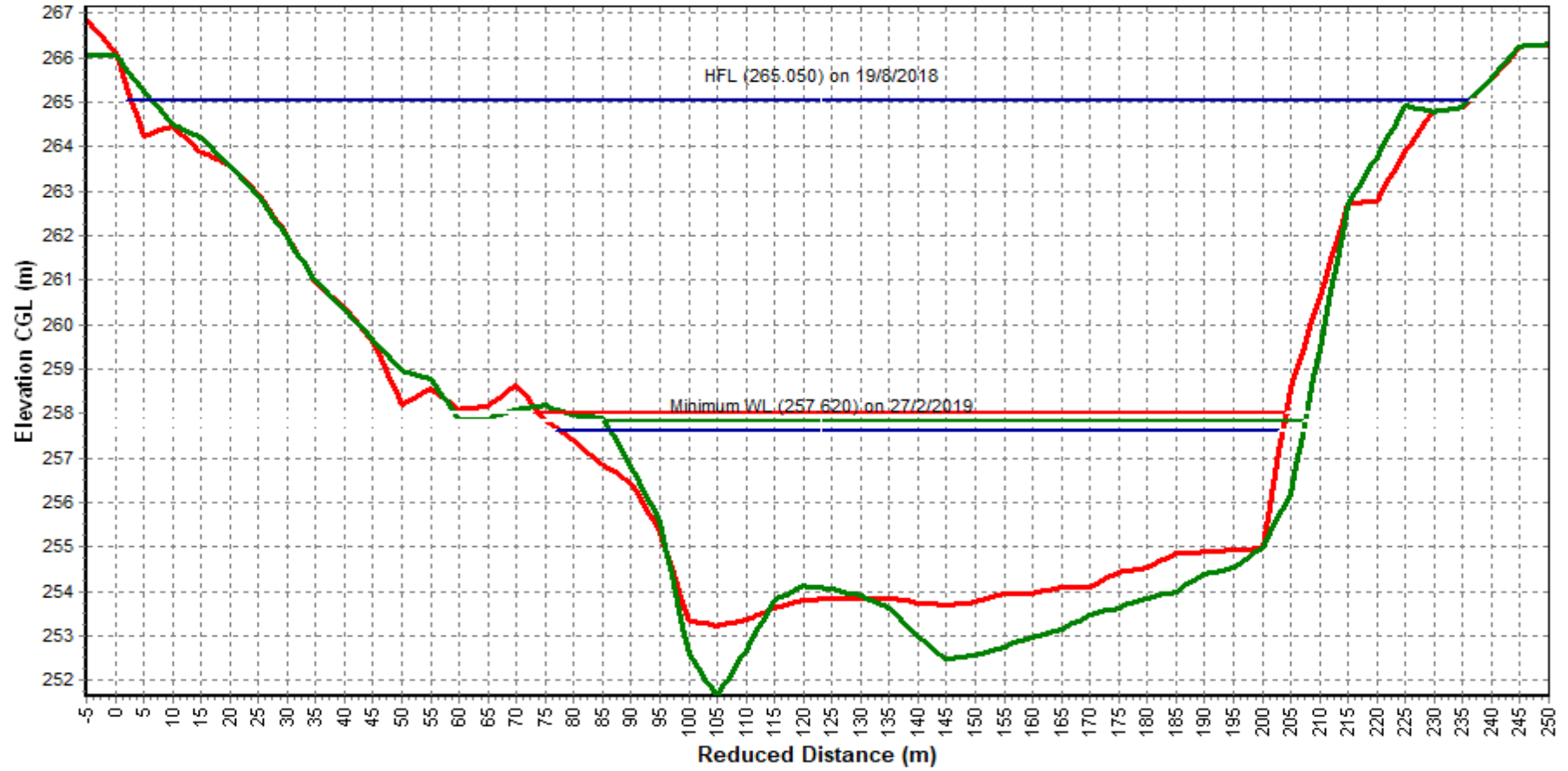
Station Name : Biligundulu (CC000N7)

Local River : Cauvery

Division:Southern Rivers Division, Coimbatore

Sub-Division : MCSD, Coimbatore

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Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

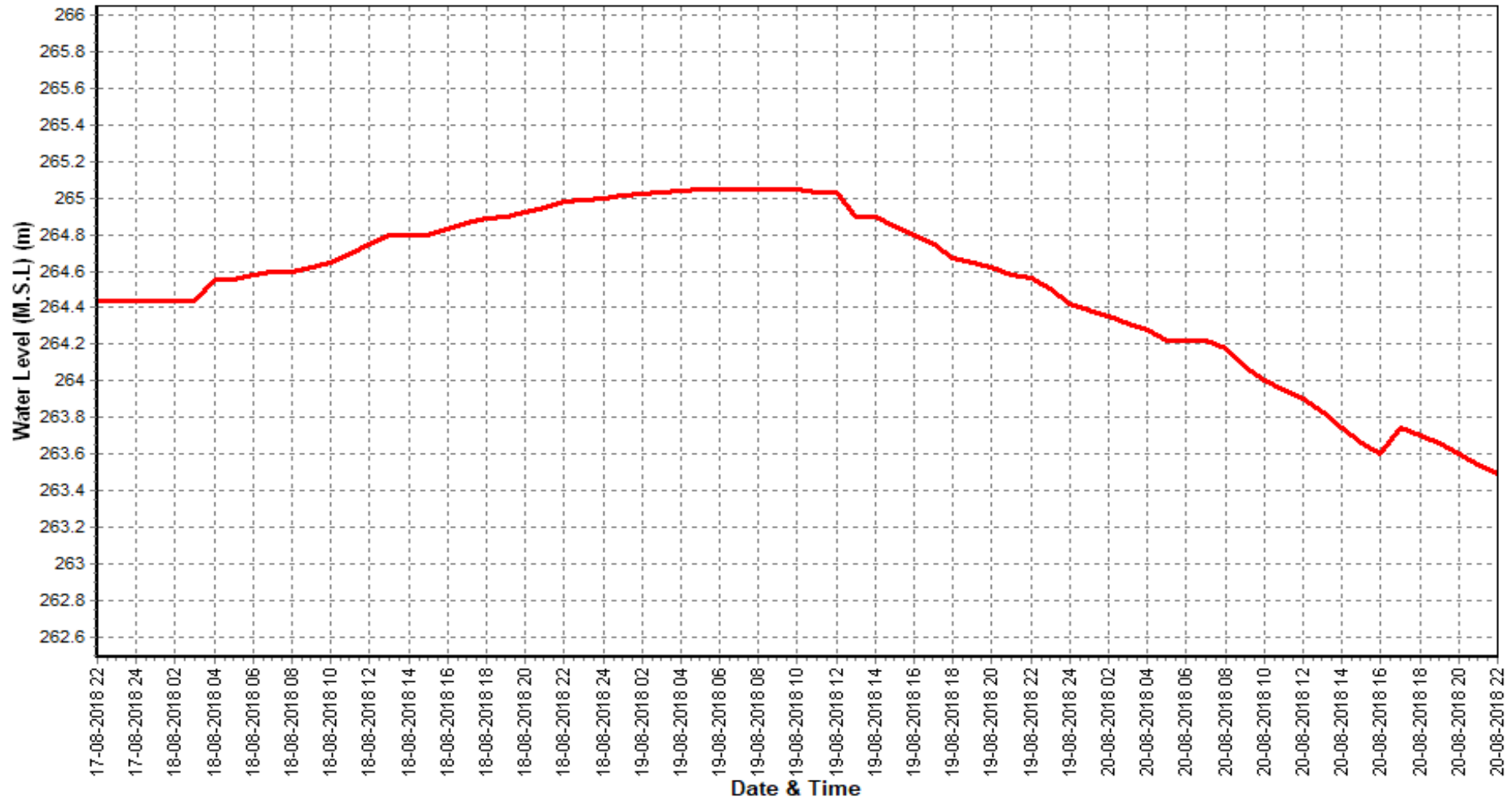
Station Name : Biligundulu (CC000N7)

Division:Southern Rivers Division, Coimbatore

Local River : Cauvery

Sub-Division : MCSD, Coimbatore

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Time Span: 72 Hrs

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

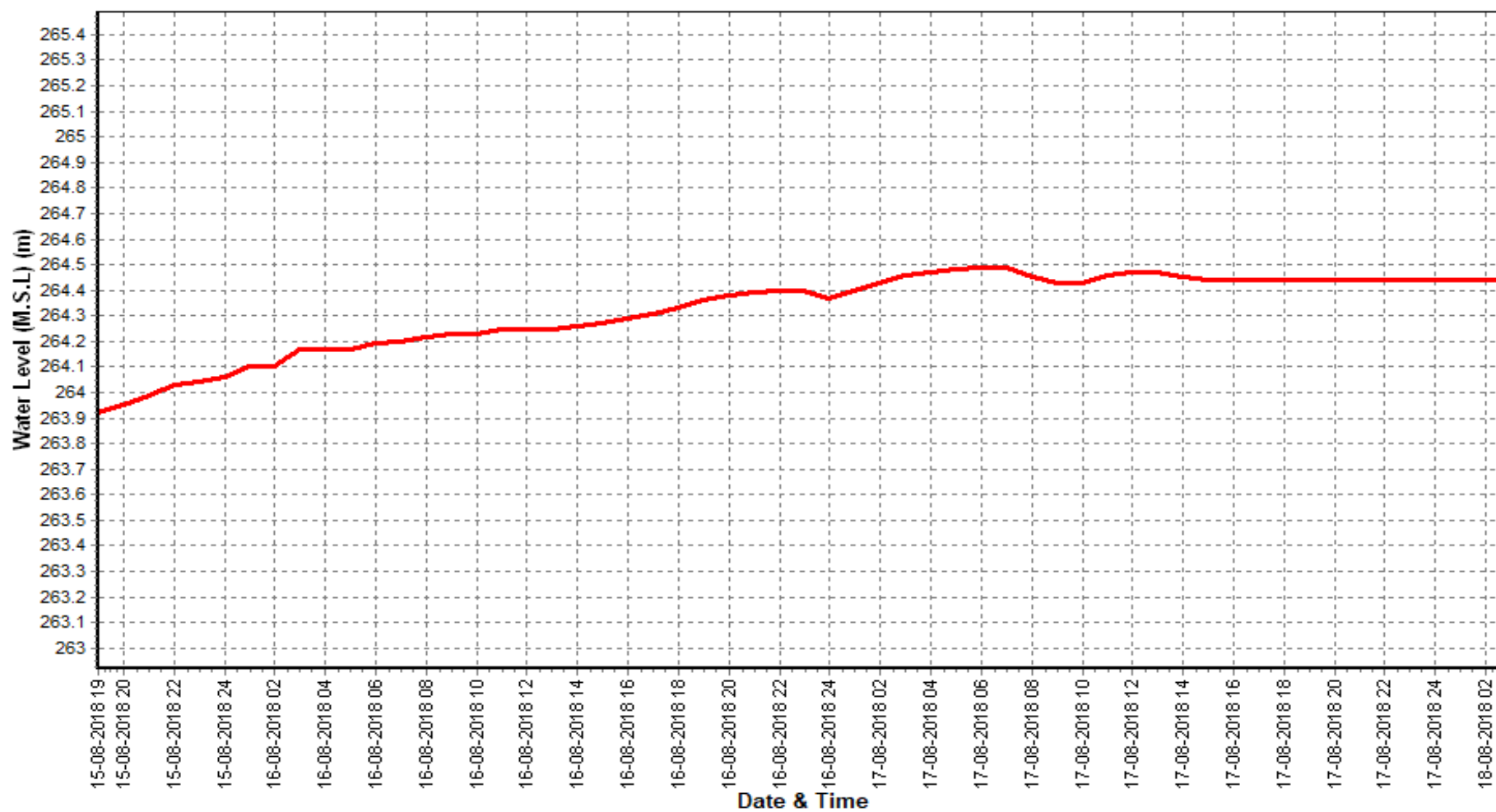
Station Name : Biligundulu (CC000N7)

Division:Southern Rivers Division, Coimbatore

Local River : Cauvery

Sub-Division : MCSD, Coimbatore

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Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

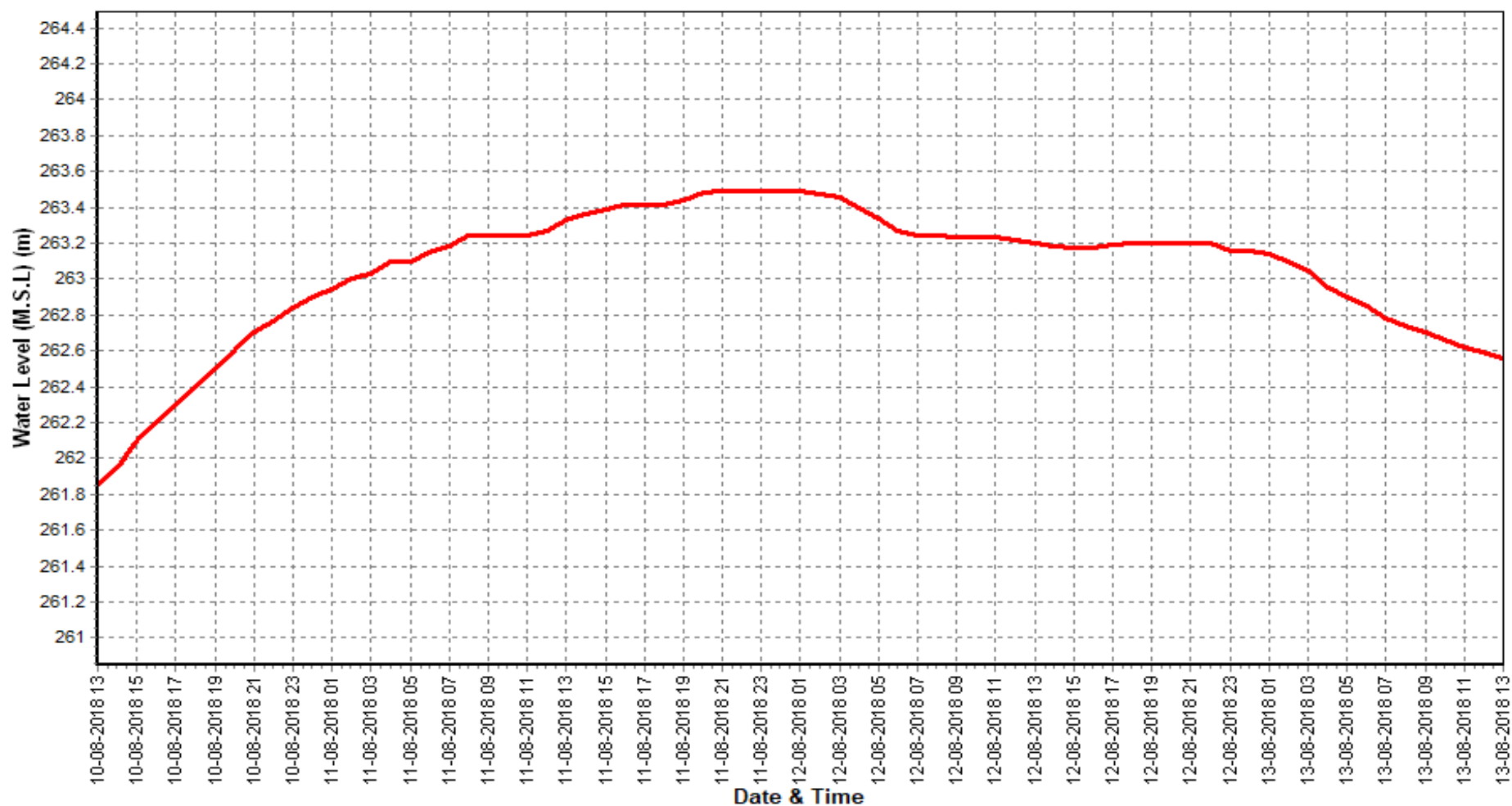
Station Name : Biligundulu (CC000N7)

Division:Southern Rivers Division, Coimbatore

Local River : Cauvery

Sub-Division : MCSD, Coimbatore

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Time Span: 72 Hrs

HISTORY SHEET

		Water Year	: 2018-2019
Site	: Pudunagara	Code	: 0047-CDBNG
State	: Karnataka	District	Chamarajanagara
Basin	: Cauvery	Independent River	: Cauvery
Tributary	:	Sub Tributary	:
Sub-Sub Tributary	:	Local River	: Uduthorehalla
Division	:	Sub-Division	:
Drainage Area	: 220 Sq. Km.	Bank	: Left
Latitude	: 12°04'12"	Longitude	: 77°24'36"
Zero of Gauge (m)	: 585.5 (Arb)	01-11-18	
	Opening Date	Closing Date	
Gauge	: 28-11-16		
Discharge	: 01-11-18		
Sediment	:		
Water Quality	:		

Stage-Discharge Data for the period 2018 - 2019

Station Name : Pudunagara (0047-CDBNG)

Local River : Uduthorehalla

Division :Cauvery Division

Sub-Division :UCSD, Bengaluru

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1											587.680	0.000
2											587.700	0.000
3											587.700	0.000
4											586.970	0.000
5											586.990	0.000
6											586.990	0.000
7											586.980	0.000
8											586.980	0.000
9											586.970	0.000
10											586.970	0.000
11											586.970	0.000
12											586.970	0.000
13											586.970	0.000
14											586.970	0.000
15											586.970	0.000
16											586.970	0.000
17											586.980	0.000
18											586.980	0.000
19											586.980	0.443
20											586.970	0.385
21											586.970	0.330 *
22											586.970	0.419
23											586.980	0.469
24											586.980	0.487
25											586.980	0.450 *
26											586.980	0.413
27											586.965	0.232
28											586.970	0.325
29											586.980	0.450 #
30											586.975	0.311
31												
<u>Ten-Daily Mean</u>												
I Ten-Daily											587.193	0.000
II Ten-Daily											586.973	0.083
III Ten-Daily											586.975	0.389
<u>Monthly</u>												
Min.											586.965	0.000
Max.											587.700	0.487
Mean											587.047	0.157

Annual Runoff in MCM = 1 Annual Runoff in mm = 5

Peak Observed Discharge = 0.487 cumecs on 24-11-2018 Corres. Water Level :586.98 m

Lowest Observed Discharge = 0.000 cumecs on 01-11-2018 Corres. Water Level :587.68 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Pudunagara (0047-CDBNG)

Local River : Uduthorehalla

Division :Cauvery Division

Sub-Division :UCSD, Bengaluru

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	586.965	0.230	586.960	0.073	586.880	0.360	586.190	0.000	586.670	0.000		0.000
2	586.960	0.113 *	586.950	0.027 #	586.880	0.314	586.080	0.000	586.650	0.000		0.000
3	586.960	0.123	586.950	0.000	586.880	0.327 *	586.020	0.000	586.600	0.000		0.000
4	586.960	0.113 #	586.950	0.000	586.870	0.238	585.980	0.000	586.600	0.000		0.000
5	586.960	0.128	586.940	0.000	586.860	0.121	585.980	0.000	586.450	0.000		0.000
6	586.970	0.321	586.940	0.000	586.850	0.052	585.800	0.000	586.280	0.000		0.000
7	586.970	0.298	586.930	0.000	586.850	0.061	585.800	0.000	586.230	0.000		0.000
8	586.960	0.113 #	586.920	0.000	586.830	0.000	585.700	0.000	585.950	0.000		0.000
9	586.960	0.113 *	586.910	0.000	586.820	0.000	586.930	0.000	585.740	0.000		0.000
10	586.965	0.247	586.950	0.030	586.810	0.000	586.890	0.000	585.710	0.000		0.000
11	586.965	0.212	586.920	0.000	586.800	0.000	586.860	0.000	585.700	0.000		0.000
12	586.965	0.166	586.920	0.000	586.750	0.000	586.680	0.000	585.690	0.000		0.000
13	586.960	0.121	586.920	0.000	586.800	0.000	586.430	0.000	585.690	0.000		0.000
14	586.960	0.117	586.930	0.000	586.780	0.000	586.200	0.000	585.690	0.000		0.000
15	586.960	0.104	586.940	0.000	586.830	0.000	586.010	0.000	585.680	0.000		0.000
16	586.960	0.113 *	586.920	0.000	586.780	0.000	585.900	0.000		0.000		0.000
17	586.960	0.086	586.960	0.085	586.800	0.000	585.820	0.000		0.000		0.000
18	586.960	0.113 #	586.940	0.000	586.790	0.000	585.800	0.000		0.000		0.000
19	586.960	0.098	586.930	0.000	586.810	0.000	585.800	0.000		0.000		0.000
20	586.960	0.099	586.910	0.000	586.810	0.000	585.800	0.000		0.000		0.000
21	586.960	0.113 #	586.930	0.000	586.790	0.000	585.740	0.000		0.000		0.000
22	586.960	0.113 #	586.930	0.000	586.810	0.000	585.740	0.000		0.000		0.000
23	586.960	0.113 *	586.940	0.000	586.780	0.000	585.740	0.000		0.000		0.000
24	586.960	0.144	586.950	0.000	586.790	0.000	585.740	0.000		0.000		0.000
25	586.960	0.113 *	586.940	0.000	586.510	0.000	585.700	0.000		0.000		0.000
26	586.970	0.211	586.930	0.000	586.510	0.000	585.600	0.000		0.000		0.000
27	586.960	0.086 #	586.930	0.000	586.350	0.000	585.700	0.000		0.000		0.000
28	586.960	0.086 #	586.940	0.000	586.260	0.000	585.700	0.000		0.000		0.000
29	586.960	0.086 #	586.870	0.178			586.900	0.000		0.000		0.000
30	586.960	0.086 *	586.890	0.446			586.740	0.000		0.000		0.000
31	586.960	0.082	586.880	0.344			586.700	0.000				0.000
Ten-Daily Mean												
I Ten-Daily	586.963	0.180	586.940	0.013	586.853	0.147	586.137	0.000	586.288	0.000		0.000
II Ten-Daily	586.961	0.123	586.929	0.009	586.795	0.000	586.130	0.000	585.690	0.000		0.000
III Ten-Daily	586.961	0.112	586.921	0.088	586.600	0.000	586.000	0.000		0.000		0.000
Monthly												
Min.	586.960	0.082	586.870	0.000	586.260	0.000	585.600	0.000	585.680	0.000		0.000
Max.	586.970	0.321	586.960	0.446	586.880	0.360	586.930	0.000	586.670	0.000		0.000
Mean	586.962	0.137	586.930	0.038	586.760	0.053	586.086	0	586.089	0		0

Peak Computed Discharge = 0.450 cumecs on 25-11-2018

Corres. Water Level :586.98 m

Lowest Computed Discharge = 0.086 cumecs on 30-12-2018

Corres. Water Level :586.96 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

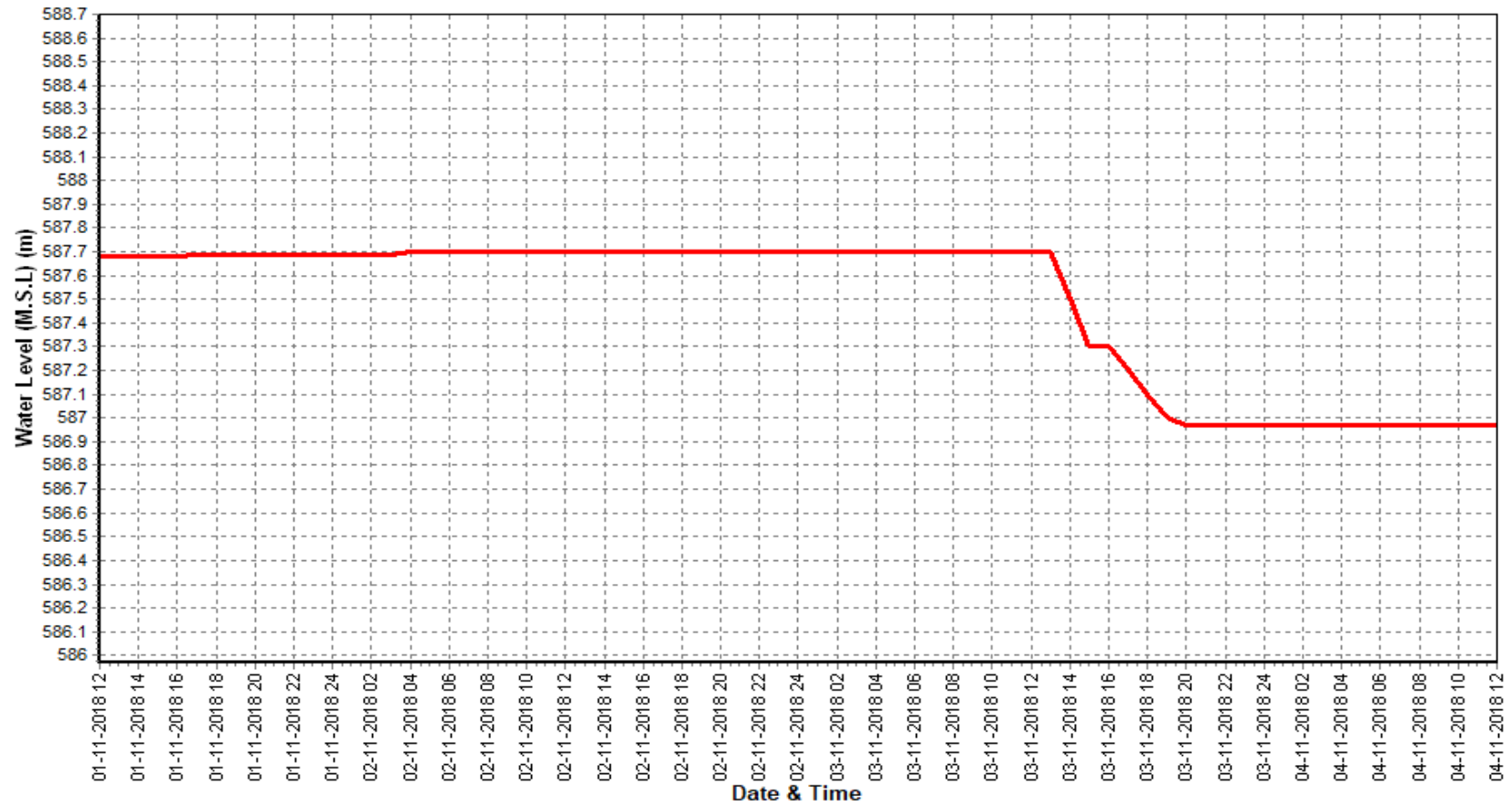
#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : Pudunagara (0047-CDBNG)
Local River : Uduthorehalla

Division :Cauvery Division
Sub-Division :UCSD, Bengaluru

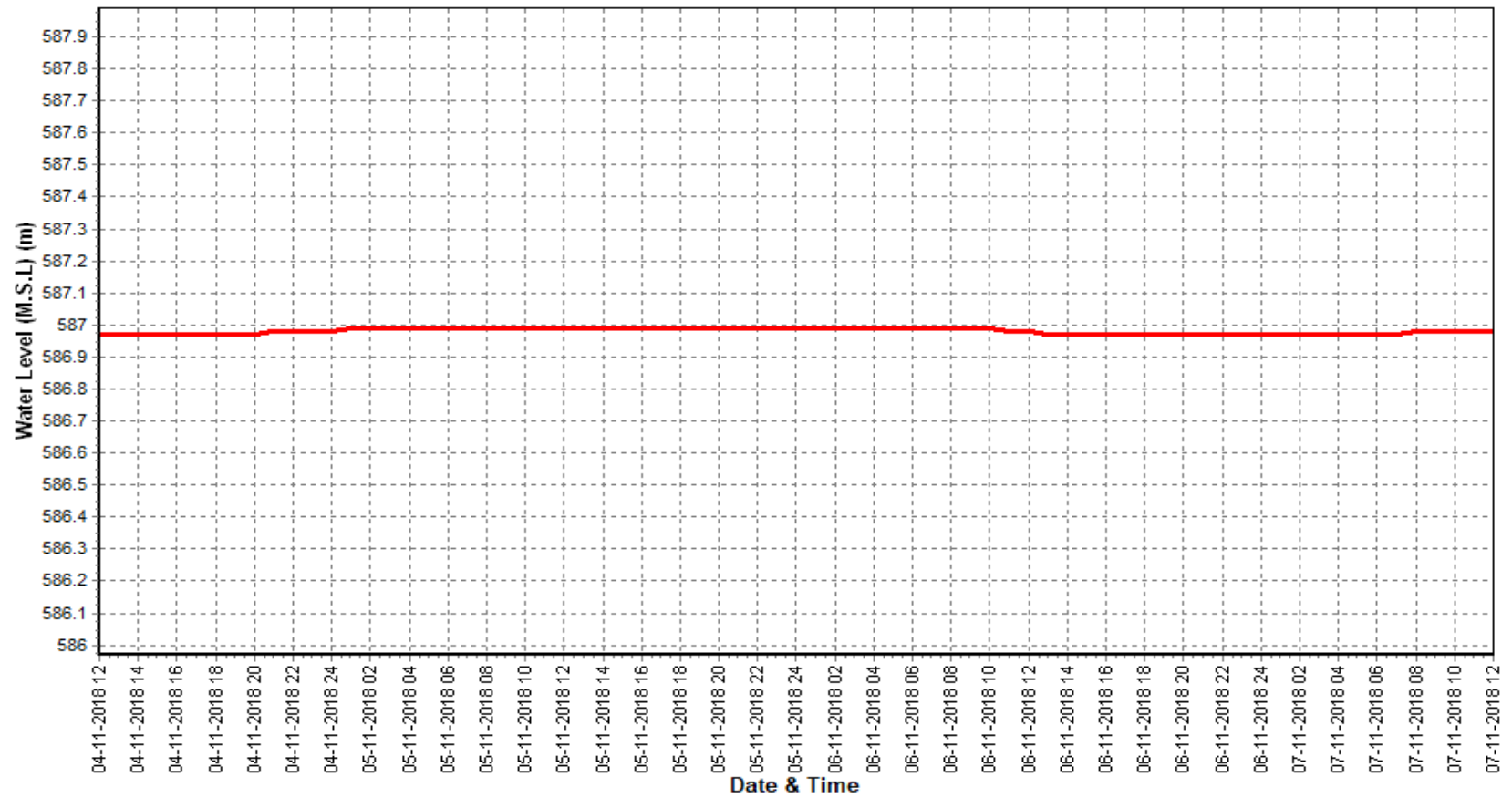


Time Span: 72 Hrs

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : Pudunagara (0047-CDBNG)
Local River : Uduthorehalla

Division :Cauvery Division
Sub-Division :UCSD, Bengaluru



Time Span: 72 Hrs

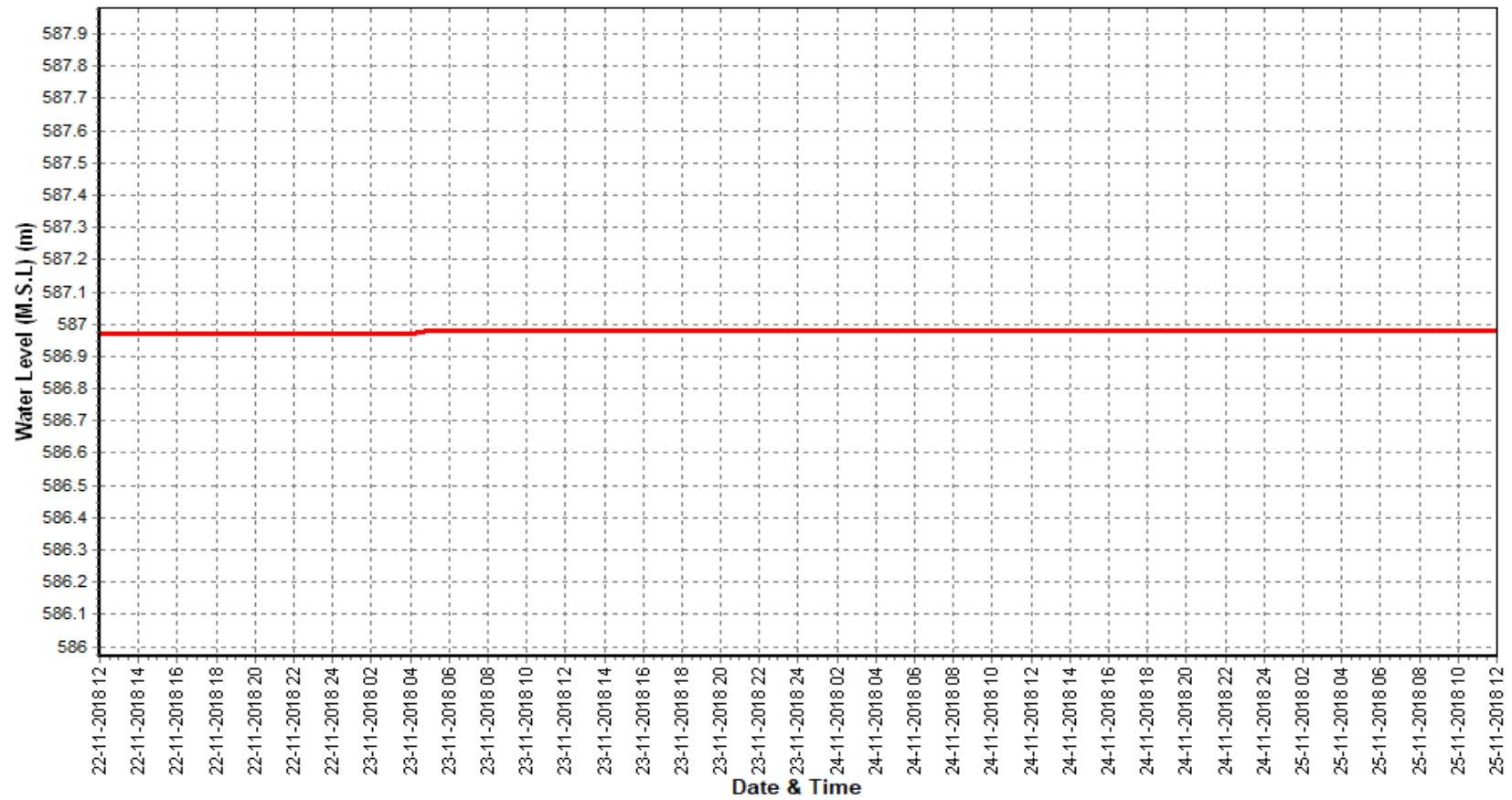
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : Pudunagara (0047-CDBNG)

Local River : Uduthorehalla

Division :Cauvery Division

Sub-Division :UCSD, Bengaluru



Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2018-2019

Site : T. BEKUPPE

Code : T. BEKUPPE

State : Karnataka

District : Ramanagaram

Basin : Cauvery

Independent River : Cauvery

Tributary : Arkavathi

Sub Tributary :

Sub-Sub Tributary :

Local River : Arkavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

Drainage Area : 3500 Sq. Km.

Bank : Left

Latitude : 12°30'29"

Longitude : 77°25'39"

Zero of Gauge (m) : 604.000 (m.s.l)
600.000 (m.s.l)11-11-03 - 31-05-05
01-06-05

Opening Date

Closing Date

Gauge : 11-11-03

Discharge : 24-11-03

Sediment : 26-03-13

Water Quality : 01-12-03

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2004-2005	424.7	606.700	12-07-04	0.000	604.600	20-03-05
2005-2006	DISCHARGE OBSERVATIONS SUSPENDED					
2006-2007	DISCHARGE OBSERVATIONS SUSPENDED					
2007-2008	11.83	604.820	21-10-07	0.000	604.660	01-06-07
2008-2009	164.5	606.500	28-08-08	0.347	604.300	12-02-09
2009-2010	147.2	606.500	20-09-09	2.442	604.390	26-07-09
2010-2011	58.06	605.520	08-11-10	2.160	604.350	14-03-11
2011-2012	60.03	605.500	13-10-11	2.135	604.360	29-03-12
2012-2013	27.66	605.000	24-05-13	0.000	604.240	01-04-13
2013-2014	88.16	605.700	01-06-13	1.952	604.320	28-03-14
2014-2015	21.34	605.080	12-10-14	4.027	604.400	28-03-15
2015-2016	30.36	605.750	08-09-15	2.559	604.400	29-03-16
2016-2017	37.13	606.200	28-05-17	0.000	604.200	11-04-17
2017-2018	363.8	607.280	10-09-17	1.927	604.390	31-07-17

Stage-Discharge Data for the period 2018 - 2019

Station Name : T. Bekuppe (T. BEKUPPE)

Division : Cauvery Division, Bangalore

Local River : Arkavathi

Sub-Division : Upper Cauvery SD, Bangalore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	604.700	10.23	604.680	9.470 *	604.610	6.777	605.080	32.73	604.760	14.34	604.700	10.16
2	604.710	10.77	604.670	8.357	604.560	5.252	604.950	25.31 *	604.900	21.89 *	604.590	5.454
3	604.700	10.41 *	604.660	7.798	604.610	6.889	604.760	14.63	604.750	13.56	604.700	8.157
4	604.700	10.07	604.670	8.316	604.690	9.315	604.750	13.57	604.830	17.46 #	604.700	10.41 *
5	604.720	11.21	604.660	7.710	604.710	10.90 *	604.720	11.22	604.840	18.95	604.930	24.03
6	605.080	33.26	604.640	7.520	604.740	12.38	604.760	14.34	604.890	21.81	604.750	13.35
7	604.720	11.33	604.610	6.919	604.740	12.40	604.680	9.174	604.870	19.94 *	604.710	11.27
8	604.710	10.68	604.610	6.477 *	604.750	12.99	604.710	10.20	604.840	18.25	604.640	7.701 *
9	604.700	10.13	604.560	5.327	604.760	13.90	604.740	12.42 *	604.860	20.10	604.590	5.478
10	604.710	10.90 *	604.610	6.944	604.750	12.79	604.730	11.68	604.840	18.18	604.590	5.550
11	604.690	9.595	604.600	6.575	604.760	14.07	604.720	11.40	604.830	18.51	604.580	5.347 *
12	604.700	10.15	604.660	7.936	604.740	12.42 *	604.640	7.593	604.760	14.33	604.640	8.290
13	604.690	9.641	604.640	7.577	604.740	12.48	604.630	7.283 *	604.700	10.39	604.580	5.358
14	604.650	7.970	604.640	7.563	604.760	14.20	604.700	10.30	604.750	12.94 *	604.640	6.780
15	604.640	7.529	604.640	7.701 *	604.760	13.47 *	604.670	8.962	604.750	13.70	604.580	5.285
16	604.650	8.129 *	604.660	7.908	604.750	13.35	604.740	12.42 *	604.930	23.87	604.580	5.293
17	604.710	10.90 *	604.690	9.570	604.760	14.19	604.930	24.00	604.930	24.10	604.690	8.338
18	604.720	11.36	604.670	8.118	604.750	12.97	604.880	20.56	605.080	35.19 *	604.640	7.701 *
19	604.740	12.25	604.610	6.907	604.760	13.47 *	604.760	14.33	605.080	35.19 *	604.670	8.448
20	604.670	8.162	604.560	5.305	604.740	11.93	604.750	13.78	605.080	32.79	604.580	5.338
21	604.700	10.42	604.610	6.953	604.740	12.00	604.750	12.94 *	604.940	24.61 *	604.550	4.310 *
22	604.670	8.392	604.610	6.477 *	604.710	10.90 *	604.760	14.45	604.830	18.53	604.580	5.353
23	604.640	7.555	604.700	9.740	604.760	14.34	604.740	12.42 *	604.760	14.34	604.640	7.701 *
24	604.650	8.129	604.640	7.497	604.730	11.73	604.670	8.963	604.750	13.76	604.640	7.337
25	604.740	12.32	604.610	6.308	604.700	10.25	605.560	72.82	604.700	10.38	604.700	10.41 *
26	604.690	9.619	604.600	5.903	604.840	18.07 *	605.420	58.95	604.700	10.39	604.840	18.59
27	604.670	8.164	604.580	6.007	604.760	14.48	605.560	85.22	604.630	7.082	604.700	10.20
28	604.670	8.386	604.560	5.117	604.760	14.68	605.420	84.64	604.670	9.012 *	604.840	19.34
29	604.660	7.708	604.560	4.645 *	604.730	11.67	605.260	58.23	604.590	5.496	604.670	8.368
30	604.690	9.663	604.600	6.395	604.930	25.65	604.940	24.61 #	604.640	8.289	604.590	5.981
31			604.560	5.167	604.940	24.28			604.620	7.188		
Ten-Daily Mean												
I Ten-Daily	604.745	12.90	604.637	7.484	604.692	10.36	604.788	15.53	604.838	18.45	604.690	10.16
II Ten-Daily	604.686	9.568	604.637	7.516	604.752	13.25	604.742	13.06	604.889	22.10	604.618	6.618
III Ten-Daily	604.678	9.035	604.603	6.383	604.782	15.28	605.108	43.32	604.712	11.73	604.675	9.758
Monthly												
Min.	604.640	7.529	604.560	4.645	604.560	5.252	604.630	7.283	604.590	5.496	604.550	4.310
Max.	605.080	33.26	604.700	9.740	604.940	25.65	605.560	85.22	605.080	35.19	604.930	24.03
Mean	604.703	10.5	604.625	7.103	604.743	13.04	604.879	23.97	604.810	17.24	604.661	8.844

Annual Runoff in MCM = 288 Annual Runoff in mm = 82

Peak Observed Discharge = 85.22 cumecs on 27-09-2018 Corres. Water Level :605.56 m

Lowest Observed Discharge = 0.785 cumecs on 25-03-2019 Corres. Water Level :604.35 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : T. Bekuppe (T. BEKUPPE)

Division : Cauvery Division, Bangalore

Local River : Arkavathi

Sub-Division : Upper Cauvery SD, Bangalore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	604.580	5.439			604.570	4.519	604.440	2.511	604.330	0.812	604.510	3.152
2	604.560	4.826 *			604.530	3.563	604.430	2.305	604.400	1.595	604.730	11.41
3	604.580	5.315	604.570	5.094 *	604.540	4.313 *	604.410	1.688 *	604.400	1.585	604.670	8.627
4	604.560	4.684	604.550	4.566 *	604.540	4.048	604.440	2.417	604.390	1.503	604.600	5.648
5	604.560	4.540	604.550	4.566 *	604.510	3.090	604.450	2.489	604.340	0.850	604.600	5.938 *
6	604.590	6.088	604.560	4.826 *	604.530	3.357	604.450	2.571	604.370	1.065	604.590	5.218
7	604.580	5.633	604.610	6.235 *	604.550	4.009	604.430	1.937	604.390	1.392 *	604.450	2.470
8	604.590	6.203	604.590	5.651 *	604.530	3.780	604.440	2.178	604.410	1.669	605.420	63.74
9	604.610	6.235 *	604.580	5.369 *	604.530	3.688	604.430	2.106	604.380	1.439	604.730	11.75
10	604.590	6.081	604.570	4.790	604.580	5.369 *	604.430	2.012 *	604.560	3.949	604.670	8.543
11	604.580	5.560	604.570	4.710	604.550	4.158	604.420	2.130	604.510	2.847	604.650	7.358
12	604.600	6.274	604.560	4.581	604.610	5.226	604.420	2.273	604.510	2.856	604.540	4.313 *
13	604.590	6.182	604.540	4.313 *	604.550	4.037	604.420	1.813	604.500	2.726	604.620	6.539
14	604.580	5.697	604.550	4.120	604.580	4.871	604.390	1.551	604.480	2.950 *	604.650	7.388
15	604.580	5.621	604.540	4.313 *	604.550	4.115	604.410	1.594	604.450	2.291	604.610	5.890
16	604.570	5.094 *	604.510	4.039	604.550	4.372	604.410	1.802	604.410	1.660	604.640	7.046
17	604.590	6.261	604.510	3.163	604.540	4.313 *	604.410	1.688 *	604.400	1.537 *	604.730	12.31
18	604.590	6.293	604.520	3.583	604.540	4.193	604.380	1.459	604.400	1.537 *	604.650	7.495 *
19	604.600	6.340	604.530	3.618	604.440	2.551	604.370	0.962	604.510	3.599 *	604.700	9.232 *
20	604.560	4.759	604.510	3.599 *	604.420	1.846 #	604.360	0.957	604.670	8.541	604.650	7.276
21	604.580	5.722	604.550	4.119	604.450	2.569	604.370	1.102	604.680	8.514 *	604.620	6.250
22	604.580	5.640	604.510	3.168	604.450	2.597	604.400	1.492	604.600	5.724	604.560	4.320
23	604.570	5.094 *	604.510	3.120	604.410	2.002	604.390	1.439	604.840	18.95	604.510	3.171
24	604.560	4.643	604.540	3.791	604.410	1.688 *	604.390	1.392 *	604.670	7.303	604.620	6.503
25	604.570	5.094 *	604.510	3.043	604.420	2.159	604.350	0.785	604.600	5.651	604.610	6.074
26	604.560	4.734	604.510	3.599 *	604.430	2.331	604.410	1.741	604.590	5.202	604.700	9.232 *
27	604.580	5.693	604.500	3.376 *	604.420	2.249	604.390	1.518	604.590	5.225	604.850	20.24
28	604.580	5.657	604.530	5.036	604.440	2.475	604.370	1.082	604.600	5.938 *	604.870	21.25
29	604.580	5.645	604.580	5.036			604.360	0.911	604.580	4.922	604.720	12.07
30	604.610	6.235 *	604.580	5.034			604.360	1.005	604.560	4.310	604.620	6.565
31	604.600	6.364	604.580	4.633			604.350	0.887 *			604.640	7.045
Ten-Daily Mean												
I Ten-Daily	604.580	5.504	604.572	5.137	604.541	3.974	604.435	2.221	604.397	1.586	604.697	12.65
II Ten-Daily	604.584	5.808	604.534	4.004	604.533	3.968	604.399	1.623	604.484	3.054	604.644	7.484
III Ten-Daily	604.579	5.502	604.536	3.996	604.429	2.259	604.376	1.214	604.631	7.174	604.665	9.338
Monthly												
Min.	604.560	4.540	604.500	3.043	604.410	1.688	604.350	0.785	604.330	0.812	604.450	2.470
Max.	604.610	6.364	604.610	6.235	604.610	5.369	604.450	2.571	604.840	18.95	605.420	63.74
Mean	604.581	5.601	604.546	4.313	604.506	3.482	604.403	1.671	604.504	3.938	604.669	9.808

Peak Computed Discharge = 35.19 cumecs on 18-10-2018

Corres. Water Level :605.08 m

Lowest Computed Discharge = 0.887 cumecs on 31-03-2019

Corres. Water Level :604.35 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

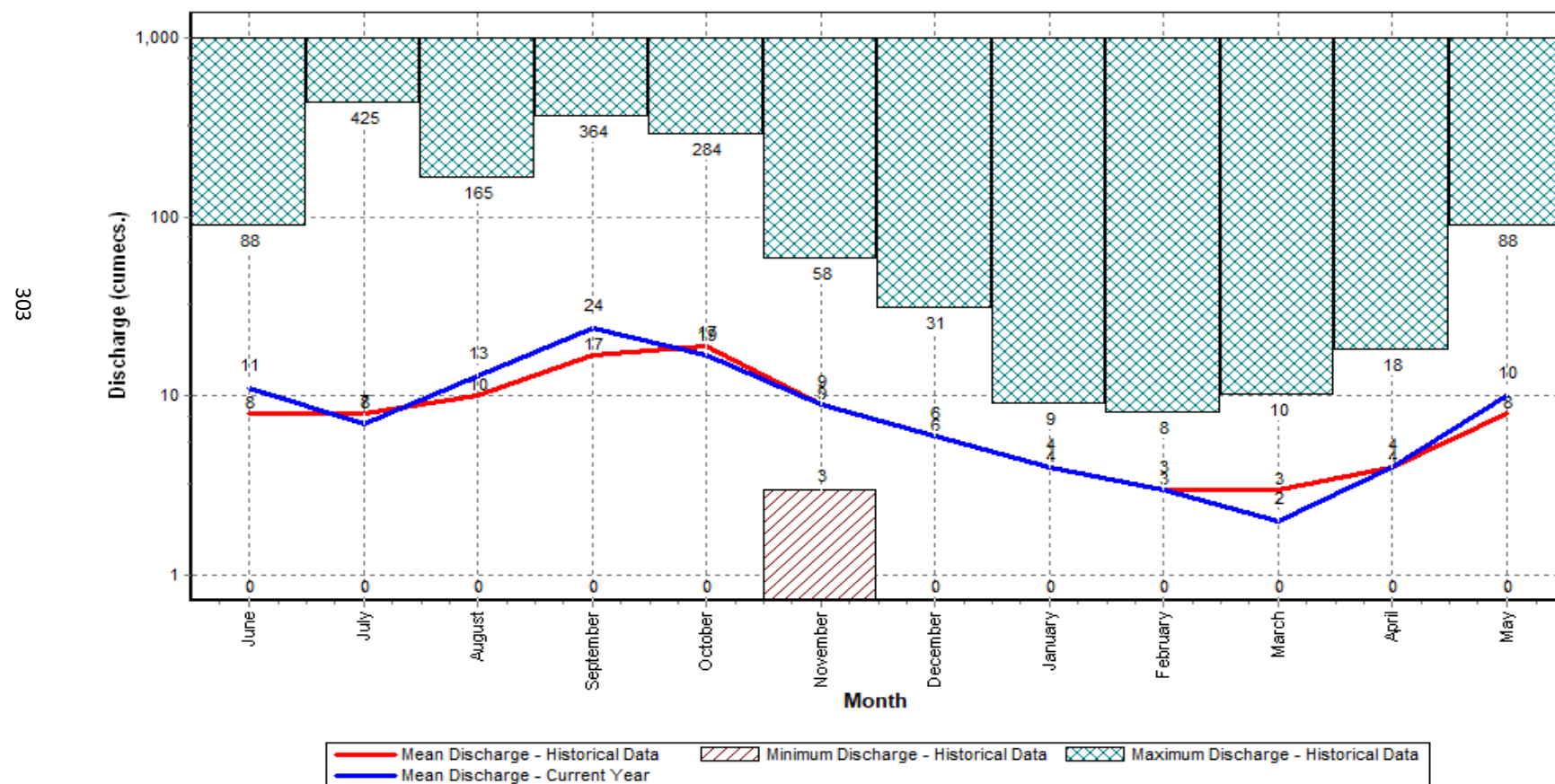
Station Name : T. Bekuppe (T. BEKUPPE)

Data considered : 2004-2019

Division : Cauvery Division, Bangalore

Local River : Arkavathi

Sub-Division : Upper Cauvery SD, Bangalore

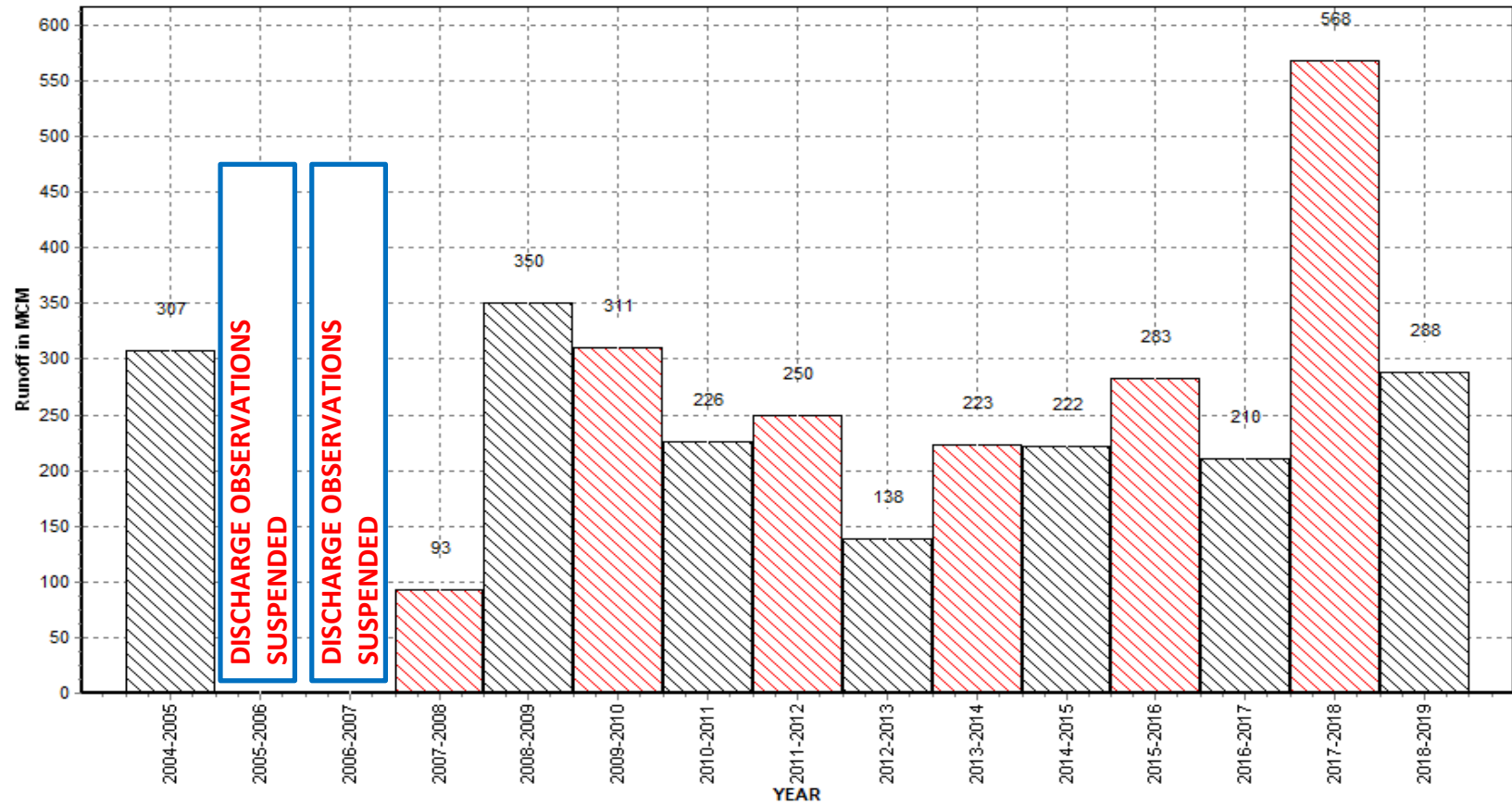


Annual Runoff Values for the period: 2004 - 2019

Station Name : T. Bekuppe (T. BEKUPPE)
Local River : Arkavathi

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

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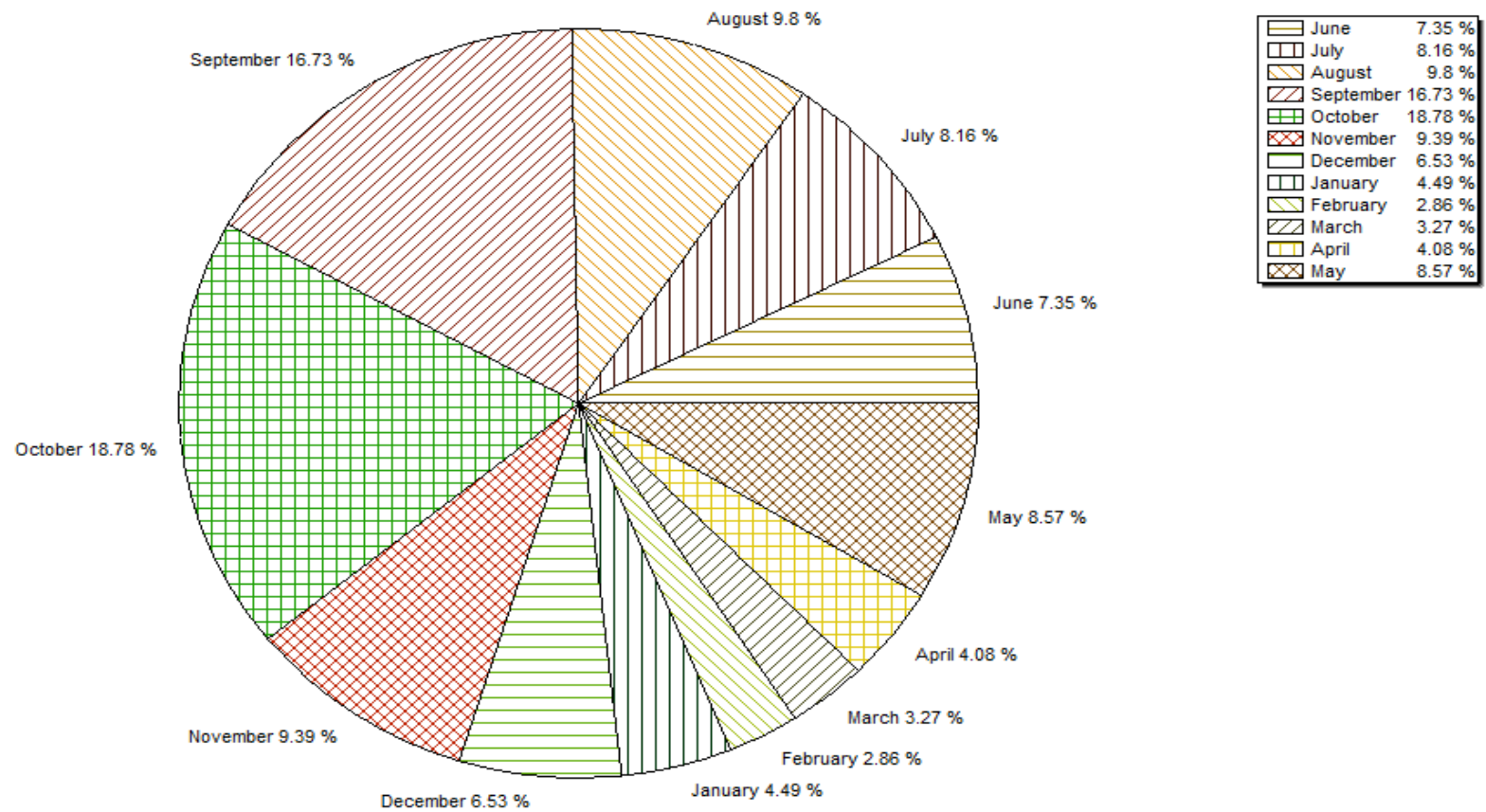


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : T. Bekuppe (T. BEKUPPE)
Local River : Arkavathi

Monthly Average Runoff based on period : 2004-2018

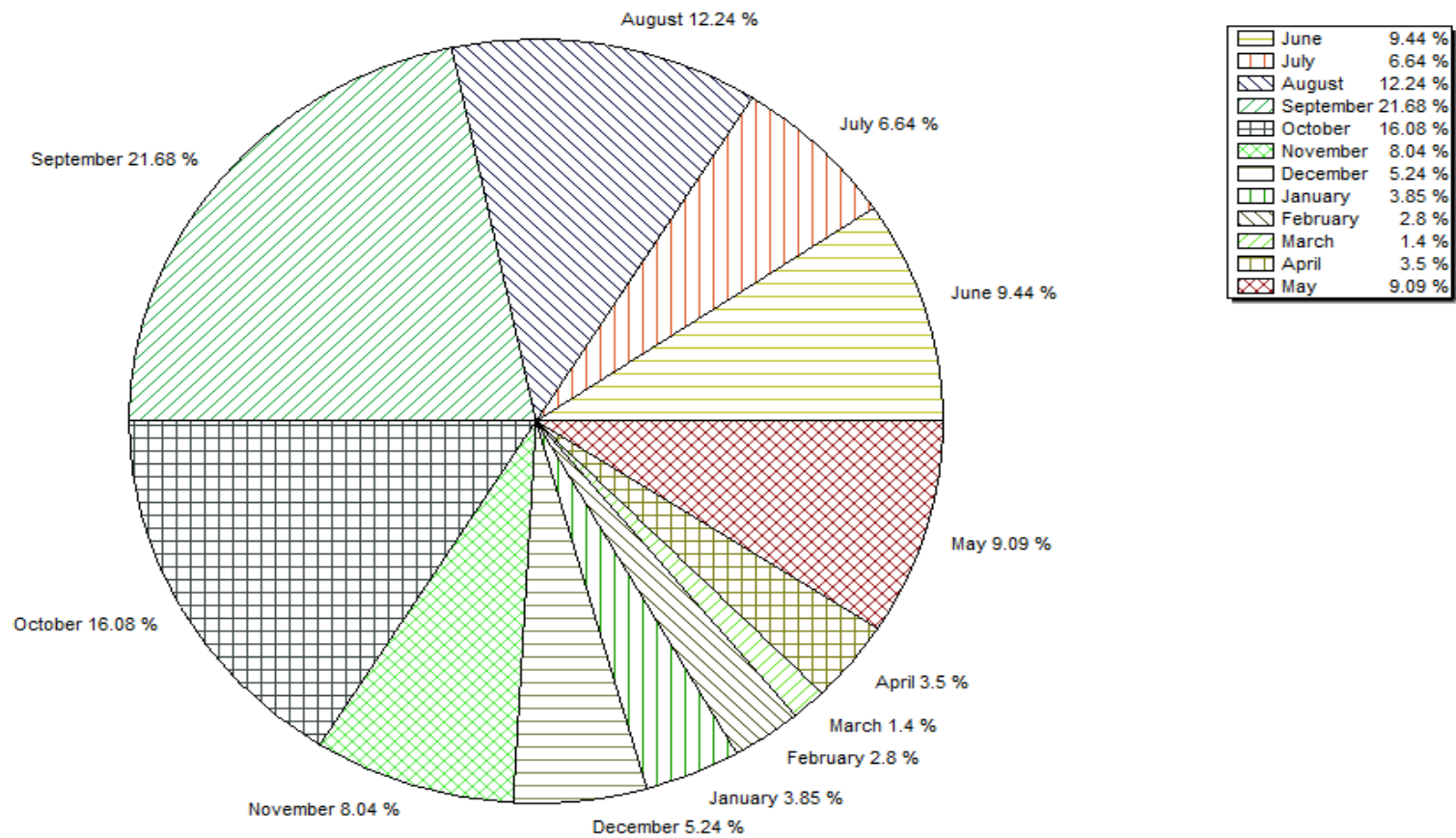
Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Station Name : T. Bekuppe (T. BEKUPPE)
Local River : Arkavathi

Monthly Runoff for the Year : 2018-2019

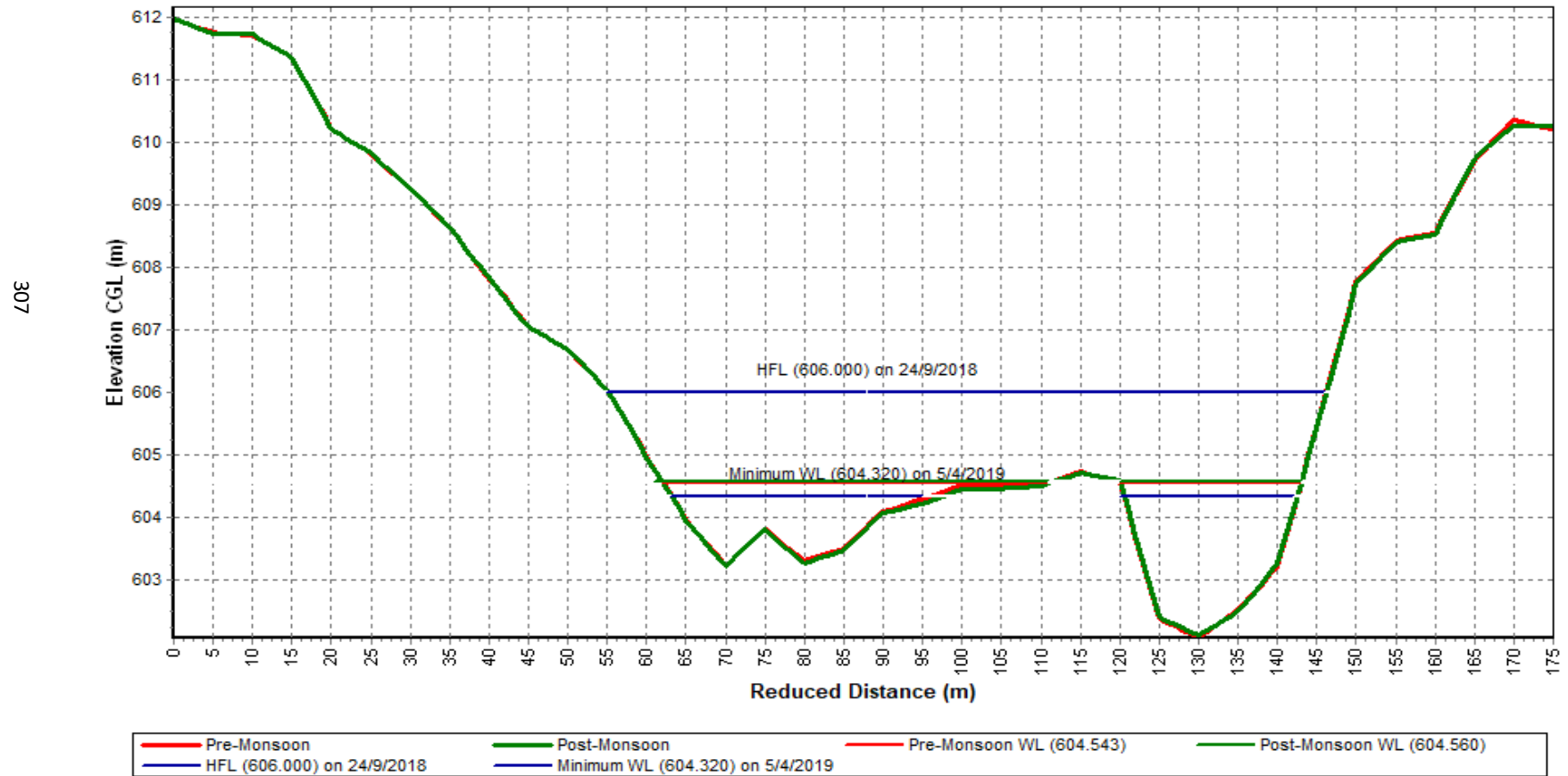
Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : T. Bekuppe (T. BEKUPPE)
Local River : Arkavathi

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



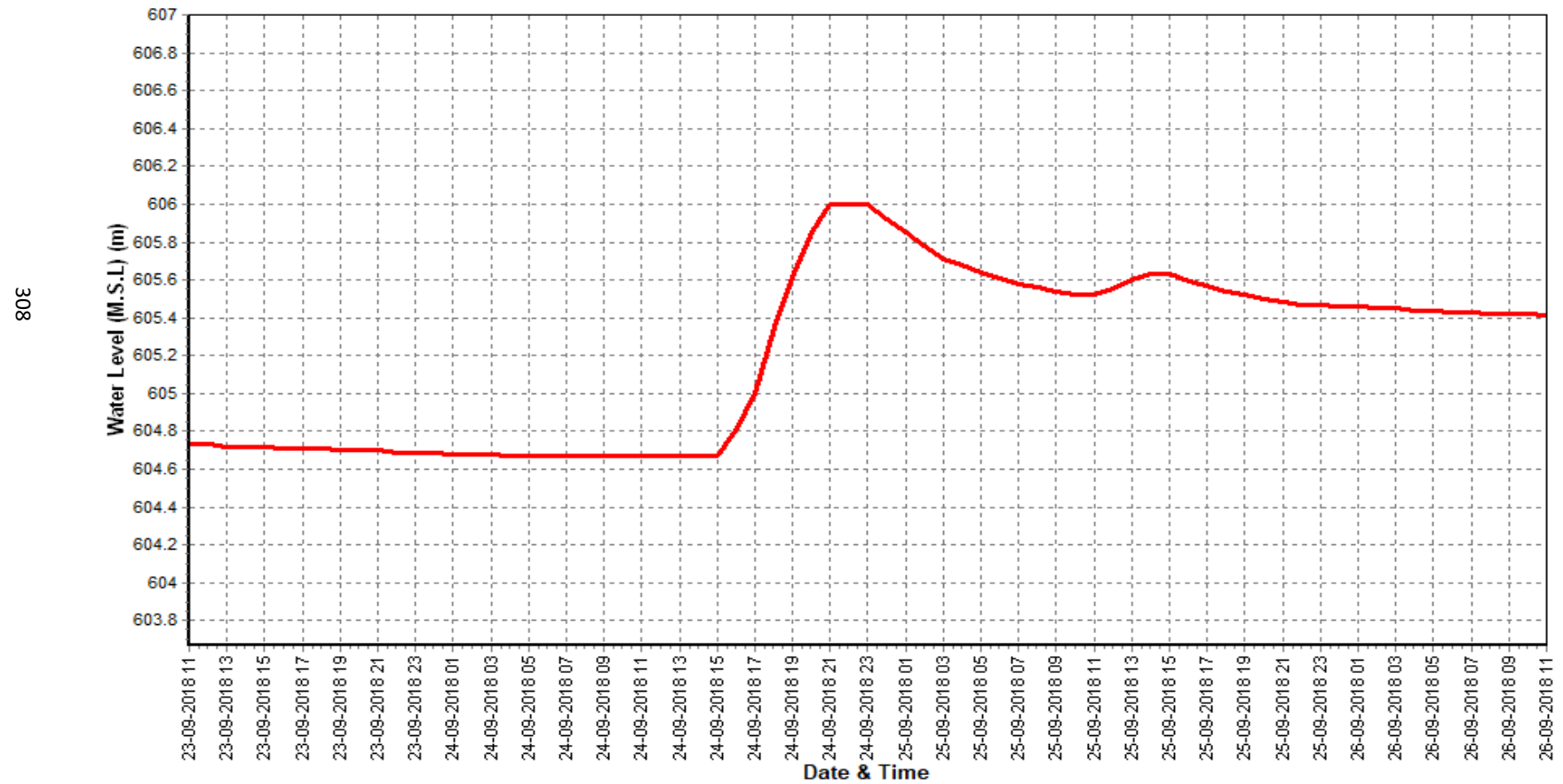
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : T. Bekuppe (T. BEKUPPE)

Local River : Arkavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



Time Span: 72 Hrs

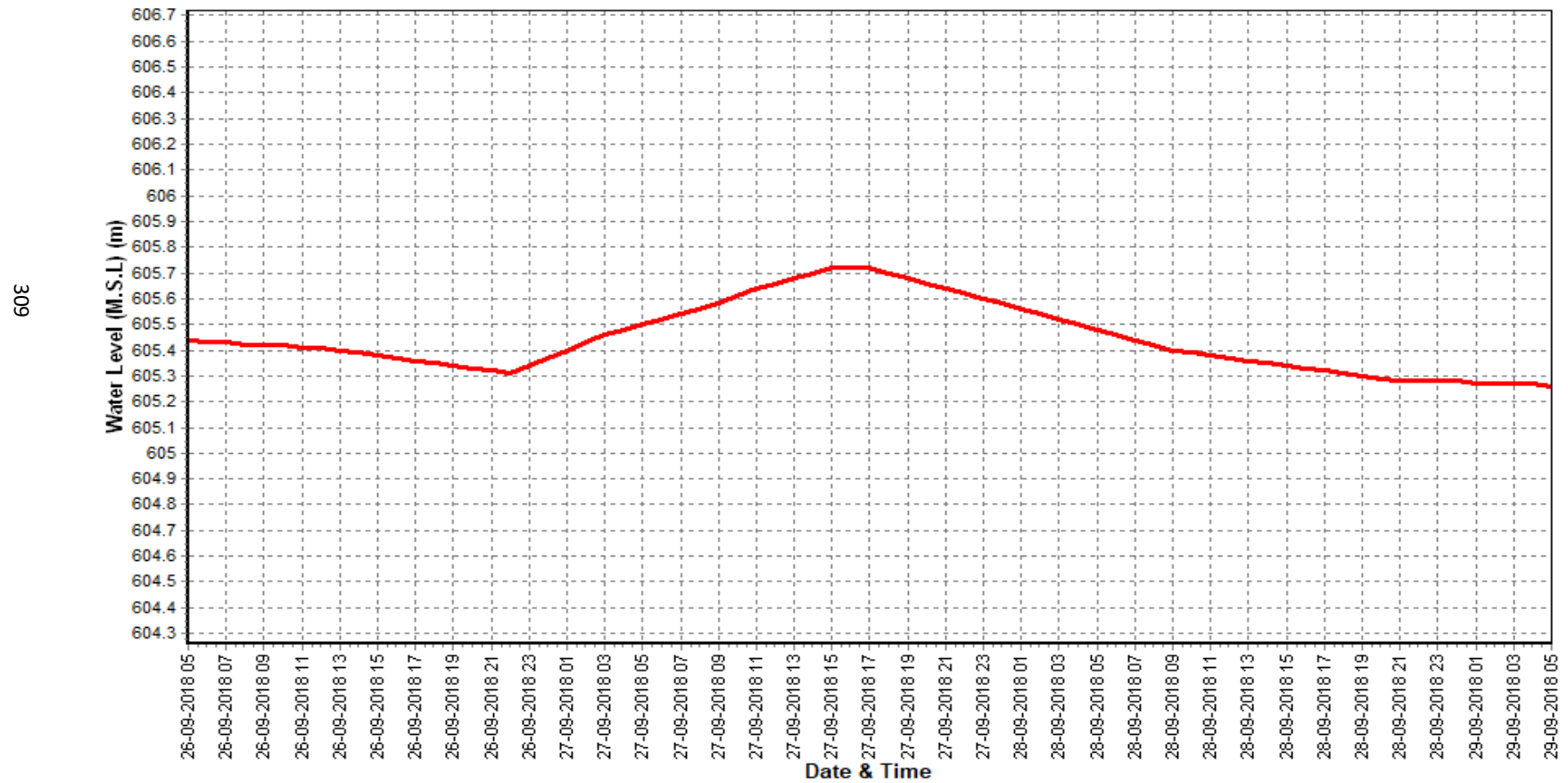
Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : T. Bekuppe (T. BEKUPPE)

Local River : Arkavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

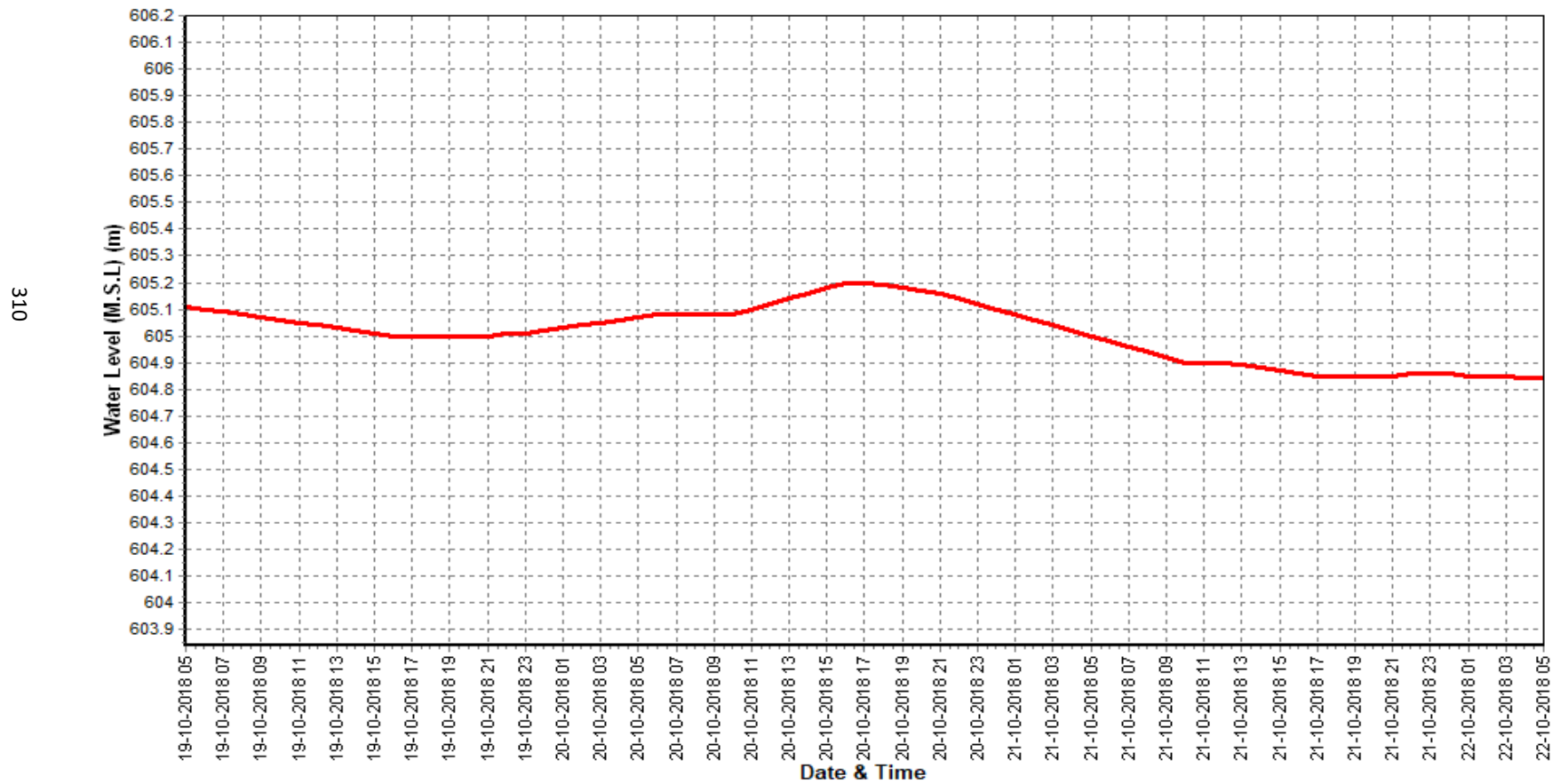


Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : T. Bekuppe (T. BEKUPPE)
Local River : Arkavathi

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Time Span: 72 Hrs

HISTORY SHEET

		Water Year	: 2018-2019
Site	: Kokkedoddy	Code	: 0045-CDBNG
State	: Karnataka	District	Bangalore Rural
Basin	: Cauvery	Independent River	: Cauvery
Tributary	: Arkavathi	Sub Tributary	:
Sub-Sub Tributary	:	Local River	: Arkavathy
Division	: Cauvery Division, Bangalore	Sub-Division	: Upper Cauvery SD, Bangalore
Drainage Area	: 6200 Sq. Km.	Bank	: Left
Latitude	: 12°17'46"	Longitude	: 77°26'25"
Zero of Gauge (m)	: 369.000 (Arb.)	01-11-2018	
	Opening Date	Closing Date	
Gauge	: 17-02-2017		
Discharge	: 01-11-2018		
Sediment	:		
Water Quality	:		

Stage-Discharge Data for the period 2018 - 2019

Station Name : Kokkedoddy (0045-CDBNG)

Division : Cauvery Division, Bangalore

Local River : Arkavathy

Sub-Division : Upper Cauvery SD, Bangalore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1											370.450	10.53 *
2											370.430	9.693
3											370.440	10.18
4											370.430	9.982 *
5											370.440	10.25
6											370.440	10.40
7											370.430	9.867
8											370.440	10.25 *
9											370.450	10.85
10											370.430	10.13
11											370.200	4.665 *
12											369.950	0.999
13											369.960	1.122
14											369.940	1.005
15											369.980	1.289
16											369.940	1.004
17											369.900	1.278
18											369.900	1.289 *
19											369.900	1.103
20											370.400	9.170
21											369.900	1.289 *
22											369.920	1.787
23											369.900	1.289 *
24											370.450	12.24
25											370.450	11.44 *
26											369.940	1.780
27											369.935	1.604
28											370.700	19.86 *
29											369.920	1.611
30											369.910	1.185
31												
<u>Ten-Daily Mean</u>												
I Ten-Daily											370.438	10.21
II Ten-Daily											370.007	2.292
III Ten-Daily											370.102	5.409
<u>Monthly</u>												
Min.											369.900	0.999
Max.											370.700	19.86
Mean											370.182	5.971

Annual Runoff in MCM = 34 Annual Runoff in mm = 6

Peak Observed Discharge = 12.24 cumecs on 24-11-2018 Corres. Water Level :370.45 m

Lowest Observed Discharge = 0.578 cumecs on 15-04-2019 Corres. Water Level :369.815 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Kokkedoddy (0045-CDBNG)

Division : Cauvery Division, Bangalore

Local River : Arkavathy

Sub-Division : Upper Cauvery SD, Bangalore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	369.900	1.072	369.890	1.112	369.900	1.197	369.850	0.738	369.840	0.720	369.850	0.763
2	369.910	1.297 *	369.890	1.031	369.900	1.087	369.860	0.867	369.840	0.671	369.860	0.829
3	369.890	1.079	369.900	1.266	369.890	1.108 *	369.890	1.108 *	369.845	0.739	369.840	0.652
4	369.910	1.235	369.900	1.211	369.900	1.131	369.880	0.967	369.845	0.717	369.840	0.687
5	369.920	1.280	369.900	1.361	369.900	1.243	369.880	1.087	369.850	0.815	369.830	0.641 *
6	369.910	1.324	369.890	1.108 *	369.870	0.941	369.870	0.947	369.860	0.866	369.850	0.727
7	369.910	1.322	369.890	1.070	369.870	0.916	369.880	1.056	369.860	0.856 *	369.840	0.692
8	369.920	1.362	369.890	1.028	369.870	0.964	369.875	0.956	369.860	0.844	369.870	0.895
9	369.920	1.398 *	369.890	1.208	369.870	0.918	369.870	0.906	369.845	0.715	369.855	0.789
10	369.920	1.174	369.880	1.118	369.870	0.936 *	369.860	0.856 *	369.890	1.121	369.865	0.903
11	369.910	1.136	369.890	1.087	369.890	1.143	369.880	0.988	369.860	0.889	369.860	0.828
12	369.900	1.249	369.880	1.116	369.880	1.020 *	369.870	0.940	369.880	1.011	369.850	0.781 *
13	369.900	1.253	369.880	1.020 *	369.880	0.998	369.870	0.917	369.850	0.795	369.875	0.935
14	370.250	7.430 *	369.870	0.910	369.890	1.119	369.855	0.836	369.860	0.856 *	369.920	1.422
15	369.900	1.181	369.880	1.020 *	369.880	1.020	369.850	0.788	369.815	0.578	369.960	1.733
16	369.920	1.398 *	369.880	1.075	369.880	0.948	369.850	0.797	369.830	0.694	370.050	2.896
17	369.880	1.180	369.870	1.029	369.880	1.020 *	369.860	0.856 *	369.850	0.781 *	369.905	1.252
18	369.910	1.306	369.880	1.072	369.880	0.999	369.865	0.930	369.850	0.781 *	369.860	0.856 *
19	369.910	1.294	369.880	1.135	369.870	0.875	369.880	1.053	369.830	0.641 *	369.850	0.781 *
20	369.910	1.127	369.870	0.936 *	369.860	0.866	369.855	0.830	369.830	0.712	369.880	0.986
21	369.960	1.752	369.880	1.092	369.860	0.805	369.860	0.838	369.860	0.856 *	369.850	0.752
22	369.900	1.232	369.850	0.834	369.875	0.947	369.855	0.859	369.890	0.989	369.885	1.058
23	369.900	1.200 *	369.845	0.841	369.860	0.873	369.850	0.777	369.920	1.473	369.880	0.900
24	369.900	1.252	369.850	0.929	369.880	1.020 *	369.860	0.856 *	369.890	1.082	370.150	5.011 *
25	369.900	1.200 *	369.845	0.861	369.870	0.919	369.850	0.770	369.885	1.069	370.110	4.912
26	369.900	1.213	369.850	0.781 *	369.860	0.899	369.840	0.687	369.870	0.934	370.100	4.003 *
27	370.190	5.913 *	369.840	0.709 *	369.855	0.822	369.840	0.677	369.855	0.879	370.150	5.011 *
28	370.150	5.011 *	369.880	1.103	369.865	0.865	369.835	0.723	369.830	0.641 *	369.875	0.974
29	369.890	1.058	369.920	1.392			369.830	0.676	369.835	0.651	369.865	0.829
30	369.890	1.108 *	369.910	1.172			369.840	0.727	369.835	0.634	370.100	4.724
31	369.900	1.297	369.910	1.256			369.850	0.781 *			370.170	5.452 *
Ten-Daily Mean												
I Ten-Daily	369.911	1.254	369.892	1.151	369.884	1.044	369.871	0.949	369.853	0.806	369.850	0.758
II Ten-Daily	369.939	1.855	369.878	1.040	369.879	1.001	369.864	0.894	369.846	0.774	369.901	1.247
III Ten-Daily	369.953	2.021	369.871	0.997	369.866	0.894	369.846	0.761	369.867	0.921	370.012	3.057
Monthly												
Min.	369.880	1.058	369.840	0.709	369.855	0.805	369.830	0.676	369.815	0.578	369.830	0.641
Max.	370.250	7.430	369.920	1.392	369.900	1.243	369.890	1.108	369.920	1.473	370.170	5.452
Mean	369.935	1.72	369.880	1.061	369.877	0.986	369.860	0.864	369.855	0.834	369.924	1.731

Peak Computed Discharge = 19.86 cumecs on 28-11-2018

Corres. Water Level :370.7 m

Lowest Computed Discharge = 0.641 cumecs on 19-04-2019

Corres. Water Level :369.83 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

Note:Missing values ignored while arriving at Annual Runoff

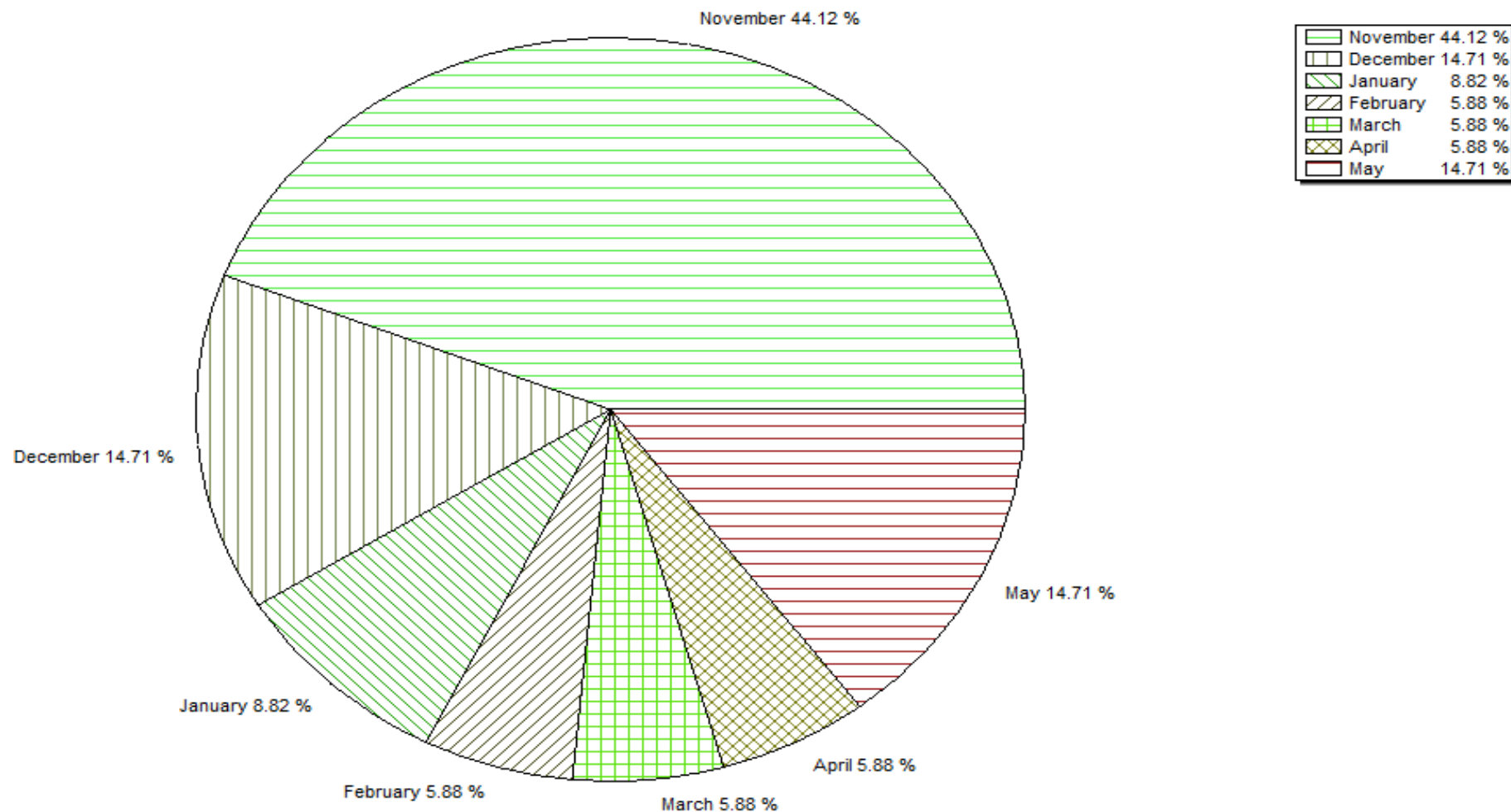
Monthly Runoff for the Year : 2018-2019

Station Name : Kokkedoddy (0045-CDBNG)

Local River : Arkavathy

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

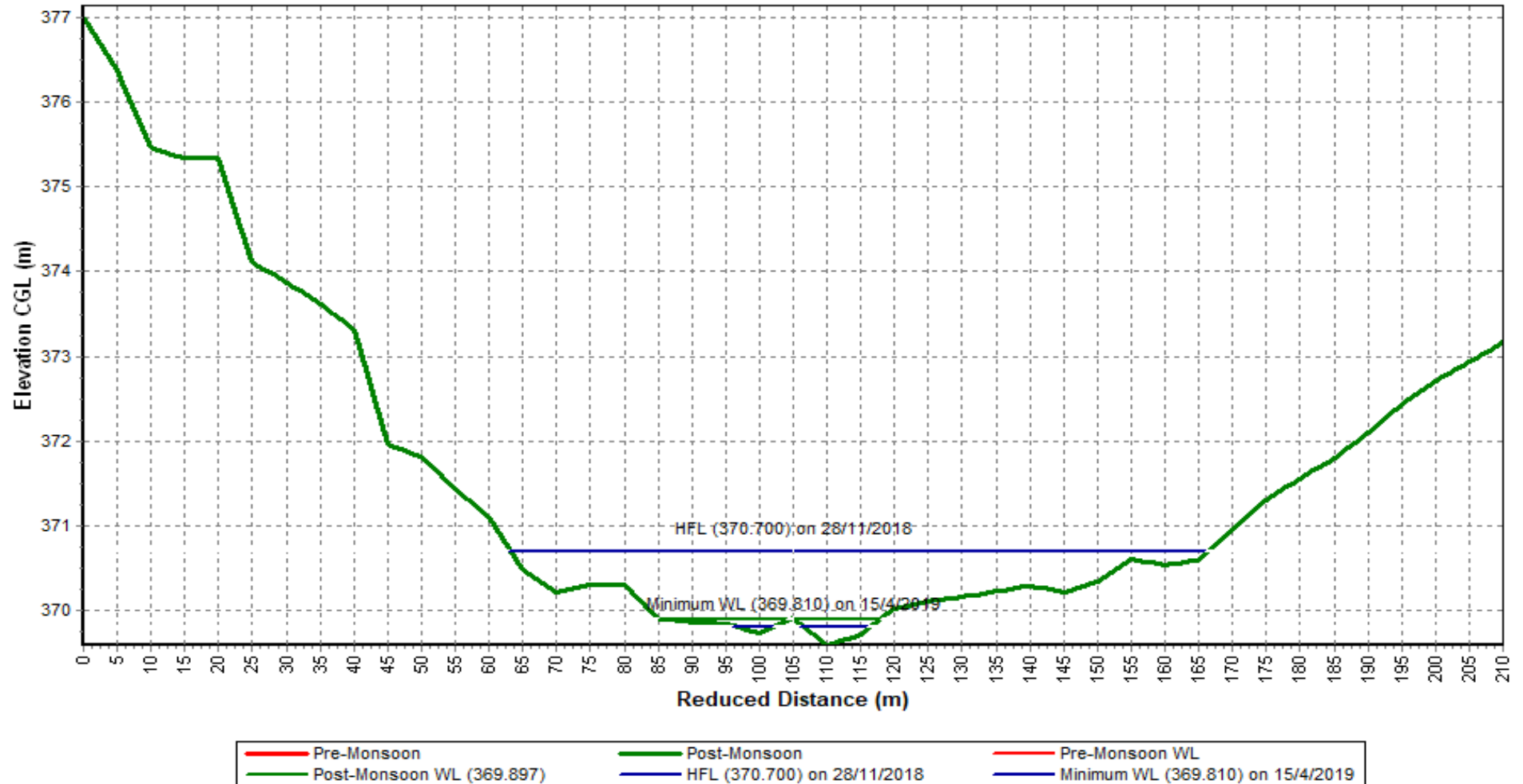


Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : Kokkedoddy (0045-CDBNG)
Local River : Arkavathy

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

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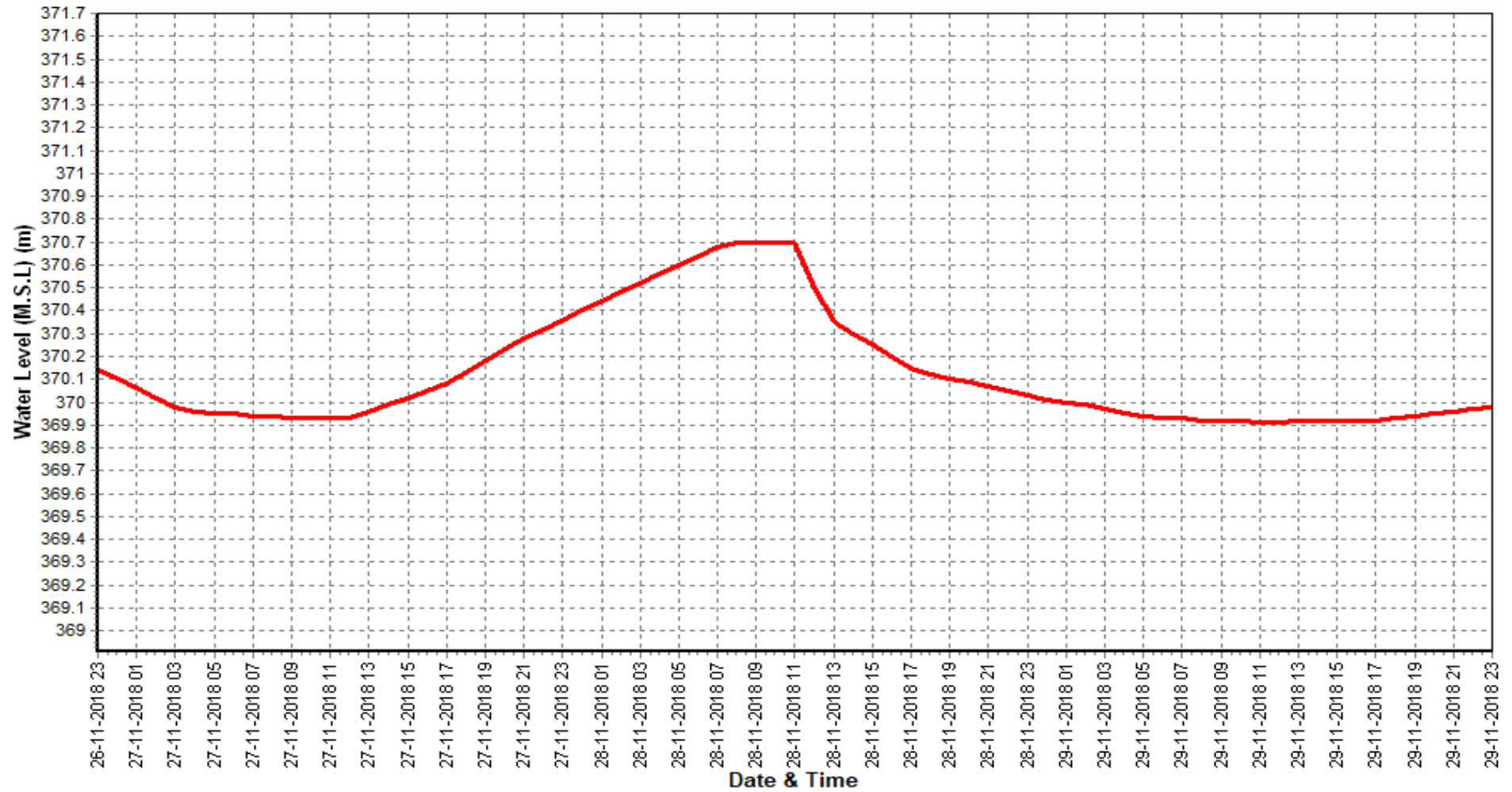
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : Kokkedoddy (0045-CDBNG)

Local River : Arkavathy

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



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Time Span: 72 Hrs

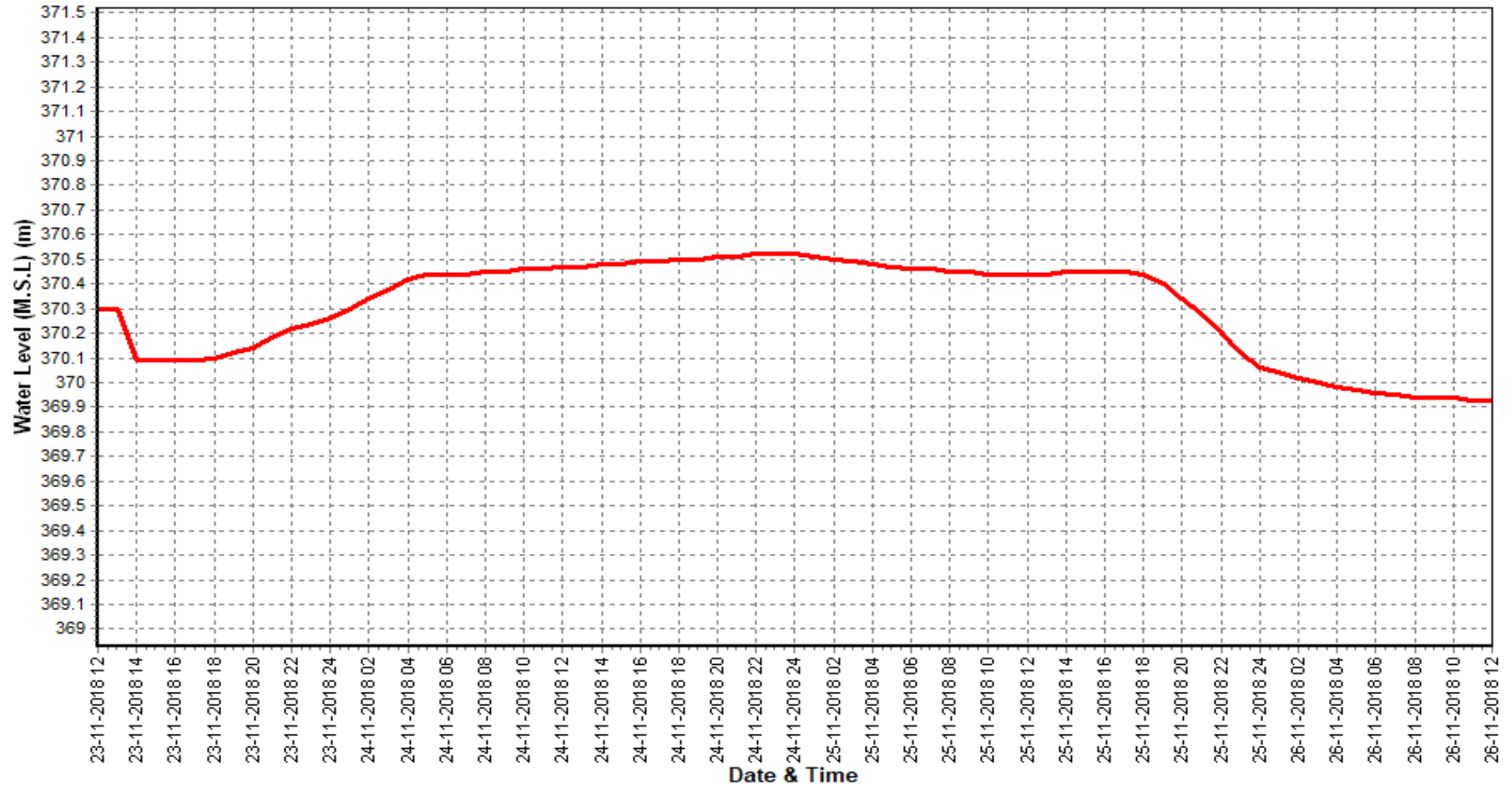
Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : Kokkedoddy (0045-CDBNG)

Local River : Arkavathy

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



Time Span: 72 Hrs

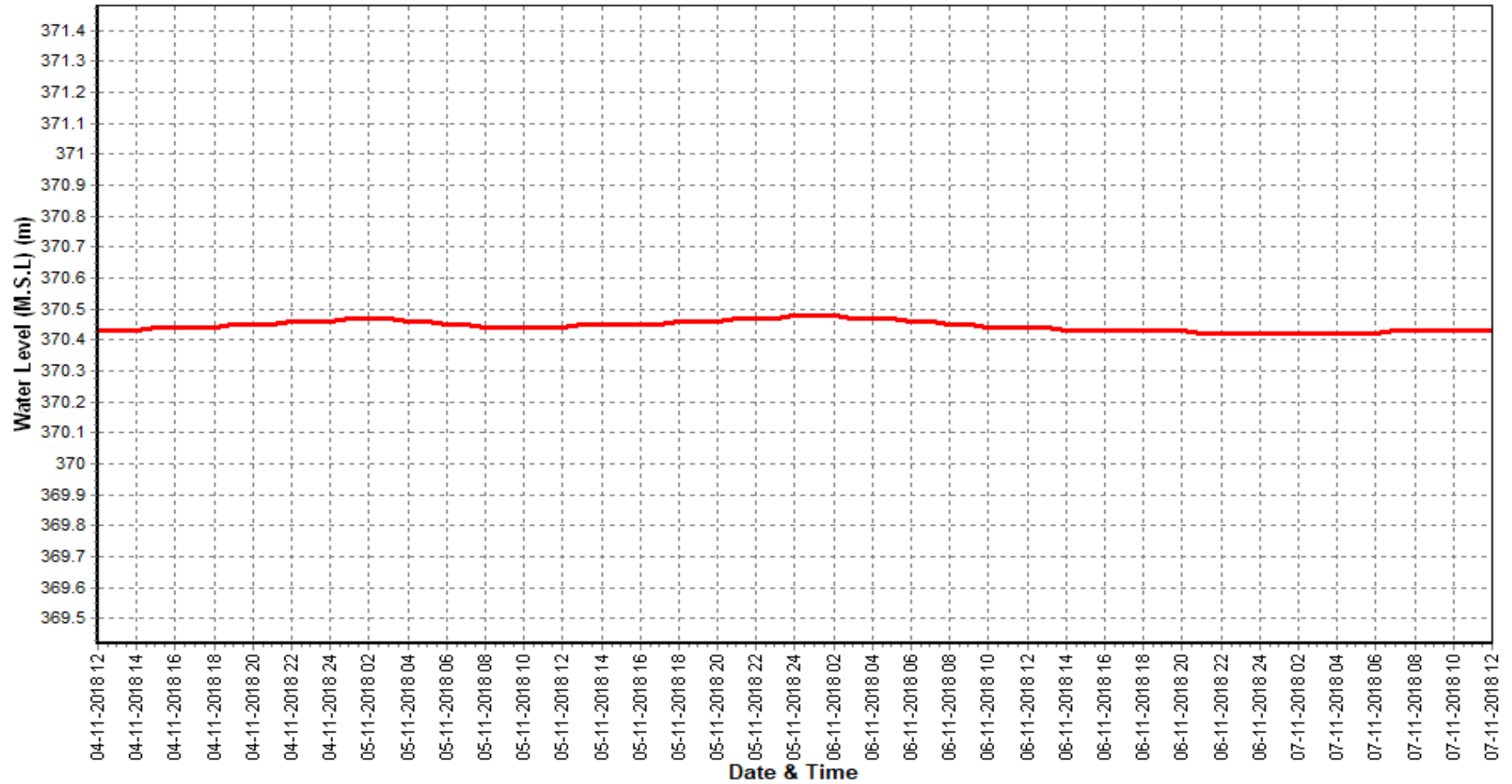
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : Kokkedoddy (0045-CDBNG)

Local River : Arkavathy

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



Time Span: 72 Hrs

HISTORY SHEET

		Water Year	: 2018-2019
Site	: Chikka Malur	Code	: 0048-CDBNG
State	: Karnataka	District	Bangalore Rural
Basin	: Cauvery	Independent River	: Cauvery
Tributary	: Shimsha	Sub Tributary	: Kanva
Sub-Sub Tributary	:	Local River	:
Division	: Cauvery Division, Bangalore	Sub-Division	: Upper Cauvery SD, Bangalore
Drainage Area	: 2275 Sq. Km.	Bank	: Left
Latitude	: 12°39'09"	Longitude	: 77°11'05"
Zero of Gauge (m)	: 653 (Arb)	08-01-2017	
	Opening Date	Closing Date	
Gauge	: 08-01-2017		
Discharge	: 01-11-2018		
Sediment	:		
Water Quality	:		

Stage-Discharge Data for the period 2018 - 2019

Station Name : Chikka Malur (0048-CDBNG)

Division : Cauvery Division, Bangalore

Local River : Kanva

Sub-Division : Upper Cauvery SD, Bangalore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1											654.200	0.000
2											654.170	0.000
3											654.170	0.000
4											654.160	0.000
5											654.160	0.000
6											654.150	0.000
7											654.140	0.000
8											654.140	0.000
9											654.130	0.057
10											654.130	0.051 #
11											654.130	0.055
12											654.120	0.036
13											654.120	0.030
14											654.110	0.028
15											654.110	0.030 #
16											654.100	0.028
17											654.100	0.022
18											654.100	0.022 *
19											654.100	0.025
20											654.100	0.022 #
21											654.100	0.022 *
22											654.100	0.025
23											654.090	0.015 *
24											654.090	0.028
25											654.090	0.015 *
26											654.090	0.015 #
27											654.090	0.015 #
28											654.090	0.015 #
29											654.090	0.014
30											654.090	0.016
31												
<u>Ten-Daily Mean</u>												
I Ten-Daily											654.155	0.011
II Ten-Daily											654.109	0.030
III Ten-Daily											654.092	0.018
<u>Monthly</u>												
Min.											654.090	0.000
Max.											654.200	0.057
Mean											654.119	0.02

Annual Runoff in MCM = 0 Annual Runoff in mm = 0

Peak Observed Discharge = 0.057 cumecs on 09-11-2018

Corres. Water Level :654.13 m

Lowest Observed Discharge = 0.000 cumecs on 01-11-2018

Corres. Water Level :654.2 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Chikka Malur (0048-CDBGNG)

Division : Cauvery Division, Bangalore

Local River : Kanva

Sub-Division : Upper Cauvery SD, Bangalore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	654.090	0.014	654.080	0.000	654.060	0.000	654.030	0.000		0.000		0.000
2	654.090	0.015 *	654.080	0.000	654.060	0.000	654.030	0.000		0.000		0.000
3	654.090	0.014	654.080	0.000	654.060	0.000	654.030	0.000		0.000		0.000
4	654.090	0.014	654.080	0.000	654.060	0.000		0.000		0.000		0.000
5	654.090	0.013	654.080	0.000	654.050	0.000		0.000		0.000		0.000
6	654.090	0.015	654.080	0.000	654.050	0.000		0.000		0.000		0.000
7	654.090	0.017	654.080	0.000	654.050	0.000		0.000		0.000		0.000
8	654.090	0.017	654.080	0.000	654.050	0.000		0.000		0.000		0.000
9	654.090	0.015 *	654.080	0.000	654.050	0.000		0.000		0.000		0.000
10	654.090	0.017	654.080	0.000	654.050	0.000		0.000		0.000		0.000
11	654.090	0.016	654.080	0.000	654.050	0.000		0.000		0.000		0.000
12	654.090	0.016	654.080	0.000	654.050	0.000		0.000		0.000		0.000
13	654.090	0.015	654.080	0.000	654.050	0.000		0.000		0.000		0.000
14	654.090	0.016	654.080	0.000	654.050	0.000		0.000		0.000		0.000
15	654.090	0.017	654.070	0.000	654.050	0.000		0.000		0.000		0.000
16	654.090	0.015 *	654.070	0.000	654.050	0.000		0.000		0.000		0.000
17	654.090	0.012	654.070	0.000	654.050	0.000		0.000		0.000		0.000
18	654.090	0.017	654.070	0.000	654.050	0.000		0.000		0.000		0.000
19	654.090	0.014	654.070	0.000	654.050	0.000		0.000		0.000		0.000
20	654.090	0.015 #	654.070	0.000	654.050	0.000		0.000		0.000		0.000
21	654.090	0.012	654.070	0.000	654.040	0.000		0.000		0.000		0.000
22	654.090	0.011	654.070	0.000	654.040	0.000		0.000		0.000		0.000
23	654.090	0.015 *	654.070	0.000	654.040	0.000		0.000		0.000		0.000
24	654.090	0.015 #	654.060	0.000	654.040	0.000		0.000		0.000		0.000
25	654.090	0.000	654.060	0.000	654.040	0.000		0.000		0.000		0.000
26	654.090	0.000	654.060	0.000	654.030	0.000		0.000		0.000		0.000
27	654.090	0.000	654.060	0.000	654.030	0.000		0.000		0.000		0.000
28	654.090	0.000	654.060	0.000	654.030	0.000		0.000		0.000		0.000
29	654.090	0.000	654.060	0.000				0.000		0.000		0.000
30	654.090	0.000	654.060	0.000				0.000		0.000		0.000
31	654.090	0.000	654.060	0.000				0.000				0.000
Ten-Daily Mean												
I Ten-Daily	654.090	0.015	654.080	0.000	654.054	0.000	654.030	0.000		0.000		0.000
II Ten-Daily	654.090	0.015	654.074	0.000	654.050	0.000		0.000		0.000		0.000
III Ten-Daily	654.090	0.005	654.063	0.000	654.036	0.000		0.000		0.000		0.000
Monthly												
Min.	654.090	0.000	654.060	0.000	654.030	0.000	654.030	0.000		0.000		0.000
Max.	654.090	0.017	654.080	0.000	654.060	0.000	654.030	0.000		0.000		0.000
Mean	654.090	0.012	654.072	0	654.047	0	654.030	0		0		0

Peak Computed Discharge = 0.022 cumecs on 18-11-2018

Corres. Water Level :654.1 m

Lowest Computed Discharge = 0.015 cumecs on 23-11-2018

Corres. Water Level :654.09 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

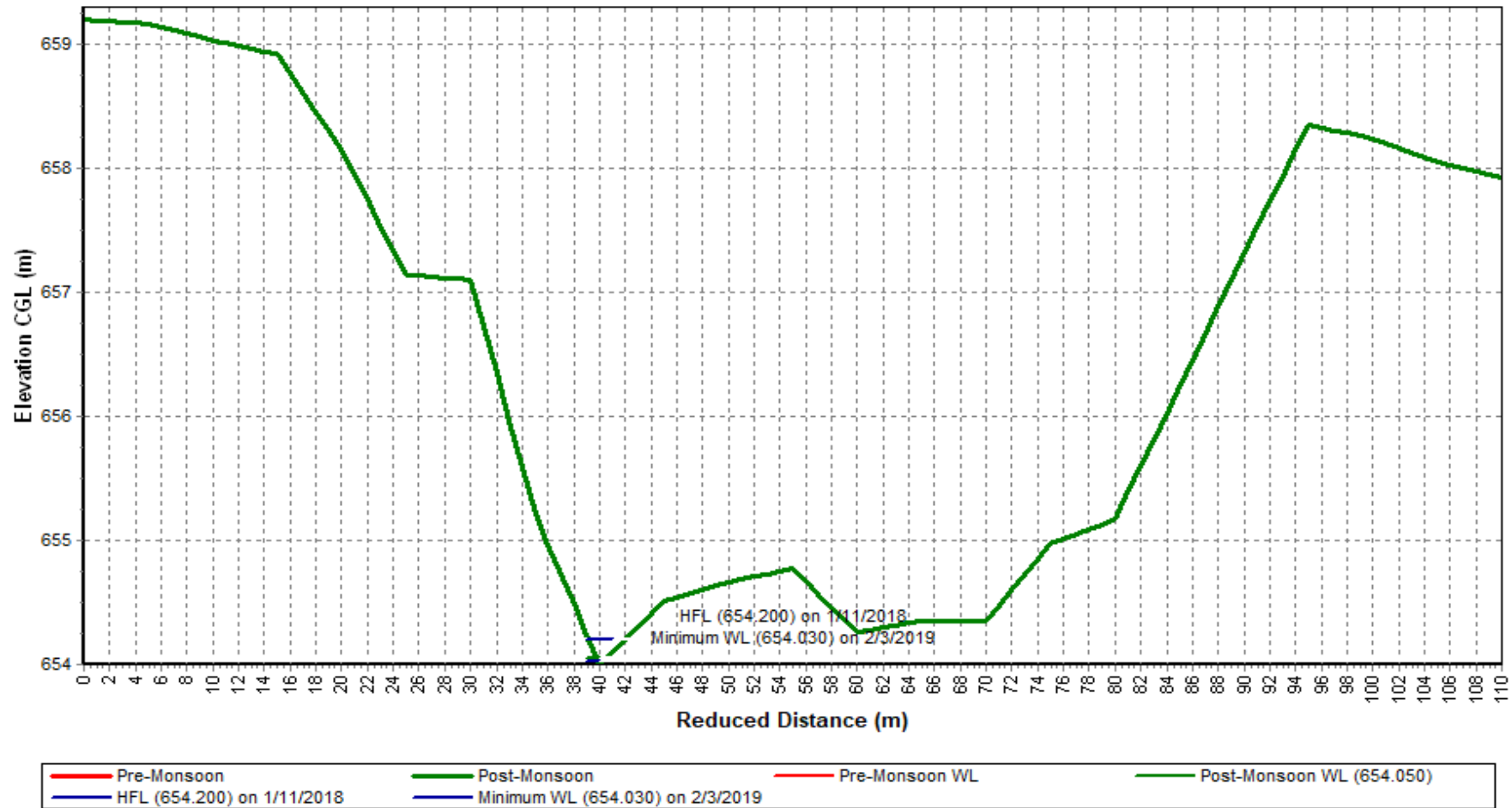
Station Name : Chikka Malur (0048-CDBNG)

Local River : Kanva

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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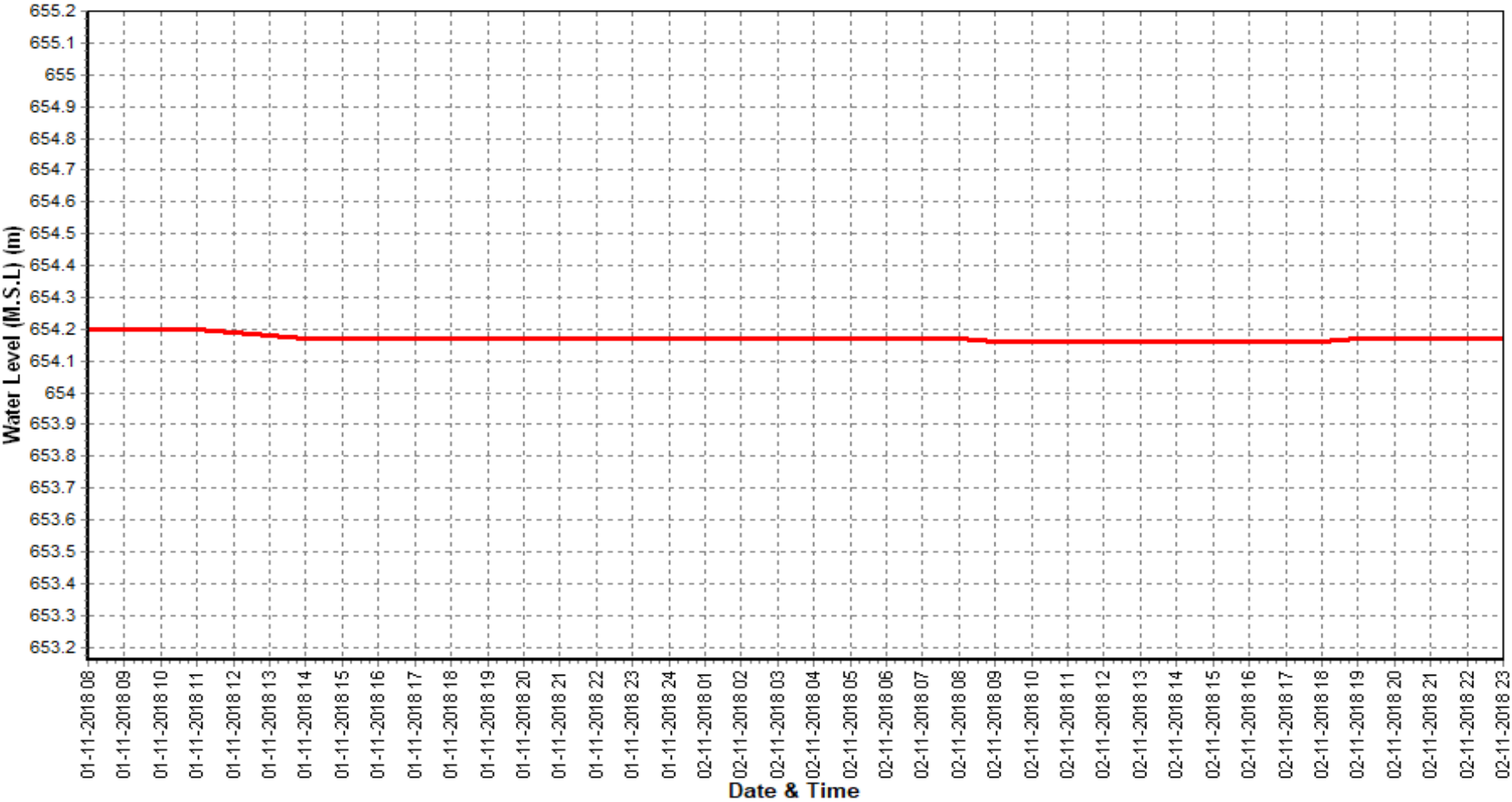


Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : Chikka Malur (0048-CDBNG)
Local River :

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

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Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

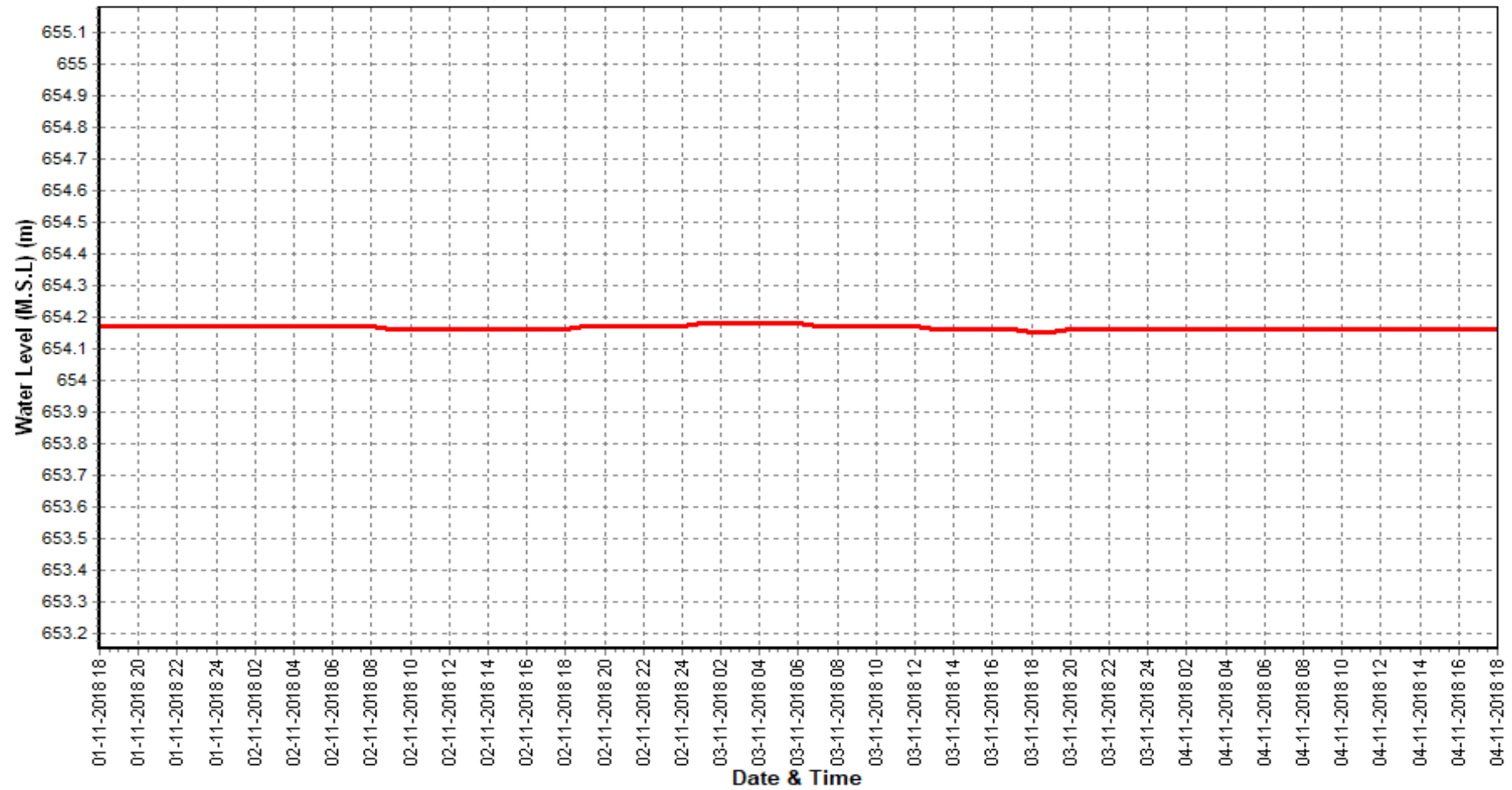
Station Name : Chikka Malur (0048-CDBNG)

Local River :

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

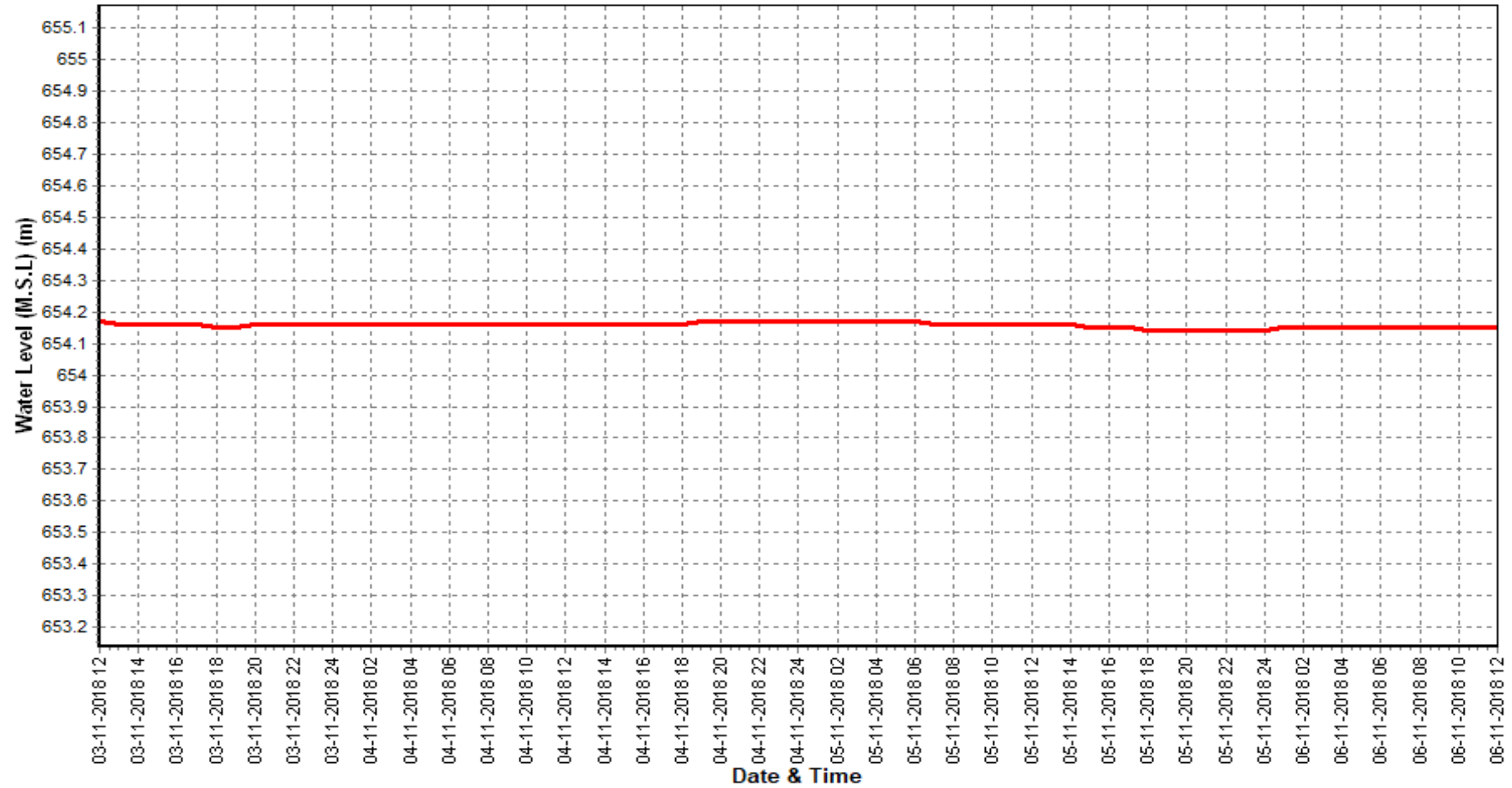
Station Name : Chikka Malur (0048-CDBNG)

Local River :

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Time Span: 72 Hrs

HISTORY SHEET

		Water Year	: 2018-2019
Site	: Chikkarasinakere	Code	: 0046-CDBNG
State	: Karnataka	District	Mandya
Basin	: Cauvery	Independent River	: Cauvery
Tributary	:	Sub Tributary	:
Sub-Sub Tributary	:	Local River	: Cauvery
Division	: Cauvery Division, Bangalore	Sub-Division	: Upper Cauvery SD, Bangalore
Drainage Area	: 280 Sq. Km.	Bank	: Right
Latitude	: 12°30'36"	Longitude	: 77°02'12"
Zero of Gauge (m)	: 609.000 (Arb)	01-11-2018	
	Opening Date	Closing Date	
Gauge	: 25-08-2015		
Discharge	: 01-11-2018		
Sediment	:		
Water Quality	:		

Stage-Discharge Data for the period 2018 - 2019

Station Name : Chikkarasinakere (0046-CDBNG)

Division : Cauvery Division, Bangalore

Local River : Cauvery

Sub-Division : Upper Cauvery SD, Bangalore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1											609.500	
2											609.680	
3											610.800	5.630
4											610.950	9.013 *
5											610.960	8.813
6											610.910	9.317
7											610.880	7.927
8											610.820	6.774 *
9											610.770	6.751
10											610.770	6.059
11											610.770	5.996 *
12											610.797	6.415
13											610.840	6.508
14											610.990	5.061
15											610.978	5.036
16											611.035	6.480
17											611.135	6.701
18											611.160	8.700 *
19											611.180	9.000
20											611.198	9.371
21											611.190	9.299 *
22											611.230	9.800
23											611.250	10.57 *
24											611.210	11.00
25											611.150	8.506 *
26											611.072	8.500
27											611.010	6.424
28											610.960	5.838
29											610.960	5.311
30											610.960	5.296
31												
Ten-Daily Mean												
I Ten-Daily											610.604	7.535
II Ten-Daily											611.008	6.927
III Ten-Daily											611.099	8.054
Monthly												
Min.											609.500	5.036
Max.											611.250	11.00
Mean											610.904	7.503

Annual Runoff in MCM = 49 Annual Runoff in mm = 174

Peak Observed Discharge = 11.00 cumecs on 24-11-2018 Corres. Water Level :611.21 m

Lowest Observed Discharge = 0.258 cumecs on 06-05-2019 Corres. Water Level :610.52 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Chikkarasinakere (0046-CDBNG)

Division : Cauvery Division, Bangalore

Local River : Cauvery

Sub-Division : Upper Cauvery SD, Bangalore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	610.910	4.115	610.645	1.121	610.810	2.532	610.800	2.695	610.800	2.664	610.740	2.734
2	610.970	5.076 *	610.620	1.204	610.850	3.154	610.790	2.474	610.795	2.165	610.610	0.776
3	611.025	6.241	610.590	0.651	610.850	3.241 *	610.780	2.374 *	610.795	2.266	610.560	0.422
4	610.990	5.585	610.580	0.694	610.840	3.130	610.780	2.281	610.795	2.466	610.540	0.357 #
5	611.040	6.521	610.600	0.805	610.810	2.730	610.780	2.330	610.790	2.381	610.510	0.215 *
6	611.090	7.629	610.580	0.677 *	610.810	2.719	610.780	2.261	610.700	1.275	610.520	0.258 #
7	611.080	7.344	610.590	0.849	610.800	2.529	610.790	2.377	610.660	1.095 *	610.520	0.258 #
8	611.030	6.266	610.590	0.852	610.800	2.487	610.800	2.460	610.670	1.275	610.530	0.329
9	610.950	4.740 *	610.580	0.666	610.790	2.450	610.740	1.943 #	610.690	1.470	610.540	0.371
10	610.820	2.688	610.580	0.679	610.780	2.374 *	610.790	2.488 *	610.630	0.783	610.560	0.474 #
11	610.780	2.247	610.560	0.548	610.770	2.179	610.790	2.436	610.550	0.514	610.610	0.841 #
12	610.760	2.014	610.690	1.521	610.660	1.232	610.780	2.241	610.535	0.405	610.710	1.915 *
13	610.750	1.870	610.700	1.559 *	610.620	0.903	610.680	2.373 #	610.535	0.404	610.850	3.898
14	610.690	1.252	610.720	1.756	610.620	0.880	610.680	2.414	610.535	0.419 *	610.945	4.411
15	610.680	1.105	610.700	1.559 *	610.580	0.560	610.640	1.976	610.535	0.414	610.930	3.991
16	610.680	1.384 *	610.730	2.006	610.570	0.511	610.630	1.862	610.520	0.371	610.890	3.392
17	610.650	1.206	610.740	2.036	610.560	0.568 *	610.610	1.767 *	610.550	0.481 *	610.900	3.525
18	610.640	1.076	610.730	1.978	610.560	0.503	610.540	1.359	610.580	0.622 *	610.900	3.492 *
19	610.640	1.064	610.720	1.730	610.550	0.430	610.540	1.359	610.700	1.389 *	610.860	2.907 *
20	610.645	1.143	610.720	1.745 *	610.570	0.585	610.530	1.208	610.615	0.800	610.840	2.702
21	610.640	1.070	610.740	1.914	610.600	0.850	610.520	1.047	610.770	1.998 *	610.850	2.740
22	610.640	1.069 #	610.590	0.735	610.590	0.778	610.520	1.047	610.810	2.417	610.840	2.704
23	610.640	1.069 *	610.550	0.597	610.680	1.466	610.520	0.343	610.810	2.065	610.810	2.352
24	610.700	1.574	610.550	0.593	610.780	2.374 *	610.600	0.726 *	610.810	2.193	610.850	2.820
25	610.700	1.559 *	610.550	0.599	610.750	2.041	610.650	1.079	610.830	2.426	610.850	2.712
26	610.700	1.600	610.530	0.423 *	610.780	2.440	610.730	1.715	610.850	2.682	610.850	2.855 *
27	610.700	1.878	610.750	2.046 *	610.790	2.513	610.785	2.226	610.840	2.601	610.820	2.420
28	610.720	1.813	610.780	2.305	610.800	2.656	610.785	2.359	610.810	2.401 *	610.650	0.875
29	610.700	1.580	610.890	3.730			610.770	1.991	610.840	2.454	610.900	3.551
30	610.700	1.559 *	610.900	4.221			610.800	2.574	610.850	2.736	610.660	1.070
31	610.737	1.939	610.840	3.428			610.800	2.296 *			610.720	1.602
<u>Ten-Daily Mean</u>												
I Ten-Daily	610.990	5.621	610.596	0.820	610.814	2.735	610.783	2.368	610.732	1.784	610.563	0.619
II Ten-Daily	610.692	1.436	610.701	1.644	610.606	0.835	610.642	1.900	610.566	0.582	610.843	3.107
III Ten-Daily	610.689	1.519	610.697	1.872	610.721	1.890	610.680	1.582	610.822	2.397	610.800	2.336
<u>Monthly</u>												
Min.	610.640	1.064	610.530	0.423	610.550	0.430	610.520	0.343	610.520	0.371	610.510	0.215
Max.	611.090	7.629	610.900	4.221	610.850	3.241	610.800	2.695	610.850	2.736	610.945	4.411
Mean	610.787	2.815	610.666	1.459	610.713	1.815	610.701	1.938	610.707	1.588	610.738	2.031

Peak Computed Discharge = 10.57 cumecs on 23-11-2018

Corres. Water Level :611.25 m

Lowest Computed Discharge = 0.215 cumecs on 05-05-2019

Corres. Water Level :610.51 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

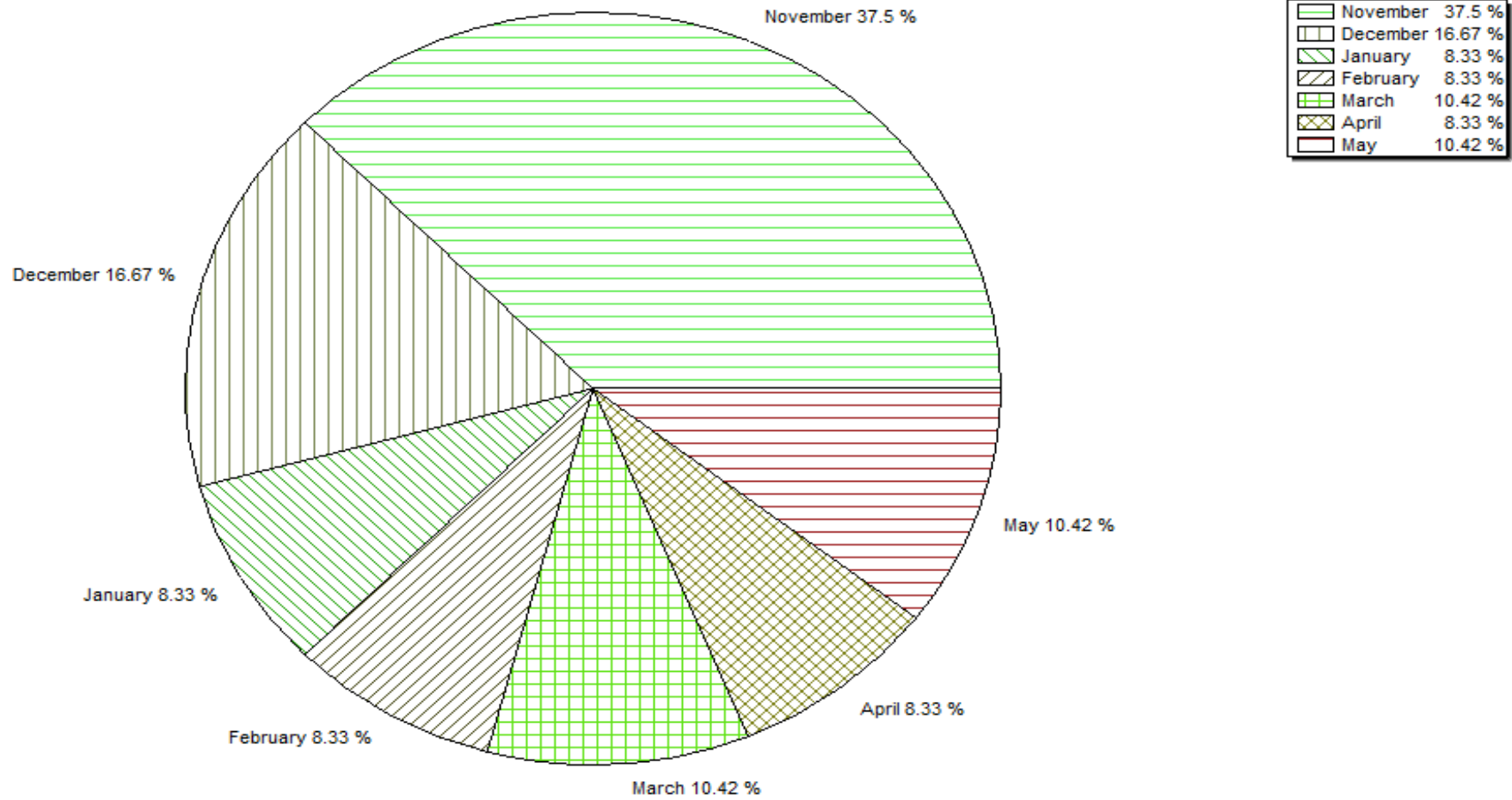
Monthly Runoff for the Year : 2018-2019

Station Name : Chikkarasinakere (0046-CDBNG)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



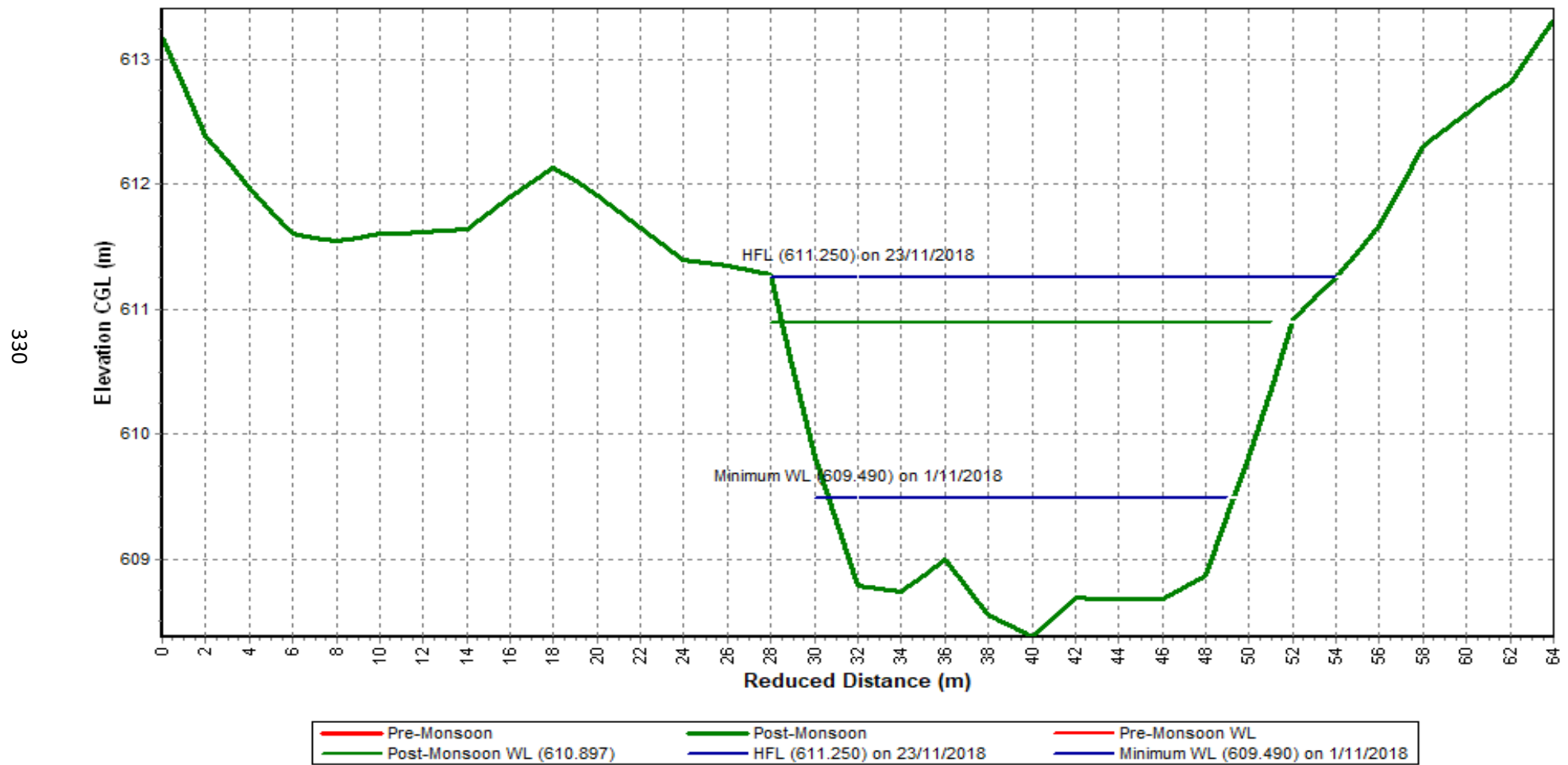
Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : Chikkarasinakere (0046-CDBNG)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

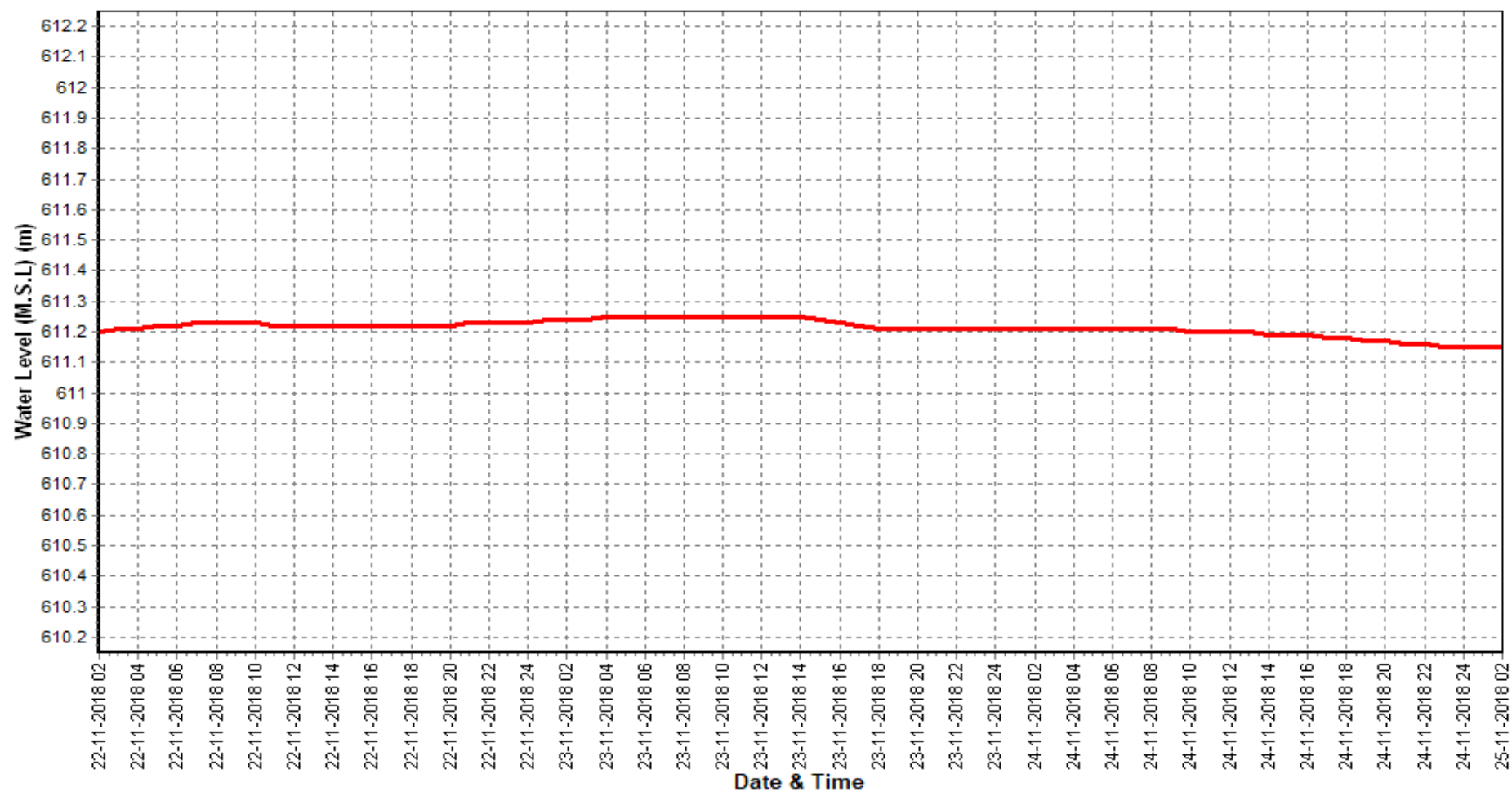
Station Name : Chikkarasinakere (0046-CDBNG)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Time Span: 72 Hrs

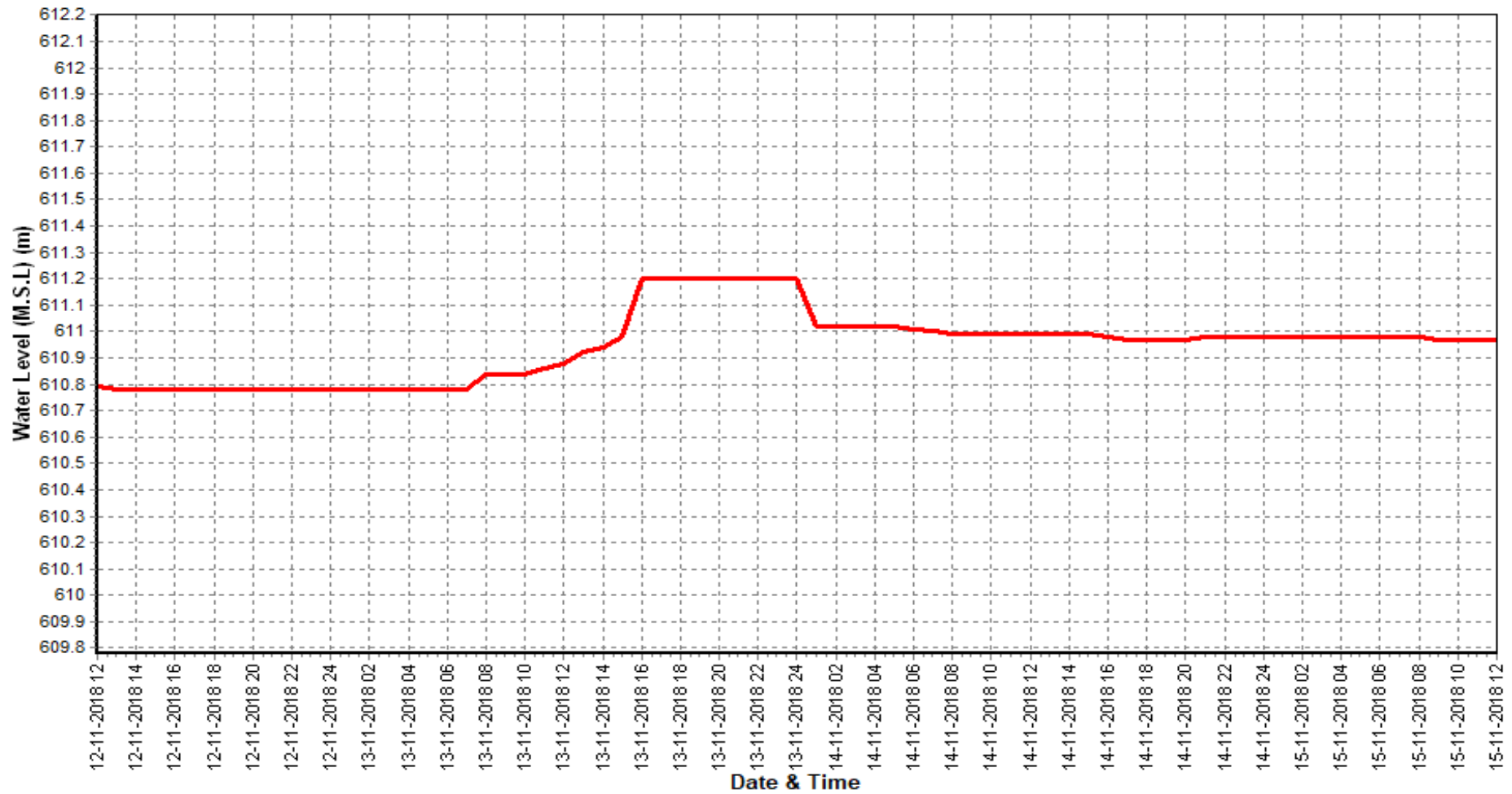
Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : Chikkarasinakere (0046-CDBNG)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

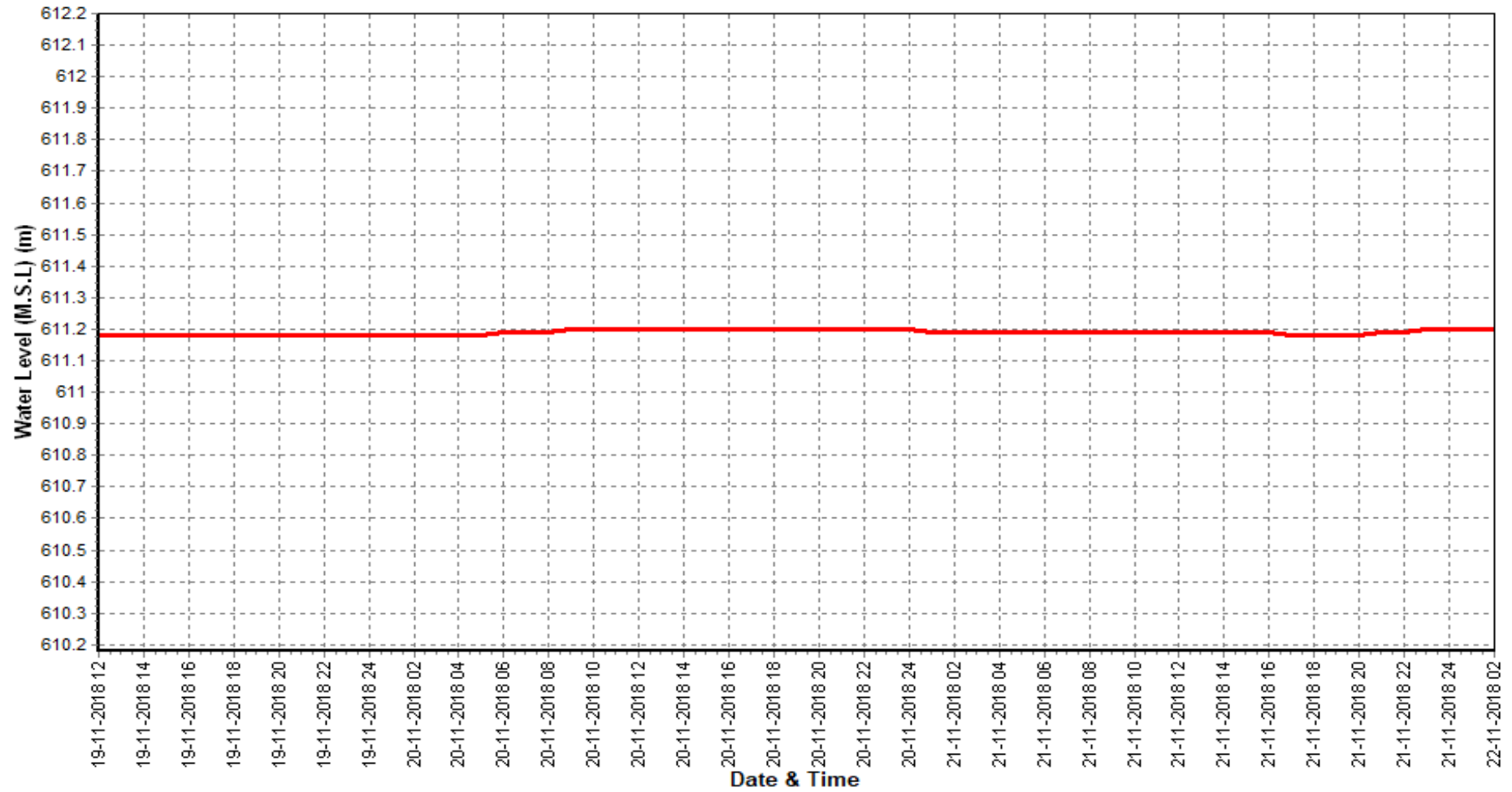
Station Name : Chikkarasinakere (0046-CDBNG)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Time Span: 72 Hrs

HISTORY SHEET

		Water Year	: 2018-2019
Site	: Thoreshttahalli	Code	: 0042-CDBNG
State	: Karnataka	District	Mandya
Basin	: Cauvery	Independent River	: Cauvery
Tributary	: Shimsha	Sub Tributary	:
Sub-Sub Tributary	:	Local River	: Shimsha
Division	: Cauvery Division, Bangalore	Sub-Division	: Upper Cauvery SD, Bangalore
Drainage Area	: 6410 Sq. Km.	Bank	: Right
Latitude	: 12°39'59"	Longitude	: 77°02'24"
Zero of Gauge (m)	: 621 .00(Arb)	01-11-2018	
	Opening Date	Closing Date	
Gauge	: 31-01-2017		
Discharge	: 01-11-2018		
Sediment	:		
Water Quality	:		

Stage-Discharge Data for the period 2018 - 2019

Station Name : Thoreshttahalli (0042-CDBNG)

Division : Cauvery Division, Bangalore

Local River : Shimsha

Sub-Division : Upper Cauvery SD, Bangalore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1											622.400	1.813 *
2											622.350	1.608 *
3											622.270	1.299 *
4											622.220	1.119 *
5											622.280	1.108
6											622.340	1.548
7											622.320	1.828
8											622.320	1.489 *
9											622.330	1.528 *
10											622.220	1.283
11											622.270	1.299 *
12											622.240	1.291
13											622.240	1.190 #
14											622.140	0.853 #
15											622.280	1.239
16											622.280	1.158
17											622.300	1.521
18											622.360	1.648 *
19											622.240	1.248
20											622.350	1.419
21											622.350	1.608 *
22											622.360	1.556
23											622.830	3.946 *
24											622.790	3.844
25											622.810	3.833 *
26											622.810	3.833 *
27											622.730	3.402
28											622.680	3.134
29											622.660	3.288
30											622.680	2.943
31												
<u>Ten-Daily Mean</u>												
I Ten-Daily											622.305	1.462
II Ten-Daily											622.270	1.287
III Ten-Daily											622.670	3.139
<u>Monthly</u>												
Min.											622.140	0.853
Max.											622.830	3.946
Mean											622.415	1.963

Annual Runoff in MCM = 7 Annual Runoff in mm = 1

Peak Observed Discharge = 3.844 cumecs on 24-11-2018

Corres. Water Level :622.79 m

Lowest Observed Discharge = 0.000 cumecs on 17-12-2018

Corres. Water Level :622.06 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Thoreshttahalli (0042-CDBNG)

Division : Cauvery Division, Bangalore

Local River : Shimsha

Sub-Division : Upper Cauvery SD, Bangalore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	622.440	2.002	622.060	0.000	621.890	0.000	621.840	0.000	621.715	0.000	621.465	0.000
2	622.400	1.906 *	622.050	0.000	621.880	0.000	621.840	0.000	621.710	0.000	621.430	0.000
3	622.240	1.166	622.070	0.000	621.880	0.000	621.840	0.000	621.705	0.000	621.390	0.000
4	622.330	1.453	622.040	0.000	621.880	0.000	621.840	0.000	621.695	0.000	621.330	0.000
5	622.450	1.912	622.060	0.000	621.880	0.000	621.840	0.000	621.690	0.000	621.260	0.000
6	622.300	1.135	622.020	0.000	621.880	0.000	621.840	0.000	621.685	0.000	621.195	0.000
7	622.310	1.462	622.000	0.000	621.860	0.000	621.840	0.000	621.680	0.000	621.140	0.000
8	622.320	1.533	622.020	0.000	621.860	0.000	621.840	0.000	621.665	0.000	621.105	0.000
9	622.350	1.572 *	622.020	0.000	621.860	0.000	621.840	0.000	621.670	0.000	621.060	0.000
10	622.240	1.139	622.000	0.000	621.850	0.000	621.830	0.000	621.660	0.000	621.030	0.000
11	622.180	0.588	621.960	0.000	621.840	0.000	621.820	0.000	621.650	0.000		0.000
12	622.130	0.377	621.980	0.000	621.840	0.000	621.820	0.000	621.650	0.000		0.000
13	622.120	0.365	622.000	0.000	621.840	0.000	621.820	0.000	621.635	0.000		0.000
14	622.100	0.179	621.970	0.000	621.840	0.000	621.800	0.000	621.630	0.000		0.000
15	622.080	0.142	622.010	0.000	621.840	0.000	621.800	0.000	621.630	0.000		0.000
16	622.070	0.137 *	621.980	0.000	621.840	0.000	621.795	0.000	621.615	0.000		0.000
17	622.060	0.000	621.960	0.000	621.840	0.000	621.790	0.000	621.610	0.000		0.000
18	622.100	0.187 #	621.960	0.000	621.840	0.000	621.790	0.000	621.605	0.000		0.000
19	622.120	0.226 #	621.960	0.000	621.840	0.000	621.790	0.000	621.610	0.000		0.000
20	622.150	0.288	621.950	0.000	621.840	0.000	621.790	0.000	621.605	0.000		0.000
21	622.120	0.226 *	621.980	0.000	621.840	0.000	621.790	0.000	621.600	0.000		0.000
22	622.060	0.000	621.980	0.000	621.840	0.000	621.780	0.000	621.600	0.000		0.000
23	622.060	0.000	621.980	0.000	621.840	0.000	621.770	0.000	621.590	0.000		0.000
24	622.090	0.192	621.960	0.000	621.840	0.000	621.770	0.000	621.585	0.000		0.000
25	622.070	0.000	621.960	0.000	621.840	0.000	621.770	0.000	621.580	0.000		0.000
26	622.060	0.000	621.980	0.000	621.840	0.000	621.760	0.000	621.570	0.000		0.000
27	622.090	0.000	621.960	0.000	621.840	0.000	621.745	0.000	621.570	0.000		0.000
28	622.070	0.000	621.960	0.000	621.840	0.000	621.740	0.000	621.560	0.000		0.000
29	622.040	0.000	621.960	0.000			621.730	0.000	621.545	0.000		0.000
30	622.050	0.000	621.920	0.000			621.730	0.000	621.520	0.000		0.000
31	622.050	0.000	621.860	0.000			621.730	0.000				0.000
Ten-Daily Mean												
I Ten-Daily	622.338	1.528	622.034	0.000	621.872	0.000	621.839	0.000	621.688	0.000	621.241	0.000
II Ten-Daily	622.111	0.249	621.973	0.000	621.840	0.000	621.802	0.000	621.624	0.000		0.000
III Ten-Daily	622.069	0.038	621.955	0.000	621.840	0.000	621.756	0.000	621.572	0.000		0.000
Monthly												
Min.	622.040	0.000	621.860	0.000	621.840	0.000	621.730	0.000	621.520	0.000	621.030	0.000
Max.	622.450	2.002	622.070	0.000	621.890	0.000	621.840	0.000	621.715	0.000	621.465	0.000
Mean	622.169	0.587	621.986	0	621.851	0	621.797	0	621.628	0	621.241	0

Peak Computed Discharge = 3.946 cumecs on 23-11-2018

Corres. Water Level :622.83 m

Lowest Computed Discharge = 0.137 cumecs on 16-12-2018

Corres. Water Level :622.07 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

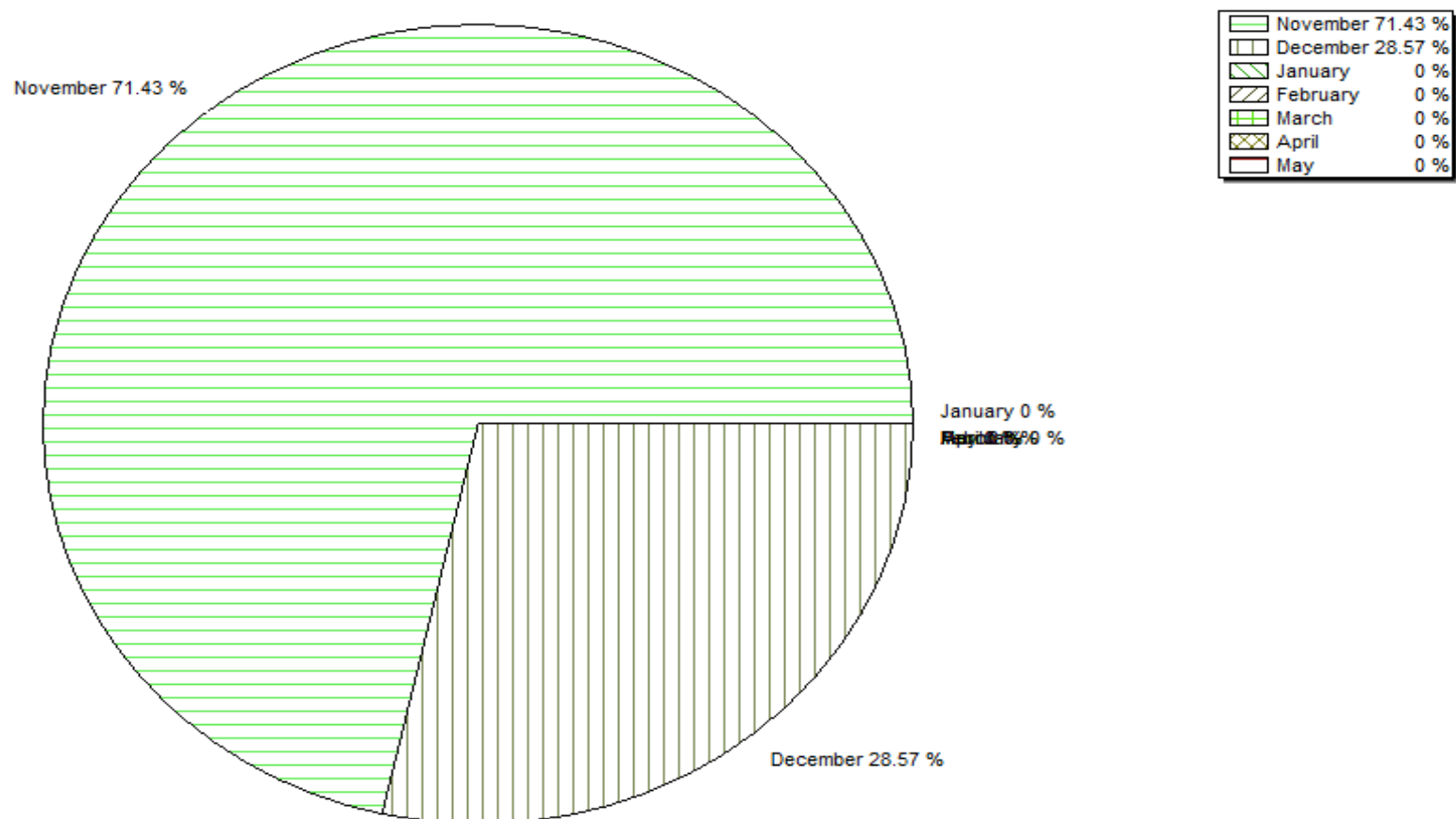
Monthly Runoff for the Year : 2018-2019

Station Name : Thoreshttahalli (0042-CDBNG)

Local River : Shimsha

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

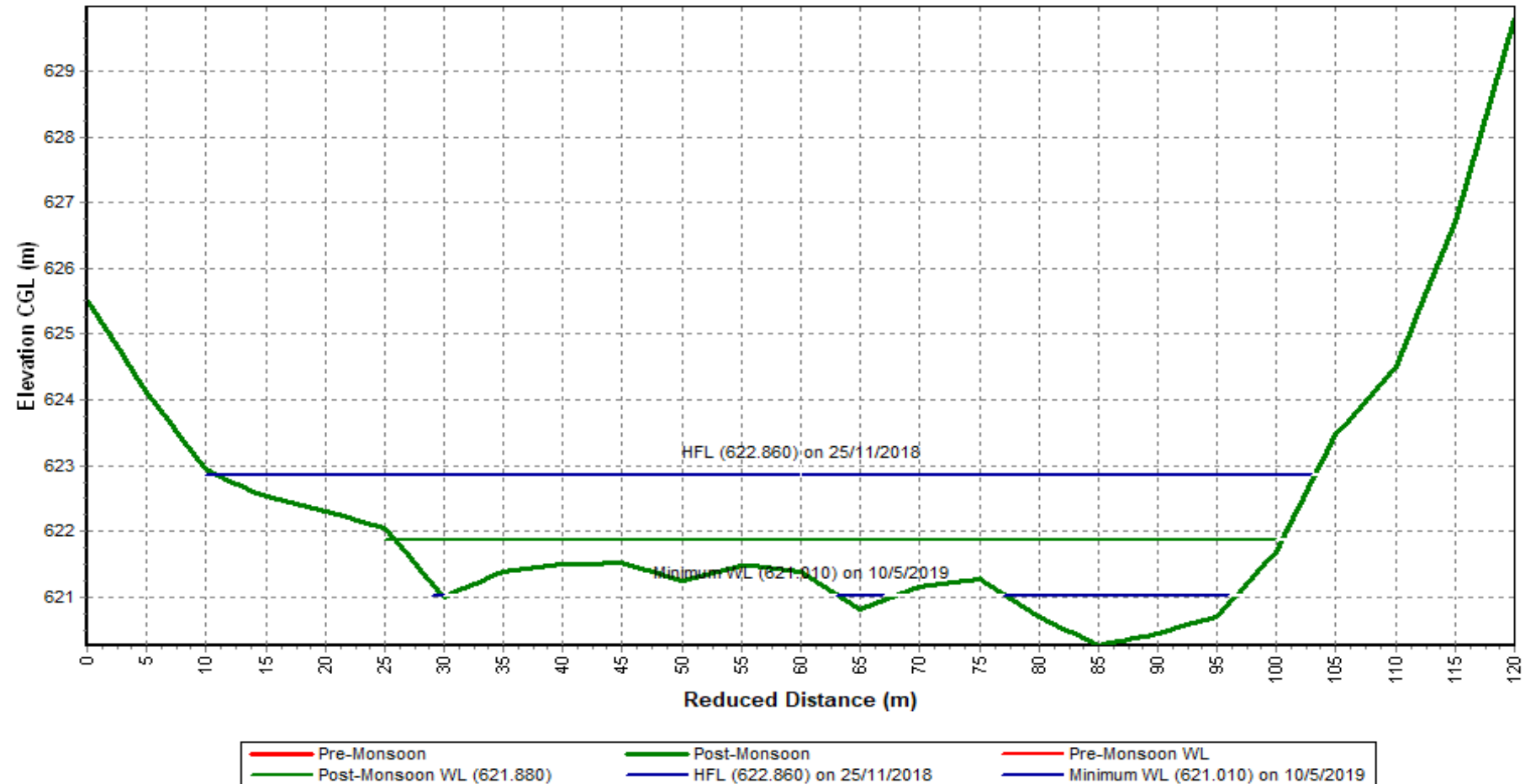


Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : Thoreshttahalli (0042-CDBNG)
Local River : Shimsha

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

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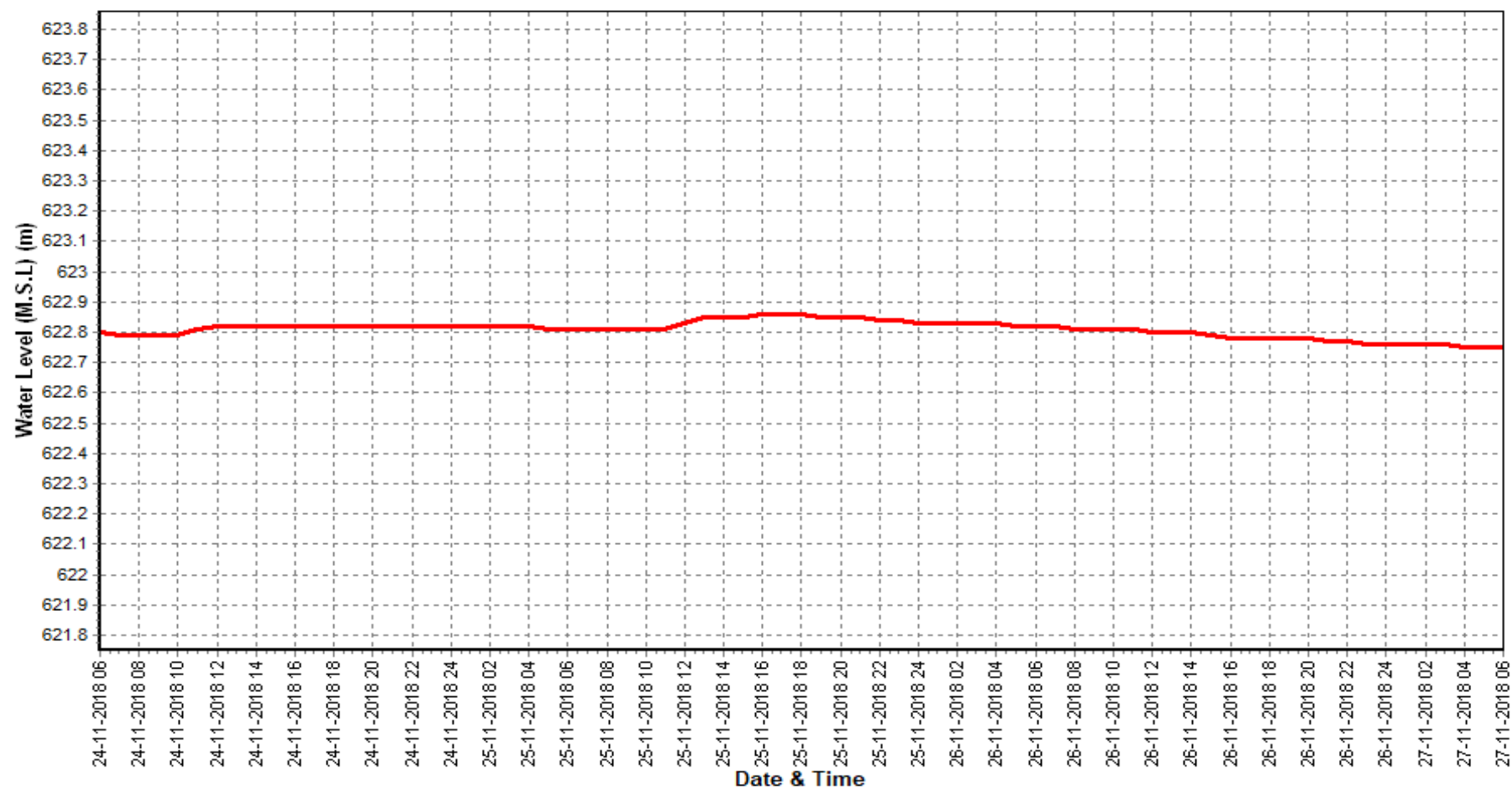
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : Thoreshttahalli (0042-CDBNG)

Local River : Shimsha

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



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Time Span: 72 Hrs

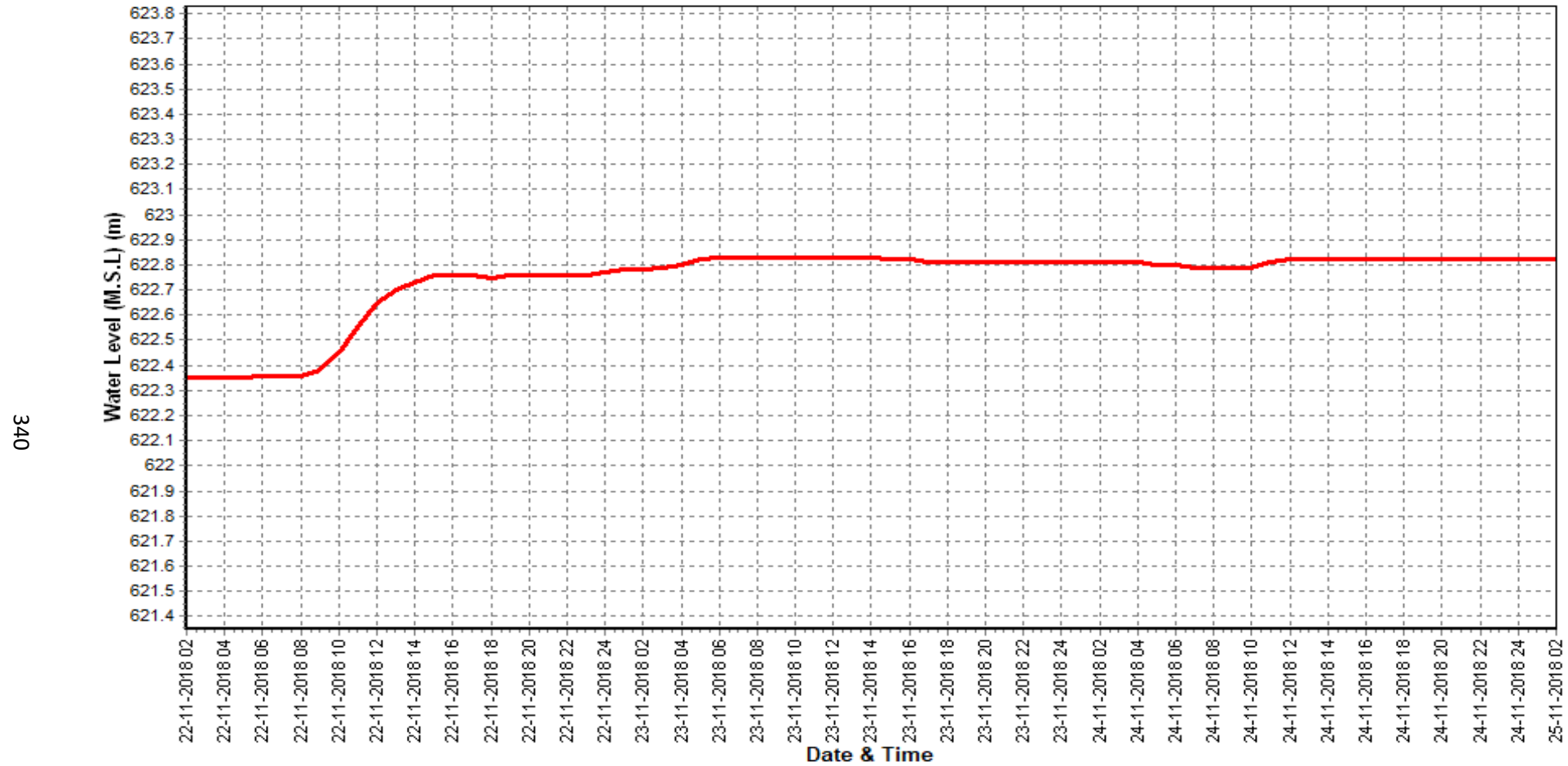
Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : Thoreshttahalli (0042-CDBNG)

Local River : Shimsha

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



Time Span: 72 Hrs

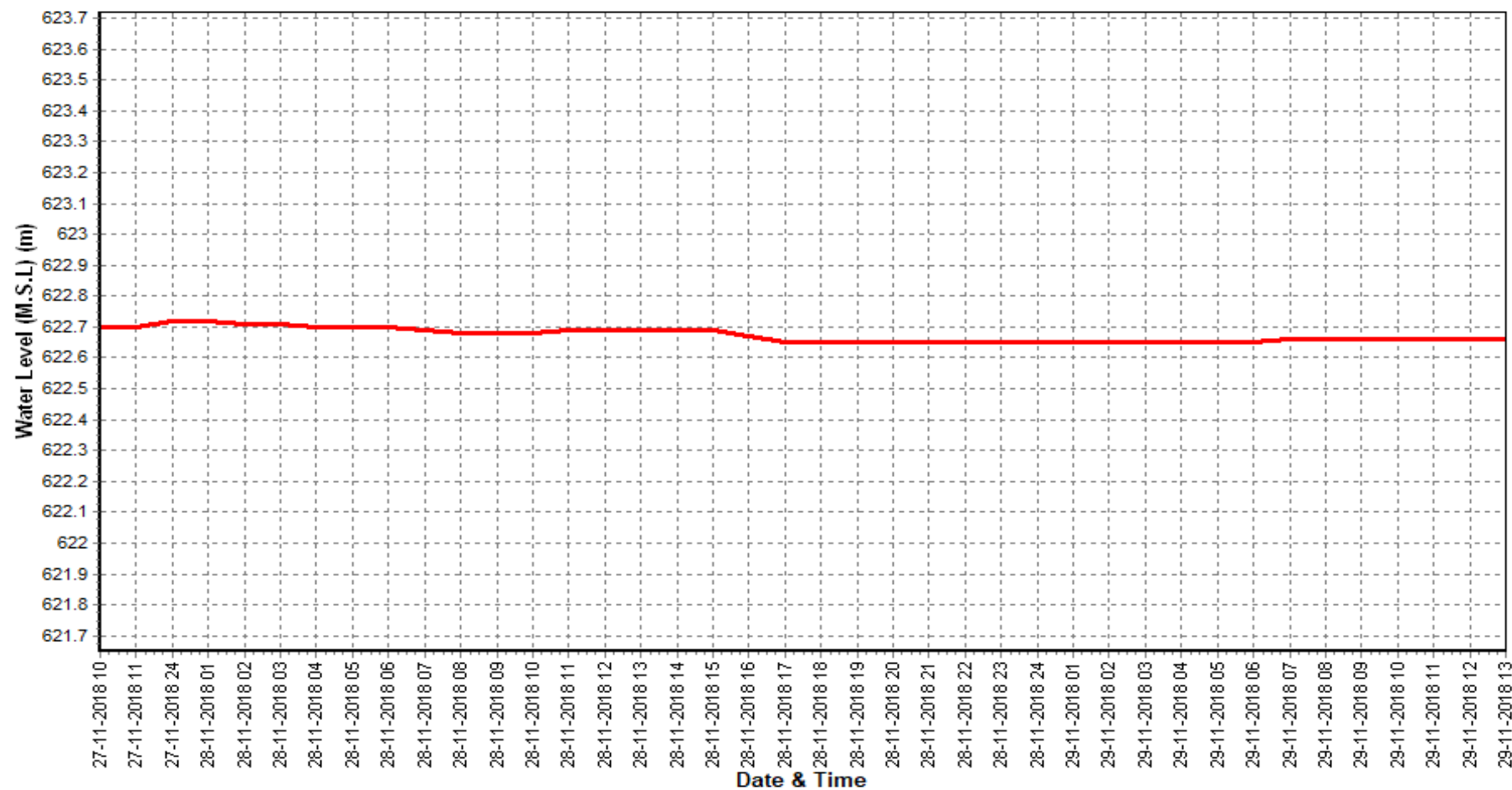
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : Thoreshttahalli (0042-CDBNG)

Local River : Shimsha

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



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Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2018-2019

Site : T.K.Halli

Code : CCM00B9

State : Karnataka

District : Mandya

Basin : Cauvery

Independent River : Cauvery

Tributary : Shimsa

Sub Tributary :

Sub-Sub Tributary :

Local River : Shimsa

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

Drainage Area : 7890 Sq. Km.

Bank : Left

Latitude : 12°25'00"

Longitude : 77°11'33"

Zero of Gauge (m) : 580.000 (m.s.l)

12-06-78

Opening Date

Closing Date

Gauge : 12-06-78

Discharge : 12-06-78

Sediment : 01-06-85

Water Quality : 02-06-79

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1979-1980	377.1	583.950	29-10-79	1.500	581.125	08-03-80
1980-1981	199.0	583.290	22-09-80	2.000	581.185	12-04-81
1981-1982	711.5	585.150	13-09-81	1.600	581.230	13-03-82
1982-1983	114.9	582.772	21-09-82	0.000	581.030	27-04-83
1983-1984	979.9	585.605	12-09-83	0.200	581.045	05-06-83
1984-1985	1219	585.925	03-10-84	1.800	581.130	14-03-85
1985-1986	176.5	583.100	25-09-85	0.000	581.020	06-03-86
1986-1987	614.4	584.458	08-10-86	0.000	Dry Bed	02-04-87
1987-1988	415.0	584.015	09-10-87	0.000	581.035	17-04-88
1988-1989	971.2	585.220	15-09-88	0.000	Dry Bed	05-03-89
1989-1990	482.2	584.213	21-10-89	0.000	581.060	27-02-90
1990-1991	76.50	582.310	25-10-90	0.000	581.015	02-04-91
1991-1992	515.4	584.538	30-10-91	0.000	581.048	21-04-92
1992-1993	222.0	583.324	06-10-92	0.631	581.132	09-04-93
1993-1994	256.1	583.591	08-10-93	2.224	581.180	20-07-93
1994-1995	207.4	583.425	13-10-94	0.971	581.135	29-03-95
1995-1996	151.0	583.160	02-10-95	1.000	581.005	24-03-96
1996-1997	929.1	585.070	19-10-96	0.000	Dry Bed	22-04-97
1997-1998	398.0	583.960	28-11-97	0.000	Dry Bed	01-06-97
1998-1999	525.0	584.560	25-09-98	0.000	580.705	01-04-99
1999-2000	548.2	585.280	26-10-99	0.900	580.705	15-07-99

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2000-2001	558.8	585.665	09-10-00	0.000	Dry Bed	05-03-01
2001-2002	432.6	584.600	26-10-01	0.000	Dry Bed	03-09-01
2002-2003	139.0	582.635	11-10-02	0.000	Dry Bed	03-06-02
2003-2004	173.4	582.800	21-10-03	0.000	Dry Bed	01-06-03
2004-2005	277.5	583.760	16-10-04	0.000	Dry Bed	01-06-04
2005-2006	492.1	585.150	24-10-05	0.000	580.540	01-06-05
2006-2007	247.6	583.075	07-11-06	0.000	Dry Bed	12-03-07
2007-2008	206.1	582.990	25-08-07	0.000	580.500	01-06-07
2008-2009	277.0	583.740	31-08-08	0.029	580.520	04-05-09
2009-2010	946.2	585.080	20-09-09	0.716	580.460	29-07-09
2010-2011	300.0	583.555	08-11-10	0.778	580.550	19-02-11
2011-2012	243.3	583.410	04-11-11	0.000	580.620	18-03-12
2012-2013	158.3	582.820	02-11-12	0.000	580.660	10-06-12
2013-2014	173.9	583.225	10-09-13	0.000	580.480	01-06-13
2014-2015	186.7	583.565	25-09-14	0.000	580.700	14-06-14
2015-2016	449.2	585.220	05-11-15	0.000	580.700	01-07-15
2016-2017	51.24	582.050	15-10-16	0.000	580.770	17-05-17
2017-2018	359.1	584.700	28-09-17	0.000	580.780	01-06-17

Stage-Discharge Data for the period 2018 - 2019

Station Name : T.K.Halli (CCM00B9)

Division : Cauvery Division, Bangalore

Local River : Shimsa

Sub-Division : Upper Cauvery SD, Bangalore

ge Data for the period 2018 - 2019

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	580.660	0.000	580.650	0.000	580.820	0.000	581.685	12.32	582.650	111.6	581.430	8.076
2	580.640	0.000	580.660	0.000	581.080	3.200	581.560	9.453 *	582.580	79.51 *	581.435	8.231
3	580.620	0.000	580.600	0.000	581.310	6.000	581.340	4.610	581.955	24.46	581.240	5.569
4	580.760	0.000	580.610	0.000	581.070	3.330	581.240	4.231	581.955	26.07	581.520	11.34 *
5	580.740	0.000	580.600	0.000	581.000	0.000	581.330	4.600	581.650	11.62 #	581.580	12.93 #
6	580.840	0.000	580.630	0.000	580.930	0.000	581.340	4.620	581.777	21.06	581.540	11.85 #
7	580.760	0.000	580.710	0.000	580.950	0.000	581.215	4.120	581.800	17.94 *	581.520	12.05
8	580.700	0.000	580.630	0.000	580.820	0.000	581.180	3.160	581.840	24.86	581.520	11.34 *
9	580.670	0.000	580.660	0.000	580.730	0.000	581.050	3.004 *	581.900	23.07 *	581.385	7.252
10	580.660	0.000	580.650	0.000	581.040	2.874	581.050	3.051	582.000	26.75	581.285	5.676
11	580.700	0.000	580.640	0.000	580.980	0.000	580.900	1.877 *	581.990	27.17	581.390	8.289 *
12	580.640	0.000	580.690	0.000	581.060	0.000	581.100	3.503	581.860	24.12	581.510	11.78
13	580.660	0.000	580.760	0.000	580.910	0.000	581.530	8.951 *	581.600	9.854 #	581.120	3.614 #
14	580.660	0.000	580.680	0.000	581.240	5.710	581.440	8.993	581.520	7.378 *	581.490	10.87
15	580.660	0.000	580.650	0.000	581.810	14.30 *	581.400	6.960 #	581.845	22.87	581.235	5.329
16	580.670	0.000	580.660	0.000	581.535	9.380	581.360	6.406 *	582.335	55.50	581.480	10.34 #
17	580.610	0.000	580.840	0.000	581.505	8.660	582.480	57.50	583.460	232.1	581.510	12.02
18	580.630	0.000	581.110	4.540	581.385	6.310	582.440	55.96	583.130	156.2 *	581.510	11.08 *
19	580.640	0.000	580.950	2.218 *	581.350	6.272 *	582.125	31.90	582.550	76.16 *	581.290	5.546
20	580.620	0.000	580.990	2.515 #	581.685	14.70	581.770	15.45	582.690	68.81	581.530	12.04
21	580.630	0.000	581.080	3.268 #	581.585	12.49	582.050	32.20 *	582.650	87.64 *	581.530	11.59 *
22	580.600	0.000	581.000	2.593 #	581.530	8.951 *	582.055	30.88	582.065	27.66	581.480	11.29
23	580.610	0.000	580.920	0.000	581.320	6.160	581.810	18.42 *	581.870	22.79	582.020	28.34 *
24	580.680	0.000	580.950	0.000	581.360	5.080	581.785	16.15	581.690	13.15 #	581.895	23.57
25	580.630	0.000	580.930	0.000	581.235	4.210	583.480	236.5	581.520	7.378 #	581.980	26.65 *
26	580.620	0.000	581.065	3.680	581.260	5.141 *	583.135	153.8	581.140	4.617	581.870	18.59
27	580.610	0.000	581.085	3.640	580.940	0.000	583.530	248.1	581.490	11.26	581.795	20.04
28	580.650	0.000	580.950	2.218 *	580.970	0.000	583.350	229.7	581.500	10.83 *	581.645	16.24
29	580.650	0.000	580.890	0.000	581.000	0.000	582.990	129.8	581.260	4.922	581.690	17.27
30	580.600	0.000	581.085	3.380	581.125	4.585	583.000	135.4 *	581.085	3.409	581.700	17.83
31			581.070	3.450	581.050	3.000			581.380	7.804		
Ten-Daily Mean												
I Ten-Daily	580.705	0.000	580.640	0.000	580.975	1.540	581.299	5.317	582.011	36.69	581.445	9.432
II Ten-Daily	580.649	0.000	580.797	0.927	581.346	6.533	581.654	19.75	582.298	68.01	581.407	9.090
III Ten-Daily	580.628	0.000	581.002	2.021	581.216	4.511	582.718	123.1	581.604	18.31	581.760	19.14
Monthly												
Min.	580.600	0.000	580.600	0.000	580.730	0.000	580.900	1.877	581.085	3.409	581.120	3.614
Max.	580.840	0.000	581.110	4.540	581.810	14.70	583.530	248.1	583.460	232.1	582.020	28.34
Mean	580.661	0	580.819	1.016	581.180	4.205	581.891	49.38	581.959	40.27	581.538	12.55

Annual Runoff in MCM = 300 Annual Runoff in mm = 38

Peak Observed Discharge = 248.1 cumecs on 27-09-2018 Corres. Water Level :583.53 m

Lowest Observed Discharge = 0.000 cumecs on 01-06-2018 Corres. Water Level :580.66 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : T.K.Halli (CCM00B9)

Division : Cauvery Division, Bangalore

Local River : Shimsa

Sub-Division : Upper Cauvery SD, Bangalore

Stage-Discharge Data for the period

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	581.640	13.98	580.980	3.187 *	580.720	0.000	580.750	0.000	580.790	0.000	580.900	0.000
2	581.600	13.11 *	580.930	2.698 *	580.630	0.000	580.730	0.000	580.780	0.000	580.920	0.000
3	581.530	12.14	580.880	2.252 *	580.700	0.000	580.700	0.000	580.760	0.000	580.900	0.000
4	581.430	11.21	580.900	2.225	580.680	0.000	580.720	0.000	580.750	0.000	580.920	0.000
5	581.110	3.467	580.850	1.948	580.670	0.000	580.700	0.000	580.760	0.000	580.900	0.000
6	581.580	13.69	580.820	1.775 *	580.740	0.000	580.760	0.000	580.750	0.000	580.910	0.000
7	581.645	14.57	580.850	1.957	580.730	0.000	580.780	0.000	580.740	0.000	580.860	0.000
8	581.660	14.65	580.840	1.939	580.740	0.000	580.740	0.000	580.770	0.000	580.840	0.000
9	581.560	12.25 *	580.840	1.936	580.730	0.000	580.750	0.000	580.830	0.000	580.830	0.000
10	581.360	8.681	580.820	1.958	580.740	0.000	580.770	0.000	580.780	0.000	580.810	0.000
11	581.360	8.632	580.830	1.942	580.710	0.000	580.710	0.000	580.790	0.000	580.800	0.000
12	581.360	9.629	580.700	0.000	580.740	0.000	580.760	0.000	580.780	0.000	580.810	0.000
13	581.045	2.816	580.650	0.000	580.730	0.000	580.740	0.000	580.830	0.000	580.850	0.000
14	581.070	3.198	580.700	0.000	580.740	0.000	580.770	0.000	580.780	0.000	580.920	0.000
15	580.910	2.367	580.710	0.000	580.740	0.000	580.760	0.000	580.710	0.000	580.860	0.000
16	580.880	2.252 *	580.640	0.000	580.740	0.000	580.770	0.000	580.800	0.000	580.890	0.000
17	580.870	2.130	580.620	0.000	580.710	0.000	580.760	0.000	580.740	0.000	580.840	0.000
18	580.870	2.100	580.680	0.000	580.740	0.000	580.780	0.000	580.680	0.000	580.830	0.000
19	580.840	2.067	580.660	0.000	580.740	0.000	580.780	0.000	580.790	0.000	580.800	0.000
20	580.850	2.111	580.700	0.000	580.720	0.000	580.760	0.000	580.820	0.000	580.850	0.000
21	580.875	2.228	580.680	0.000	580.740	0.000	580.750	0.000	580.820	0.000	580.860	0.000
22	580.900	2.325	580.730	0.000	580.740	0.000	580.740	0.000	580.770	0.000	580.880	0.000
23	580.820	1.775 *	580.700	0.000	580.700	0.000	580.780	0.000	580.890	0.000	580.820	0.000
24	580.790	1.767	580.710	0.000	580.630	0.000	580.720	0.000	580.900	0.000	580.800	0.000
25	580.820	1.775 *	580.740	0.000	580.720	0.000	580.720	0.000	580.890	0.000	580.870	0.000
26	580.825	2.120	580.680	0.000	580.730	0.000	580.700	0.000	580.880	0.000	580.880	0.000
27	580.890	2.120	580.740	0.000	580.740	0.000	580.740	0.000	580.850	0.000	580.890	0.000
28	580.790	1.752	580.680	0.000	580.750	0.000	580.780	0.000	580.850	0.000	580.840	0.000
29	580.840	2.098	580.700	0.000			580.750	0.000	580.870	0.000	580.860	0.000
30	580.920	2.605 *	580.700	0.000			580.770	0.000	580.880	0.000	580.880	0.000
31	580.810	1.698	580.670	0.000			580.780	0.000			580.880	0.000
Ten-Daily Mean												
I Ten-Daily	581.512	11.77	580.871	2.188	580.708	0.000	580.740	0.000	580.771	0.000	580.879	0.000
II Ten-Daily	581.005	3.730	580.689	0.194	580.731	0.000	580.759	0.000	580.772	0.000	580.845	0.000
III Ten-Daily	580.844	2.024	580.703	0.000	580.719	0.000	580.748	0.000	580.860	0.000	580.860	0.000
Monthly												
Min.	580.790	1.698	580.620	0.000	580.630	0.000	580.700	0.000	580.680	0.000	580.800	0.000
Max.	581.660	14.65	580.980	3.187	580.750	0.000	580.780	0.000	580.900	0.000	580.920	0.000
Mean	581.111	5.72	580.753	0.768	580.719	0	580.749	0	580.801	0	580.861	0

Peak Computed Discharge = 156.2 cumecs on 18-10-2018

Corres. Water Level :583.13 m

Lowest Computed Discharge = 1.775 cumecs on 23-12-2018

Corres. Water Level :580.82 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

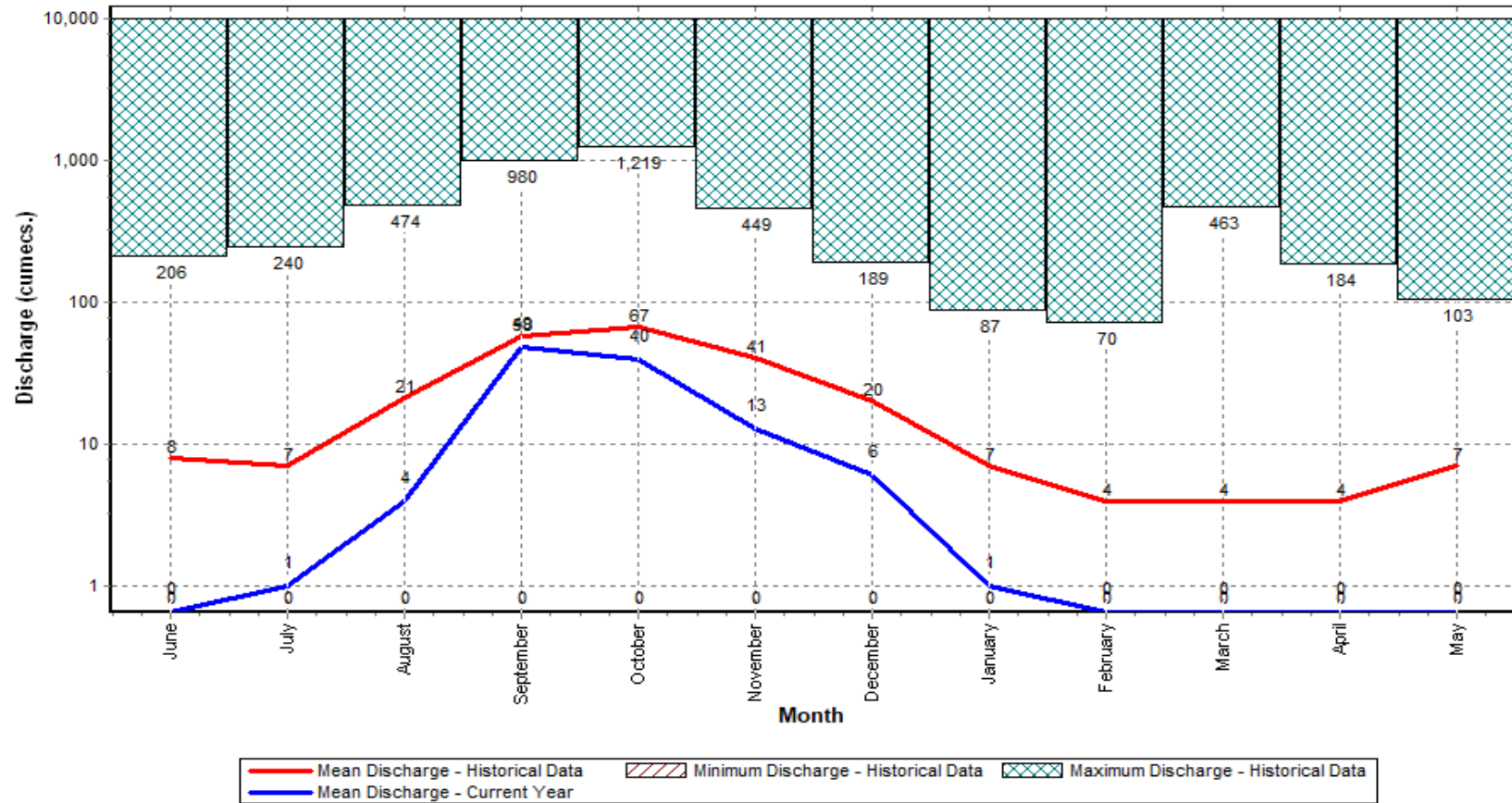
HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

Station Name : T.K.Halli (CCM00B9)
Local River : Shimsa

Data considered : 1979-2019

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

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Annual Runoff Values for the period: 1979 - 2019

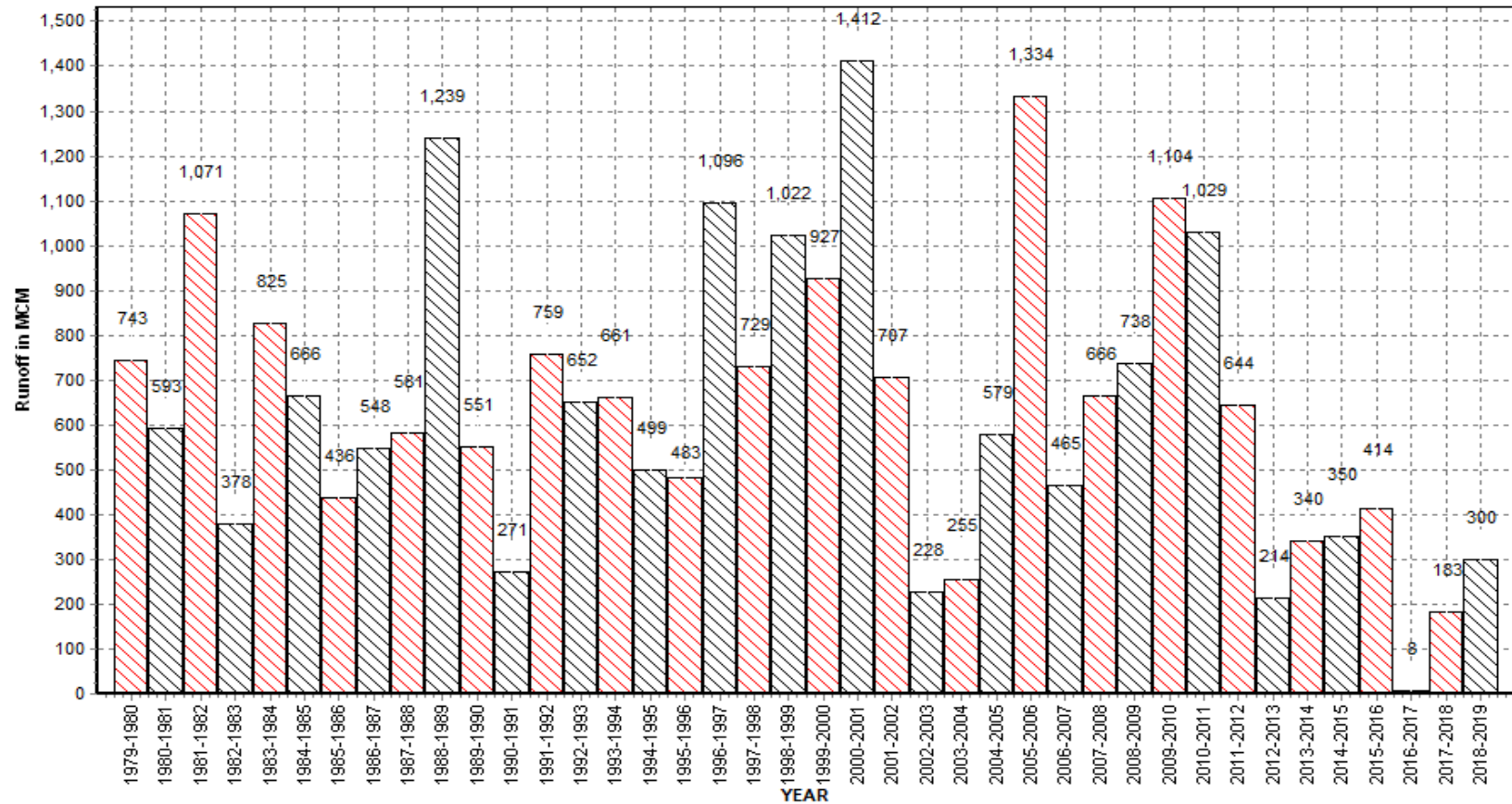
Station Name : T.K.Halli (CCM00B9)

Local River : Shimsa

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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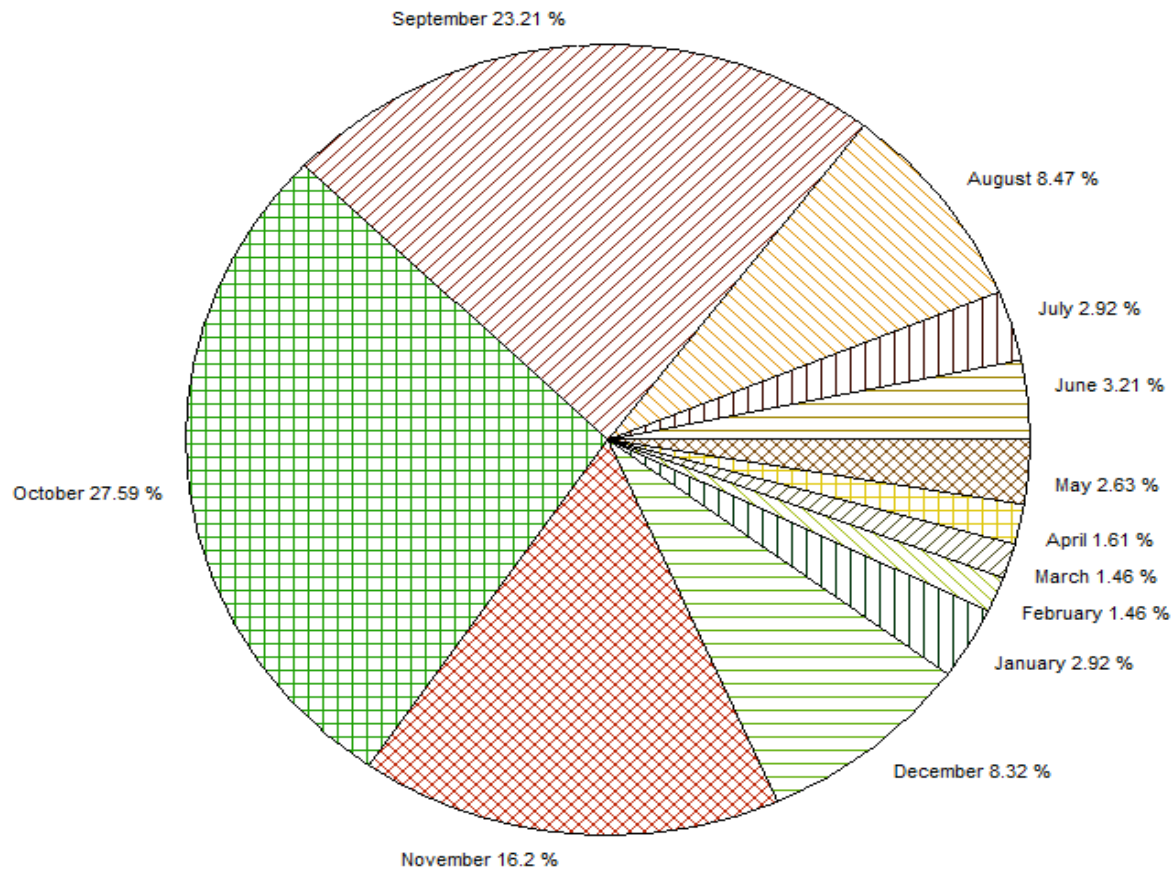


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : T.K.Halli (CCM00B9)
Local River : Shimsa

Monthly Average Runoff based on period : 1979-2018

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

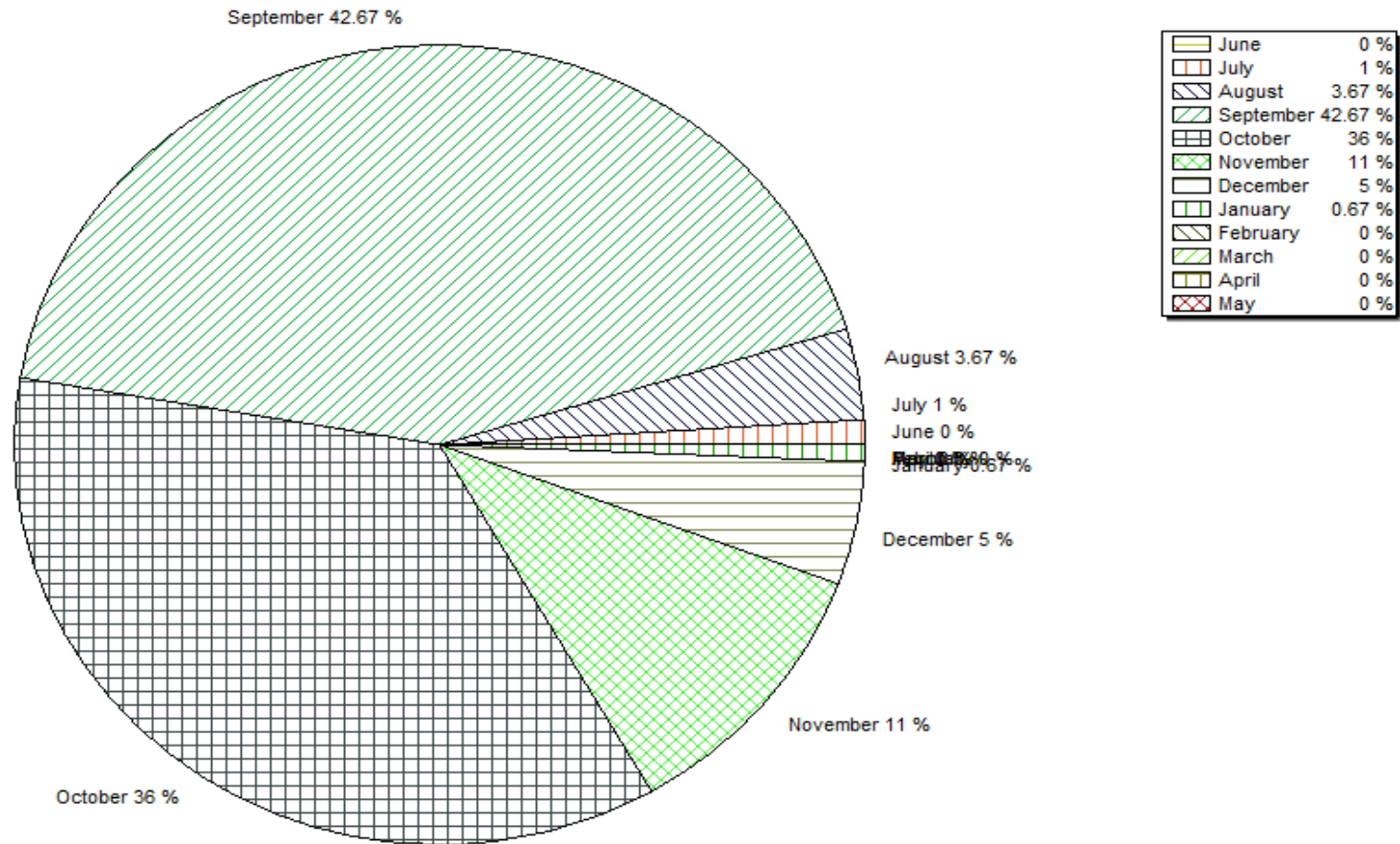


June	3.21 %
July	2.92 %
August	8.47 %
September	23.21 %
October	27.59 %
November	16.2 %
December	8.32 %
January	2.92 %
February	1.46 %
March	1.46 %
April	1.61 %
May	2.63 %

Station Name : T.K.Halli (CCM00B9)
Local River : Shimsa

Monthly Runoff for the Year : 2018-2019

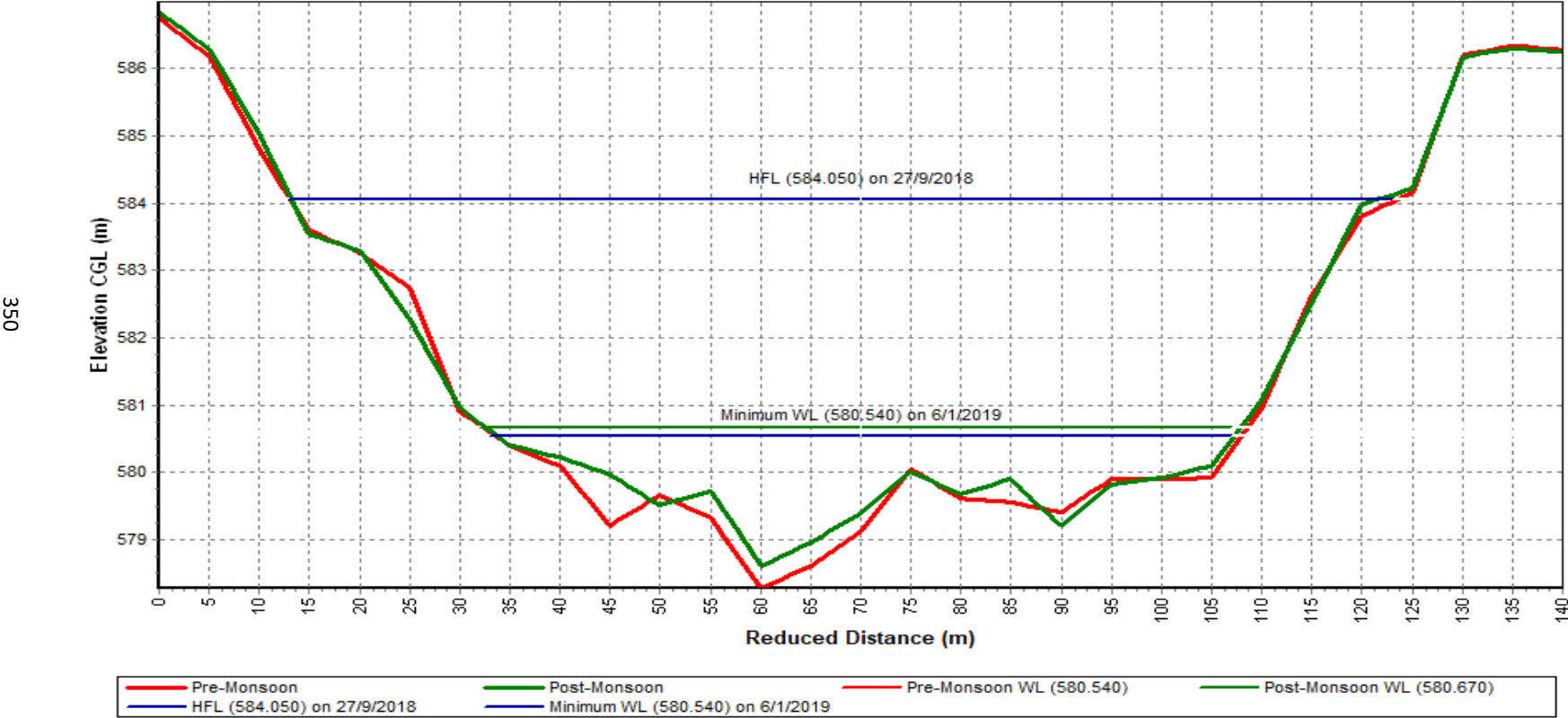
Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : T.K.Halli (CCM00B9)
Local River : Shimsa

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

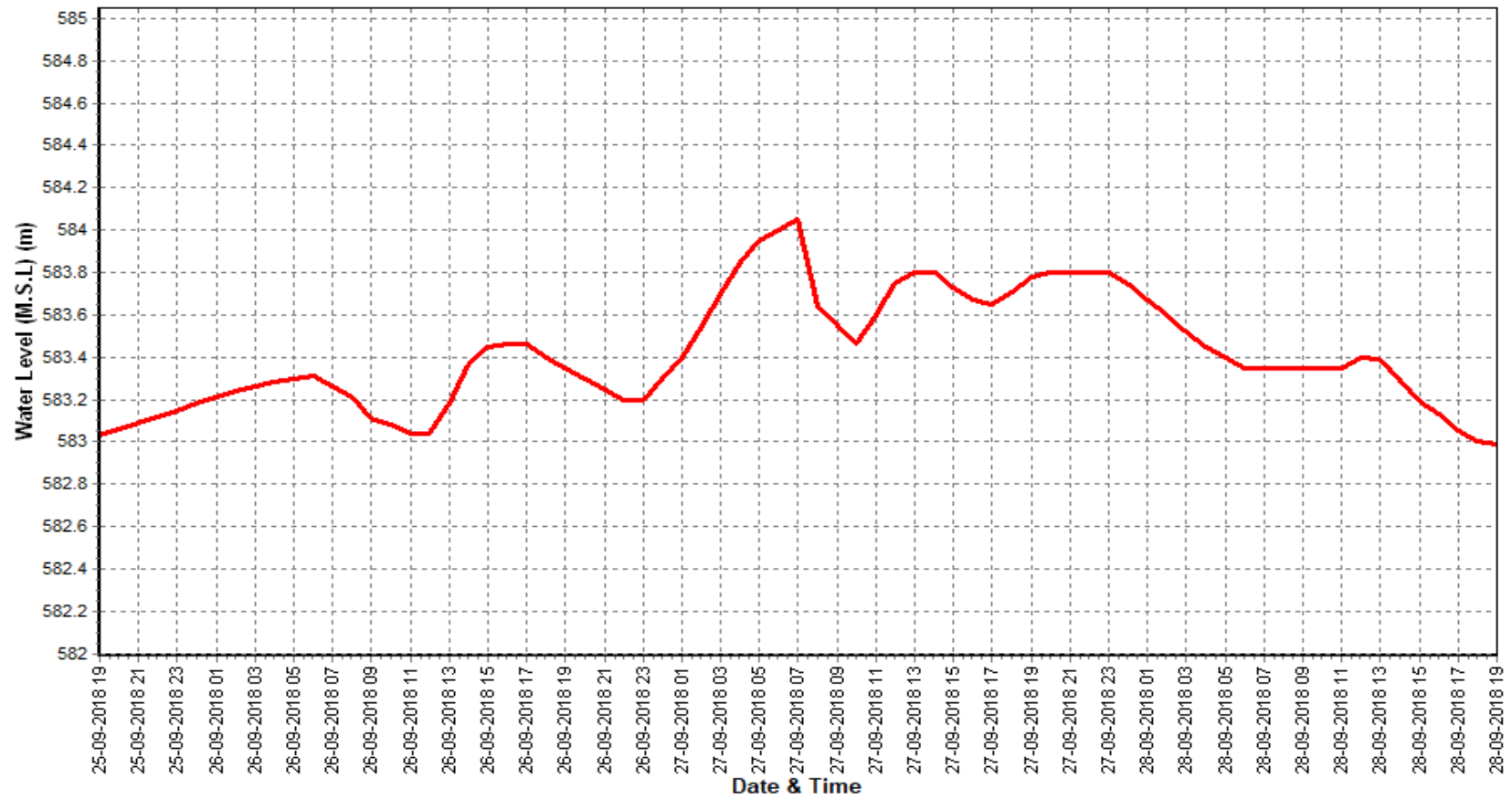
Station Name : T.K.Halli (CCM00B9)

Local River : Shimsa

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Time Span: 72 Hrs

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

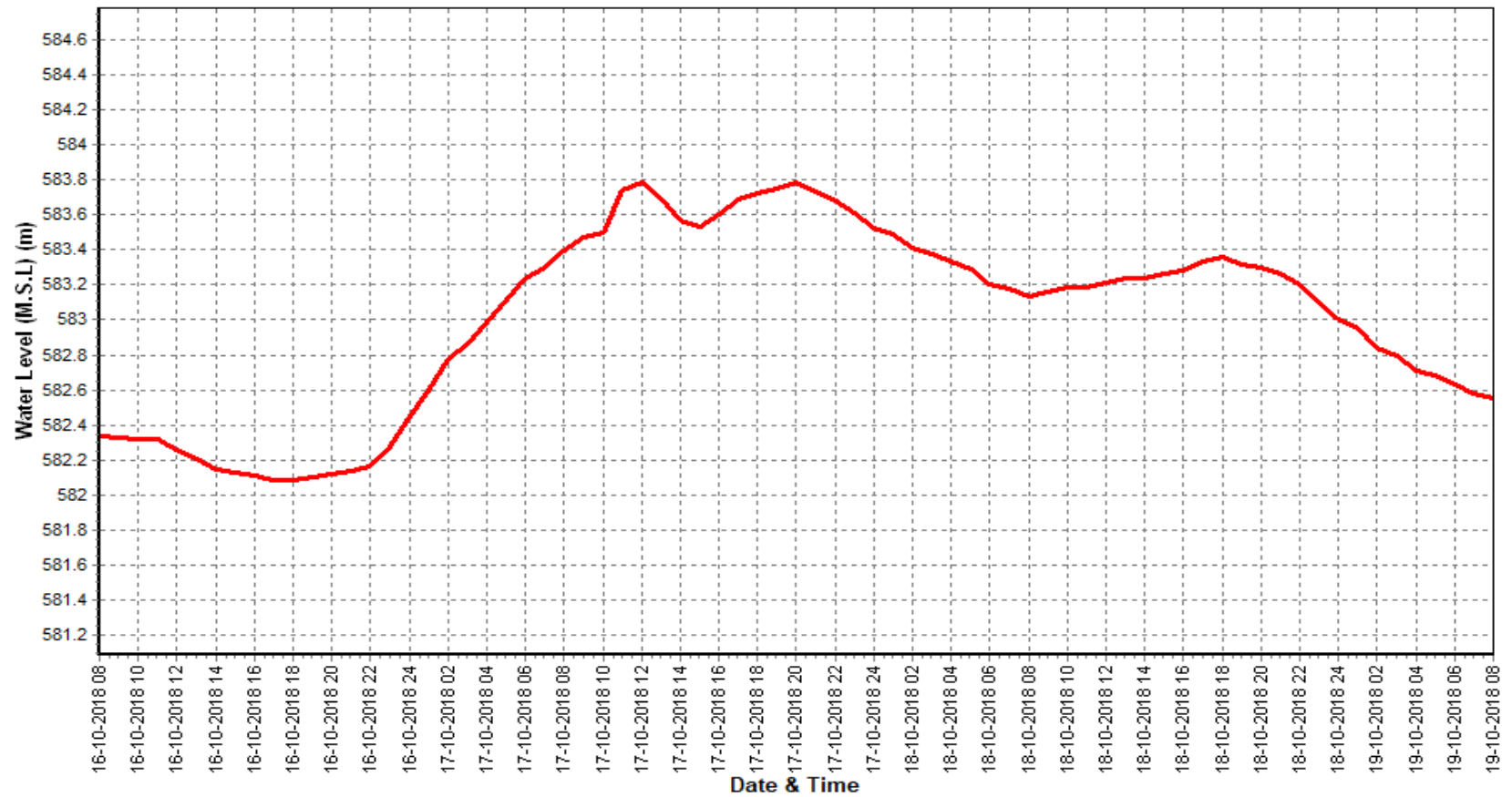
Station Name : T.K.Halli (CCM00B9)

Local River : Shimsa

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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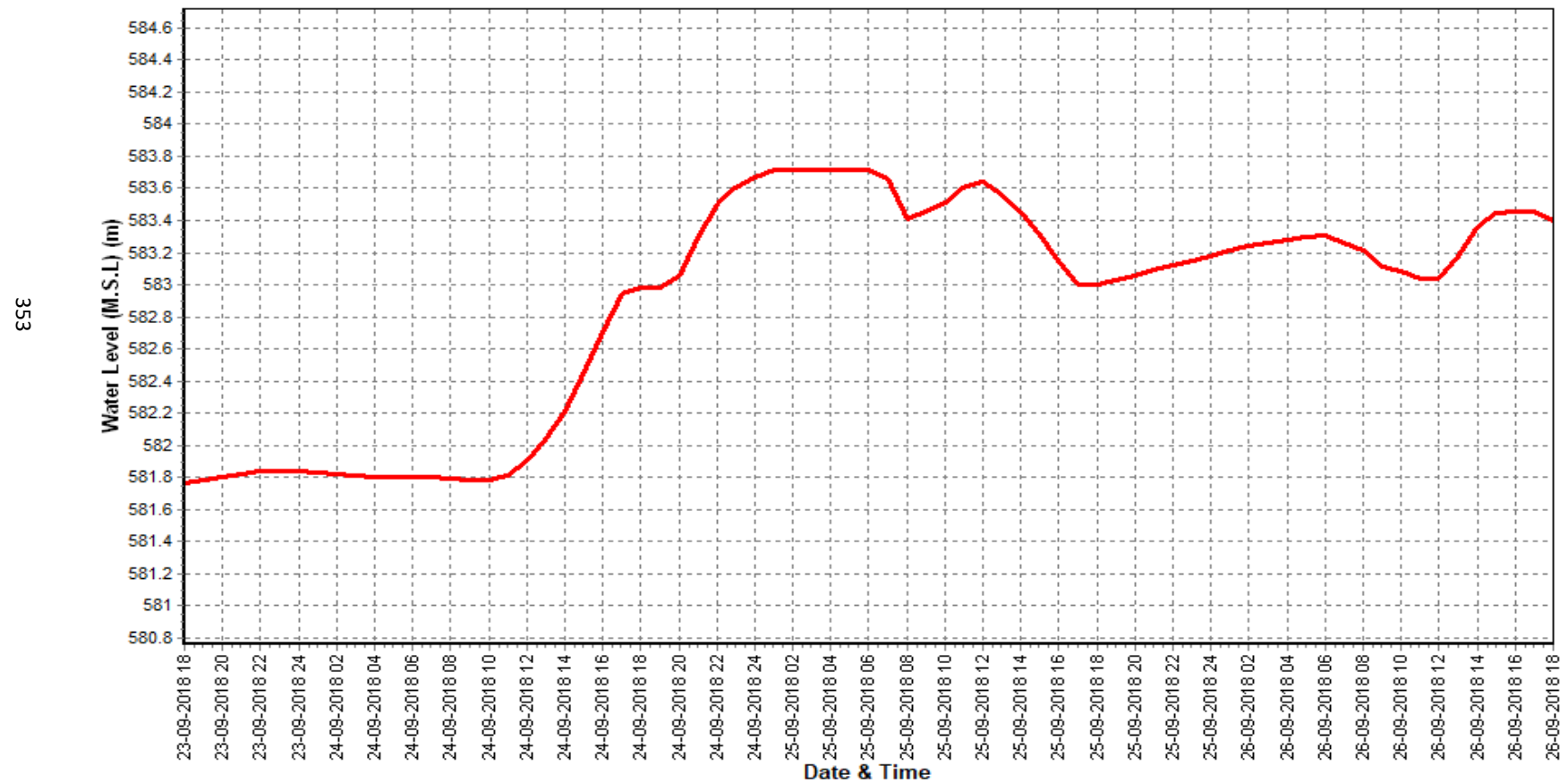


Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : T.K.Halli (CCM00B9)
Local River : Shimsa

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2018-2019

Site : Kollegal

Code : CC000R5

State : Karnataka

District : Chamarajanagara

Basin : Cauvery

Independent River : Cauvery

Tributary : -

Sub Tributary :

Sub-Sub Tributary :

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

Drainage Area : 21082 Sq. Km.

Bank : Right

Latitude : 12°11'21"

Longitude : 77°06'00"

Zero of Gauge (m) : 622.000 (m.s.l.)

25-01-71

Opening Date

Closing Date

Gauge : 25-01-71

Discharge : 06-02-71

Sediment : 15-03-72

Water Quality : 01-06-78

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l.)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1971-1972	1412	626.580	30-06-71	10.00	624.110	06-04-72
1972-1973	1637	626.695	19-07-72	10.00	624.140	17-05-73
1973-1974	3550	628.500	11-07-73	10.70	623.525	26-05-74
1974-1975	2645	627.595	20-08-74	11.20	623.580	08-06-74
1975-1976	4510	628.643	16-08-75	17.50	624.180	22-06-75
1976-1977	810.7	625.800	05-08-76	17.50	623.900	07-07-76
1977-1978	2336	627.300	28-07-77	28.30	624.510	14-02-78
1978-1979	1962	627.420	02-08-78	30.00	624.470	01-04-79
1979-1980	3384	628.485	04-08-79	24.50	624.540	19-03-80
1980-1981	4580	629.365	05-07-80	18.30	624.525	01-03-81
1981-1982	4550	629.120	19-08-81	45.20	624.595	12-04-82
1982-1983	1188	626.280	17-08-82	26.30	624.545	21-02-83
1983-1984	2000	627.120	22-08-83	21.00	624.510	27-02-84
1984-1985	3940	628.770	05-07-84	32.40	624.545	12-02-85
1985-1986	1355	626.245	29-06-85	20.00	623.950	22-05-86
1986-1987	2543	627.555	14-08-86	25.70	623.673	22-06-86
1987-1988	820.0	626.000	21-11-87	22.26	623.565	08-07-87
1988-1989	789.8	625.815	22-07-88	17.41	624.465	31-05-89
1989-1990	1573	626.955	26-07-89	14.97	624.430	08-07-89
1990-1991	1845	627.115	23-08-90	26.50	624.570	13-06-90
1991-1992 *	6038	629.750	29-07-91	18.11	624.583	24-05-92

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1992-1993	3571	628.279	30-07-92	19.03	624.140	19-06-92
1993-1994	1328	626.584	17-08-93	33.08	624.327	10-04-94
1994-1995	5620	629.580	17-07-94	18.00	624.505	26-03-95
1995-1996	2267	627.230	06-09-95	15.50	624.335	23-05-96
1996-1997	2297	627.415	12-10-96	21.81	624.550	01-05-97
1997-1998	3620	628.550	09-08-97	31.87	624.600	28-06-97
1998-1999	1080	626.200	04-07-98	25.50	624.560	04-04-99
1999-2000	2425	627.253	09-08-99	22.04	624.560	29-05-00
2000-2001	3243	627.840	29-08-00	14.63	624.450	04-04-01
2001-2002	1260	626.360	11-07-01	9.779	624.280	01-05-02
2002-2003	1404	626.550	19-08-02	13.32	623.780	01-05-03
2003-2004	473.1	625.760	21-10-03	8.653	624.060	21-03-04
2004-2005	1235	626.435	06-08-04	41.10	624.670	09-06-04
2005-2006	4047	628.800	03-08-05	34.61	624.545	03-07-05
2006-2007	2561	627.080	16-08-06	2.249	624.100	17-04-07
2007-2008	3473	628.550	12-08-07	12.21	623.960	17-06-07
2008-2009	5109	627.720	14-08-08	30.64	624.540	03-05-09
2009-2010	1792	626.730	19-07-09	14.41	624.580	13-04-10
2010-2011	2249	626.660	07-11-10	17.83	624.500	21-07-10
2011-2012	2349	627.000	05-09-11	17.63	624.560	24-03-12
2012-2013	604.6	625.590	09-10-12	0.000	624.440	27-02-13
2013-2014	6414	628.410	04-08-13	0.000	624.440	01-06-13
2014-2015	4467	627.310	09-08-14	0.000	624.510	19-06-14
2015-2016	806.8	625.610	26-09-15	0.000	624.380	17-02-16
2016-2017	360.3	624.400	09-09-16	0.000	624.080	11-05-17
2017-2018	711.2	626.180	28-09-17	0.000	624.550	08-06-17

*Note: Maximum Discharge & Water level shown on 29/07/1991 do not represent the correct figures as water levels were not observed from 0900 H of 29/07/1991 to 1200H of 30/07/1991 due to High Floods.
The actual maximum water level and Discharge could be much higher than what has been given above.

Stage-Discharge Data for the period 2018 - 2019

Station Name : Kollegal (CC000R5)

Division : Cauvery Division, Bangalore

Local River : Cauvery

Sub-Division : Upper Cauvery SD, Bangalore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	624.580	29.43	625.410	441.0 *	625.360	459.1	625.610	860.5 #	625.010	240.4	624.940	220.7
2	624.610	35.30	625.140	325.0	625.360	458.5	625.340	515.1 *	624.930	175.6 *	624.980	233.9
3	624.630	45.51 *	625.070	258.0	625.660	664.9	625.180	351.1	625.000	237.1	624.980	233.7
4	624.810	90.73	625.050	246.2	625.300	447.1	625.140	338.0	624.960	227.7	624.970	199.7 *
5	624.780	88.02	625.030	234.3	625.280	349.3 *	625.060	254.6	625.010	241.0	624.970	231.0
6	624.710	69.03	624.870	104.5	625.280	424.7	625.130	348.5	624.970	231.1	624.940	220.1
7	624.720	72.31	624.730	70.00	625.170	346.6	625.150	346.8	625.000	219.0 *	624.910	210.6
8	624.650	55.01	624.920	148.2 *	625.120	250.2 #	625.080	258.4	624.970	231.7	624.910	164.2 *
9	624.640	52.40	625.980	953.9	625.300	362.7	625.080	275.7 *	625.000	236.7	624.900	142.6
10	624.600	38.06 *	626.170	1110	627.300	2785	625.050	244.8	625.220	410.8	624.900	146.5
11	624.600	32.30	626.240	1173	628.140	3710	625.060	255.0	625.185	365.2	624.900	158.7 *
12	624.580	29.28	626.360	1293	628.000	4203 *	625.090	261.7	625.050	244.0	624.900	141.4
13	624.600	32.52	626.550	1537	627.520	3021	625.080	275.7 *	624.980	224.3	624.920	151.9
14	624.590	29.65	626.440	1385	627.260	2851 *	625.060	255.2	624.930	175.6 *	624.920	153.6
15	624.610	35.25	626.870	2124 *	628.580	5520 *	625.060	254.8	625.035	265.9	624.920	152.5
16	625.560	559.2 *	627.750	3617	629.000	6578 *	625.070	268.2 *	625.195	369.5	624.930	155.0
17	626.310	1341 *	627.810	3447	629.130	6923 *	625.080	259.1	625.325	471.2	624.910	150.9
18	625.450	363.4	627.900	3422	629.370	7581 *	625.070	280.1	625.320	493.5 *	624.930	175.6 *
19	624.970	171.4 #	626.680	1733	629.380	7609 *	625.020	269.7	625.410	594.8 *	624.920	153.7
20	624.740	76.73	627.090	2483	628.360	3903	625.010	266.0	625.415	513.9	624.900	142.8
21	624.720	70.82	626.840	2050	627.550	3269	625.010	225.7 *	625.260	432.1 *	624.910	164.2 *
22	625.300	377.7	627.050	2411 *	626.070	1057 *	624.970	255.0	625.110	281.8	624.890	124.0
23	625.660	580.9	627.020	2475	625.460	552.8	624.930	175.6 *	625.080	257.6	624.910	164.2 *
24	625.200	297.8 *	627.080	2587	625.400	510.9	624.980	206.0 #	624.945	224.5	624.925	152.8
25	625.130	317.9	626.500	1500	625.790	816.5	625.470	535.3	624.890	122.0	624.920	169.8 *
26	624.900	139.4 #	626.700	1880	625.940	916.0 *	625.250	451.3	624.870	120.3	624.950	161.1
27	624.690	68.95	626.840	2056	625.680	658.4	625.150	344.1	624.870	120.6	624.950	227.0
28	624.600	30.05	626.520	1644	625.250	417.9	625.100	266.5	624.840	127.8 *	624.920	151.2
29	624.760	88.48	626.060	1045 *	625.240	412.3	625.100	266.4	624.870	120.6	624.900	146.6
30	625.760	646.4	625.610	619.0	625.460	559.1	625.130	315.0 *	624.930	226.6	624.880	122.1
31			625.490	552.6	625.530	595.5			624.930	221.0		
Ten-Daily Mean												
I Ten-Daily	624.673	57.58	625.237	389.1	625.513	654.8	625.182	379.4	625.007	245.1	624.940	200.3
II Ten-Daily	625.001	267.1	626.969	2221	628.474	5190	625.060	264.6	625.185	371.8	624.915	153.6
III Ten-Daily	625.072	261.9	626.519	1711	625.761	887.7	625.109	304.1	624.963	205.0	624.915	158.3
Monthly												
Min.	624.580	29.28	624.730	70.00	625.120	250.2	624.930	175.6	624.840	120.3	624.880	122.1
Max.	626.310	1341	627.900	3617	629.380	7609	625.610	860.5	625.415	594.8	624.980	233.9
Mean	624.915	195.5	626.251	1449	626.556	2200	625.117	316	625.049	271.7	624.923	170.7

Annual Runoff in MCM = 12575 Annual Runoff in mm = 596

Peak Observed Discharge = 3903 cumecs on 20-08-2018 Corres. Water Level :628.36 m

Lowest Observed Discharge = 0.000 cumecs on 05-03-2019 Corres. Water Level :624.52 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Kollegal (CC000R5)

Division : Cauvery Division, Bangalore

Local River : Cauvery

Sub-Division : Upper Cauvery SD, Bangalore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	624.880	119.6	624.620	21.50	624.540	12.32	624.590	19.40	624.590	19.07	624.630	24.17
2	624.900	128.6 *	624.600	20.00	624.570	18.41	624.590	19.63	624.580	17.63	624.670	25.17
3	624.890	121.4	624.590	19.50	624.600	19.14 *	624.570	15.93 *	624.530	11.62	624.710	30.42
4	624.880	118.8	624.580	18.79	624.620	23.82	624.540	12.72	624.510	0.000	624.640	24.71
5	624.820	81.83	624.550	14.00	624.640	27.63	624.520	0.000	624.510	0.000	624.590	18.03 *
6	624.810	75.59	624.570	15.93 *	624.620	21.56	624.520	0.000	624.500	0.000	624.580	17.87
7	624.780	63.70	624.540	12.79	624.620	21.09	624.520	0.000	624.500	0.000	624.580	17.64
8	624.750	53.98	624.530	10.86	624.620	22.66	624.550	13.61	624.540	12.59	624.610	21.33
9	624.740	48.01 *	624.540	13.15	624.620	21.23	624.560	14.39	624.530	11.72	624.590	19.33
10	624.720	31.92	624.610	19.26	624.620	21.47 *	624.560	14.94 *	624.590	19.17	624.560	14.16
11	624.720	32.67	624.640	28.37	624.540	12.15	624.550	13.50	624.630	24.25	624.590	19.44
12	624.720	31.47	624.650	30.13	624.530	11.60	624.550	13.94	624.550	13.61	624.590	18.03 *
13	624.720	31.92	624.640	23.95 *	624.540	12.08	624.530	11.61	624.570	0.000	624.560	14.05
14	624.720	33.02	624.590	19.65	624.540	12.65	624.530	12.17 #	624.550	0.000	624.550	13.20
15	624.740	38.78 #	624.580	16.96 *	624.540	12.41	624.560	14.50	624.570	16.86	624.530	11.62
16	624.740	38.78 *	624.560	16.12	624.550	13.94	624.540	12.66	624.580	17.57	624.520	0.000
17	624.720	32.37	624.530	11.27	624.530	12.17 *	624.530	12.17 *	624.530	0.000	624.550	13.14
18	624.700	28.93	624.530	10.99	624.560	14.54	624.530	11.61	624.520	0.000	624.610	0.000
19	624.690	27.69	624.530	11.12	624.700	27.27	624.550	13.68	624.520	0.000	624.580	0.000
20	624.680	26.52	624.570	15.93 *	624.620	22.45	624.510	0.000	624.520	0.000	624.520	0.000
21	624.680	26.52	624.630	26.17	624.530	11.95	624.540	12.92	624.580	16.96 *	624.510	0.000
22	624.680	26.52	624.700	29.00	624.530	11.67	624.520	0.000	624.580	17.79	624.480	0.000
23	624.680	29.39 *	624.650	29.00	624.530	11.61	624.530	11.69	624.560	14.08	624.470	0.000
24	624.680	26.52	624.640	28.30	624.500	9.725 *	624.520	0.000	624.590	19.10	624.470	0.000
25	624.680	29.39 *	624.650	30.09	624.550	13.89	624.520	0.000	624.580	17.72	624.420	0.000
26	624.670	28.86	624.640	23.95 *	624.580	19.36	624.510	0.000	624.570	16.80	624.440	0.000
27	624.640	24.70	624.630	22.69 *	624.580	17.91	624.520	0.000	624.540	12.51	624.490	0.000
28	624.620	22.73	624.580	19.26	624.580	19.60	624.530	11.99	624.550	13.98 *	624.600	20.02
29	624.620	22.73	624.560	15.08			624.510	0.000	624.550	13.30	624.620	22.73
30	624.620	21.47 *	624.550	14.35			624.580	17.88	624.580	13.30	624.600	20.13
31	624.620	22.73	624.540	12.44			624.580	0.000			624.600	20.33
Ten-Daily Mean												
I Ten-Daily	624.817	84.34	624.573	16.58	624.607	20.93	624.552	11.06	624.538	9.180	624.616	21.28
II Ten-Daily	624.715	32.21	624.582	18.45	624.565	15.13	624.538	11.58	624.554	7.229	624.560	8.948
III Ten-Daily	624.654	25.60	624.615	22.76	624.548	14.46	624.533	4.953	624.568	15.55	624.518	7.565
Monthly												
Min.	624.620	21.47	624.530	10.86	624.500	9.725	624.510	0.000	624.500	0.000	624.420	0.000
Max.	624.900	128.6	624.700	30.13	624.700	27.63	624.590	19.63	624.630	24.25	624.710	30.42
Mean	624.726	46.68	624.591	19.37	624.575	17.01	624.541	9.063	624.553	10.65	624.563	12.44

Peak Computed Discharge = 7609 cumecs on 19-08-2018

Corres. Water Level :629.38 m

Lowest Computed Discharge = 9.725 cumecs on 24-02-2019

Corres. Water Level :624.5 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

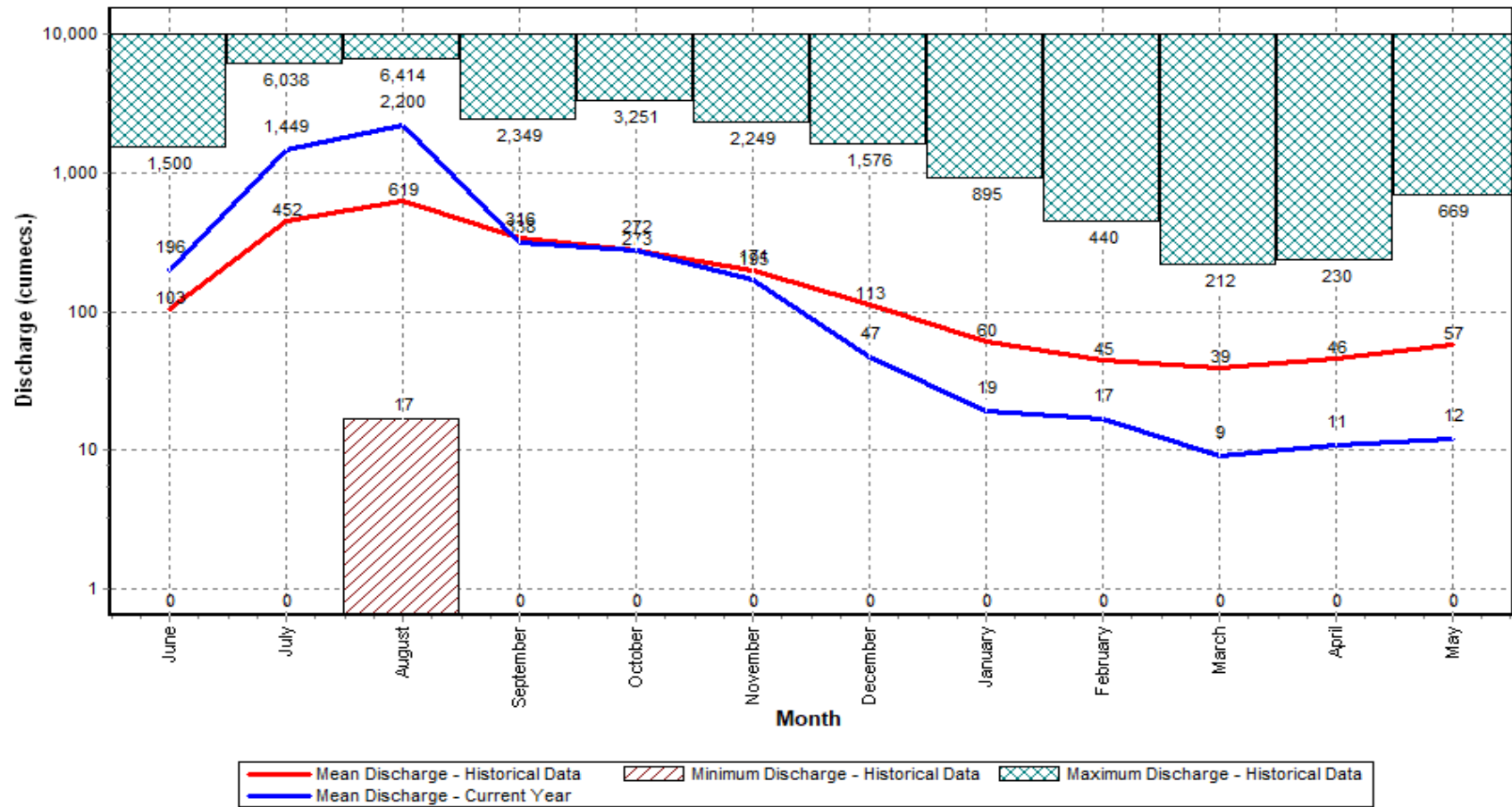
Station Name : Kollegal (CC000R5)

Data considered : 1971-2019

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



Annual Runoff Values for the period: 1971 - 2019

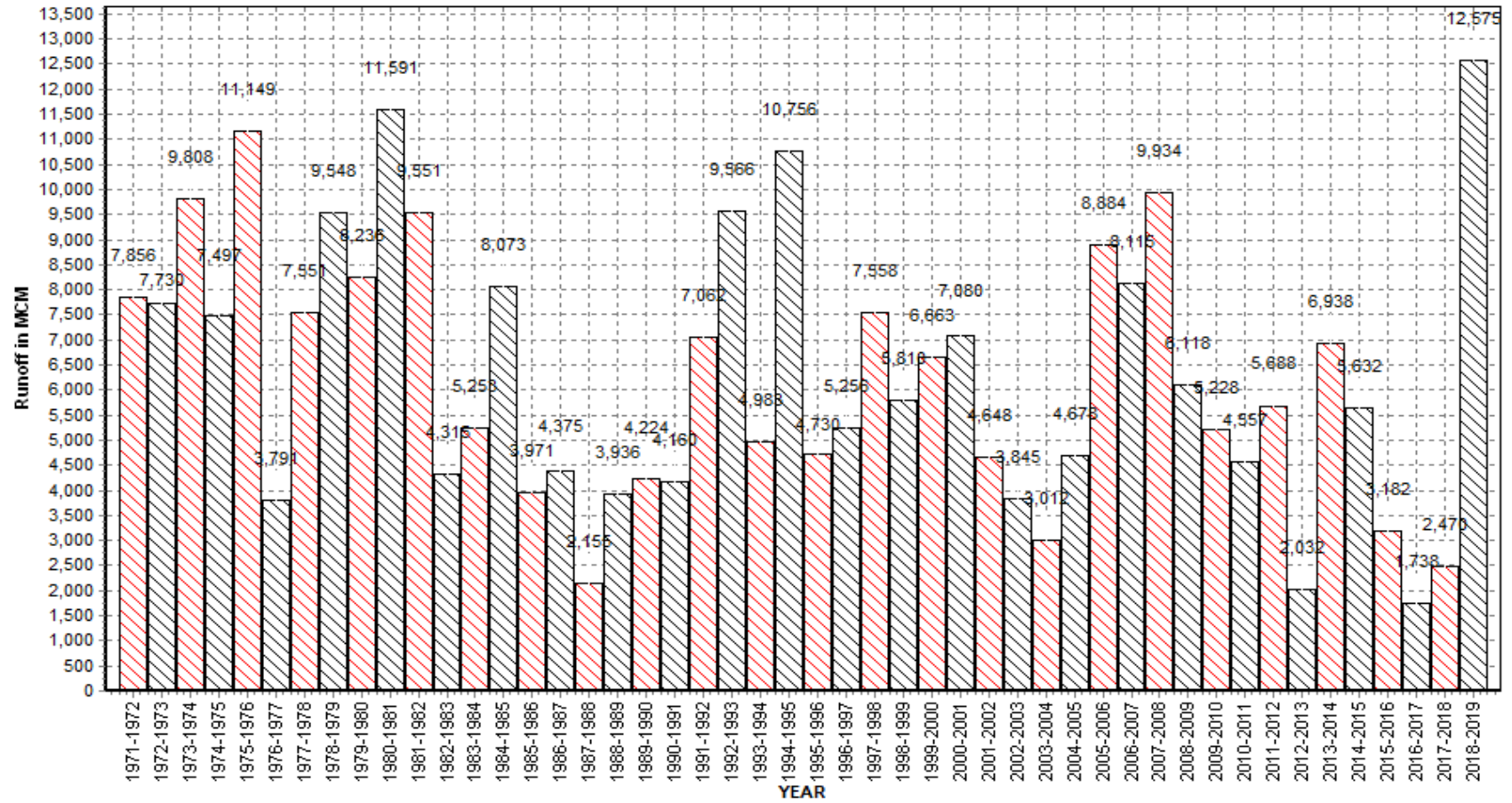
Station Name : Kollegal (CC000R5)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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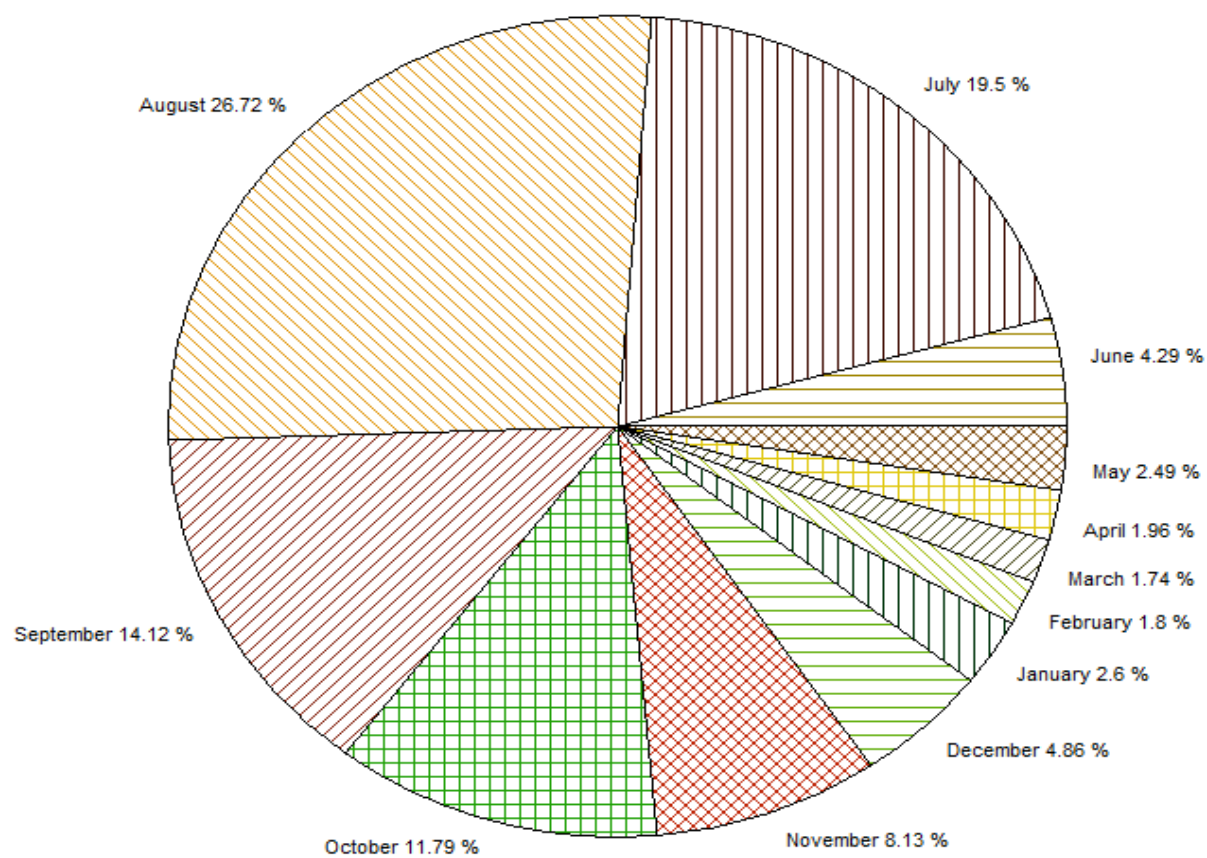


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Kollegal (CC000R5)
Local River : Cauvery

Monthly Average Runoff based on period : 1971-2018

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

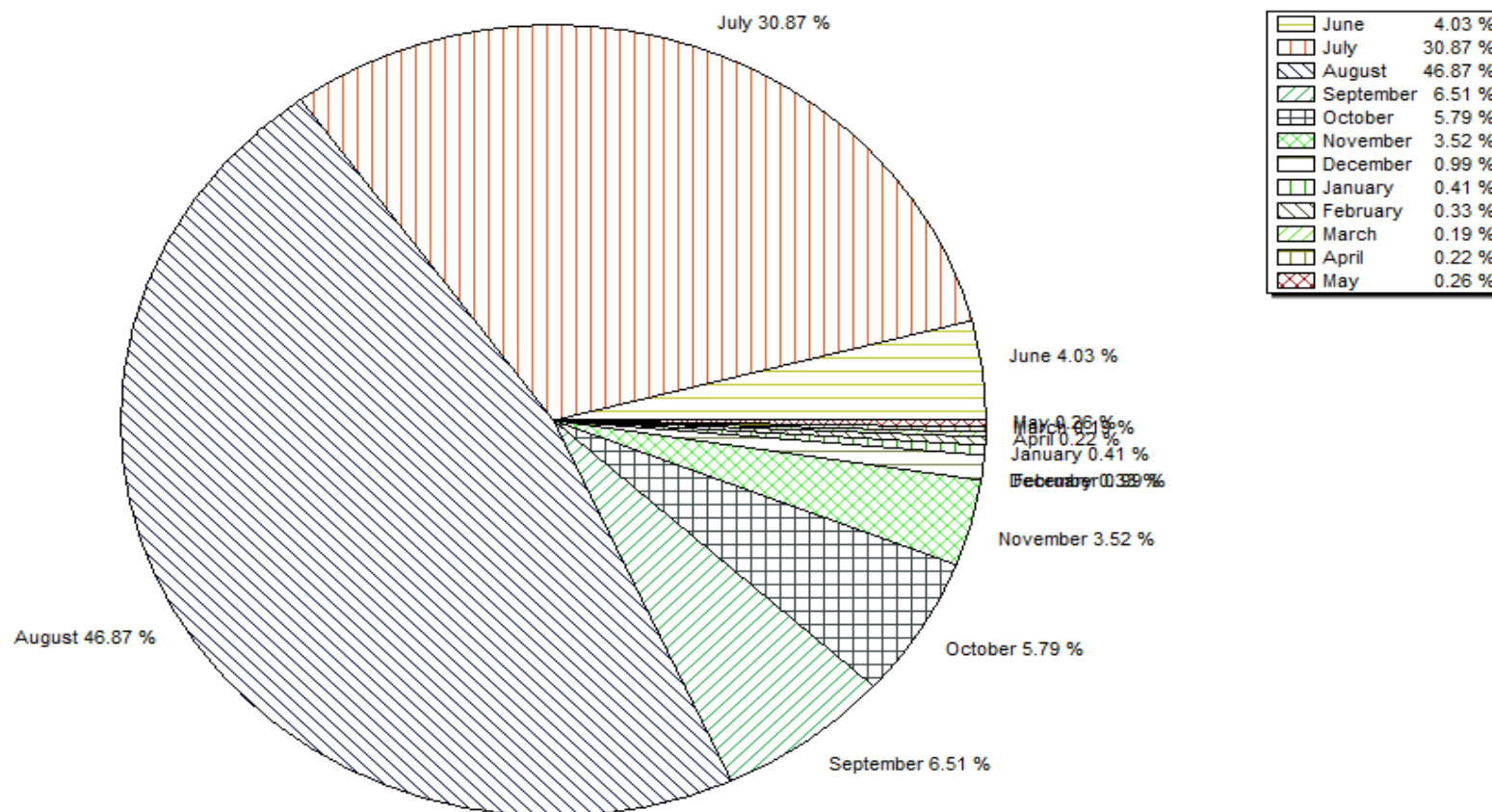


June	4.29 %
July	19.5 %
August	26.72 %
September	14.12 %
October	11.79 %
November	8.13 %
December	4.86 %
January	2.6 %
February	1.8 %
March	1.74 %
April	1.96 %
May	2.49 %

Station Name : Kollegal (CC000R5)
Local River : Cauvery

Monthly Runoff for the Year : 2018-2019

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



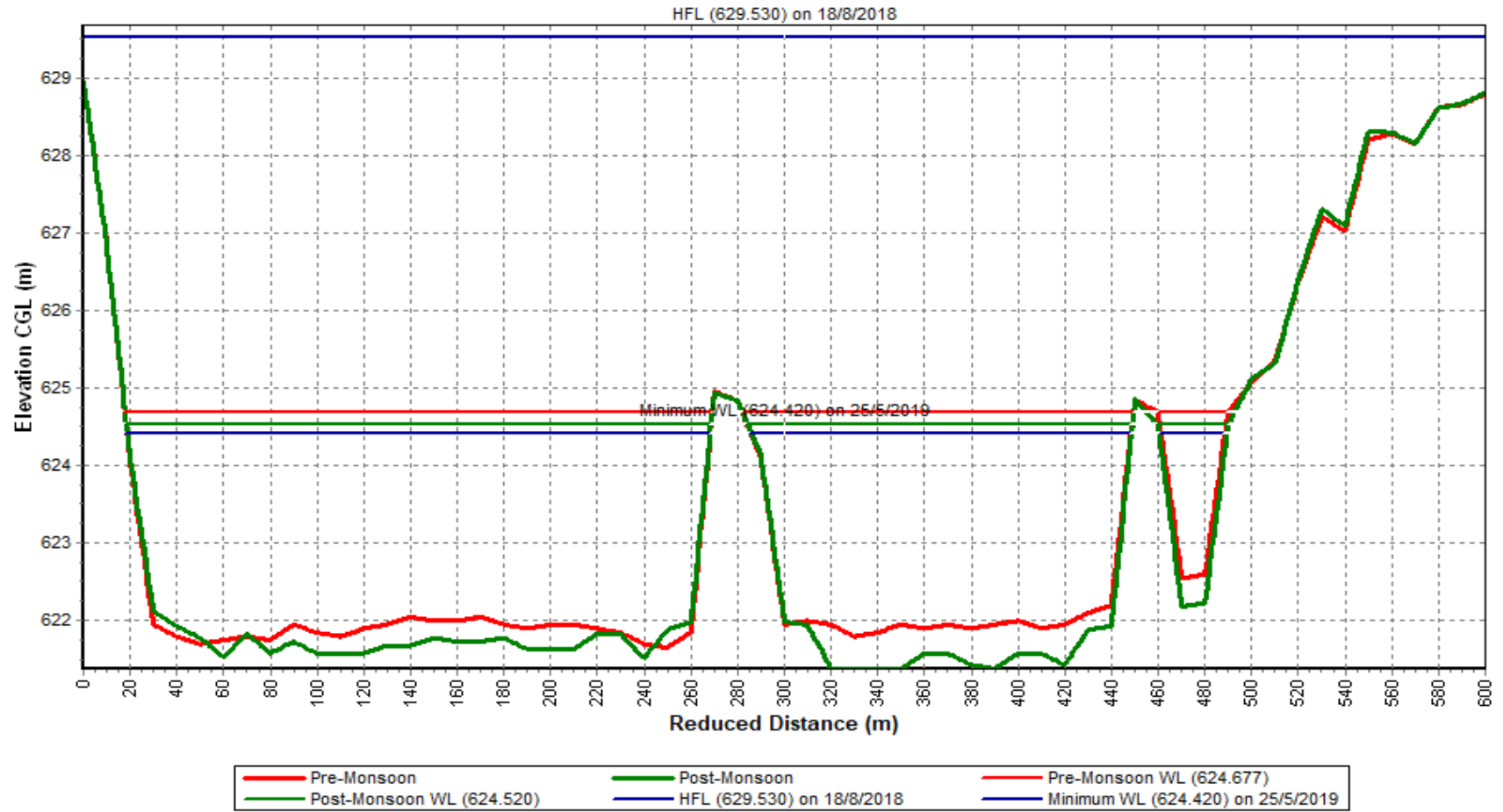
Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : Kollegal (CC000R5)

Local River : Cauvery

Division : Cauvery Division, Bangalore

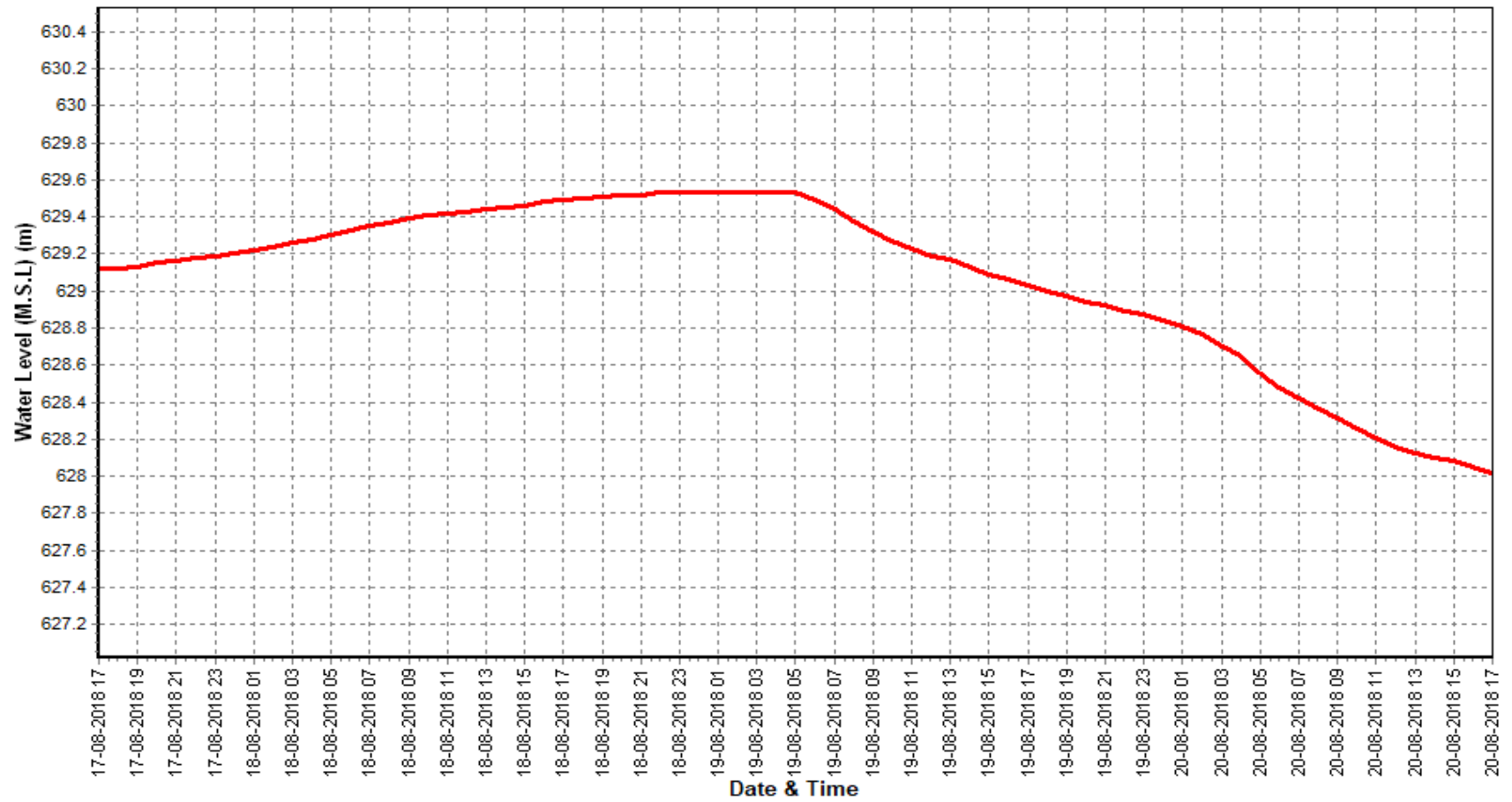
Sub-Division : Upper Cauvery SD, Bangalore



Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : Kollegal (CC000R5)
Local River : Cauvery

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Time Span: 72 Hrs

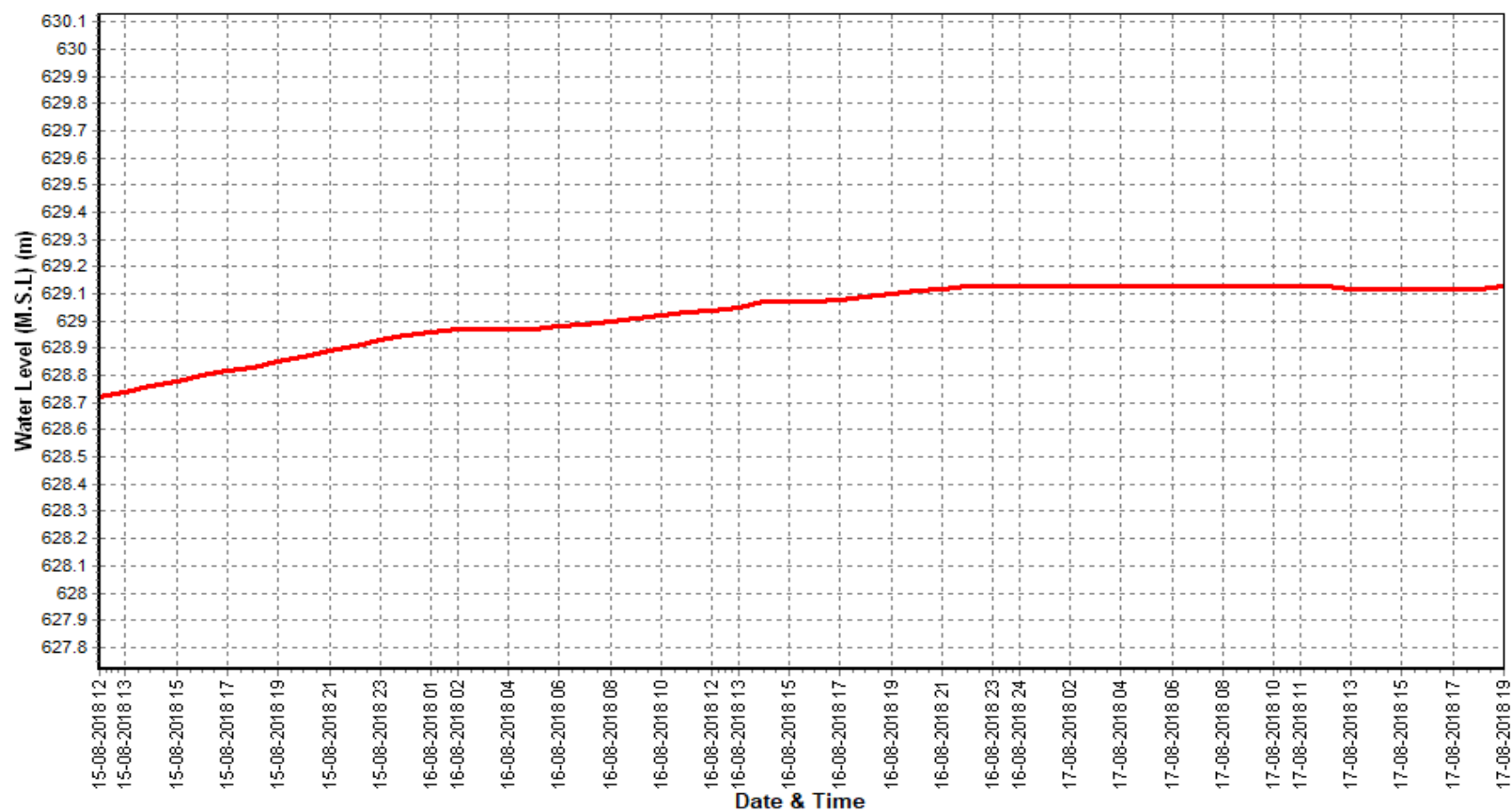
Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : Kollegal (CC000R5)

Local River : Cauvery

Division : Cauvery Division, Bangalore

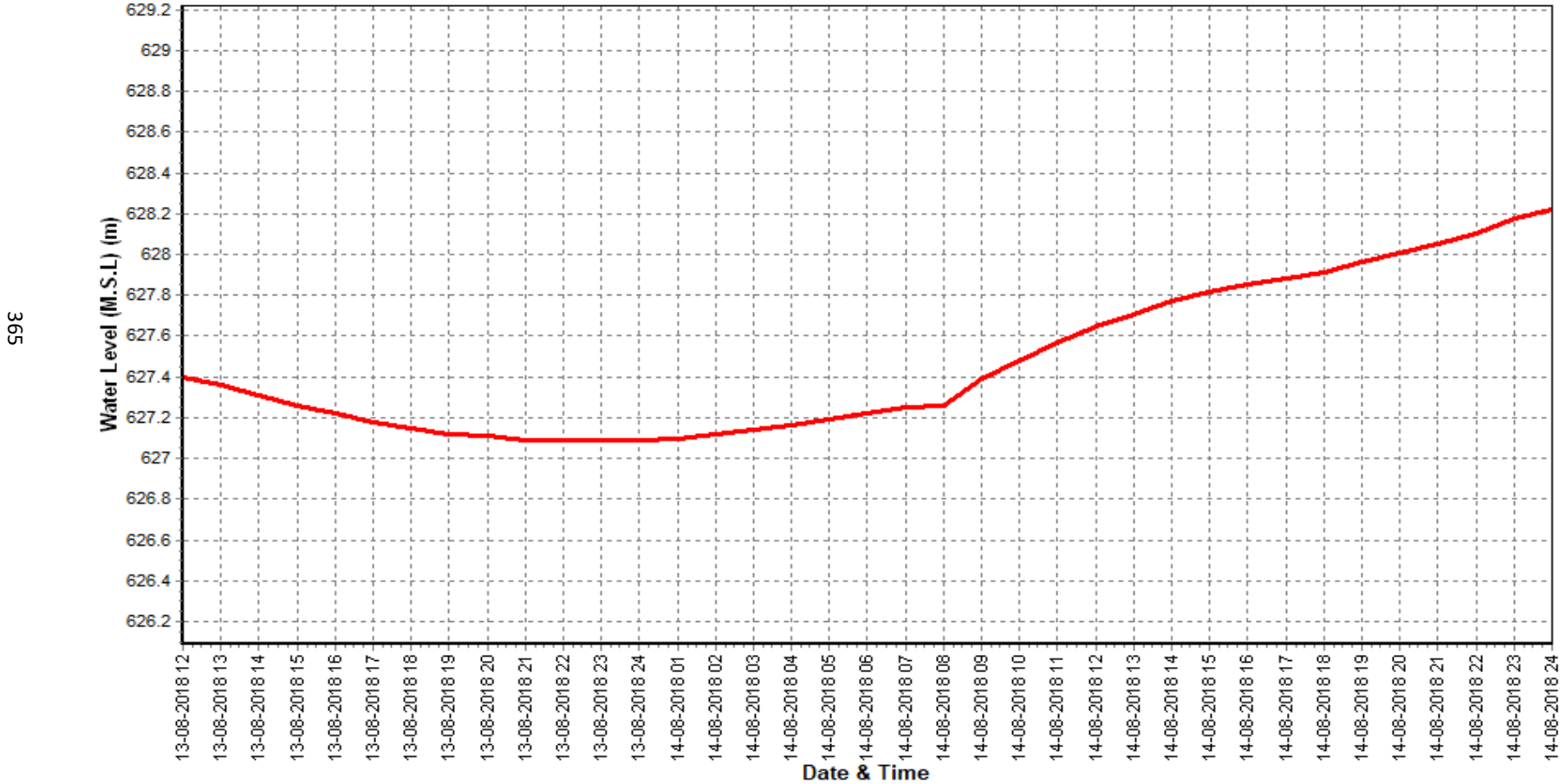
Sub-Division : Upper Cauvery SD, Bangalore



Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : Kollegal (CC000R5)
Local River : Cauvery

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



HISTORY SHEET

Water Year : 2018-2019

Site : Bendrahalli

Code : CCN00J5

State : Karnataka

District : Chamarajanagara

Basin : Cauvery

Independent River : Cauvery

Tributary : Suvarnavathi

Sub Tributary : -

Sub-Sub Tributary :

Local River : Suvarnavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

Drainage Area : 1900 Sq. Km.

Bank : Right

Latitude : 12°09'13"

Longitude : 77°04'48"

Zero of Gauge (m) : 631.000 (m.s.l)

03-02-04

Opening Date

Closing Date

Gauge : 03-02-04

Discharge : 18-08-05

Sediment :

Water Quality : 01-04-08

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2006-2007	4.490	632.420	09-11-06	0.000	631.350	07-07-06
2007-2008	36.89	634.700	22-10-07	0.000	631.280	01-06-07
2008-2009	15.91	633.610	24-10-08	0.213	631.620	05-07-08
2009-2010	9.359	633.100	19-09-09	0.000	631.430	07-03-10
2010-2011	31.90	635.200	07-11-10	0.000	631.250	01-06-10
2011-2012	18.95	633.930	04-11-11	0.000	631.380	03-04-12
2012-2013	6.420	632.615	15-10-12	0.000	631.310	01-06-12
2013-2014	24.17	634.700	13-09-13	0.000	Dry Bed	01-06-13
2014-2015	95.99	633.540	27-10-14	0.000	Dry Bed	01-06-14
2015-2016	17.83	633.730	11-11-15	0.000	631.560	30-06-15
2016-2017	1.121	631.750	29-07-16	0.000	Dry Bed	04-05-17
2017-2018	7.662	633.250	11-10-17	0.000	Dry Bed	01-06-17

Stage-Discharge Data for the period 2018 - 2019

Station Name : Bendrahalli (CCN00J5)

Division : Cauvery Division, Bangalore

Local River : Suvarnavathi

Sub-Division : Upper Cauvery SD, Bangalore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	631.370	0.000	631.210	0.000	631.600	0.111	633.030	15.86	633.570	30.26	632.840	12.60
2	631.430	0.000	631.200	0.000	631.545	0.102	632.910	13.83 *	632.950	14.65 *	632.930	14.41
3	631.400	0.000	631.250	0.000	631.450	0.000	632.990	13.48	632.640	8.697	632.930	14.41
4	631.450	0.000	631.260	0.000	631.460	0.000	632.690	9.688	632.690	9.910	632.840	11.52 *
5	631.400	0.000	631.260	0.000	631.480	0.000	632.690	9.910	633.000	15.84	632.830	11.53
6	631.430	0.000	631.250	0.000	631.450	0.000	632.640	8.697	633.030	15.86	632.888	13.05
7	631.400	0.000	631.260	0.000	631.470	0.000	632.660	9.688	632.960	14.86 *	632.645	2.104
8	631.400	0.000	631.280	0.000	631.600	0.117	632.690	9.910	632.740	10.74	632.750	2.649 *
9	631.390	0.000	631.280	0.000	631.685	0.155	632.740	10.64 *	633.000	15.84	632.840	3.209 #
10	631.390	0.000	631.280	0.000	631.750	0.176	632.660	9.688	633.450	28.78	632.790	3.025
11	631.380	0.000	631.320	0.000	631.560	0.115	632.790	11.30	633.250	21.68	632.630	1.999 *
12	631.370	0.000	631.500	0.000	631.500	0.000	632.840	12.60	632.900	13.29	632.460	1.326
13	631.370	0.000	631.450	0.000	631.450	0.000	632.900	13.62 *	632.690	9.910	632.500	1.405
14	631.380	0.000	631.400	0.000	631.615	0.124	633.000	15.84	632.650	9.146 *	632.610	1.553
15	631.380	0.000	631.490	0.000	631.800	0.205 *	633.030	15.86	633.000	15.84	632.795	3.069
16	631.370	0.000	631.490	0.000	631.985	0.328	633.030	16.38 *	632.840	12.60	632.800	3.139
17	631.360	0.000	631.490	0.000	632.030	0.389	633.030	15.86	633.570	30.13	632.850	3.908
18	631.350	0.000	631.460	0.000	632.090	0.362	632.890	12.84	633.950	510.2 *	632.640	2.049 *
19	631.330	0.000	631.430	0.000	632.090	0.371 *	632.840	12.60	633.590	278.7 *	632.600	1.506
20	631.330	0.000	631.380	0.000	631.900	0.262	633.030	15.86	632.790	21.70 #	632.550	1.462
21	631.330	0.000	631.400	0.000	631.900	0.260	633.050	16.83 *	632.550	2.436 *	632.590	1.806 *
22	631.300	0.000	631.460	0.000	631.970	0.297 *	632.960	14.65	632.515	1.355	632.610	1.560
23	631.290	0.000	631.450	0.000	631.870	0.227	632.850	12.64 *	632.520	1.409	632.780	2.829 *
24	631.280	0.000	631.430	0.000	631.980	0.279	633.350	26.96	632.610	5.261 #	632.735	2.674
25	631.270	0.000	631.530	0.000	631.940	0.271	633.210	19.54	632.630	6.480 #	632.680	2.256 *
26	631.270	0.000	631.550	0.000	632.000	0.314 *	633.240	21.31	632.690	9.910	632.550	1.489
27	631.270	0.000	631.670	0.147 #	631.910	0.265	633.450	28.48	632.660	9.688	632.430	1.234
28	631.260	0.000	631.670	0.147 *	632.000	0.282	633.350	26.96	632.520	1.462 *	632.400	1.156
29	631.250	0.000	631.550	0.000	632.040	0.355	633.350	26.83	632.420	1.227	632.410	1.201
30	631.220	0.000	631.750	0.162	632.040	0.351	633.430	26.85 *	632.400	1.187	632.460	1.344
31			631.670	0.152	632.160	3.411			632.490	2.339 #		
Ten-Daily Mean												
I Ten-Daily	631.406	0.000	631.253	0.000	631.549	0.066	632.770	11.14	633.003	16.54	632.828	8.850
II Ten-Daily	631.362	0.000	631.441	0.000	631.802	0.216	632.938	14.28	633.123	92.32	632.643	2.142
III Ten-Daily	631.274	0.000	631.557	0.055	631.983	0.574	633.224	22.11	632.546	3.887	632.565	1.755
Monthly												
Min.	631.220	0.000	631.200	0.000	631.450	0.000	632.640	8.697	632.400	1.187	632.400	1.156
Max.	631.450	0.000	631.750	0.162	632.160	3.411	633.450	28.48	633.950	510.2	632.930	14.41
Mean	631.347	0	631.422	0.02	631.785	0.294	632.977	15.84	632.880	36.5	632.679	4.249

Annual Runoff in MCM = 156 Annual Runoff in mm = 82

Peak Observed Discharge = 30.26 cumecs on 01-10-2018 Corres. Water Level :633.57 m

Lowest Observed Discharge = 0.000 cumecs on 01-06-2018 Corres. Water Level :631.37 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Bendrahalli (CCN00J5)

Division : Cauvery Division, Bangalore

Local River : Suvarnavathi

Sub-Division : Upper Cauvery SD, Bangalore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	632.500	1.410	632.150	0.603 *	631.630	0.092	631.520	0.000	631.440	0.000		0.000
2	632.470	1.423 *	632.150	0.603 *	631.630	0.089	631.510	0.000	631.430	0.000		0.000
3	632.460	1.356	632.150	0.635	631.630	0.090 *	631.510	0.000	631.430	0.000		0.000
4	632.440	1.258	632.150	0.642	631.620	0.083	631.500	0.000	631.420	0.000		0.000
5	632.470	1.378	632.130	0.563	631.620	0.086	631.500	0.000	631.420	0.000		0.000
6	632.440	1.262	632.120	0.440 *	631.610	0.073 #	631.510	0.000	631.420	0.000		0.000
7	632.380	1.116	632.120	0.359	631.610	0.076	631.510	0.000	631.420	0.000		0.000
8	632.340	1.067	632.100	0.338	631.610	0.082	631.510	0.000		0.000		0.000
9	632.290	0.887 *	632.100	0.334	631.610	0.079	631.510	0.000	631.400	0.000		0.000
10	632.290	0.951	632.100	0.324	631.610	0.073 *	631.510	0.000	631.400	0.000		0.000
11	632.300	1.009	632.100	0.320	631.650	0.105	631.500	0.000	631.400	0.000		0.000
12	632.300	1.016	632.080	0.272	631.630	0.090	631.500	0.000	631.350	0.000		0.000
13	632.290	0.962	632.080	0.269 *	631.610	0.074	631.500	0.000	631.300	0.000		0.000
14	632.450	1.306	632.080	0.279	631.600	0.068	631.490	0.000		0.000		0.000
15	633.250	6.324	632.080	0.269 *	631.600	0.065	631.490	0.000		0.000		0.000
16	633.190	5.119 *	632.070	0.241	631.590	0.054	631.480	0.000		0.000		0.000
17	632.535	1.502	632.060	0.201 #	631.590	0.058 *	631.480	0.000		0.000		0.000
18	632.440	1.268	632.060	0.209	631.570	0.047	631.470	0.000		0.000		0.000
19	632.410	1.198	632.050	0.178	631.570	0.042	631.470	0.000		0.000		0.000
20	632.450	1.313	632.050	0.172 *	631.560	0.039	631.470	0.000		0.000		0.000
21	632.450	1.305	632.050	0.168	631.560	0.040	631.470	0.000		0.000		0.000
22	632.460	1.360	632.060	0.200	631.560	0.037	631.460	0.000		0.000		0.000
23	632.450	1.357 *	632.040	0.139	631.560	0.041	631.460	0.000		0.000		0.000
24	632.360	1.099	632.070	0.989 #	631.570	0.000	631.460	0.000		0.000		0.000
25	632.280	0.861 *	632.050	0.924 #	631.530	0.000	631.460	0.000		0.000		0.000
26	632.220	0.881	631.810	0.328 *	631.530	0.000	631.460	0.000		0.000		0.000
27	632.160	0.782	631.750	0.230 *	631.520	0.000	631.460	0.000		0.000		0.000
28	632.150	0.659	631.660	0.110	631.520	0.000	631.460	0.000		0.000		0.000
29	632.180	0.795	631.650	0.101			631.450	0.000		0.000		0.000
30	632.190	0.867 *	631.640	0.096			631.450	0.000		0.000		0.000
31	632.170	0.785	631.640	0.099			631.450	0.000				0.000
Ten-Daily Mean												
I Ten-Daily	632.408	1.211	632.127	0.484	631.618	0.082	631.509	0.000	631.420	0.000		0.000
II Ten-Daily	632.562	2.102	632.071	0.241	631.597	0.064	631.485	0.000	631.350	0.000		0.000
III Ten-Daily	632.279	0.977	631.856	0.308	631.544	0.015	631.458	0.000		0.000		0.000
Monthly												
Min.	632.150	0.659	631.640	0.096	631.520	0.000	631.450	0.000	631.300	0.000		0.000
Max.	633.250	6.324	632.150	0.989	631.650	0.105	631.520	0.000	631.440	0.000		0.000
Mean	632.412	1.415	632.013	0.343	631.589	0.057	631.483	0	631.402	0		0

Peak Computed Discharge = 510.2 cumecs on 18-10-2018

Corres. Water Level :633.95 m

Lowest Computed Discharge = 0.058 cumecs on 17-02-2019

Corres. Water Level :631.59 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

Station Name : Bendrahalli (CCN00J5)

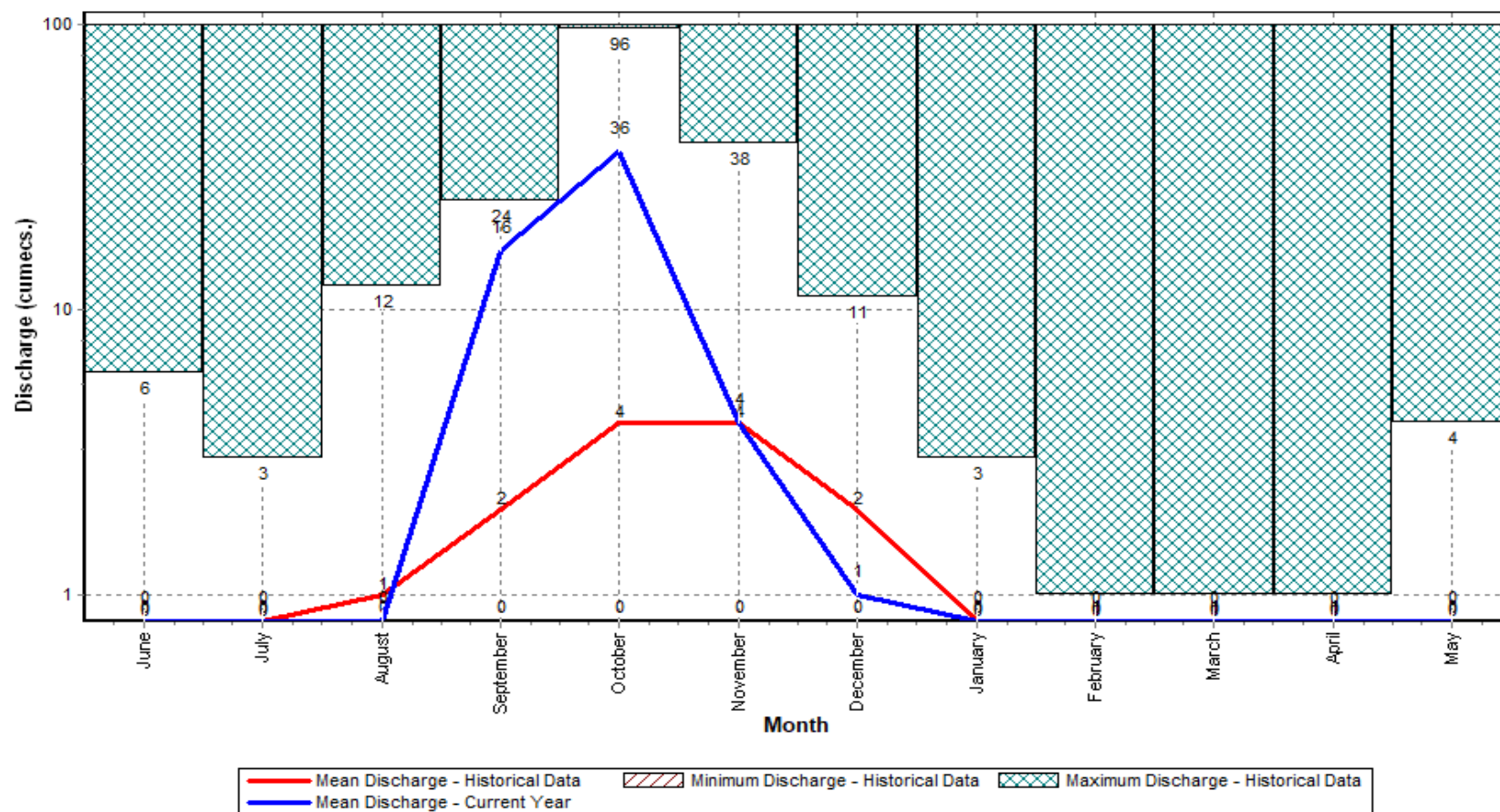
Data considered : 2006-2019

Division : Cauvery Division, Bangalore

Local River : Suvarnavathi

Sub-Division : Upper Cauvery SD, Bangalore

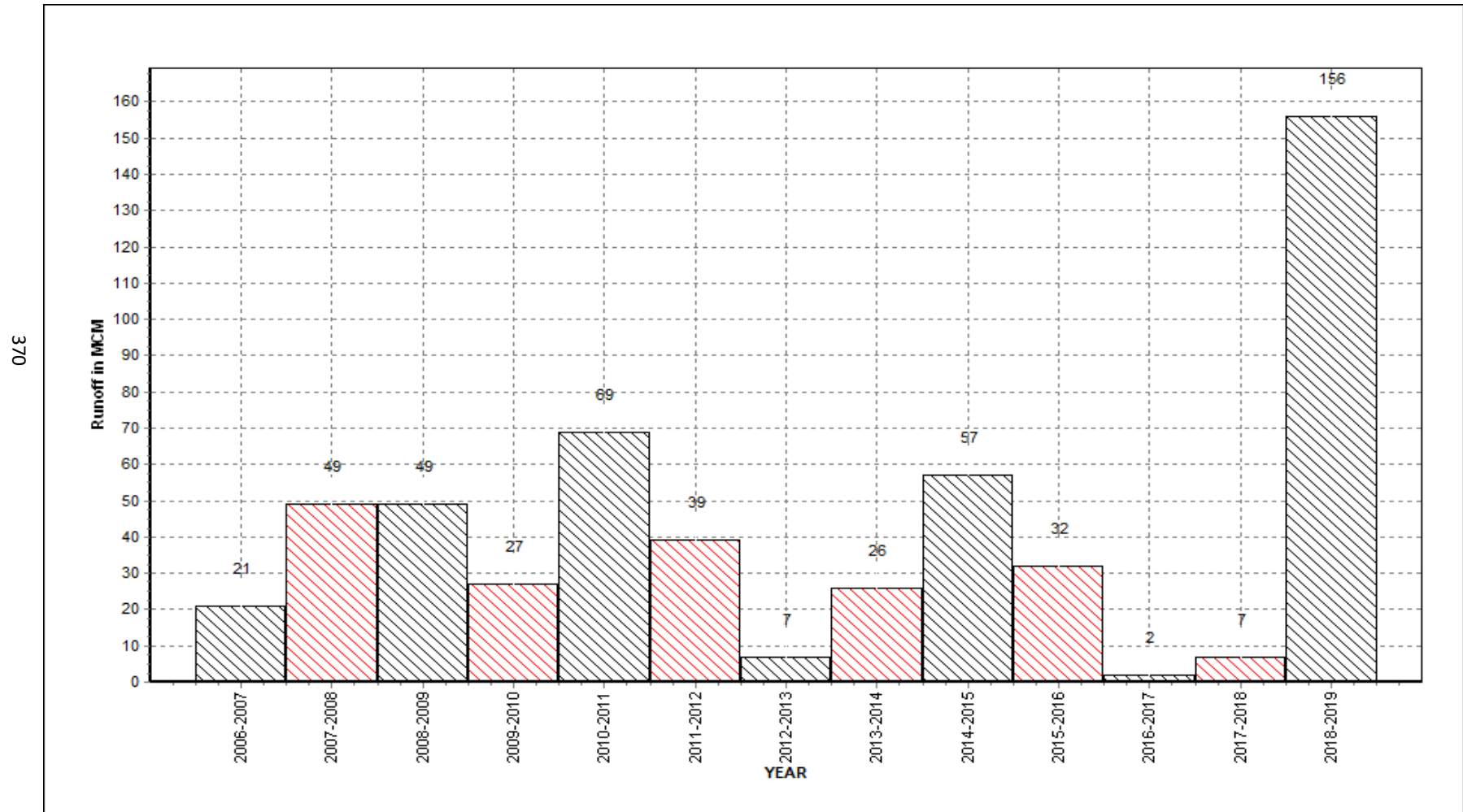
369



Annual Runoff Values for the period: 2006 - 2019

Station Name : Bendrahalli (CCN00J5)
Local River : Suvarnavathi

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

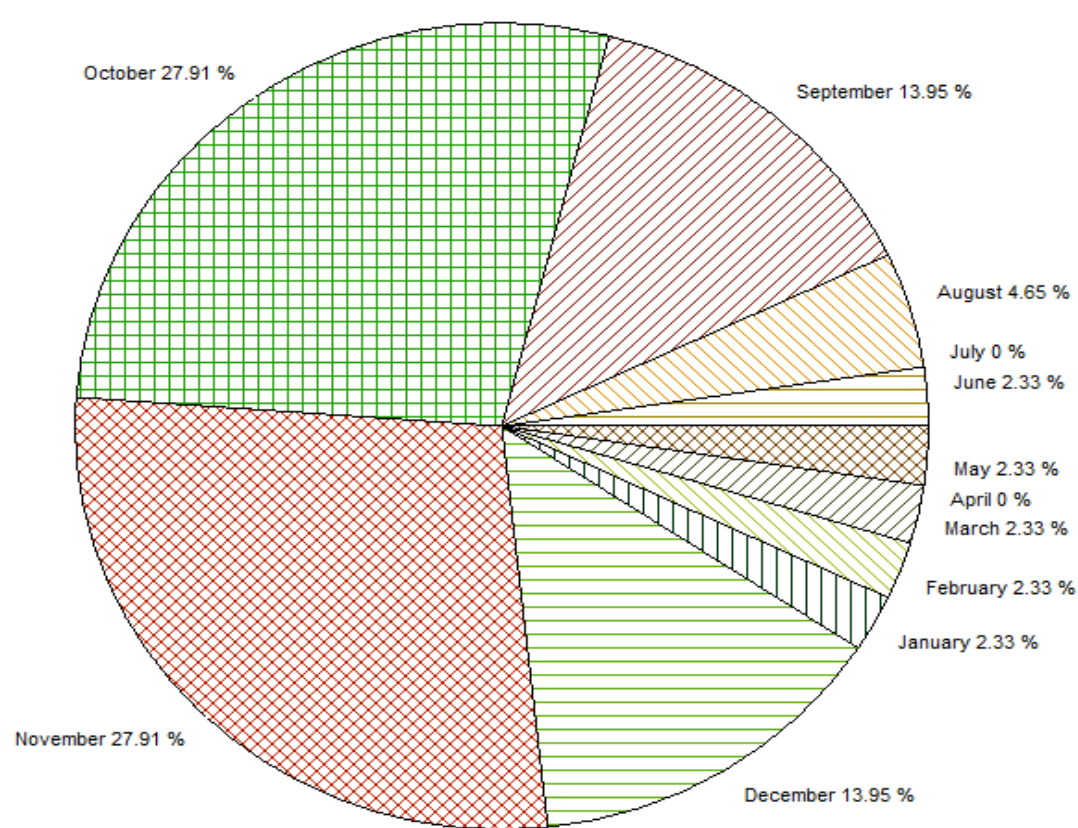


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Bendrahalli (CCN00J5)
Local River : Suvarnavathi

Monthly Average Runoff based on period : 2006-2018

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

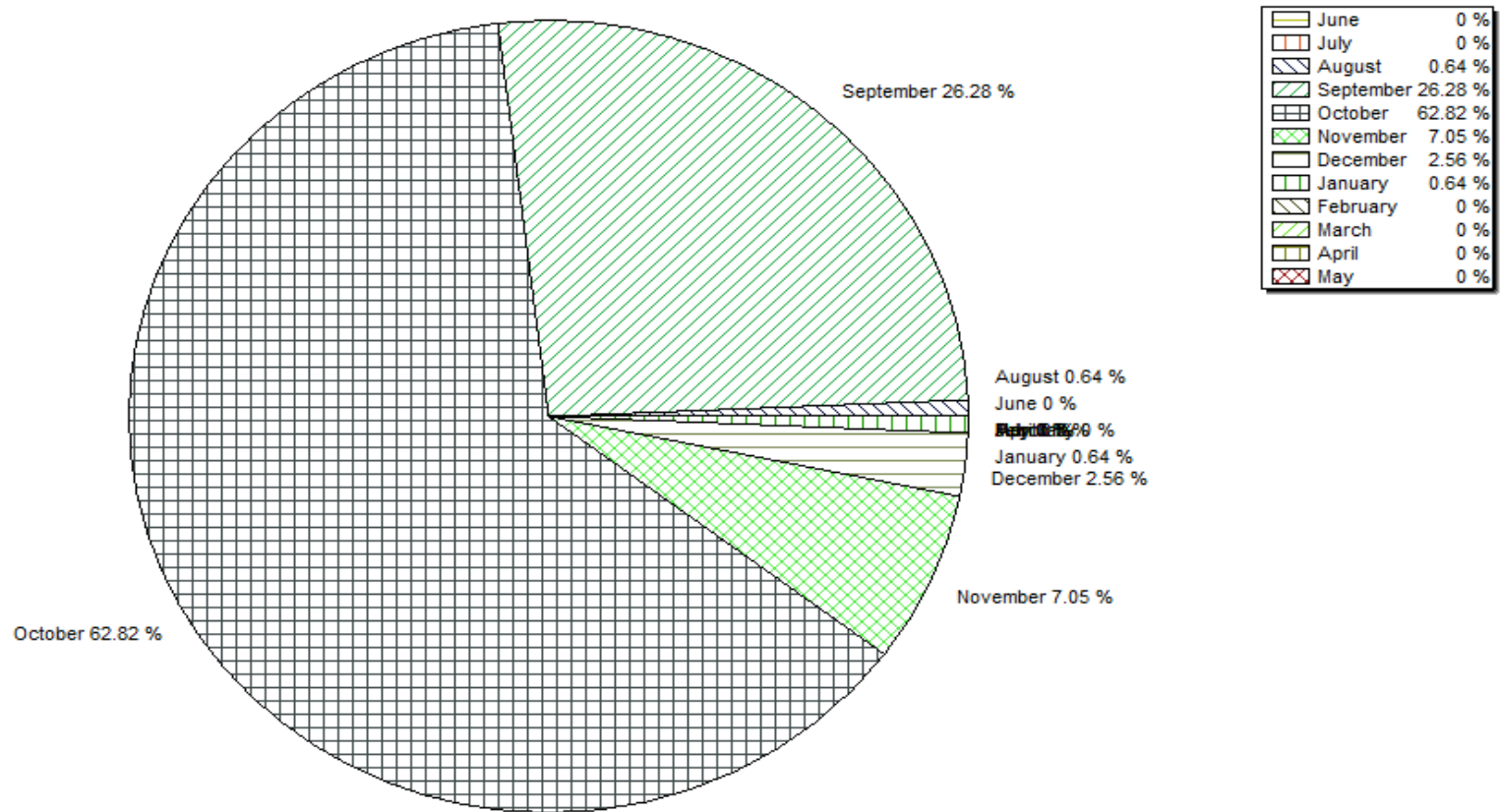


June	2.33 %
July	0 %
August	4.65 %
September	13.95 %
October	27.91 %
November	27.91 %
December	13.95 %
January	2.33 %
February	2.33 %
March	2.33 %
April	0 %
May	2.33 %

Station Name : Bendrahalli (CCN00J5)
Local River : Suvarnavathi

Monthly Runoff for the Year : 2018-2019

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



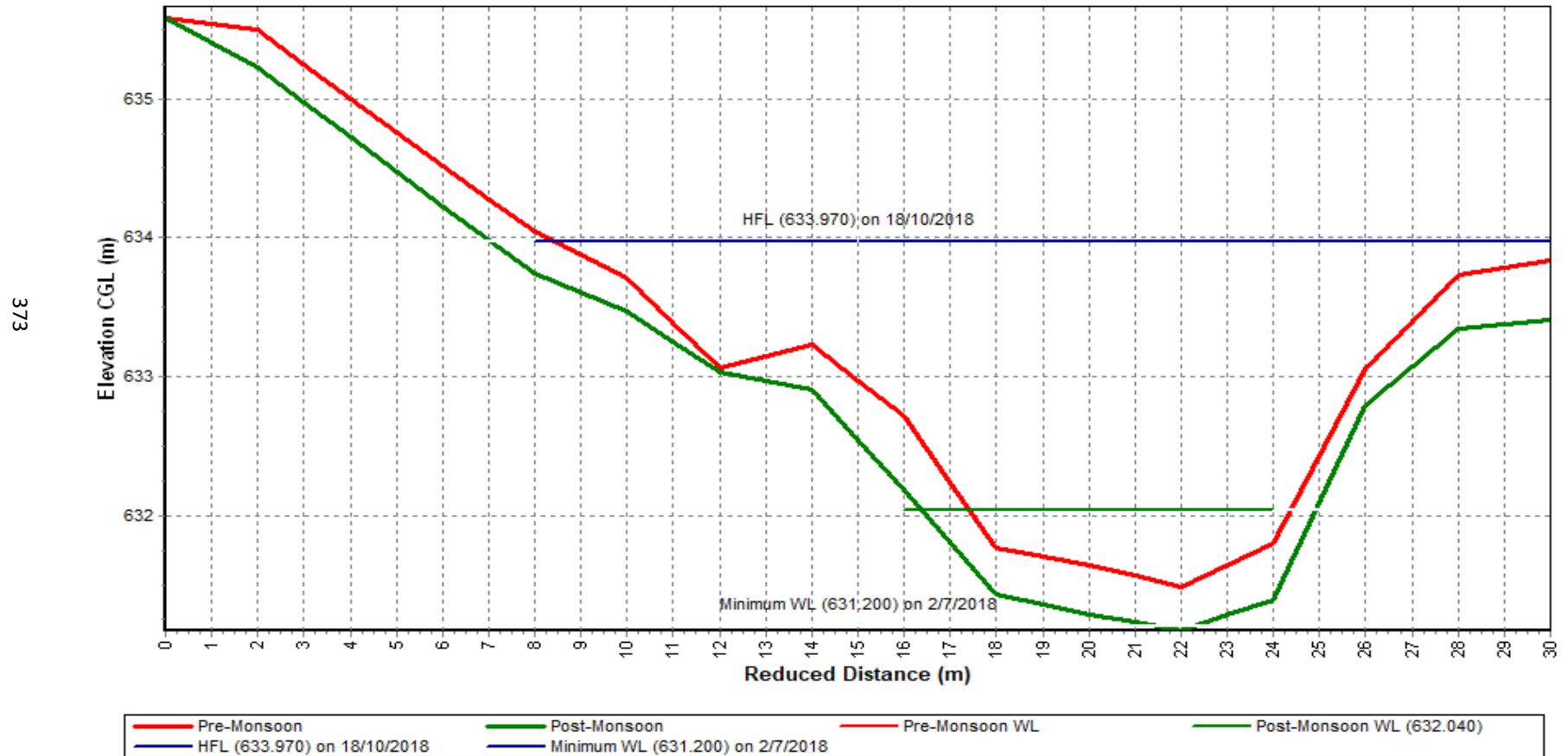
Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : Bendrahalli (CCN00J5)

Local River : Suvarnavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



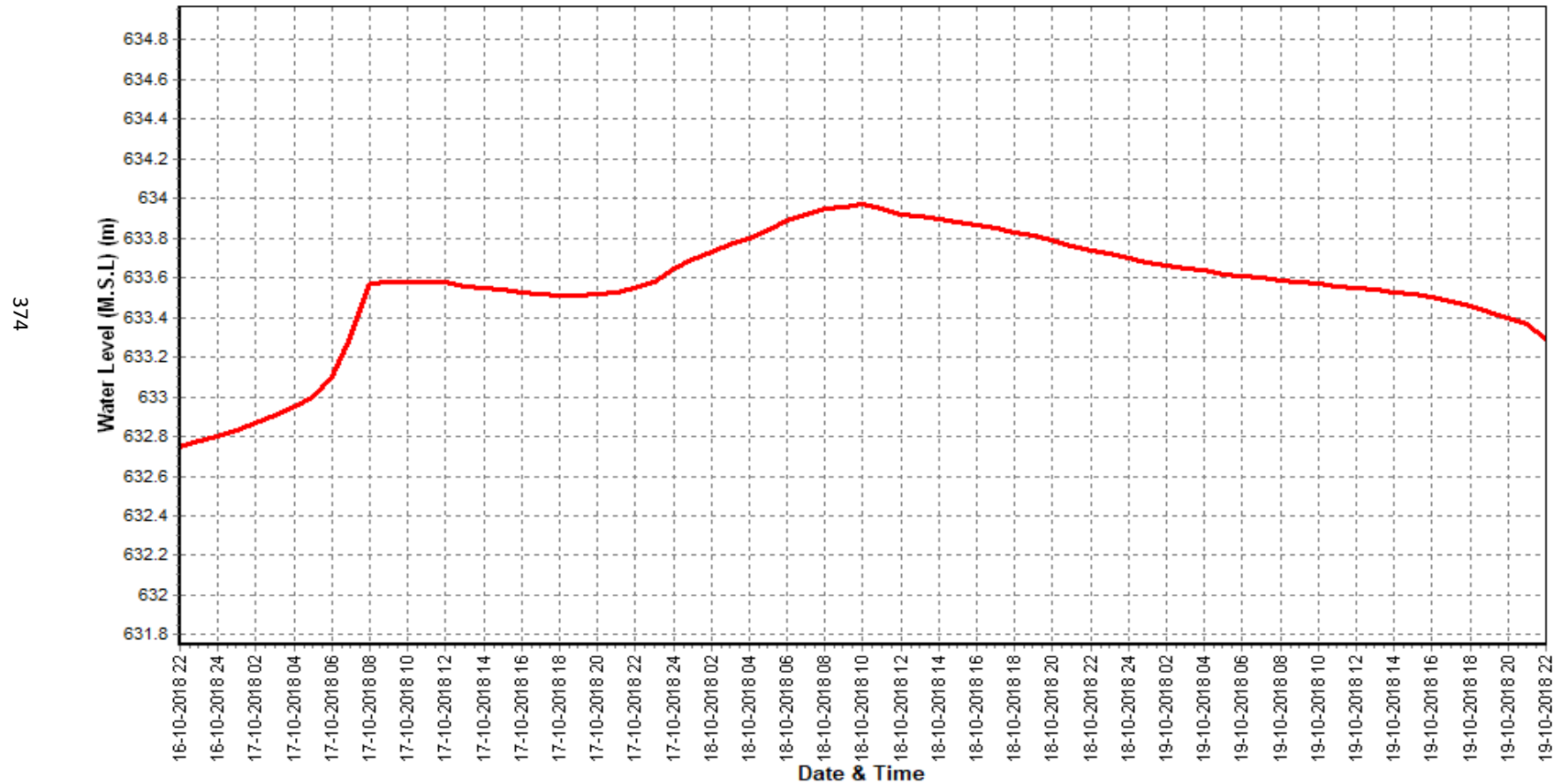
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : Bendrahalli (CCN00J5)

Local River : Suvarnavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

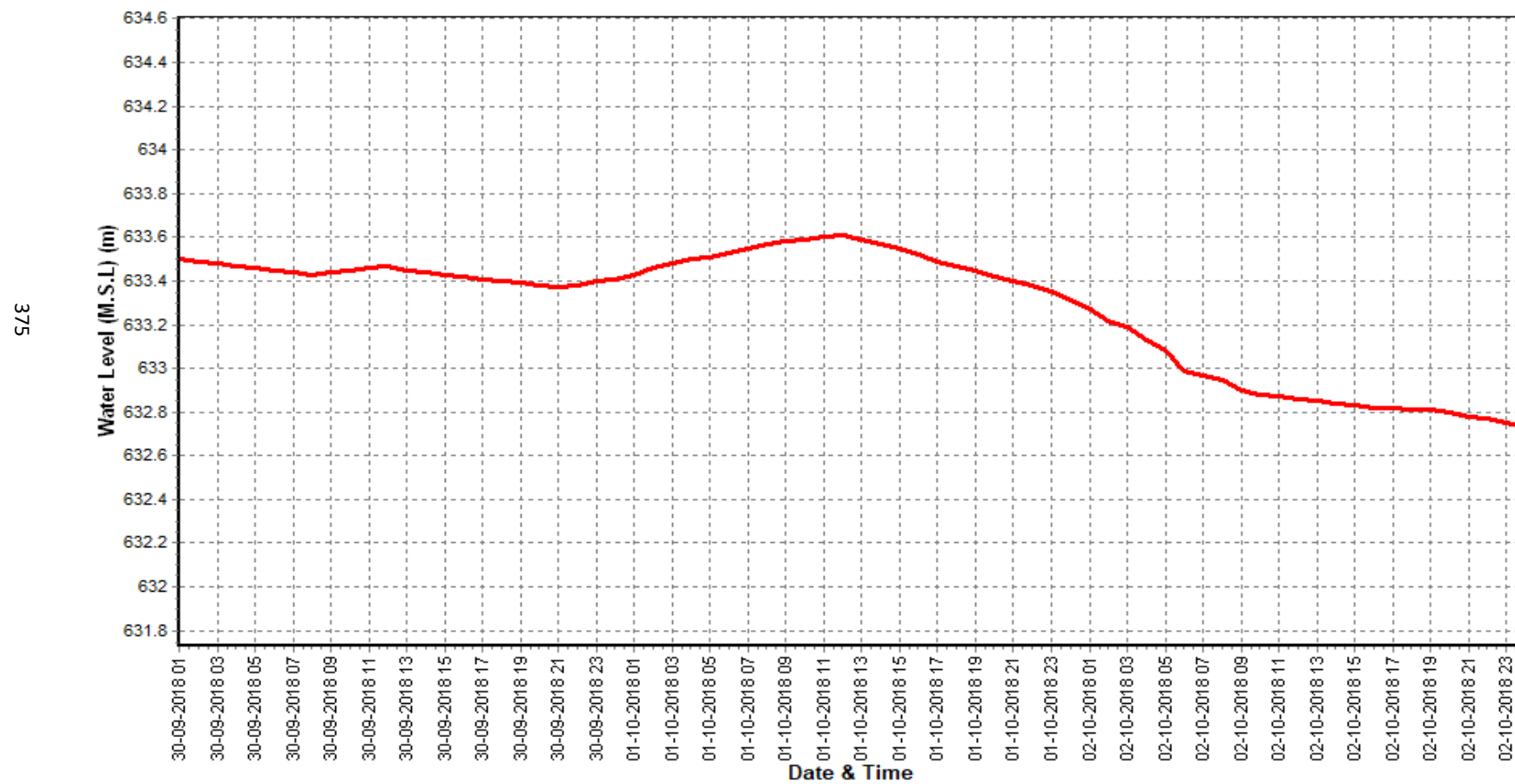


Time Span: 72 Hrs

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : Bendrahalli (CCN00J5)
Local River : Suvarnavathi

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

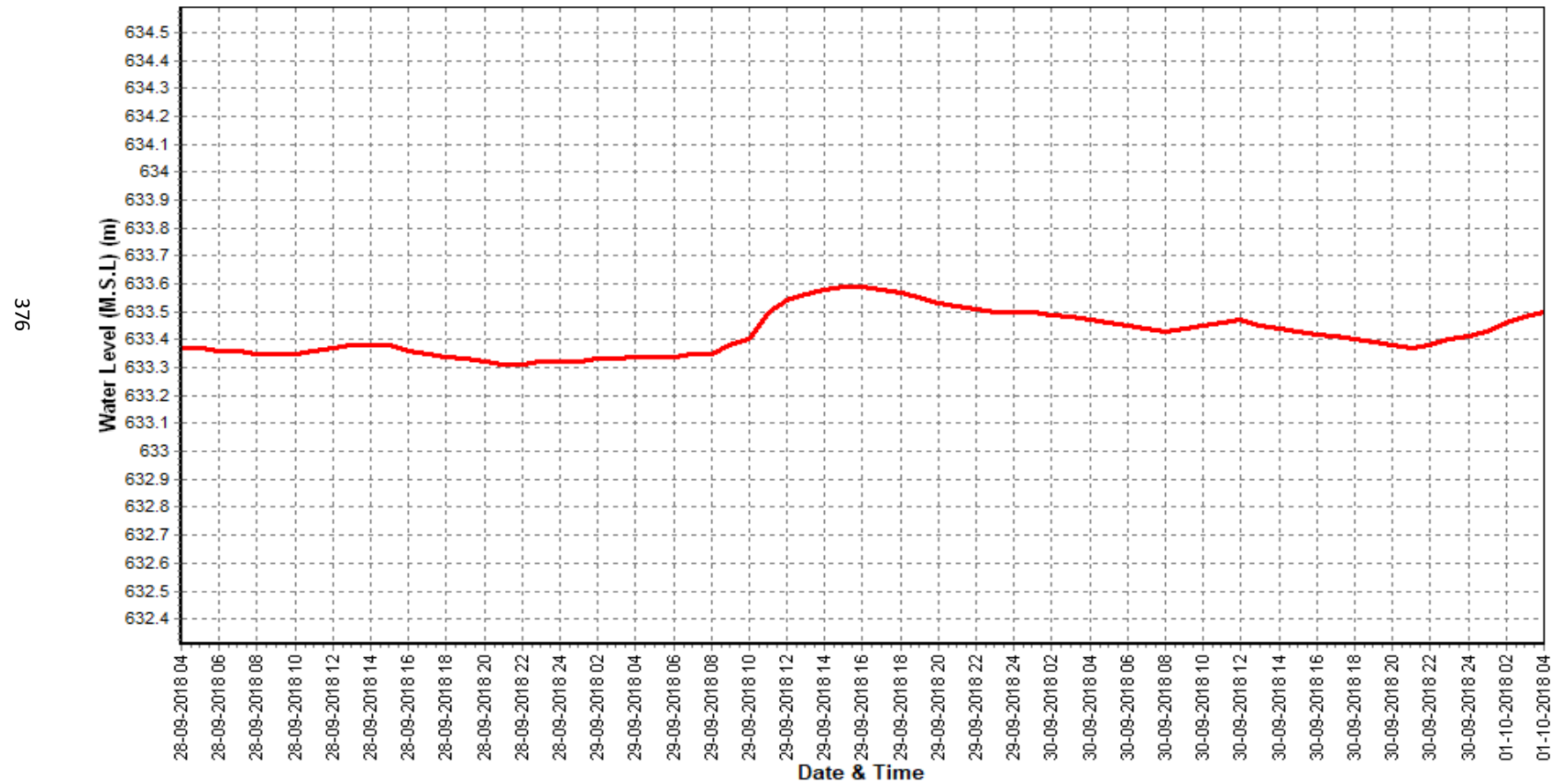


Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : Bendrahalli (CCN00J5)
Local River : Suvarnavathi

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2018-2019

Site : T.Narasipur

Code : CCP00B1

State : Karnataka

District : Mysore

Basin : Cauvery

Independent River : Cauvery

Tributary : Kabini

Sub Tributary :

Sub-Sub Tributary :

Local River : Kabini

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

Drainage Area : 7000 Sq. Km.

Bank : Right

Latitude : 12°13'48"

Longitude : 76°53'39"

Zero of Gauge (m) : 635.000 (m.s.l.)

01-02-71

Opening Date

Closing Date

Gauge : 01-02-71

Discharge : 12-03-71

Sediment : 20-03-72

Water Quality : 01-06-78

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1971-1972	1054	638.775	15-05-72	3.400	635.915	09-04-72
1972-1973	917.5	639.230	19-07-72	2.600	635.920	28-03-73
1973-1974	912.5	639.290	13-07-73	0.700	635.920	11-04-74
1974-1975	1165	640.125	19-08-74	5.300	636.110	11-06-74
1975-1976	1340	641.520	15-08-75	5.800	636.015	21-06-75
1976-1977	1062	639.008	05-08-76	5.800	636.020	30-12-76
1977-1978	1000	639.073	26-07-77	4.300	635.960	13-06-77
1978-1979	1206	639.638	13-07-78	6.200	636.035	24-01-79
1979-1980	2325	641.220	04-08-79	5.500	636.085	18-01-80
1980-1981	1975	642.260	05-07-80	12.10	635.978	18-02-81
1981-1982	1203	641.815	19-08-81	20.20	636.060	31-03-82
1982-1983	701.4	638.620	14-08-82	13.20	635.810	25-02-83
1983-1984	1382	640.105	24-07-83	9.900	635.855	05-04-84
1984-1985	1826	641.220	04-07-84	6.200	635.750	04-02-85
1985-1986	1251	639.630	29-06-85	9.700	635.825	28-01-86
1986-1987	1005	639.330	10-08-86	4.800	635.705	28-03-87
1987-1988	680.4	638.220	20-11-87	6.329	635.620	11-04-88
1988-1989	947.1	639.155	05-08-88	4.573	635.600	28-06-88
1989-1990	1902	640.470	25-07-89	4.828	637.145	09-02-90
1990-1991	855.0	638.935	17-08-90	6.000	635.550	24-02-91
1991-1992	1581	643.187	29-07-91	6.118	635.465	03-03-92

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1992-1993	1508	640.095	24-06-92	5.791	635.570	01-06-92
1993-1994	924.8	639.048	17-08-93	3.336	635.360	19-03-94
1994-1995	2006	642.390	17-07-94	5.500	635.355	18-01-95
1995-1996	1169	639.230	04-09-95	3.858	635.240	05-02-96
1996-1997	710.0	638.360	26-07-96	3.985	635.240	06-02-97
1997-1998	1465	640.050	03-08-97	5.500	635.350	04-02-98
1998-1999	1043	639.050	03-07-98	6.600	635.530	04-02-99
1999-2000	1120	639.165	20-07-99	2.400	635.450	12-02-00
2000-2001	1238	640.295	29-08-00	12.01	635.540	16-02-01
2001-2002	1206	639.341	11-07-01	5.645	635.470	09-02-02
2002-2003	1082	639.083	19-08-02	1.865	635.420	09-03-03
2003-2004	231.1	637.360	21-10-03	2.584	635.550	19-06-03
2004-2005	917.5	639.130	05-08-04	1.645	635.260	15-02-05
2005-2006	2291	641.295	03-08-05	3.195	635.340	10-02-06
2006-2007	902.4	639.240	19-08-06	2.595	635.050	12-02-07
2007-2008	1752	640.780	18-07-07	7.030	635.005	03-02-08
2008-2009	1241	640.025	14-08-08	2.677	634.870	25-01-09
2009-2010	1675	639.300	19-07-09	2.732	634.650	07-02-10
2010-2011	366.2	637.090	01-08-10	9.229	634.810	30-04-11
2011-2012	958.3	638.840	05-09-11	6.418	634.550	05-02-12
2012-2013	342.7	636.965	10-08-12	0.000	634.360	16-03-13
2013-2014	921.2	640.440	04-08-13	0.000	634.470	01-06-13
2014-2015	1035	639.130	08-08-14	0.000	634.660	06-06-14
2015-2016	388.4	636.970	30-06-15	0.000	634.290	26-01-16
2016-2017	194.4	636.130	09-09-16	0.000	634.420	16-05-17
2017-2018	268.8	636.570	28-09-17	0.000	634.520	12-01-18

Stage-Discharge Data for the period 2018 - 2019

Station Name : T.Narasipur (CCP00B1)

Division : Cauvery Division, Bangalore

Local River : Kabini

Sub-Division : Upper Cauvery SD, Bangalore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	634.790	25.39	636.000	219.2 *	636.150	400.4 #	636.300	380.6	634.920	47.95	634.950	79.70
2	634.820	23.85	635.650	139.4	636.150	400.4 #	635.750	200.6 *	634.870	45.94 *	634.980	88.51
3	635.300	39.54 *	635.490	129.4	636.640	543.7	635.430	144.2	634.990	51.96	634.980	90.09
4	635.210	45.87	635.470	128.5	635.950	349.7	635.350	64.56	634.950	49.09	635.030	93.21 *
5	635.100	28.57	635.400	123.7	635.970	353.3 *	635.270	60.92	634.990	86.51 #	634.950	80.28
6	635.090	27.99	634.870	48.49	635.900	339.5	635.450	149.3	635.070	110.7	634.860	64.90
7	634.990	25.20	634.810	44.82	635.550	256.2	635.430	144.7	635.060	98.40 *	634.850	63.67
8	634.890	23.75	635.730	162.0 *	635.530	251.1	635.280	62.29	634.970	98.62	634.830	62.49 *
9	634.850	22.42	637.600	788.3 *	637.400	809.3	635.280	61.27 *	635.030	105.7	634.840	62.89
10	634.850	23.50 *	637.610	793.2 *	639.700	2010	635.180	56.78	635.630	211.9	634.850	63.69
11	634.900	24.35	637.760	1021	640.400	2249	635.170	55.32	635.450	183.6	634.840	63.87 *
12	634.910	25.05	638.040	1152	640.130	1953 *	635.300	63.38	635.100	115.5	634.860	56.14
13	634.940	26.70	638.230	1236	639.400	1688	635.230	59.26 *	634.970	100.6	634.880	65.21
14	634.990	27.97	638.040	1152	639.470	1856	635.190	56.61	634.890	70.99 *	634.850	58.65
15	634.960	26.63	639.080	1719 *	640.660	2245 *	635.190	56.45	635.330	152.6	634.850	61.15
16	637.810	234.2 *	639.600	1944	640.910	2757	635.200	58.07 *	635.260	116.7	634.850	61.06
17	637.710	222.5 *	639.550	1941	641.000	2200	635.300	64.24	635.600	209.2	634.910	69.42
18	635.770	152.0	639.420	1825	641.420	2300	635.180	56.29	635.540	203.6 *	634.900	72.47 *
19	635.020	57.07 #	638.040	1152	641.280	2100	635.100	53.91	636.100	381.7 *	634.850	67.76
20	634.850	28.64	638.420	1248	640.200	1923	635.050	52.30	635.670	221.8	634.850	64.74
21	634.810	40.69	637.900	1107	639.080	1323	635.070	53.09 *	635.640	230.9 *	634.850	65.25 *
22	637.010	529.7 *	638.740	1468 *	637.090	593.9 *	634.950	49.20	635.220	156.9	634.790	56.44
23	636.350	240.1	638.540	1304	636.150	220.2	634.950	48.73 *	635.160	114.3	634.920	75.47 *
24	635.980	214.6 *	638.490	1280	636.200	230.1	635.295	63.45	634.860	73.03	634.890	66.83
25	635.530	132.9	637.820	972.1	636.760	525.9	635.760	82.61 #	634.850	53.23	634.950	80.10 *
26	634.820	40.91	638.310	1154	636.850	512.7 *	635.450	68.40 #	634.790	56.39	634.950	80.08
27	634.570	22.56	638.140	1090	635.955	198.9	635.290	62.65	634.780	55.36	634.900	70.51
28	634.670	25.11	637.630	986.6	635.730	196.9	635.180	56.33	634.780	55.87 *	634.860	64.61
29	636.355	233.3	637.080	557.3 *	635.750	243.7	635.150	54.19	634.840	73.92	634.860	64.55
30	637.010	529.7 *	636.480	255.9	636.160	364.1	635.170	56.90 *	634.880	86.83	634.880	64.26
31			636.280	231.1	636.380	432.7			634.940	78.86		
Ten-Daily Mean												
I Ten-Daily	634.989	28.61	635.863	257.7	636.494	571.4	635.472	132.5	635.048	90.67	634.912	74.94
II Ten-Daily	635.586	82.51	638.618	1439	640.487	2127	635.191	57.58	635.391	175.6	634.864	64.05
III Ten-Daily	635.710	201.0	637.765	946.0	636.555	440.2	635.226	59.55	634.976	94.14	634.885	68.81
Monthly												
Min.	634.570	22.42	634.810	44.82	635.530	196.9	634.950	48.73	634.780	45.94	634.790	56.14
Max.	637.810	529.7	639.600	1944	641.420	2757	636.300	380.6	636.100	381.7	635.030	93.21
Mean	635.429	104	637.426	883	637.804	1027	635.297	83.22	635.133	119.3	634.887	69.27

Annual Runoff in MCM = 6448 Annual Runoff in mm = 921

Peak Observed Discharge = 2757 cumecs on 16-08-2018 Corres. Water Level :640.91 m

Lowest Observed Discharge = 7.017 cumecs on 11-02-2019 Corres. Water Level :634.28 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : T.Narasipur (CCP00B1)

Division : Cauvery Division, Bangalore

Local River : Kabini

Sub-Division : Upper Cauvery SD, Bangalore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	634.850	57.50	634.420	15.83 *	634.350	8.018	634.430	19.92	634.400	22.29	634.680	36.31
2	634.810	54.16 *	634.390	13.94 *	634.450	20.76	634.380	17.33	634.390	21.74	634.770	57.00
3	634.800	41.10	634.390	14.53	634.450	18.62 *	634.350	17.21 *	634.350	19.59	634.590	27.90
4	634.760	53.72	634.370	10.25	634.530	28.08	634.320	14.40	634.320	15.69	634.500	24.81
5	634.670	36.41	634.370	9.025	634.480	25.98	634.290	13.35	634.290	14.11	634.480	25.31 *
6	634.660	35.93	634.350	9.774 *	634.480	25.90	634.300	13.69	634.300	14.23	634.480	24.14
7	634.640	35.08	634.350	8.716	634.420	19.63	634.350	18.11	634.300	14.47 *	634.560	29.20
8	634.610	33.83	634.350	8.429	634.340	7.573	634.350	18.15	634.400	22.48	634.500	24.76
9	634.580	28.38 *	634.510	25.49	634.310	7.130	634.380	19.87	634.420	23.61	634.450	23.43
10	634.570	31.01	634.570	30.68	634.220	2.931 *	634.300	14.47 *	634.560	29.30	634.400	20.75
11	634.600	32.51	634.560	27.91	634.280	7.017	634.350	18.20	634.430	23.40	634.490	22.93
12	634.580	30.20	634.550	26.87	634.390	18.34	634.350	18.20	634.350	18.59	634.500	26.68 *
13	634.570	29.57	634.450	18.62 *	634.410	22.54	634.360	18.37	634.450	23.50	634.460	22.56
14	634.550	28.22	634.390	12.91 #	634.400	18.75	634.360	18.35	634.430	22.03 *	634.450	22.50
15	634.550	28.09	634.370	11.28 *	634.390	18.39	634.370	18.73	634.480	25.84	634.410	19.91
16	634.550	25.71 *	634.330	9.423	634.390	19.38	634.370	18.76	634.400	21.57	634.460	22.53
17	634.530	27.15	634.310	9.049	634.360	17.78 *	634.360	17.78 *	634.400	20.16 *	634.660	40.05
18	634.510	25.97	634.340	10.24	634.610	34.79 #	634.400	22.50	634.450	23.32 *	634.450	23.32 *
19	634.510	25.38	634.440	21.36	634.620	44.17	634.400	22.29	634.430	22.03 *	634.400	23.00 *
20	634.550	28.18	634.590	37.14 *	634.390	20.34	634.370	18.71	634.440	22.10	634.380	11.17
21	634.550	24.25	634.630	43.88 #	634.270	11.24	634.360	18.29	634.350	17.21 *	634.390	11.22
22	634.580	25.25	634.510	27.81	634.220	10.17	634.340	17.31	634.380	19.50	634.380	11.18
23	634.590	29.31 *	634.500	27.28	634.230	9.071	634.340	17.52	634.560	29.27	634.390	11.40
24	634.590	25.88	634.520	29.42	634.320	15.54 *	634.340	16.64 *	634.570	30.59	634.390	11.42
25	634.550	25.71 *	634.540	28.68	634.380	18.14	634.370	19.03	634.500	25.93	634.400	12.05
26	634.480	17.45	634.540	29.64 *	634.380	18.03	634.380	19.18	634.440	23.42	634.390	11.55 *
27	634.440	16.54	634.400	13.78 *	634.400	18.70	634.370	18.84	634.420	22.29	634.640	39.98
28	634.440	14.53	634.360	8.750	634.430	19.82	634.350	18.18	634.550	30.25 *	634.670	39.81
29	634.470	16.63	634.350	8.701			634.430	21.53	634.570	29.79	634.640	40.74
30	634.470	19.31 *	634.330	8.650			634.440	22.99	634.580	30.20	634.640	39.98
31	634.480	17.24	634.360	8.738			634.430	22.03 *			634.640	38.90 #
Ten-Daily Mean												
I Ten-Daily	634.695	40.71	634.407	14.67	634.403	16.46	634.345	16.65	634.373	19.75	634.541	29.36
II Ten-Daily	634.550	28.10	634.433	18.48	634.424	22.15	634.369	19.19	634.426	22.25	634.466	23.47
III Ten-Daily	634.513	21.10	634.458	21.39	634.329	15.09	634.377	19.23	634.492	25.84	634.506	24.39
Monthly												
Min.	634.440	14.53	634.310	8.429	634.220	2.931	634.290	13.35	634.290	14.11	634.380	11.17
Max.	634.850	57.50	634.630	43.88	634.620	44.17	634.440	22.99	634.580	30.59	634.770	57.00
Mean	634.584	29.68	634.434	18.28	634.389	18.1	634.364	18.38	634.430	22.62	634.505	25.69

Peak Computed Discharge = 2245 cumecs on 15-08-2018

Corres. Water Level :640.66 m

Lowest Computed Discharge = 2.931 cumecs on 10-02-2019

Corres. Water Level :634.22 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

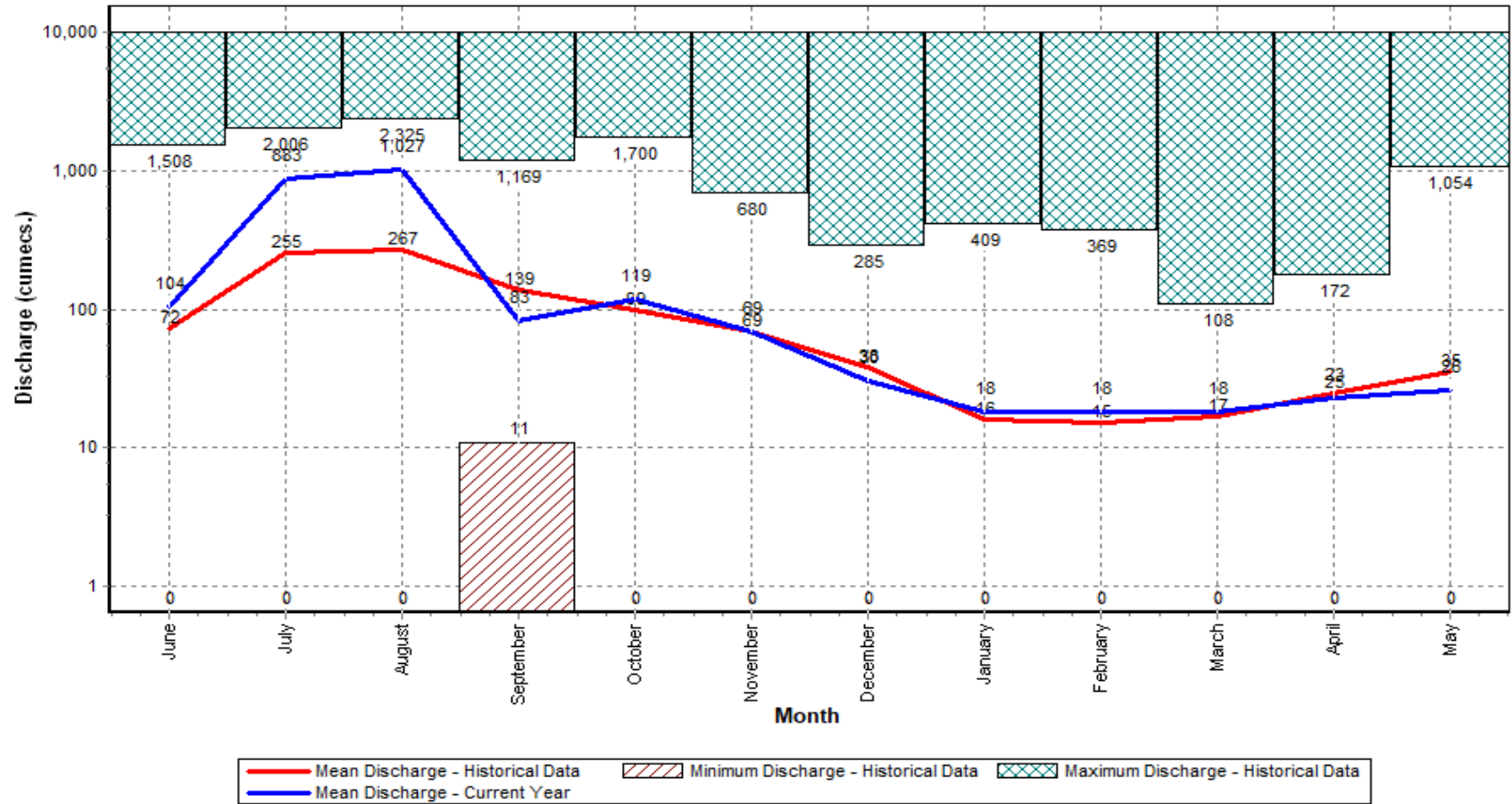
Station Name : T.Narasipur (CCP00B1)

Data considered : 1971-2019

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Annual Runoff Values for the period: 1971 - 2019

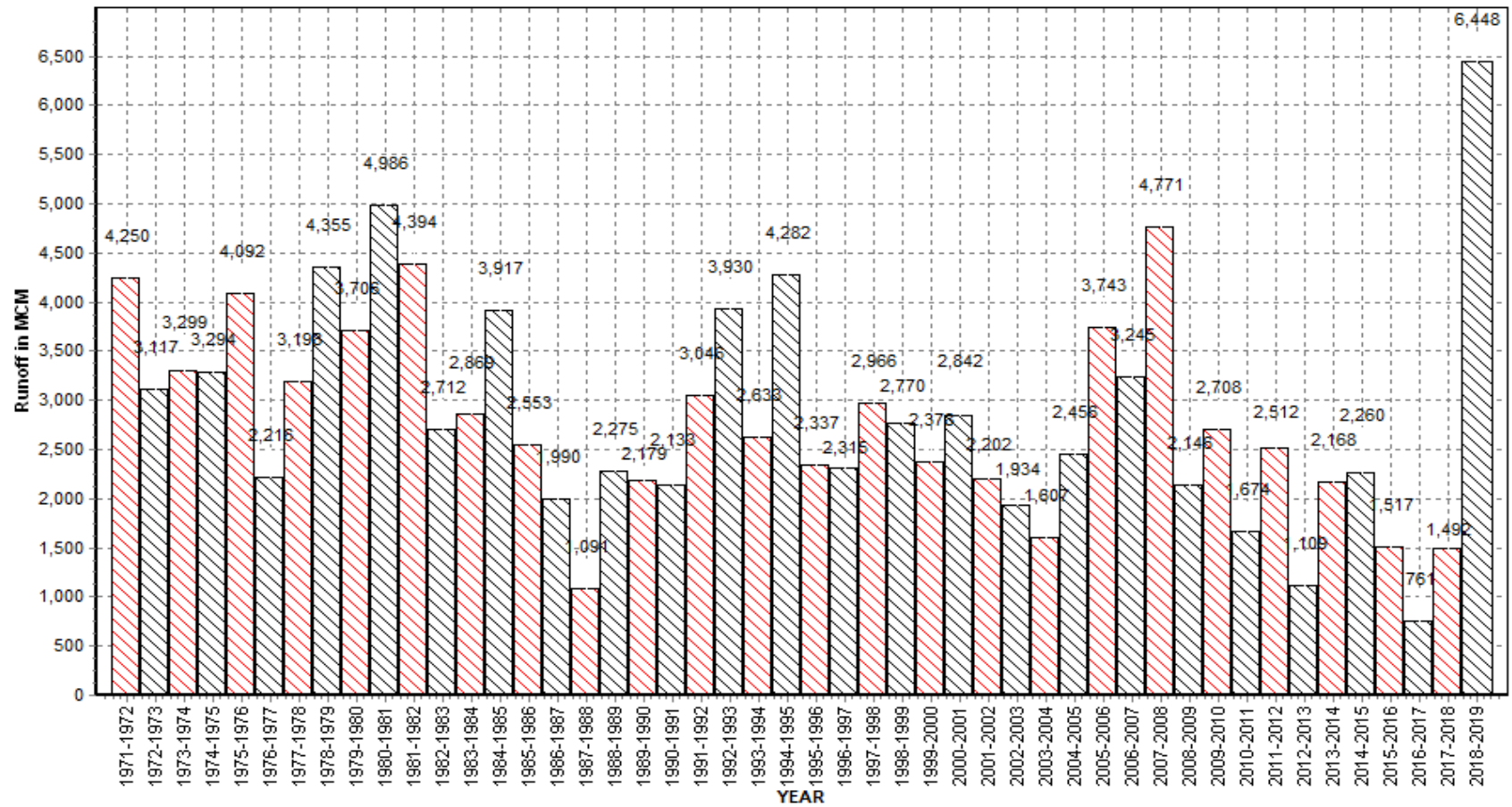
Station Name : T.Narasipur (CCP00B1)

Local River : Kabini

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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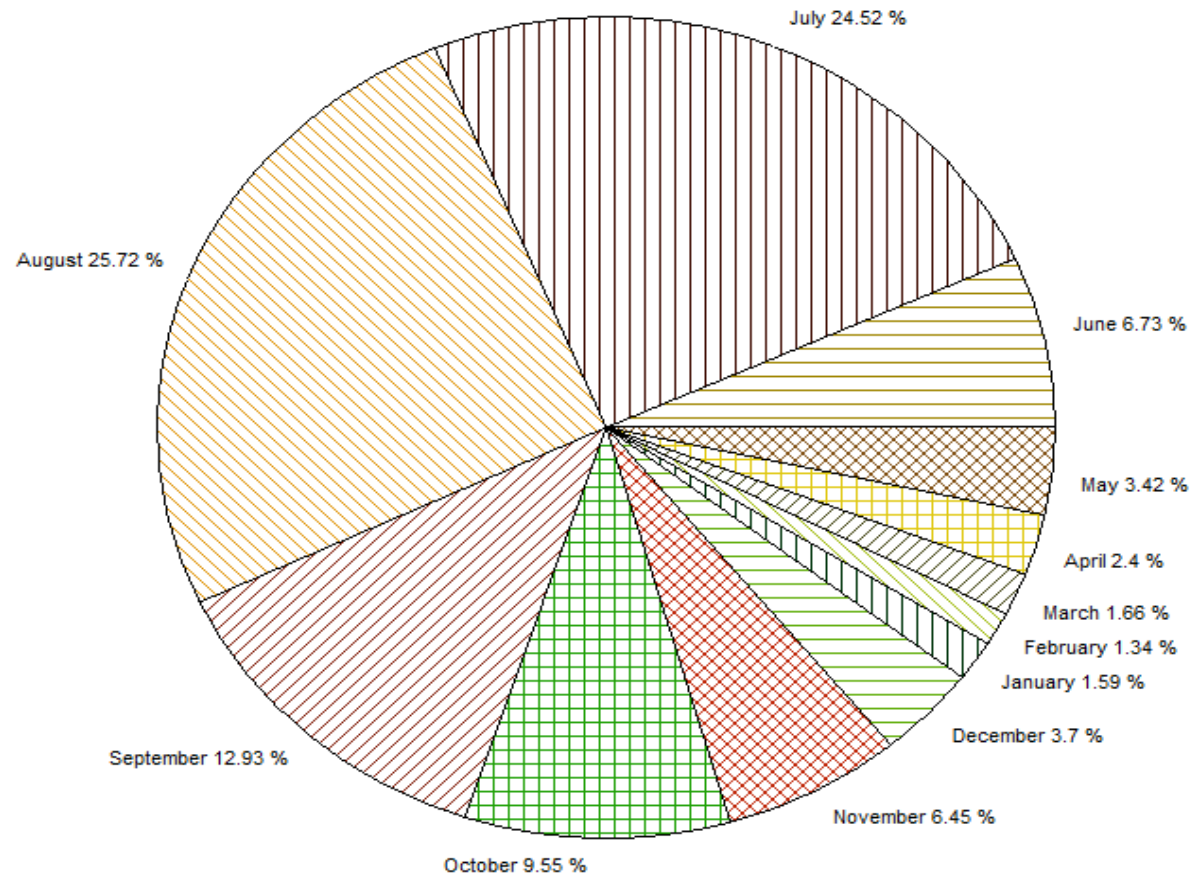


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : T.Narasipur (CCP00B1)
Local River : Kabini

Monthly Average Runoff based on period : 1971-2018

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

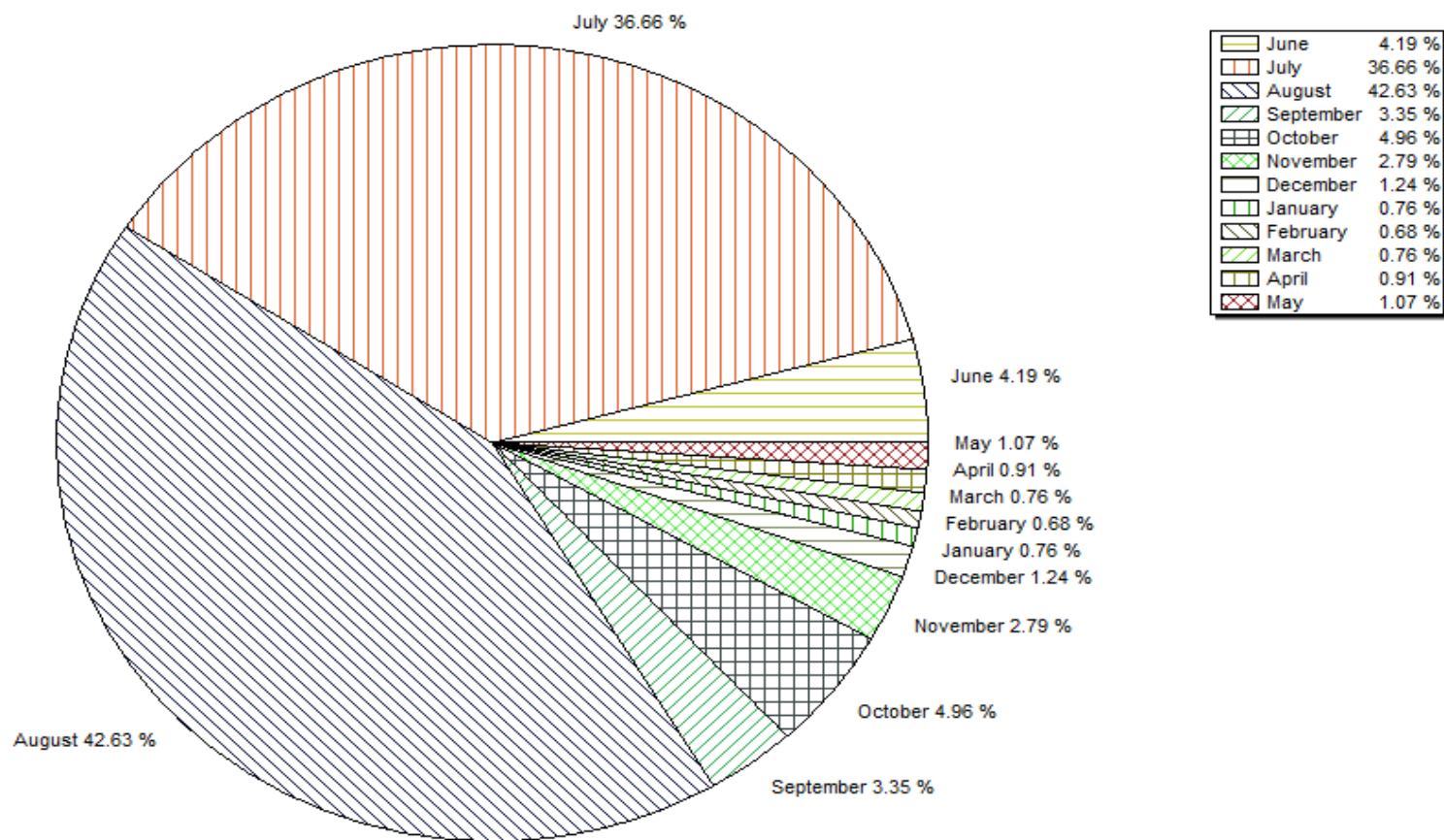


June	6.73 %
July	24.52 %
August	25.72 %
September	12.93 %
October	9.55 %
November	6.45 %
December	3.7 %
January	1.59 %
February	1.34 %
March	1.66 %
April	2.4 %
May	3.42 %

Station Name : T.Narasipur (CCP00B1)
Local River : Kabini

Monthly Runoff for the Year : 2018-2019

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



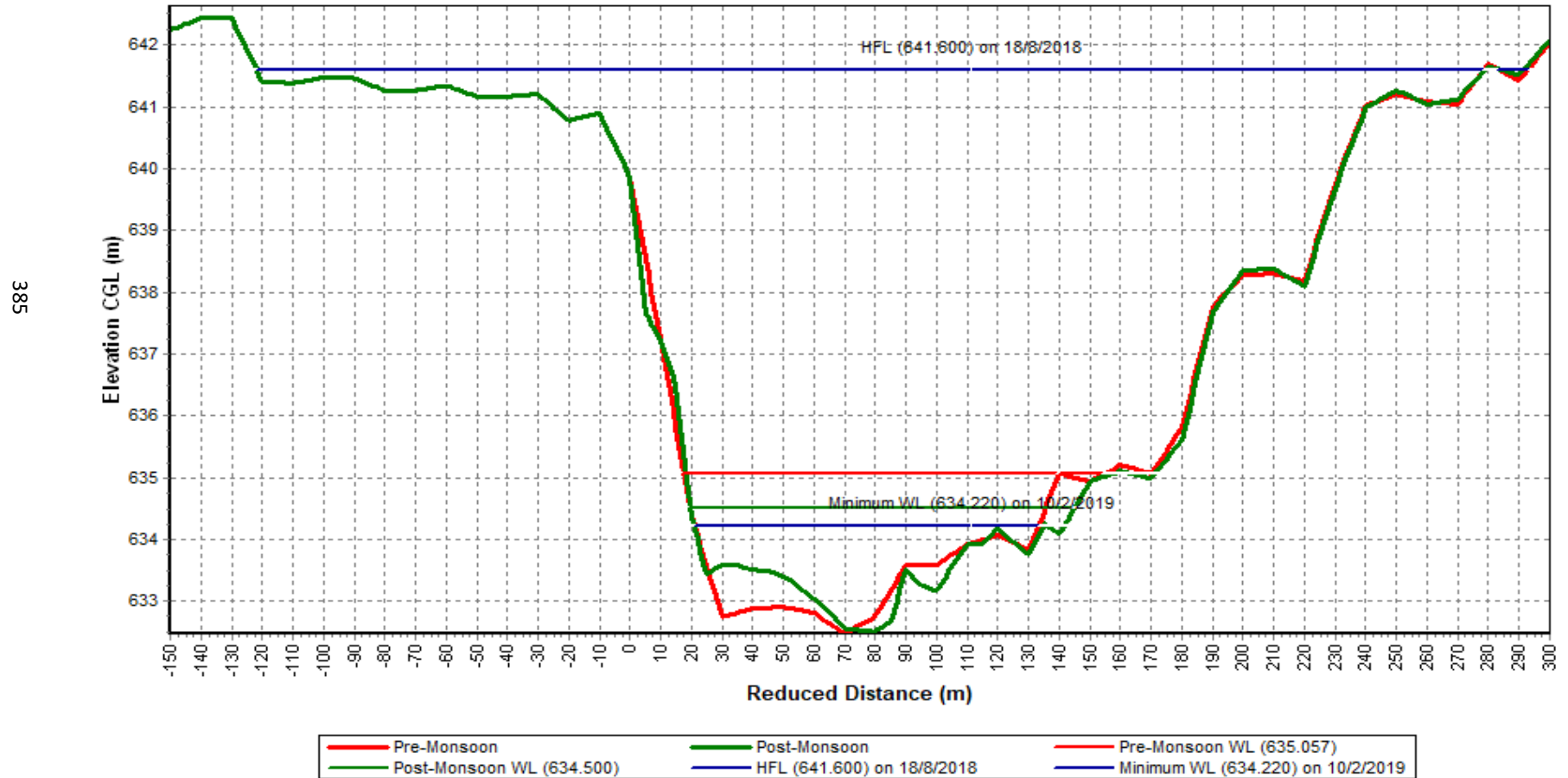
Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : T.Narasipur (CCP00B1)

Local River : Kabini

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



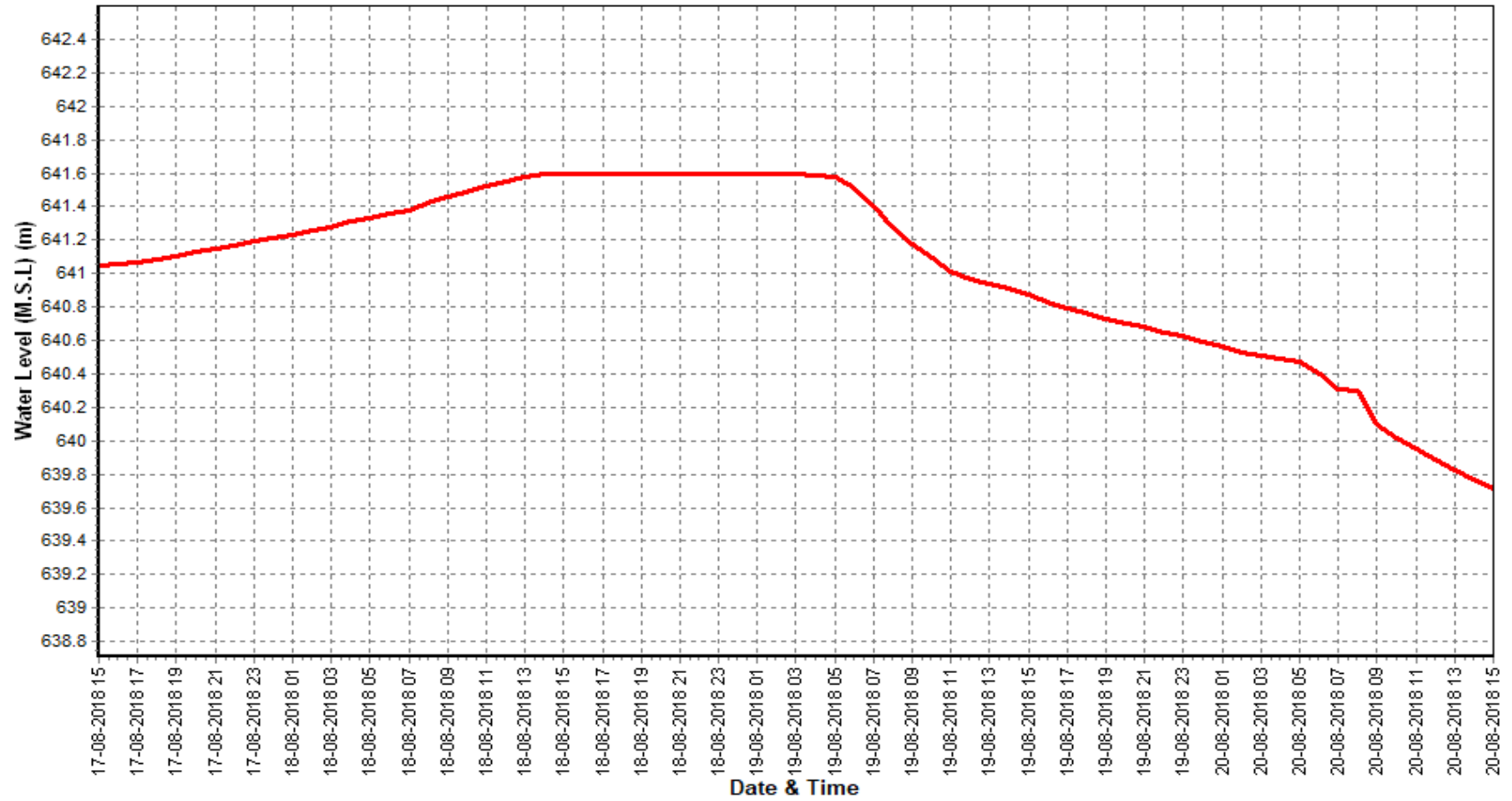
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : T.Narasipur (CCP00B1)

Local River : Kabini

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



Time Span: 72 Hrs

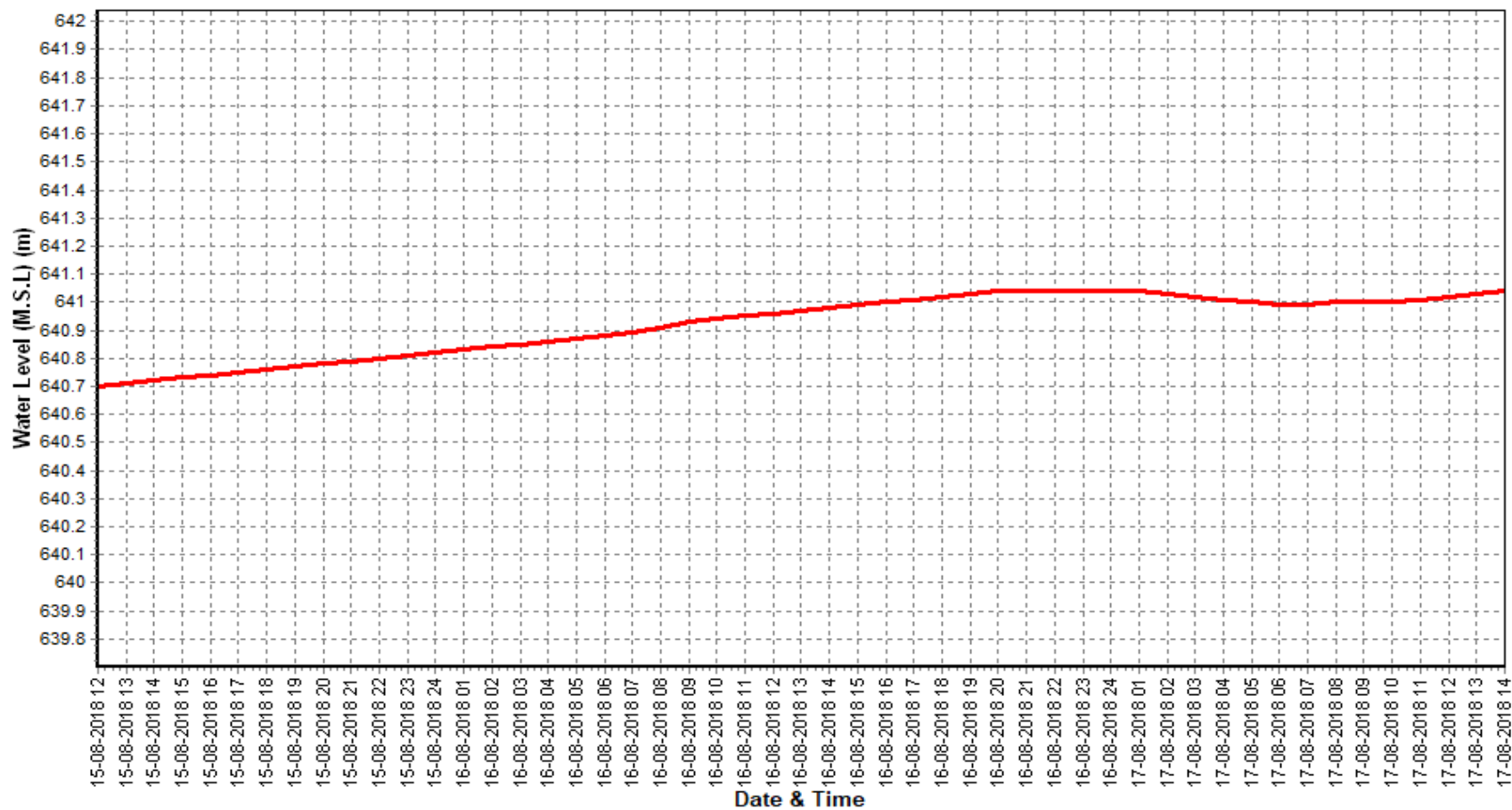
Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : T.Narasipur (CCP00B1)

Local River : Kabini

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



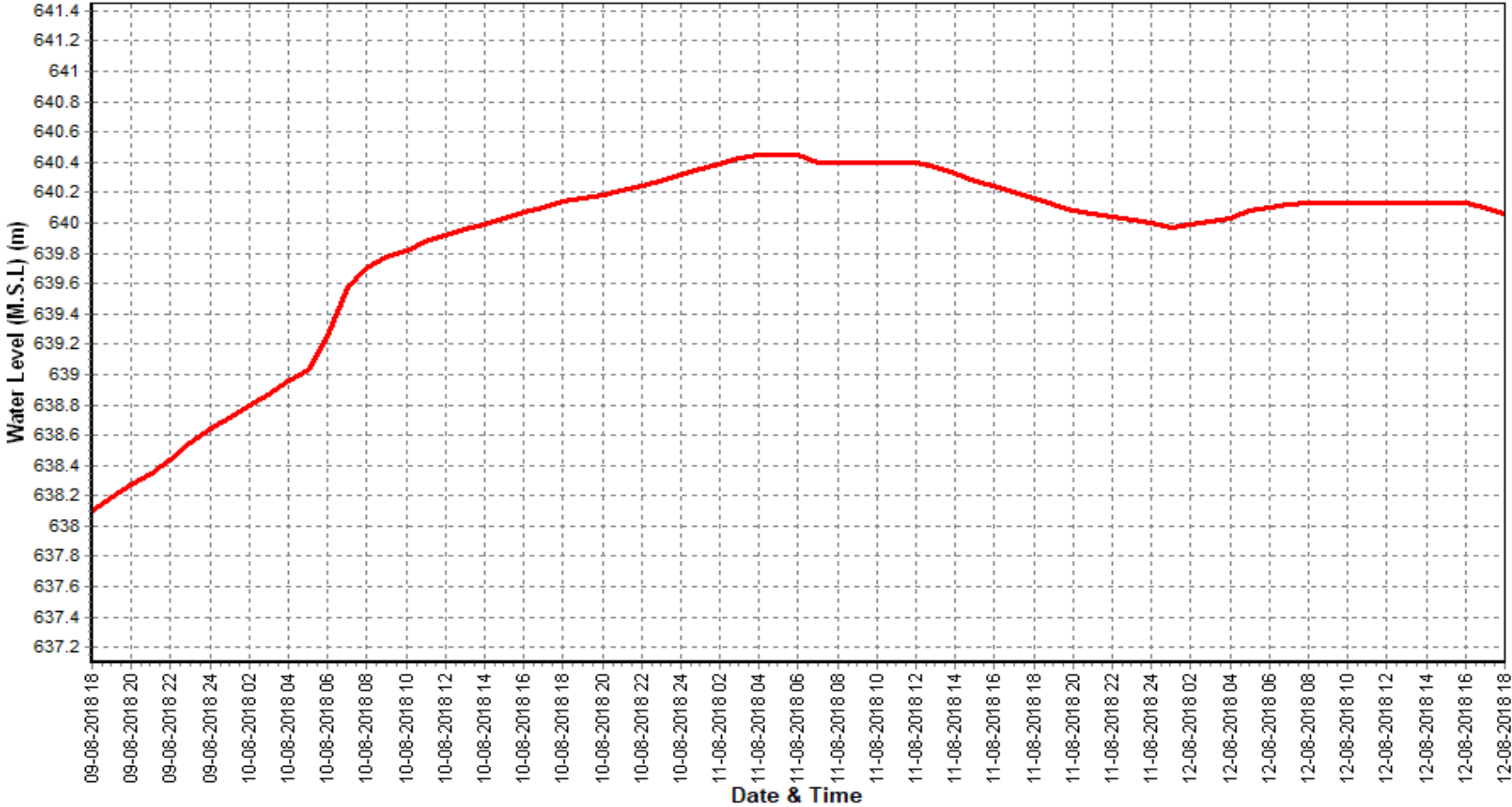
Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : T.Narasipur (CCP00B1)
Local River : Kabini

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

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HISTORY SHEET

Water Year : 2018-2019

Site : MUTHANKERA

Code : CCP00T8

State : Kerala

District : Wayanad

Basin : Cauvery

Independent River : Cauvery

Tributary : Kabini

Sub Tributary : -

Sub-Sub Tributary : -

Local River : Kabini

Division : SWR Division, Cochin

Sub-Division : Chaliyar SD, Calicut

Drainage Area : 1260 Sq. Km.

Bank : Right

Latitude : 11°48'30"

Longitude : 76°05'02"

Zero of Gauge (m) : 705.000 (m.s.l)

01-06-1973

Opening Date

Closing Date

Gauge : 01-06-1973

Discharge : 01-06-1973

Sediment : 15-02-1974

Water Quality : 01-06-1978

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1973-1974	1220	711.605	18-06-1973	1.700	707.165	20-03-1974
1974-1975	1109	711.755	27-07-1974	1.100	707.130	04-04-1975
1975-1976	1150	711.900	14-08-1975	3.000	707.208	30-03-1976
1976-1977	733.2	710.693	24-07-1976	3.200	707.175	27-03-1977
1977-1978	713.9	710.988	27-07-1977	2.200	707.360	20-05-1978
1978-1979	539.0	710.930	25-06-1978	2.500	707.200	13-04-1979
1979-1980	2050	712.100	03-08-1979	0.000	707.360	13-02-1980
1980-1981	1890	712.510	03-07-1980	0.800	706.750	18-03-1981
1981-1982	838.1	711.290	19-08-1981	1.800	707.165	13-04-1982
1982-1983	669.0	710.735	03-08-1982	0.000	707.295	03-02-1983
1983-1984	695.0	711.570	23-07-1983	0.000	707.305	01-06-1983
1984-1985	763.9	711.480	18-06-1984	0.000	707.295	01-06-1984
1985-1986	1073	711.640	27-06-1985	0.900	707.175	02-04-1986
1986-1987	818.5	710.890	09-08-1986	0.000	706.970	22/04/21987
1987-1988	427.3	709.725	26-08-1987	0.625	707.105	03-04-1988
1988-1989	950.8	711.345	19-07-1988	0.000	707.010	17-04-1989
1989-1990	1355	712.370	25-07-1989	0.000	706.985	06-04-1990
1990-1991	685.9	710.570	17-08-1990	0.486	707.105	01-04-1991
1991-1992	1030	711.534	29-07-1991	0.200	707.040	15-04-1992
1992-1993	1584	712.737	22-06-1992	3.962	707.285	20-03-1993
1993-1994	589.4	710.411	02-08-1993	1.379	707.112	26-03-1994

Q : Observed / Computed Discharge

WL : Corresponding Water Level(m.s.l)

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1994-1995	1160	711.850	15-07-1994	0.500	707.080	02-04-1995
1995-1996	765.0	710.920	02-09-1995	0.000	707.060	06/03/01996
1996-1997	600.2	710.398	25-07-1996	1.012	707.145	15-04-1997
1997-1998	782.7	711.010	11-07-1997	1.000	707.170	22-03-1998
1998-1999	882.1	711.215	02-07-1998	0.399	707.070	08-04-1999
1999-2000	770.2	710.905	20-07-1999	0.375	707.045	03-04-2000
2000-2001	875.9	710.990	27-08-2000	0.811	707.120	31-03-2001
2001-2002	907.6	711.095	09-07-2001	1.336	707.235	27-03-2002
2002-2003	591.6	710.490	18-08-2002	0.692	707.090	09-04-2003
2003-2004	409.3	709.805	17-07-2003	0.000	707.025	25-02-2004
2004-2005	969.2	711.280	06-08-2004	0.000	707.135	21-03-2005
2005-2006	1043	711.330	28-07-2005	0.034	707.315	05-06-2005
2006-2007	816.7	711.050	05-07-2006	0.080	707.065	12-04-2007
2007-2008	1595	712.390	18-07-2007	1.653	707.200	05-03-2008
2008-2009	617.2	710.480	30-07-2008	0.920	707.430	12-03-2009
2009-2010	1180	712.250	18-07-2009	1.545	707.380	05-06-2009
2010-2011	550.6	710.410	30-07-2010	2.015	707.175	18-03-2011
2011-2012	574.8	710.360	19-06-2011	0.127	707.250	05-04-2012
2012-2013	493.9	710.250	07-08-2012	0.000	707.245	02-06-2012
2013-2014	833.2	711.555	03-08-2013	0.570	707.100	03-04-2014
2014-2015	789.7	710.810	02-08-2014	0.000	707.430	09-02-2015
2015-2016	792.7	710.880	27-06-2015	0.752	707.420	03-06-2015
2016-2017	572.0	710.205	29-06-2016	0.231	707.060	14-03-2017
2017-2018	524.8	710.190	20-07-2017	0.237	707.050	13-03-2018

Stage-Discharge Data for the period 2018 - 2019

Station Name : MUTHANKERA (CCP00T8)

Division : Cauvery Division, Bangalore

Local River : Kabini

Sub-Division : Upper Cauvery SD, Bangalore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	707.785	27.65	708.740	155.8 *	709.940	482.0	708.830	170.5	708.180	57.07	707.900	35.05
2	707.655	15.66	708.650	125.4	709.760	424.4	708.730	153.9 *	708.160	63.65 *	707.900	36.67
3	707.740	20.98 *	708.520	117.8	709.490	335.5	708.670	133.5	708.100	52.35	707.900	35.97
4	707.605	13.85	708.360	91.03	709.290	273.4	708.610	125.7	708.390	82.74	707.900	34.73 *
5	707.920	35.17	708.290	86.01	709.010	211.2 *	708.560	119.7	708.290	85.91	707.890	34.28
6	707.700	19.39	708.200	79.16	708.800	155.6	708.530	114.5	708.985	178.1	707.880	32.84 *
7	707.620	15.58	709.510	294.2	708.940	198.2	708.490	111.7	708.600	130.2 *	707.860	30.78
8	708.035	50.47	710.490	645.9 *	710.270	563.2	708.410	100.7	708.450	101.2	707.820	27.74
9	709.100	230.6	710.630	772.8	711.730	1105	708.380	94.23 *	708.660	129.4	707.800	26.80
10	709.880	440.5 *	710.810	837.2	713.480	2150 *	708.330	89.61	708.620	122.2	707.790	25.23
11	710.170	506.2	711.220	923.9	712.300	1461 *	708.300	87.35	708.300	87.29	707.750	21.75 *
12	710.390	654.6	711.520	1031	711.230	920.4	708.385	88.13	708.190	58.56	707.770	24.17
13	710.600	743.0	711.290	957.2	710.930	825.1	708.270	81.09	708.140	53.75	707.760	23.90
14	710.770	806.0	711.080	852.5	711.120	885.8	708.240	69.01	708.360	91.22 *	707.760	24.26
15	711.060	869.9 *	710.850	783.8 *	712.130	1371 *	708.230	72.01	708.280	78.76	707.750	21.43
16	710.520	701.0	710.840	858.2	712.850	1767 *	708.210	70.12 *	708.110	61.46	707.740	21.06
17	709.690	384.0 *	711.040	882.2	713.250	2006 *	708.190	64.33	709.115	211.2	707.750	21.84
18	708.960	199.5	711.070	872.3	712.790	1732 *	708.190	61.01	708.440	105.0	707.750	21.75 *
19	708.850	182.3	710.980	850.4	711.850	1230 *	708.110	50.50	708.350	89.73 *	707.880	33.22
20	709.090	224.2	710.740	753.7	711.210	927.9	708.050	47.71	708.260	73.27	707.840	29.21 *
21	709.055	217.7	710.590	683.0 *	710.530	635.7	708.050	47.71	708.620	133.7 *	707.775	22.58
22	709.160	260.4	710.420	620.5 *	709.940	459.1 *	708.030	46.41	708.160	58.78	707.750	21.75 *
23	708.700	161.5	710.300	600.2	709.520	354.8	708.030	48.20 *	708.120	58.06	707.760	22.53 *
24	708.550	121.6 *	710.200	557.4	709.270	270.7	708.250	88.55	708.055	45.34	708.170	67.95
25	708.500	113.4	710.380	619.6	709.100	231.3 *	708.200	64.17	708.000	42.45	707.840	29.21
26	708.700	152.4	710.400	625.6	708.990	206.8 *	708.260	72.62	707.980	37.07	707.810	27.59
27	708.720	156.3	710.245	571.0	708.910	194.1	708.100	52.60	707.960	41.65	707.760	22.53 *
28	709.910	497.2	709.830	411.9	708.965	210.2	708.130	63.03	707.940	38.66 *	707.730	20.84
29	709.850	447.6	709.600	358.4 *	709.390	290.1	708.440	95.07	707.920	36.52	707.720	19.48 *
30	709.160	263.9	709.390	305.4	709.125	259.5	708.400	97.28 *	707.910	35.47	707.720	19.48 *
31			709.330	288.5	708.900	193.8			707.900	35.31		
Ten-Daily Mean												
I Ten-Daily	708.104	86.98	709.220	320.5	710.071	589.9	708.554	121.4	708.444	100.3	707.864	32.01
II Ten-Daily	710.010	527.1	711.063	876.5	711.966	1313	708.217	69.13	708.354	91.02	707.775	24.26
III Ten-Daily	709.031	239.2	710.062	512.8	709.331	300.6	708.189	67.56	708.051	51.18	707.804	27.39
Monthly												
Min.	707.605	13.85	708.200	79.16	708.800	155.6	708.030	46.41	707.900	35.31	707.720	19.48
Max.	711.060	869.9	711.520	1031	713.480	2150	708.830	170.5	709.115	211.2	708.170	67.95
Mean	709.048	284.4	710.113	568.1	710.420	720.4	708.320	86.03	708.276	79.87	707.814	27.89

Annual Runoff in MCM = 4798 Annual Runoff in mm = 3808

Peak Observed Discharge = 1105 cumecs on 09-08-2018 Corres. Water Level :711.73 m

Lowest Observed Discharge = 1.771 cumecs on 06-02-2019 Corres. Water Level :707.41 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : MUTHANKERA (CCP00T8)

Division : Cauvery Division, Bangalore

Local River : Kabini

Sub-Division : Upper Cauvery SD, Bangalore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	707.720	18.93	707.620	12.60 *	707.450	3.701 #	707.290	3.175	707.260	2.744	707.430	2.408
2	707.730	20.84 *	707.600	11.30 *	707.440	1.958	707.240	2.379	707.240	2.359	707.430	2.413
3	707.710	18.37	707.600	11.30 *	707.440	2.355 *	707.310	3.733 *	707.230	2.266	707.420	2.274
4	707.700	18.09	707.570	10.51	707.430	2.054 #	707.340	4.590	707.260	2.735	707.410	2.123
5	707.700	18.22	707.570	10.42	707.420	1.775 #	707.340	4.509	707.250	2.648	707.400	1.682 *
6	707.700	17.47	707.570	9.483 *	707.410	1.771	707.320	4.235	707.240	2.405	707.340	4.419
7	707.690	17.91	707.560	10.07	707.470	3.739	707.310	4.003	707.240	2.517 *	707.300	3.734
8	707.680	16.54	707.560	9.944	707.470	4.029	707.300	3.772	707.230	2.277	707.320	4.187
9	707.680	16.86 *	707.560	10.02	707.460	3.508	707.290	3.600	707.210	2.156	707.340	4.496
10	707.670	15.73	707.550	9.556	707.460	3.024 *	707.280	3.182 *	707.250	2.691	707.350	5.078
11	707.670	15.60	707.550	9.444	707.470	3.321	707.300	3.870	707.290	3.710	707.330	4.284
12	707.660	14.82	707.540	8.551	707.460	2.784	707.280	3.449	707.320	4.358	707.380	5.717 *
13	707.660	14.90	707.540	7.808 *	707.450	2.346	707.270	3.013	707.290	3.636	707.420	6.948 #
14	707.650	14.48	707.540	8.495	707.440	1.818	707.260	2.730	707.280	3.182 *	707.350	4.891
15	707.640	12.72	707.540	8.478	707.430	2.164	707.250	2.628	707.270	3.008 *	707.360	5.226
16	707.640	13.95 *	707.530	8.231	707.420	1.876	707.250	2.564	707.260	2.741	707.350	4.943
17	707.630	13.58	707.520	7.953	707.400	5.668 *	707.250	2.676 *	707.250	2.676 *	707.430	2.484
18	707.630	13.31	707.520	7.892	707.370	4.810	707.240	2.498	707.610	11.54	707.430	2.756 *
19	707.630	12.47	707.510	6.650	707.430	5.090	707.230	2.379	707.500	5.690 *	707.400	1.796 *
20	707.630	12.74	707.510	6.287 *	707.350	4.670	707.220	2.302	707.580	11.18	707.420	2.364
21	707.620	12.81	707.500	6.052	707.330	4.028	707.300	3.795	707.660	18.53 *	707.430	2.724
22	707.620	12.66	707.490	5.368	707.330	4.076	707.290	3.667	707.570	10.84	707.480	4.335
23	707.620	12.60 *	707.490	5.346	707.320	4.021	707.290	3.670	707.510	6.888	707.480	4.375
24	707.620	12.43	707.490	5.215	707.320	3.927 *	707.280	3.182 *	707.560	10.45	707.510	6.842
25	707.740	21.68 *	707.480	4.767	707.310	3.378	707.270	2.903	707.480	4.862	707.490	5.938
26	707.695	16.53	707.480	4.914 *	707.300	3.314	707.250	2.610	707.460	3.554	707.480	4.788 *
27	707.650	14.58	707.480	4.914 *	707.310	3.574	707.250	2.607	707.450	3.209	707.430	2.808
28	707.640	13.95 *	707.470	3.957	707.290	3.196	707.240	2.468	707.430	2.597 *	707.480	4.318
29	707.640	13.95 *	707.460	2.892			707.230	2.338	707.420	2.318	707.440	3.543
30	707.640	13.95 *	707.460	2.964			707.230	2.346	707.420	2.266 *	707.430	2.799
31	707.630	12.81	707.450	3.701 #			707.220	2.215 *			707.420	2.558
Ten-Daily Mean												
I Ten-Daily	707.698	17.89	707.576	10.52	707.445	2.791	707.302	3.718	707.241	2.480	707.374	3.281
II Ten-Daily	707.644	13.86	707.530	7.979	707.422	3.455	707.255	2.811	707.365	5.171	707.387	4.141
III Ten-Daily	707.647	14.36	707.477	4.554	707.314	3.689	707.259	2.891	707.496	6.551	707.461	4.093
Monthly												
Min.	707.620	12.43	707.450	2.892	707.290	1.771	707.220	2.215	707.210	2.156	707.300	1.682
Max.	707.740	21.68	707.620	12.60	707.470	5.668	707.340	4.590	707.660	18.53	707.510	6.948
Mean	707.662	15.34	707.526	7.583	707.399	3.285	707.272	3.132	707.367	4.734	707.409	3.847

Peak Computed Discharge = 2150 cumecs on 10-08-2018

Corres. Water Level :713.48 m

Lowest Computed Discharge = 1.682 cumecs on 05-05-2019

Corres. Water Level :707.4 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

Station Name : MUTHANKERA (CCP00T8)

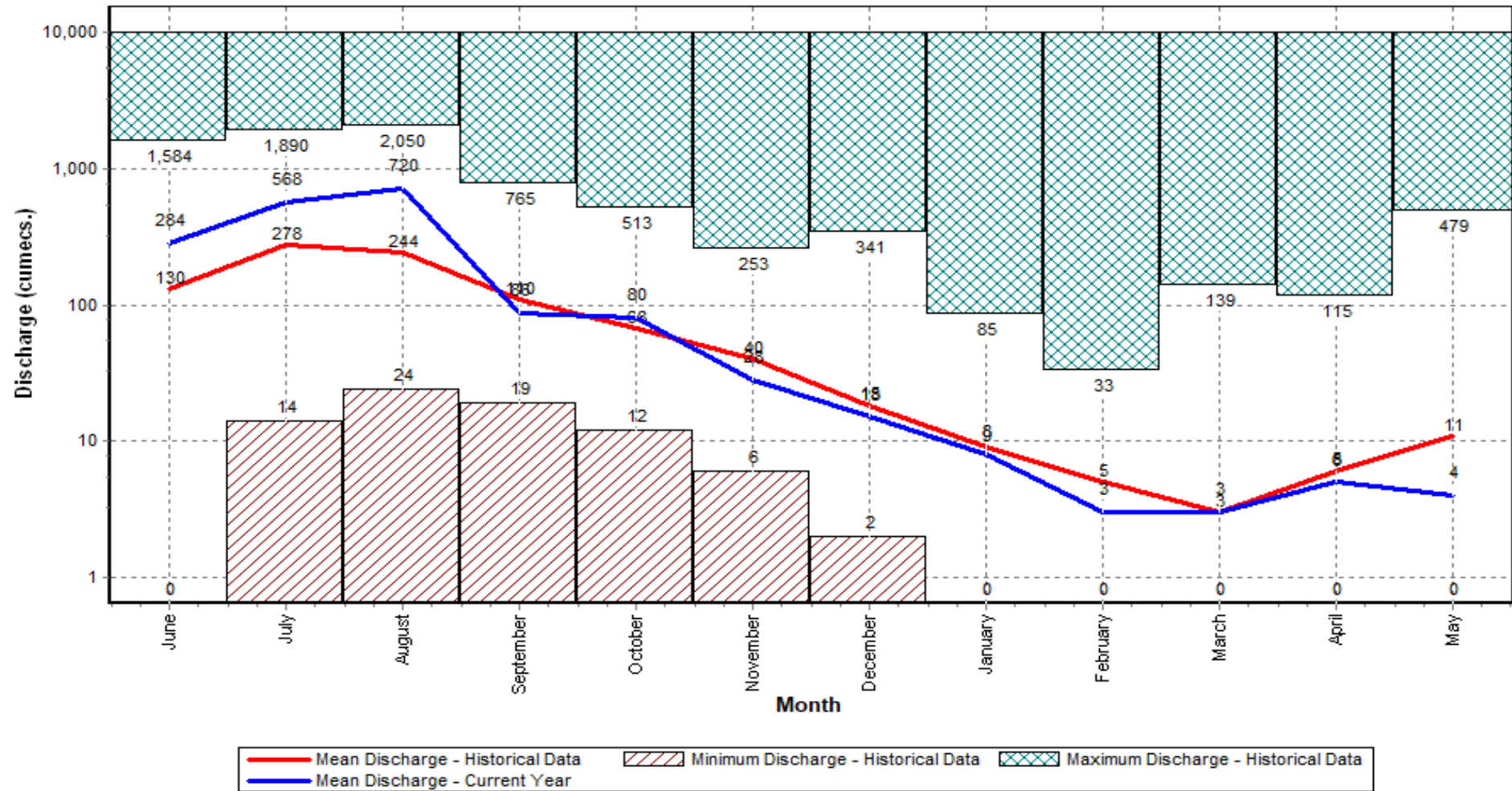
Data considered : 1973-2019

Division : Cauvery Division, Bangalore

Local River : Kabini

Sub-Division : Upper Cauvery SD, Bangalore

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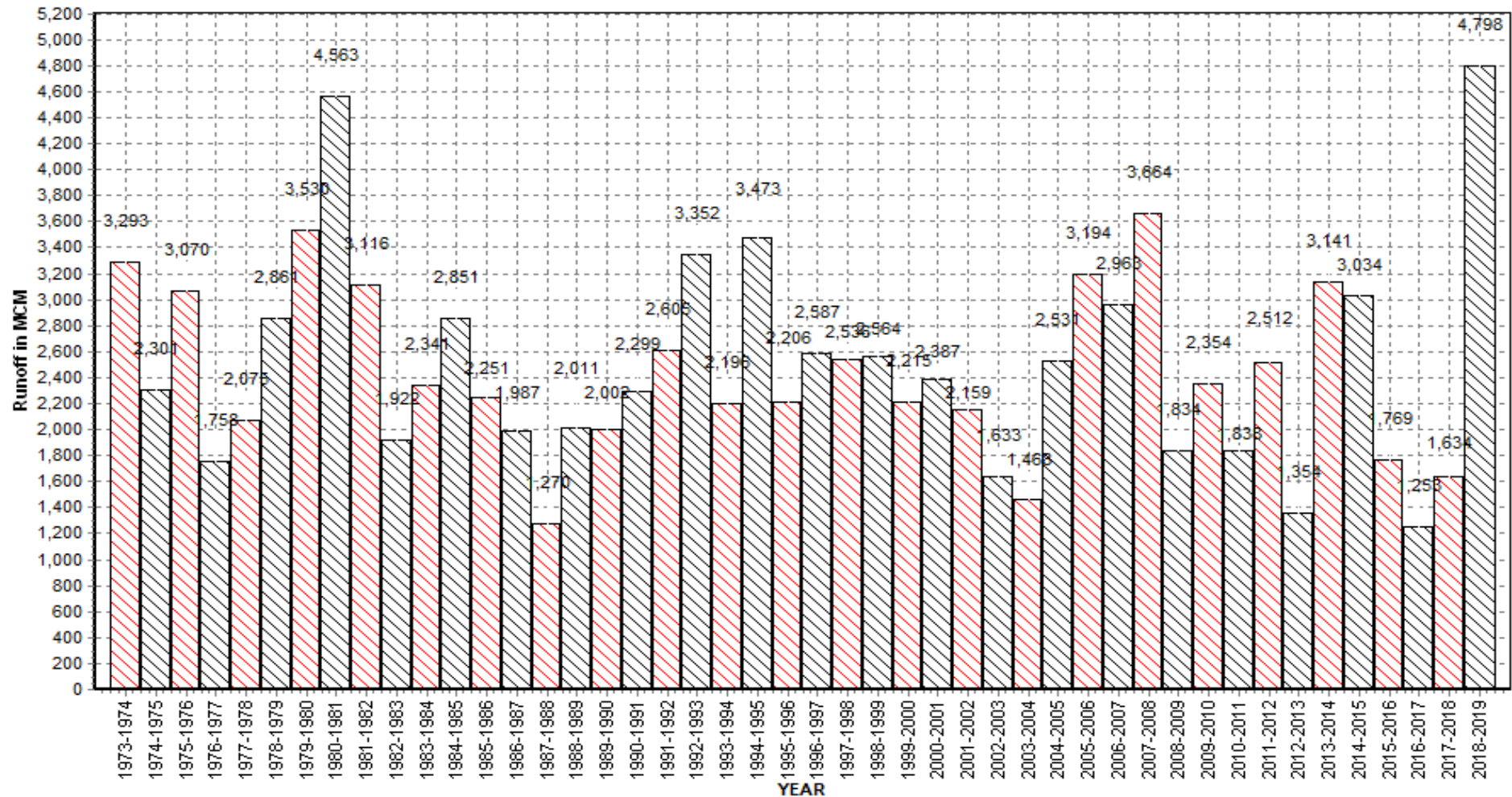
Annual Runoff Values for the period: 1973 - 2019

Station Name : MUTHANKERA (CCP00T8)

Division : Cauvery Division, Bangalore

Local River : Kabini

Sub-Division : Upper Cauvery SD, Bangalore



Note: Missing values have not been considered while arriving at Annual Runoff

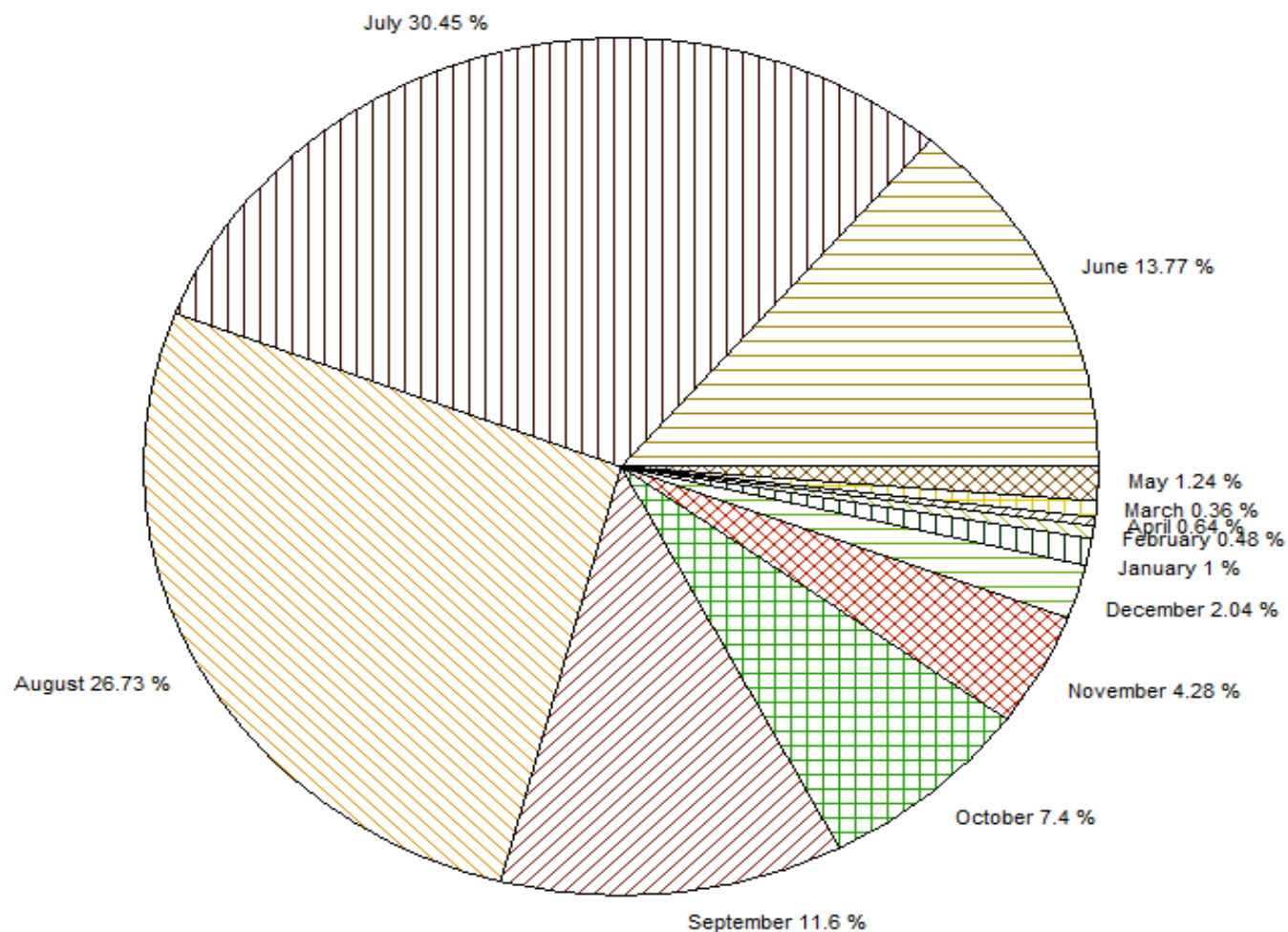
Monthly Average Runoff based on period : 1973-2018

Station Name : MUTHANKERA (CCP00T8)

Local River : Kabini

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



June	13.77 %
July	30.45 %
August	26.73 %
September	11.6 %
October	7.4 %
November	4.28 %
December	2.04 %
January	1 %
February	0.48 %
March	0.36 %
April	0.64 %
May	1.24 %

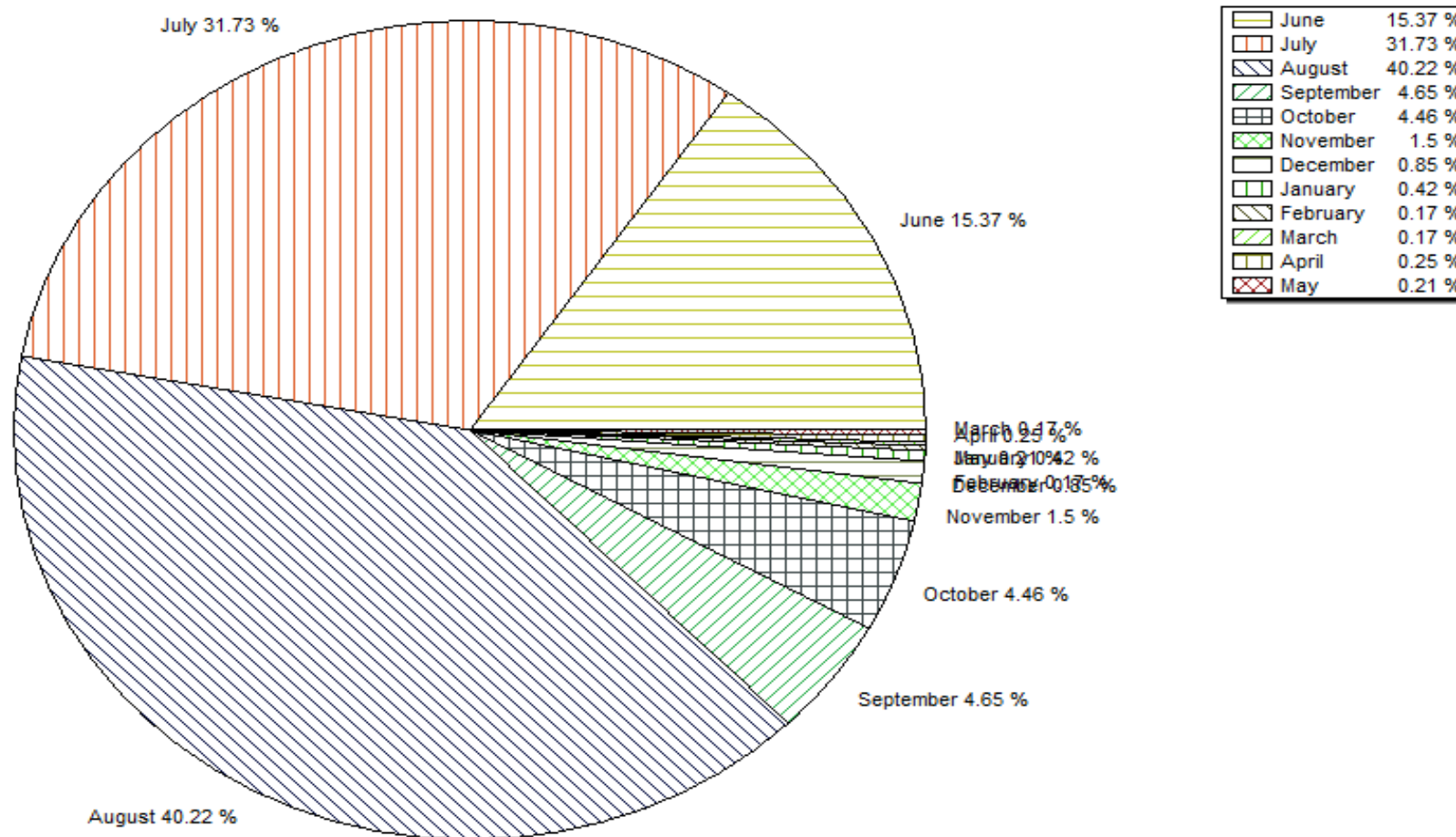
Monthly Runoff for the Year : 2018-2019

Station Name : MUTHANKERA (CCP00T8)

Local River : Kabini

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

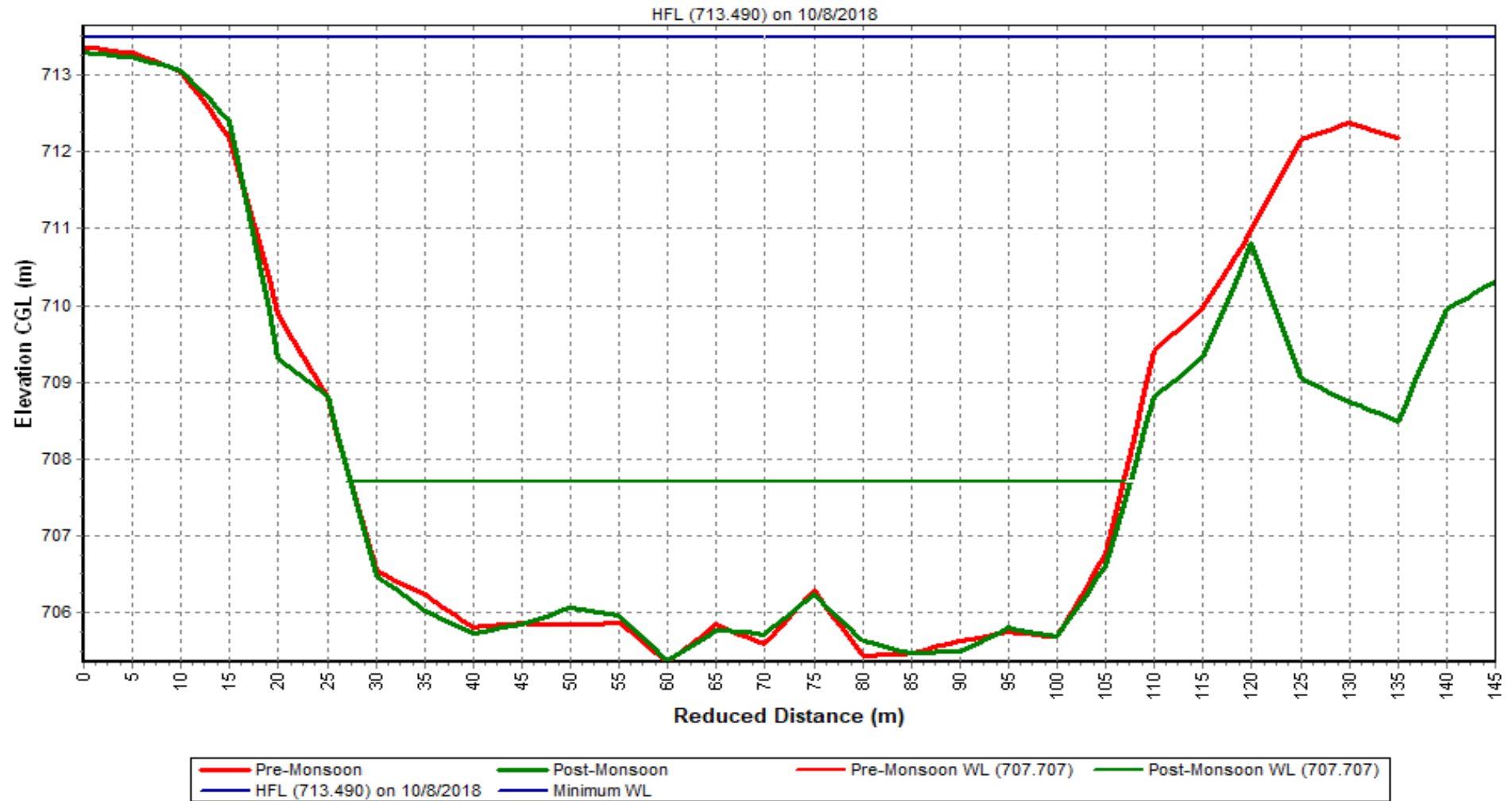
Station Name : MUTHANKERA (CCP00T8)

Local River : Kabini

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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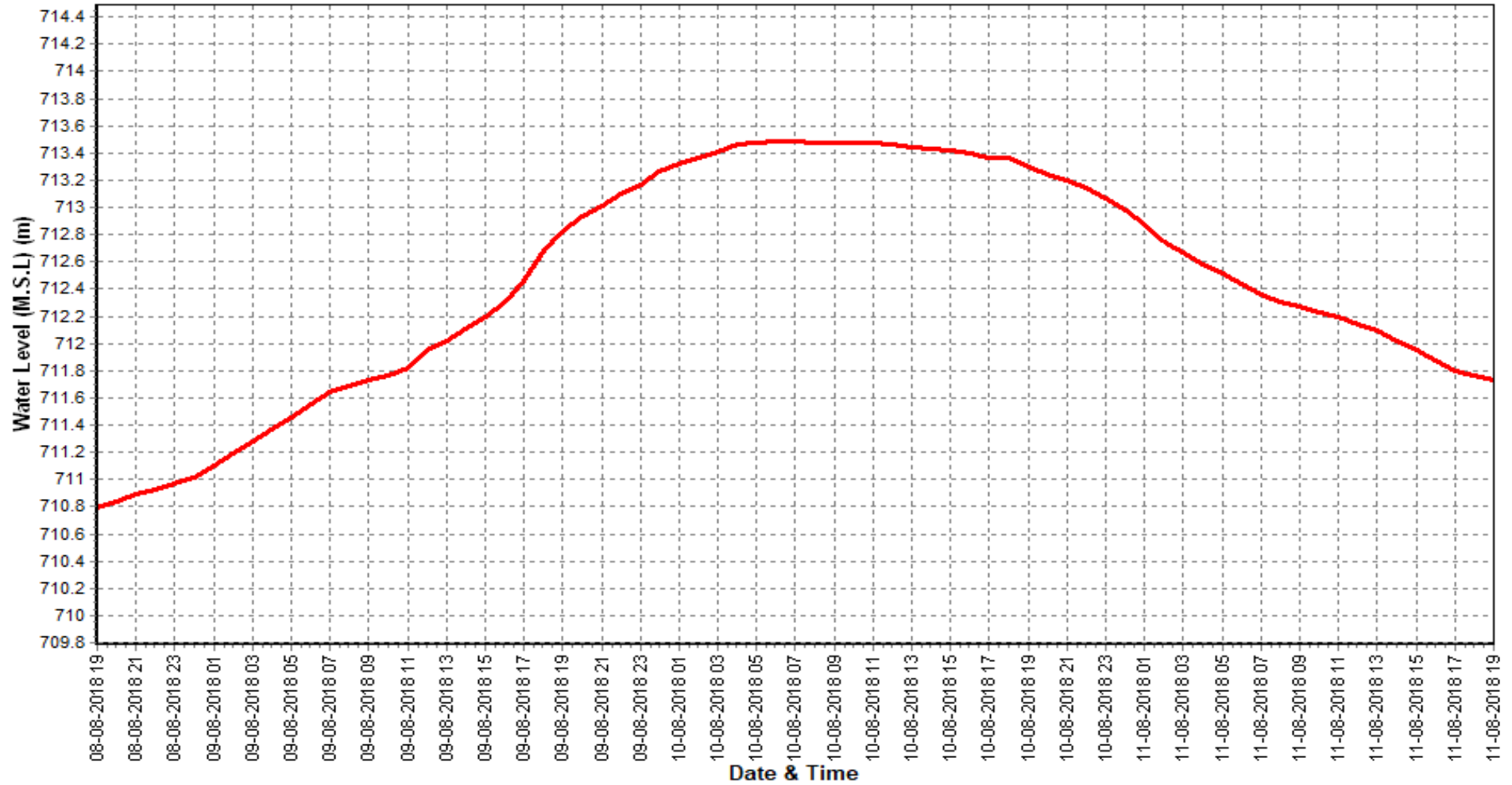
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : MUTHANKERA (CCP00T8)

Local River : Kabini

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



Time Span: 72 Hrs

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

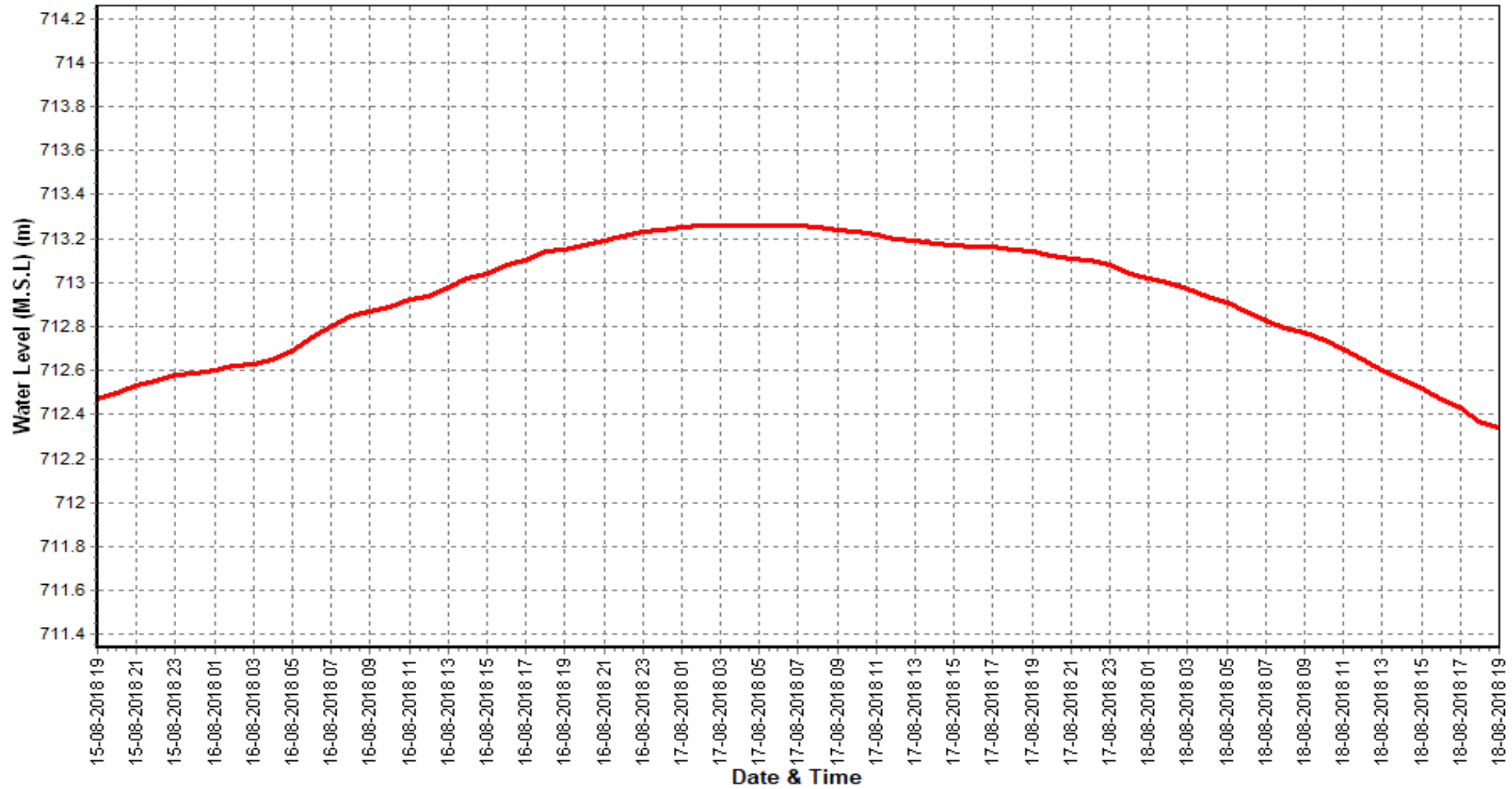
Station Name : MUTHANKERA (CCP00T8)

Local River : Kabini

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

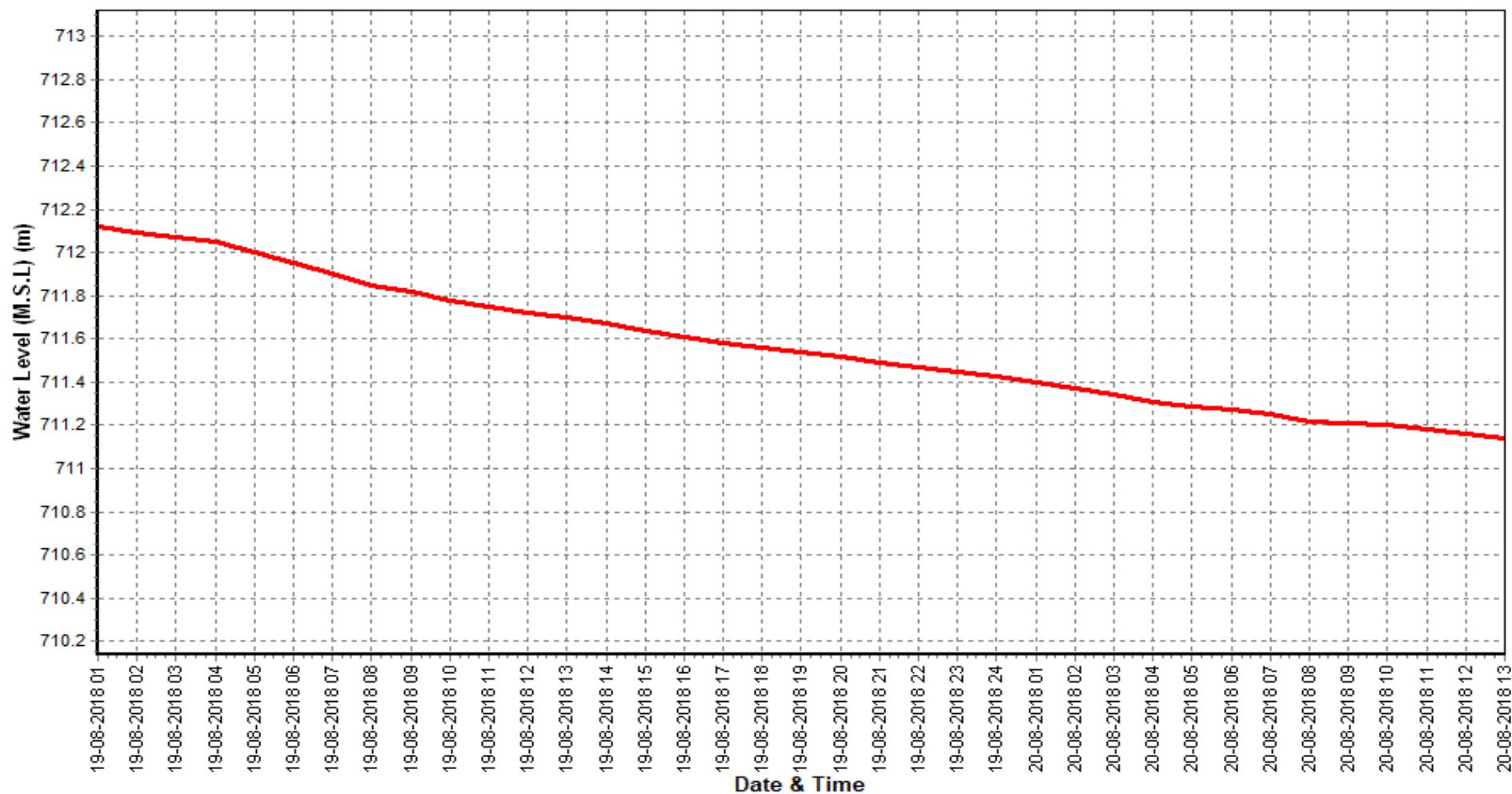
Station Name : MUTHANKERA (CCP00T8)

Local River : Kabini

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2018-2019

Site : K.M.Vadi

Code : CCQ00E9

State : Karnataka

District : Mysore

Basin : Cauvery

Independent River : Cauvery

Tributary : Lakhshmanthirtha

Sub Tributary :

Sub-Sub Tributary :

Local River : Lakhshmanthirtha

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

Drainage Area : 1330 Sq. Km.

Bank : Left

Latitude : 12°20'46"

Longitude : 76°17'16"

Zero of Gauge (m) : 766.500 (m.s.l)
765.000 (m.s.l)16-02-78 - 31-05-86
01-06-86

Opening Date

Closing Date

Gauge : 16-02-78

Discharge : 26-06-79

Sediment :

Water Quality : 01-07-79

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1980-1981	242.1	772.190	04-07-80	0.000	767.820	01-06-80
1981-1982	240.0	772.040	18-08-81	0.000	767.890	02-06-81
1982-1983	160.0	771.000	23-07-82	0.000	767.840	01-06-82
1983-1984	169.7	770.802	01-07-83	0.000	761.610	01-06-83
1984-1985	483.5	771.820	18-06-84	0.000	767.750	01-06-84
1985-1986	122.5	770.235	29-06-85	0.000	767.745	01-06-85
1986-1987	113.1	768.837	11-08-86	0.000	766.185	01-06-86
1987-1988	39.93	767.730	27-08-87	0.000	766.020	01-06-87
1988-1989	175.8	769.200	21-07-88	0.000	766.220	01-06-88
1989-1990	272.5	770.125	26-07-89	0.000	766.135	01-06-89
1990-1991	124.4	768.633	19-08-90	0.000	766.275	05-06-90
1991-1992	455.5	770.354	29-07-91	0.000	766.440	13-01-92
1992-1993	311.6	769.885	23-06-92	0.000	766.180	22-01-93
1993-1994	144.5	768.871	03-08-93	0.000	766.275	12-01-94
1994-1995	681.2	771.180	15-07-94	0.000	766.315	03-06-94
1995-1996	271.0	769.640	05-09-95	0.000	766.170	01-06-95
1996-1997	163.7	769.165	16-10-96	0.000	766.250	01-06-96
1997-1998	221.5	769.640	09-08-97	0.000	766.340	01-06-97
1998-1999	186.0	769.340	03-07-98	0.000	766.325	01-06-98

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1999-2000	189.2	769.320	20-07-99	0.000	766.210	22-08-89
2000-2001	210.2	769.400	15-07-00	0.000	766.180	01-06-00
2001-2002	171.0	769.150	11-07-01	0.000	766.210	01-06-01
2002-2003	176.1	769.230	16-10-02	0.000	766.150	01-06-02
2003-2004	93.80	768.500	18-07-03	0.000	765.940	01-06-03
2004-2005	176.5	769.010	19-06-04	0.000	766.220	01-07-04
2005-2006	275.4	769.855	04-08-05	0.000	766.240	01-06-05
2006-2007	161.8	769.510	06-07-06	0.000	766.200	13-11-06
2007-2008	374.6	770.670	02-07-07	0.000	766.060	01-06-07
2008-2009	154.7	769.100	13-08-08	0.000	766.120	01-06-08
2009-2010	583.2	770.385	18-07-09	0.000	766.120	01-06-09
2010-2011	165.5	769.600	06-11-10	0.000	766.030	01-06-10
2011-2012	142.0	769.160	25-10-11	0.000	766.210	01-06-11
2012-2013	123.6	769.200	09-08-12	0.000	766.090	01-06-12
2013-2014	533.8	770.040	04-08-13	0.000	766.010	01-06-13
2014-2015	91.15	768.630	26-07-14	0.000	766.020	01-06-14
2015-2016	352.7	769.440	25-06-15	0.000	766.070	01-06-15
2016-2017	93.39	768.450	02-07-16	0.000	765.460	16-05-17
2017-2018	76.46	768.400	22-07-17	0.000	766.030	01-06-17

Stage-Discharge Data for the period 2018 - 2019

Station Name : K.M.Vadi (CCQ00E9)

Division : Cauvery Division, Bangalore

Local River : Lakhshmanthirtha

Sub-Division : Upper Cauvery SD, Bangalore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	765.980	0.000	767.170	18.93 *	767.300	21.98	767.440	37.40	766.680	8.685	766.290	1.784
2	765.980	0.000	766.960	11.71	767.420	24.10	767.300	27.62 *	766.660	7.624 *	766.330	2.153
3	765.980	0.000	766.680	6.119	767.300	22.50	767.190	24.20	766.620	7.704	766.260	1.417
4	765.980	0.000	766.530	3.562	767.160	19.71	767.100	20.39	766.600	6.827	766.160	0.453 *
5	765.980	0.000	766.380	2.304 *	767.050	15.13 *	766.910	14.65	766.530	4.765	766.200	0.755
6	765.970	0.000	766.320	1.171	767.040	16.17	766.820	12.36	766.620	7.636	766.170	0.592
7	765.980	0.000	766.190	0.599	766.900	12.79	766.750	10.54	766.830	11.81 *	766.110	0.199 *
8	766.000	0.000	767.880	51.12 *	767.230	24.36	766.680	8.593	766.810	11.83	766.100	0.160 *
9	766.000	0.000	768.460	80.18	767.880	63.14	766.700	8.534 *	767.340	28.12	766.280	1.308
10	766.000	0.000	768.430	78.42	768.230	75.26	766.660	7.738	767.270	26.29	766.220	0.802
11	766.000	0.000	768.400	77.37	768.160	73.01	766.610	7.183	767.080	16.39	766.170	0.515 *
12	768.250	69.96	768.600	90.09	767.650	38.84 *	766.940	13.59	766.730	9.934	766.280	1.335
13	768.540	84.62	768.850	104.3	767.610	42.92	766.570	5.754 *	766.610	7.266	766.260	1.233
14	768.880	104.2	768.980	113.2	768.100	64.58 #	766.440	2.725	766.400	2.896 *	766.280	1.296
15	769.320	136.4	768.910	129.1 *	768.700	110.1 *	766.430	2.683	766.380	2.477	766.300	1.537
16	769.230	161.2 *	768.850	103.4	769.260	198.7	766.570	5.754 *	766.330	1.836	766.270	1.234
17	768.600	101.6 *	768.800	135.2	769.520	241.3	766.380	2.435	766.920	12.05	766.230	0.834
18	767.670	41.06	768.850	123.5 #	769.650	247.6	766.300	1.995	767.080	19.46 *	766.250	1.139 *
19	767.340	27.80	768.940	131.9 #	769.840	233.3 *	766.250	1.181	766.830	11.81 *	766.350	2.322
20	767.230	20.34	768.740	139.7	769.460	231.4	766.310	1.865	766.790	10.33	766.300	1.506
21	767.280	22.41	768.390	91.16	768.990	149.8	766.350	2.228 *	766.780	10.49 *	766.270	1.330 *
22	767.150	18.21	768.230	73.34 *	768.510	94.26 *	766.280	1.306	766.790	10.25	766.190	0.621
23	767.160	17.88	768.150	67.91	768.100	68.36	766.200	0.723 *	766.630	7.852	766.250	1.139 *
24	766.930	11.78 *	768.090	65.02	767.740	47.90	766.420	3.185 #	766.470	4.253	766.190	0.609
25	766.700	6.370	768.060	63.48	767.510	35.85	766.470	4.076	766.390	2.708	766.130	0.000
26	766.620	5.560	768.140	67.55	767.360	30.08 *	766.940	14.76	766.360	2.020	766.130	0.000
27	766.590	4.710	768.100	65.61	767.260	26.15	767.100	18.84	766.360	2.132	766.130	0.000
28	767.050	15.13 #	768.020	61.61	767.270	26.76	766.900	14.11	766.300	1.642 *	766.140	0.000
29	767.900	48.52	767.750	43.95 *	767.390	31.39	767.010	16.93	766.280	1.662	766.140	0.000
30	767.560	31.83	767.630	36.45	767.420	31.28	766.770	10.24 *	766.260	1.523	766.140	0.000
31			767.450	25.24	767.300	27.08			766.220	0.892		
Ten-Daily Mean												
I Ten-Daily	765.985	0.000	767.100	25.41	767.351	29.51	766.955	17.20	766.796	12.13	766.212	0.962
II Ten-Daily	768.106	74.71	768.792	114.8	768.795	148.2	766.480	4.517	766.715	9.444	766.269	1.295
III Ten-Daily	767.094	18.24	768.001	60.12	767.714	51.72	766.644	8.640	766.440	4.129	766.171	0.370
Monthly												
Min.	765.970	0.000	766.190	0.599	766.900	12.79	766.200	0.723	766.220	0.892	766.100	0.000
Max.	769.320	161.2	768.980	139.7	769.840	247.6	767.440	37.40	767.340	28.12	766.350	2.322
Mean	767.062	30.98	767.965	66.55	767.945	75.67	766.693	10.12	766.643	8.424	766.217	0.876

Annual Runoff in MCM = 516 Annual Runoff in mm = 388

Peak Observed Discharge = 247.6 cumecs on 18-08-2018 Corres. Water Level :769.65 m

Lowest Observed Discharge = 0.000 cumecs on 01-06-2018 Corres. Water Level :765.98 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : K.M.Vadi (CCQ00E9)

Division : Cauvery Division, Bangalore

Local River : Lakhshmanthirtha

Sub-Division : Upper Cauvery SD, Bangalore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	766.200	0.680	766.220	0.894 *	766.080	0.000	766.010	0.000	766.000	0.000	766.050	0.000
2	766.210	0.820 *	766.200	0.750 *	766.080	0.000	766.010	0.000	766.000	0.000	766.050	0.000
3	766.240	0.841	766.200	0.645	766.080	0.000	766.010	0.000	766.000	0.000	766.050	0.000
4	766.250	1.088	766.190	0.571	766.080	0.000	766.010	0.000	766.000	0.000	766.050	0.000
5	766.310	2.052	766.190	0.576	766.080	0.000	766.010	0.000	766.000	0.000	766.050	0.000
6	766.350	2.282	766.180	0.621 *	766.080	0.000	766.010	0.000	766.000	0.000	766.050	0.000
7	766.360	2.291	766.170	0.568	766.070	0.000	766.010	0.000	766.000	0.000	766.050	0.000
8	766.320	2.078	766.150	0.524	766.060	0.000	766.010	0.000	766.000	0.000	766.050	0.000
9	766.280	1.411 *	766.150	0.542	766.060	0.000	766.010	0.000	766.000	0.000	766.050	0.000
10	766.270	1.274	766.140	0.467	766.060	0.000	766.010	0.000	766.020	0.000	766.050	0.000
11	766.270	1.233	766.120	0.262	766.060	0.000	766.010	0.000	766.020	0.000	766.050	0.000
12	766.200	0.669	766.120	0.266	766.050	0.000	766.010	0.000	766.020	0.000	766.050	0.000
13	766.200	0.659	766.120	0.312 *	766.050	0.000	766.010	0.000	766.020	0.000	766.050	0.000
14	766.250	1.071	766.100	0.240	766.050	0.000	766.010	0.000	766.020	0.000	766.050	0.000
15	766.240	0.846	766.150	0.452 *	766.050	0.000	766.000	0.000	766.020	0.000	766.050	0.000
16	766.240	1.051 *	766.150	0.533	766.040	0.000	766.000	0.000	766.010	0.000	766.050	0.000
17	766.250	1.045	766.150	0.539	766.040	0.000	766.000	0.000	766.010	0.000	766.040	0.000
18	766.260	1.299	766.140	0.482	766.040	0.000	766.000	0.000	766.040	0.000	766.040	0.000
19	766.240	1.179	766.140	0.485	766.040	0.000	766.000	0.000	766.050	0.000	766.040	0.000
20	766.240	1.174	766.140	0.402 *	766.040	0.000	766.000	0.000	766.050	0.000	766.040	0.000
21	766.240	1.186	766.140	0.488	766.030	0.000	766.000	0.000	766.050	0.000	766.040	0.000
22	766.240	1.165	766.130	0.330	766.020	0.000	766.000	0.000	766.050	0.000	766.040	0.000
23	766.240	1.051 *	766.120	0.311	766.020	0.000	766.000	0.000	766.050	0.000	766.040	0.000
24	766.230	1.153	766.120	0.309	766.020	0.000	766.000	0.000	766.040	0.000	766.040	0.000
25	766.210	0.820 *	766.120	0.320	766.020	0.000	766.000	0.000	766.040	0.000	766.030	0.000
26	766.210	0.847	766.110	0.272 *	766.010	0.000	766.000	0.000	766.040	0.000	766.030	0.000
27	766.200	0.648	766.100	0.235 *	766.010	0.000	766.000	0.000	766.040	0.000	766.030	0.000
28	766.200	0.655	766.100	0.202	766.010	0.000	766.000	0.000	766.040	0.000	766.030	0.000
29	766.200	0.645	766.090	0.201 #			766.000	0.000	766.040	0.000	766.030	0.000
30	766.210	0.820 *	766.080	0.000			766.000	0.000	766.040	0.000	766.030	0.000
31	766.230	1.050	766.080	0.000			766.000	0.000			766.030	0.000
Ten-Daily Mean												
I Ten-Daily	766.279	1.482	766.179	0.616	766.073	0.000	766.010	0.000	766.002	0.000	766.050	0.000
II Ten-Daily	766.239	1.023	766.133	0.397	766.046	0.000	766.004	0.000	766.026	0.000	766.046	0.000
III Ten-Daily	766.219	0.913	766.108	0.243	766.017	0.000	766.000	0.000	766.043	0.000	766.034	0.000
Monthly												
Min.	766.200	0.645	766.080	0.000	766.010	0.000	766.000	0.000	766.000	0.000	766.030	0.000
Max.	766.360	2.291	766.220	0.894	766.080	0.000	766.010	0.000	766.050	0.000	766.050	0.000
Mean	766.245	1.132	766.139	0.413	766.047	0	766.005	0	766.024	0	766.043	0

Peak Computed Discharge = 233.3 cumecs on 19-08-2018

Corres. Water Level :769.84 m

Lowest Computed Discharge = 0.160 cumecs on 08-11-2018

Corres. Water Level :766.1 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

Station Name : K.M.Vadi (CCQ00E9)

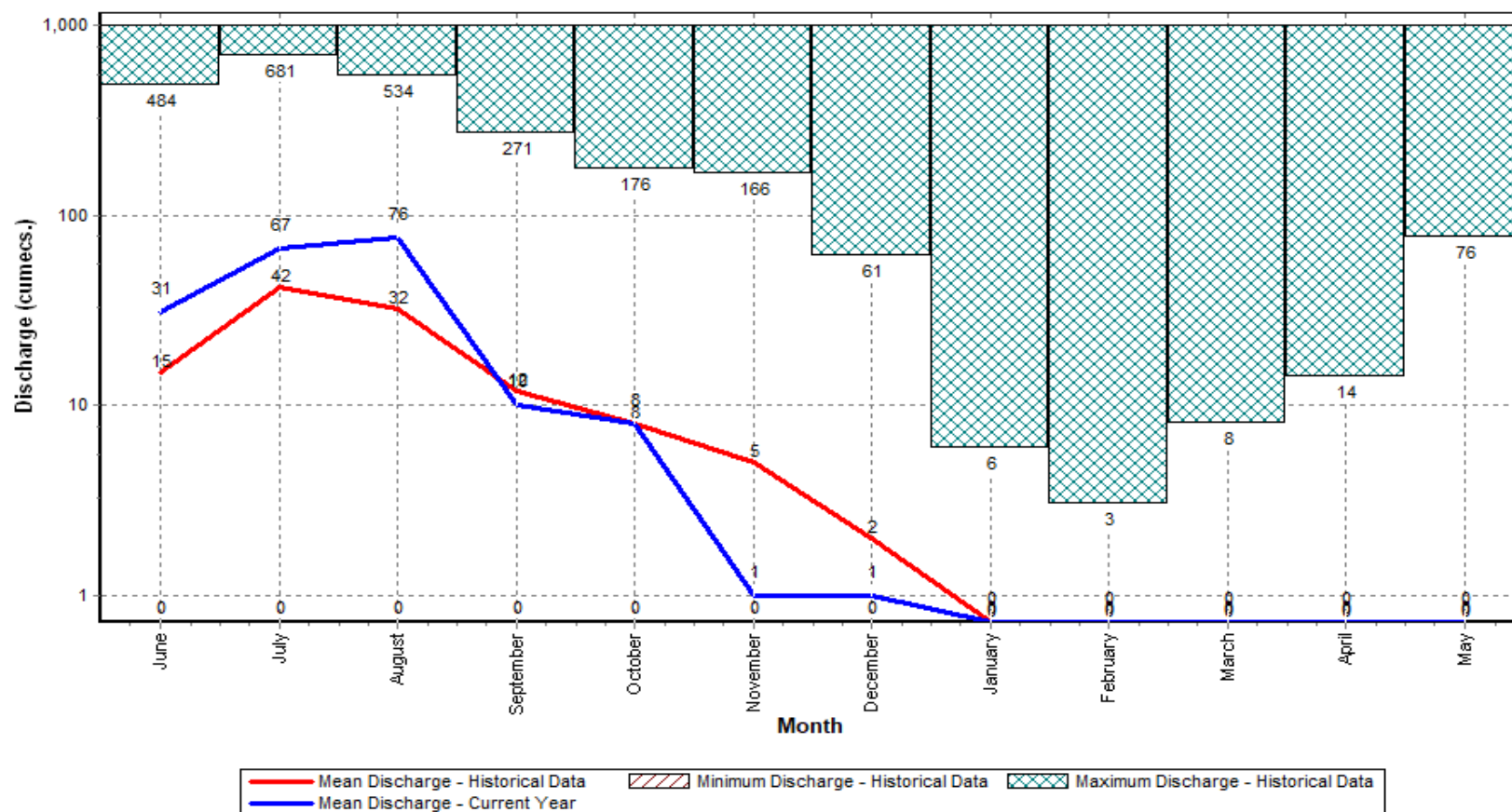
Data considered : 1980-2019

Division : Cauvery Division, Bangalore

Local River : Lakhshmanthirtha

Sub-Division : Upper Cauvery SD, Bangalore

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Annual Runoff Values for the period: 1980 - 2019

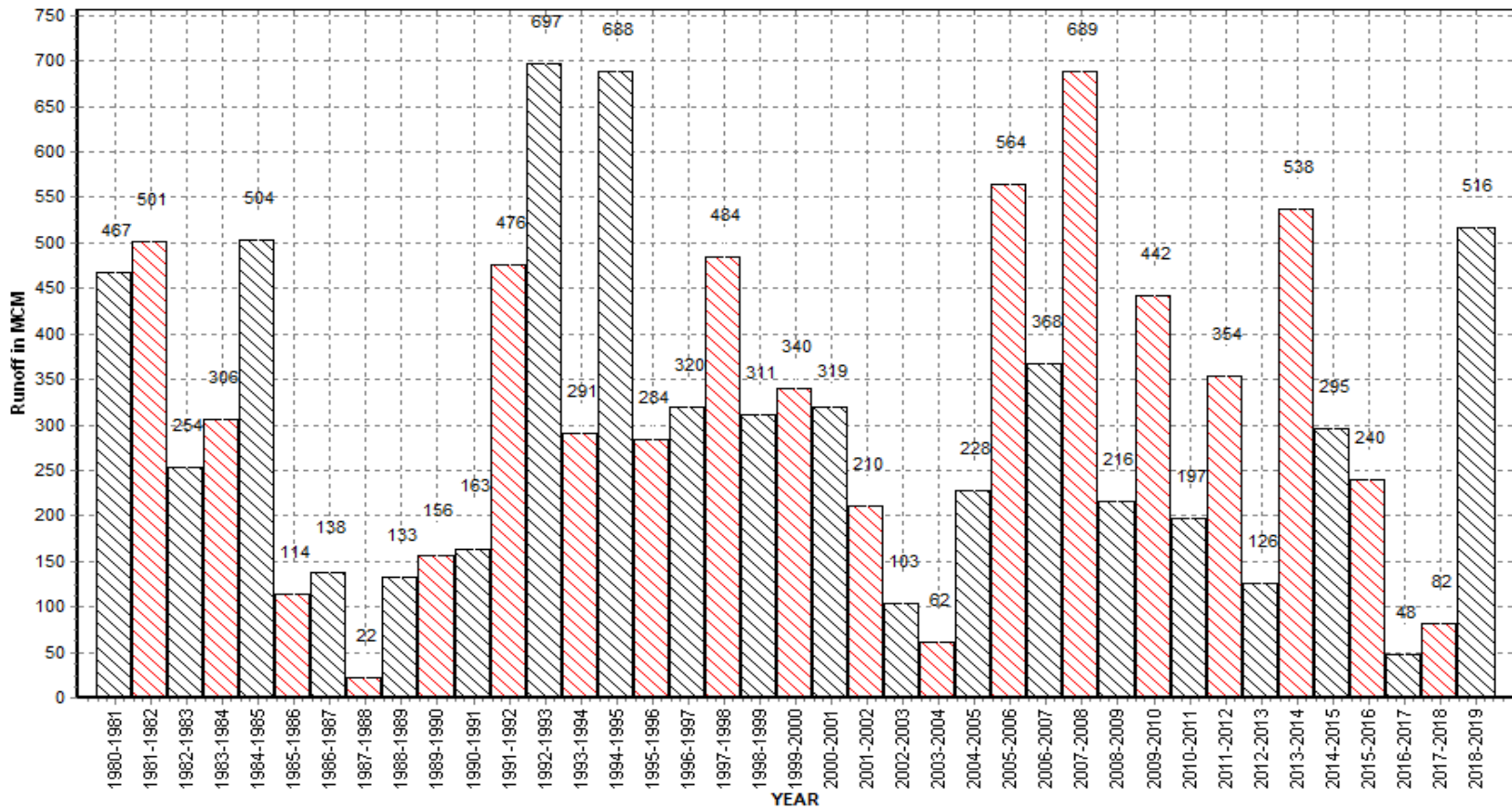
Station Name : K.M.Vadi (CCQ00E9)

Local River : Lakhshmanthirtha

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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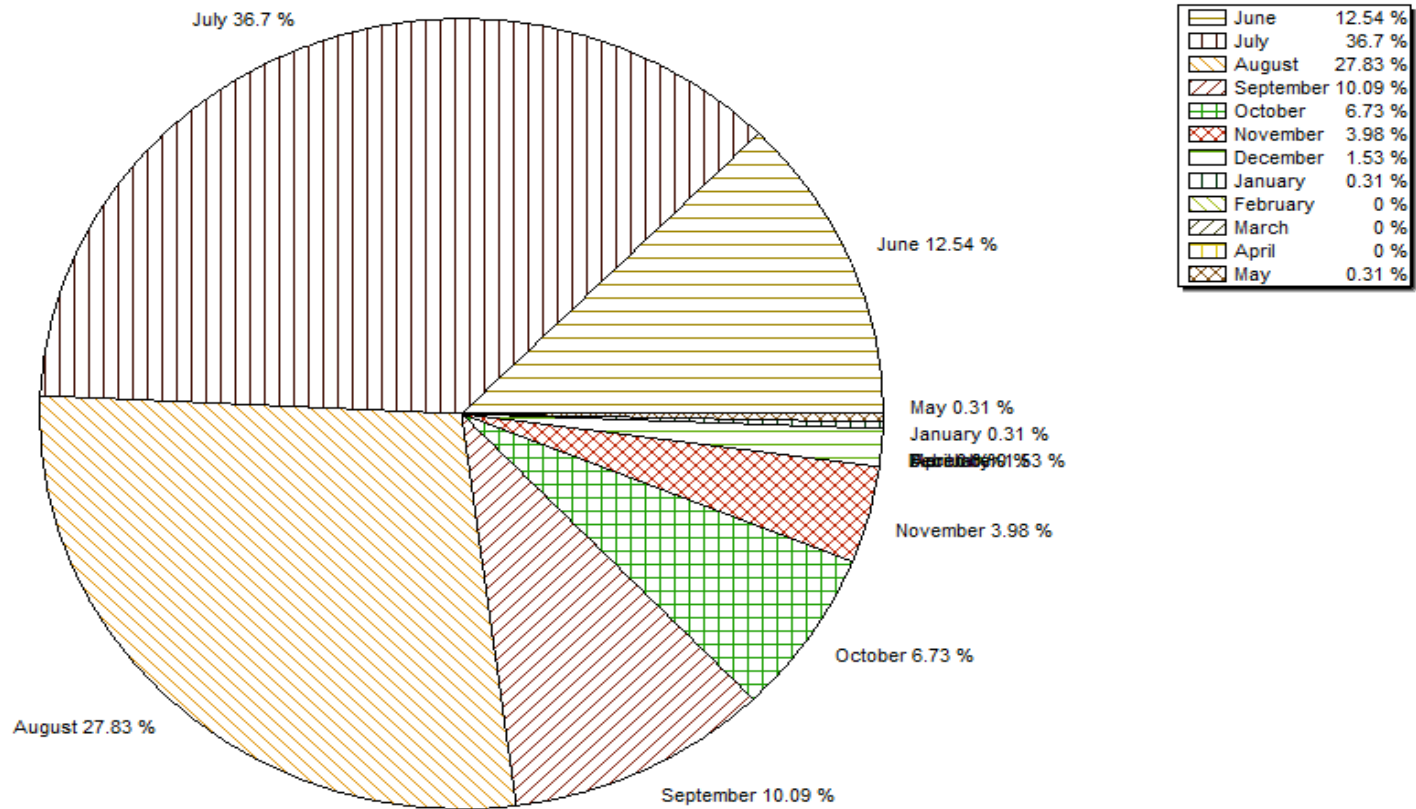


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : K.M.Vadi (CCQ00E9)
Local River : Lakhshmanthirtha

Monthly Average Runoff based on period : 1980-2018

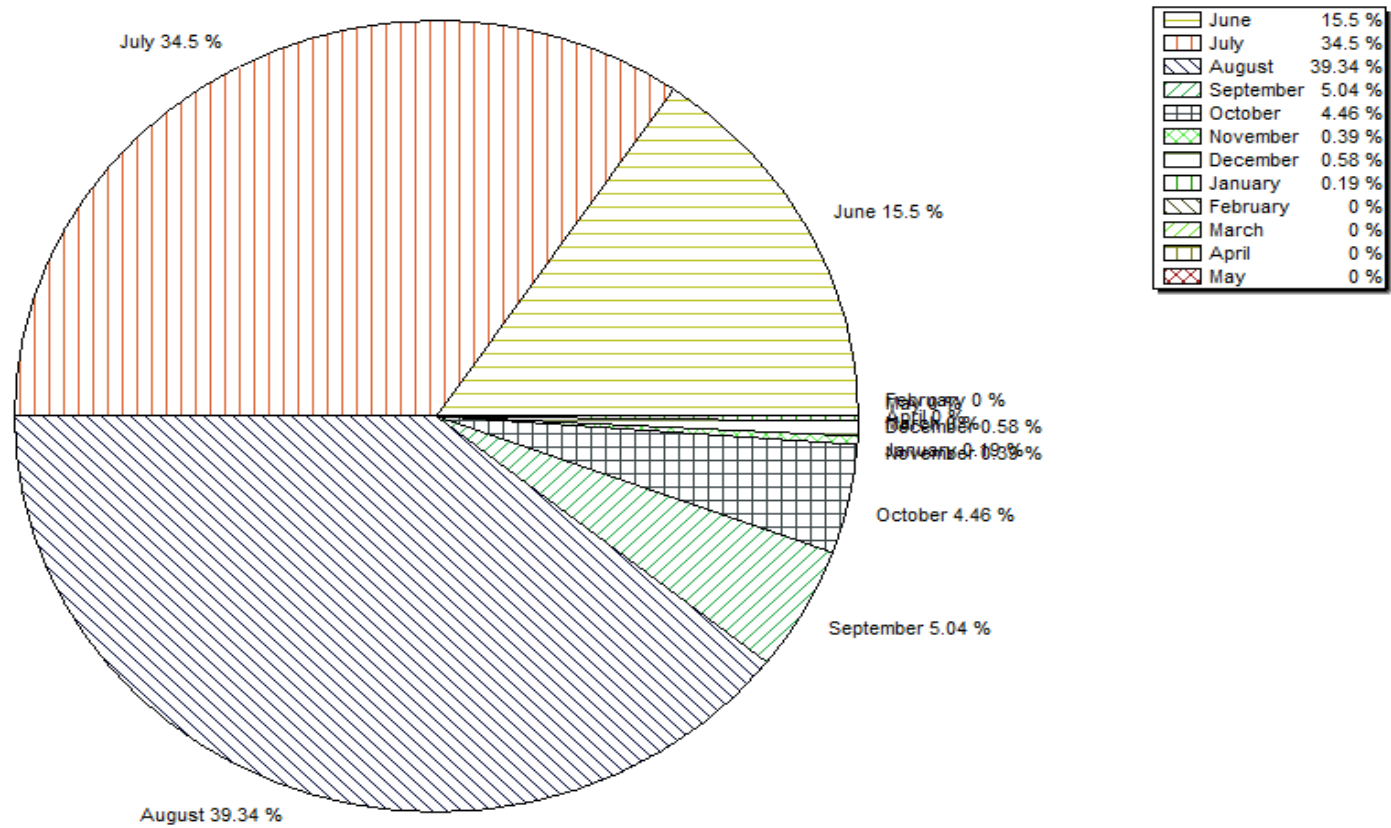
Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Station Name : K.M.Vadi (CCQ00E9)
Local River : Lakhshmanthirtha

Monthly Runoff for the Year : 2018-2019

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

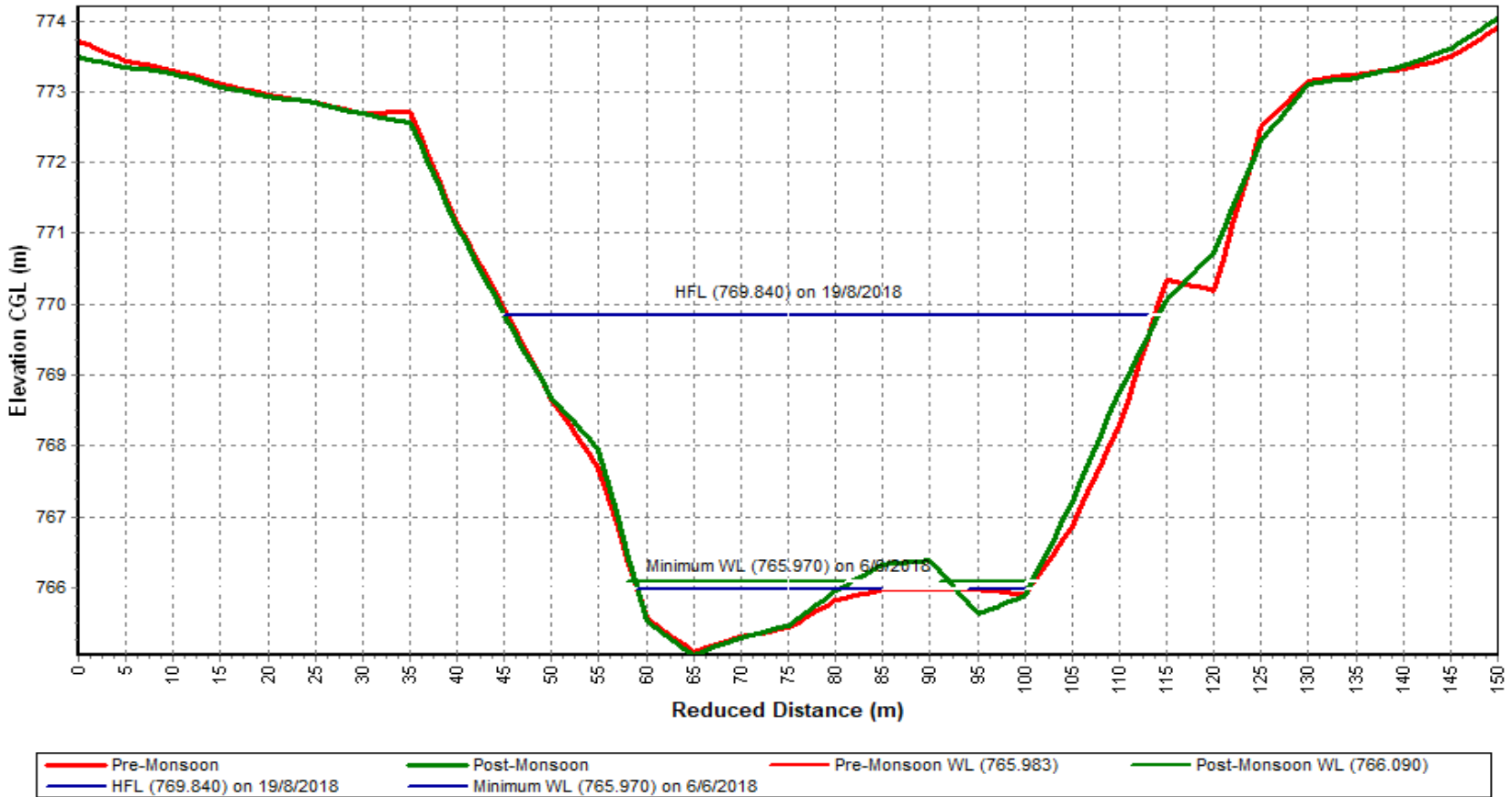


Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : K.M.Vadi (CCQ00E9)
Local River : Lakhshmanthirtha

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

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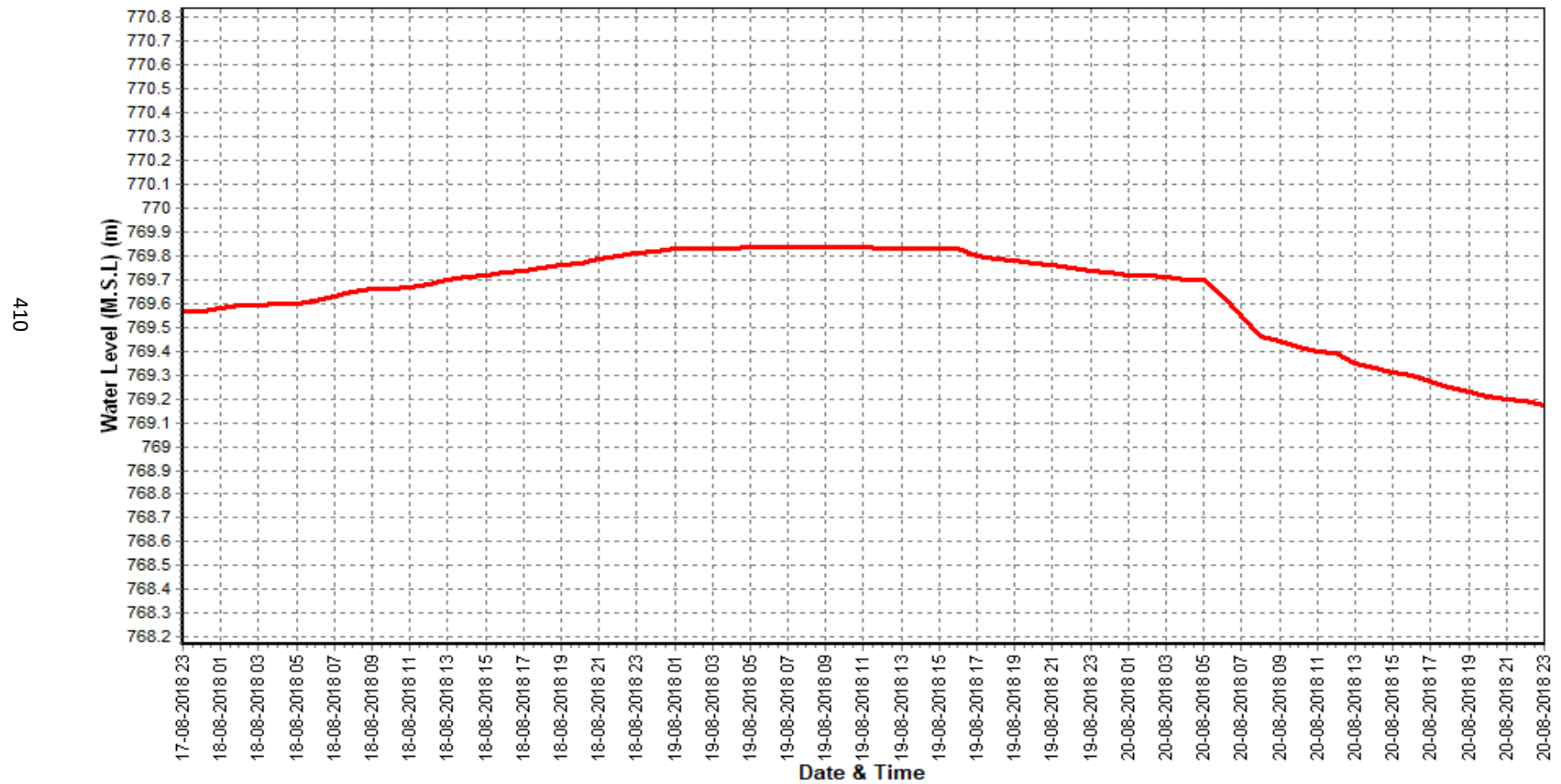
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : K.M.Vadi (CCQ00E9)

Local River : Lakhshmanthirtha

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



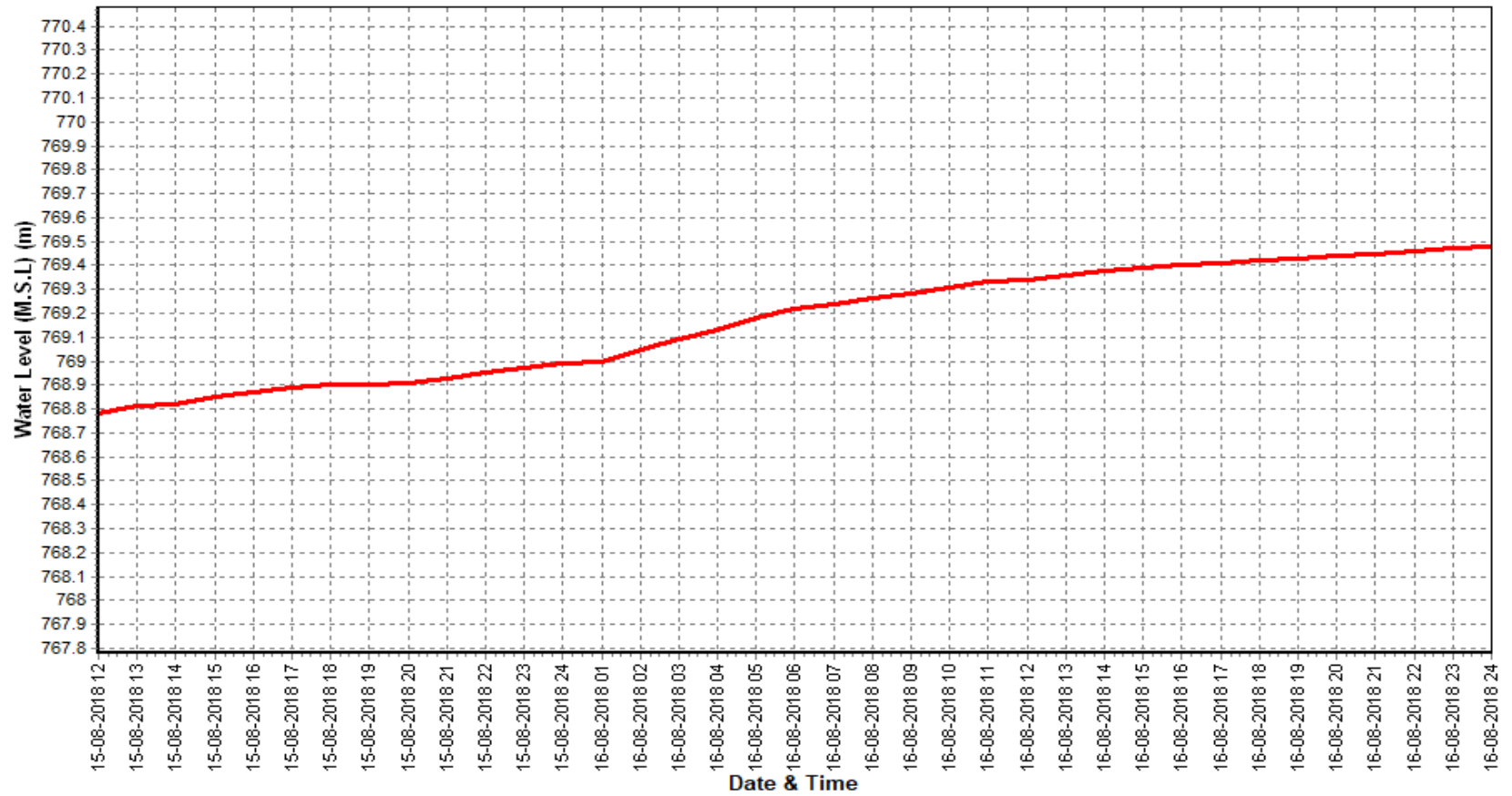
Time Span: 72 Hrs

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : K.M.Vadi (CCQ00E9)
Local River : Lakhshmanthirtha

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

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Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

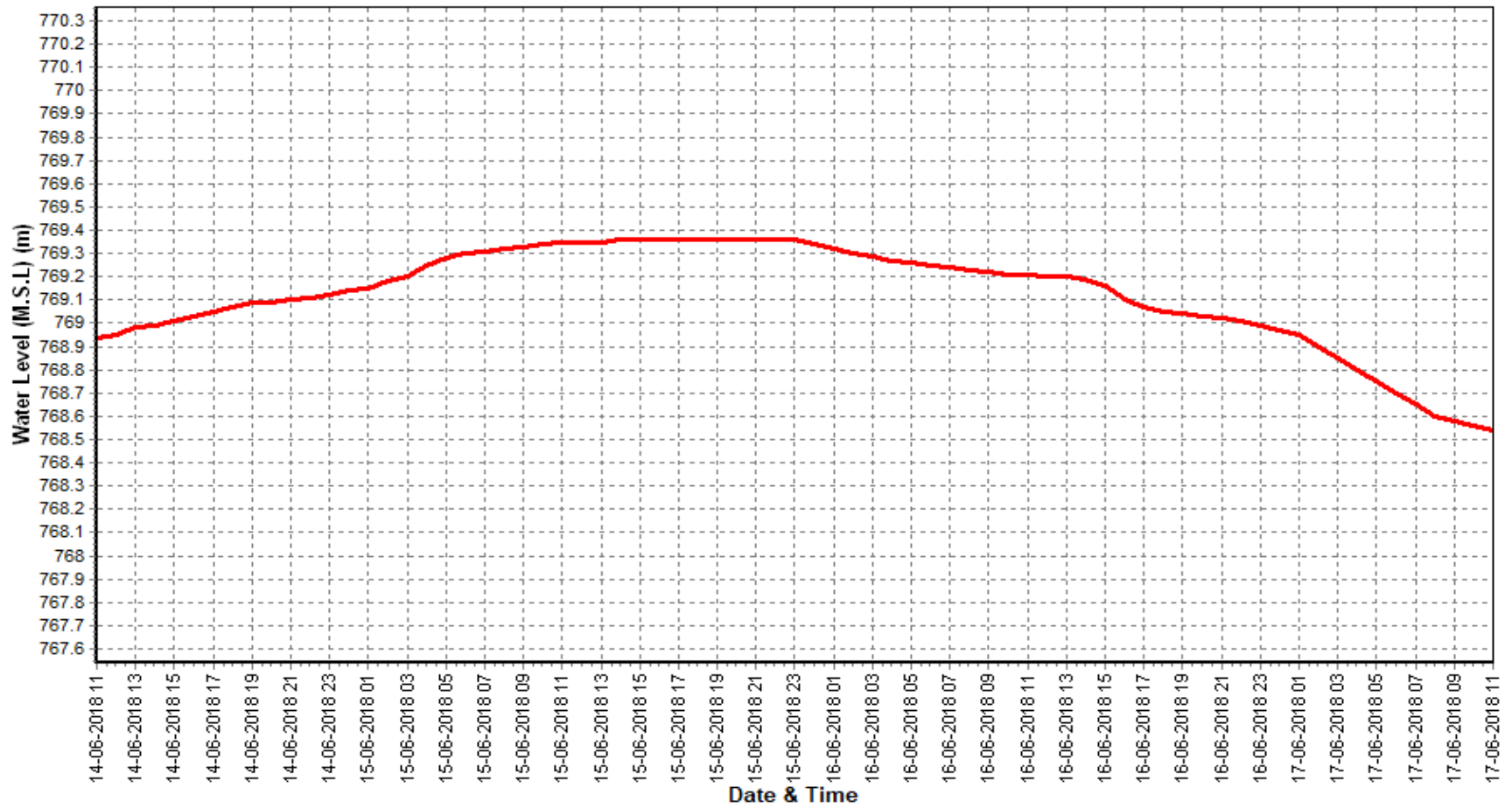
Station Name : K.M.Vadi (CCQ00E9)

Local River : Lakhshmanthirtha

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2018-2019

Site : Akkihebbal

Code : CCR00B7

State : Karnataka

District : Mandya

Basin : Cauvery

Independent River : Cauvery

Tributary : Hemavathi

Sub Tributary : -

Sub-Sub Tributary : -

Local River : Hemavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

Drainage Area : 5236 Sq. Km.

Bank : Right

Latitude : 12°36'10"

Longitude : 76°24'03"

Zero of Gauge (m) : 745 (m.s.l)

04-08-98

Opening Date

Closing Date

Gauge : 04-08-98

Discharge : 23-01-02

Sediment : 26-03-13

Water Quality : 02-09-02

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2002-2003	132.2	748.120	20-02-03	0.000	746.780	02-05-03
2003-2004	170.0	748.020	06-10-03	1.086	746.835	03-08-03
2004-2005	247.4	748.730	25-04-05	1.700	746.915	09-07-04
2005-2006	1438	752.245	02-08-05	1.047	746.890	14-07-05
2006-2007	1386	750.700	18-08-06	1.234	746.840	06-03-07
2007-2008	859.7	751.440	07-08-07	2.157	746.860	13-02-08
2008-2009	1480	751.570	14-08-08	1.090	746.830	19-02-09
2009-2010	638.9	750.090	20-07-09	1.705	746.890	11-02-10
2010-2011	290.2	748.910	13-11-10	1.027	746.900	03-02-11
2011-2012	381.9	749.365	05-09-11	0.844	746.800	21-05-12
2012-2013	234.4	748.450	07-10-12	0.000	746.220	25-05-13
2013-2014	2185	752.380	03-08-13	0.724	746.730	23-06-13
2014-2015	634.2	750.220	07-08-14	0.621	746.740	26-06-14
2015-2016	159.2	748.220	25-08-15	0.000	746.640	04-05-16
2016-2017	215.9	748.630	10-09-16	0.000	746.580	04-04-17
2017-2018	101.6	748.070	28-09-17	0.000	746.610	16-06-17

Stage-Discharge Data for the period 2018 - 2019

Station Name : Akkihebbal (CCR00B7)

Division : Cauvery Division, Bangalore

Local River : Hemavathi

Sub-Division : Upper Cauvery SD, Bangalore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	746.850	1.034 #	747.270	19.58 *	747.800	76.70	747.290	17.21	747.740	66.16	747.320	18.90
2	746.880	1.547 #	747.280	20.37	747.810	75.82	747.030	6.699 *	747.490	37.52 *	747.055	7.680
3	747.270	19.64 *	746.930	3.356 #	747.800	75.17	747.038	7.709	747.530	37.02	747.420	28.82
4	746.950	3.191 #	747.290	24.68	747.695	56.16	747.020	7.565	747.480	34.24	747.070	8.366 *
5	747.000	6.105	746.900	2.581 #	747.780	70.35 *	747.050	7.679	747.590	51.07	747.345	25.76
6	747.020	6.083	746.950	4.100	747.890	87.40	747.030	7.555	747.655	56.40	747.390	33.30
7	747.060	6.259	746.840	1.342 #	747.360	24.80	746.980	5.956	747.440	32.92 *	747.320	19.74
8	747.080	6.416	746.840	1.342 *	747.660	56.11	747.020	7.494	747.515	36.20	747.320	23.13 *
9	746.900	1.951 #	746.830	1.175 #	747.750	67.88	747.000	5.572 *	747.460	32.28	747.050	7.715
10	747.040	6.284 *	747.080	6.547	748.900	329.6	747.380	25.85	747.600	53.65	747.030	7.418
11	747.250	20.13	747.190	14.51 #	748.605	257.4	747.270	15.78	747.575	52.76	747.320	23.13 *
12	747.060	6.277	747.070	5.915	748.200	136.7 *	747.340	24.49	747.350	32.97	747.070	7.688
13	747.350	23.51	747.290	23.51	748.290	181.8	746.970	4.551 *	747.430	32.10	747.290	17.38
14	747.425	30.86	747.470	38.44	750.620	966.0 *	747.300	16.54	747.410	30.31 *	747.010	6.605
15	747.270	20.81	747.510	39.45 *	752.160	1902 *	747.030	7.530	747.480	33.61	747.010	6.657
16	747.270	19.64 *	750.830	1075 *	750.200	766.4 *	747.000	5.572 *	747.510	35.19	746.995	5.854
17	747.250	18.15 *	750.650	981.2 *	750.500	906.6 *	747.010	6.795	747.810	84.09	747.010	6.607
18	747.270	20.66	750.380	849.1 *	751.100	1223 *	747.275	16.81	747.930	91.46 *	747.010	5.936
19	747.280	20.42	750.080	713.7 *	749.950	658.8 *	746.970	5.359	747.780	70.35 *	747.010	6.680
20	747.280	20.80	749.290	414.7 *	749.650	540.7 *	746.970	5.362	747.940	103.3	747.010	6.698
21	747.260	20.24	748.095	131.0	748.640	262.9	747.040	7.096 *	747.760	67.75 *	747.350	25.41 *
22	747.010	6.030	748.090	117.1 *	748.530	204.6 *	746.970	5.355	747.350	19.82	747.070	7.516
23	746.890	1.743 #	750.300	811.8 *	748.540	238.0	746.980	4.880 *	747.440	34.15	747.010	5.936 *
24	747.000	4.769 *	749.330	419.8	748.550	236.4	747.080	8.381	747.420	27.46	747.010	6.889
25	746.850	1.034 #	749.290	402.9	748.250	174.9	747.505	35.59	747.565	43.93	747.290	20.00
26	746.840	0.889 #	749.290	366.7	748.250	146.0 *	747.700	59.30	747.150	12.27 #	747.420	32.11
27	747.250	20.03	749.080	351.3	747.820	81.81	747.840	86.27	747.355	19.71	747.280	17.09
28	747.070	6.474	748.220	146.9	747.400	26.14	747.850	85.13	747.320	23.13 *	747.280	17.15
29	747.250	20.51	747.900	87.02 *	747.380	25.85	747.850	82.71	747.070	7.643	747.280	17.20
30	747.080	6.530	747.815	76.55	747.260	15.81	747.790	71.66 *	747.325	19.65	747.335	21.24
31			747.675	50.00	747.040	7.673			747.145	10.97		
Ten-Daily Mean												
I Ten-Daily	747.005	5.851	747.021	8.507	747.844	91.99	747.084	9.928	747.550	43.75	747.232	18.08
II Ten-Daily	747.271	20.13	748.776	415.6	749.927	753.9	747.113	10.88	747.622	56.61	747.073	9.323
III Ten-Daily	747.050	8.825	748.644	269.2	747.969	129.1	747.461	44.64	747.355	26.04	747.233	17.05
Monthly												
Min.	746.840	0.889	746.830	1.175	747.040	7.673	746.970	4.551	747.070	7.643	746.995	5.854
Max.	747.425	30.86	750.830	1075	752.160	1902	747.850	86.27	747.940	103.3	747.420	33.30
Mean	747.109	11.6	748.163	232.3	748.561	318.7	747.219	21.81	747.504	41.61	747.179	14.82

Annual Runoff in MCM = 1764 Annual Runoff in mm = 337

Peak Observed Discharge = 419.8 cumecs on 24-07-2018 Corres. Water Level :749.33 m

Lowest Observed Discharge = 0.000 cumecs on 26-02-2019 Corres. Water Level :746.67 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

#:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Akkihebbal (CCR00B7)

Division : Cauvery Division, Bangalore

Local River : Hemavathi

Sub-Division : Upper Cauvery SD, Bangalore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	747.000	7.269	746.900	3.194 *	746.830	1.939	746.660	0.000	746.670	0.000	746.670	0.000
2	747.270	18.12 *	746.880	2.749 *	746.800	1.522	746.660	0.000	746.670	0.000	746.680	0.000
3	747.265	17.34	746.870	2.579	746.810	1.468 *	746.680	0.000	746.670	0.000	746.680	0.000
4	746.970	5.289	747.240	16.11	746.840	1.913	746.860	2.179	746.660	0.000	746.680	0.000
5	747.015	6.484	746.880	2.608	746.800	1.552	746.860	2.146	746.650	0.000	746.670	0.000
6	746.970	5.296	746.850	2.147 *	746.800	1.559	746.860	2.125	746.650	0.000	746.670	0.000
7	747.265	17.05	747.000	7.119	746.800	1.569	746.870	2.134	746.660	0.000	746.670	0.000
8	747.010	6.927	746.870	2.442	746.770	0.968	746.850	2.044	746.660	0.000	746.670	0.000
9	747.260	17.54 *	746.880	2.566	746.770	0.923 #	746.860	2.194	746.670	0.000	746.680	0.000
10	747.260	17.64	746.970	5.286	746.770	0.923 *	746.850	2.147 *	746.670	0.000	746.660	0.000
11	747.275	17.48	746.880	2.658	746.800	1.545	746.840	2.002	746.670	0.000	746.660	0.000
12	747.260	17.09	747.000	6.587	746.800	1.539	746.770	0.978	746.680	0.000	746.680	0.000
13	747.260	17.26	746.850	2.147 *	746.840	1.925	746.750	0.671	746.680	0.000	746.680	0.000
14	747.260	17.29	746.880	2.526	746.840	1.890	746.750	0.667	746.670	0.000	746.680	0.000
15	747.260	17.17	746.940	4.190 *	746.800	1.516	746.740	0.664	746.670	0.000	746.670	0.000
16	747.270	18.12 *	746.870	2.197	746.770	0.972	746.730	0.662	746.670	0.000	746.660	0.000
17	747.285	17.29	746.870	2.175	746.790	1.178 *	746.720	0.427 *	746.670	0.000	746.680	0.000
18	747.280	17.18	746.860	2.162	746.800	1.558	746.720	0.306	746.680	0.000	746.680	0.000
19	747.260	17.19	746.860	2.138	746.810	1.633	746.690	0.173	746.660	0.000	746.670	0.000
20	747.260	17.12	746.900	3.194 *	746.770	0.963	746.680	0.000	746.680	0.000	746.670	0.000
21	747.340	24.42	746.870	2.200	746.750	0.668	746.670	0.000	746.750	0.000	746.670	0.000
22	747.335	24.30	746.880	2.666	746.740	0.618	746.670	0.000	746.680	0.000	746.660	0.000
23	747.300	19.91 *	746.890	2.633	746.740	0.613	746.670	0.000	746.680	0.000	746.660	0.000
24	747.240	16.03	746.860	2.086	746.700	0.284 *	746.660	0.000	746.670	0.000	746.660	0.000
25	746.950	5.000 *	746.800	1.101	746.690	0.224 #	746.660	0.000	746.670	0.000	746.660	0.000
26	747.260	17.48	746.790	1.178 *	746.670	0.000	746.670	0.000	746.680	0.000	746.660	0.000
27	747.005	6.721	746.910	3.428 *	746.670	0.000	746.670	0.000	746.660	0.000	746.680	0.000
28	746.875	2.528	746.840	1.703	746.670	0.000 *	746.670	0.000	746.670	0.000	746.680	0.000
29	746.875	2.585	746.800	1.319 #			746.670	0.000	746.680	0.000	746.680	0.000
30	747.270	18.12 *	746.830	1.791 #			746.670	0.000	746.670	0.000	746.670	0.000
31	747.250	17.29	746.800	1.523			746.670	0.000			746.680	0.000
Ten-Daily Mean												
I Ten-Daily	747.129	11.90	746.934	4.680	746.799	1.434	746.801	1.497	746.663	0.000	746.673	0.000
II Ten-Daily	747.267	17.32	746.891	2.997	746.802	1.472	746.739	0.655	746.673	0.000	746.673	0.000
III Ten-Daily	747.154	14.03	746.843	1.966	746.704	0.301	746.668	0.000	746.681	0.000	746.669	0.000
Monthly												
Min.	746.875	2.528	746.790	1.101	746.670	0.000	746.660	0.000	746.650	0.000	746.660	0.000
Max.	747.340	24.42	747.240	16.11	746.840	1.939	746.870	2.194	746.750	0.000	746.680	0.000
Mean	747.182	14.4	746.888	3.174	746.773	1.124	746.734	0.694	746.672	0	746.672	0

Peak Computed Discharge = 1902 cumecs on 15-08-2018

Corres. Water Level :752.16 m

Lowest Computed Discharge = 0.000 cumecs on 28-02-2019

Corres. Water Level :746.67 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

Station Name : Akkihebbal (CCR00B7)

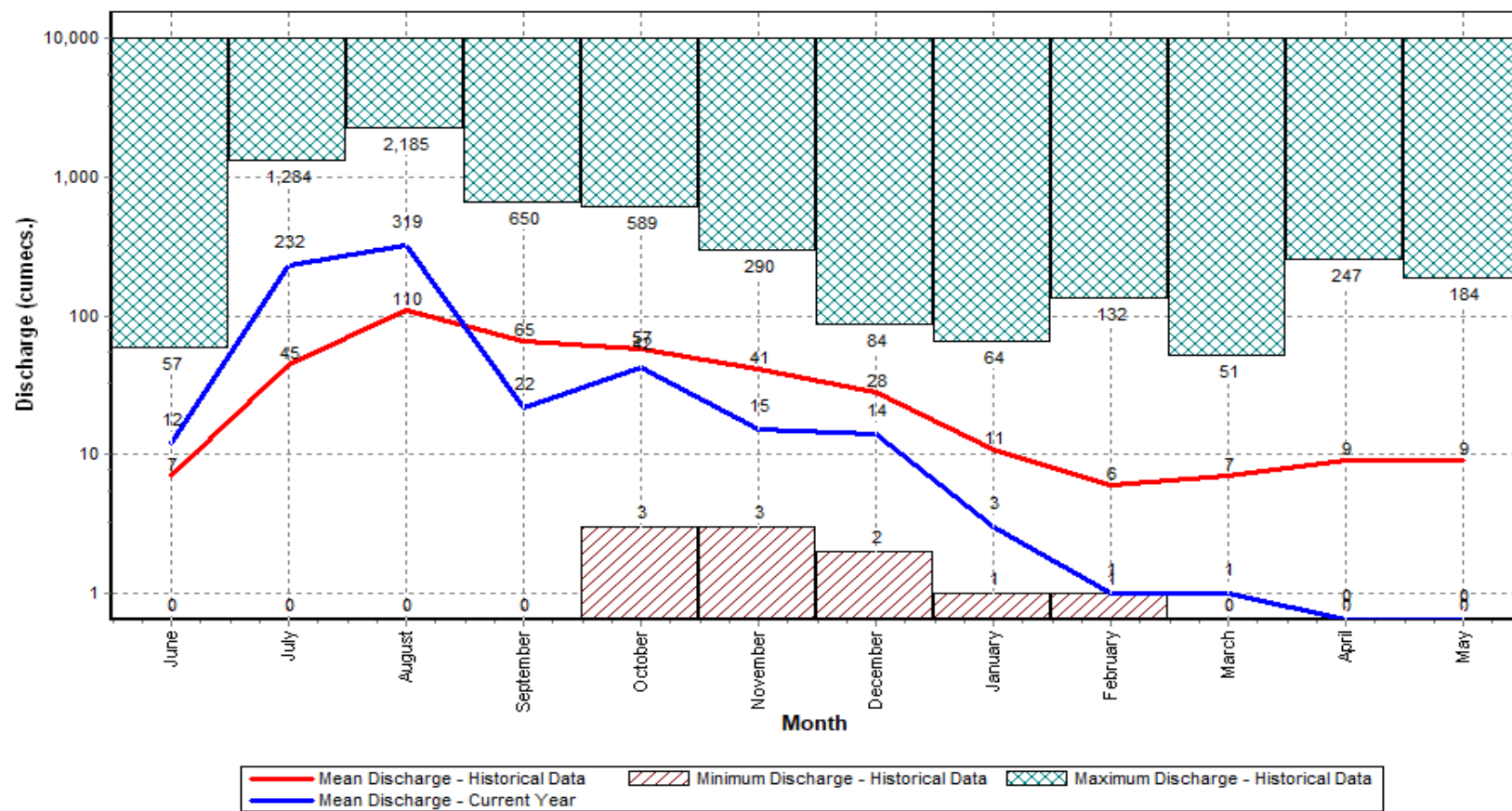
Data considered : 2002-2019

Local River : Hemavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Annual Runoff Values for the period: 2002 - 2019

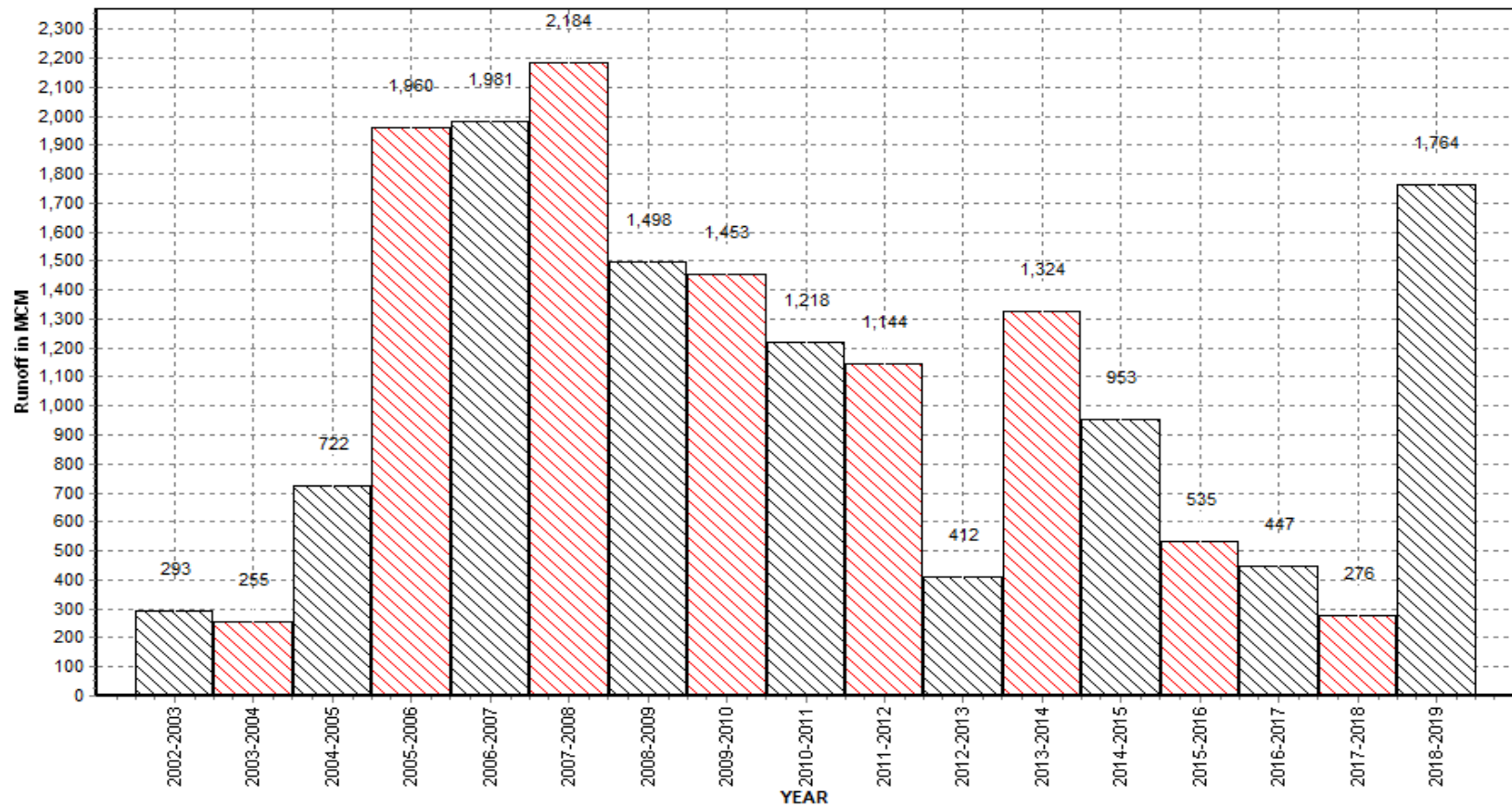
Station Name : Akkihebbal (CCR00B7)

Local River : Hemavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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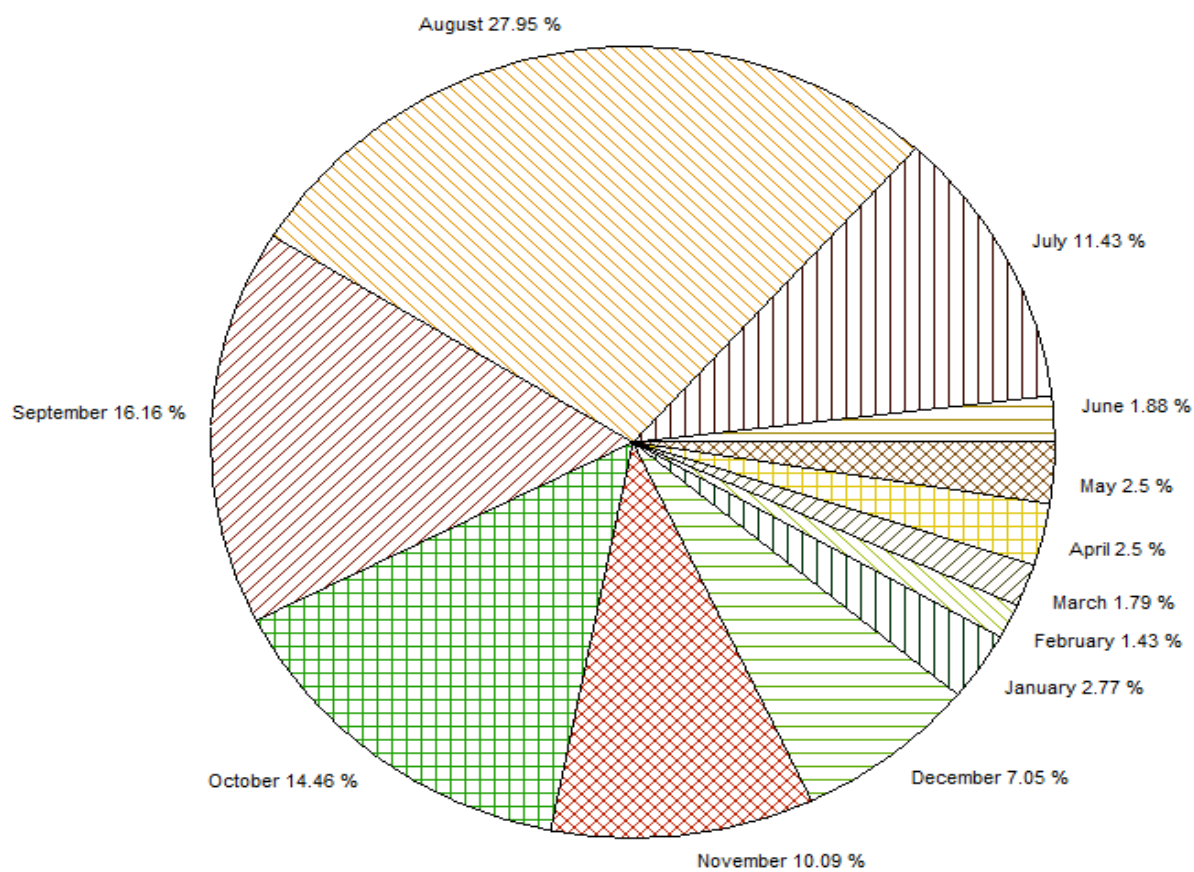


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Akkihebbal (CCR00B7)
Local River : Hemavathi

Monthly Average Runoff based on period : 2002-2018

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

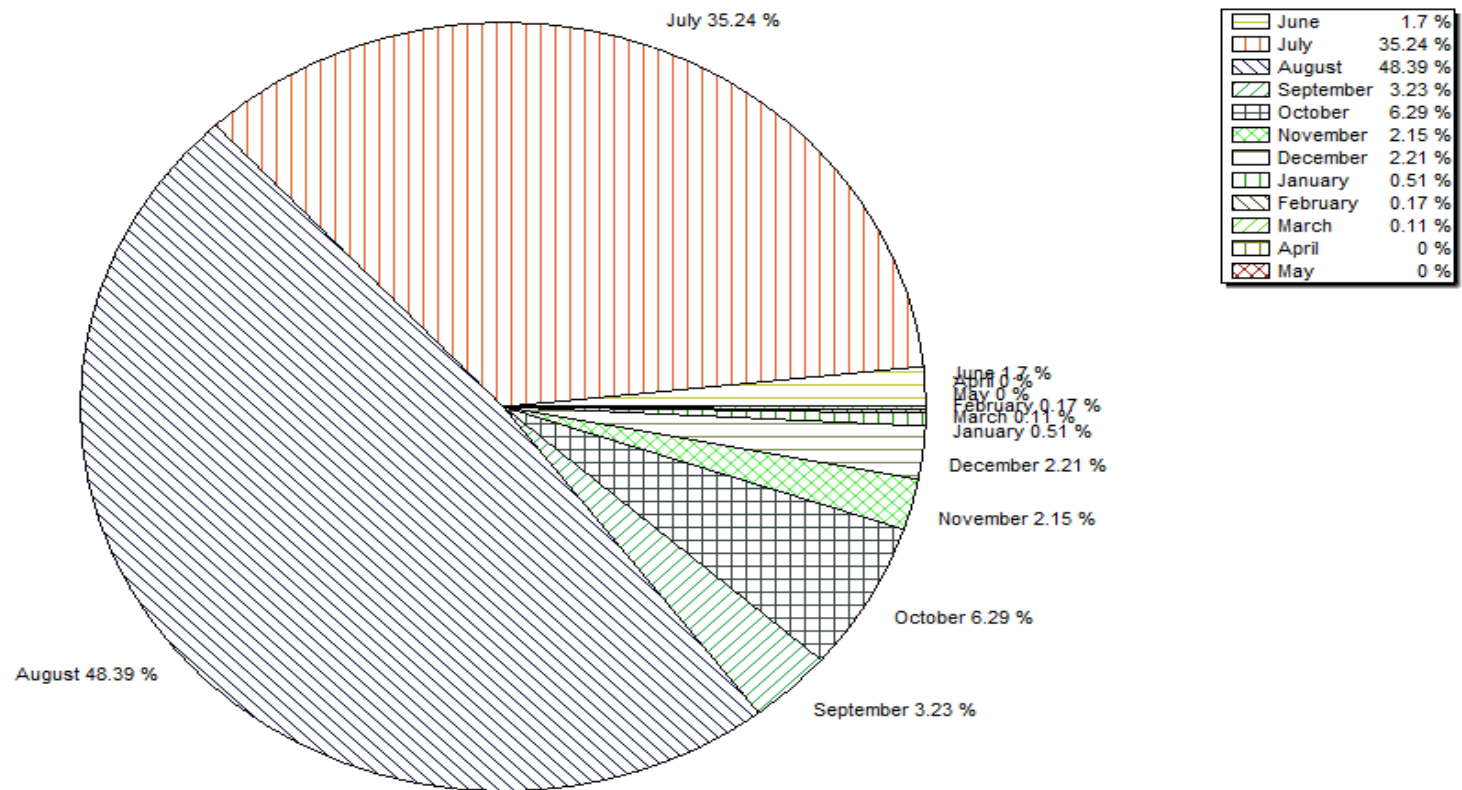


June	1.88 %
July	11.43 %
August	27.95 %
September	16.16 %
October	14.46 %
November	10.09 %
December	7.05 %
January	2.77 %
February	1.43 %
March	1.79 %
April	2.5 %
May	2.5 %

Station Name : Akkihebbal (CCR00B7)
Local River : Hemavathi

Monthly Runoff for the Year : 2018-2019

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

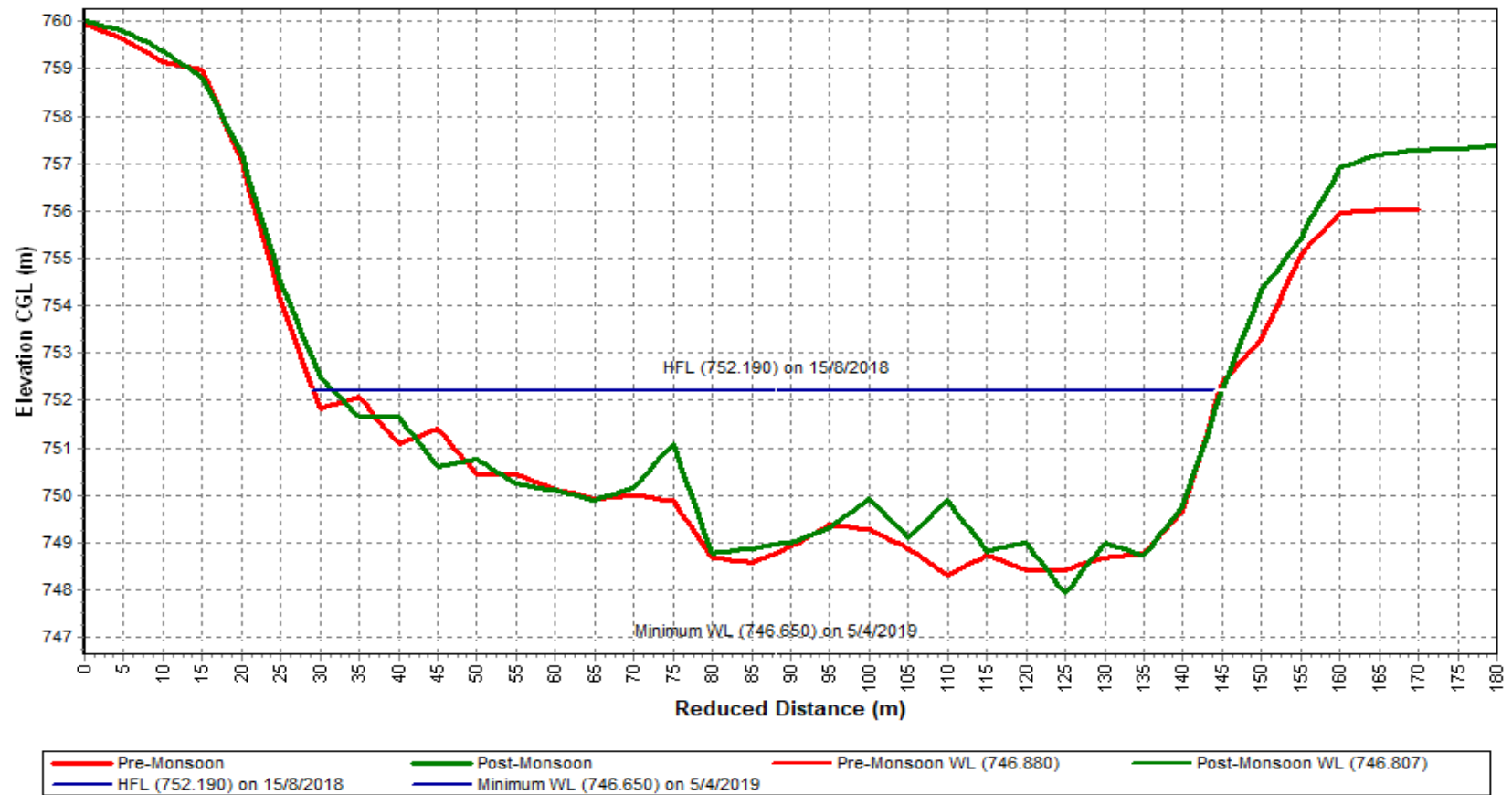


Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : Akkihebbal (CCR00B7)
Local River : Hemavathi

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

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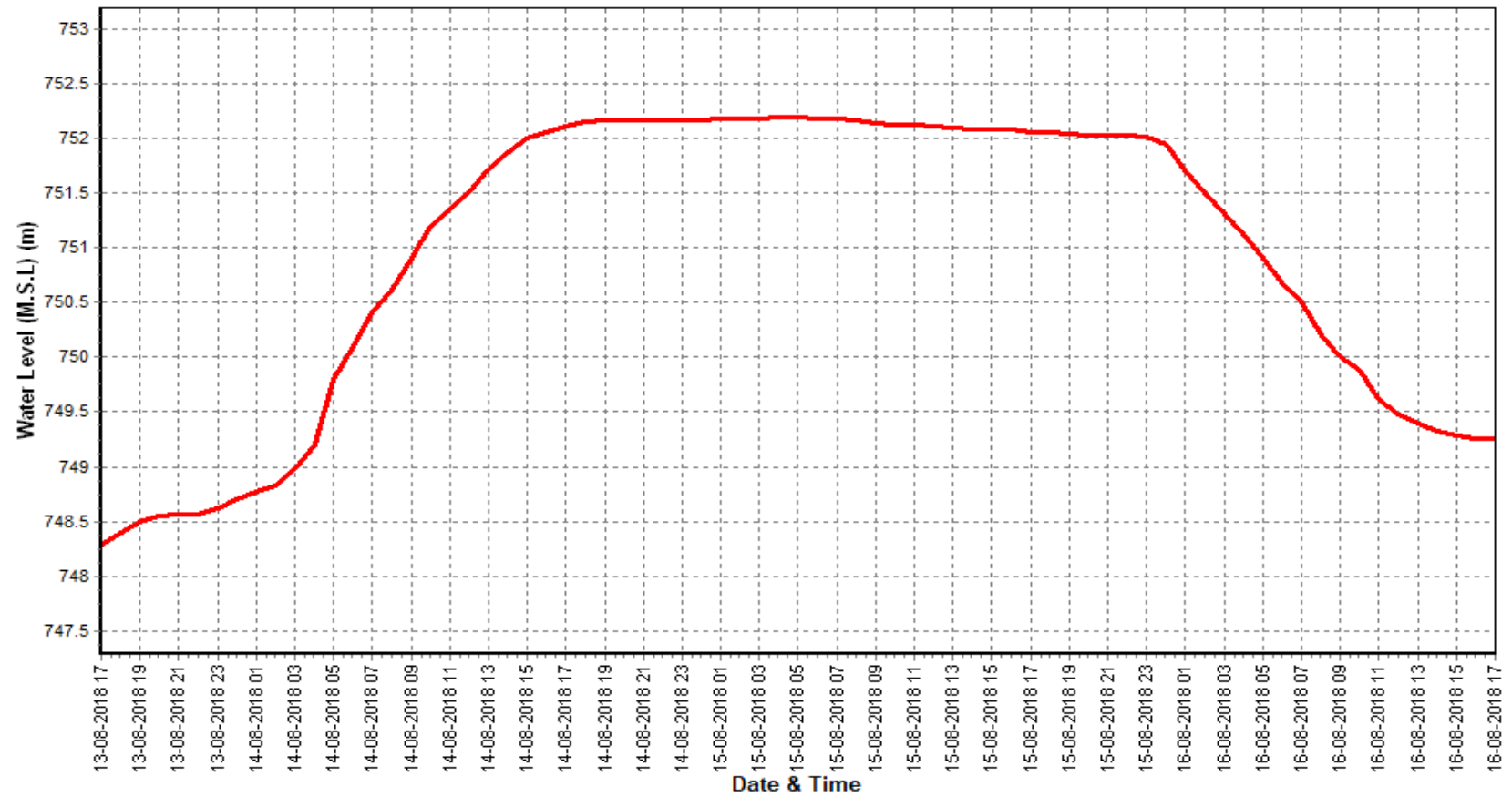
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : Akkihebbal (CCR00B7)

Local River : Hemavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

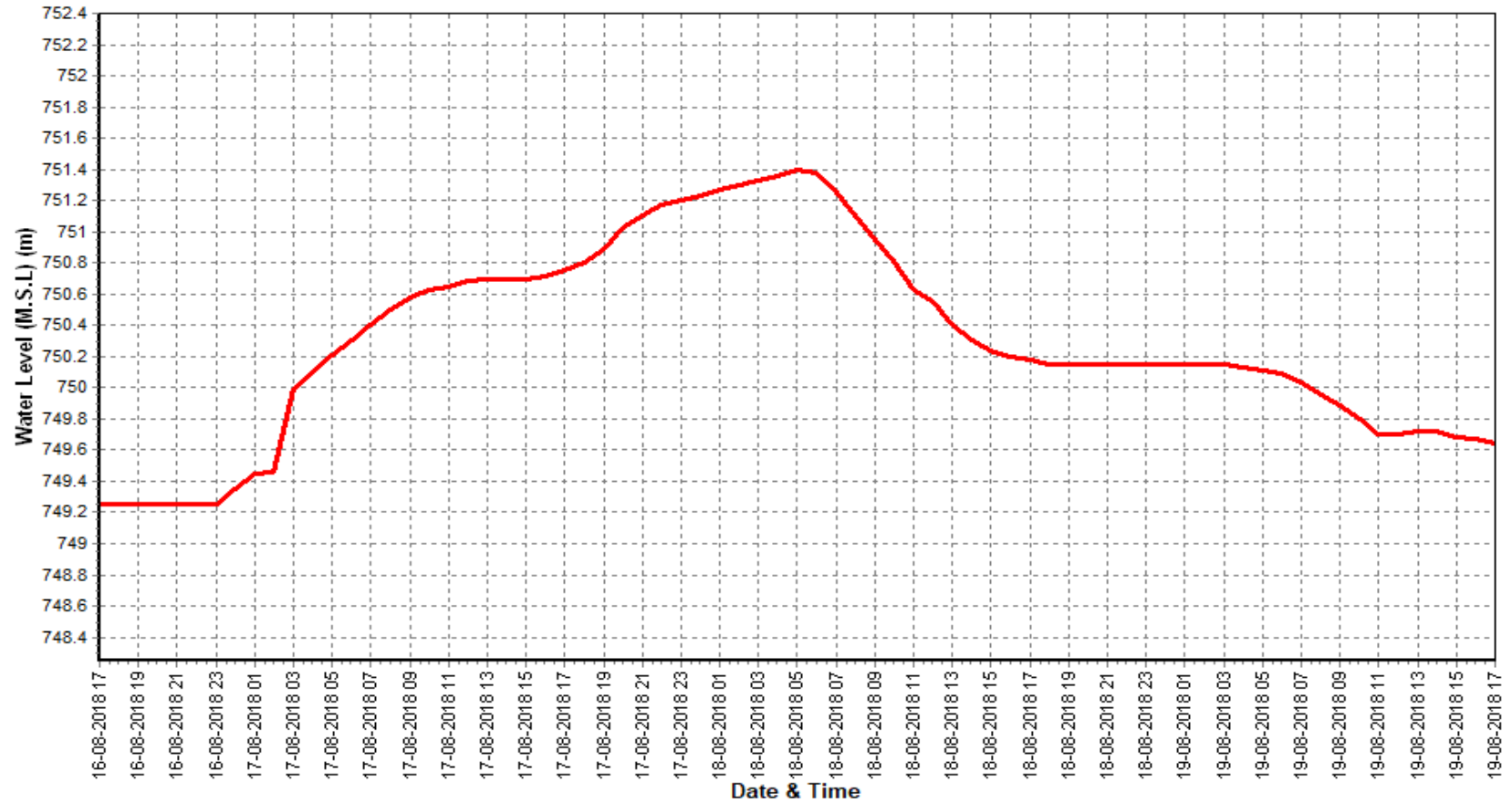


Time Span: 72 Hrs

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : Akkihebbal (CCR00B7)
Local River : Hemavathi

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Time Span: 72 Hrs

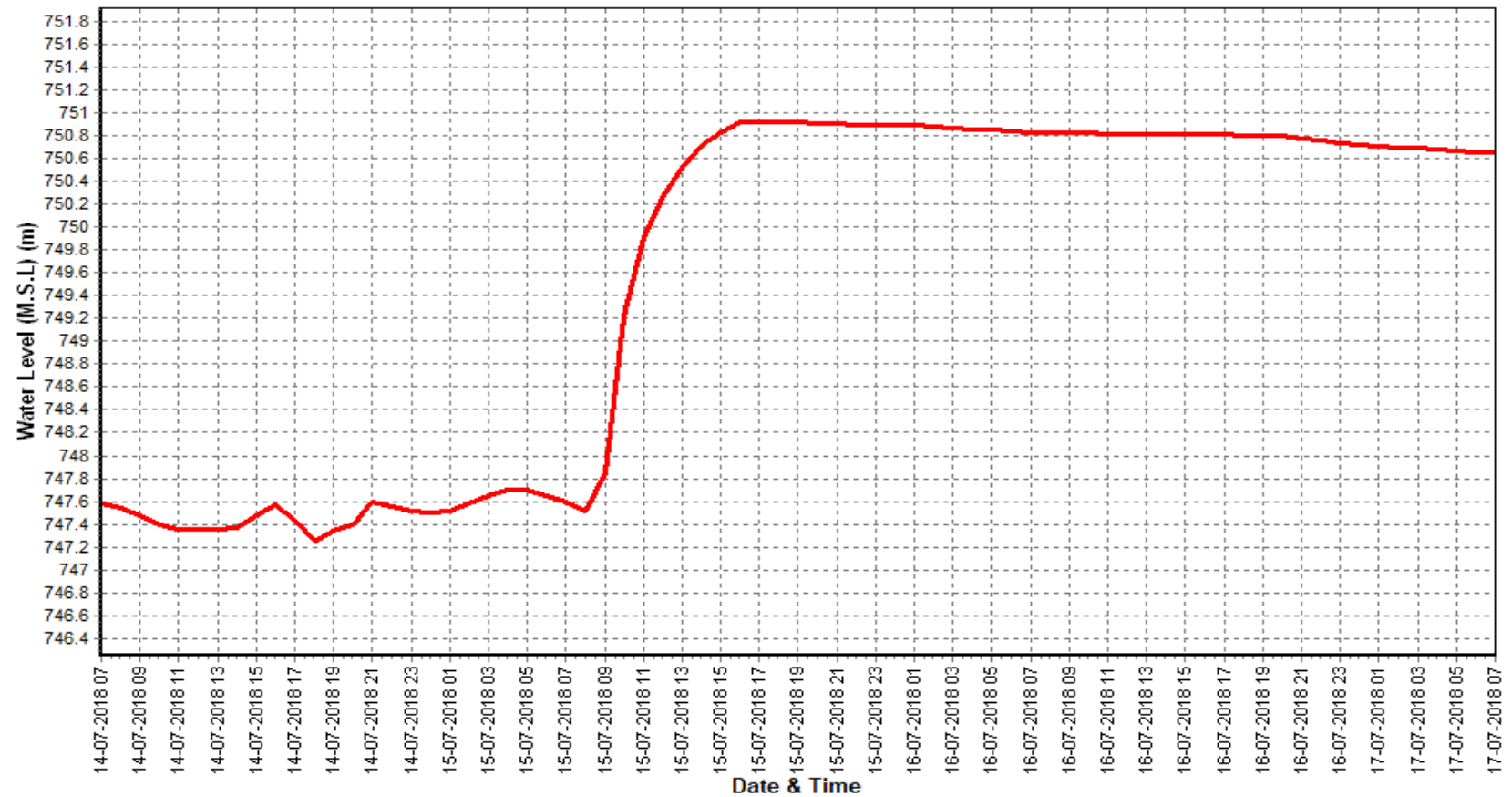
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : Akkihebbal (CCR00B7)

Local River : Hemavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2018-2019

Site : M.H.Halli

Code : CCR00M8

State : Karnataka

District : Hassan

Basin : Cauvery

Independent River : Cauvery

Tributary : Hemavathi

Sub Tributary : -

Sub-Sub Tributary : -

Local River : Hemavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

Drainage Area : 3050 Sq. Km.

Bank : Left

Latitude : 12°49'08"

Longitude : 76°08'00"

Zero of Gauge (m) : 838.000(m.s.l)

04-10-77

Opening Date

Closing Date

Gauge : 04-10-77

Discharge : 16-10-78

Sediment : 01-06-94

Water Quality : 01-07-80

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1979-1980	650.0	843.320	11-08-79	2.000	839.090	25-05-80
1980-1981	1115	843.960	10-07-80	1.900	838.810	26-01-81
1981-1982	1311	843.960	19-08-81	4.900	838.830	05-02-82
1982-1983	386.2	841.285	04-08-82	0.400	838.645	02-05-83
1983-1984	436.2	841.550	01-10-83	1.800	838.680	07-06-83
1984-1985	781.4	842.575	19-07-84	16.80	839.070	23-05-85
1985-1986	60.00	839.600	20-10-85	2.200	838.695	23-06-85
1986-1987	870.5	843.030	10-08-86	8.000	839.030	15-06-86
1987-1988	100.7	840.430	25-05-88	9.733	839.425	31-05-88
1988-1989	355.5	841.635	06-01-89	8.700	839.430	12-06-88
1989-1990	306.3	841.545	25-08-89	8.500	839.125	11-06-89
1990-1991	496.0	842.875	22-08-90	12.04	839.200	16-06-90
1991-1992	2172	846.477	28-07-91	13.99	839.205	21-02-92
1992-1993	1012	843.260	15-08-92	12.98	839.045	04-05-93
1993-1994	455.9	841.784	16-08-93	17.29	839.035	04-05-94
1994-1995	2170	846.400	16-07-94	13.50	838.960	13-05-95
1995-1996	353.4	841.240	05-09-95	8.500	838.780	26-05-96
1996-1997	60.03	839.600	03-09-96	4.831	838.650	18-06-96
1997-1998	455.0	843.820	08-08-97	6.500	838.620	08-07-97
1998-1999	161.0	840.680	17-09-98	7.185	838.700	02-02-99
1999-2000	617.8	842.260	08-08-99	6.939	838.760	02-02-00
2000-2001	380.8	841.900	23-09-00	3.118	838.810	26-02-01

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2001-2002	195.5	840.050	08-06-01	3.294	838.830	08-07-01
2002-2003	131.7	840.270	10-05-03	1.059	838.710	06-03-03
2003-2004	39.58	839.420	09-11-03	1.392	838.800	29-07-03
2004-2005	132.0	840.290	24-04-05	1.070	838.670	03-04-05
2005-2006	1064	844.000	02-08-05	1.598	838.740	07-07-05
2006-2007	409.6	841.930	17-08-06	2.735	838.255	05-03-07
2007-2008	358.4	840.400	26-09-07	0.351	838.260	04-06-07
2008-2009	792.1	843.230	14-08-08	3.677	838.260	22-07-08
2009-2010	1037	842.600	19-07-09	2.409	838.200	27-01-10
2010-2011	150.4	839.675	23-11-10	4.718	838.250	21-07-10
2011-2012	359.0	840.660	05-09-11	3.653	838.170	08-04-12
2012-2013	184.0	839.800	06-10-12	0.000	838.020	17-07-12
2013-2014	1110	843.470	02-08-13	0.000	838.020	01-06-13
2014-2015	489.0	841.360	06-08-14	0.000	838.140	01-06-14
2015-2016	174.5	839.660	24-08-15	0.000	838.205	01-06-15
2016-2017	231.1	840.065	09-09-16	0.000	837.840	12-04-17
2017-2018	66.47	839.030	08-08-17	0.000	837.940	22-07-17

Stage-Discharge Data for the period 2018 - 2019

Station Name : M.H.Halli (CCR00M8)

Division : Cauvery Division, Bangalore

Local River : Hemavathi

Sub-Division : Upper Cauvery SD, Bangalore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	838.400	18.34	838.450	11.91 *	838.950	63.16	838.310	17.58	838.450	12.34	838.500	16.52 #
2	838.440	21.22	838.500	18.97	838.950	61.67	838.350	18.78 *	838.350	12.66 *	838.500	20.58
3	838.450	22.00 *	838.430	9.136	838.960	61.86	838.350	20.12	838.340	10.46	838.500	20.70
4	838.440	21.24	838.450	11.81	838.960	62.39	838.290	14.84	838.350	9.730	838.450	15.17 *
5	838.380	17.04	838.450	11.91 #	838.960	64.52 *	838.260	11.59	838.350	10.17	838.450	12.41
6	838.380	16.91	838.450	11.91 #	838.880	50.32	838.360	18.29	838.390	13.14	838.450	11.77
7	838.420	11.65	838.450	11.91 #	838.780	43.38	838.340	16.58	838.390	13.64 *	838.450	11.53
8	838.450	13.40	838.500	15.74 *	838.850	47.84	838.360	18.45	838.500	17.56	838.450	15.17 *
9	838.450	13.89	838.450	11.91 #	840.100	1065	838.380	20.87 *	838.500	17.51	838.450	11.46
10	838.460	12.65	838.500	12.47	840.100	1095	838.340	16.35	838.350	13.12	838.450	11.69
11	838.500	18.98	838.550	15.25	839.800	1010	838.340	15.94	838.330	12.91	838.450	15.17 *
12	838.500	18.97	838.550	15.37	839.360	960.1	838.360	18.54	838.260	9.650	838.450	11.72
13	838.480	14.29	838.620	25.03	839.900	998.8	838.320	16.78 *	838.330	12.71	838.450	11.64
14	838.450	13.68	838.980	59.98	843.500	1581 *	838.320	14.05	838.340	12.42 *	838.500	18.10
15	838.470	12.53	841.850	685.6 *	844.000	1666 *	838.320	14.36	838.350	13.31	838.500	18.32
16	838.450	11.91 *	842.040	729.6	840.700	1133	838.320	11.96 *	838.390	15.66	838.500	17.49
17	838.440	11.19 *	841.900	686.3	842.050	1234	838.320	14.25	838.550	17.93 #	838.500	17.20
18	838.420	11.40	841.700	643.7 *	841.550	1434	838.320	14.22	838.550	17.93 *	838.500	16.52 *
19	838.450	11.95	841.000	428.3	840.500	1116 *	838.300	12.59	838.620	20.01 *	838.550	18.53
20	838.450	11.92	839.500	149.2	840.700	1121	838.320	14.01	838.500	16.52 #	838.550	18.52
21	838.450	11.64	838.980	61.32	839.820	1022 *	838.320	11.96 *	838.580	18.81 *	838.550	17.93 *
22	838.450	11.72	842.200	786.8 *	839.700	1005 *	838.340	12.48	838.350	13.40	838.520	18.14
23	838.450	11.72	840.900	378.5	839.700	184.4	838.320	11.96 *	838.380	15.30	838.500	17.00 *
24	838.440	11.19 *	840.400	358.4	839.700	182.9	838.340	13.11	838.350	13.64	838.500	17.51
25	838.440	10.73	840.370	350.2	839.420	150.7	838.340	12.64	838.390	15.21	838.500	16.52 *
26	838.440	10.80	840.370	355.8	838.900	69.68 *	838.550	17.93 #	838.350	12.94	838.500	17.38
27	838.440	10.57	839.800	211.6	838.560	32.77	838.550	17.93 #	838.500	16.52 #	838.450	11.44
28	838.470	12.18	838.950	71.35	838.270	15.90	838.600	22.89	838.540	17.65 *	838.450	11.41
29	838.440	10.74	838.950	63.24 *	838.240	12.75	838.500	16.12	838.500	21.06	838.450	15.17 #
30	838.440	10.92	838.950	68.81	838.270	15.61	838.380	13.39 *	838.500	20.26	838.460	11.51
31			838.950	69.39	838.310	17.70			838.500	20.37		
Ten-Daily Mean												
I Ten-Daily	838.427	16.83	838.463	12.77	839.149	261.5	838.334	17.34	838.397	13.03	838.465	14.70
II Ten-Daily	838.461	13.68	840.269	343.8	841.206	1225	838.324	14.67	838.422	14.91	838.495	16.32
III Ten-Daily	838.446	11.22	839.893	252.3	838.990	246.3	838.424	15.04	838.449	16.83	838.488	15.40
Monthly												
Min.	838.380	10.57	838.430	9.136	838.240	12.75	838.260	11.59	838.260	9.650	838.450	11.41
Max.	838.500	22.00	842.200	786.8	844.000	1666	838.600	22.89	838.620	21.06	838.550	20.70
Mean	838.445	13.91	839.553	204.6	839.756	567.1	838.361	15.68	838.424	14.99	838.483	15.47

Annual Runoff in MCM = 2272 Annual Runoff in mm = 745

Peak Observed Discharge = 1434 cumecs on 18-08-2018 Corres. Water Level :841.55 m

Lowest Observed Discharge = 0.000 cumecs on 01-02-2019 Corres. Water Level :838.16 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : M.H.Halli (CCR00M8)

Division : Cauvery Division, Bangalore

Local River : Hemavathi

Sub-Division : Upper Cauvery SD, Bangalore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	838.460	10.28	838.520	8.096 *	838.160	0.000	838.310	6.738 #	838.180	2.284	837.910	0.000
2	838.460	10.60 *	838.520	8.096 *	838.090	0.000	838.350	8.358 #	838.290	6.255	837.910	0.000
3	838.460	10.16	838.500	8.389	838.030	0.000	838.500	16.14 *	838.300	7.572	837.780	0.000
4	838.460	10.81	838.450	4.832	838.010	0.000	838.300	6.361 #	838.550	18.41	837.780	0.000
5	838.460	10.45	838.500	8.638	838.170	0.000	838.010	0.000	838.530	16.46	837.780	0.000
6	838.460	10.11	838.540	9.286 *	838.200	1.364 #	838.010	0.000	838.300	7.052	837.750	0.000
7	838.460	10.50	838.590	12.70 #	838.410	2.257	837.850	0.000	838.250	4.653 *	837.750	0.000
8	838.460	10.53	838.440	4.662	838.410	2.694 *	837.880	0.000	837.900	0.000	837.690	0.000
9	838.450	8.590 *	838.450	4.192	838.040	0.000	837.800	0.000	837.800	0.000	837.690	0.000
10	838.460	10.72	838.450	4.887	838.060	0.000	837.900	0.000	837.900	0.000	837.690	0.000
11	838.450	9.169	838.480	5.885	838.150	0.000	837.850	0.000	837.900	0.000	837.750	0.000
12	838.450	9.537	838.440	4.569	838.200	0.000	837.850	0.000	837.800	0.000	837.850	0.000
13	838.450	9.333	838.440	4.246 *	838.310	1.998 #	837.850	0.000	837.820	0.000	837.750	0.000
14	838.450	9.377	838.420	3.606	838.440	3.405	837.850	0.000	837.820	0.000	837.750	0.000
15	838.450	9.264	838.440	4.246 *	838.410	2.611	837.860	0.000	837.820	0.000	837.750	0.000
16	838.450	8.590 *	838.420	3.454	838.440	3.523	837.860	0.000	837.860	0.000	837.740	0.000
17	838.450	7.103	838.500	7.051	838.350	2.262 *	837.850	0.000	837.860	0.000	837.740	0.000
18	838.440	6.966	838.480	4.694	838.410	2.579	837.800	0.000	837.860	0.000	837.740	0.000
19	838.440	6.835	838.500	7.450	838.150	0.000	837.850	0.000	837.820	0.000	837.740	0.000
20	838.440	6.747	838.450	4.650 *	838.050	0.000	837.900	0.000	837.810	0.000	837.740	0.000
21	838.440	6.512	838.500	7.361	838.010	0.000	837.900	0.000	837.860	0.000	837.730	0.000
22	838.440	6.434	838.500	6.996 *	838.100	0.000	837.910	0.000	837.860	0.000	837.730	0.000
23	838.440	6.810 *	838.500	6.792	838.100	0.000	837.900	0.000	837.860	0.000	837.730	0.000
24	838.440	6.912	838.480	4.637	838.210	1.500	837.900	0.000	837.860	0.000	837.730	0.000
25	838.440	6.810 *	838.500	6.265	838.230	1.403	837.900	0.000	837.860	0.000	837.800	0.000
26	838.440	6.882	838.450	4.650 *	838.240	1.578 #	837.950	0.000	837.860	0.000	837.800	0.000
27	838.440	6.484	838.400	2.841 *	838.440	2.926 #	837.960	0.000	837.810	0.000	837.800	0.000
28	838.440	6.810 *	838.310	2.316	838.430	2.421	837.910	0.000	837.810	0.000	837.800	0.000
29	838.460	4.953	838.300	1.845			837.900	0.000	837.810	0.000	837.800	0.000
30	838.520	8.096 *	838.200	1.364 *			838.010	0.000	837.810	0.000	837.790	0.000
31	838.500	6.996 #	838.180	1.263 *			838.150	0.000			837.790	0.000
Ten-Daily Mean												
I Ten-Daily	838.459	10.27	838.496	7.378	838.158	0.632	838.091	3.760	838.200	6.269	837.773	0.000
II Ten-Daily	838.447	8.292	838.457	4.985	838.291	1.638	837.852	0.000	837.837	0.000	837.755	0.000
III Ten-Daily	838.455	6.700	838.393	4.212	838.220	1.229	837.945	0.000	837.840	0.000	837.773	0.000
Monthly												
Min.	838.440	4.953	838.180	1.263	838.010	0.000	837.800	0.000	837.800	0.000	837.690	0.000
Max.	838.520	10.81	838.590	12.70	838.440	3.523	838.500	16.14	838.550	18.41	837.910	0.000
Mean	838.454	8.367	838.447	5.483	838.223	1.161	837.962	1.213	837.959	2.09	837.767	0

Peak Computed Discharge = 1666 cumecs on 15-08-2018

Corres. Water Level :844 m

Lowest Computed Discharge = 1.263 cumecs on 31-01-2019

Corres. Water Level :838.18 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

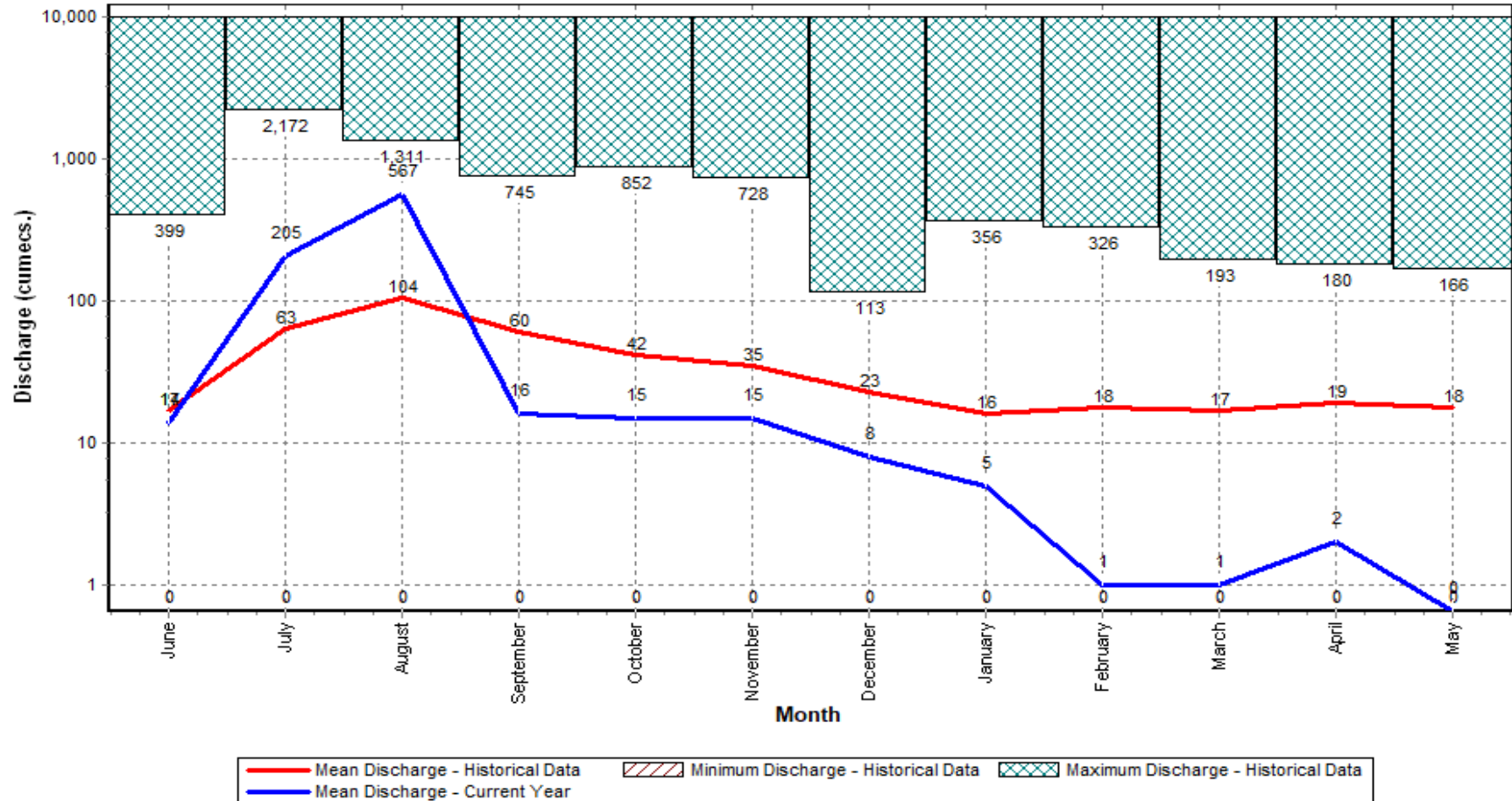
#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019 Data considered : 1979-2019

Station Name : M.H.Halli (CCR00M8)
Local River : Hemavathi

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Annual Runoff Values for the period: 1979 - 2019

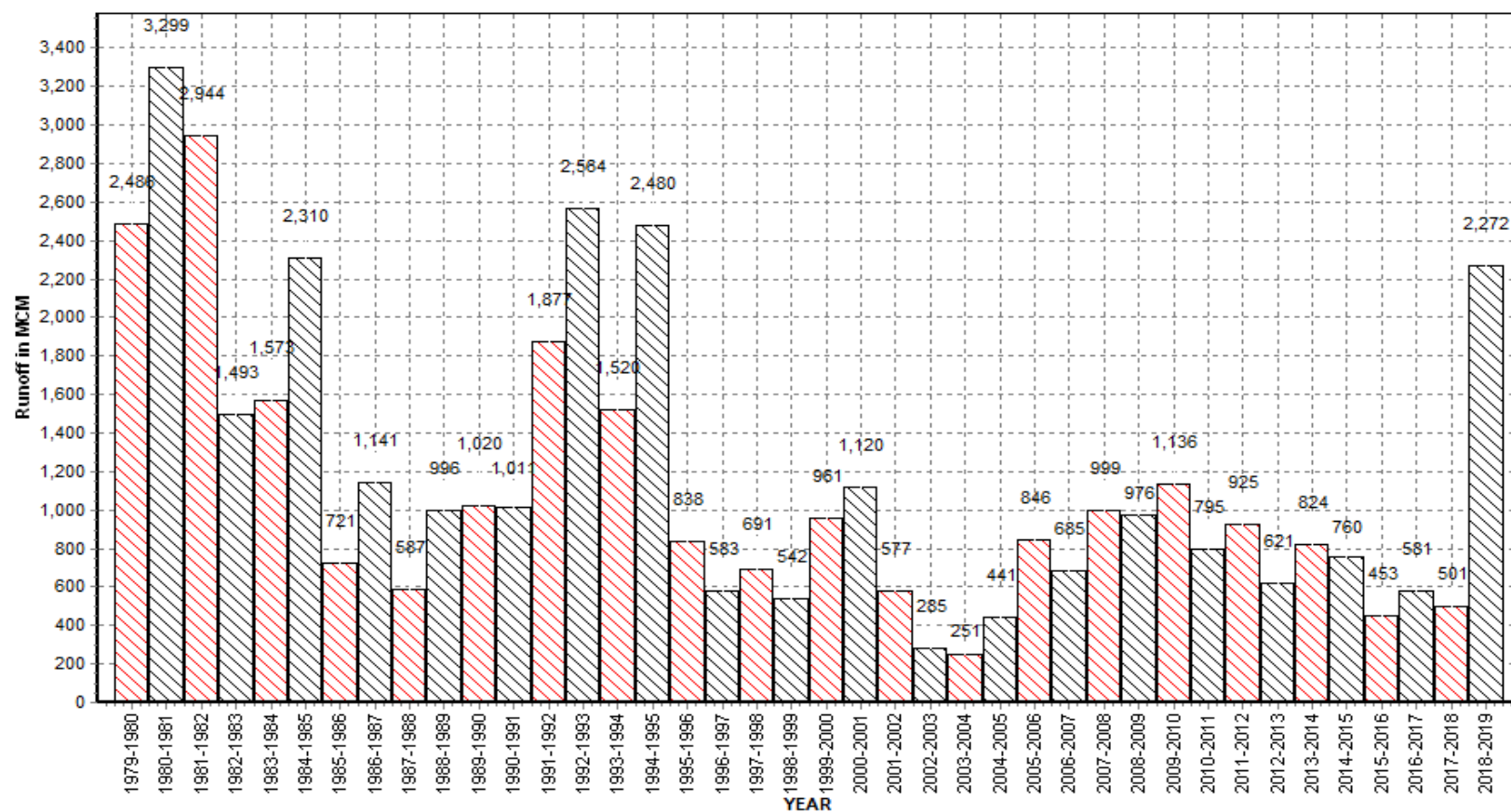
Station Name : M.H.Halli (CCR00M8)

Local River : Hemavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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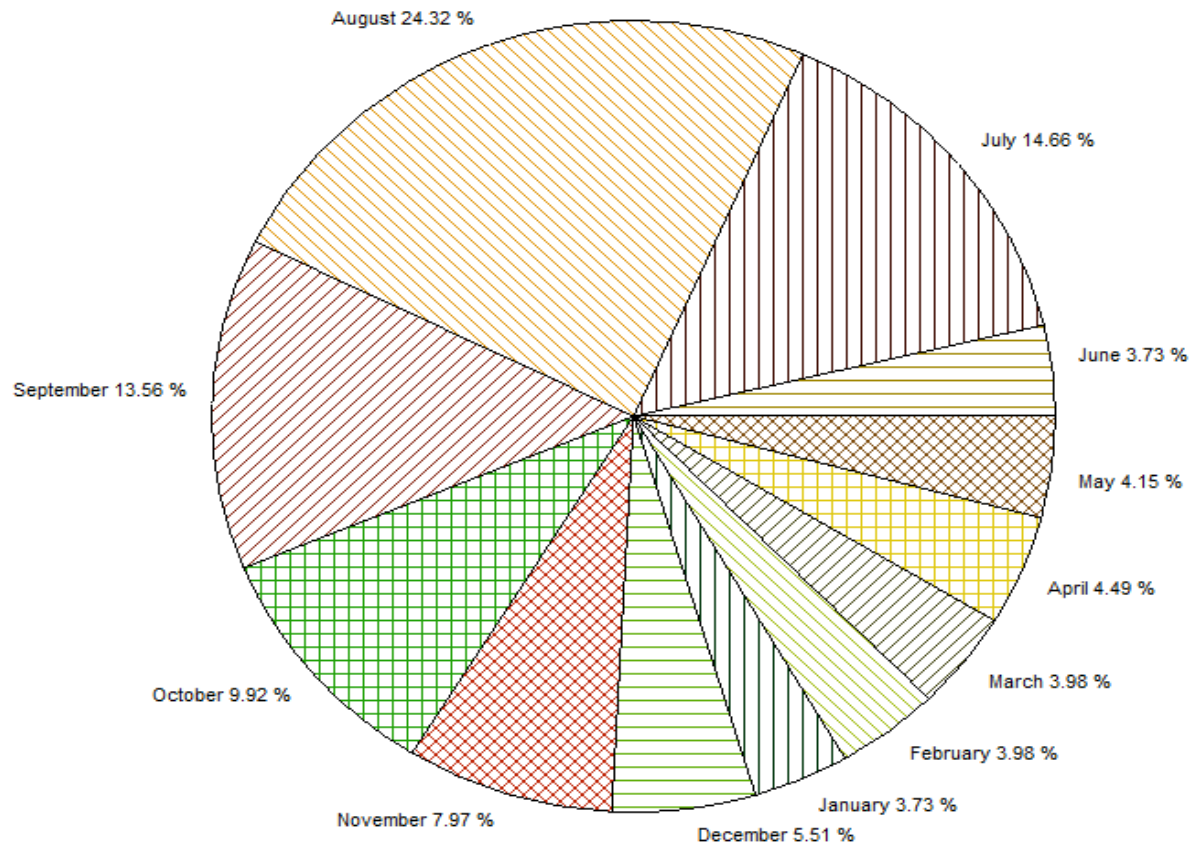


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : M.H.Halli (CCR00M8)
Local River : Hemavathi

Monthly Average Runoff based on period : 1979-2018

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



June	3.73 %
July	14.66 %
August	24.32 %
September	13.56 %
October	9.92 %
November	7.97 %
December	5.51 %
January	3.73 %
February	3.98 %
March	3.98 %
April	4.49 %
May	4.15 %

Monthly Runoff for the Year : 2018-2019

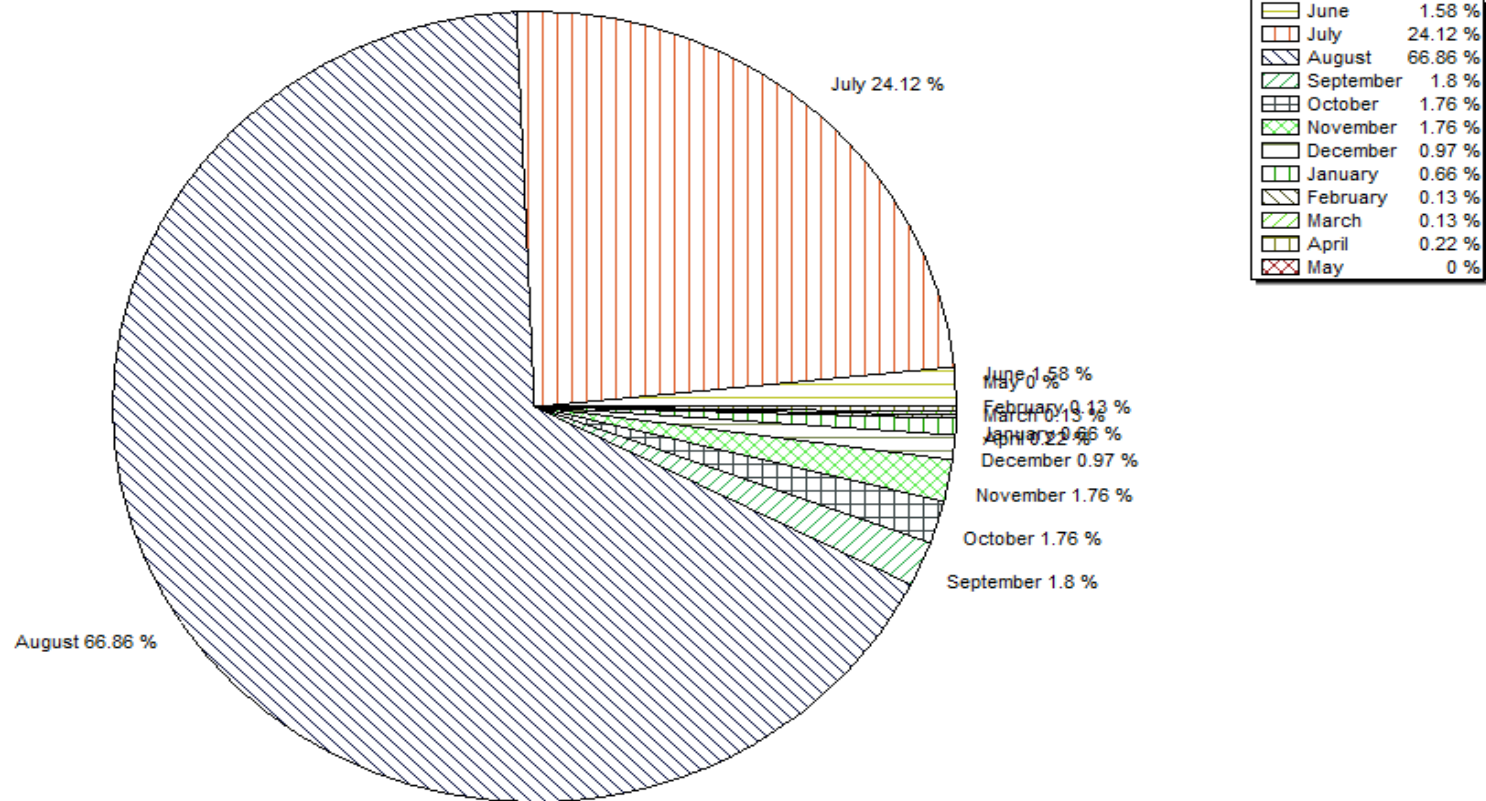
Station Name : M.H.Halli (CCR00M8)

Local River : Hemavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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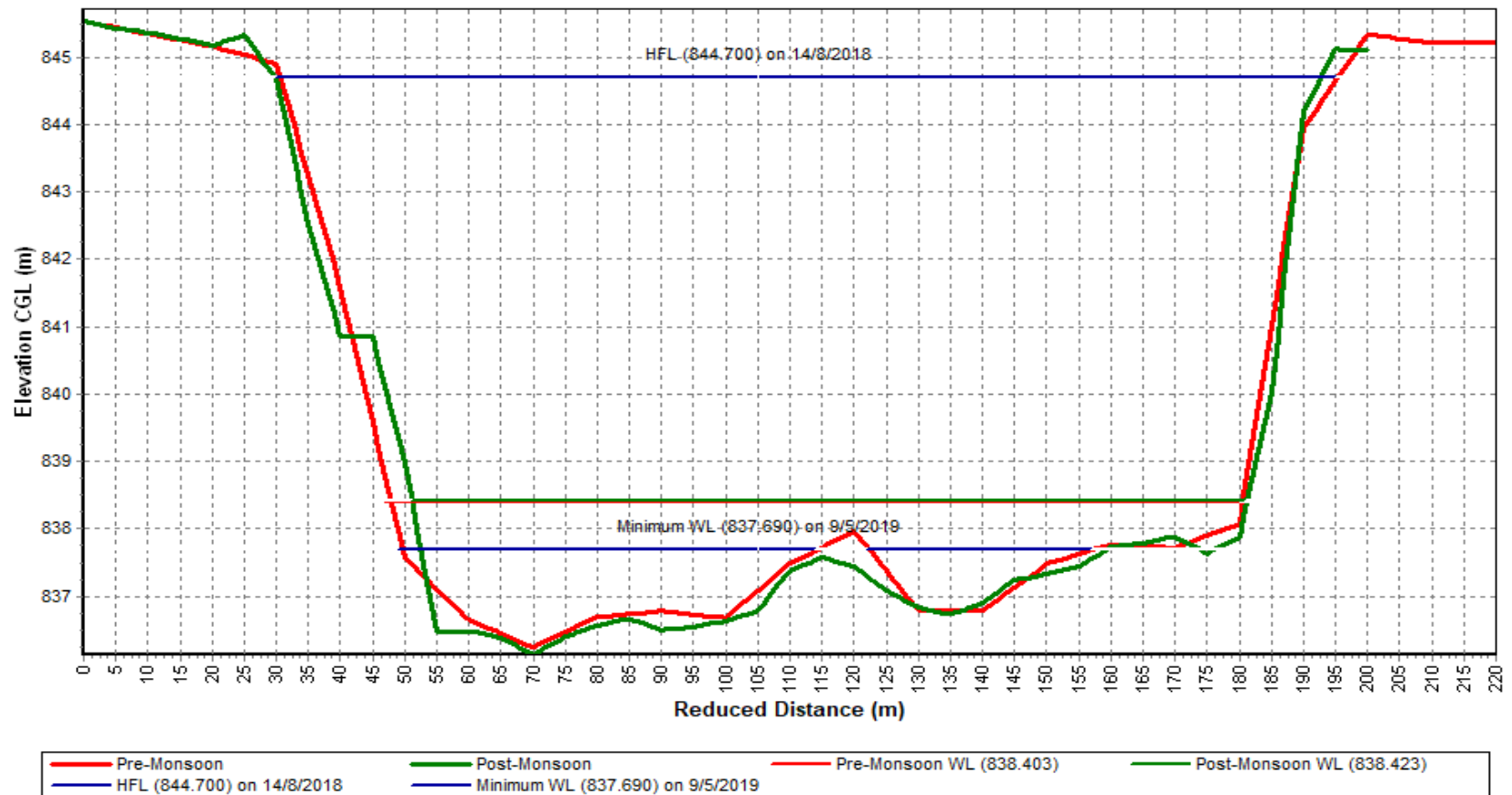


Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : M.H.Halli (CCR00M8)
Local River : Hemavathi

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

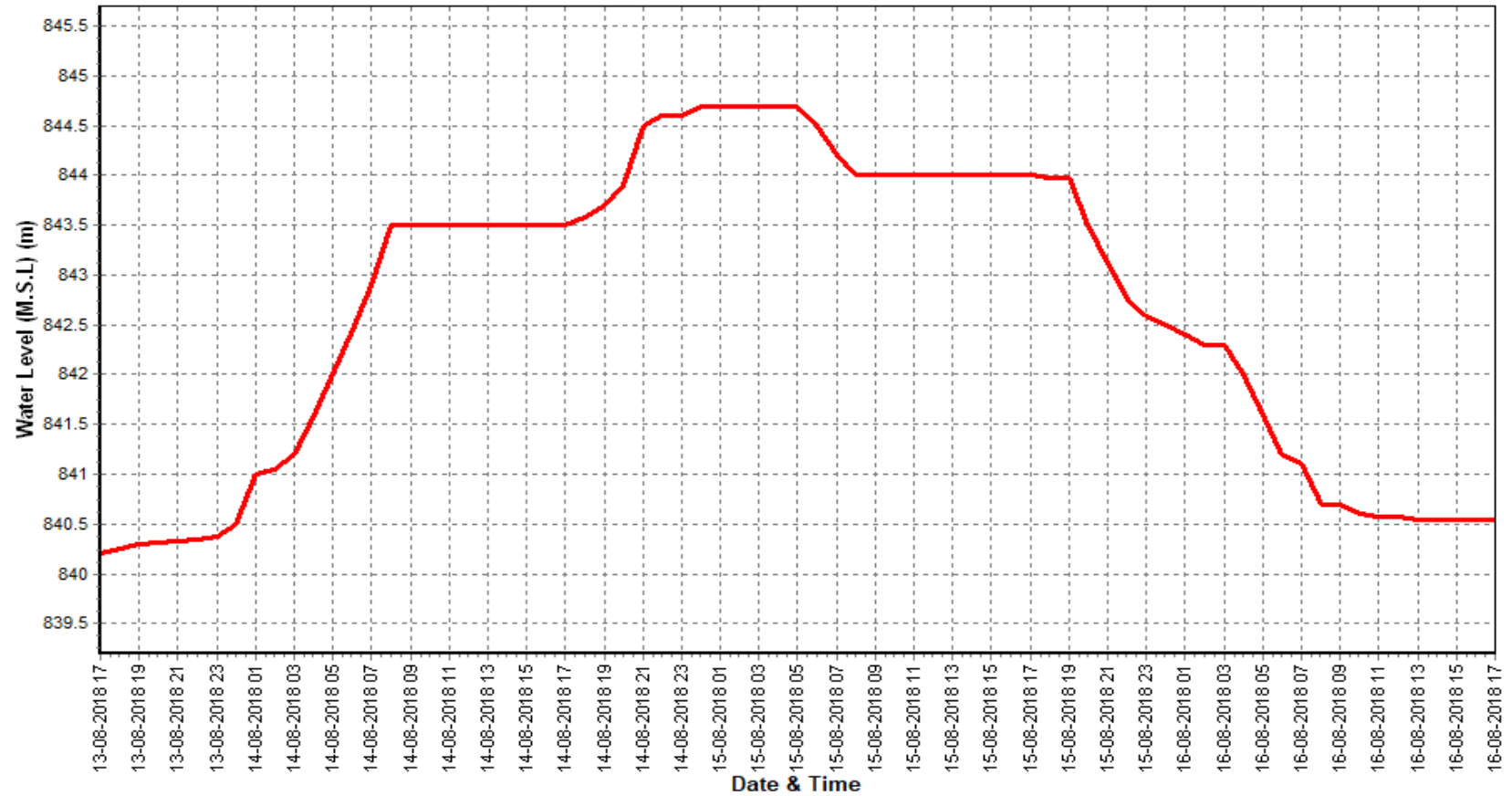
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Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : M.H.Halli (CCR00M8)
Local River : Hemavathi

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Time Span: 72 Hrs

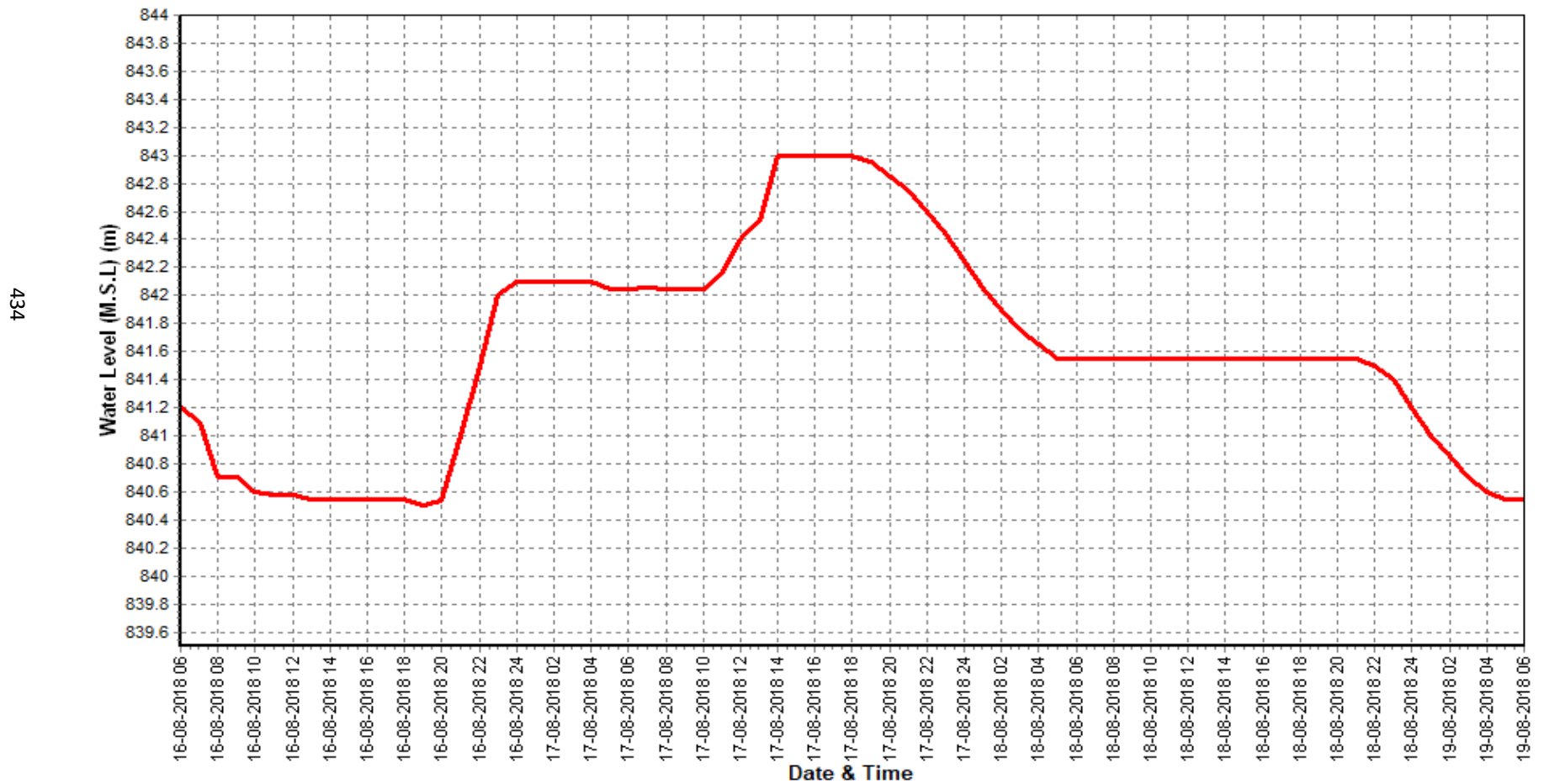
Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : M.H.Halli (CCR00M8)

Local River : Hemavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



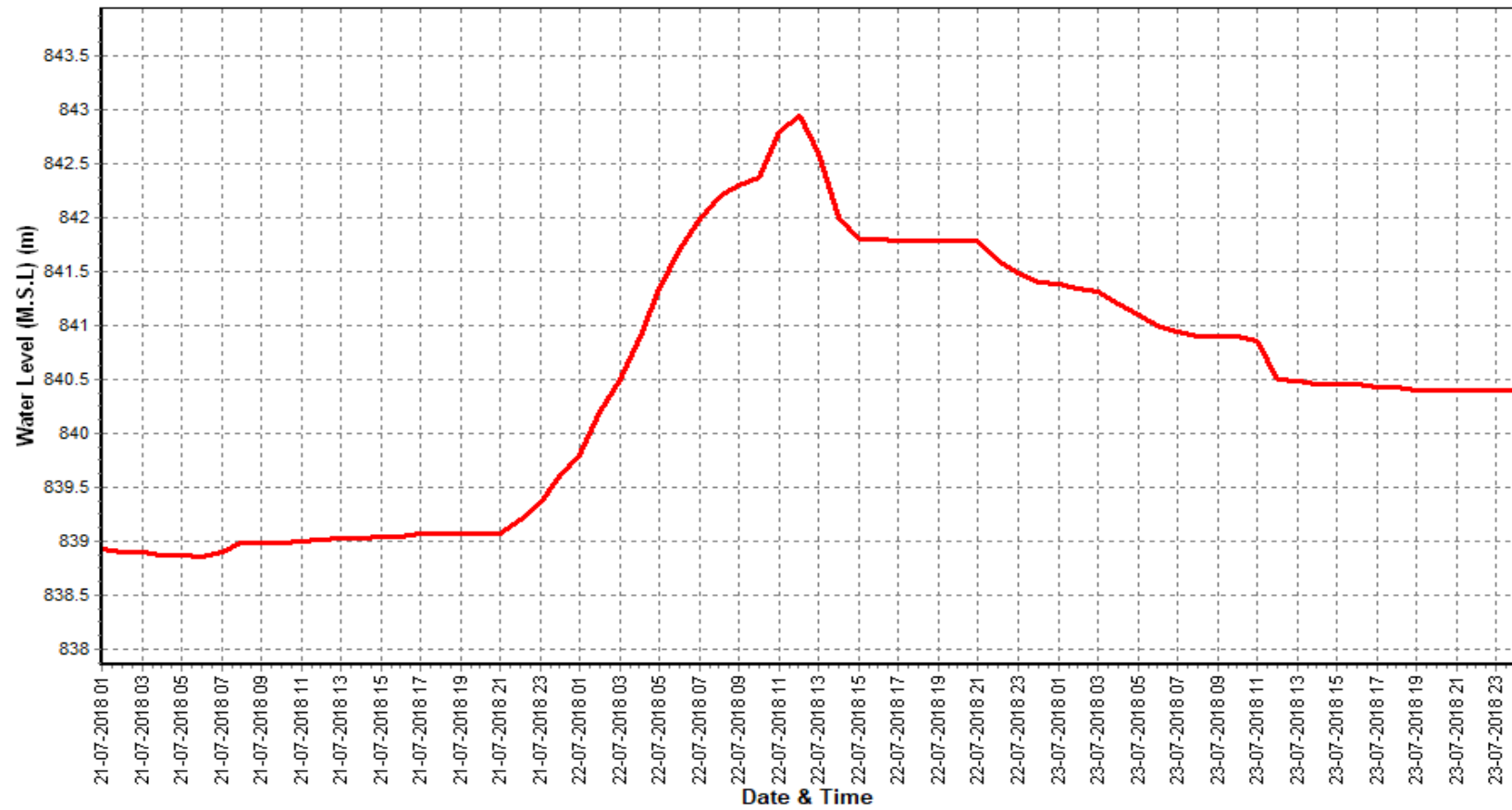
Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : M.H.Halli (CCR00M8)
Local River : Hemavathi

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

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Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2018-2019

Site : Thimmanahalli

Code : CCRI0F7

State : Karnataka

District : Hassan

Basin : Cauvery

Independent River : Cauvery

Tributary : Yagachi

Sub Tributary :

Sub-Sub Tributary :

Local River : Yagachi

Division : Cauvery Division, Bangalore

Sub-Division : SWRSD-III, Mangalore

Drainage Area : 1010 Sq. Km.

Bank : Left

Latitude : 12°58'57"

Longitude : 76°02'17"

Zero of Gauge (m) : 8.000 (m.s.l)
902.425 (m.s.l)09-12-98 - 31-05-00
01-06-00

Opening Date

Closing Date

Gauge : 09-12-98

Discharge : 29-06-00

Sediment :

Water Quality : 02-09-02

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2001-2002	32.54	906.345	16-06-01	0.000	905.130	13-03-02
2002-2003	16.41	906.045	31-10-02	0.000	905.215	11-07-02
2003-2004	4.673	905.745	21-10-03	0.000	Dry Bed	07-03-04
2004-2005	19.91	906.265	17-06-04	0.000	905.165	21-03-05
2005-2006	69.77	907.355	03-08-05	0.157	905.365	19-06-05
2006-2007	87.33	907.445	05-07-06	0.211	905.435	23-05-07
2007-2008	365.3	908.635	06-08-07	0.218	905.425	29-01-08
2008-2009	301.7	908.665	14-08-08	0.267	905.415	31-03-09
2009-2010	393.1	909.665	16-07-09	0.186	905.485	26-02-10
2010-2011	249.6	908.725	06-11-10	1.488	905.580	16-07-10
2011-2012	85.00	907.375	16-10-11	0.621	905.525	10-03-12
2012-2013	50.27	906.625	07-10-12	0.000	905.400	03-03-13
2013-2014	155.2	907.870	02-08-13	0.392	905.460	24-06-13
2014-2015	85.61	907.200	29-09-14	0.572	905.470	25-05-15
2015-2016	35.01	906.500	02-11-15	0.000	905.380	26-04-16
2016-2017	4.603	905.685	24-10-16	0.000	905.225	10-02-17
2017-2018	3.444	905.875	29-05-18	0.000	905.275	01-06-17

Stage-Discharge Data for the period 2018 - 2019

Station Name : Thimmanahalli (CCRI0F7)

Division : Cauvery Division, Bangalore

Local River : Yagachi

Sub-Division : SWRSD-III, Mangalore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	905.590	1.365 #	905.585	1.316 *	905.605	1.735	905.915	9.408	906.545	36.32	905.665	2.932
2	905.640	1.900 #	905.550	1.080	905.600	1.724	905.895	7.917 *	905.905	8.200 *	905.680	3.350
3	905.955	6.862 *	905.520	1.086	905.605	1.737	905.895	8.379	905.755	4.585	905.685	3.396
4	905.715	2.146	905.505	1.032	905.585	1.538	905.715	3.897	905.725	3.907	905.710	3.605 *
5	905.610	1.570 #	905.495	0.933	905.570	1.484 *	905.635	2.677	905.725	3.913	905.720	4.011
6	905.550	0.754	905.485	0.778	905.535	1.103 #	905.635	2.680	905.725	3.920	905.770	4.898
7	905.520	0.582	905.500	0.838	905.555	1.044	905.635	2.681	905.740	4.185 *	905.745	4.416
8	905.545	0.748	905.540	1.154 *	905.560	1.051	905.635	2.683	905.750	4.456	905.700	3.421 *
9	905.535	0.708	905.570	1.269	905.595	1.726	905.775	4.921 *	905.720	3.905	905.695	3.515
10	905.645	1.958 *	905.565	1.454	905.615	2.060 #	905.775	4.667	905.805	5.352	905.685	3.407
11	905.980	7.046	905.575	1.304	905.580	1.173	905.750	4.483	905.785	5.396	905.675	2.983 *
12	906.020	8.305	905.755	3.180	905.600	1.857 *	905.805	6.089	905.725	3.920	905.665	2.938
13	906.155	11.17	905.795	4.283	905.695	2.748	905.790	5.254 *	905.695	3.396	905.665	2.923
14	906.025	8.751	905.860	6.061	906.055	13.07 #	905.775	4.953	905.685	3.154 *	905.665	2.931
15	905.835	5.054	906.105	14.96 *	906.075	13.81 *	905.775	4.962	905.705	3.597	905.655	2.788
16	905.725	2.976 *	905.925	7.518	906.350	32.12	905.775	4.921 *	905.845	7.274	905.665	2.935
17	905.665	2.195 *	905.865	7.097 *	907.155	81.63	905.605	2.058	905.970	10.27	905.685	3.415
18	905.635	1.952	905.905	6.909	906.690	55.01	905.595	2.022	905.875	7.365 *	905.700	3.421 *
19	905.615	1.715	905.865	6.230	906.325	24.87 *	905.595	2.100	905.835	6.326 *	905.720	4.175
20	905.615	1.710	905.810	4.907	906.355	28.11	905.605	2.073	905.820	6.518	905.720	4.179
21	905.595	1.421	905.815	4.919	906.335	27.32	905.615	2.060 *	905.775	4.921 *	905.680	3.068 *
22	905.575	1.350	905.855	6.835 *	906.115	15.36 *	905.620	2.213	905.705	3.604	905.655	2.780
23	905.550	1.079	905.855	6.067	906.135	11.58	905.635	2.349 *	905.680	3.388	905.650	2.578 *
24	905.555	1.037 *	905.795	4.294	906.110	19.06	905.665	2.908	905.665	2.939	905.685	3.434
25	905.550	1.081	905.795	4.269	905.955	10.73	905.725	3.824	905.655	2.780	905.685	3.154 *
26	905.530	0.998	905.750	3.166	905.955	9.694 *	905.970	10.69	905.645	2.583	905.665	2.913
27	905.530	0.997	905.705	2.781	905.835	7.129	906.305	23.51	905.635	2.249	905.645	2.592
28	905.530	0.996	905.680	2.375	905.835	7.141	906.225	21.42	905.635	2.349 *	905.635	2.256
29	905.685	2.378	905.675	2.983 *	905.835	7.137	906.045	13.24	905.630	2.323	905.625	2.217
30	905.635	2.025	905.630	1.898	905.815	6.581	906.245	20.96 *	905.630	2.318	905.625	2.210
31			905.620	1.828	905.915	9.389			905.655	2.762		
Ten-Daily Mean												
I Ten-Daily	905.630	1.859	905.532	1.094	905.583	1.520	905.751	4.991	905.839	7.874	905.705	3.695
II Ten-Daily	905.827	5.087	905.846	6.245	906.188	25.44	905.707	3.892	905.794	5.722	905.682	3.269
III Ten-Daily	905.574	1.336	905.743	3.765	905.985	11.92	905.905	10.32	905.664	2.929	905.655	2.720
Monthly												
Min.	905.520	0.582	905.485	0.778	905.535	1.044	905.595	2.022	905.630	2.249	905.625	2.210
Max.	906.155	11.17	906.105	14.96	907.155	81.63	906.305	23.51	906.545	36.32	905.770	4.898
Mean	905.677	2.761	905.708	3.703	905.921	12.93	905.788	6.4	905.763	5.425	905.681	3.228

Annual Runoff in MCM = 98 Annual Runoff in mm = 97

Peak Observed Discharge = 81.63 cumecs on 17-08-2018 Corres. Water Level :907.155 m

Lowest Observed Discharge = 0.000 cumecs on 20-03-2019 Corres. Water Level :905.185 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

#:Computed Discharge

*:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Thimmanahalli (CCRI0F7)

Division : Cauvery Division, Bangalore

Local River : Yagachi

Sub-Division : SWRSD-III, Mangalore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	905.605	1.960	905.455	0.744 *	905.420	0.553	905.355	0.275	905.035	0.000	905.215	0.000
2	905.600	1.743 *	905.465	0.800 *	905.420	0.550	905.330	0.213	905.030	0.000	905.185	0.000
3	905.590	1.858	905.470	0.878	905.415	0.537 *	905.365	0.324 *	905.030	0.000	905.160	0.000
4	905.590	1.849	905.490	0.983	905.415	0.546	905.365	0.297	905.025	0.000	905.135	0.000
5	905.585	1.845	905.475	0.886	905.415	0.547	905.380	0.316	905.025	0.000	905.115	0.000
6	905.580	1.745	905.470	0.829 *	905.400	0.468	905.385	0.324	905.015	0.000	905.105	0.000
7	905.570	1.432	905.470	0.875	905.410	0.490	905.365	0.294	905.010	0.000	905.105	0.000
8	905.575	1.445	905.460	0.828	905.430	0.568	905.355	0.264	905.005	0.000	905.105	0.000
9	905.575	1.544 *	905.455	0.813	905.430	0.569	905.345	0.255	905.010	0.000	905.110	0.000
10	905.560	1.200	905.460	0.825	905.445	0.689	905.325	0.190 *	905.015	0.000	905.175	0.000
11	905.565	1.258	905.450	0.803	905.445	0.786	905.335	0.215	905.015	0.000	905.185	0.000
12	905.560	1.170	905.455	0.812	905.440	0.613	905.355	0.276	905.030	0.000	905.175	0.000
13	905.560	1.166	905.460	0.772 *	905.440	0.616	905.345	0.262	905.525	0.525 #	905.165	0.000
14	905.555	1.268	905.455	0.817	905.425	0.553	905.305	0.156	905.505	0.458 *	905.155	0.000
15	905.540	1.288	905.465	0.800 *	905.420	0.550	905.315	0.172	905.455	0.395	905.155	0.000
16	905.510	1.077 *	905.460	0.826	905.400	0.422 *	905.285	0.105	905.335	0.098	905.155	0.000
17	905.475	0.833	905.455	0.815	905.390	0.424	905.235	0.014 *	905.345	0.101 *	905.215	0.000
18	905.450	0.624	905.450	0.803	905.385	0.412	905.195	0.002 #	905.340	0.095 *	905.345	0.000
19	905.430	0.527	905.455	0.816	905.395	0.445	905.215	0.006 #	905.315	0.066 *	905.335	0.000
20	905.420	0.700	905.450	0.716 *	905.400	0.451	905.185	0.000	905.265	0.028	905.305	0.000
21	905.415	0.551	905.445	0.789	905.400	0.452	905.165	0.000	905.215	0.006 *	905.275	0.000
22	905.415	0.550	905.420	0.562	905.385	0.414	905.145	0.000	905.155	0.000	905.265	0.000
23	905.405	0.491 *	905.420	0.562	905.365	0.296	905.125	0.000	905.125	0.000	905.255	0.000
24	905.405	0.453	905.420	0.560	905.370	0.343	905.100	0.000	905.105	0.000	905.235	0.000
25	905.405	0.491 *	905.420	0.563	905.355	0.276	905.085	0.000	905.095	0.000	905.300	0.000
26	905.415	0.552	905.415	0.537 *	905.355	0.275	905.075	0.000	905.075	0.000	905.440	0.000
27	905.455	0.811	905.415	0.537 *	905.395	0.381	905.065	0.000	905.065	0.000	905.525	0.556
28	905.455	0.815	905.415	0.559	905.365	0.297 *	905.055	0.000	905.060	0.000	905.390	0.149
29	905.445	0.786	905.420	0.561			905.045	0.000	905.155	0.000	905.395	0.152
30	905.440	0.663 *	905.420	0.565			905.040	0.000	905.225	0.000	905.395	0.152
31	905.455	0.817	905.420	0.554			905.035	0.000			905.415	0.223
Ten-Daily Mean												
I Ten-Daily	905.583	1.662	905.467	0.846	905.420	0.552	905.357	0.275	905.020	0.000	905.141	0.000
II Ten-Daily	905.507	0.991	905.456	0.798	905.414	0.527	905.277	0.121	905.313	0.177	905.219	0.000
III Ten-Daily	905.428	0.635	905.421	0.577	905.374	0.342	905.085	0.000	905.128	0.001	905.354	0.112
Monthly												
Min.	905.405	0.453	905.415	0.537	905.355	0.275	905.035	0.000	905.005	0.000	905.105	0.000
Max.	905.605	1.960	905.490	0.983	905.445	0.786	905.385	0.324	905.525	0.525	905.525	0.556
Mean	905.503	1.081	905.447	0.735	905.405	0.483	905.235	0.128	905.154	0.059	905.242	0.04

Peak Computed Discharge = 24.87 cumecs on 19-08-2018

Corres. Water Level :906.325 m

Lowest Computed Discharge = 0.006 cumecs on 21-04-2019

Corres. Water Level :905.215 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

Station Name : Thimmanahalli (CCRI0F7)

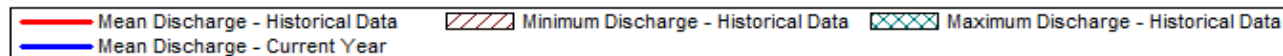
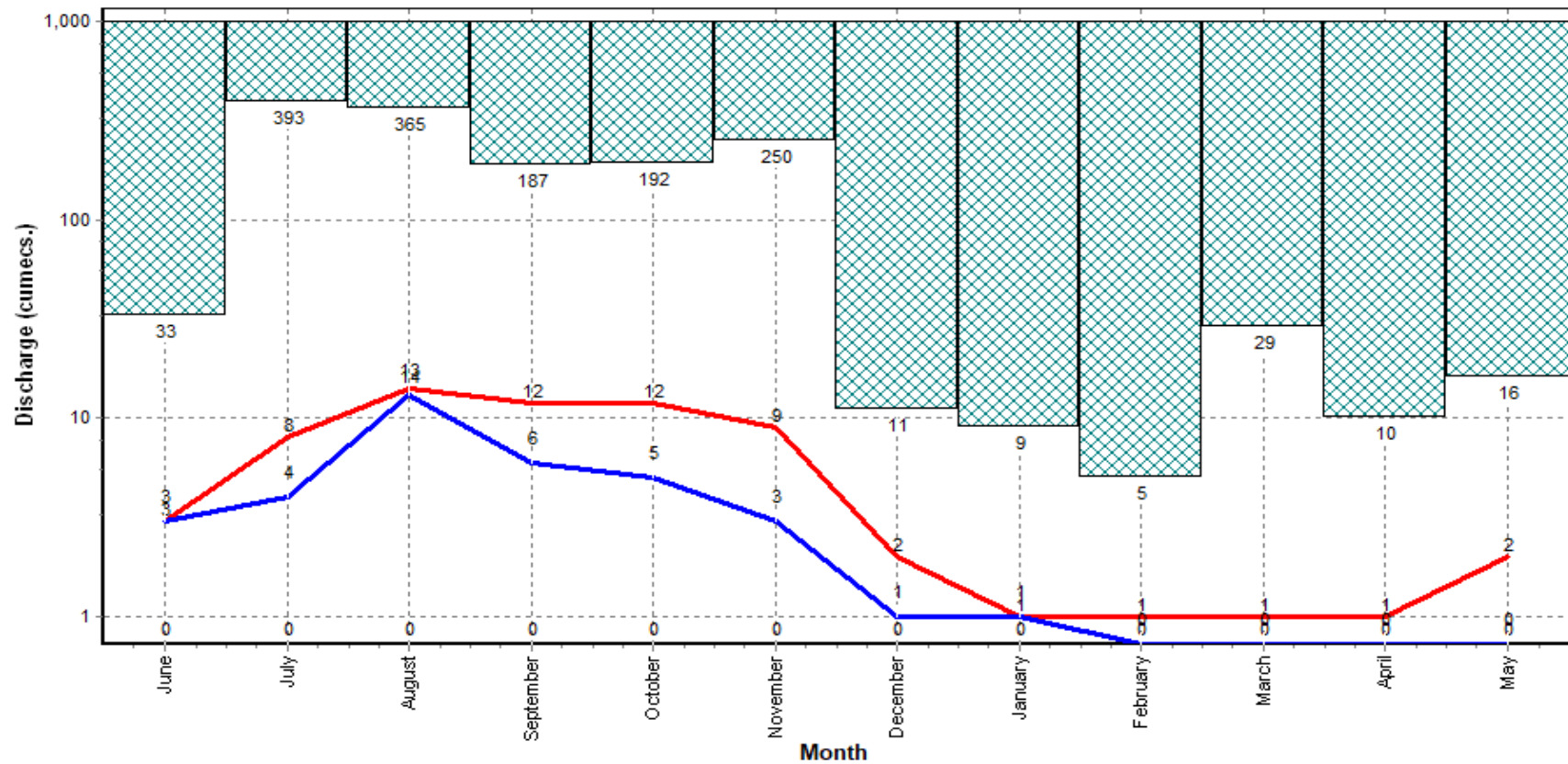
Data considered : 2001-2019

Division : Cauvery Division, Bangalore

Local River : Yagachi

Sub-Division : SWRSD-III, Mangalore

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Annual Runoff Values for the period: 2001 - 2019

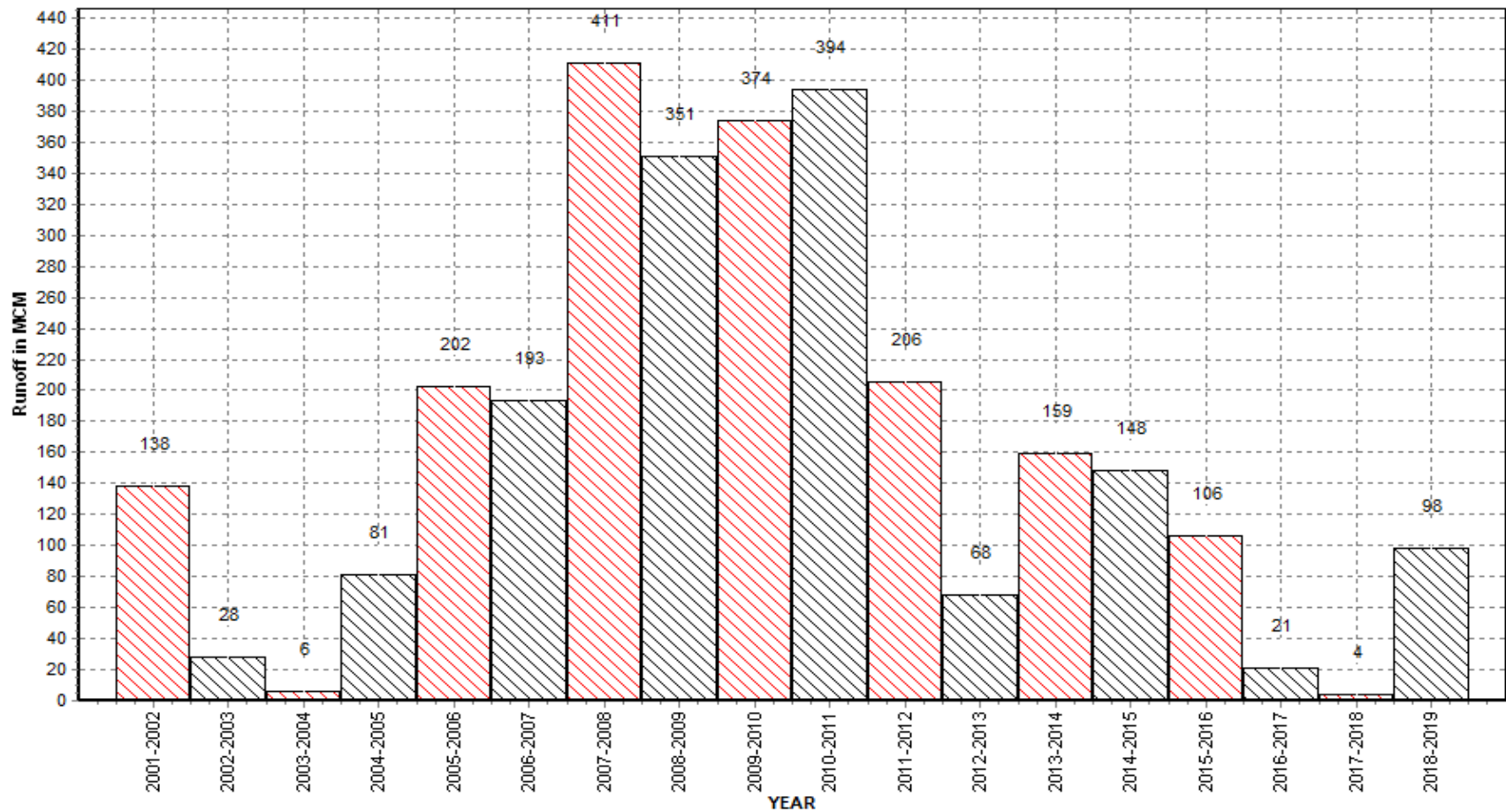
Station Name : Thimmanahalli (CCRI0F7)

Local River : Yagachi

Division : Cauvery Division, Bangalore

Sub-Division : SWRSD-III, Mangalore

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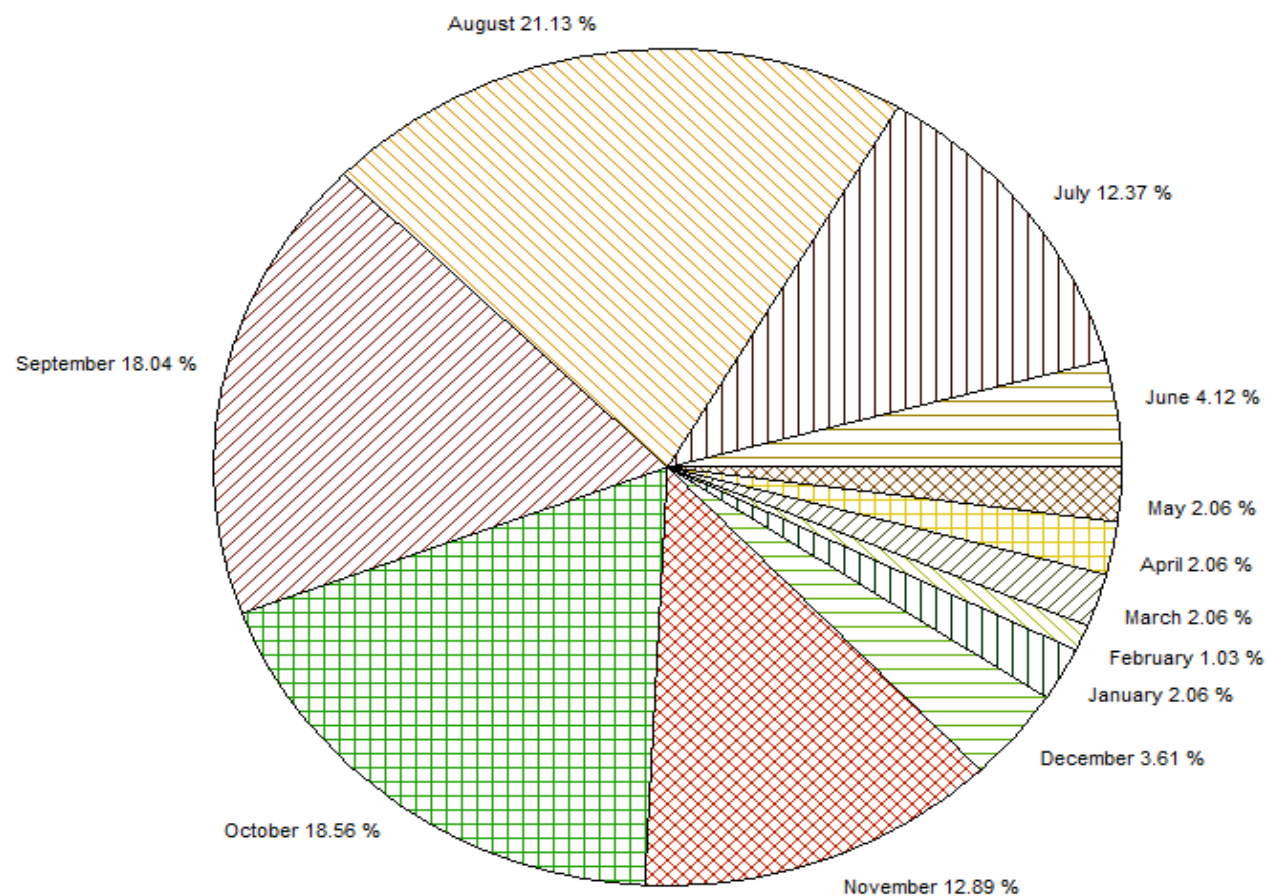


Note: Missing values have not been considered while arriving at Annual Runoff

Station Name : Thimmanahalli (CCRI0F7)
Local River : Yagachi

Monthly Average Runoff based on period : 2001-2018

Division : Cauvery Division, Bangalore
Sub-Division : SWRSD-III, Mangalore

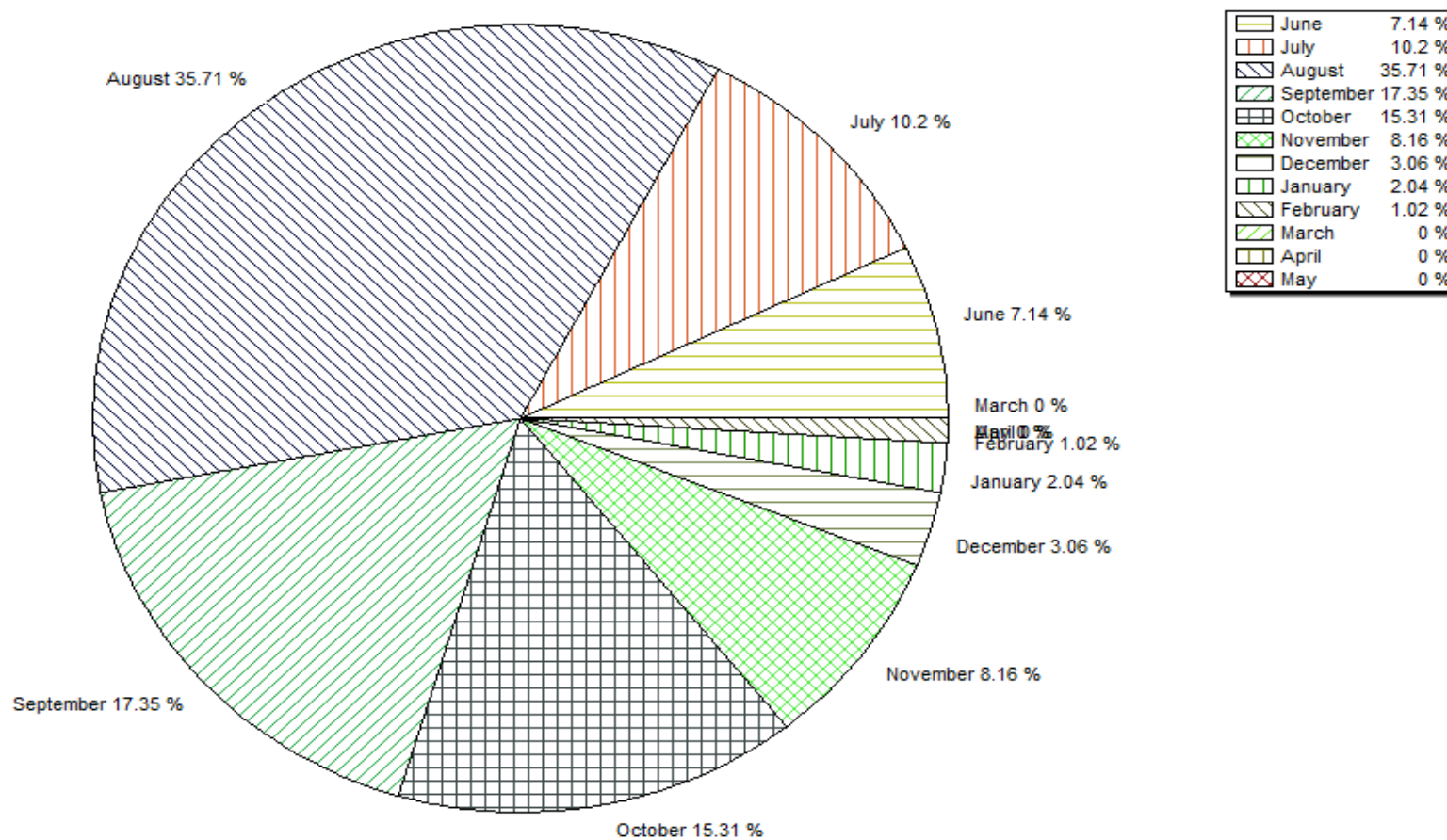


June	4.12 %
July	12.37 %
August	21.13 %
September	18.04 %
October	18.56 %
November	12.89 %
December	3.61 %
January	2.06 %
February	1.03 %
March	2.06 %
April	2.06 %
May	2.06 %

Station Name : Thimmanahalli (CCRI0F7)
Local River : Yagachi

Monthly Runoff for the Year : 2018-2019

Division : Cauvery Division, Bangalore
Sub-Division : SWRSD-III, Mangalore

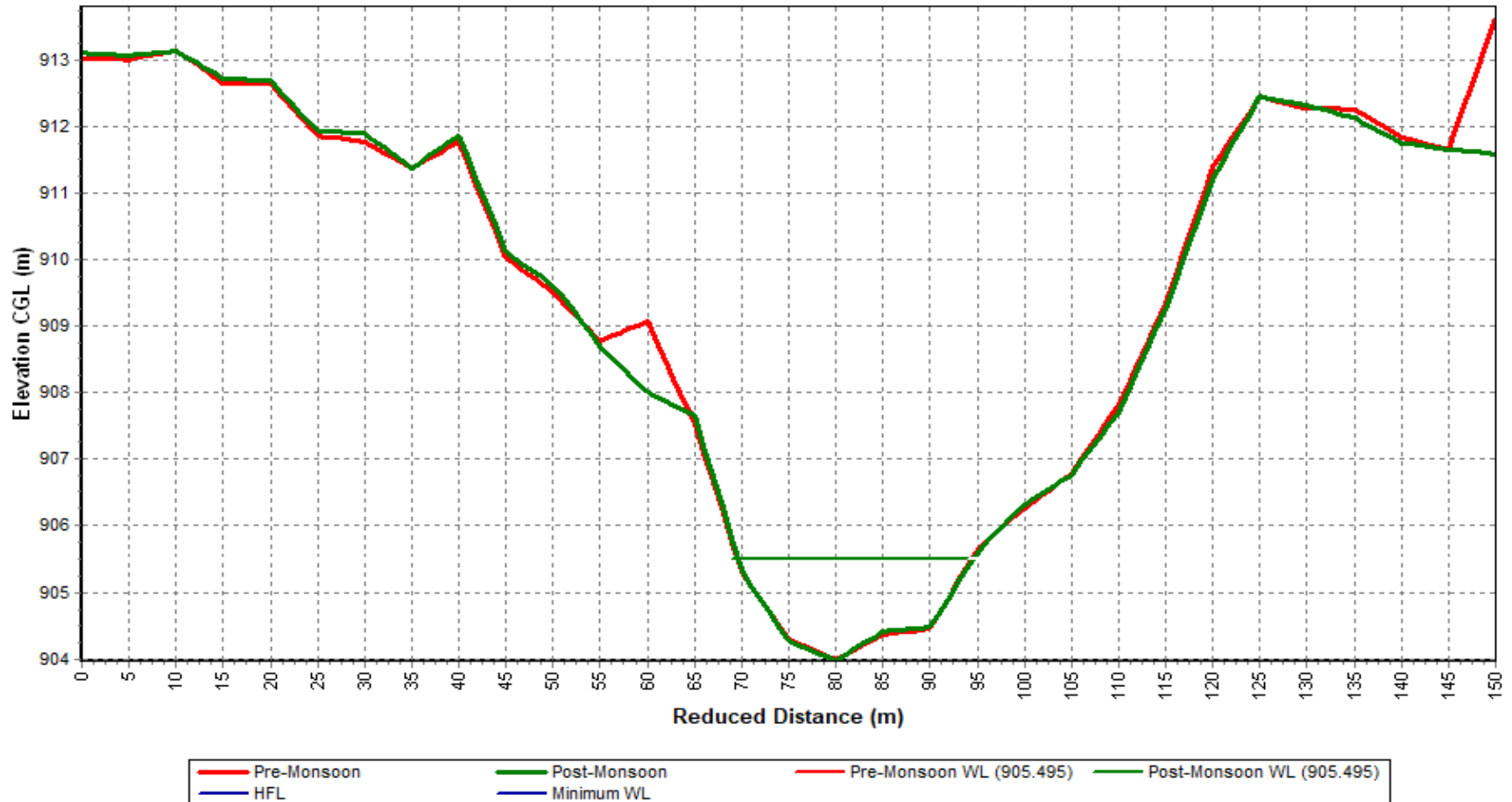


Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : Thimmanahalli (CCRI0F7)
Local River : Yagachi

Division : Cauvery Division, Bangalore
Sub-Division : SWRSD-III, Mangalore

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Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

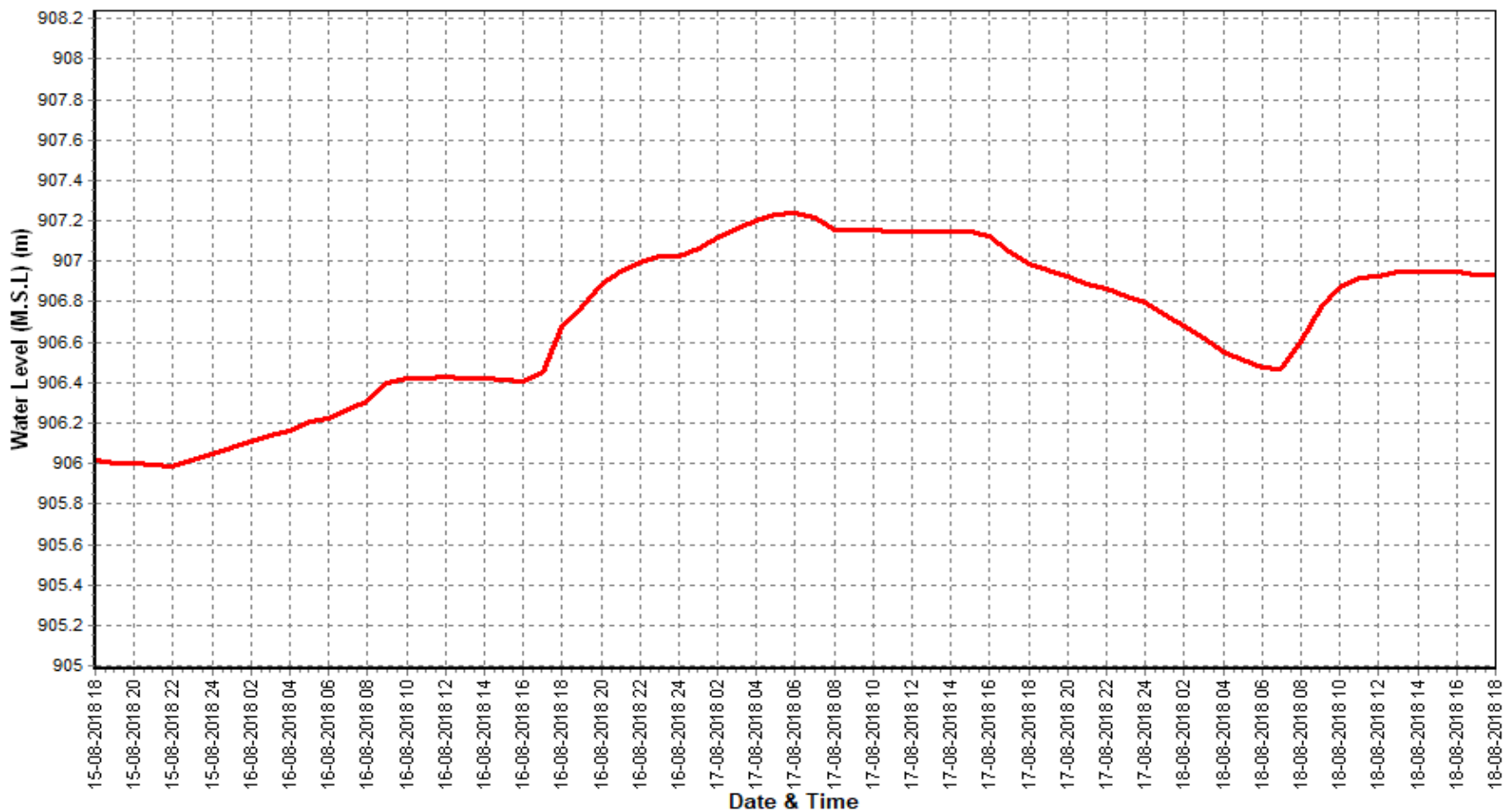
Station Name : Thimmanahalli (CCRI0F7)

Local River : Yagachi

Division : Cauvery Division, Bangalore

Sub-Division : SWRSD-III, Mangalore

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Time Span: 72 Hrs

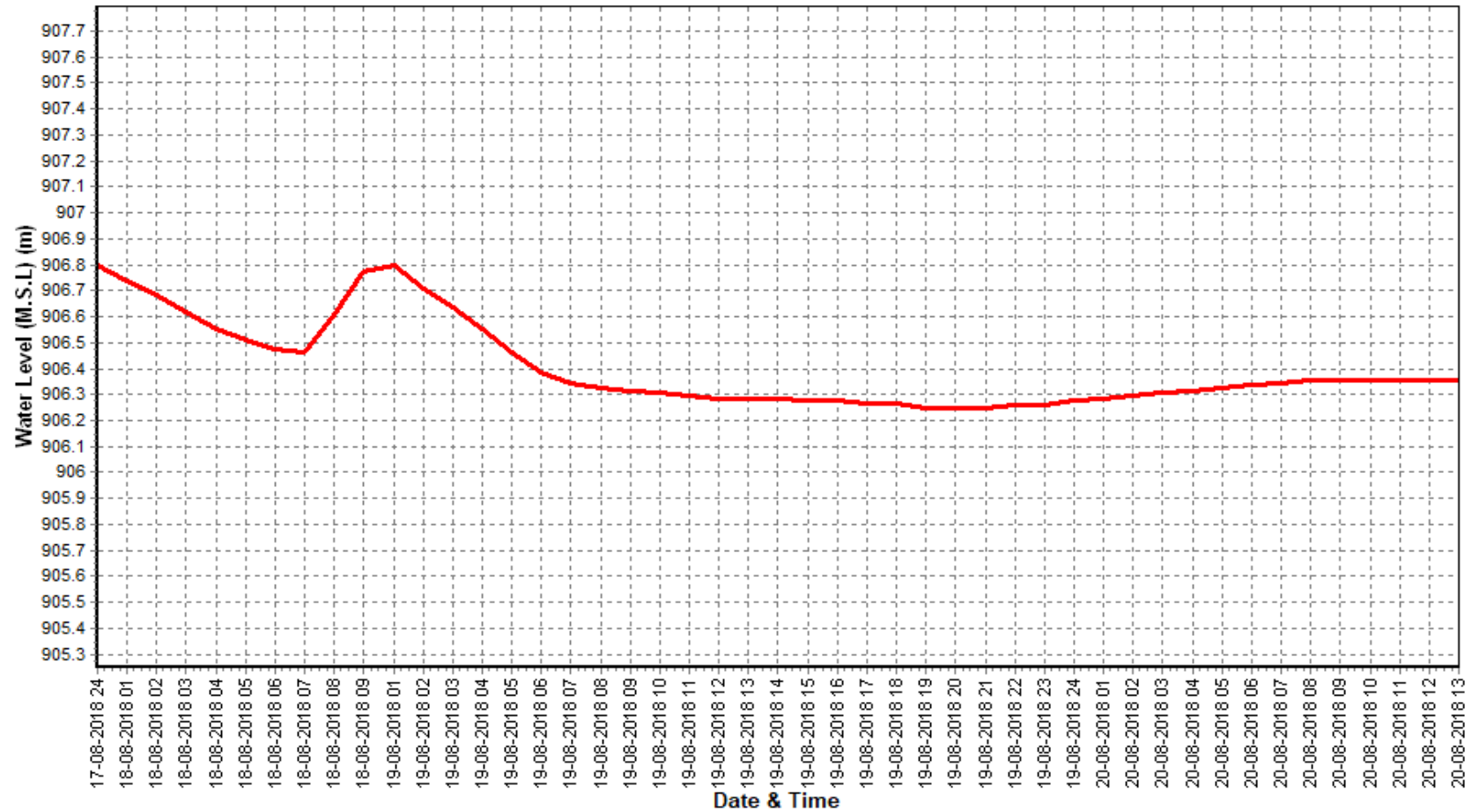
Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : Thimmanahalli (CCRI0F7)

Local River : Yagachi

Division : Cauvery Division, Bangalore

Sub-Division : SWRSD-III, Mangalore



Time Span: 72 Hrs

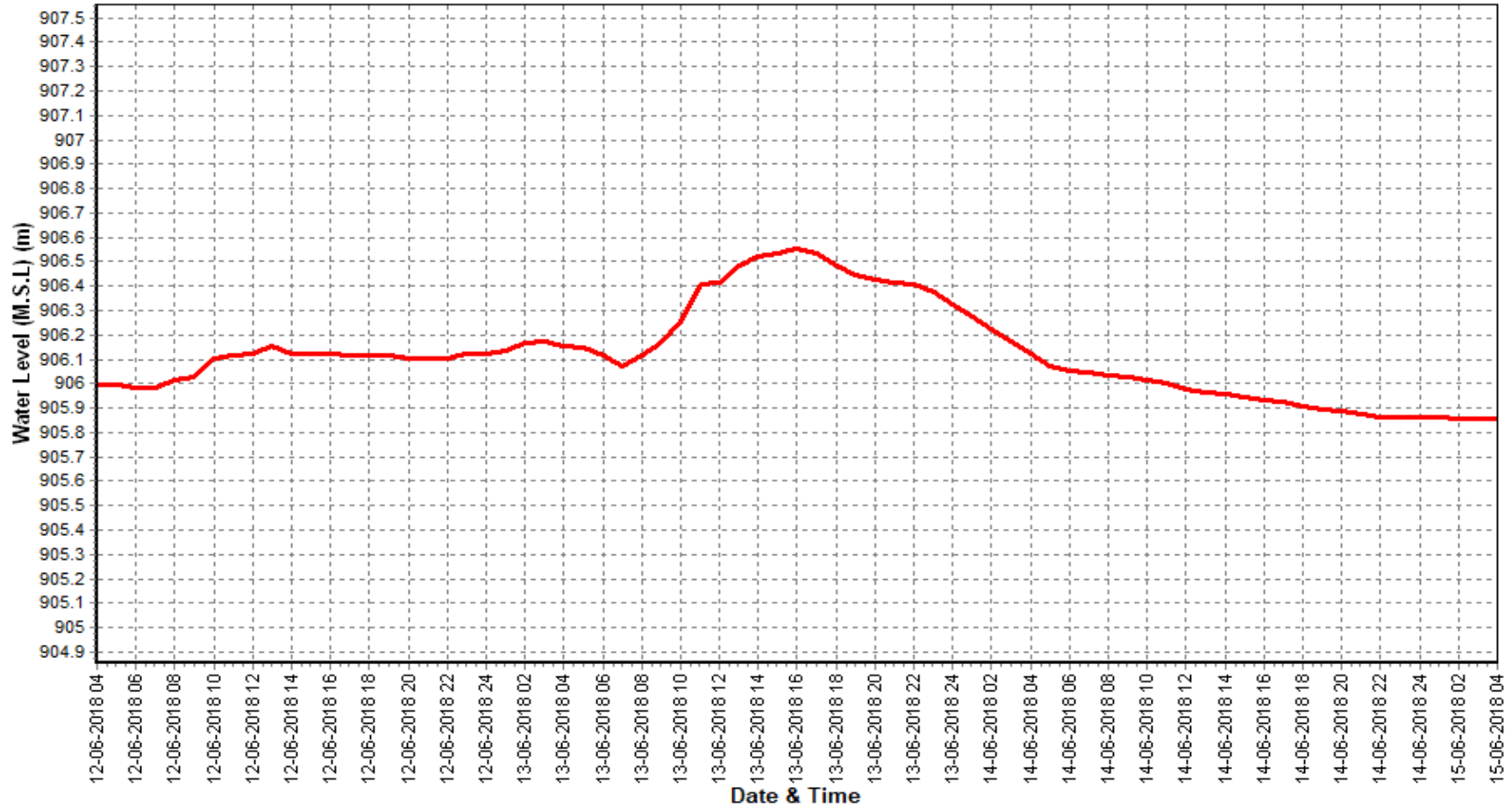
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : Thimmanahalli (CCRI0F7)

Local River : Yagachi

Division : Cauvery Division, Bangalore

Sub-Division : SWRSD-III, Mangalore



Time Span: 72 Hrs

HISTORY SHEET

		Water Year	: 2018-2019
Site	: Belur	Code	: 039-CDBNG
State	: Karnataka	District	Hassan
Basin	: Cauvery	Independent River	: Cauvery
Tributary	: Hemavathi	Sub Tributary	:
Sub-Sub Tributary	:	Local River	: Yagachi
Division	: Cauvery Division, Bangalore	Sub-Division	: Upper Cauvery SD, Bangalore
Drainage Area	: 565.75 Sq. Km.	Bank	: Left
Latitude	: 13°10'08"	Longitude	: 75°52'21"
Zero of Gauge (m)	: 940 (Arb.)	01-11-2018	
	Opening Date	Closing Date	
Gauge	: 10-11-2016		
Discharge	: 01-11-2018		
Sediment	:		
Water Quality	:		

Stage-Discharge Data for the period 2018 - 2019

Station Name : Belur (039-CDBNG)

Division : Cauvery Division, Bangalore

Local River : Yagachi

Sub-Division : Upper Cauvery SD, Bangalore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1											940.530	0.166
2											940.560	0.463
3											940.530	0.204
4											940.550	0.218 *
5											940.600	0.372
6											940.570	0.302
7											940.560	0.233
8											940.560	0.251 *
9											940.550	0.238
10											940.570	0.284
11											940.550	0.218 *
12											940.550	0.256
13											940.550	0.240
14											940.555	0.226
15											940.540	0.186
16											940.550	0.173
17											940.540	0.171
18											940.520	0.131 *
19											940.520	0.132
20											940.510	0.107
21											940.510	0.107 *
22											940.510	0.106
23											940.510	0.107 *
24											940.515	0.130
25											940.530	0.158 *
26											940.520	0.128
27											940.510	0.107 #
28											940.500	0.096
29											940.500	0.072
30											940.510	0.090
31												
Ten-Daily Mean												
I Ten-Daily											940.558	0.273
II Ten-Daily											940.538	0.184
III Ten-Daily											940.512	0.110
Monthly												
Min.											940.500	0.072
Max.											940.600	0.463
Mean											940.536	0.189

Annual Runoff in MCM = 1 Annual Runoff in mm = 2

Peak Observed Discharge = 0.463 cumecs on 02-11-2018 Corres. Water Level :940.56 m

Lowest Observed Discharge = 0.000 cumecs on 05-03-2019 Corres. Water Level :940.46 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Belur (039-CDBNG)

Division : Cauvery Division, Bangalore

Local River : Yagachi

Sub-Division : Upper Cauvery SD, Bangalore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	940.500	0.074	940.520	0.134	940.485	0.050	940.475	0.035	940.440	0.000	940.465	0.000
2	940.500	0.073 *	940.480	0.052	940.500	0.065	940.480	0.046	940.450	0.000	940.425	0.000
3	940.500	0.073 #	940.515	0.110	940.490	0.057 *	940.475	0.037 *	940.470	0.037	940.450	0.000
4	940.550	0.232	940.490	0.061	940.495	0.065	940.490	0.053	940.440	0.000	940.415	0.000
5	940.490	0.056	940.505	0.081 #	940.490	0.052	940.460	0.000	940.470	0.053	940.450	0.000
6	940.505	0.084	940.500	0.073 *	940.510	0.091	940.450	0.000	940.500	0.105	940.455	0.000
7	940.550	0.172	940.530	0.134 #	940.495	0.065	940.455	0.000	940.485	0.058 *	940.465	0.000
8	940.540	0.166	940.520	0.107	940.515	0.074	940.450	0.000	940.480	0.051 #	940.455	0.000
9	940.540	0.159 *	940.525	0.120	940.490	0.053	940.445	0.000	940.470	0.000	940.490	0.073
10	940.550	0.187	940.510	0.084	940.495	0.064 *	940.450	0.000	940.630	0.435	940.450	0.000
11	940.540	0.153	940.520	0.113	940.505	0.090	940.460	0.000	940.610	0.408	940.480	0.060
12	940.540	0.160	940.505	0.089	940.495	0.067	940.480	0.046	940.510	0.109	940.440	0.000
13	940.530	0.142	940.520	0.111 *	940.480	0.045	940.495	0.074 #	940.510	0.128	940.465	0.000
14	940.520	0.123	940.505	0.085	940.490	0.054	940.485	0.043	940.480	0.051 *	940.445	0.000
15	940.470	0.035	940.520	0.111 *	940.480	0.043	940.455	0.000	940.490	0.077	940.480	0.055
16	940.490	0.057 *	940.500	0.086	940.495	0.054	940.545	0.167	940.465	0.000	940.430	0.000
17	940.480	0.040	940.530	0.150	940.485	0.050 *	940.480	0.051 *	940.470	0.000	940.445	0.000
18	940.515	0.076	940.500	0.087	940.475	0.037	940.515	0.111	940.460	0.000	940.465	0.000
19	940.475	0.039	940.525	0.112	940.495	0.053	940.460	0.000	940.465	0.000	940.460	0.000
20	940.505	0.068	940.500	0.073 *	940.495	0.048	940.460	0.000	940.465	0.000	940.440	0.000
21	940.480	0.040	940.520	0.115	940.495	0.064	940.445	0.000	940.470	0.000	940.460	0.000
22	940.495	0.068	940.500	0.072	940.490	0.042	940.445	0.000	940.455	0.000	940.440	0.000
23	940.480	0.043 *	940.520	0.116	940.485	0.038	940.430	0.000	940.475	0.042	940.490	0.062
24	940.530	0.134 #	940.490	0.068	940.470	0.032 *	940.450	0.000	940.440	0.000	940.465	0.000
25	940.490	0.057 *	940.485	0.058	940.470	0.035	940.410	0.000	940.465	0.000	940.540	0.170 #
26	940.510	0.092	940.495	0.064 *	940.465	0.029	940.445	0.000	940.420	0.000	940.480	0.000
27	940.490	0.058	940.500	0.073 *	940.465	0.029	940.435	0.000	940.435	0.000	940.490	0.066 #
28	940.520	0.124	940.490	0.052	940.485	0.050	940.455	0.000	940.440	0.000	940.460	0.000
29	940.490	0.060	940.510	0.091			940.480	0.046	940.470	0.040	940.455	0.000
30	940.510	0.091 *	940.480	0.044			940.485	0.058	940.425	0.000	940.465	0.000
31	940.490	0.056	940.505	0.089			940.420	0.000			940.530	0.145 *
Ten-Daily Mean												
I Ten-Daily	940.522	0.128	940.509	0.096	940.496	0.064	940.463	0.017	940.483	0.074	940.452	0.007
II Ten-Daily	940.506	0.089	940.513	0.102	940.490	0.054	940.484	0.049	940.492	0.077	940.455	0.011
III Ten-Daily	940.499	0.075	940.500	0.077	940.478	0.040	940.445	0.009	940.449	0.008	940.480	0.040
Monthly												
Min.	940.470	0.035	940.480	0.044	940.465	0.029	940.410	0.000	940.420	0.000	940.415	0.000
Max.	940.550	0.232	940.530	0.150	940.515	0.091	940.545	0.167	940.630	0.435	940.540	0.170
Mean	940.509	0.096	940.507	0.091	940.489	0.053	940.463	0.025	940.475	0.053	940.463	0.02

Peak Computed Discharge = 0.251 cumecs on 08-11-2018

Corres. Water Level :940.56 m

Lowest Computed Discharge = 0.032 cumecs on 24-02-2019

Corres. Water Level :940.47 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

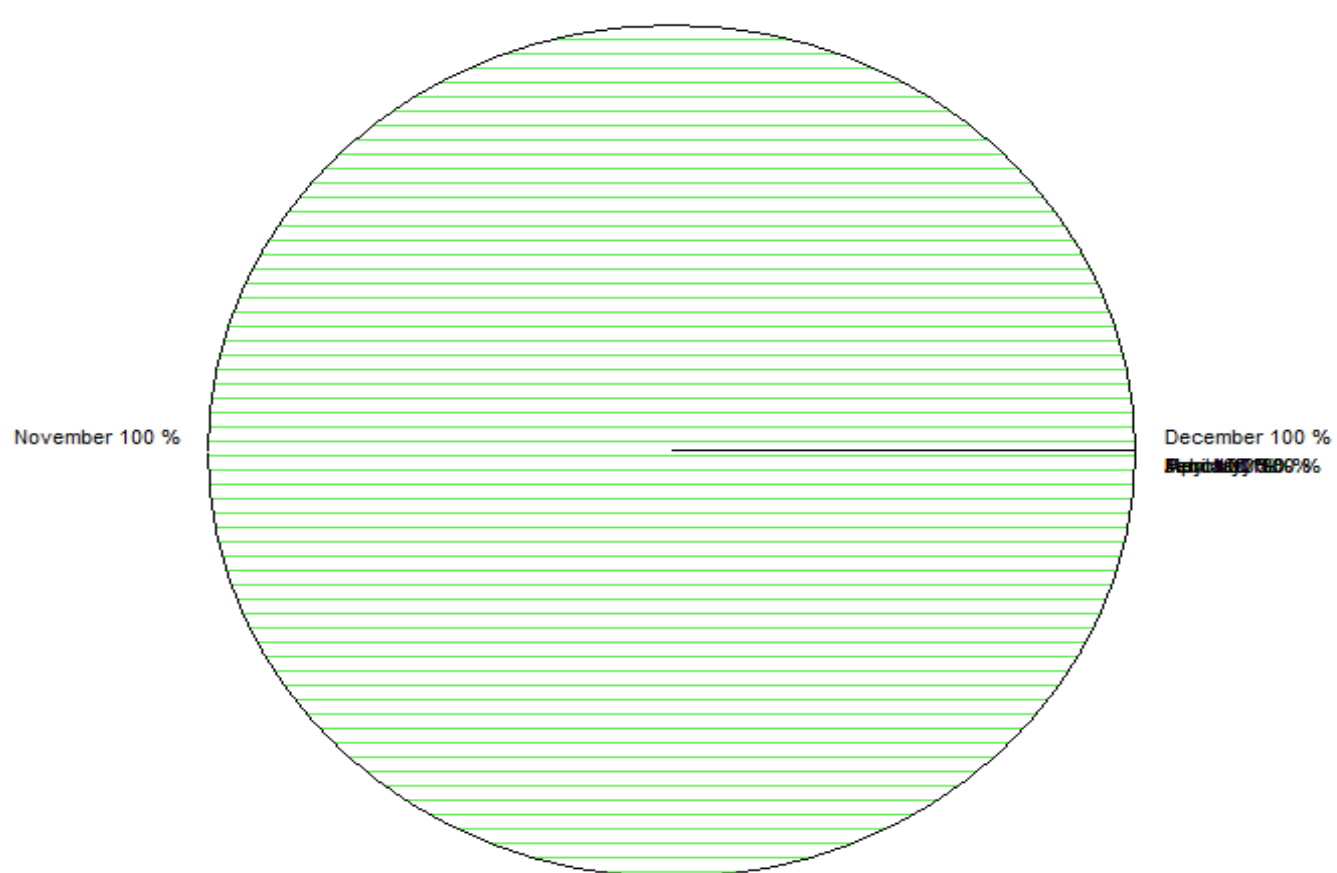
Monthly Runoff for the Year : 2018-2019

Station Name : Belur (039-CDBNG)

Local River : Yagachi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

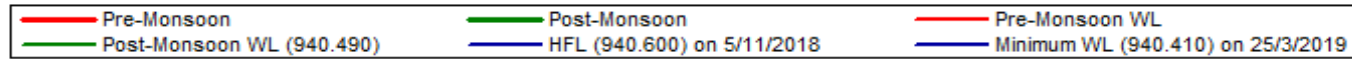
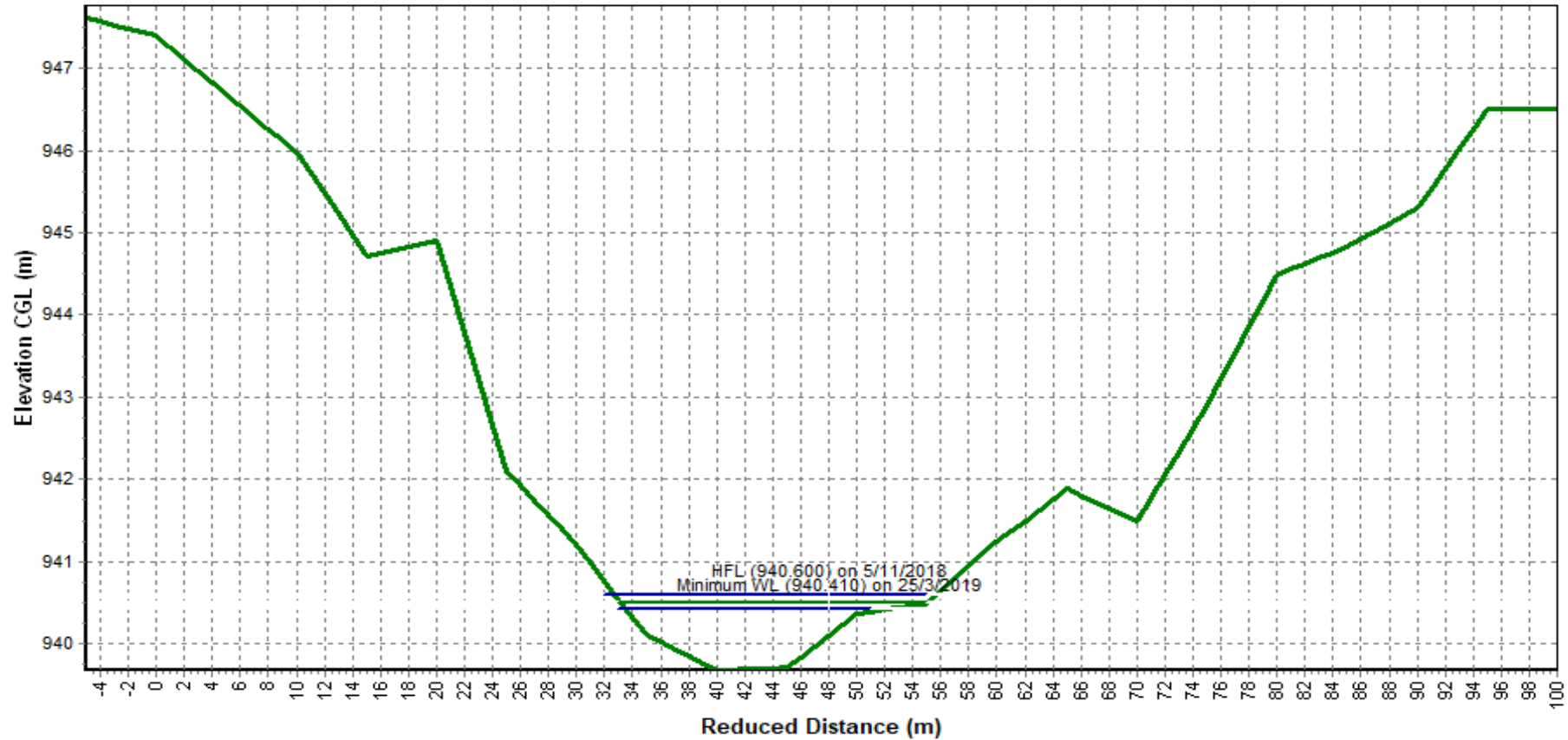
Station Name : Belur (039-CDBNG)

Local River : Yagachi

Division : Cauvery Division, Bangalore

Sub-Division : Inner Cauvery SD Bangalore

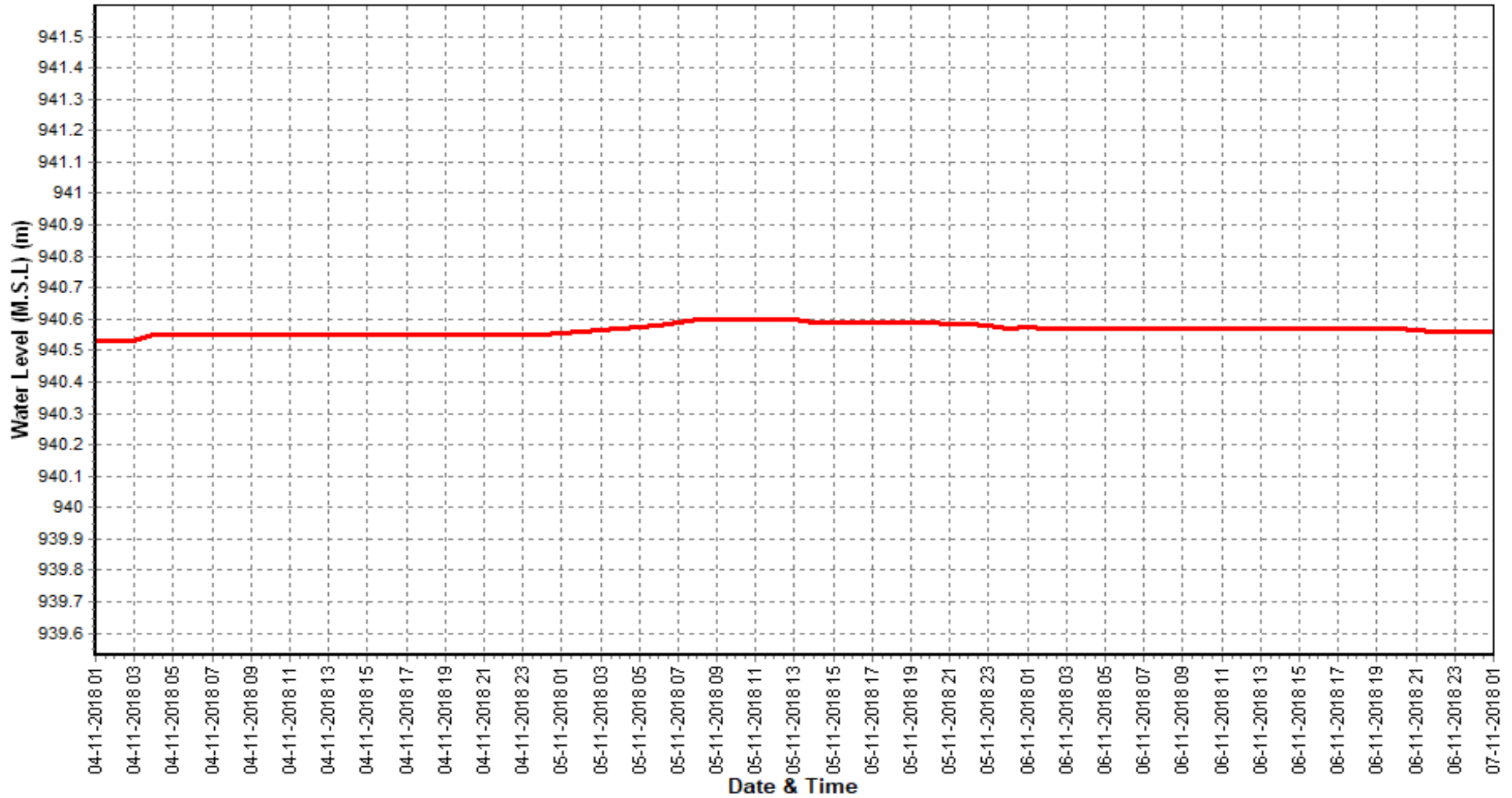
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Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : Belur (039-CDBNG)
Local River : Yagachi

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



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Time Span: 72 Hrs

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

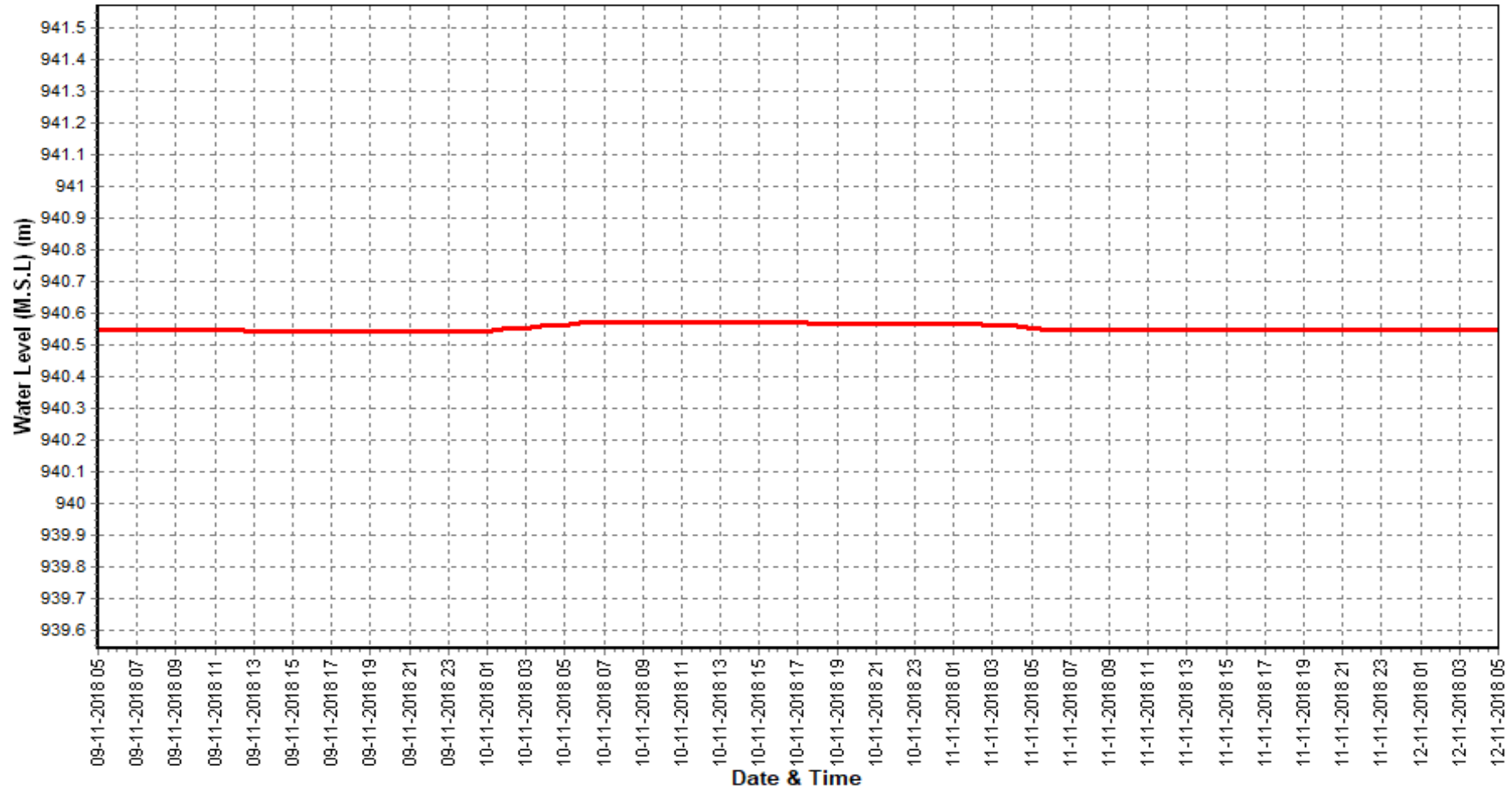
Station Name : Belur (039-CDBNG)

Local River : Yagachi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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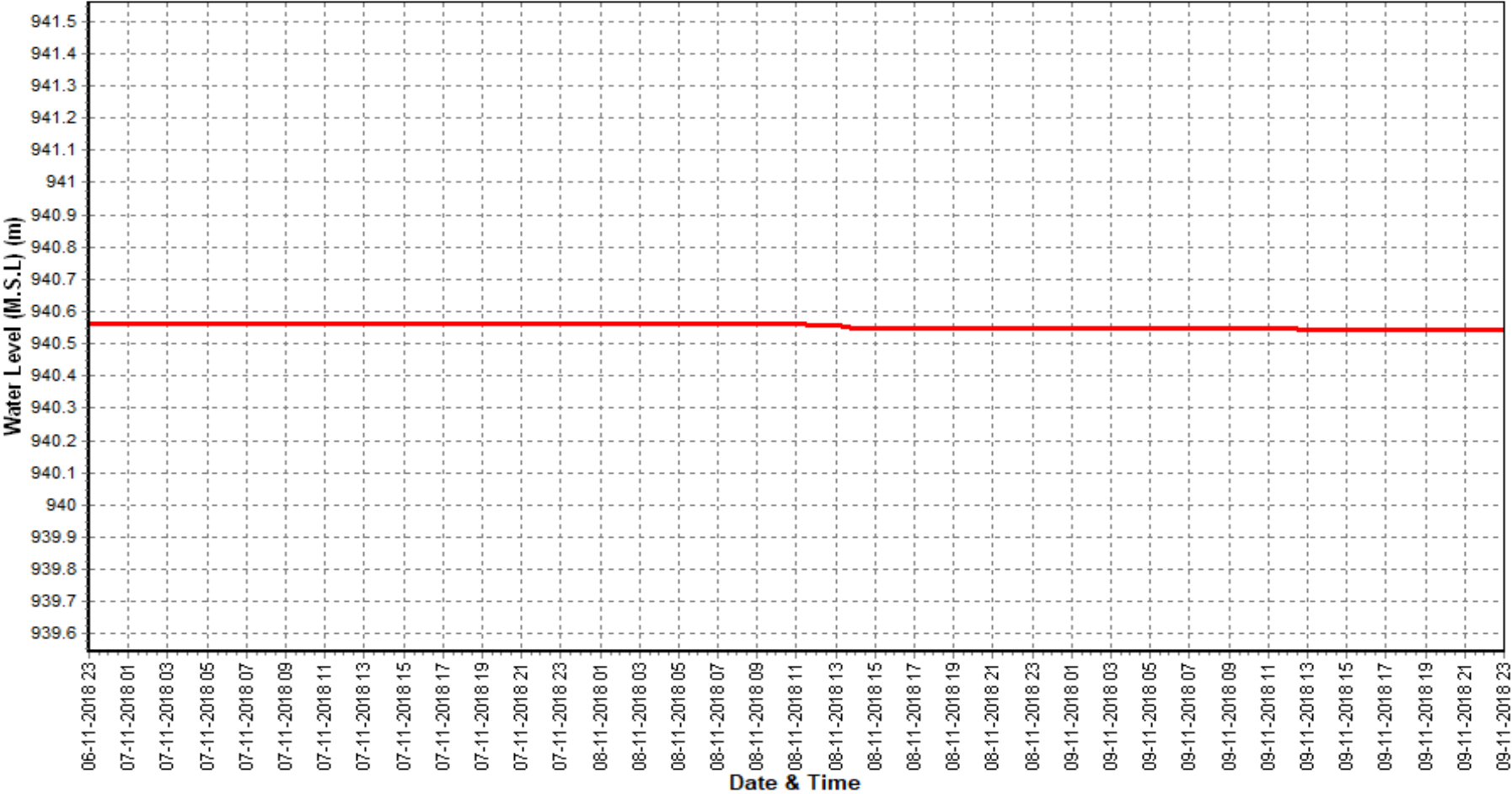
Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : Belur (039-CDBNG)
Local River : Yagachi

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

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Time Span: 72 Hrs

HISTORY SHEET

		Water Year	: 2018-2019
Site	: Jannapura	Code	: 040-CDBNG
State	: Karnataka	District	Hassan
Basin	: Cauvery	Independent River	: Cauvery
Tributary	: Hemavathi	Sub Tributary	:
Sub-Sub Tributary	:	Local River	: Votahole
Division	: Cauvery Division, Bangalore	Sub-Division	: Upper Cauvery SD, Bangalore
Drainage Area	: 146.19 Sq. Km.	Bank	: Right
Latitude	: 13°03'25"	Longitude	: 75°57'42"
Zero of Gauge (m)	: 991.000 (Arb.)	01-11-2018	
	Opening Date	Closing Date	
Gauge	: 01-11-2018		
Discharge	: 01-11-2018		
Sediment	:		
Water Quality	:		

Stage-Discharge Data for the period 2018 - 2019

Station Name : Jannapura (040-CDBNG)

Division : Cauvery Division, Bangalore

Local River : Votehole

Sub-Division : Upper Cauvery SD, Bangalore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1											992.010	1.766
2											992.020	2.003
3											992.020	1.829
4											992.020	1.751 *
5											992.060	1.984
6											992.020	1.789
7											992.010	1.571
8											991.900	0.936 *
9											991.890	0.881 #
10											991.880	1.069
11											991.870	0.776 *
12											991.860	0.709
13											991.900	0.929
14											991.925	0.957
15											991.920	0.921
16											991.920	1.180
17											991.980	1.684
18											992.040	1.914 *
19											992.045	1.952
20											992.000	1.421
21											991.930	1.113 *
22											991.910	0.942
23											991.900	0.936 *
24											991.970	1.220
25											991.960	1.308 *
26											991.890	0.856
27											991.870	0.751
28											991.860	0.731
29											991.870	0.750
30											991.850	0.682
31												
<u>Ten-Daily Mean</u>												
I Ten-Daily											991.983	1.558
II Ten-Daily											991.946	1.244
III Ten-Daily											991.901	0.929
<u>Monthly</u>												
Min.											991.850	0.682
Max.											992.060	2.003
Mean											991.943	1.244

Annual Runoff in MCM = 7 Annual Runoff in mm = 49

Peak Observed Discharge = 2.003 cumecs on 02-11-2018 Corres. Water Level :992.02 m

Lowest Observed Discharge = 0.000 cumecs on 26-03-2019 Corres. Water Level :991.69 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Jannapura (040-CDBNG)

Division : Cauvery Division, Bangalore

Local River : Votehole

Sub-Division : Upper Cauvery SD, Bangalore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	991.850	0.683	991.730	0.302	991.710	0.288	991.690	0.191	991.680	0.000	991.760	0.391
2	991.840	0.612 *	991.730	0.309	991.710	0.290	991.690	0.187	991.680	0.000	991.760	0.392
3	991.840	0.603	991.725	0.282	991.720	0.288 *	991.690	0.216 *	991.690	0.000	991.760	0.393
4	991.840	0.607	991.725	0.276	991.710	0.286	991.700	0.245	991.690	0.000	991.760	0.391
5	991.845	0.646	991.730	0.302	991.710	0.285	991.710	0.237	991.680	0.000	991.760	0.000
6	991.850	0.692	991.730	0.314 *	991.700	0.260	991.710	0.282	991.680	0.000	991.670	0.000
7	991.850	0.688	991.730	0.298	991.700	0.255	991.710	0.254	991.680	0.000	991.660	0.000
8	991.850	0.686	991.685	0.159	991.710	0.279	991.700	0.234	991.680	0.000	991.670	0.000
9	991.850	0.678 *	991.725	0.287	991.720	0.306	991.700	0.235	991.680	0.000	991.660	0.000
10	991.840	0.599	991.720	0.274	991.720	0.288 *	991.700	0.239 *	991.680	0.000	991.670	0.000
11	991.810	0.414	991.720	0.270	991.720	0.286	991.690	0.230	991.840	0.673 #	991.670	0.000
12	991.790	0.355	991.720	0.267	991.710	0.274	991.700	0.238	991.850	0.819	991.670	0.000
13	991.780	0.294	991.720	0.288 *	991.700	0.266	991.710	0.265	991.850	0.800	991.670	0.000
14	991.770	0.244	991.730	0.329	991.710	0.280	991.710	0.254	991.840	0.673 *	991.730	0.314 *
15	991.785	0.305	991.730	0.314 *	991.710	0.285	991.710	0.243	991.770	0.361	991.720	0.304
16	991.730	0.226 *	991.720	0.309	991.710	0.281	991.710	0.242	991.760	0.399 *	991.670	0.000
17	991.750	0.221	991.720	0.306	991.700	0.239 *	991.700	0.239 *	991.740	0.341 *	991.680	0.000
18	991.740	0.268	991.720	0.310	991.720	0.317	991.700	0.239	991.730	0.314 *	991.670	0.000
19	991.740	0.272	991.720	0.307	991.720	0.283	991.700	0.235	991.730	0.314 *	991.680	0.000
20	991.740	0.276	991.720	0.288 *	991.710	0.287	991.700	0.229	991.710	0.230	991.680	0.000
21	991.740	0.282	991.720	0.309	991.710	0.291	991.700	0.208	991.700	0.239 *	991.680	0.000
22	991.740	0.281	991.720	0.303	991.700	0.253	991.710	0.228	991.670	0.000	991.680	0.000
23	991.730	0.226 *	991.720	0.306	991.710	0.287	991.690	0.216 #	991.660	0.000	991.670	0.000
24	991.720	0.207	991.720	0.309	991.710	0.290	991.690	0.216 *	991.660	0.000	991.680	0.000
25	991.710	0.198 *	991.720	0.288 #	991.710	0.263 *	991.690	0.216 #	991.790	0.460	991.750	0.384
26	991.710	0.187	991.720	0.288 *	991.710	0.284	991.690	0.000	991.790	0.456	991.790	0.493 *
27	991.710	0.189	991.720	0.288 *	991.710	0.286	991.690	0.000	991.760	0.312	991.730	0.294
28	991.710	0.191	991.700	0.251	991.710	0.283	991.690	0.000	991.780	0.461 *	991.710	0.263 #
29	991.710	0.188	991.700	0.253			991.680	0.000	991.770	0.399	991.680	0.000
30	991.710	0.185	991.720	0.315			991.690	0.000	991.770	0.415	991.680	0.000
31	991.730	0.309	991.720	0.313			991.670	0.000			991.690	0.000
Ten-Daily Mean												
I Ten-Daily	991.846	0.649	991.723	0.280	991.711	0.283	991.700	0.232	991.682	0.000	991.713	0.157
II Ten-Daily	991.764	0.287	991.722	0.299	991.711	0.280	991.703	0.241	991.782	0.492	991.684	0.062
III Ten-Daily	991.720	0.222	991.716	0.293	991.709	0.279	991.690	0.099	991.735	0.274	991.704	0.130
Monthly												
Min.	991.710	0.185	991.685	0.159	991.700	0.239	991.670	0.000	991.660	0.000	991.660	0.000
Max.	991.850	0.692	991.730	0.329	991.720	0.317	991.710	0.282	991.850	0.819	991.790	0.493
Mean	991.775	0.381	991.720	0.291	991.710	0.281	991.697	0.188	991.733	0.256	991.700	0.117

Peak Computed Discharge = 1.914 cumecs on 18-11-2018

Corres. Water Level :992.04 m

Lowest Computed Discharge = 0.198 cumecs on 25-12-2018

Corres. Water Level :991.71 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

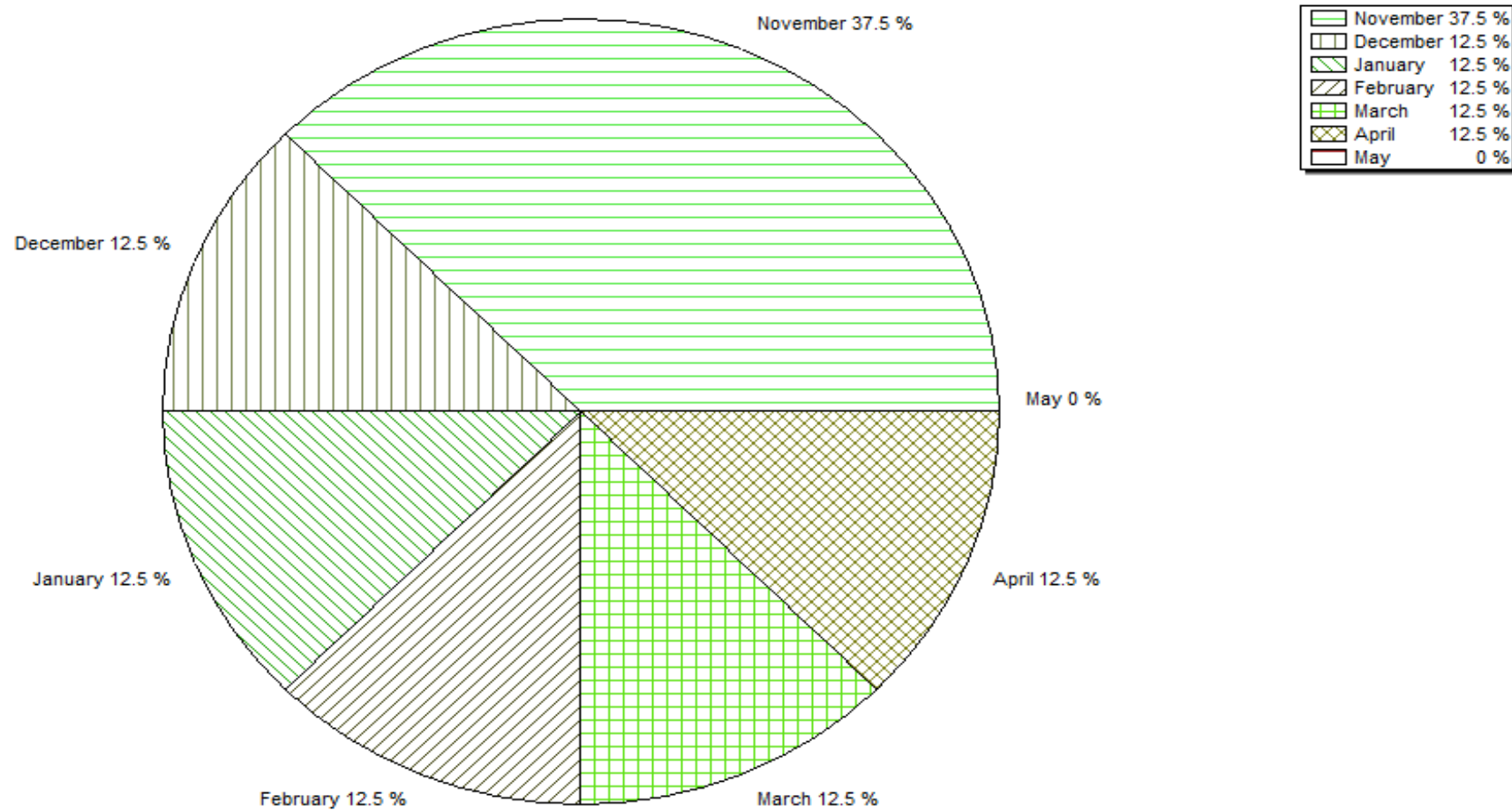
Monthly Runoff for the Year : 2018-2019

Station Name : Jannapura (040-CDBNG)

Local River : Votehole

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



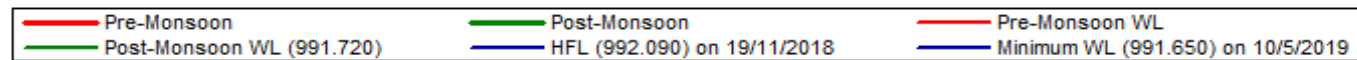
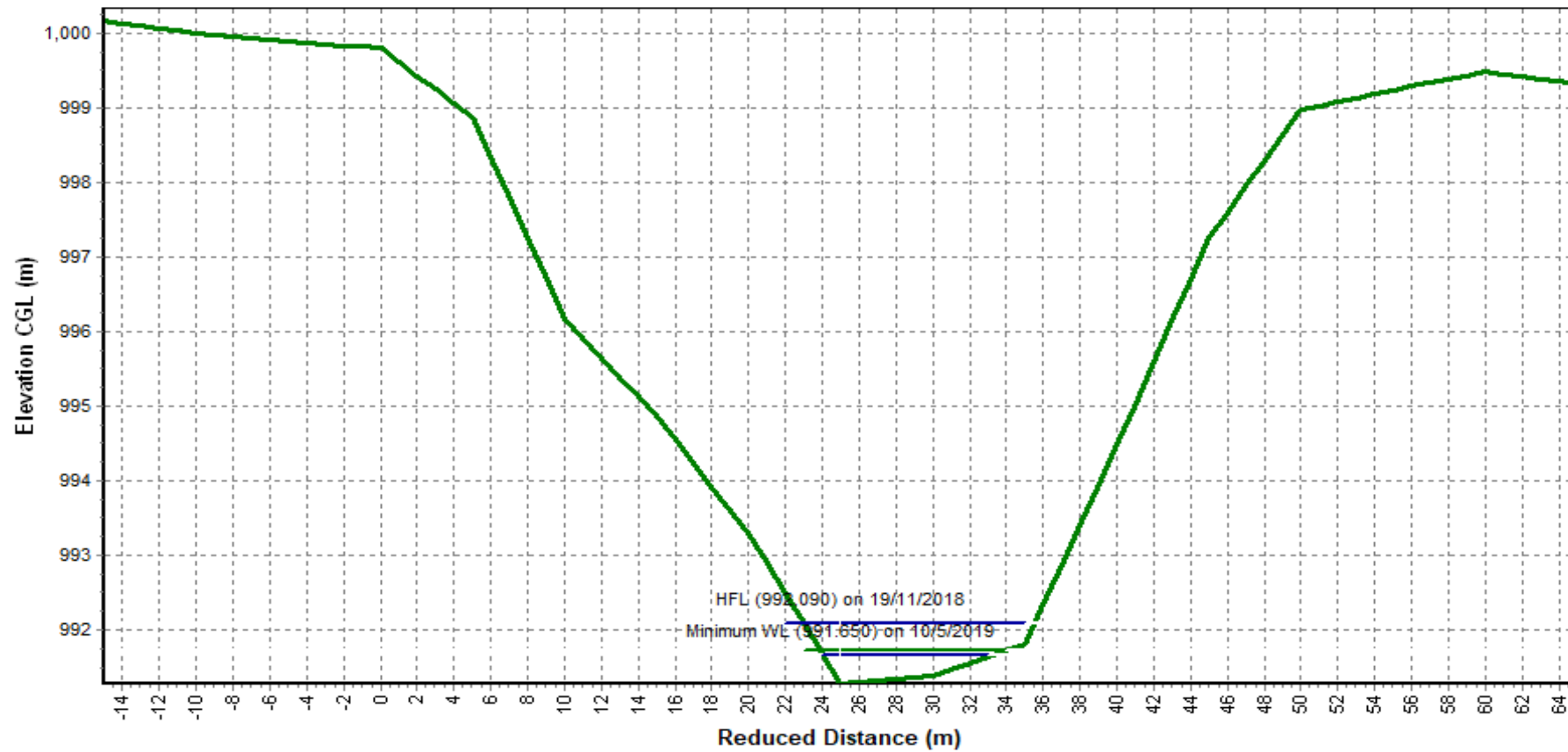
Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : Jannapura (040-CDBNG)

Local River : Votehole

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

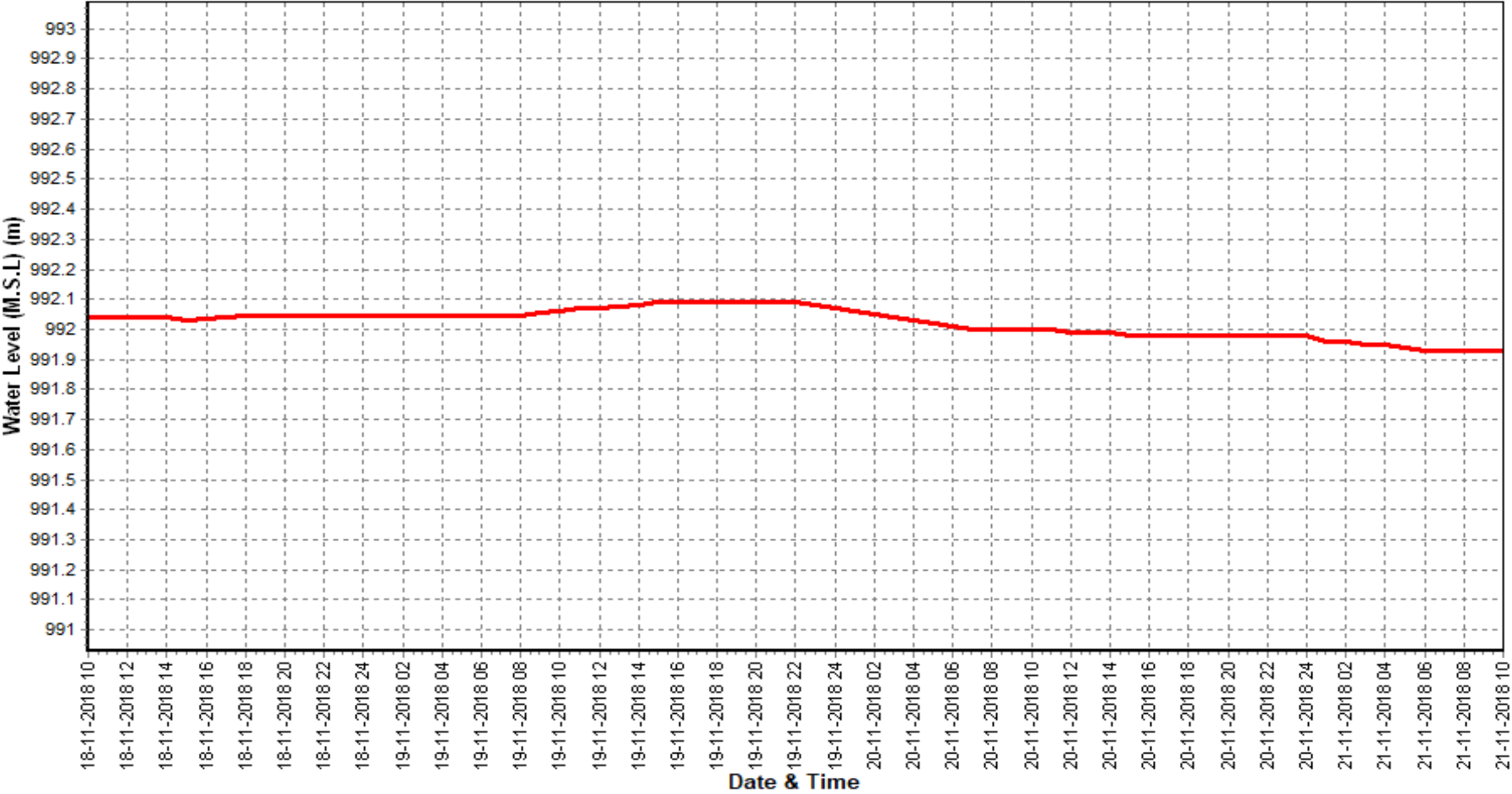


Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : Jannapura (040-CDBNG)
Local River : Votehole

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

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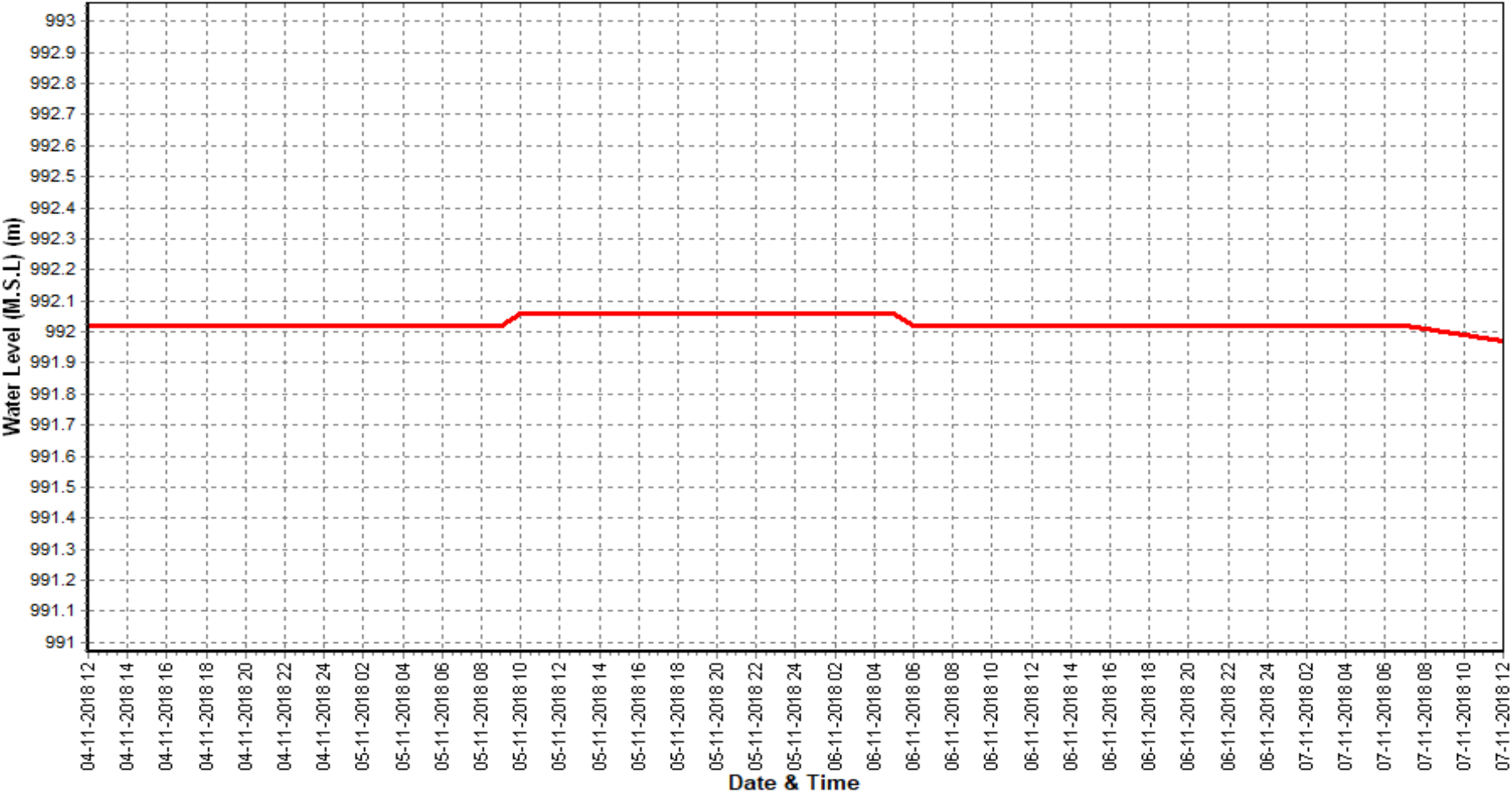


Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : Jannapura (040-CDBNG)
Local River : Votehole

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

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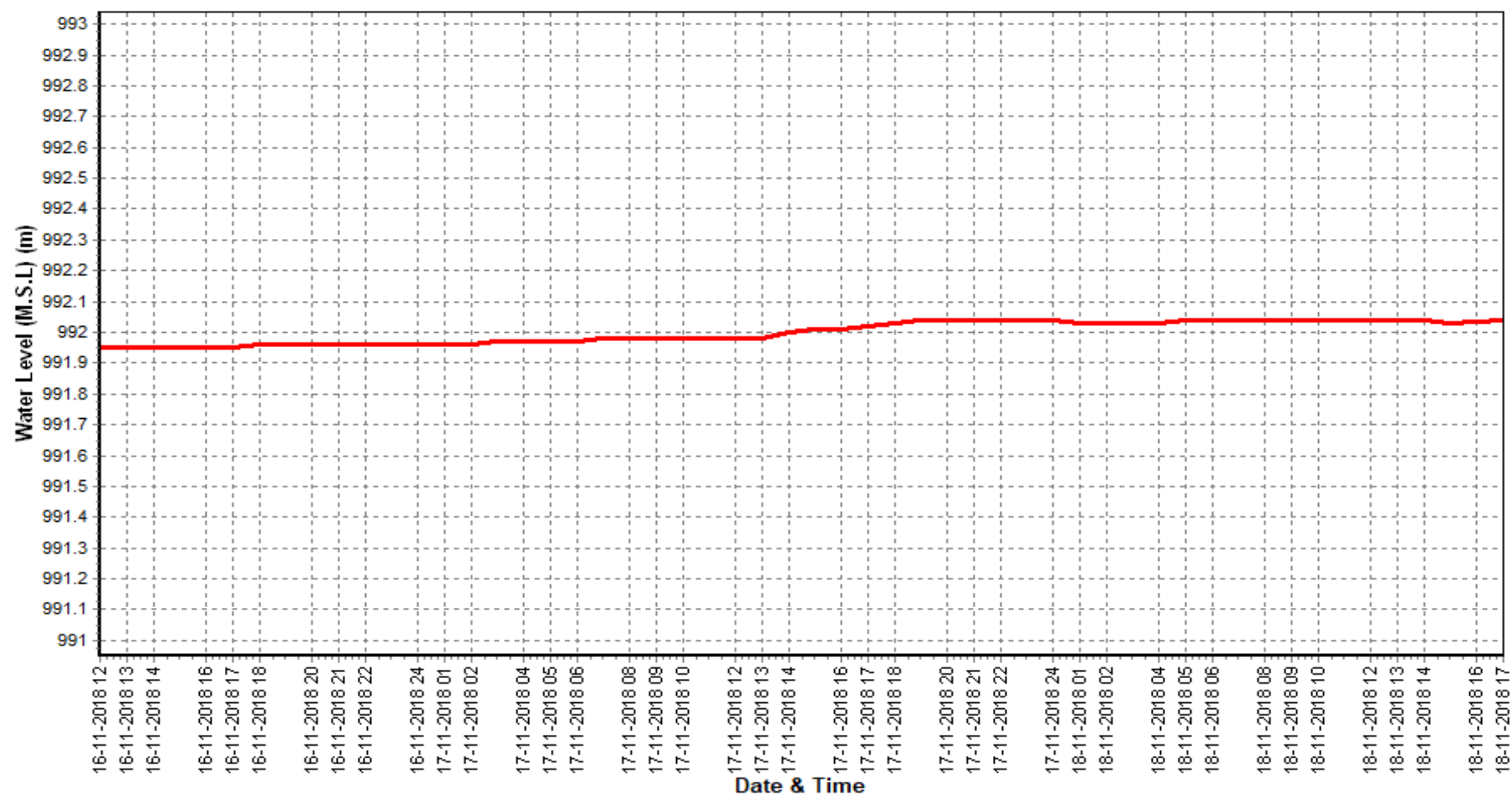
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : Jannapura (040-CDBNG)

Local River : Vothole

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



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Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2018-2019

Site : Sakleshpur

Code : CCR00U6

State : Karnataka

District : Hassan

Basin : Cauvery

Independent River : Cauvery

Tributary : Hemavathi

Sub Tributary : -

Sub-Sub Tributary : -

Local River : Hemavathi

Division : Cauvery Division, Bangalore

Sub-Division : SWRSD-III, Mangalore

Drainage Area : 617 Sq. Km.

Bank : Right

Latitude : 12°56'37"

Longitude : 75°47'37"

Zero of Gauge (m) : 882.000 (m.s.l)
882.470 (m.s.l)02-08-1999 - 31-05-2009
01-06-2009

Opening Date

Closing Date

Gauge : 02-08-1999

Discharge : 05-04-2002

Sediment : 26-03-2013

Water Quality : 02-09-2002

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2002-2003	421.7	891.190	14-08-2002	0.238	887.300	29-05-2003
2003-2004	170.9	889.920	29-07-2003	0.000	Dry Bed	01-05-2004
2004-2005	291.9	891.730	16-06-2004	0.000	887.060	19-03-2005
2005-2006	462.5	892.620	03-08-2005	0.563	887.110	02-05-2006
2006-2007	456.3	892.045	05-07-2006	0.328	886.960	02-04-2007
2007-2008	613.1	892.930	01-07-2007	0.010	888.670	30-11-2007
2008-2009	383.4	892.850	13-08-2008	0.263	889.230	07-08-2008
2009-2010	717.9	892.970	16-07-2009	0.711	887.300	24-02-2010
2010-2011	339.6	891.250	31-08-2010	1.504	887.240	24-03-2011
2011-2012	363.7	891.230	19-07-2011	0.391	887.060	27-03-2012
2012-2013	453.5	891.790	06-08-2012	0.095	886.910	22-04-2013
2013-2014	1913	892.050	04-08-2013	0.457	887.130	06-04-2014
2014-2015	487.7	891.820	31-07-2014	0.974	887.130	31-03-2015
2015-2016	360.2	891.470	22-06-2015	0.103	886.800	14-03-2016
2016-2017	246.1	889.860	29-06-2016	0.085	886.920	15-03-2017
2017-2018	293.9	890.370	20-07-2017	0.000	886.820	11-03-2018

Stage-Discharge Data for the period 2018 - 2019

Station Name : Sakleshpur (CCR00U6)

Division : Cauvery Division, Bangalore

Local River : Hemavathi

Sub-Division : SWRSD-III, Mangalore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	887.230	5.864	888.300	70.90 *	890.300	118.3	890.490	83.47	889.045	48.00	887.530	16.42
2	887.190	4.924	888.160	59.76	890.340	101.5 #	890.530	99.92 *	888.960	37.69 *	887.510	15.76
3	887.210	5.922 *	888.070	53.66	890.320	88.79	890.520	99.60 #	888.865	32.29	887.500	14.78
4	887.160	4.493	888.055	54.26	890.320	89.18	890.490	53.38	888.780	34.01	887.500	14.34 *
5	887.150	4.325	888.060	60.97	890.290	96.61 *	890.460	58.47	888.710	30.37	887.500	14.34 #
6	887.130	3.670	888.060	56.99	890.300	91.04	890.420	57.20	888.650	36.43	887.560	17.83
7	887.130	3.596	888.460	94.65	890.395	112.9	890.380	54.32	888.570	33.41 *	887.520	14.87
8	887.320	8.243	888.710	108.7 *	890.510	113.9	890.350	52.97	888.480	36.73	887.480	13.68 *
9	888.630	96.97	888.560	99.53	890.810	139.1	890.290	49.40 *	888.355	26.87	887.460	12.66
10	888.700	107.7 *	889.255	172.5	890.785	136.3	890.240	45.01	888.300	27.96	887.450	12.55
11	890.430	331.4	889.690	218.5	890.625	111.4	890.190	40.63	888.195	25.50	887.440	12.42 *
12	892.485	749.0	890.290	297.1	890.650	134.8 *	890.150	44.44	888.095	26.43	887.430	11.32
13	891.160	477.1	890.550	284.4	891.470	265.2	890.090	44.99 *	887.990	26.40	887.430	11.35
14	889.785	235.7	890.880	317.3	892.360	465.6	890.040	43.91 #	887.910	26.84 *	887.430	11.24
15	888.870	111.3	891.880	588.1 *	891.630	278.1 *	889.980	42.63 #	887.965	32.50	887.410	10.41
16	888.400	79.52 *	890.910	263.4	890.780	218.2	889.900	40.95 *	887.940	33.08	887.400	10.91
17	888.250	66.74 *	890.920	279.8	891.420	324.4	889.810	35.33	888.110	28.75 #	887.400	10.57
18	888.250	65.22	890.800	246.8	890.770	209.1	889.730	37.30	887.980	27.50 *	887.390	10.94 *
19	888.590	97.37	890.320	205.4	890.780	220.2 *	889.650	37.60	888.000	27.69 *	887.485	15.38
20	888.450	88.24	890.310	192.5	890.440	182.8	889.560	32.94	887.990	27.60 #	887.490	15.74
21	888.490	93.25	890.515	209.6	890.520	114.9	889.470	32.38 *	887.830	27.44 *	887.440	12.42 *
22	888.305	76.00	890.800	259.7 *	890.560	100.9 *	889.370	31.63	887.740	23.35	887.410	11.59
23	888.130	55.96	890.420	211.9	890.475	92.34	889.270	28.68 *	887.690	19.67	887.390	10.94 *
24	888.140	57.95 *	890.420	196.7	890.375	83.79	889.170	28.30	887.660	20.00	887.390	11.26
25	888.220	70.61	890.440	202.7	890.295	103.7	889.090	34.74	887.630	18.33	887.390	10.94 *
26	888.540	93.95	890.180	146.9	890.240	90.65 *	889.180	40.24 *	887.610	20.55	887.390	11.17
27	888.455	89.25	890.025	122.2	890.250	87.32	889.290	41.55 #	887.590	18.13	887.380	10.68
28	889.510	200.4	890.120	81.09 #	890.320	92.19	889.150	39.88 #	887.570	16.75 *	887.360	10.77
29	889.050	144.8 *	890.170	85.49 *	890.445	109.8	889.120	47.01	887.550	14.79	887.360	10.73
30	888.480	92.59	890.170	101.4	890.480	110.4	889.100	39.30 *	887.530	16.96	887.350	9.933
31			890.210	103.4	890.510	90.38			887.530	11.81		
Ten-Daily Mean												
I Ten-Daily	887.485	24.57	888.369	83.19	890.437	108.8	890.417	65.37	888.672	34.38	887.501	14.72
II Ten-Daily	889.467	230.1	890.655	289.3	891.092	241.0	889.910	40.07	888.017	28.23	887.430	12.03
III Ten-Daily	888.532	97.48	890.315	156.5	890.406	97.86	889.221	36.37	887.630	18.89	887.386	11.04
Monthly												
Min.	887.130	3.596	888.055	53.66	890.240	83.79	889.090	28.30	887.530	11.81	887.350	9.933
Max.	892.485	749.0	891.880	588.1	892.360	465.6	890.530	99.92	889.045	48.00	887.560	17.83
Mean	888.495	117.4	889.797	175.7	890.638	147.5	889.849	47.27	888.091	26.9	887.439	12.6

Annual Runoff in MCM = 1441 Annual Runoff in mm = 2335

Peak Observed Discharge = 749.0 cumecs on 12-06-2018 Corres. Water Level :892.485 m

Lowest Observed Discharge = 0.000 cumecs on 26-03-2019 Corres. Water Level :886.79 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Sakleshpur (CCR00U6)

Division : Cauvery Division, Bangalore

Local River : Hemavathi

Sub-Division : SWRSD-III, Mangalore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	887.350	9.912	887.200	6.060 *	887.060	3.392	886.880	0.813	886.785	0.000	886.820	0.510
2	887.340	9.994 *	887.200	6.060 *	887.060	3.373	886.880	0.808	886.785	0.000	886.830	0.432
3	887.330	9.956	887.190	6.213	887.055	3.039 *	886.880	0.790 *	886.810	0.000	886.830	0.421
4	887.330	9.819	887.180	5.920	887.040	2.845	886.870	0.694	886.800	0.000	886.830	0.412
5	887.330	9.655	887.180	6.000	887.040	2.822	886.870	0.686	886.800	0.000	886.825	0.370 *
6	887.330	9.904	887.170	5.347 *	887.040	2.778	886.860	0.795	886.795	0.000	886.820	0.324
7	887.350	11.40	887.160	5.118	887.030	2.669	886.860	0.736	886.795	0.000	886.810	0.311
8	887.340	10.97	887.160	5.073	887.030	2.632	886.850	0.699	886.785	0.000	886.800	0.287
9	887.340	9.994 *	887.160	4.947	887.030	2.609	886.850	0.598	886.830	0.000	886.850	0.547
10	887.320	9.214	887.150	4.930	887.030	2.626 *	886.840	0.485 *	886.940	0.782	886.850	0.552
11	887.320	9.337	887.150	4.933	887.020	2.748	886.840	0.474	886.960	0.975	886.840	0.501
12	887.310	8.190	887.150	4.840	887.010	2.686	886.840	0.460	886.900	1.092	886.840	0.426 *
13	887.310	8.392	887.150	4.898 *	887.010	2.295	886.830	0.395	886.880	1.239	886.830	0.452
14	887.300	8.521	887.140	4.744	887.000	2.057	886.820	0.364	886.880	1.070 *	886.830	0.445
15	887.290	8.154	887.140	4.681 *	886.980	1.908	886.820	0.340	886.870	1.079	886.830	0.372
16	887.290	8.472 *	887.130	4.564	886.980	1.892	886.820	0.316	886.880	1.066	886.850	0.408
17	887.280	7.913	887.120	4.443	886.980	1.891 *	886.815	0.333 *	886.875	1.023 *	886.840	0.376
18	887.270	8.423	887.120	4.381	886.970	1.883	886.820	0.247	886.860	0.886 *	886.840	0.426 *
19	887.265	6.977	887.120	4.334	886.960	1.541	886.810	0.181 #	886.850	0.800 *	886.840	0.426 *
20	887.255	7.553	887.110	4.060 *	886.950	1.485	886.810	0.220	886.850	0.746	886.840	0.426 #
21	887.255	7.231	887.100	3.651	886.940	1.150	886.810	0.204	886.840	0.717 *	886.860	0.399
22	887.255	6.896	887.090	3.547	886.940	1.392 *	886.810	0.169	886.830	0.710	886.880	0.461
23	887.255	7.485 *	887.090	3.528	886.920	0.947	886.800	0.132	886.830	0.691	886.880	0.479
24	887.255	6.881	887.090	3.519	886.910	0.819	886.800	0.148 *	886.830	0.611	886.890	0.513
25	887.255	7.485 *	887.090	3.452	886.905	1.020 *	886.790	0.099	886.830	0.596	886.910	0.764
26	887.255	6.882	887.085	3.578 *	886.900	0.972 *	886.790	0.000	886.820	0.522	886.950	0.937 *
27	887.240	7.470	887.080	3.485 *	886.900	0.972 *	886.790	0.000	886.810	0.462	886.970	1.310
28	887.240	7.310	887.080	3.639	886.890	0.879 *	886.790	0.000	886.810	0.491 *	886.990	1.326
29	887.230	7.282	887.080	3.603			886.790	0.000	886.810	0.560	886.990	1.223
30	887.220	6.559 *	887.070	3.403			886.790	0.000	886.820	0.565	886.950	0.875
31	887.210	6.213	887.070	3.384			886.790	0.000			886.910	0.655
Ten-Daily Mean												
I Ten-Daily	887.336	10.08	887.175	5.567	887.042	2.879	886.864	0.710	886.813	0.078	886.826	0.417
II Ten-Daily	887.289	8.193	887.133	4.588	886.986	2.039	886.822	0.333	886.880	0.998	886.838	0.426
III Ten-Daily	887.243	7.063	887.084	3.526	886.913	1.019	886.795	0.068	886.823	0.593	886.926	0.813
Monthly												
Min.	887.210	6.213	887.070	3.384	886.890	0.819	886.790	0.000	886.785	0.000	886.800	0.287
Max.	887.350	11.40	887.200	6.213	887.060	3.392	886.880	0.813	886.960	1.239	886.990	1.326
Mean	887.288	8.402	887.129	4.527	886.985	2.047	886.826	0.361	886.839	0.556	886.865	0.56

Peak Computed Discharge = 588.1 cumecs on 15-07-2018

Corres. Water Level :891.88 m

Lowest Computed Discharge = 0.148 cumecs on 24-03-2019

Corres. Water Level :886.8 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

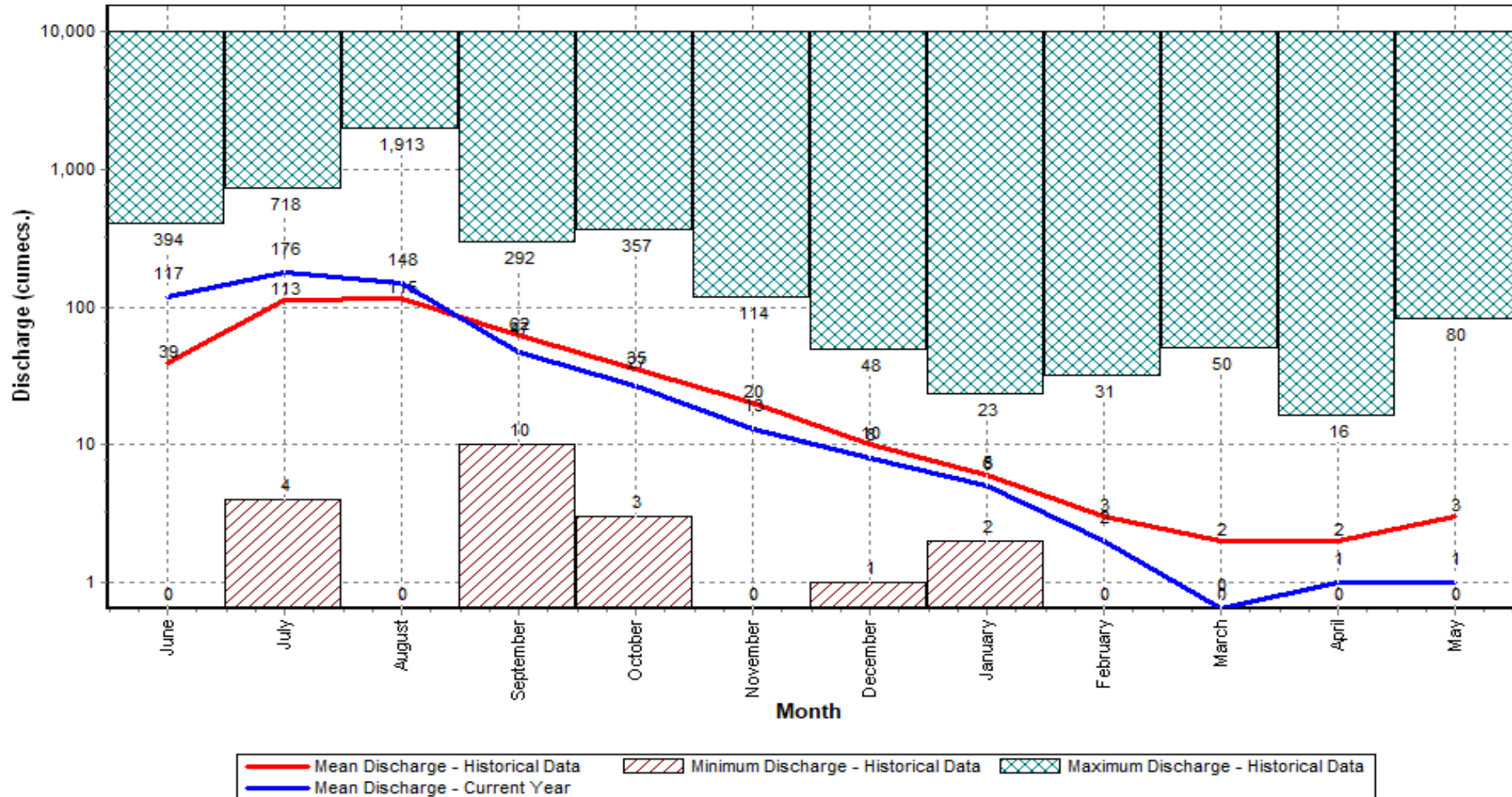
Station Name : Sakleshpur (CCR00U6)

Data considered : 2002-2019

Division : Cauvery Division, Bangalore

Local River : Hemavathi

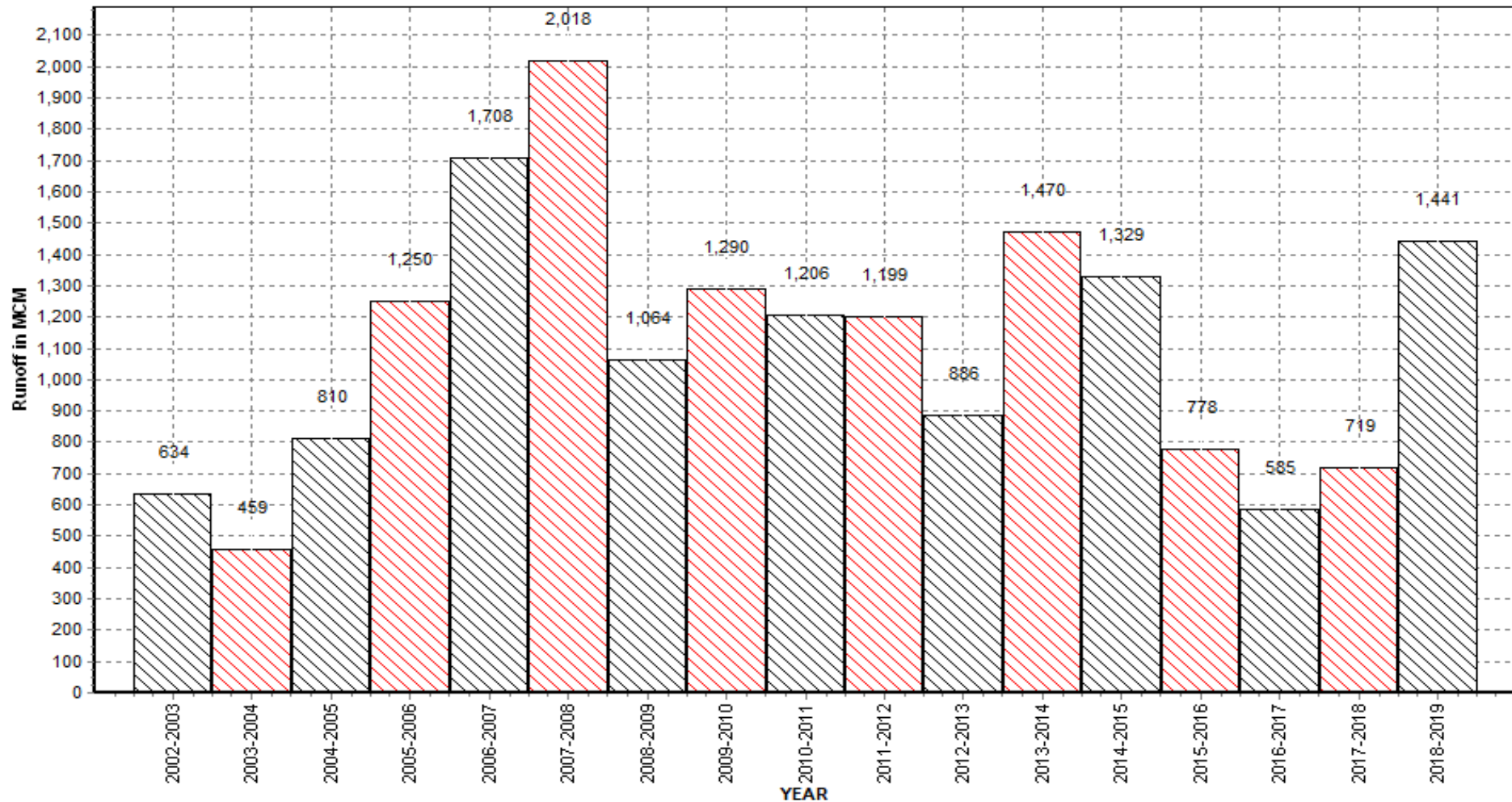
Sub-Division : SWRSD-III, Mangalore



Annual Runoff Values for the period: 2002 - 2019

Station Name : Sakleshpur (CCR00U6)
Local River : Hemavathi

Division : Cauvery Division, Bangalore
Sub-Division : SWRSD-III, Mangalore



Note: Missing values have not been considered while arriving at Annual Runoff

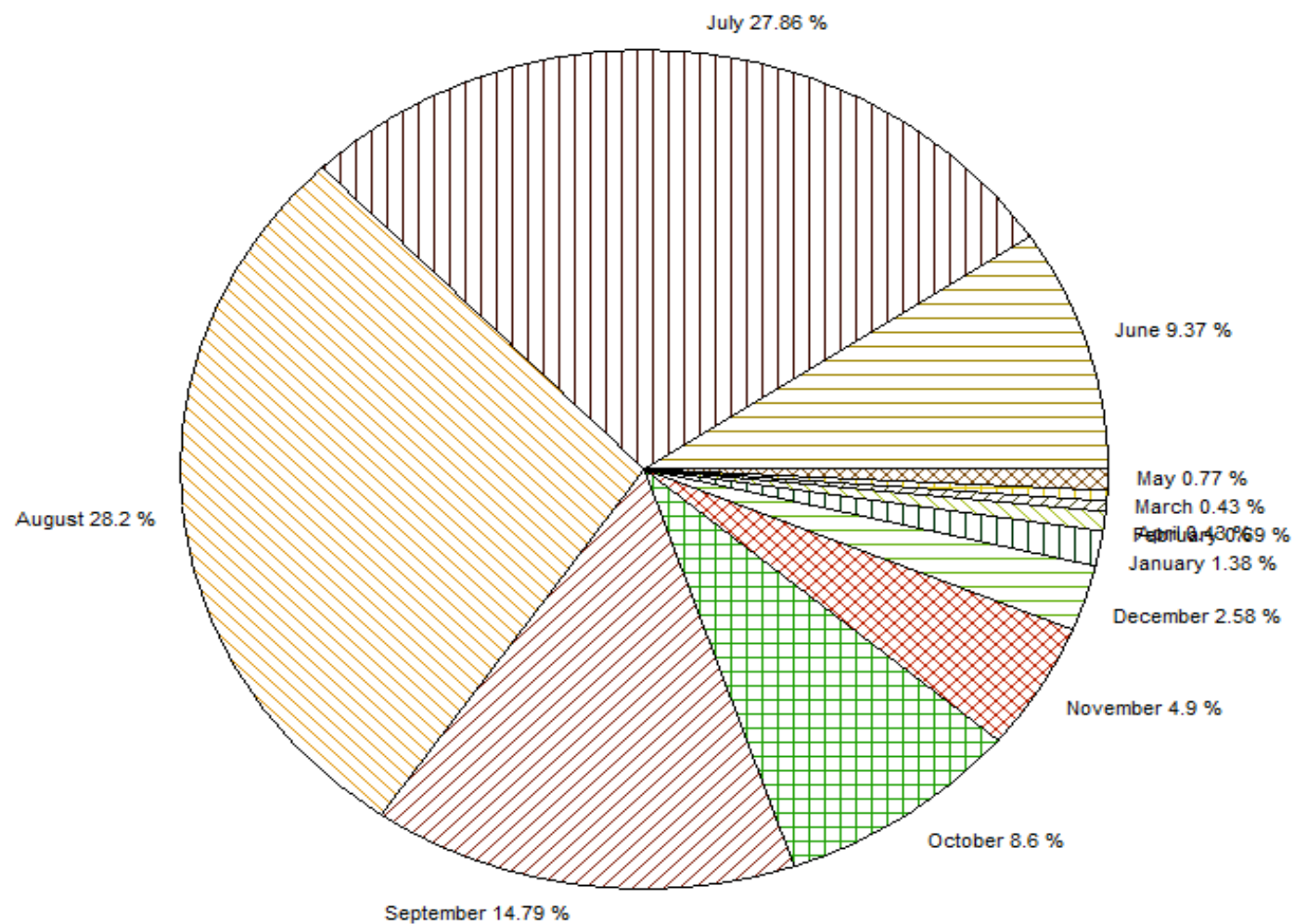
Monthly Average Runoff based on period : 2002-2018

Station Name : Sakleshpur (CCR00U6)

Local River : Hemavathi

Division : Cauvery Division, Bangalore

Sub-Division : SWRSD-III, Mangalore



June	9.37 %
July	27.86 %
August	28.2 %
September	14.79 %
October	8.6 %
November	4.9 %
December	2.58 %
January	1.38 %
February	0.69 %
March	0.43 %
April	0.43 %
May	0.77 %

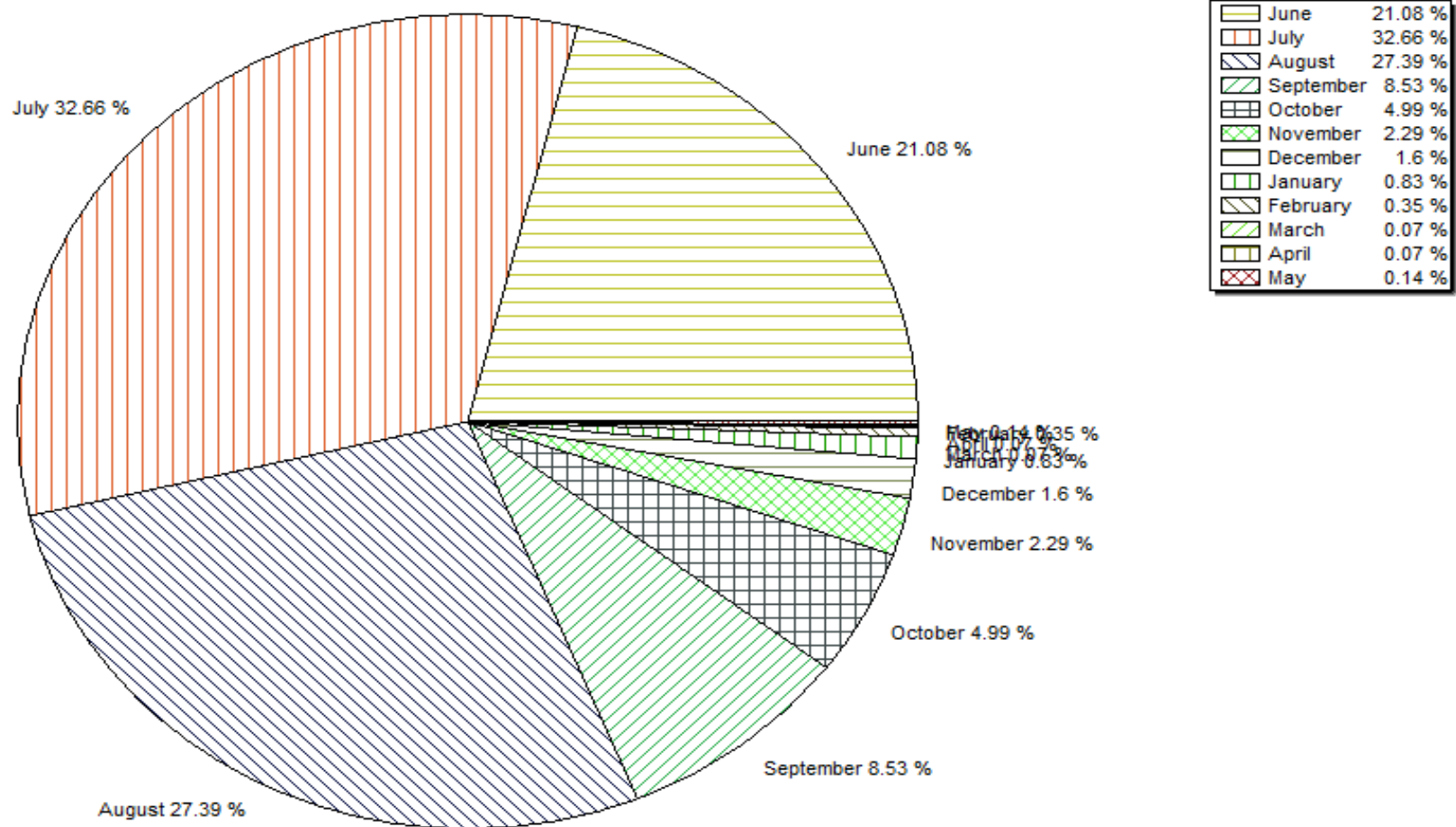
Monthly Runoff for the Year : 2018-2019

Station Name : Sakleshpur (CCR00U6)

Local River : Hemavathi

Division : Cauvery Division, Bangalore

Sub-Division : SWRSD-III, Mangalore



Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

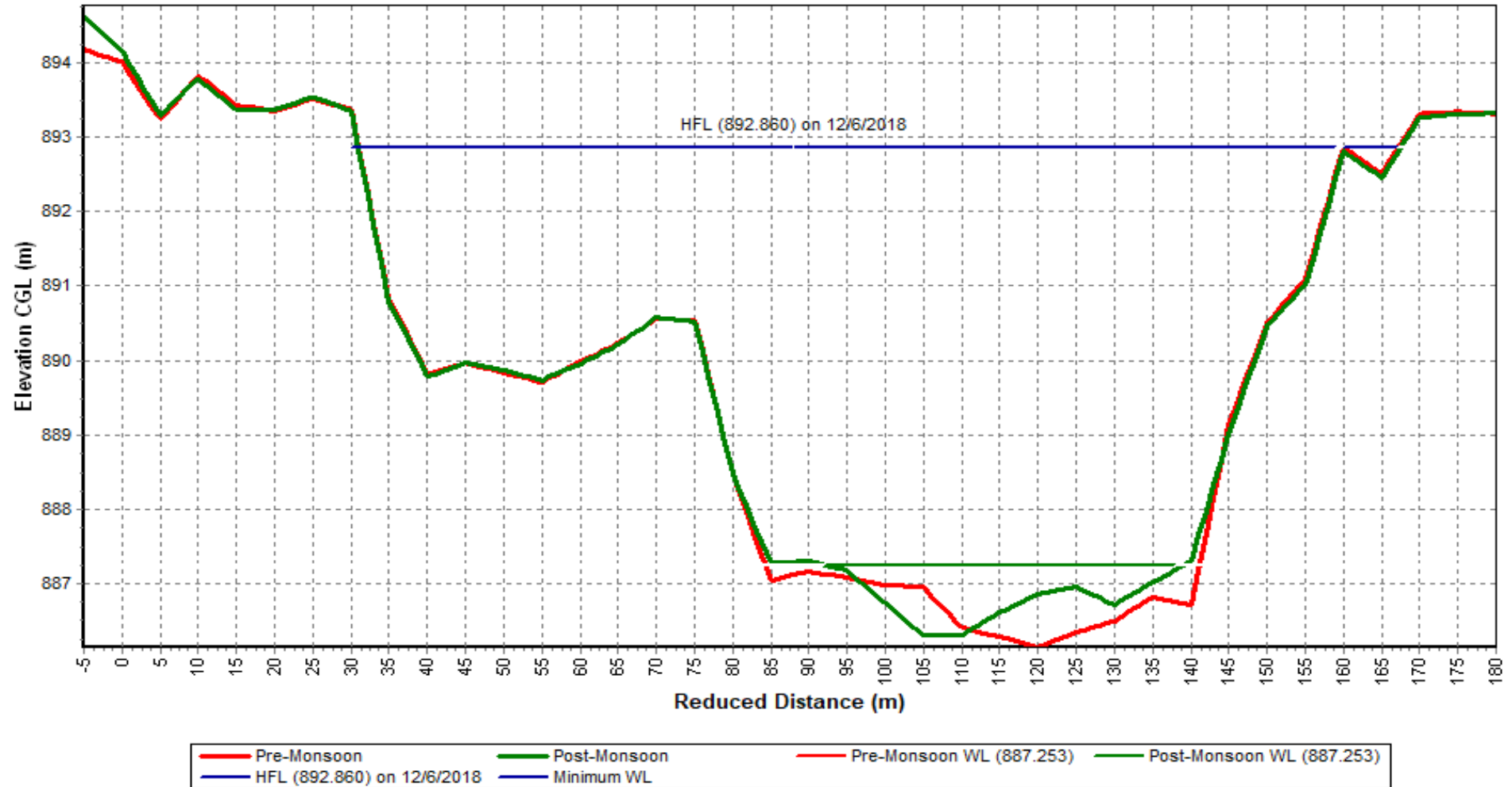
Station Name : Sakleshpur (CCR00U6)

Local River : Hemavathi

Division : Cauvery Division, Bangalore

Sub-Division : SWRSD-III, Mangalore

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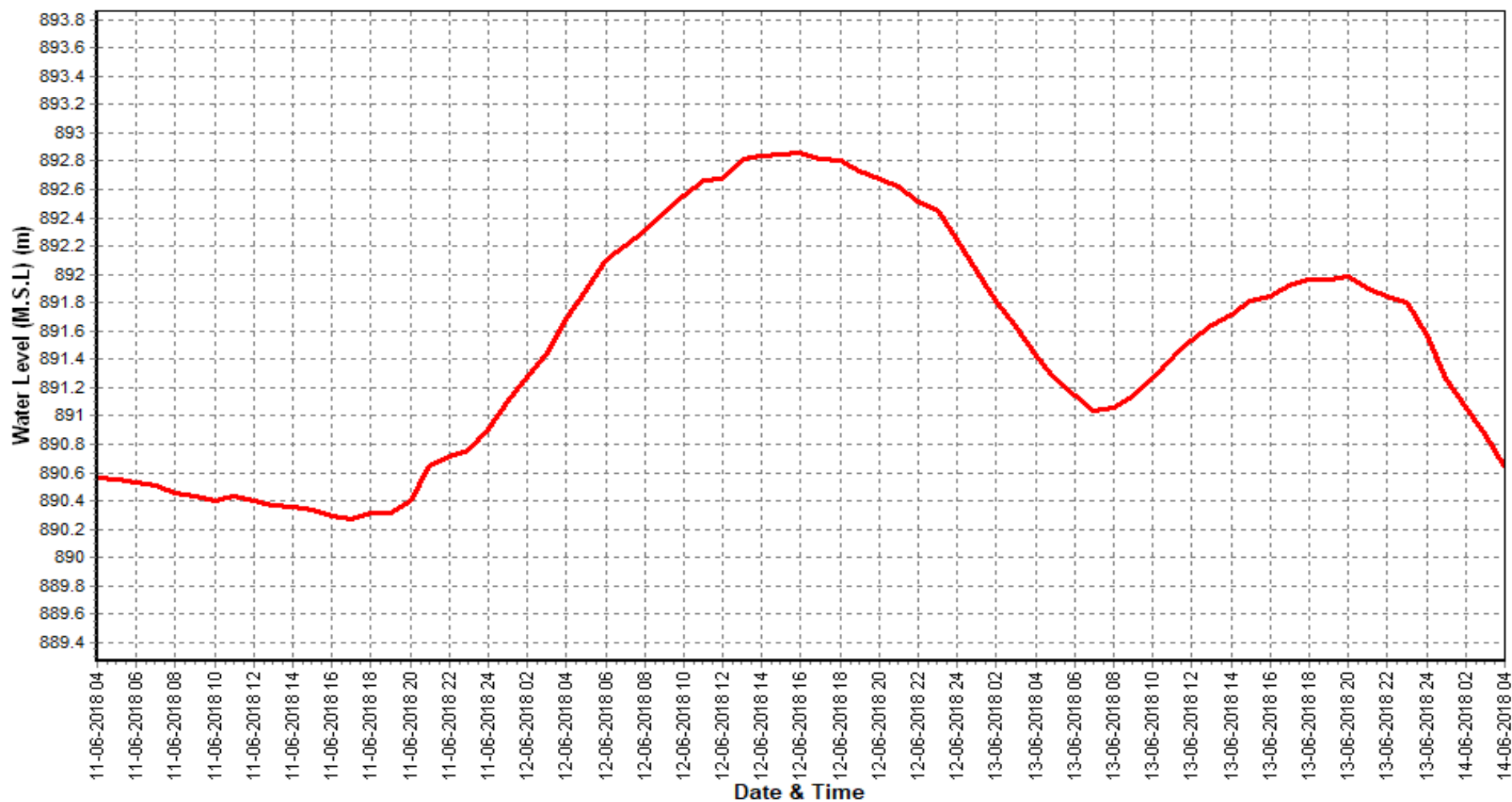
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : Sakleshpur (CCR00U6)

Local River : Hemavathi

Division : Cauvery Division, Bangalore

Sub-Division : SWRSD-III, Mangalore



Time Span: 72 Hrs

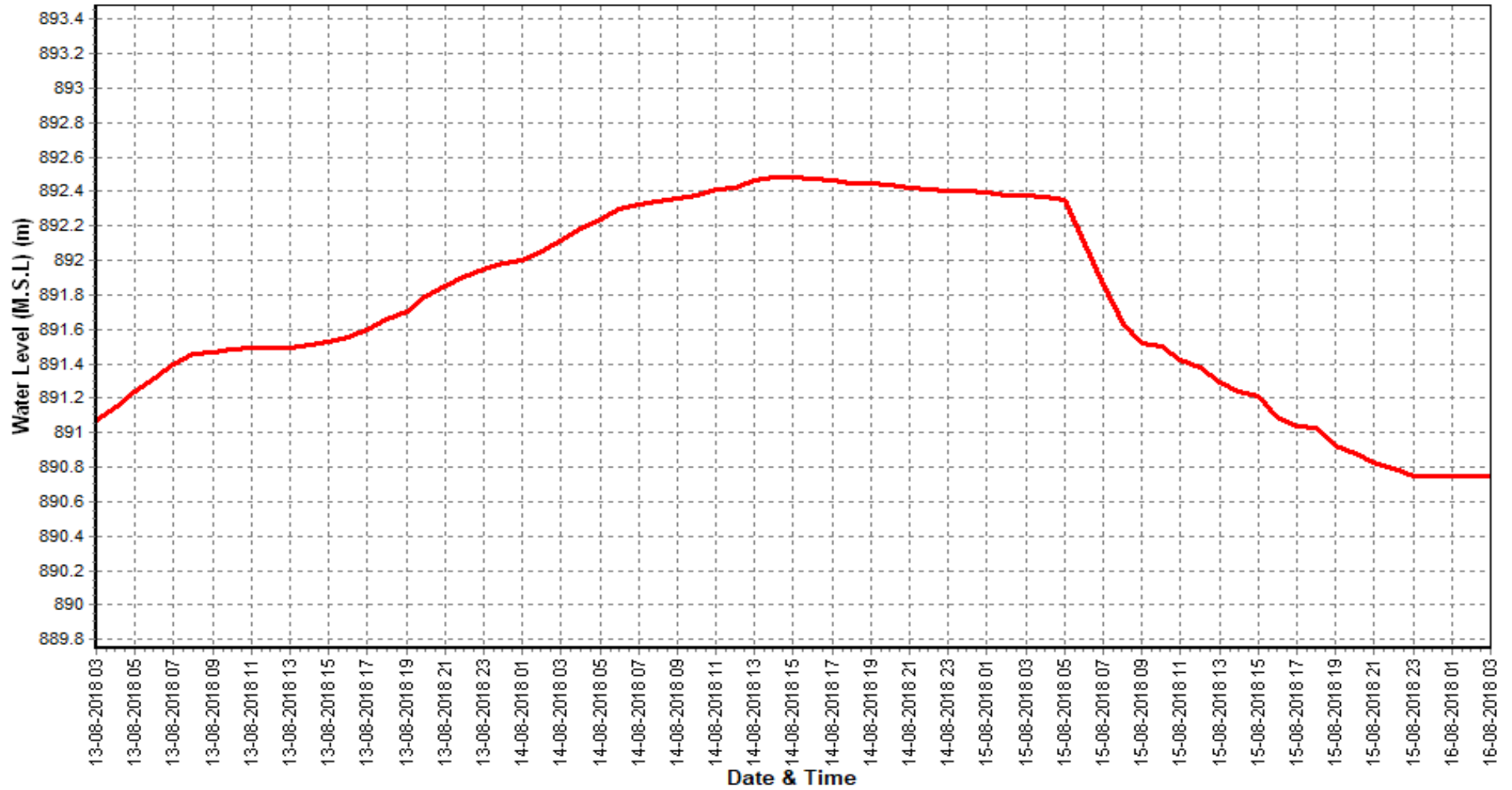
Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : Sakleshpur (CCR00U6)

Local River : Hemavathi

Division : Cauvery Division, Bangalore

Sub-Division : SWRSD-III, Mangalore



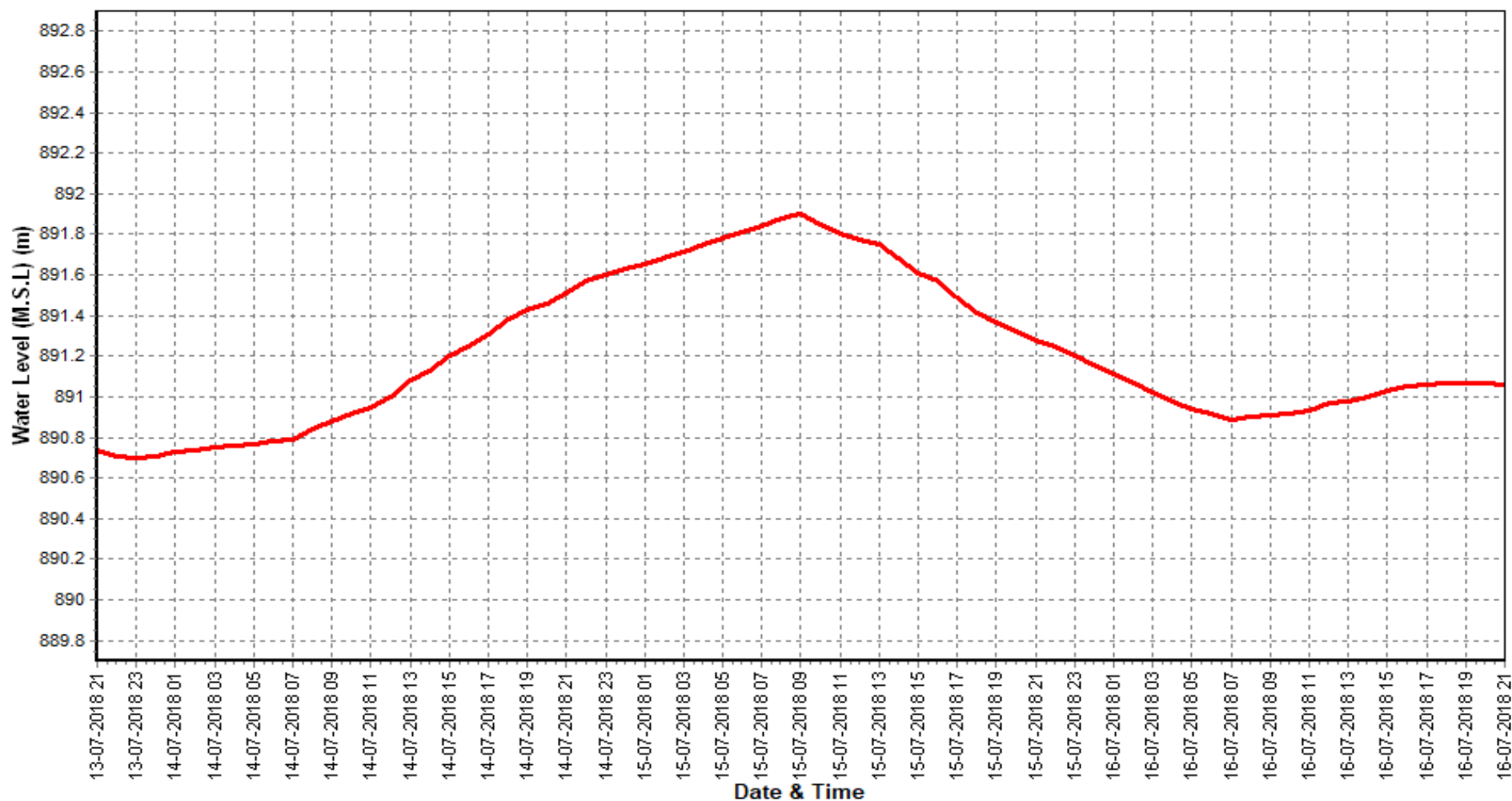
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : Sakleshpur (CCR00U6)

Local River : Hemavathi

Division : Cauvery Division, Bangalore

Sub-Division : SWRSD-III, Mangalore



Time Span: 72 Hrs

HISTORY SHEET

		Water Year	: 2018-2019
Site	: Bettadamne	Code	: 038-CDBNG
State	: Karnataka	District	Chikmagalur
Basin	: Cauvery	Independent River	: Cauvery
Tributary	: Hemavathi	Sub Tributary	:
Sub-Sub Tributary	:	Local River	:
Division	: Cauvery Division, Bangalore	Sub-Division	: Upper Cauvery SD, Bangalore
Drainage Area	: 266.69 Sq. Km.	Bank	: Right
Latitude	: 13°04'09"	Longitude	: 75°40'46"
Zero of Gauge (m)	: 898.25 (Arb)	31-08-2018	
	Opening Date	Closing Date	
Gauge	: 05-11-2016		
Discharge	: 01-11-2018		
Sediment	:		
Water Quality	:		

Stage-Discharge Data for the period 2018 - 2019

Station Name : Bettadamne (038-CDBNG)

Division : Cauvery Division, Bangalore

Local River :

Sub-Division : Upper Cauvery SD, Bangalore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1											899.180	7.513
2											899.175	7.320
3											899.170	7.259
4											899.170	7.208 *
5											899.280	9.821
6											899.220	8.400
7											899.215	8.359
8											899.205	8.005 *
9											899.150	6.522
10											899.150	6.437
11											899.135	6.455 *
12											899.125	6.027
13											899.125	6.162
14											899.120	5.905
15											899.095	5.653
16											899.100	5.899
17											899.100	5.653
18											899.100	5.744 *
19											899.210	8.527
20											899.170	7.312
21											899.130	6.351 *
22											899.120	5.771
23											899.100	5.744 *
24											899.105	6.115
25											899.100	5.744 *
26											899.105	5.635
27											899.100	6.022
28											899.090	5.662
29											899.080	5.553
30											899.085	5.560
31												
Ten-Daily Mean												
I Ten-Daily											899.191	7.684
II Ten-Daily											899.128	6.334
III Ten-Daily											899.102	5.816
Monthly												
Min.											899.080	5.553
Max.											899.280	9.821
Mean											899.140	6.611

Annual Runoff in MCM = 41 Annual Runoff in mm = 155

Peak Observed Discharge = 9.821 cumecs on 05-11-2018 Corres. Water Level :899.28 m

Lowest Observed Discharge = 0.000 cumecs on 17-03-2019 Corres. Water Level :898.615 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Bettadamne (038-CDBNG)

Division : Cauvery Division, Bangalore

Local River :

Sub-Division : Upper Cauvery SD, Bangalore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	899.085	5.145	898.970	3.775	898.850	1.820	898.685	0.547	898.585	0.000	898.665	0.270
2	899.080	5.387 *	898.965	3.601	898.850	1.771	898.680	0.506	898.600	0.000	898.665	0.271
3	899.075	5.242	898.960	3.325	898.850	1.918 *	898.680	0.505 *	898.670	0.339	898.665	0.273
4	899.070	5.044	898.955	3.215	898.840	1.739	898.675	0.472	898.690	0.371	898.660	0.232
5	899.075	5.028	898.955	3.016	898.830	1.707 #	898.660	0.287	898.630	0.000	898.650	0.236 *
6	899.075	5.065	898.950	3.187 *	898.830	1.667	898.660	0.278	898.620	0.000	898.645	0.175
7	899.130	6.550	898.945	2.919	898.850	1.905	898.650	0.278	898.620	0.000	898.650	0.203
8	899.085	5.412	898.940	2.863	898.850	1.896	898.640	0.255	898.630	0.000	898.645	0.184
9	899.075	5.290 *	898.935	2.755	898.840	1.780	898.635	0.227	898.630	0.000	898.600	0.000
10	899.070	4.656	898.925	2.769	898.830	1.707 *	898.625	0.162 *	898.650	0.000	898.595	0.000
11	899.060	5.221	898.920	2.732	898.820	1.640	898.620	0.164	898.650	0.274	898.595	0.000
12	899.050	5.048	898.920	2.643	898.820	1.612	898.630	0.174	898.700	0.543	898.575	0.000
13	899.045	4.972	898.915	2.702 *	898.810	1.571	898.635	0.190 #	898.740	0.703	898.575	0.000
14	899.040	4.929	898.915	2.621	898.800	1.532	898.630	0.195	898.730	0.591 *	898.570	0.000
15	899.040	4.936	898.910	2.636 *	898.790	1.487	898.620	0.173	898.730	0.629	898.570	0.000
16	899.035	4.552 *	898.900	2.265	898.790	1.525	898.620	0.160	898.720	0.590	898.570	0.000
17	899.030	4.370	898.890	2.441	898.790	1.324 *	898.615	0.000	898.720	0.537 *	898.560	0.000
18	899.030	4.596	898.890	2.416	898.780	1.270	898.610	0.000	898.710	0.485 *	898.560	0.000
19	899.020	4.495	898.890	2.355	898.765	1.086	898.625	0.000	898.710	0.485 *	898.560	0.000
20	899.015	4.354	898.885	2.322 *	898.760	1.043	898.620	0.000	898.690	0.387	898.560	0.000
21	899.015	4.437	898.880	2.281	898.750	1.007	898.620	0.000	898.680	0.348 *	898.560	0.000
22	899.015	4.394	898.880	2.261	898.740	0.904	898.615	0.000	898.680	0.322	898.560	0.000
23	899.010	4.123 *	898.880	2.202	898.735	0.892	898.605	0.000	898.660	0.253	898.620	0.000
24	899.015	4.421	898.880	2.198	898.730	0.849 *	898.615	0.000	898.650	0.217	898.630	0.000
25	899.015	4.207 *	898.880	2.216	898.715	0.827	898.610	0.000	898.650	0.206	898.650	0.000
26	899.015	4.399	898.880	2.262 *	898.710	0.708	898.600	0.000	898.655	0.218	898.720	0.000
27	899.000	4.015	898.880	2.262 *	898.700	0.637	898.600	0.000	898.645	0.218	898.710	0.000
28	898.995	4.003	898.875	2.159	898.695	0.615	898.600	0.000	898.640	0.205 *	898.700	0.000
29	898.995	4.015	898.870	2.102			898.600	0.000	898.640	0.169	898.650	0.000
30	898.995	3.877 *	898.865	2.011			898.595	0.000	898.660	0.233	898.640	0.000
31	898.980	3.924	898.860	1.919			898.590	0.000			898.630	0.000
Ten-Daily Mean												
I Ten-Daily	899.082	5.282	898.950	3.143	898.842	1.791	898.659	0.352	898.633	0.071	898.644	0.184
II Ten-Daily	899.036	4.747	898.904	2.513	898.793	1.409	898.622	0.106	898.710	0.522	898.569	0.000
III Ten-Daily	899.005	4.165	898.875	2.170	898.722	0.805	898.605	0.000	898.656	0.239	898.643	0.000
Monthly												
Min.	898.980	3.877	898.860	1.919	898.695	0.615	898.590	0.000	898.585	0.000	898.560	0.000
Max.	899.130	6.550	898.970	3.775	898.850	1.918	898.685	0.547	898.740	0.703	898.720	0.273
Mean	899.040	4.713	898.909	2.595	898.790	1.373	898.628	0.148	898.666	0.277	898.620	0.059

Peak Computed Discharge = 8.005 cumecs on 08-11-2018

Corres. Water Level :899.205 m

Lowest Computed Discharge = 0.162 cumecs on 10-03-2019

Corres. Water Level :898.625 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

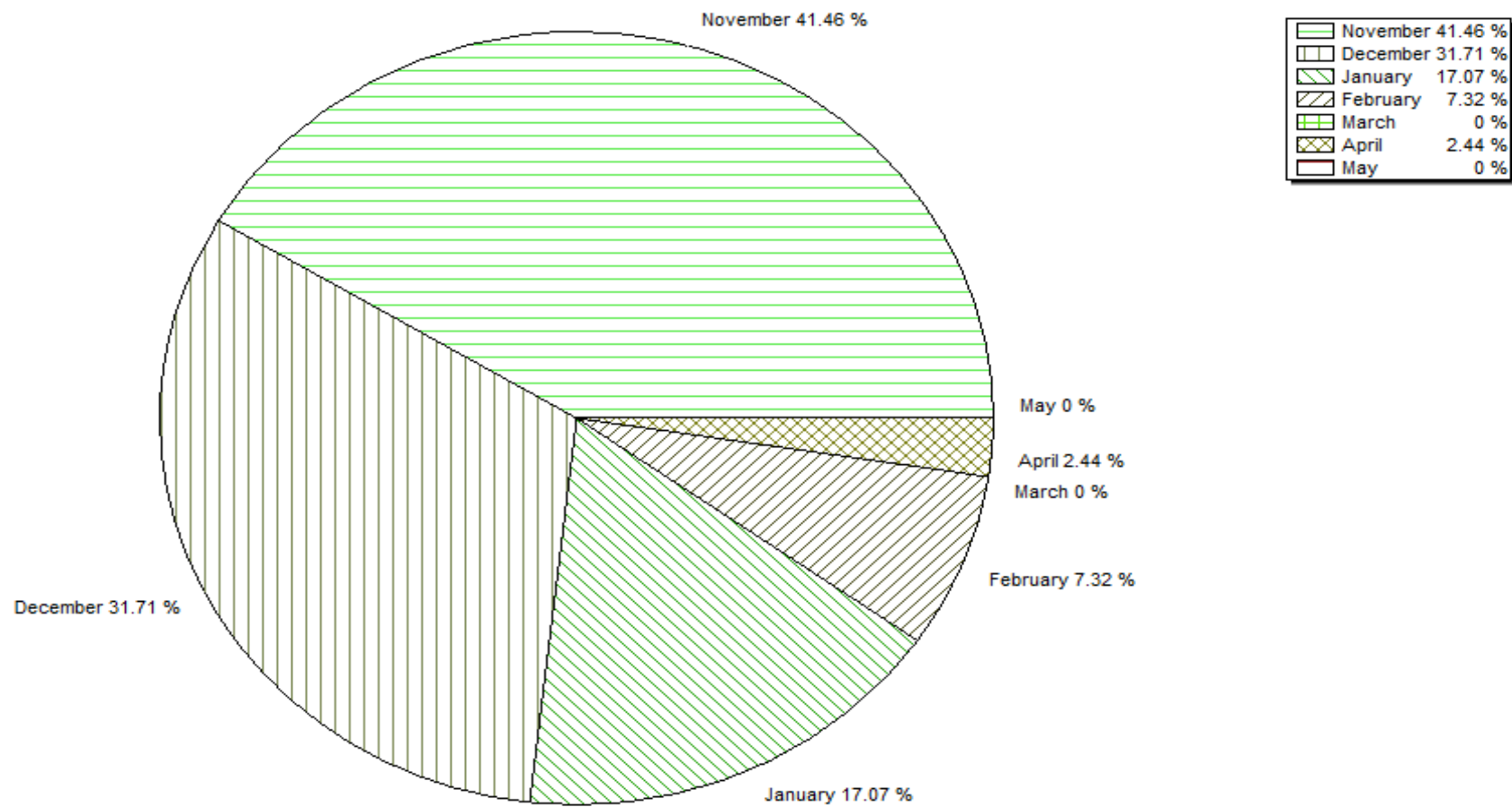
Monthly Runoff for the Year : 2018-2019

Station Name : Bettadamne (038-CDBNG)

Local River :

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



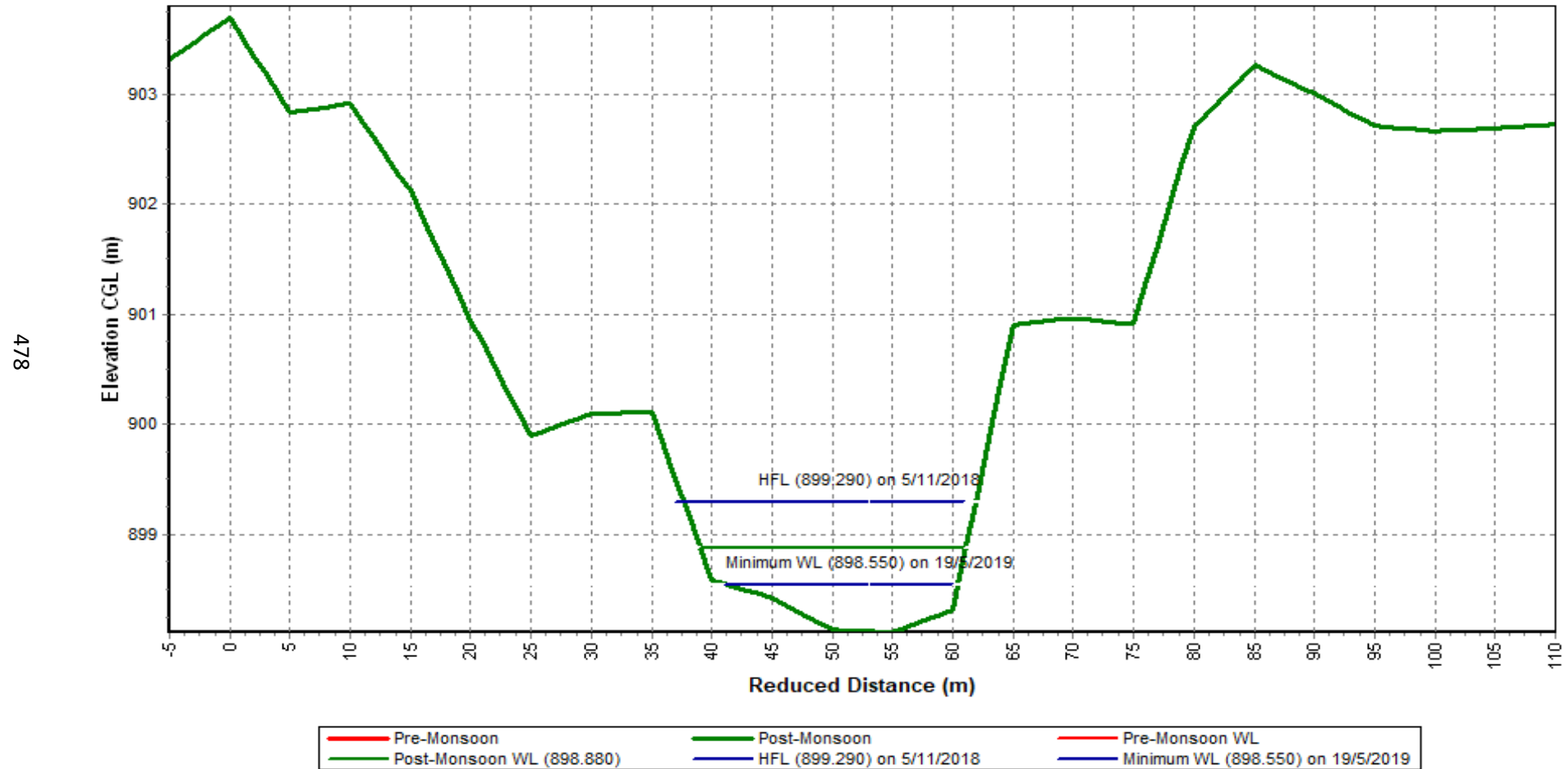
Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : Bettadamne (038-CDBNG)

Local River :

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

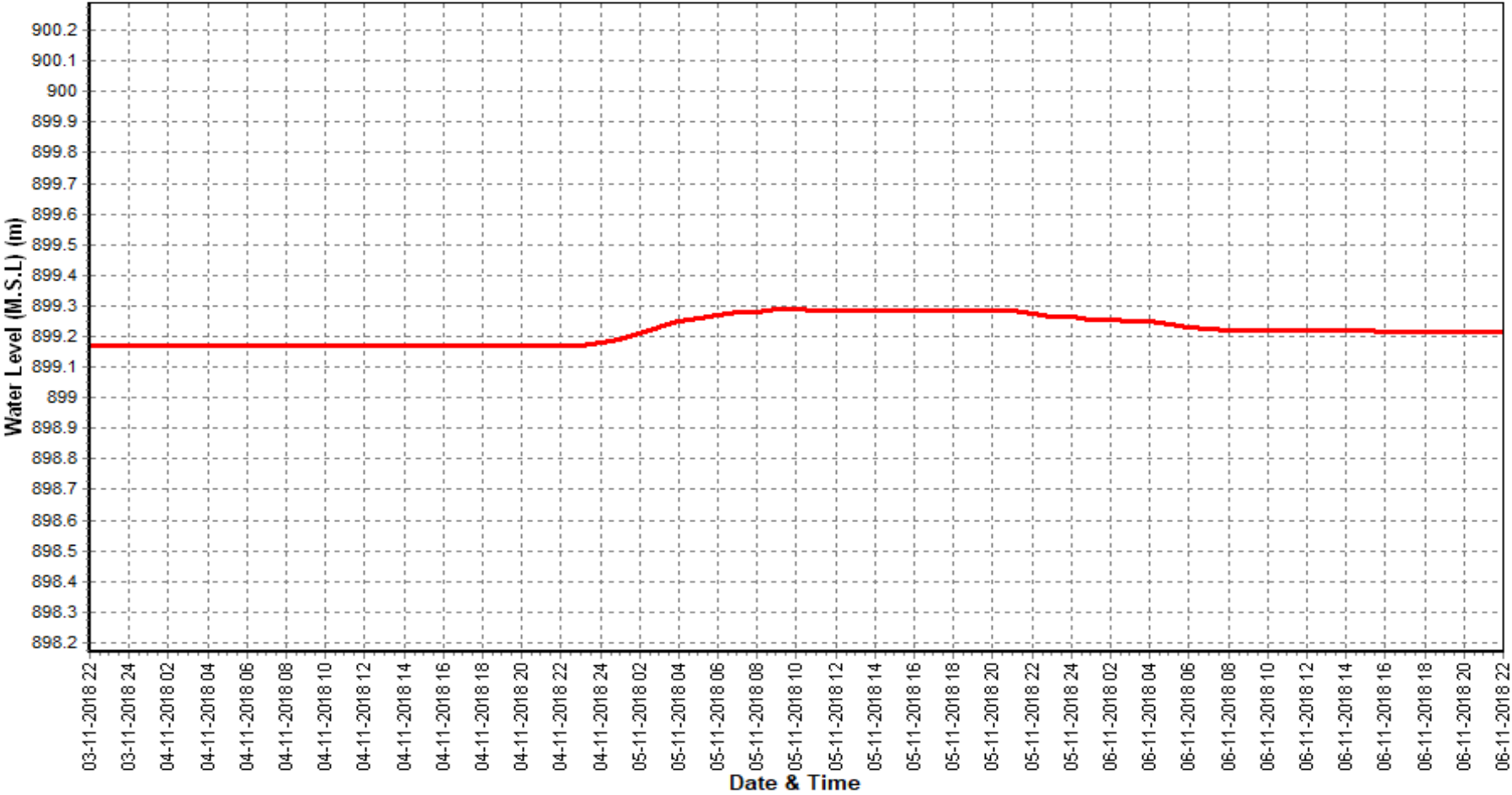


Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : Bettadamne (038-CDBNG)
Local River :

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

6/7



Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

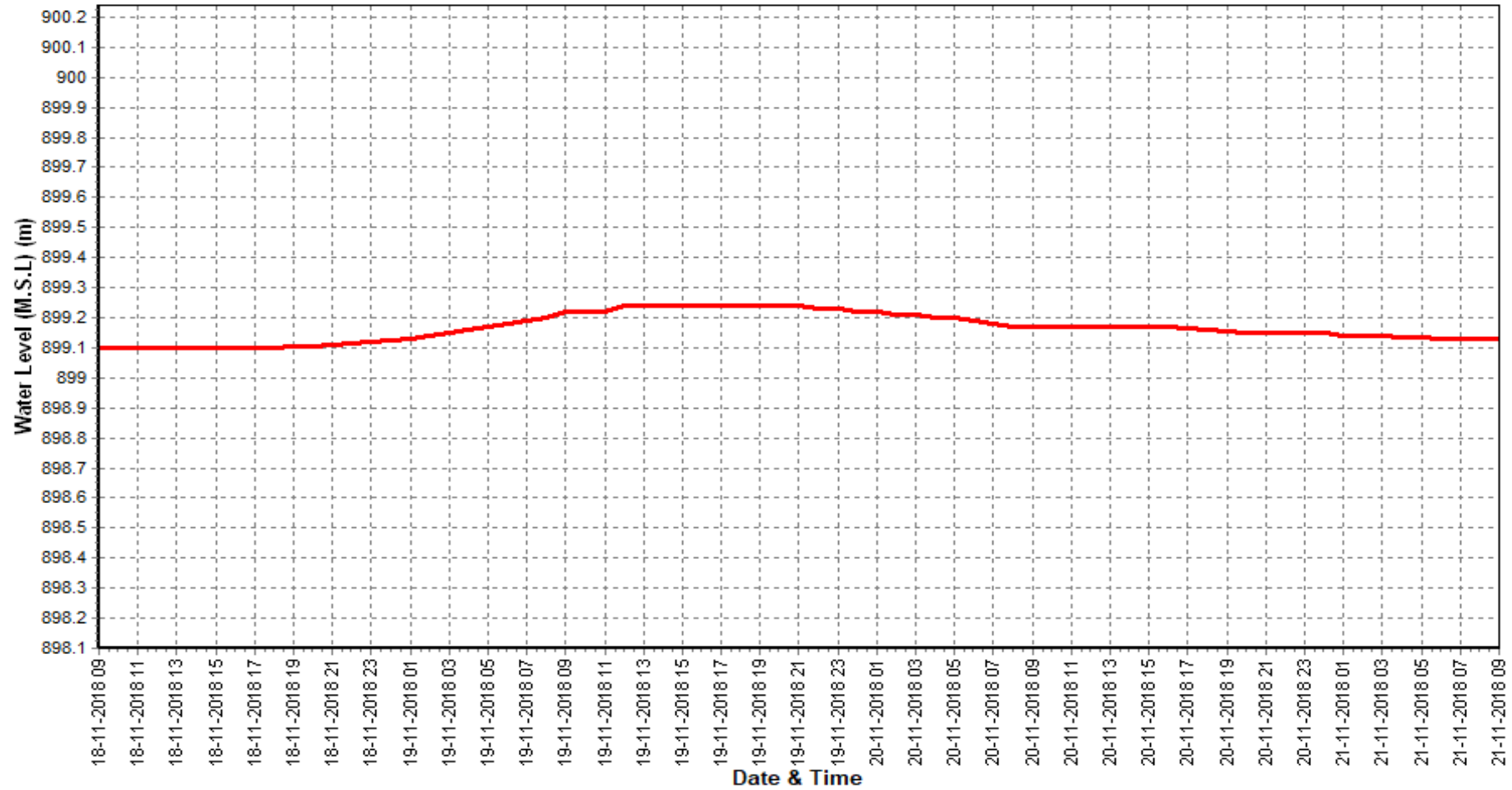
Station Name : Bettadamne (038-CDBNG)

Division : Cauvery Division, Bangalore

Local River :

Sub-Division : Upper Cauvery SD, Bangalore

080



Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

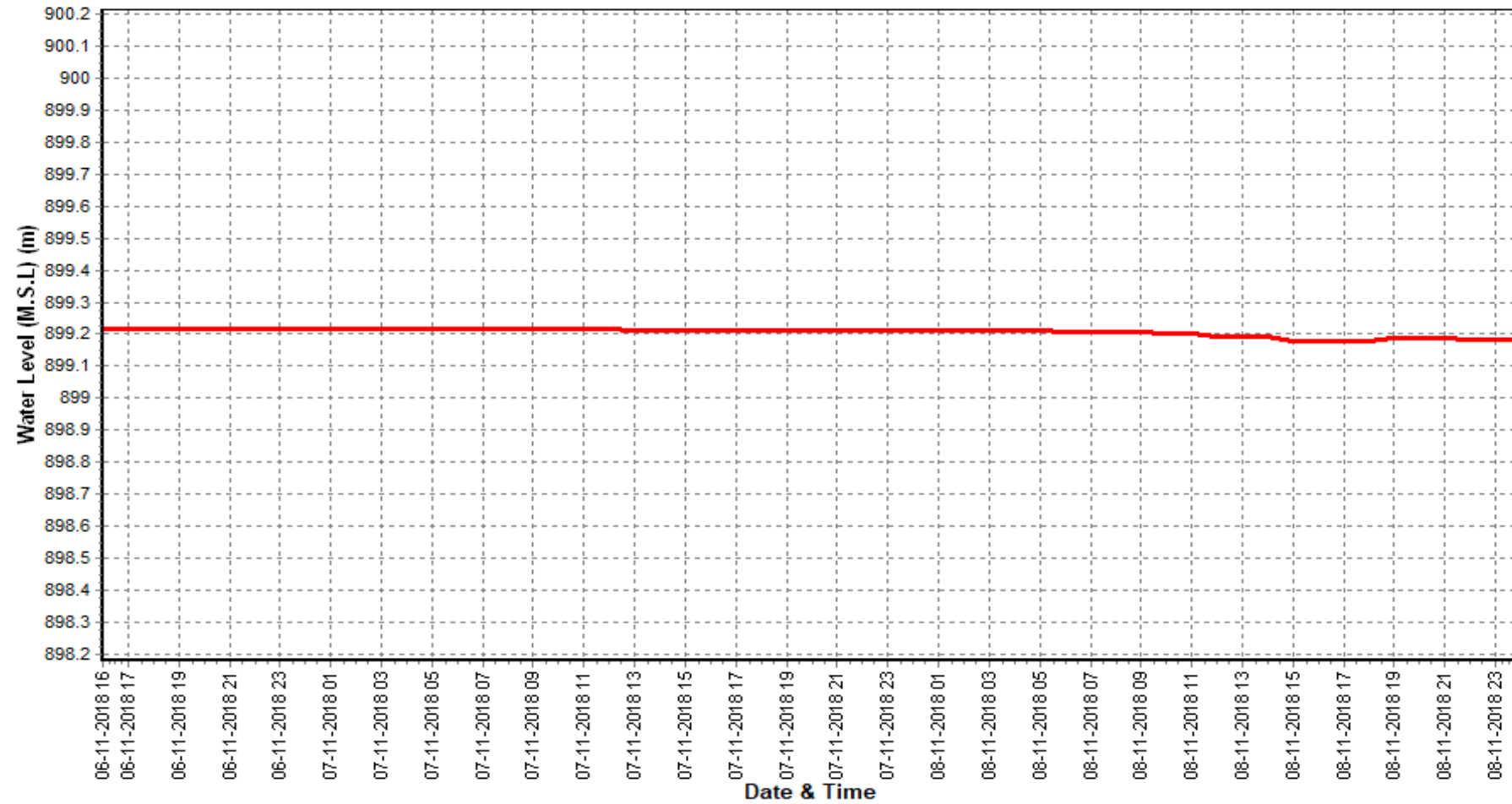
Station Name : Bettadamne (038-CDBNG)

Division : Cauvery Division, Bangalore

Local River :

Sub-Division : Upper Cauvery SD, Bangalore

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Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2018-2019

Site : Chunchunkatte

Code : CC000V7

State : Karnataka

District : Mysore

Basin : Cauvery

Independent River : Cauvery

Tributary : -

Sub Tributary :

Sub-Sub Tributary :

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

Drainage Area : 2995 Sq. Km.

Bank : Right

Latitude : 12°30'34"

Longitude : 76°18'04"

Zero of Gauge (m) : 748.000 (m.s.l)

21-07-98

Opening Date

Closing Date

Gauge : 21-07-98

Discharge : 19-07-08

Discharges Estimated from 01/06/2008 to 18/07/2008

Sediment :

Water Quality : 03-10-08

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
2008-2009	1456	756.440	14-08-08	0.000	751.800	06-01-09
2009-2010	941.4	757.180	19-07-09	0.000	751.740	01-06-09
2010-2011	497.9	755.840	30-07-10	0.000	751.840	01-06-10
2011-2012	629.7	755.870	04-09-11	0.000	751.900	21-01-12
2012-2013	1086	755.980	08-08-12	0.000	751.860	01-06-12
2013-2014	812.1	756.940	22-07-13	0.000	752.000	01-06-13
2014-2015	707.1	756.250	02-08-14	0.000	751.760	01-06-14
2015-2016	483.2	756.000	28-06-15	0.000	752.140	01-06-15
2016-2017	352.7	755.280	30-06-16	0.000	752.080	16-05-17
2017-2018	368.6	755.780	30-08-17	0.000	752.180	01-06-17

Stage-Discharge Data for the period 2018 - 2019

Station Name : Chunchunkatte (CC000V7)

Division : Cauvery Division, Bangalore

Local River : Cauvery

Sub-Division : Upper Cauvery SD, Bangalore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	753.260	75.49 #	753.900	170.6 *	753.800	143.1	754.420	310.3	753.300	84.38	752.410	0.000
2	752.640	20.00	753.640	151.5	754.000	162.7	753.910	198.7 *	753.190	67.32 *	752.450	0.000
3	752.660	23.03 *	753.480	112.0	753.940	158.5	753.700	133.3	753.150	63.18	752.710	24.44
4	752.280	6.229 *	753.420	99.65	753.680	133.1 *	753.720	150.2	753.090	55.85	752.840	30.36 *
5	752.380	10.33	753.350	92.14	753.650	128.4 *	753.600	129.3	753.240	69.20	752.240	0.000
6	752.610	17.66	753.140	72.88	753.610	122.2 *	753.200	85.38	753.180	82.55	752.380	0.000
7	752.390	8.571	753.170	75.09	753.510	107.6 *	753.170	76.55	753.070	52.80 *	752.360	0.000
8	752.420	10.05	754.950	423.5 *	753.940	160.3	753.160	57.84	752.900	33.70	752.200	0.000
9	752.540	17.29	755.900	765.0 #	756.100	850.4	753.130	59.81 *	752.940	37.95	752.410	0.000
10	753.650	128.4 *	756.220	750.6	756.750	1202	753.100	59.44	753.470	115.6	752.430	0.000
11	754.580	230.5	756.240	901.0	755.270	603.4	753.040	53.12	753.340	96.57	752.240	0.000
12	755.440	585.8 #	756.730	940.9	755.480	600.3 *	753.240	81.83	753.050	43.74	752.360	0.000
13	755.430	582.2 #	756.420	835.0	756.510	1045	753.170	64.76 *	752.550	10.56	752.380	0.000
14	755.700	683.8 #	756.470	957.0	756.580	1101	753.010	44.90	752.720	21.33 *	752.360	0.000
15	755.770	711.6 #	756.530	1054 *	758.030	1955 *	752.940	41.20	752.880	26.94	752.470	6.588
16	755.260	522.8 *	756.550	1080	757.730	1852	753.050	50.56 *	753.040	57.68	752.320	0.000
17	754.400	275.4 *	756.640	1183	759.000	2705 *	752.940	44.86	753.250	75.34 #	752.440	5.781
18	753.800	168.6	756.480	973.0	759.020	2722 *	752.800	27.15 #	753.430	102.5 *	752.530	10.59 *
19	753.670	145.9	755.830	767.9	758.090	1998 *	752.820	28.73 #	753.130	59.81 *	752.710	20.33
20	753.590	118.1	756.000	797.6	757.490	1600	752.920	29.41	753.110	64.32	752.700	23.18
21	753.800	141.1	755.540	704.1	755.580	719.9	752.750	23.42 *	753.150	62.26 *	752.700	20.01 *
22	753.900	152.3	755.580	637.5 *	754.900	408.6 *	752.600	18.15	753.060	44.21	752.830	32.75
23	753.530	131.4	755.800	751.6	755.180	560.3	752.660	17.48 *	752.810	22.49	752.750	23.42 *
24	753.650	128.4 *	755.690	735.1	754.520	320.6	753.100	58.86	752.780	20.89	752.770	29.80
25	753.440	107.2	755.880	780.1	755.180	560.3	753.360	91.67	752.650	14.70	752.780	25.62 *
26	753.400	100.0	755.840	770.7	754.250	241.0 *	753.520	138.2	752.570	13.27	752.990	49.74
27	753.210	71.94	755.350	622.6	753.930	159.3	754.080	180.0	752.530	9.389	752.910	42.92
28	753.530	138.3	754.770	400.1	754.060	168.4	753.780	155.3	752.480	0.000	752.860	38.15
29	754.850	394.0 #	754.180	225.9 *	754.310	236.2	753.820	159.8	752.430	0.000	752.850	33.75
30	754.470	218.4	754.000	162.4	754.550	325.2	753.560	125.0 *	752.400	0.000	752.760	20.69
31			753.840	151.3	754.450	315.4			752.390	0.000		
Ten-Daily Mean												
I Ten-Daily	752.683	31.70	754.117	271.3	754.298	316.9	753.511	126.1	753.153	66.25	752.443	5.480
II Ten-Daily	754.764	402.5	756.389	948.9	757.320	1618	752.993	46.65	753.050	55.88	752.451	6.646
III Ten-Daily	753.778	158.3	755.134	540.1	754.628	365.0	753.323	96.78	752.659	17.02	752.820	31.69
Monthly												
Min.	752.280	6.229	753.140	72.88	753.510	107.6	752.600	17.48	752.390	0.000	752.200	0.000
Max.	755.770	711.6	756.730	1183	759.020	2722	754.420	310.3	753.470	115.6	752.990	49.74
Mean	753.742	197.5	755.211	585.3	755.390	753.8	753.276	89.84	752.945	45.44	752.571	14.6

Annual Runoff in MCM = 4547 Annual Runoff in mm = 1518

Peak Observed Discharge = 1852 cumecs on 16-08-2018 Corres. Water Level :757.73 m

Lowest Observed Discharge = 0.000 cumecs on 28-10-2018 Corres. Water Level :752.48 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

#:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Chunchunkatte (CC000V7)

Division : Cauvery Division, Bangalore

Local River : Cauvery

Sub-Division : Upper Cauvery SD, Bangalore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	752.870	30.76	752.040	0.000	752.210	0.000	751.720	0.000	751.800	0.000	751.980	0.000
2	753.050	60.33 *	751.960	0.000	751.980	0.000	751.720	0.000	751.840	0.000	751.980	0.000
3	752.820	28.85	752.220	0.000	751.980	0.000	751.710	0.000	751.800	0.000	751.910	0.000
4	752.770	27.97	752.500	7.022	752.020	0.000	751.750	0.000	751.760	0.000	751.910	0.000
5	752.750	29.94	752.480	0.000	752.050	0.000	751.740	0.000	751.730	0.000	751.920	0.000
6	752.850	28.25	752.660	0.000	752.090	0.000	751.730	0.000	751.720	0.000	751.910	0.000
7	752.980	56.02	752.450	0.000	752.030	0.000	751.740	0.000	751.710	0.000	751.860	0.000
8	752.900	48.65	752.430	0.000	752.070	0.000	751.740	0.000	751.700	0.000	751.830	0.000
9	752.780	29.23 *	752.000	0.000	752.100	0.000	751.710	0.000	751.730	0.000	751.960	0.000
10	752.800	34.28	752.470	0.000	751.950	0.000	751.700	0.000	751.780	0.000	751.880	0.000
11	752.860	33.23	752.480	0.000	752.070	0.000	751.690	0.000	751.720	0.000	751.840	0.000
12	752.840	32.48	752.950	0.000	752.070	0.000	751.690	0.000	751.700	0.000	751.850	0.000
13	752.760	27.03	751.920	0.000	752.100	0.000	751.670	0.000	751.690	0.000	751.840	0.000
14	752.760	28.05	751.890	0.000	752.030	0.000	751.650	0.000	751.690	0.000	751.830	0.000
15	752.770	28.91	751.880	0.000	751.950	0.000	751.640	0.000	751.690	0.000	751.820	0.000
16	752.660	19.03 *	751.860	0.000	751.910	0.000	751.640	0.000	751.690	0.000	751.760	0.000
17	752.720	29.32	751.840	0.000	751.920	0.000	751.640	0.000	751.680	0.000	751.750	0.000
18	752.680	24.99	751.840	0.000	751.780	0.000	751.660	0.000	751.700	0.000	751.720	0.000
19	752.610	17.80	751.810	0.000	752.000	0.000	751.720	0.000	751.830	0.000	751.710	0.000
20	752.330	2.294 #	751.800	0.000	751.790	0.000	751.740	0.000	752.080	0.000	751.690	0.000
21	752.270	1.007 #	751.760	0.000	751.750	0.000	751.810	0.000	751.960	0.000	751.660	0.000
22	751.790	0.000	751.730	0.000	751.720	0.000	751.840	0.000	751.900	0.000	751.640	0.000
23	752.200	0.000	751.740	0.000	751.690	0.000	751.830	0.000	751.960	0.000	751.660	0.000
24	752.700	22.27	751.760	0.000	751.710	0.000	751.800	0.000	751.010	0.000	751.660	0.000
25	751.760	0.000	751.780	0.000	751.740	0.000	751.750	0.000	751.910	0.000	751.680	0.000
26	752.380	0.000	751.820	0.000	751.770	0.000	751.710	0.000	751.860	0.000	751.700	0.000
27	751.780	0.000	751.870	0.000	751.770	0.000	751.700	0.000	751.800	0.000	751.790	0.000
28	752.320	0.000	751.880	0.000	751.750	0.000	751.690	0.000	751.790	0.000	751.770	0.000
29	752.290	0.000	751.870	0.000			751.690	0.000	751.770	0.000	751.780	0.000
30	751.910	0.000	751.830	0.000			751.710	0.000	751.830	0.000	751.750	0.000
31	752.100	0.000	752.230	0.000			751.800	0.000			751.710	0.000
Ten-Daily Mean												
I Ten-Daily	752.857	37.43	752.321	0.702	752.048	0.000	751.726	0.000	751.757	0.000	751.914	0.000
II Ten-Daily	752.699	24.31	752.027	0.000	751.962	0.000	751.674	0.000	751.747	0.000	751.781	0.000
III Ten-Daily	752.136	2.116	751.843	0.000	751.737	0.000	751.757	0.000	751.779	0.000	751.709	0.000
Monthly												
Min.	751.760	0.000	751.730	0.000	751.690	0.000	751.640	0.000	751.010	0.000	751.640	0.000
Max.	753.050	60.33	752.950	7.022	752.210	0.000	751.840	0.000	752.080	0.000	751.980	0.000
Mean	752.550	20.67	752.056	0.227	751.929	0	751.720	0	751.761	0	751.798	0

Peak Computed Discharge = 2722 cumecs on 18-08-2018

Corres. Water Level :759.02 m

Lowest Computed Discharge = 6.229 cumecs on 04-06-2018

Corres. Water Level :752.28 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

Station Name : Chunchunkatte (CC000V7)

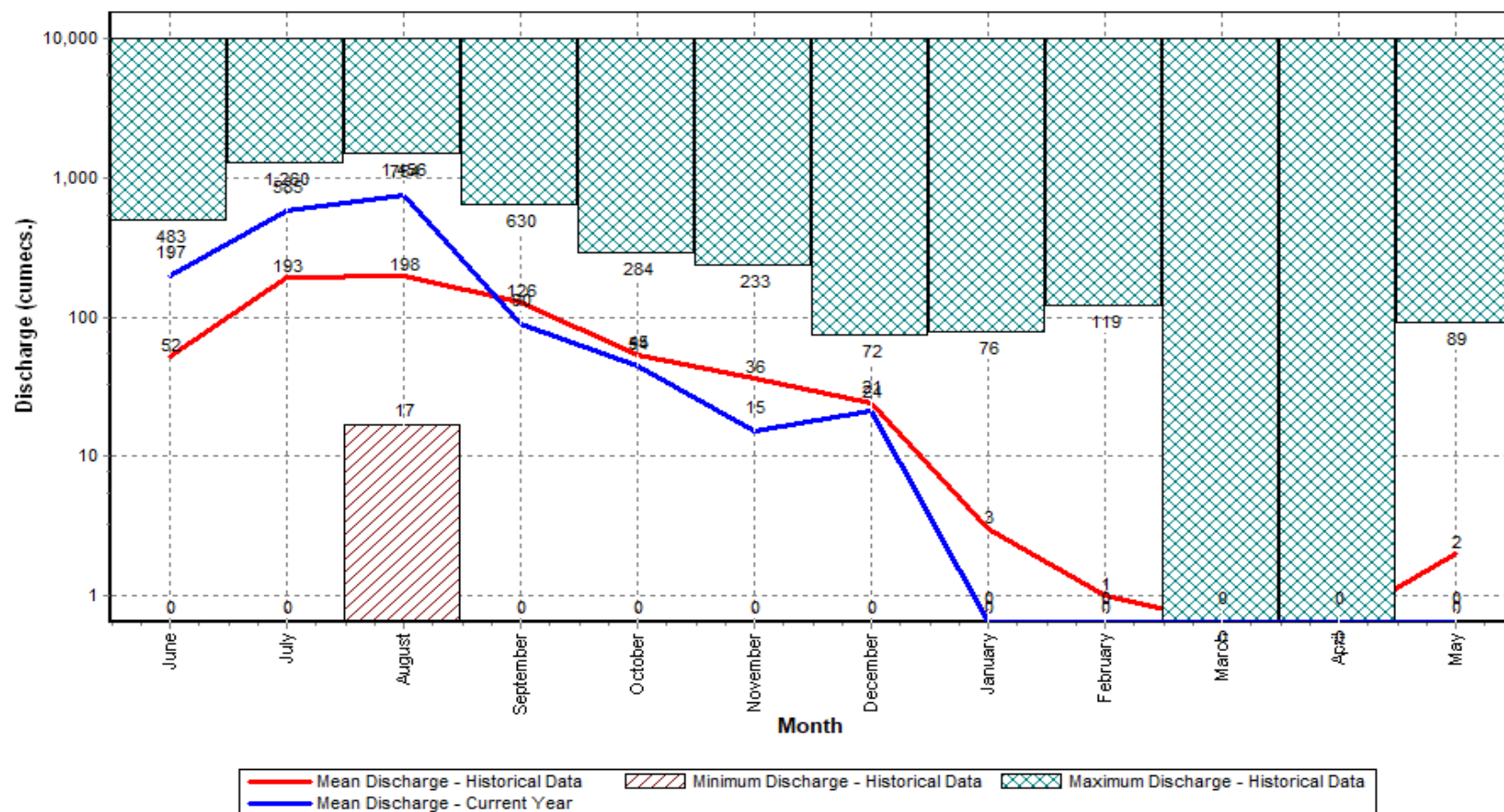
Data considered : 2008-2019

Division : Cauvery Division, Bangalore

Local River : Cauvery

Sub-Division : Upper Cauvery SD, Bangalore

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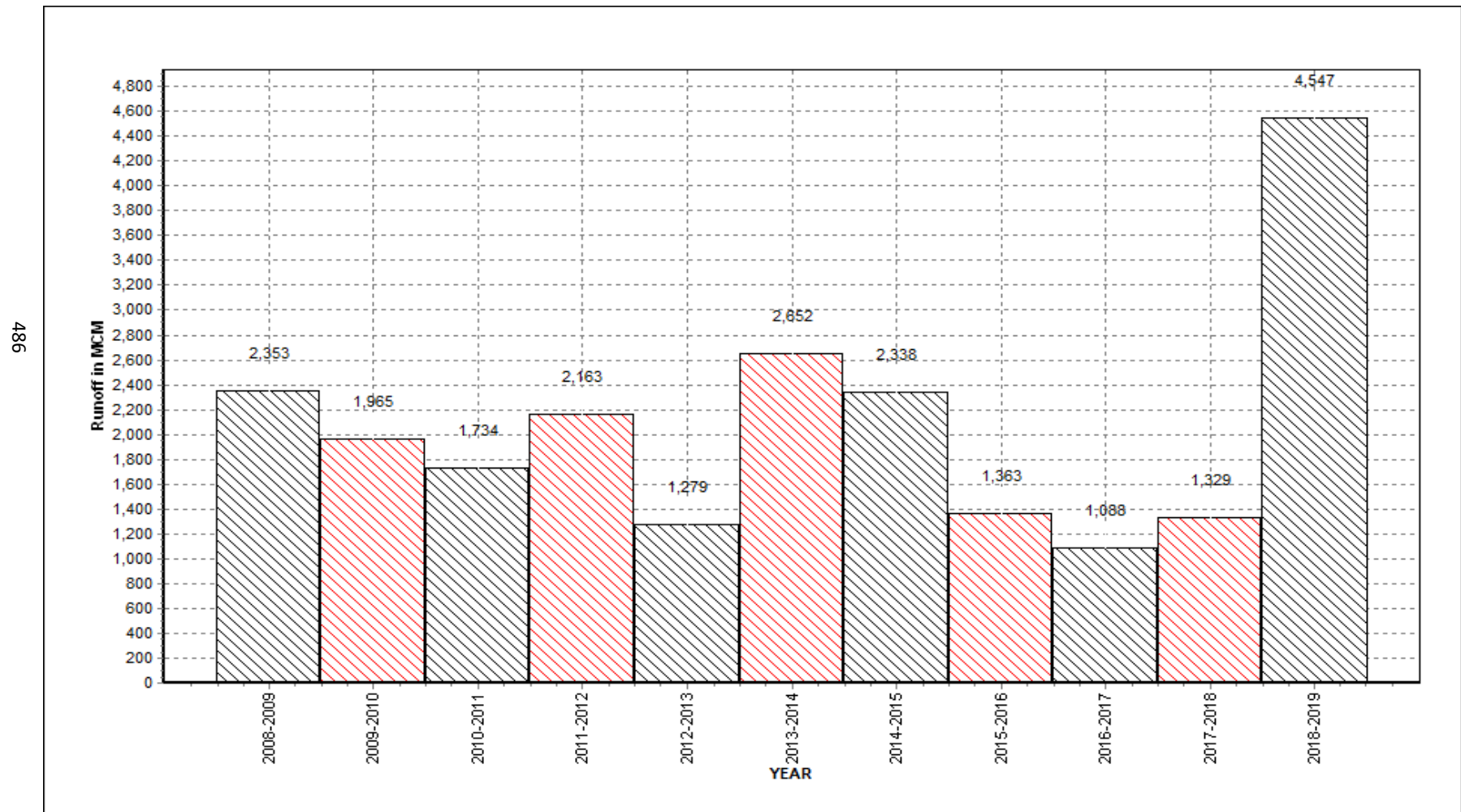
Annual Runoff Values for the period: 2008 - 2019

Station Name : Chunchunkatte (CC000V7)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



Note: Missing values have not been considered while arriving at Annual Runoff

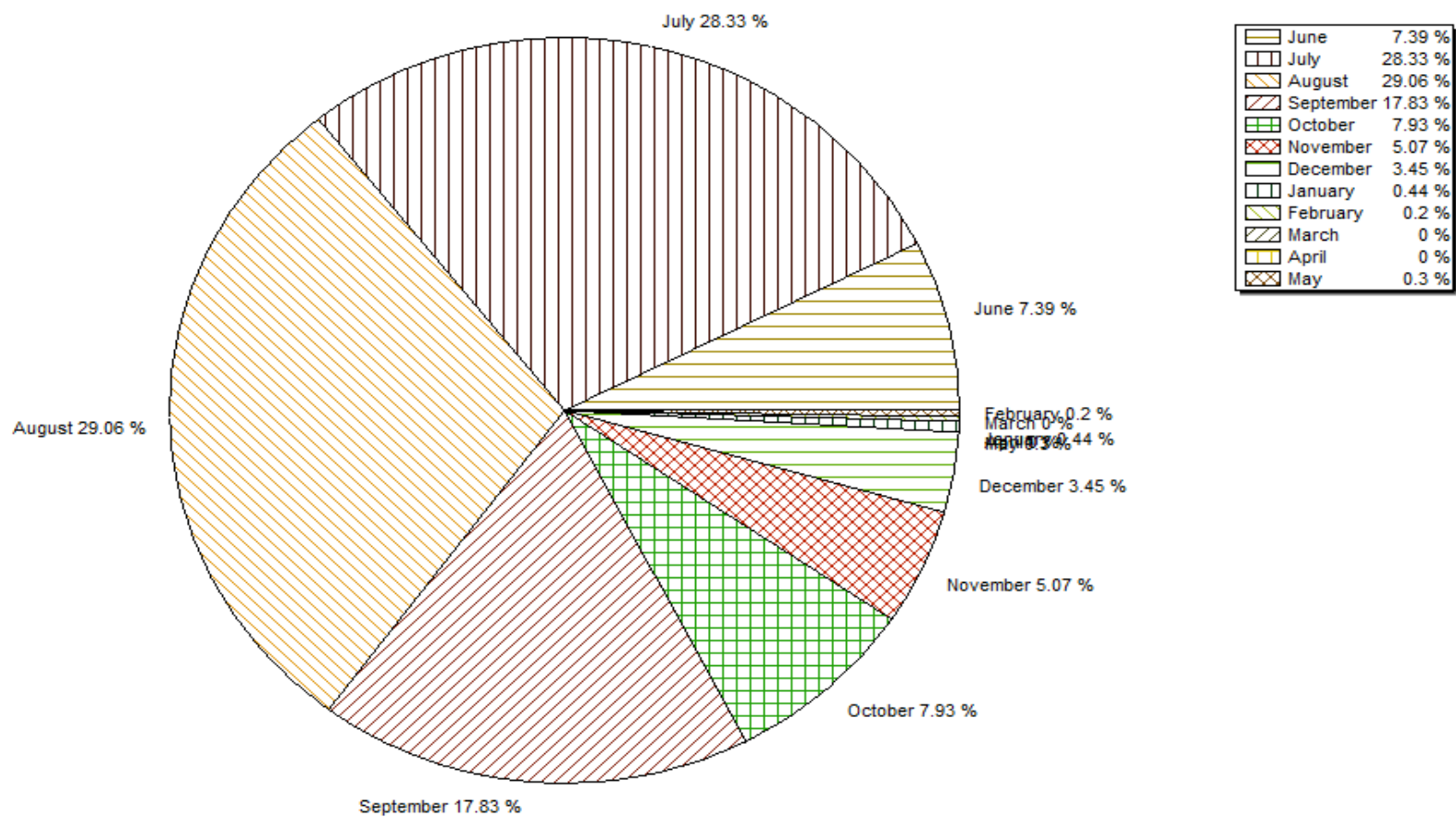
Monthly Average Runoff based on period : 2008-2018

Station Name : Chunchunkatte (CC000V7)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



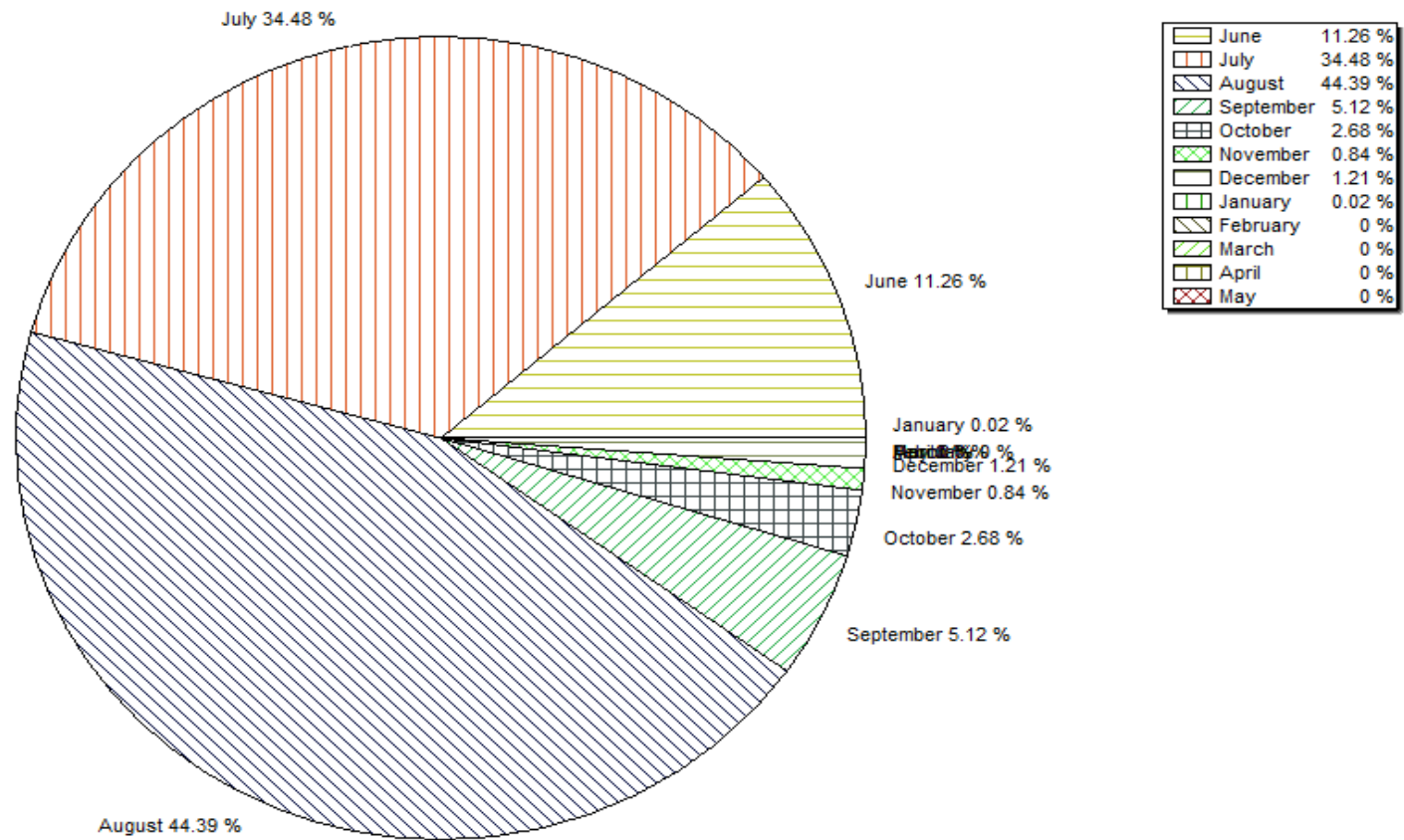
Monthly Runoff for the Year : 2018-2019

Station Name : Chunchunkatte (CC000V7)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

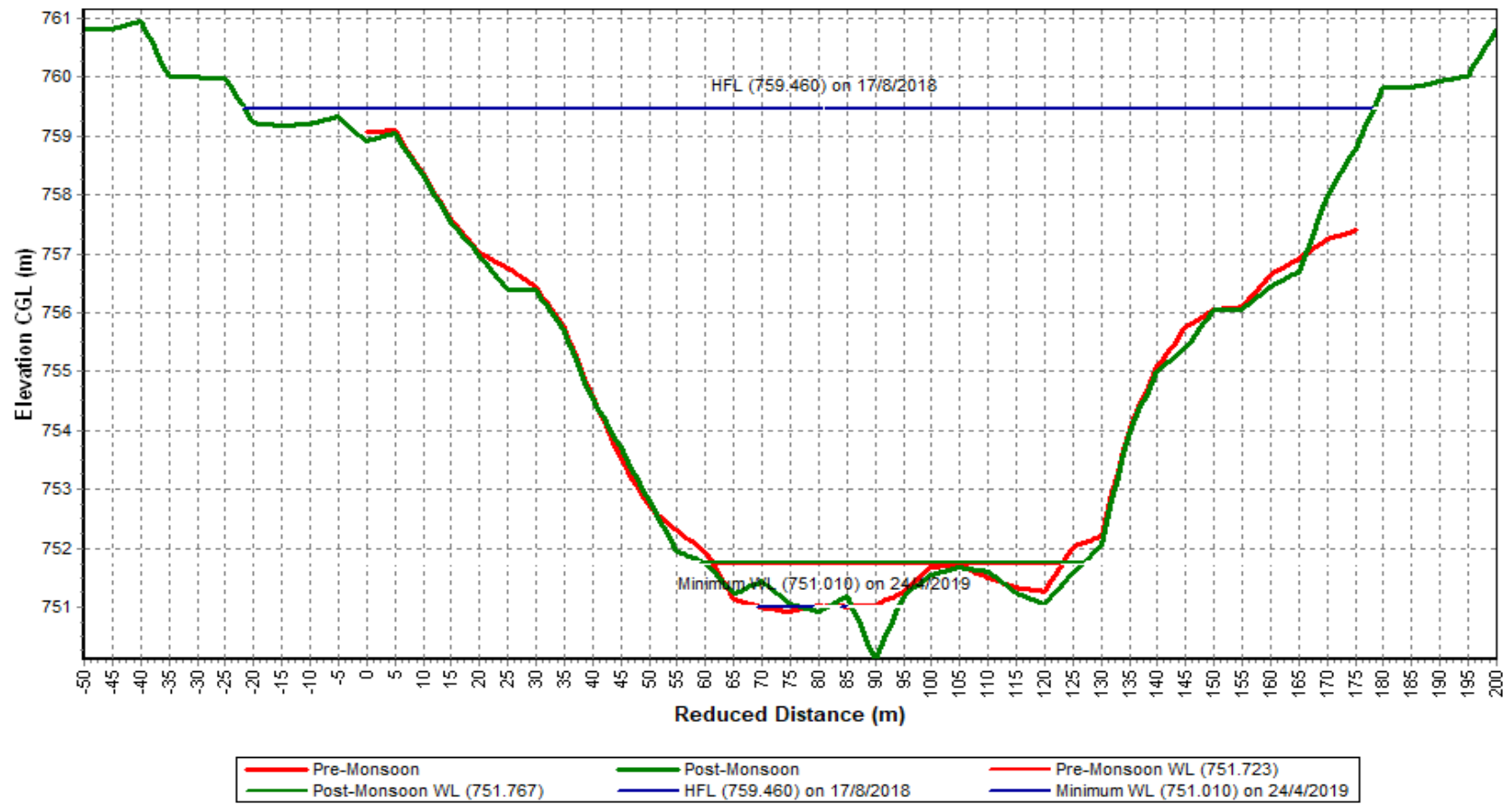
Station Name : Chunchunkatte (CC000V7)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

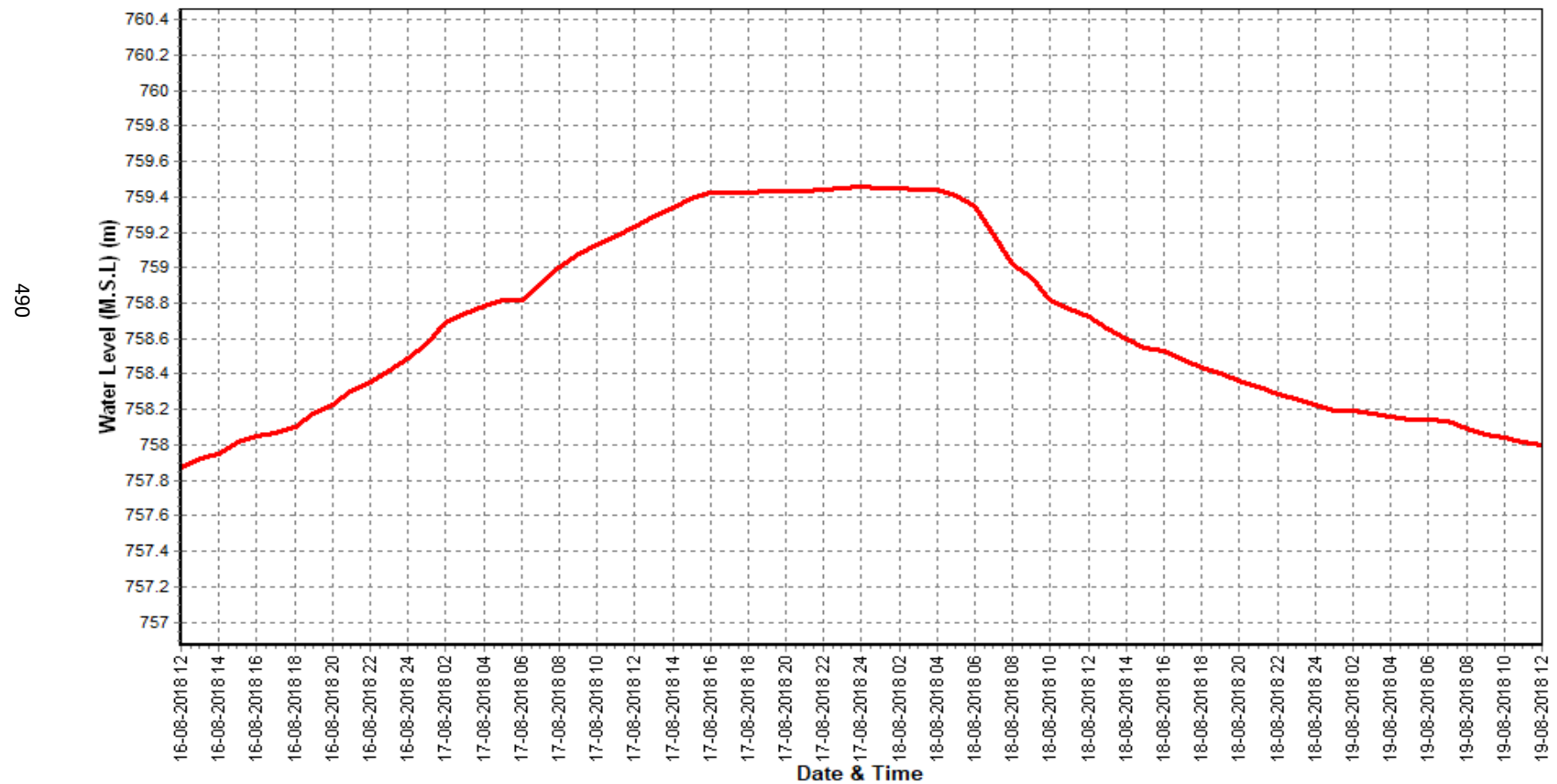
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Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : Chunchunkatte (CC000V7)
Local River : Cauvery

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Time Span: 72 Hrs

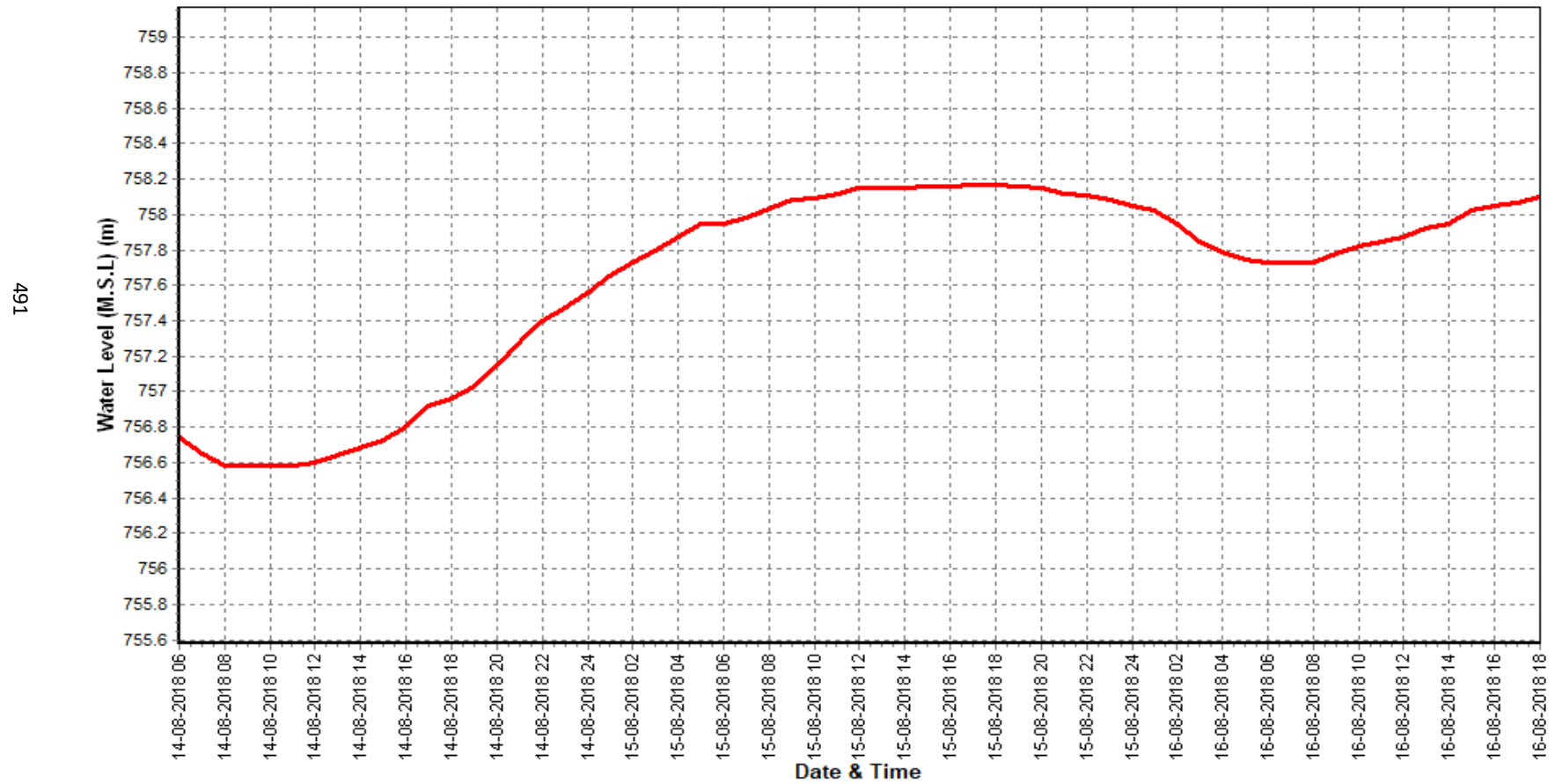
Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : Chunchunkatte (CC000V7)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

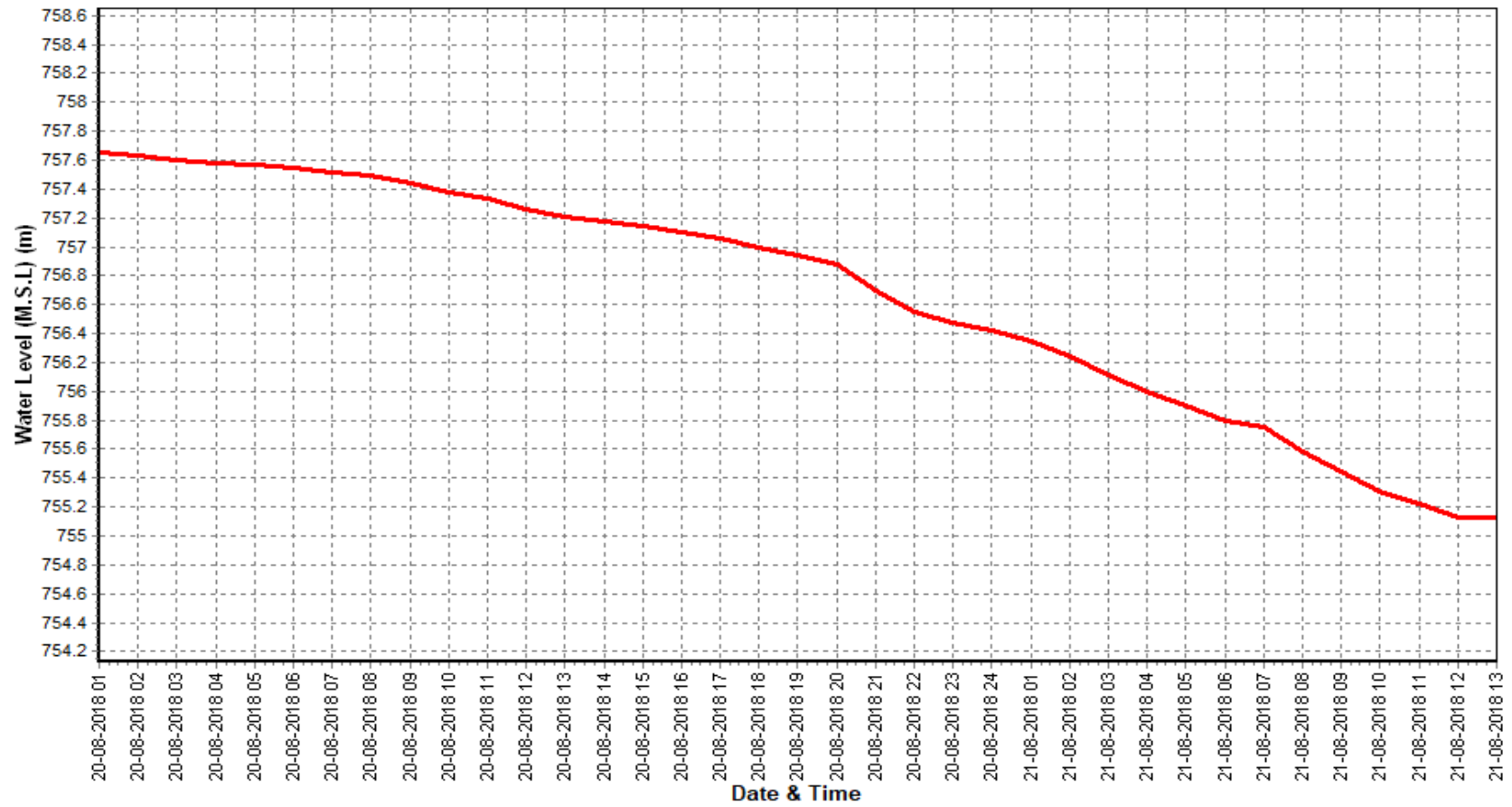
Station Name : Chunchunkatte (CC000V7)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

492



Time Span: 72 Hrs

HISTORY SHEET

Water Year : 2018-2019

Site : Kudige

Code : CC000Y5

State : Karnataka

District : Coorg

Basin : Cauvery

Independent River : Cauvery

Tributary : -

Sub Tributary :

Sub-Sub Tributary :

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

Drainage Area : 1934 Sq. Km.

Bank : Left

Latitude : 12°30'09"

Longitude : 75°57'40"

Zero of Gauge (m) : 809.000 (m.s.l)

01-11-73

Opening Date

Closing Date

Gauge : 01-11-73

Discharge : 01-11-73

Sediment : 01-11-73

Water Quality : 01-06-78

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1974-1975	1435	818.780	27-07-74	0.200	811.040	18-04-75
1975-1976	1522	818.455	14-08-75	1.400	811.122	30-05-76
1976-1977	739.4	816.130	04-08-76	1.700	811.195	01-06-76
1977-1978	1190	817.290	26-07-77	4.900	811.380	08-06-77
1978-1979	1434	817.300	01-08-78	5.300	811.350	18-02-79
1979-1980	1435	819.357	03-08-79	2.800	811.205	29-03-80
1980-1981	2265	820.410	03-07-80	2.100	811.060	27-05-81
1981-1982	1546	818.510	18-08-81	3.100	811.145	02-06-81
1982-1983	1072	817.280	03-08-82	2.900	811.150	10-03-83
1983-1984	912.0	816.640	23-07-83	1.200	811.000	11-06-83
1984-1985	1463	818.285	03-07-84	2.000	811.095	01-06-84
1985-1986	985.9	817.100	29-06-85	0.800	811.090	12-04-86
1986-1987	1776	819.080	08-08-86	1.000	811.100	02-04-87
1987-1988	279.2	813.785	27-08-87	1.050	811.110	07-04-88
1988-1989	892.0	816.515	19-07-88	1.363	811.045	20-04-89
1989-1990	1592	819.350	23-07-89	1.000	811.000	16-04-90
1990-1991	1073	817.560	17-08-90	1.950	811.115	01-04-91
1991-1992	1717	818.916	28-07-91	0.246	810.980	18-04-92
1992-1993	1464	818.272	28-07-92	3.426	811.248	08-05-93
1993-1994	942.1	816.433	04-08-93	2.301	811.148	19-03-94
1994-1995	1980	819.720	15-07-94	2.550	811.195	30-03-95

Annual Maximum / Minimum discharge with corresponding Water Level (m.s.l)

Year	Maximum			Minimum		
	Q (cumecs)	WL (m)	Date	Q (cumecs)	WL (m)	Date
1995-1996	1330	817.768	04-09-95	1.791	811.175	02-04-96
1996-1997	955.7	816.600	11-10-96	3.301	811.220	13-06-96
1997-1998	1490	818.290	08-08-97	3.720	811.195	31-03-98
1998-1999	775.0	816.020	02-07-98	3.701	811.185	11-06-98
1999-2000	1214	817.780	27-07-99	3.280	811.140	04-04-00
2000-2001	1035	816.890	15-07-00	4.123	811.130	18-05-01
2001-2002	966.6	816.900	10-07-01	2.740	810.960	15-05-02
2002-2003	939.6	816.880	17-08-02	2.228	811.190	02-06-02
2003-2004	567.4	815.325	23-08-03	0.000	811.040	01-06-03
2004-2005	1388	818.050	05-08-04	1.064	810.880	04-04-05
2005-2006	1453	818.165	01-08-05	2.155	810.980	01-06-05
2006-2007	1250	818.100	04-07-06	1.257	810.920	02-04-07
2007-2008	1409	818.610	10-08-07	2.452	811.070	10-06-07
2008-2009	1094	817.500	13-08-08	0.407	810.850	11-03-09
2009-2010	1426	818.560	18-07-09	2.324	810.990	19-03-10
2010-2011	791.1	817.180	30-07-10	3.313	811.060	26-03-11
2011-2012	634.9	816.390	03-09-11	1.896	810.930	20-03-12
2012-2013	813.1	817.250	07-08-12	1.481	810.840	24-04-13
2013-2014	1762	818.640	20-07-13	0.762	810.850	07-04-14
2014-2015	1058	817.490	02-08-14	3.637	811.010	31-03-15
2015-2016	918.2	817.080	27-06-15	0.264	810.820	29-03-16
2016-2017	709.8	815.550	30-06-16	0.506	810.880	20-03-17
2017-2018	948.0	816.230	29-08-17	1.730	810.990	05-04-18

Stage-Discharge Data for the period 2018 - 2019

Station Name : Kudige (CC000Y5)

Division : Cauvery Division, Bangalore

Local River : Cauvery

Sub-Division : Upper Cauvery SD, Bangalore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1	811.680	53.35	813.030	271.2 *	813.430	277.2	814.210	355.5 *	811.960	47.52	811.640	23.50
2	811.470	25.08	812.750	231.5	813.650	309.5	813.270	210.7 *	812.030	52.21 *	811.630	19.95
3	811.350	16.49 *	812.490	209.7	813.330	219.2 #	813.130	191.6 *	812.060	51.07	811.620	21.41
4	811.320	12.38	812.380	193.1	813.190	199.7 #	813.150	194.3 *	811.940	43.00	811.630	21.65 *
5	811.300	11.85	812.280	179.0	813.160	195.6 *	812.830	152.8 *	811.960	52.15	811.630	24.10
6	811.250	11.33	812.160	72.21	812.960	146.3	812.450	108.4 *	811.970	45.74	811.620	20.95
7	811.300	13.32	812.310	88.88	812.930	161.7	812.400	103.0 *	812.000	49.45 *	811.600	19.56
8	811.360	14.36	815.740	644.2 *	814.030	349.2	812.360	98.74 *	811.900	41.81	811.590	19.33 *
9	813.205	277.7	816.770	871.3 *	817.950	1160 *	812.320	94.54 *	811.990	53.38	811.580	17.08
10	813.890	404.3 *	817.460	1037 *	816.370	780.2 *	812.260	65.02	812.580	106.6	811.570	17.13
11	815.275	603.5	817.380	1017 *	816.230	749.1 *	812.180	60.78	812.150	59.22	811.560	17.67 *
12	815.795	725.3	817.430	1029 *	815.580	611.2 *	812.250	80.09	811.910	47.17	811.550	16.54
13	815.980	922.3 *	817.800	1122 *	818.270	1244 *	812.170	66.06 *	811.850	43.46	811.550	17.11
14	816.420	1049 *	817.850	1135 *	817.880	1143 *	812.110	62.16	811.800	33.01 *	811.540	16.90
15	816.340	1025 *	818.050	1186 *	820.710	1946 *	812.050	58.65	811.850	46.74	811.540	16.63
16	814.920	641.7 *	817.830	1130 *	820.450	1866 *	812.040	53.14 *	812.220	77.87	811.530	16.20
17	813.400	305.1 *	818.370	1270 *	822.220	2435 *	812.020	57.70	812.180	70.95	811.520	15.52
18	813.060	269.1	817.180	968.4 *	820.670	1934 *	812.020	50.97	812.060	55.04 *	811.520	15.58 *
19	812.885	228.3	815.760	648.4 *	819.830	1680 *	812.000	43.00	811.910	41.64 *	811.540	15.06
20	813.045	266.5	816.460	800.3 *	818.710	1362 *	811.960	41.99	812.060	62.56	811.540	14.87
21	813.455	323.5	816.180	738.2 *	815.430	580.8 *	811.920	42.48 *	812.050	54.09 *	811.550	17.14 *
22	813.270	281.0	816.110	722.9 *	814.710	443.0 *	811.910	31.60	811.960	49.96	811.530	13.18
23	812.820	235.3	816.430	793.6 *	815.190	533.4 *	811.880	39.19 *	811.830	41.19	811.520	15.58 *
24	812.670	176.1 *	816.390	784.6 *	814.160	347.1 *	811.940	43.17	811.780	39.73	811.520	14.11
25	812.440	216.7	817.560	1062 *	814.760	452.1 *	812.010	45.29	811.740	34.51	811.600	19.90 *
26	812.400	197.8	816.360	777.9 *	813.560	252.5 *	813.020	135.7	811.720	31.54	811.600	20.01
27	812.480	221.3	815.250	457.8	813.410	230.5 *	812.620	120.8	811.700	28.69	811.560	16.09
28	814.480	482.4	814.770	392.5	814.110	338.8 *	812.460	101.1	811.680	24.74 *	811.530	14.92
29	814.795	535.1	813.800	289.0 *	814.020	324.1 *	812.160	70.38	811.670	21.94	811.500	13.33
30	813.755	366.2	813.570	282.9	814.450	396.6 *	812.120	60.92 *	811.650	23.95	811.490	13.52
31			813.460	268.2	814.350	379.3 *			811.640	24.10		
Ten-Daily Mean												
I Ten-Daily	811.813	84.02	813.737	379.8	814.100	379.8	812.838	157.5	812.039	54.29	811.611	20.47
II Ten-Daily	814.712	603.6	817.411	1031	819.055	1497	812.080	57.45	811.999	53.77	811.539	16.21
III Ten-Daily	813.256	303.5	815.444	597.2	814.377	388.9	812.204	69.06	811.765	34.04	811.540	15.78
Monthly												
Min.	811.250	11.33	812.160	72.21	812.930	146.3	811.880	31.60	811.640	21.94	811.490	13.18
Max.	816.420	1049	818.370	1270	822.220	2435	814.210	355.5	812.580	106.6	811.640	24.10
Mean	813.260	330.4	815.528	666.9	815.797	743.5	812.374	94.66	811.929	46.94	811.563	17.48

Annual Runoff in MCM = 5137 Annual Runoff in mm = 2656

Peak Observed Discharge = 725.3 cumecs on 12-06-2018 Corres. Water Level :815.795 m

Lowest Observed Discharge = 0.470 cumecs on 23-03-2019 Corres. Water Level :810.88 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

#:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Kudige (CC000Y5)

Division : Cauvery Division, Bangalore

Local River : Cauvery

Sub-Division : Upper Cauvery SD, Bangalore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	811.490	12.43	811.310	12.07 *	811.170	3.659	811.010	1.975	811.040	2.946	811.030	2.511
2	811.480	11.19 *	811.300	11.33 *	811.160	3.525	811.010	2.006	811.070	3.887	811.020	2.211
3	811.480	12.36	811.290	9.701	811.160	3.596 *	811.000	1.965 *	811.070	3.790	811.010	2.146
4	811.470	12.30	811.280	9.501	811.150	3.330	810.990	1.300	811.060	3.551	811.000	1.813
5	811.460	11.43	811.270	9.418	811.150	3.278	810.940	1.328	811.060	3.490	811.000	1.965 *
6	811.470	12.25	811.260	8.627 *	811.150	3.239	810.930	1.185	811.050	3.244	810.990	1.775
7	811.460	10.18	811.250	9.290	811.150	3.326	810.920	1.047	811.060	3.049 *	810.990	2.221
8	811.470	10.28	811.250	9.323	811.170	3.758	810.920	1.049	811.080	4.157	811.000	1.850
9	811.480	11.19 *	811.240	9.144	811.180	3.940	810.910	0.965	811.080	4.090	811.030	2.643
10	811.460	10.23	811.240	8.929	811.190	4.855 *	810.910	0.831 *	811.030	2.519	811.000	1.613
11	811.440	10.04	811.240	8.592	811.180	3.816	811.140	5.116	810.980	1.381	811.010	1.880
12	811.430	9.939	811.240	9.537	811.160	3.441	811.260	10.58	810.970	1.211	811.010	2.126 *
13	811.420	9.824	811.240	7.426 *	811.140	3.147	811.390	13.72	810.980	1.354	811.000	1.627
14	811.420	9.785	811.240	7.347	811.130	2.937	811.380	13.49	811.030	2.472 *	811.060	3.284
15	811.400	9.681	811.230	6.863 *	811.120	2.886	811.550	19.13	811.070	3.762	811.010	1.972
16	811.390	10.42 *	811.230	6.494	811.110	4.211	811.560	19.41	811.070	3.702	810.990	1.514
17	811.380	11.28	811.220	5.592	811.110	4.171 *	811.550	24.17 *	811.010	2.126 *	811.000	1.795
18	811.370	10.01	811.220	5.998	811.100	4.245	811.550	19.19	811.000	1.965 *	811.000	1.965 *
19	811.360	10.41	811.210	5.449	811.100	4.340	811.210	6.346	811.040	2.656 *	810.990	1.810 *
20	811.350	10.47	811.210	5.813 *	811.090	4.214	811.020	2.078	811.050	3.160	810.990	1.581
21	811.340	10.29	811.210	5.005	811.080	4.032	810.990	1.386	811.160	5.503 *	810.980	1.222
22	811.340	10.09	811.200	4.895	811.080	4.058	810.940	1.438	811.170	6.983	810.970	1.524 #
23	811.340	10.01 *	811.200	4.473	811.070	3.797	810.880	0.470	811.140	5.348	811.010	1.935
24	811.340	10.15	811.190	4.952	811.050	2.848 *	810.900	0.740 *	811.110	4.553	811.020	2.054
25	811.340	10.01 *	811.190	4.523	811.040	2.904	810.980	1.267	811.090	4.124	811.120	5.019
26	811.330	10.02	811.180	4.412 *	811.040	2.859	811.000	1.787	811.060	3.323	811.450	17.88 *
27	811.320	9.913	811.180	4.412 *	811.030	2.494	811.030	2.504	811.030	2.461	811.470	19.05 #
28	811.330	10.01	811.180	4.303	811.020	2.190	811.030	2.446	811.040	2.656 *	811.130	5.337
29	811.320	9.869	811.180	4.244			811.030	2.384	811.030	2.481	811.040	2.608
30	811.320	9.842 *	811.180	3.750			811.020	2.193	811.080	3.864	811.020	2.108
31	811.310	9.792	811.170	3.683			811.020	2.296 *			811.020	2.190
Ten-Daily Mean												
I Ten-Daily	811.472	11.38	811.269	9.733	811.163	3.651	810.954	1.365	811.060	3.472	811.007	2.075
II Ten-Daily	811.396	10.18	811.228	6.911	811.124	3.741	811.361	13.32	811.020	2.379	811.006	1.955
III Ten-Daily	811.330	9.999	811.187	4.423	811.051	3.148	810.984	1.719	811.091	4.130	811.112	5.539
Monthly												
Min.	811.310	9.681	811.170	3.683	811.020	2.190	810.880	0.470	810.970	1.211	810.970	1.222
Max.	811.490	12.43	811.310	12.07	811.190	4.855	811.560	24.17	811.170	6.983	811.470	19.05
Mean	811.397	10.51	811.227	6.939	811.117	3.539	811.096	5.348	811.057	3.327	811.044	3.265

Peak Computed Discharge = 2435 cumecs on 17-08-2018

Corres. Water Level :822.22 m

Lowest Computed Discharge = 0.740 cumecs on 24-03-2019

Corres. Water Level :810.9 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

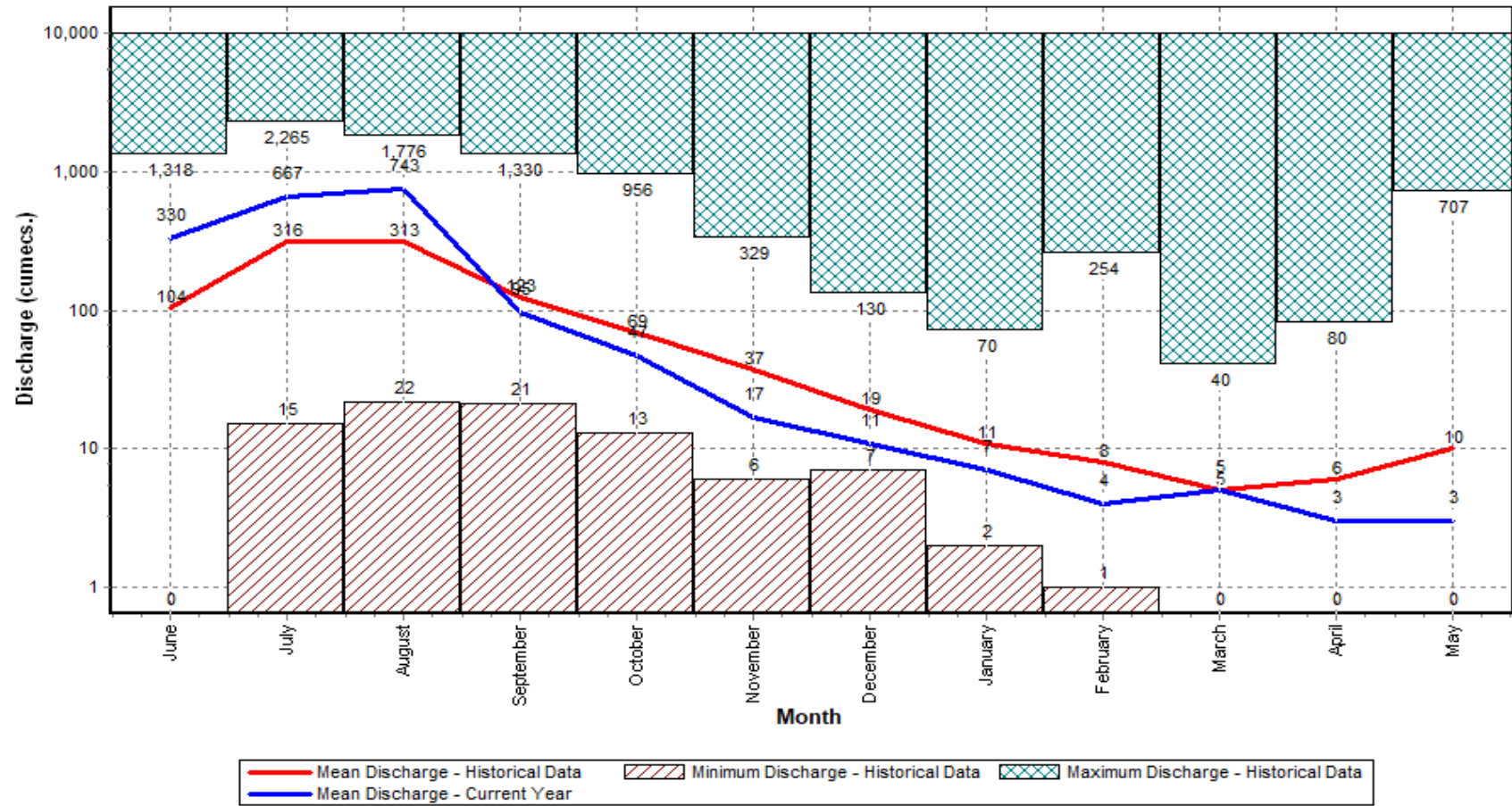
Note:Missing values ignored while arriving at Annual Runoff

HISTOGRAM - HYDROGRAPH for Water Year : 2018-2019

Station Name : Kudige (CC000Y5)
Local River : Cauvery

Data considered : 1974-2019

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



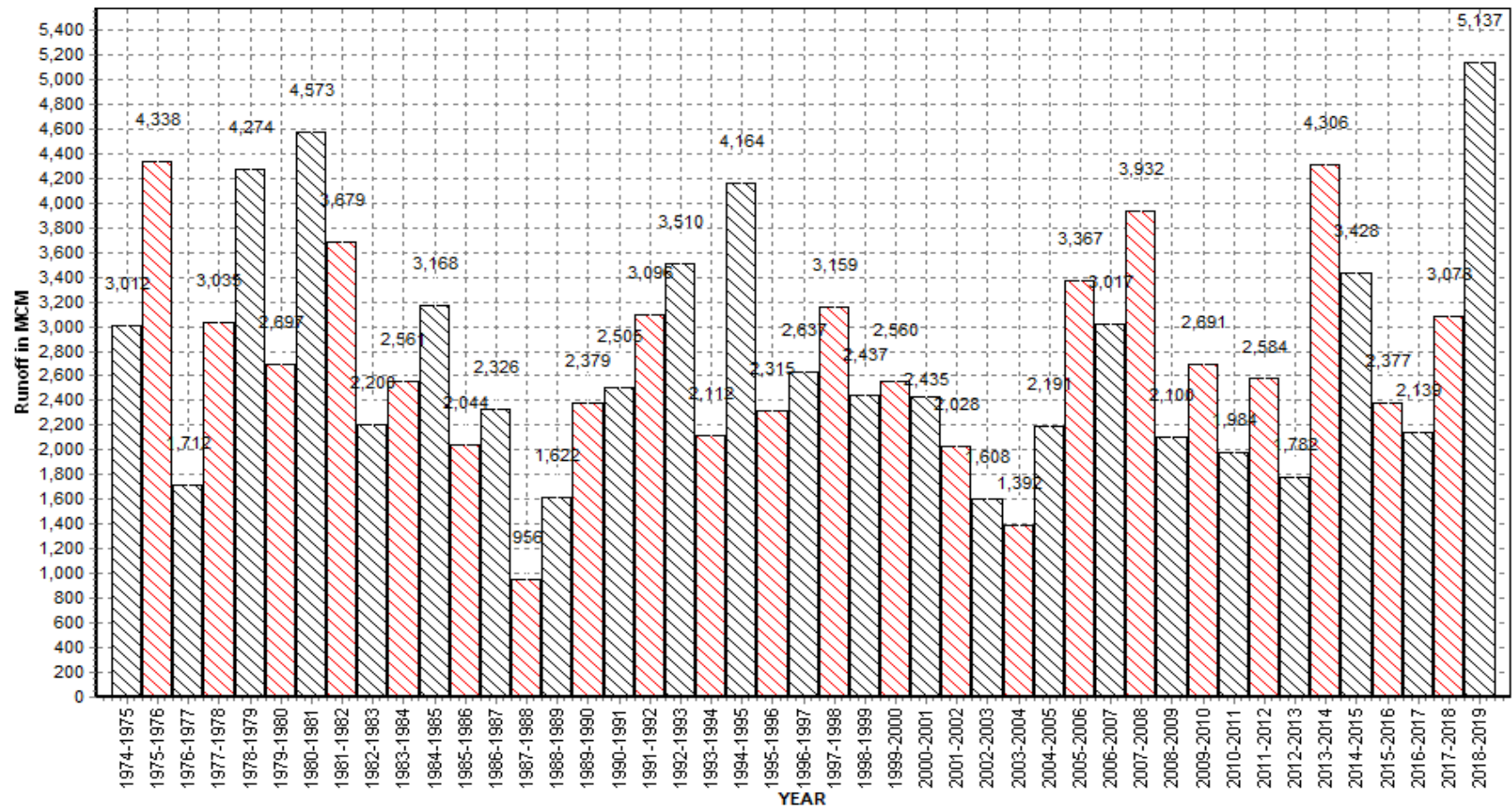
Annual Runoff Values for the period: 1974 - 2019

Station Name : Kudige (CC000Y5)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

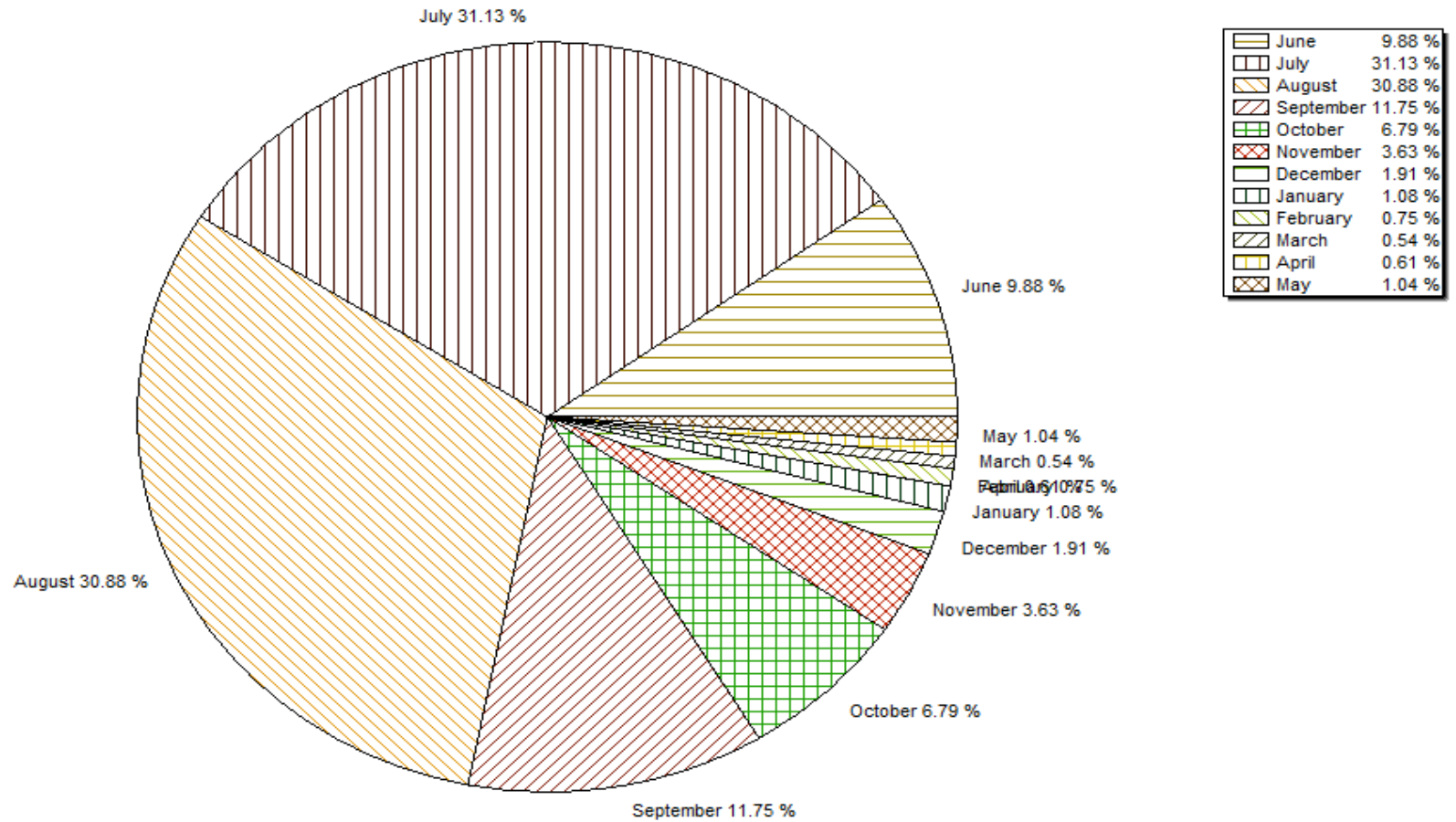


Note: Missing values have not been considered while arriving at Annual Runoff

Monthly Average Runoff based on period : 1974-2018

Station Name : Kudige (CC000Y5)
Local River : Cauvery

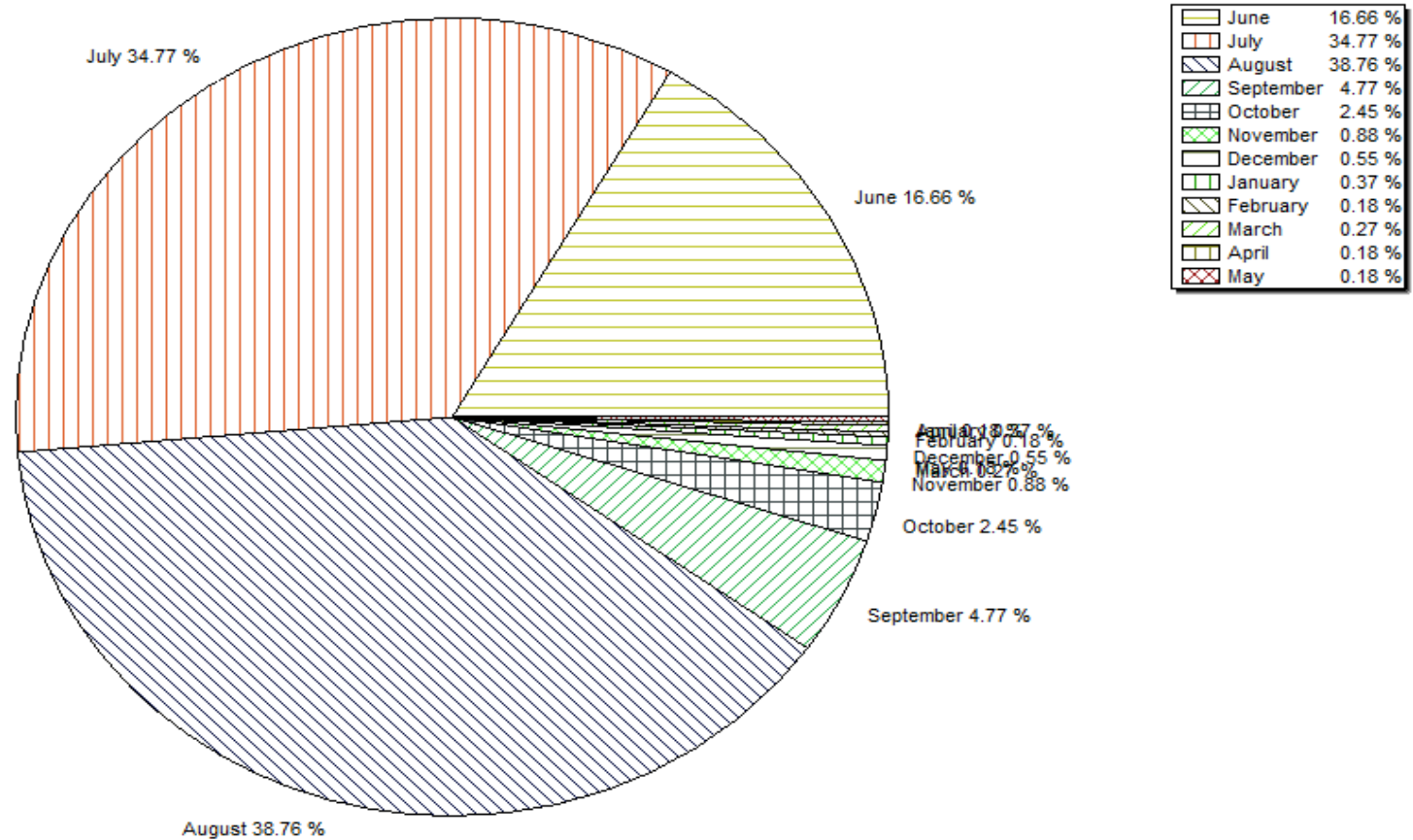
Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Station Name : Kudige (CC000Y5)
Local River : Cauvery

Monthly Runoff for the Year : 2018-2019

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

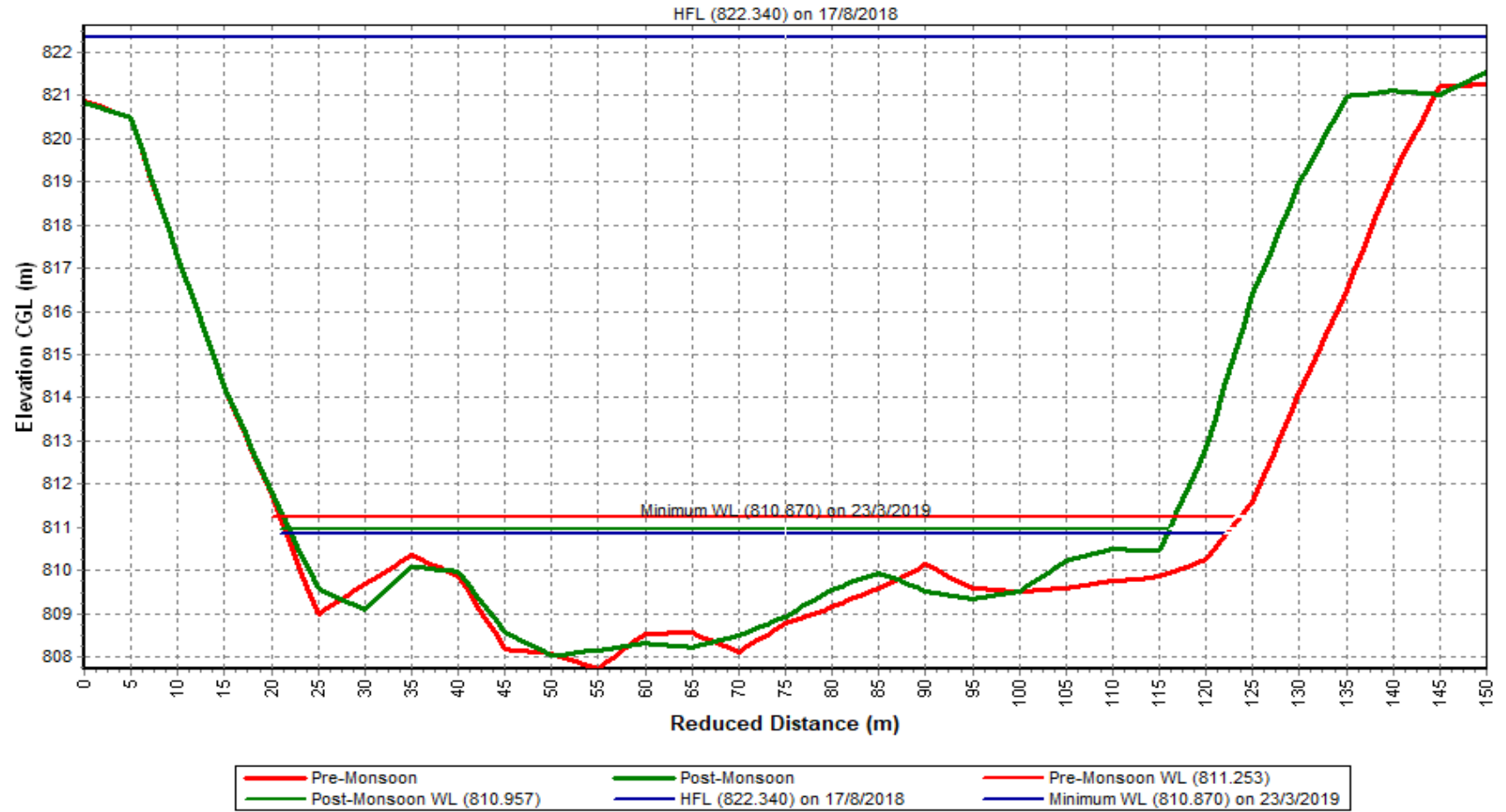


Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : Kudige (CC000Y5)
Local River : Cauvery

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

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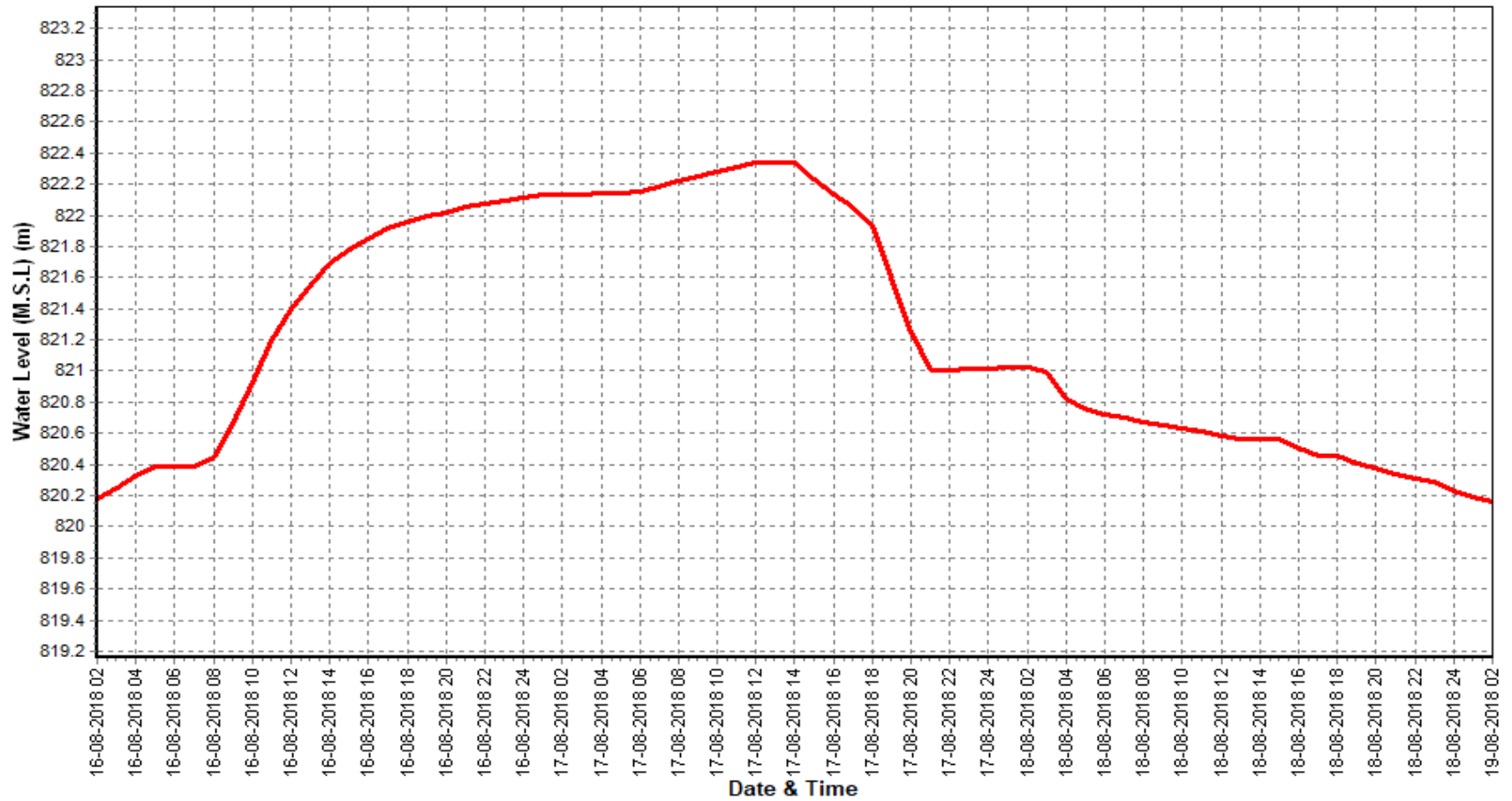
Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : Kudige (CC000Y5)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



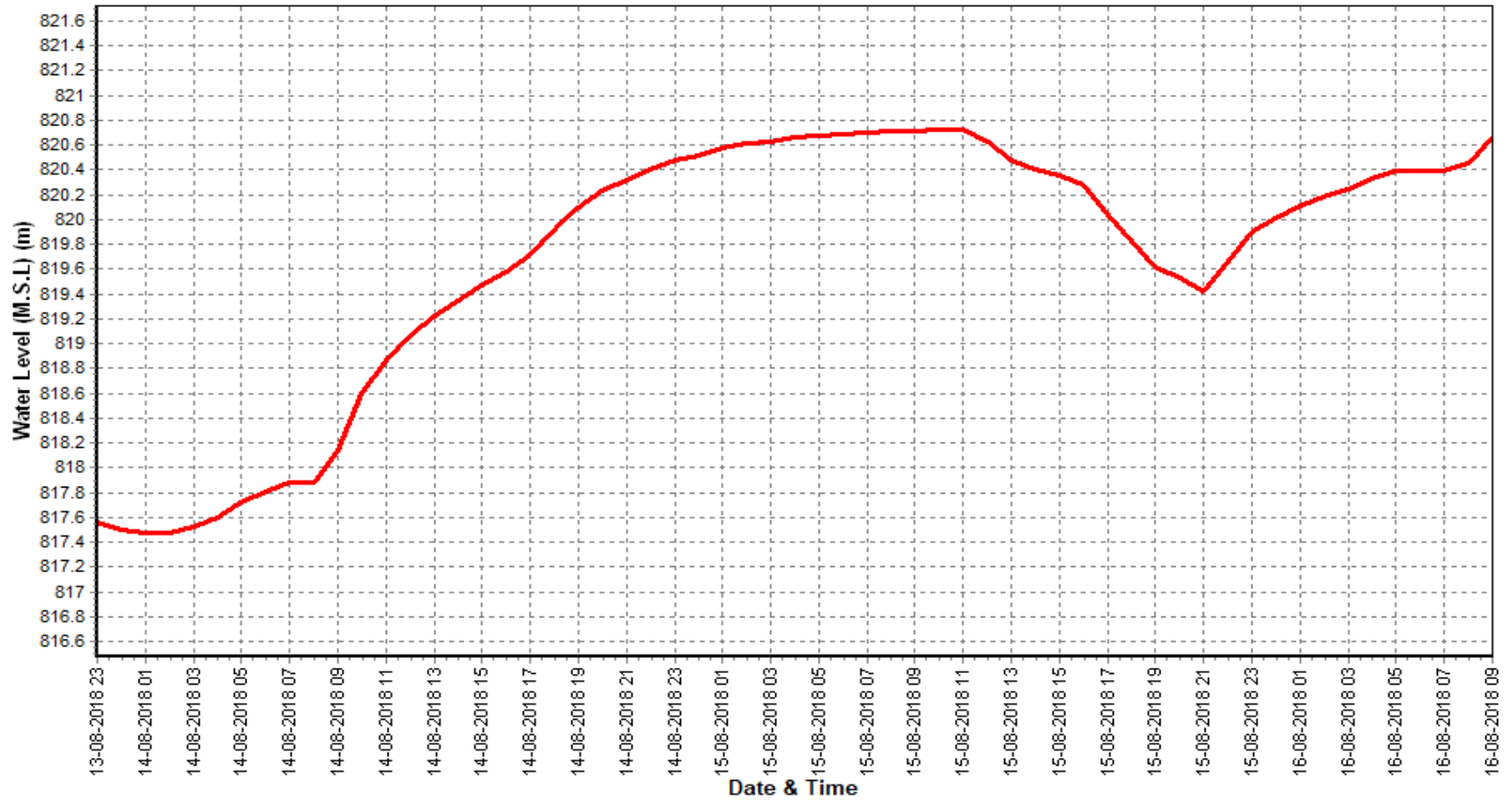
Time Span: 72 Hrs

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : Kudige (CC000Y5)
Local River : Cauvery

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

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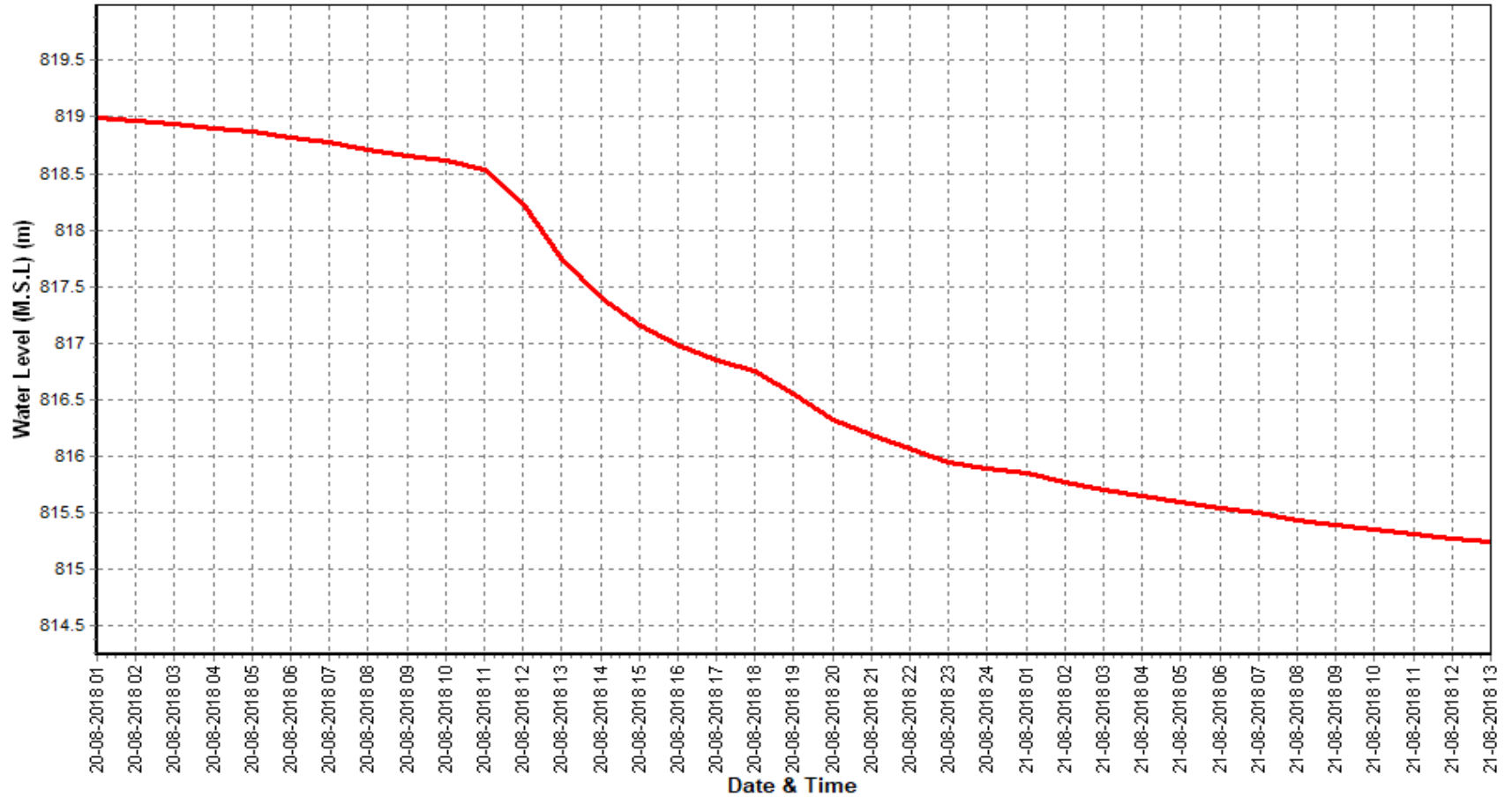


Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : Kudige (CC000Y5)
Local River : Cauvery

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Time Span: 72 Hrs

HISTORY SHEET

		Water Year	: 2018-2019
Site	: MUKKODLU	Code	: 0044-CDBNG
State	: Karnataka	District	Kodagu
Basin	: Cauvery	Independent River	: Cauvery
Tributary	:	Sub Tributary	:
Sub-Sub Tributary	:	Local River	: Harangi
Division	: Cauvery Division, Bangalore	Sub-Division	: Upper Cauvery SD, Bangalore
Drainage Area	: 103.56 Sq. Km.	Bank	: Left
Latitude	: 12°29'26"	Longitude	: 75°46'18"
Zero of Gauge (m)	: 884.000 (Arb)	31-01-2017	
	Opening Date	Closing Date	
Gauge	: 31-01-2017		
Discharge	: 01-11-2018		
Sediment	:		
Water Quality	:		

Stage-Discharge Data for the period 2018 - 2019

Station Name : MUKKODLU (0044-CDBNG)

Division : Cauvery Division, Bangalore

Local River : Harangi

Sub-Division : Upper Cauvery SD, Bangalore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1											884.770	4.426
2											884.770	4.459
3											884.760	4.447
4											884.745	4.519 *
5											884.735	4.203
6											884.720	4.184
7											884.710	4.216
8											884.700	4.105 *
9											884.700	4.230
10											884.690	4.192
11											884.680	3.928 *
12											884.670	4.252
13											884.665	4.254
14											884.660	4.078
15											884.650	4.107
16											884.645	4.056
17											884.645	4.103
18											884.640	3.585 *
19											884.635	3.410
20											884.620	3.300
21											884.620	3.418 *
22											884.615	3.183
23											884.610	3.337 *
24											884.620	3.422
25											884.670	3.840 *
26											884.625	3.356
27											884.610	3.070
28											884.600	3.035
29											884.600	3.132
30											884.600	2.917
31												
Ten-Daily Mean												
I Ten-Daily											884.730	4.298
II Ten-Daily											884.651	3.907
III Ten-Daily											884.617	3.271
Monthly												
Min.											884.600	2.917
Max.											884.770	4.519
Mean											884.666	3.825

Annual Runoff in MCM = 27 Annual Runoff in mm = 256

Peak Observed Discharge = 4.459 cumecs on 02-11-2018 Corres. Water Level :884.77 m

Lowest Observed Discharge = 0.254 cumecs on 28-03-2019 Corres. Water Level :884.4 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

#:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : MUKKODLU (0044-CDBNG)

Division : Cauvery Division, Bangalore

Local River : Harangi

Sub-Division : Upper Cauvery SD, Bangalore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	884.600	2.869	884.545	1.881	884.500	1.246	884.460	0.598	884.420	0.437	884.430	0.563
2	884.595	2.811 *	884.545	1.867	884.500	1.218	884.460	0.571	884.420	0.423	884.430	0.487
3	884.590	2.802	884.540	1.810	884.500	1.185 *	884.450	0.626 *	884.410	0.314 #	884.410	0.523
4	884.590	2.677	884.540	1.770	884.500	1.200	884.460	0.582	884.410	0.403	884.410	0.509
5	884.590	2.711	884.540	1.745	884.500	1.184	884.460	0.569	884.410	0.394	884.410	0.456 *
6	884.590	2.782	884.530	1.617 *	884.500	1.100	884.450	0.551	884.410	0.386	884.410	0.535
7	884.595	2.826	884.530	1.647	884.500	1.071	884.450	0.542	884.410	0.314 *	884.410	0.509
8	884.595	2.777	884.530	1.568	884.500	0.998	884.450	0.527	884.410	0.381	884.450	0.592
9	884.585	2.604 *	884.525	1.568	884.500	0.972	884.450	0.555	884.400	0.254 #	884.450	0.573
10	884.580	2.645	884.525	1.530	884.490	1.057 *	884.450	0.626 *	884.420	0.400	884.440	0.546
11	884.580	2.628	884.525	1.515	884.490	0.962	884.460	0.618	884.430	0.434	884.440	0.537
12	884.575	2.245	884.525	1.504	884.490	0.896	884.490	1.057 #	884.570	0.692	884.430	0.484 *
13	884.575	2.651	884.525	1.540 *	884.490	0.927	884.460	0.636	884.570	0.677	884.430	0.502
14	884.575	2.545	884.525	1.649	884.470	0.879	884.450	0.612	884.560	0.692 *	884.420	0.482
15	884.570	2.547	884.525	1.540 *	884.470	0.865	884.440	0.494	884.510	0.658	884.420	0.475
16	884.570	2.309 *	884.520	1.635	884.470	0.858	884.440	0.473	884.510	0.638	884.410	0.465
17	884.565	2.514	884.520	1.622	884.480	0.938 *	884.430	0.455 *	884.510	0.607 *	884.420	0.479
18	884.565	2.478	884.520	1.600	884.470	0.885	884.440	0.497	884.520	0.624 *	884.450	0.513 *
19	884.560	2.473	884.520	1.611	884.470	0.834	884.430	0.473	884.520	0.624 *	884.440	0.499 *
20	884.560	2.441	884.520	1.465 *	884.460	0.800	884.430	0.452	884.550	0.650	884.440	0.472
21	884.560	2.110	884.515	1.588	884.460	0.776	884.430	0.499	884.550	0.675 *	884.430	0.461
22	884.560	2.136	884.510	1.238	884.450	0.741	884.440	0.487	884.540	0.632	884.430	0.443
23	884.550	1.946 *	884.510	1.216	884.450	0.687	884.430	0.474	884.520	0.611	884.410	0.428
24	884.560	2.125	884.510	1.194	884.450	0.626 *	884.430	0.455 *	884.510	0.589	884.410	0.406
25	884.550	1.946 *	884.510	1.194	884.450	0.670	884.430	0.465	884.510	0.577	884.410	0.397
26	884.550	2.067	884.510	1.321 *	884.450	0.643	884.430	0.460	884.510	0.566	884.400	0.442 *
27	884.550	2.030	884.500	1.185 *	884.450	0.627	884.410	0.314 #	884.400	0.553	884.400	0.384
28	884.550	1.975	884.500	1.178	884.460	0.612	884.400	0.254 #	884.430	0.484 *	884.400	0.373
29	884.550	1.940	884.500	1.162			884.400	0.254 #	884.410	0.526	884.400	0.346
30	884.550	1.946 *	884.500	1.152			884.400	0.254 #	884.430	0.579	884.400	0.347
31	884.550	1.910	884.500	1.133			884.410	0.314 *			884.410	0.350
Ten-Daily Mean												
I Ten-Daily	884.591	2.750	884.535	1.700	884.499	1.123	884.454	0.575	884.412	0.371	884.425	0.529
II Ten-Daily	884.569	2.483	884.522	1.568	884.476	0.884	884.447	0.577	884.525	0.630	884.430	0.491
III Ten-Daily	884.553	2.012	884.506	1.233	884.453	0.673	884.419	0.385	884.481	0.579	884.409	0.398
Monthly												
Min.	884.550	1.910	884.500	1.133	884.450	0.612	884.400	0.254	884.400	0.254	884.400	0.346
Max.	884.600	2.869	884.545	1.881	884.500	1.246	884.490	1.057	884.570	0.692	884.450	0.592
Mean	884.570	2.402	884.521	1.492	884.478	0.909	884.439	0.508	884.473	0.526	884.421	0.47

Peak Computed Discharge = 4.519 cumecs on 04-11-2018

Corres. Water Level :884.745 m

Lowest Computed Discharge = 0.314 cumecs on 31-03-2019

Corres. Water Level :884.41 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

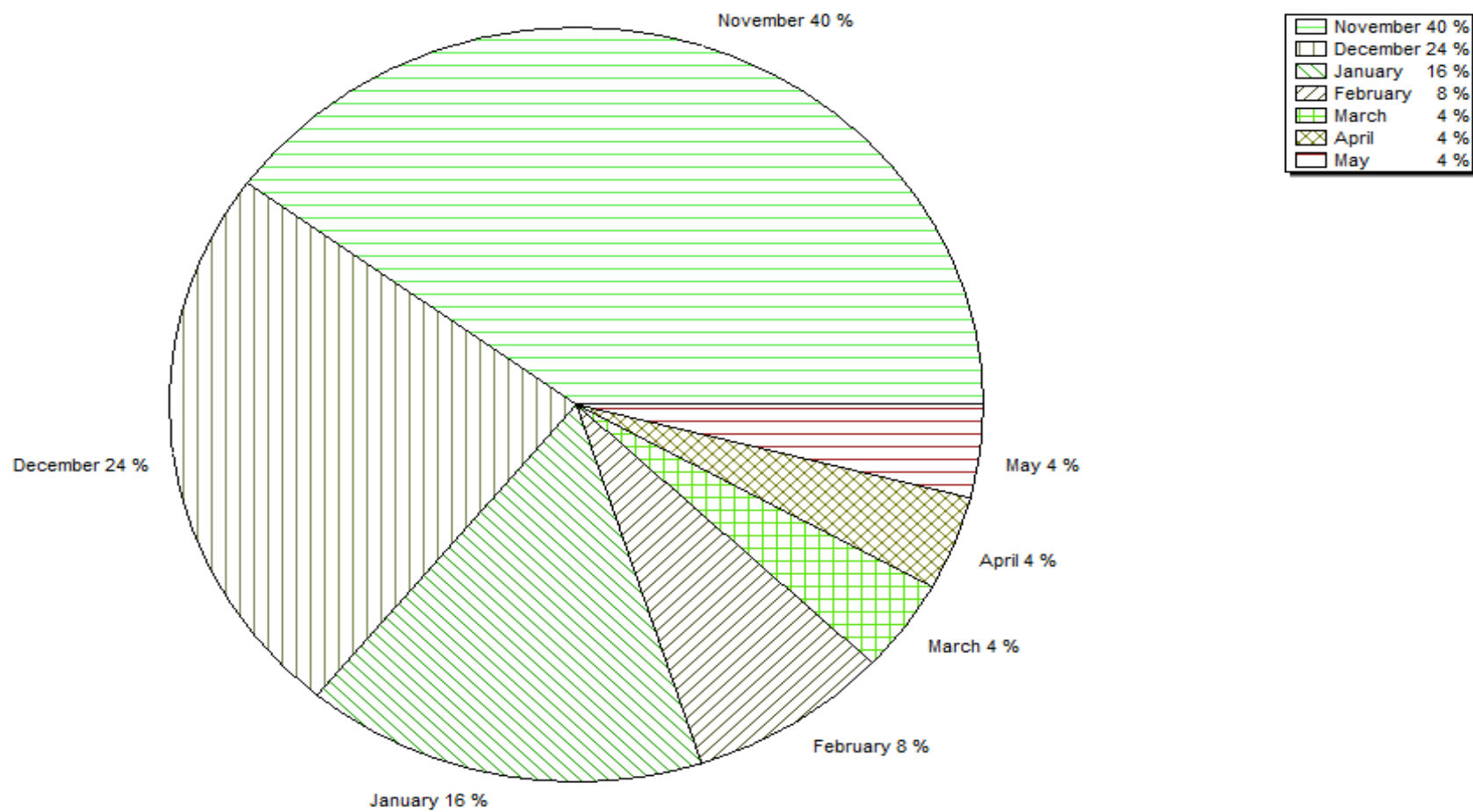
#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Station Name : MUKKODLU (0044-CDBNG)
Local River : Harangi

Monthly Runoff for the Year : 2018-2019

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

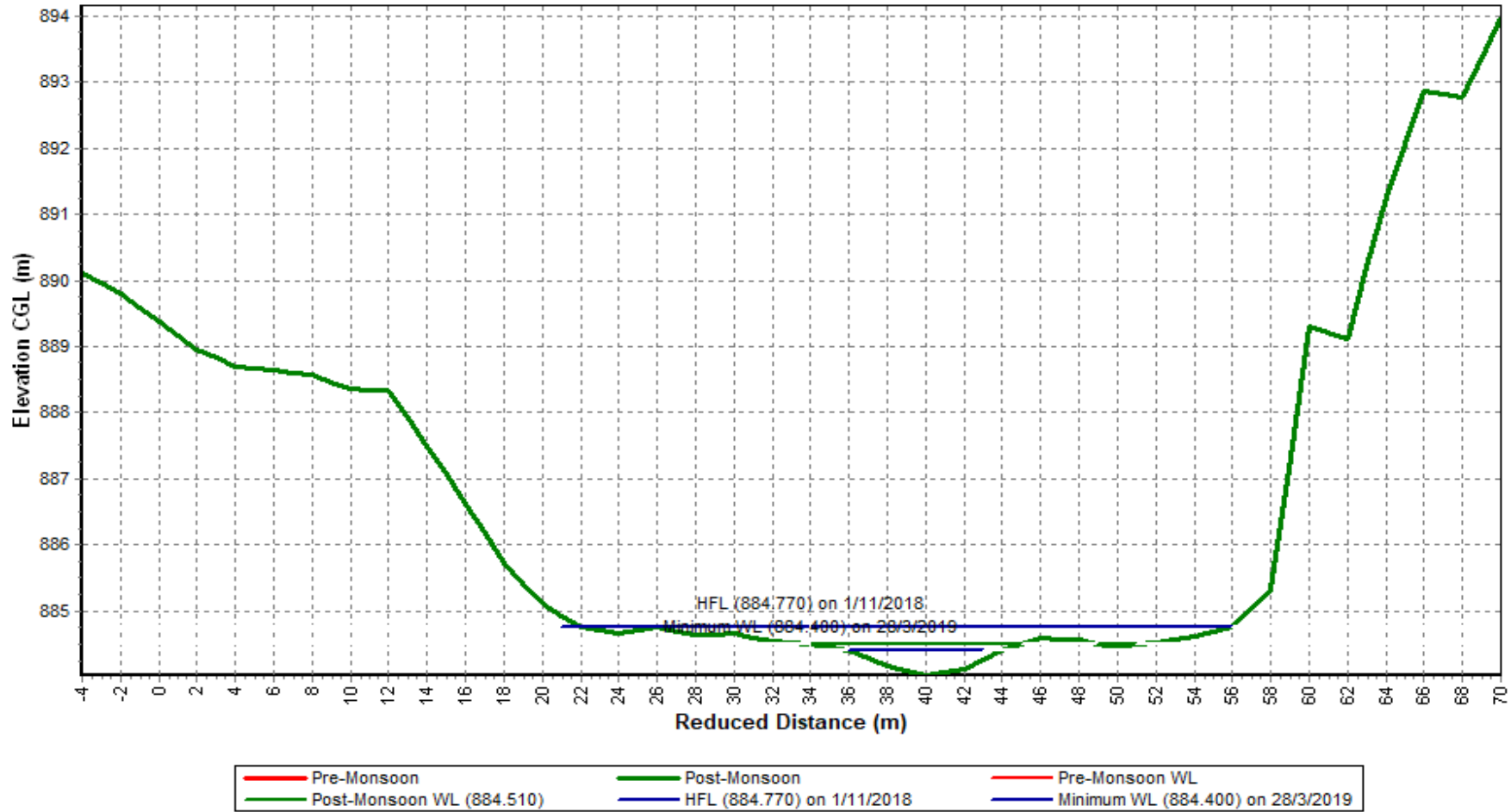


Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : MUKKODLU (0044-CDBNG)
Local River : Harangi

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

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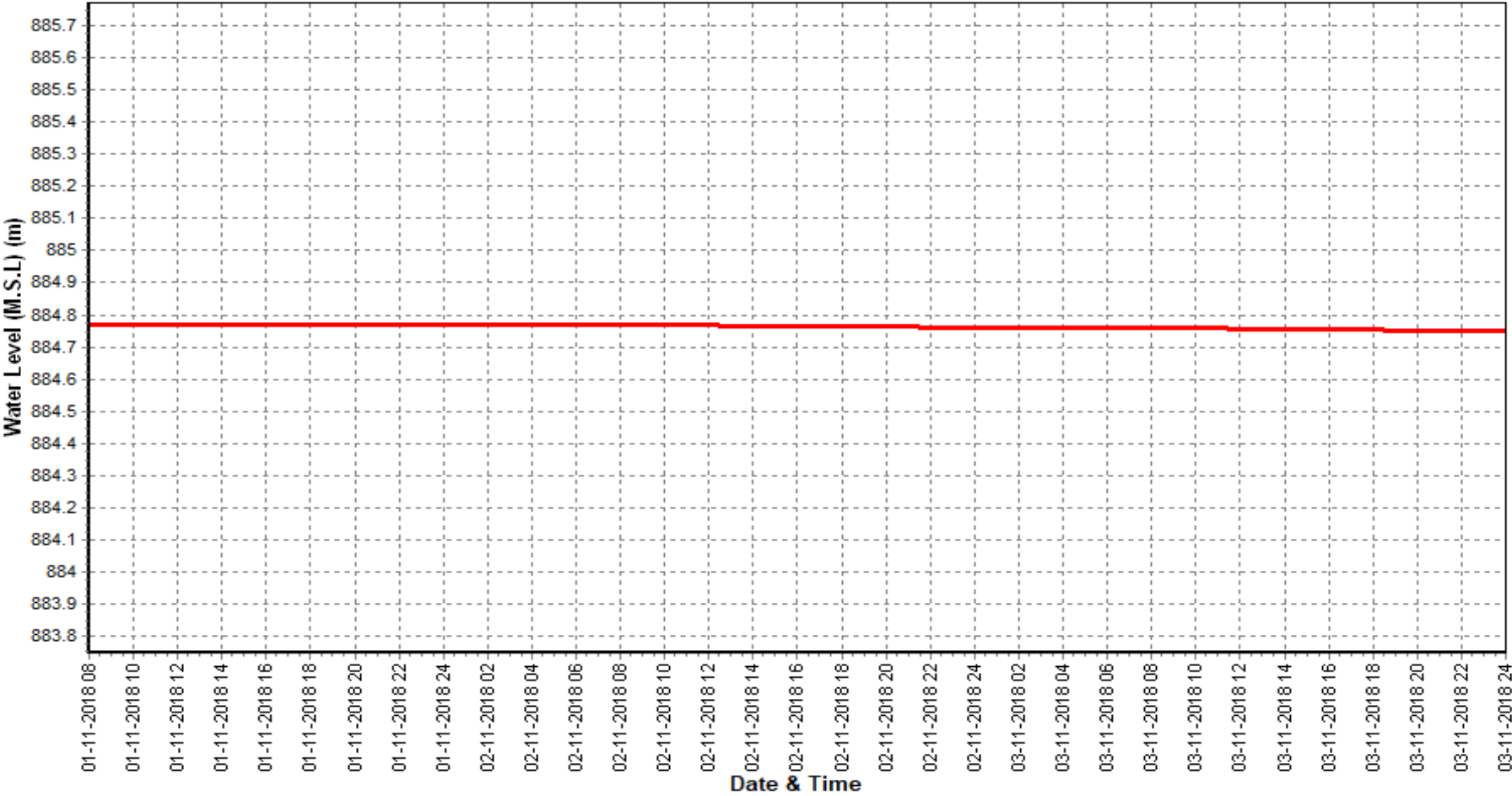


Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : MUKKODLU (0044-CDBNG)
Local River : Harangi

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

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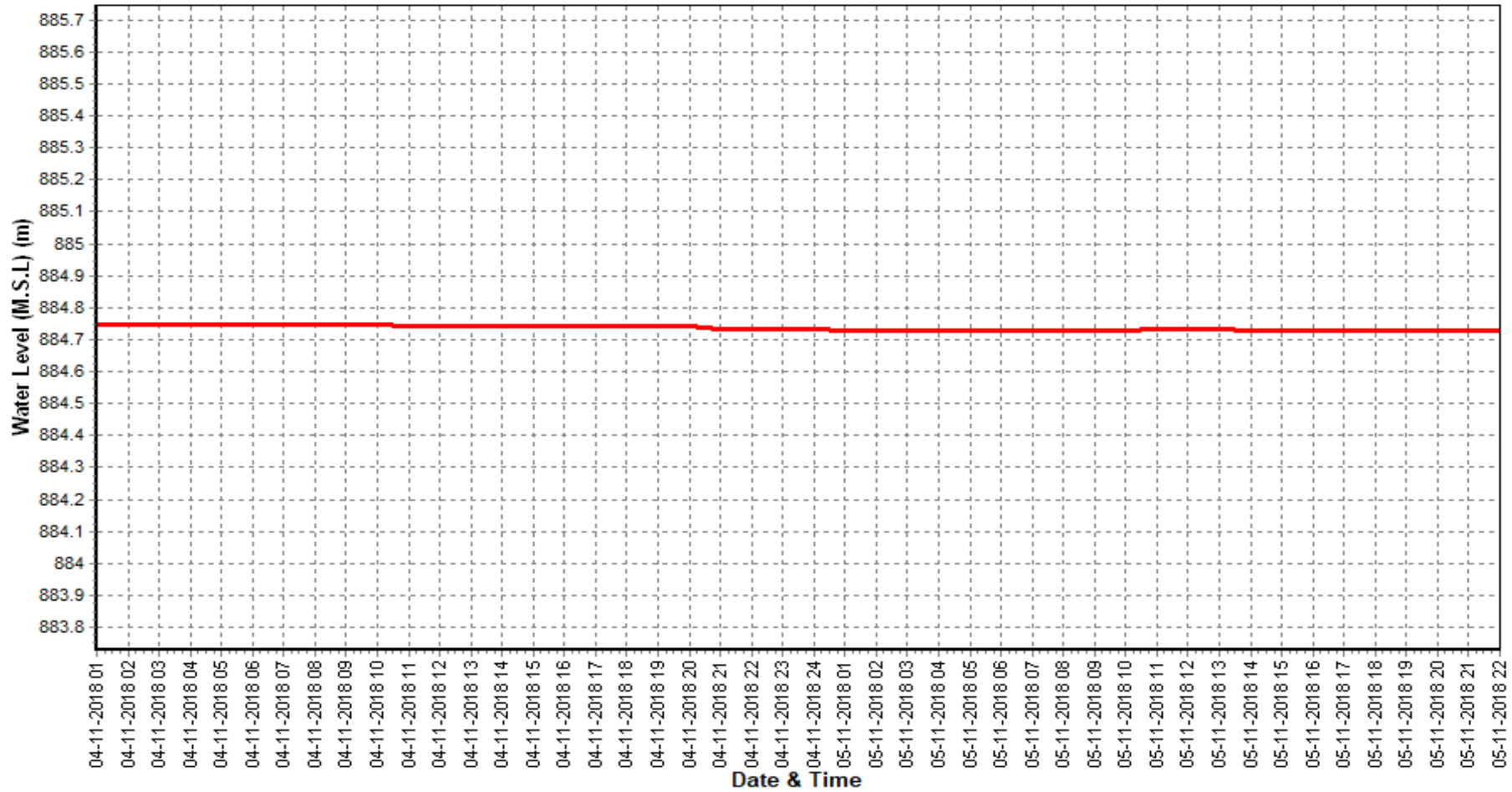
Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

Station Name : MUKKODLU (0044-CDBNG)

Local River : Harangi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



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Time Span: 72 Hrs

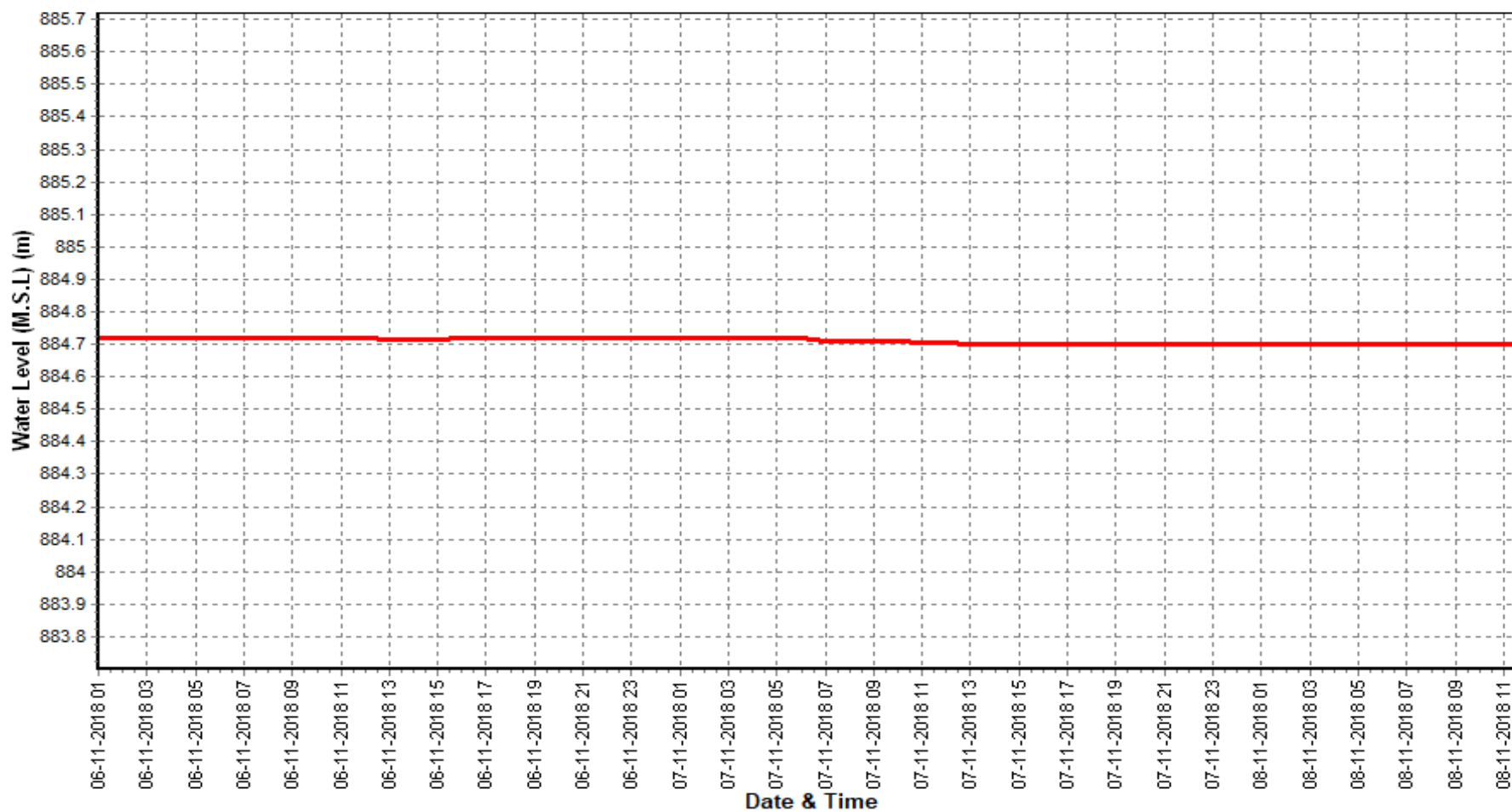
Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

Station Name : MUKKODLU (0044-CDBNG)

Local River : Harangi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



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Time Span: 72 Hrs

HISTORY SHEET

		Water Year	: 2018-2019
Site	: Napoklu	Code	: 0035-CDBNG
State	: Karnataka	District	Kodagu
Basin	: Cauvery	Independent River	: Cauvery
Tributary	:	Sub Tributary	:
Sub-Sub Tributary	:	Local River	: Cauvery
Division	: Cauvery Division, Bangalore	Sub-Division	: Upper Cauvery SD, Bangalore
Drainage Area	: 335 Sq. Km.	Bank	: Right
Latitude	: 12°18'51"	Longitude	: 75°41'54"
Zero of Gauge (m)	: 861.00 (Arb)	01-11-2018	
	Opening Date	Closing Date	
Gauge	: 22-08-2014		
Discharge	: 01-11-2018		
Sediment	:		
Water Quality	:		

Stage-Discharge Data for the period 2018 - 2019

Station Name : Napoklu (0035-CDBNG)

Division : Cauvery Division, Bangalore

Local River : Cauvery

Sub-Division : Upper Cauvery SD, Bangalore

Day	Jun		Jul		Aug		Sep		Oct		Nov	
	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q	W.L	Q
1											861.870	5.694
2											861.860	5.929
3											861.850	5.920
4											861.840	5.483 *
5											861.820	5.511
6											861.810	5.263
7											861.800	5.232
8											861.790	5.102 *
9											861.780	5.031
10											861.770	4.963
11											861.760	4.881 *
12											861.750	4.468
13											861.740	4.368
14											861.730	4.345
15											861.720	4.110
16											861.710	4.064
17											861.700	4.457 *
18											861.690	4.388 *
19											861.690	5.333
20											861.720	5.269
21											861.680	4.320 *
22											861.650	4.608
23											861.620	3.926 *
24											861.600	3.900
25											861.840	5.483 *
26											861.800	5.331
27											861.770	4.924
28											861.740	4.444
29											861.720	4.320
30											861.700	4.119
31												
<u>Ten-Daily Mean</u>												
I Ten-Daily											861.819	5.413
II Ten-Daily											861.721	4.568
III Ten-Daily											861.712	4.538
<u>Monthly</u>												
Min.											861.600	3.900
Max.											861.870	5.929
Mean											861.751	4.84

Annual Runoff in MCM = 37 Annual Runoff in mm = 110

Peak Observed Discharge = 5.929 cumecs on 02-11-2018 Corres. Water Level :861.86 m

Lowest Observed Discharge = 0.544 cumecs on 30-03-2019 Corres. Water Level :861.27 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Stage-Discharge Data for the period 2018 - 2019

Station Name : Napoklu (0035-CDBNG)

Division : Cauvery Division, Bangalore

Local River : Cauvery

Sub-Division : Upper Cauvery SD, Bangalore

Day	Dec		Jan		Feb		Mar		Apr		May	
	W.L	Q	WL	Q	WL	Q	WL	Q	WL	Q	WL	Q
1	861.690	4.078	861.580	3.027	861.460	1.585	861.360	0.841	861.290	0.633	861.310	0.818
2	861.680	3.890 *	861.560	2.865	861.460	1.564	861.350	0.787	861.300	0.690	861.330	0.846
3	861.670	3.833	861.550	2.714	861.460	1.691 *	861.340	0.888 *	861.300	0.691	861.330	0.852
4	861.660	3.762	861.550	2.576	861.450	1.479	861.330	0.752	861.310	0.795	861.340	0.886
5	861.660	3.874	861.550	2.469	861.450	1.448	861.320	0.702	861.310	0.782	861.340	0.888 *
6	861.670	3.953	861.550	2.475 *	861.450	1.433	861.310	0.676	861.320	0.918	861.330	0.754
7	861.670	3.986	861.540	2.456	861.460	1.710	861.300	0.637	861.320	0.781 *	861.330	0.779
8	861.700	4.248	861.540	2.346	861.460	1.726	861.290	0.630	861.300	0.745	861.310	0.739
9	861.690	4.013 *	861.530	2.336	861.470	1.785	861.280	0.584	861.300	0.745	861.300	0.714
10	861.680	4.052	861.520	2.260	861.470	1.770 *	861.270	0.543 *	861.320	0.896	861.340	0.906
11	861.660	3.901	861.520	2.051	861.470	1.695	861.270	0.581	861.320	0.945	861.330	0.862
12	861.660	3.876	861.510	2.040	861.460	1.607	861.320	0.831	861.330	0.876	861.320	0.781 *
13	861.650	3.711	861.510	2.107 *	861.450	1.549	861.330	0.909	861.320	0.781 #	861.320	0.816
14	861.640	3.400	861.530	2.345	861.450	1.498	861.320	0.880	861.310	0.729 *	861.300	0.676
15	861.650	3.801	861.530	2.287 *	861.440	1.458	861.310	0.714	861.320	0.989	861.300	0.645
16	861.640	3.419 *	861.510	1.993	861.440	1.460	861.300	0.666	861.320	0.838	861.290	0.606
17	861.620	3.186	861.510	2.010	861.440	1.538 *	861.290	0.633 *	861.320	0.781 *	861.290	0.628
18	861.610	3.040	861.500	1.875	861.430	1.339	861.280	0.661	861.310	0.729 *	861.280	0.568
19	861.610	3.007	861.490	1.846	861.420	1.277	861.280	0.615	861.310	0.729 *	861.290	0.633 *
20	861.610	3.021	861.480	1.852 *	861.410	1.182	861.270	0.596	861.330	0.919	861.290	0.606
21	861.610	3.027	861.480	1.745	861.420	1.251	861.280	0.640	861.350	0.945 *	861.300	0.656
22	861.610	3.247	861.480	1.791	861.410	1.192	861.270	0.613	861.360	0.942	861.300	0.652
23	861.610	3.086 *	861.480	1.832	861.400	1.156	861.280	0.670	861.350	0.787	861.310	0.706
24	861.610	3.298	861.480	1.806	861.400	1.256 *	861.290	0.633 *	861.330	0.745	861.300	0.655
25	861.600	2.979 *	861.480	1.738	861.390	1.076	861.280	0.627	861.320	0.766	861.290	0.585
26	861.600	3.251	861.480	1.852 *	861.390	1.070	861.270	0.588	861.310	0.706	861.300	0.680 *
27	861.590	3.239	861.480	1.852 *	861.380	0.947	861.270	0.562	861.300	0.745	861.320	0.728
28	861.580	3.012	861.480	1.815	861.370	0.938	861.270	0.558	861.300	0.680 *	861.320	0.753
29	861.570	2.997	861.470	1.721			861.270	0.557	861.300	0.721	861.330	0.797
30	861.580	2.772 *	861.460	1.586			861.270	0.544	861.300	0.726	861.310	0.662
31	861.590	3.193	861.460	1.691 *			861.280	0.587 *			861.300	0.646
Ten-Daily Mean												
I Ten-Daily	861.677	3.969	861.547	2.552	861.459	1.619	861.315	0.704	861.307	0.768	861.326	0.818
II Ten-Daily	861.635	3.436	861.509	2.041	861.441	1.460	861.297	0.709	861.319	0.832	861.301	0.682
III Ten-Daily	861.595	3.100	861.475	1.766	861.395	1.111	861.275	0.598	861.322	0.776	861.307	0.684
Monthly												
Min.	861.570	2.772	861.460	1.586	861.370	0.938	861.270	0.543	861.290	0.633	861.280	0.568
Max.	861.700	4.248	861.580	3.027	861.470	1.785	861.360	0.909	861.360	0.989	861.340	0.906
Mean	861.634	3.489	861.509	2.108	861.434	1.417	861.295	0.668	861.316	0.792	861.311	0.727

Peak Computed Discharge = 5.483 cumecs on 04-11-2018

Corres. Water Level :861.84 m

Lowest Computed Discharge = 0.543 cumecs on 10-03-2019

Corres. Water Level :861.27 m

Q: Observed/Computed Discharge in cumecs

WL:Corresponding Mean Water Level(m.s.l) in m

*:Computed Discharge

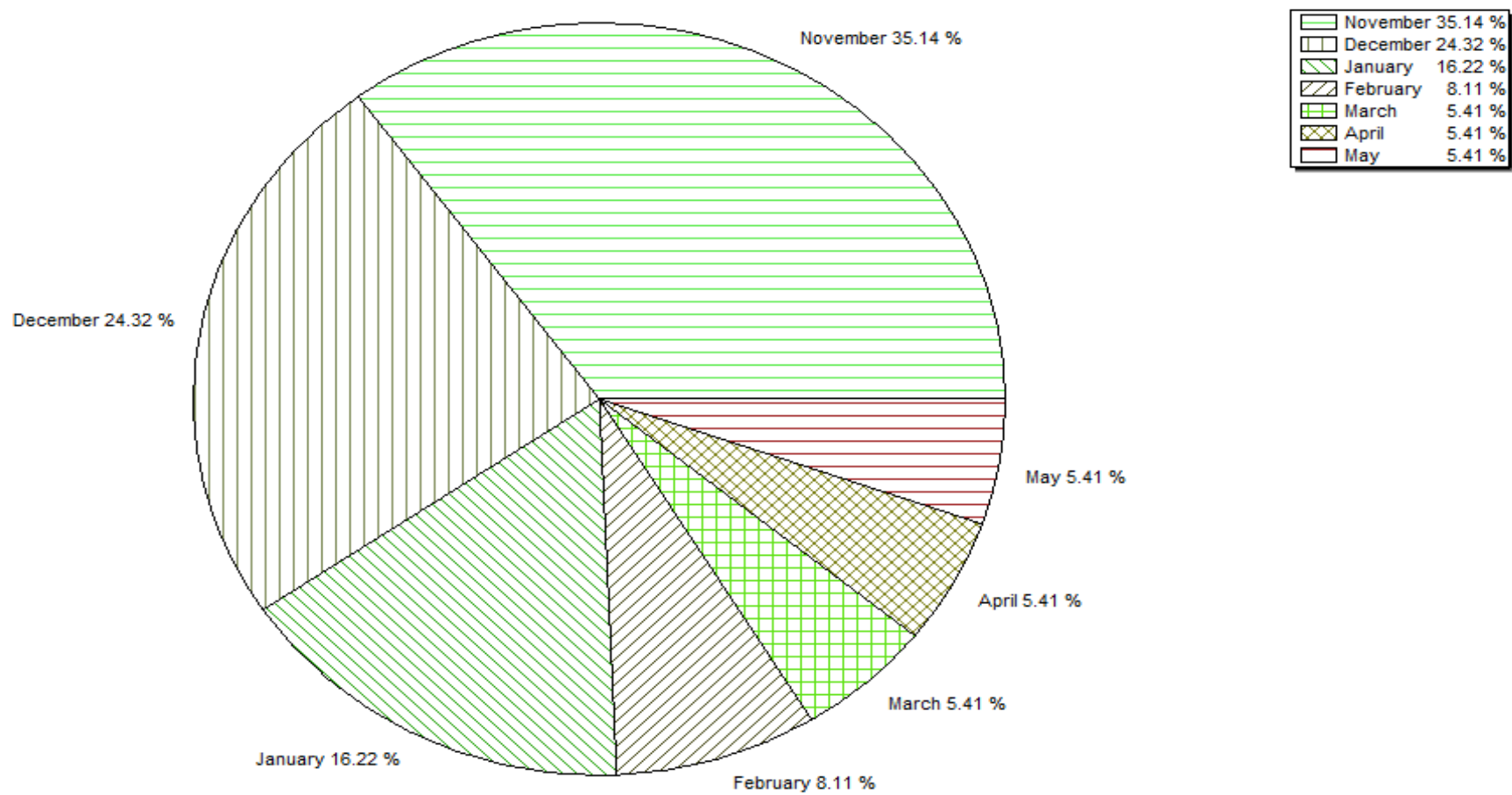
#:Discarded Discharge (values changed as per rating curve)

Note:Missing values ignored while arriving at Annual Runoff

Station Name : Napoklu (0035-CDBNG)
Local River : Cauvery

Monthly Runoff for the Year : 2018-2019

Division : Cauvery Division, Bangalore
Sub-Division : Inner Cauvery SD, Bangalore



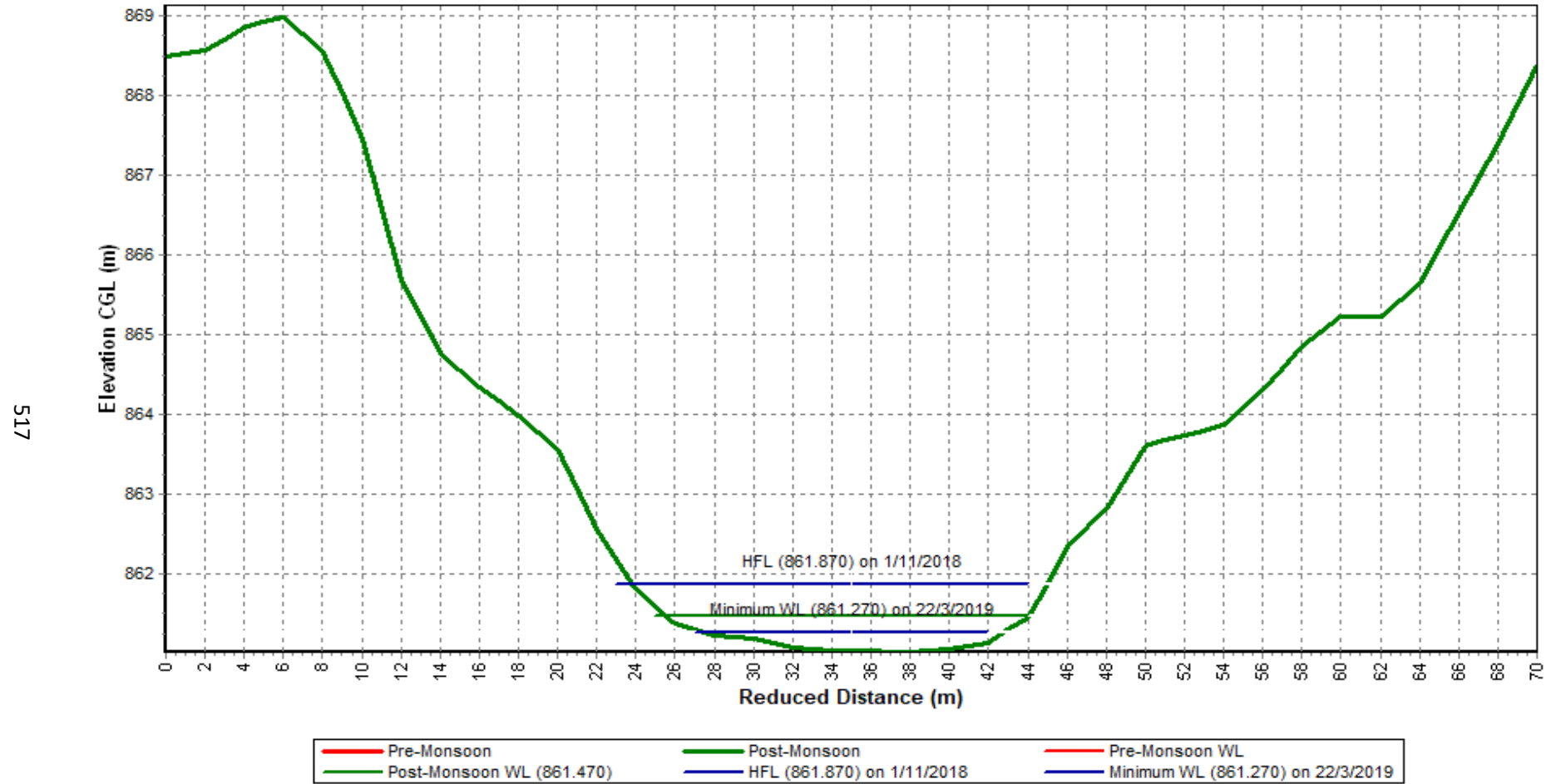
Pre-Monsoon & Post-Monsoon X-Section for Water Year : 2018-2019

Station Name : Napoklu (0035-CDBNG)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

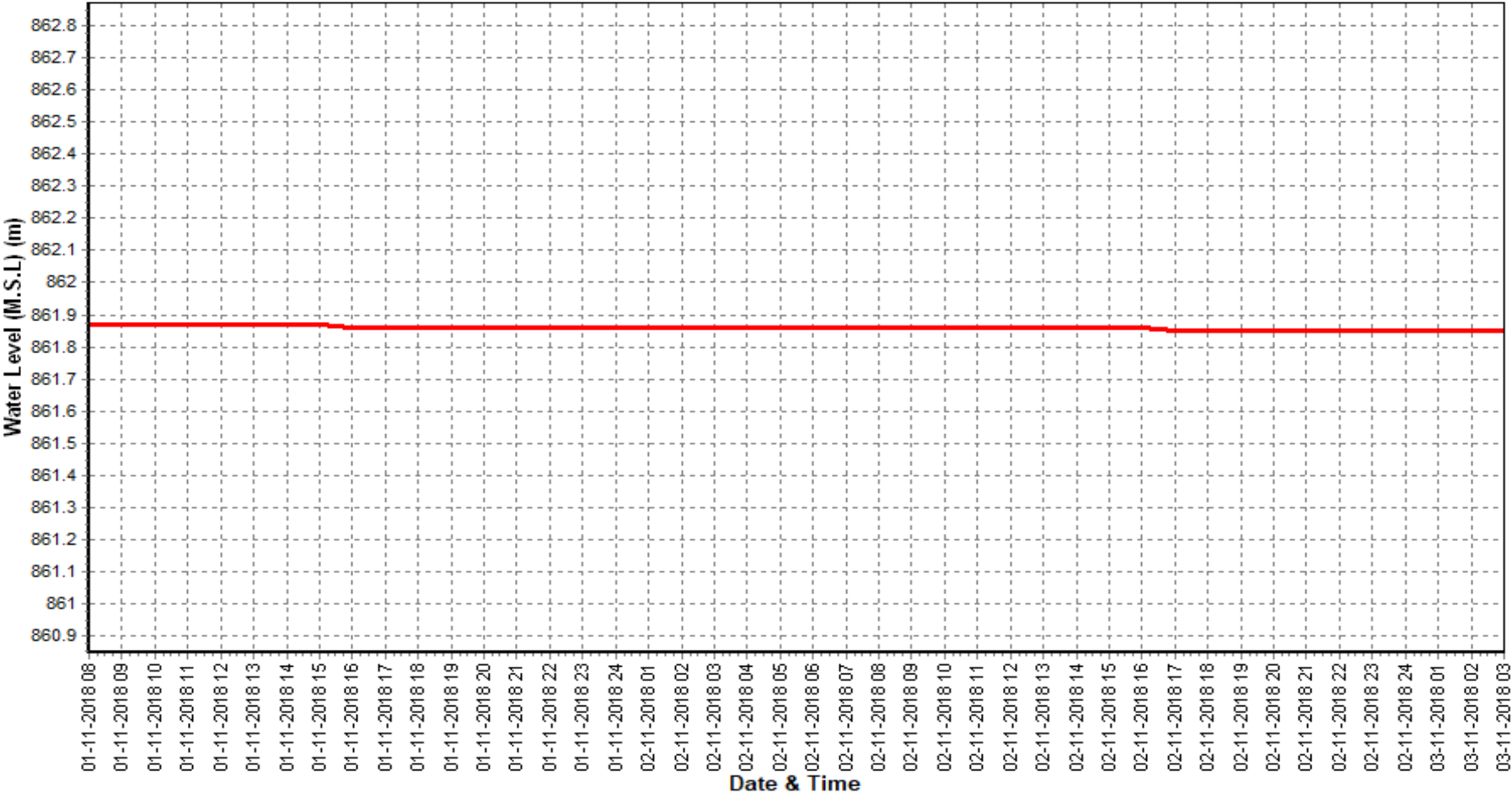


Water Level vs. Time - Graph of Highest Flood Peak during the Year : 2018-2019

Station Name : Napoklu (0035-CDBNG)
Local River : Cauvery

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

518



Time Span: 72 Hrs

Water Level vs. Time - Graph of 2nd Highest Flood Peak during the Year : 2018-2019

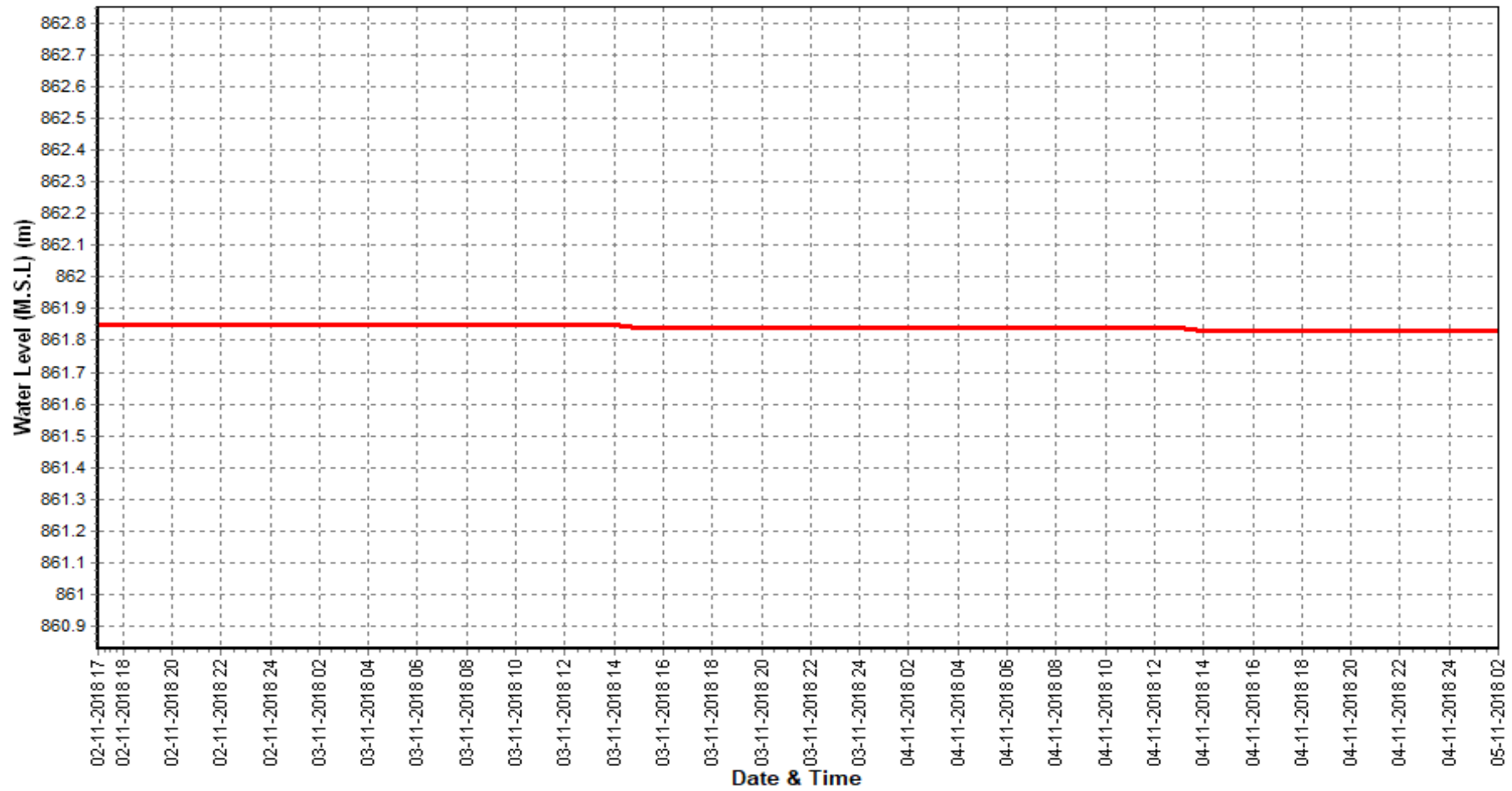
Station Name : Napoklu (0035-CDBNG)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

519



Time Span: 72 Hrs

Water Level vs. Time - Graph of 3rd Highest Flood Peak during the Year : 2018-2019

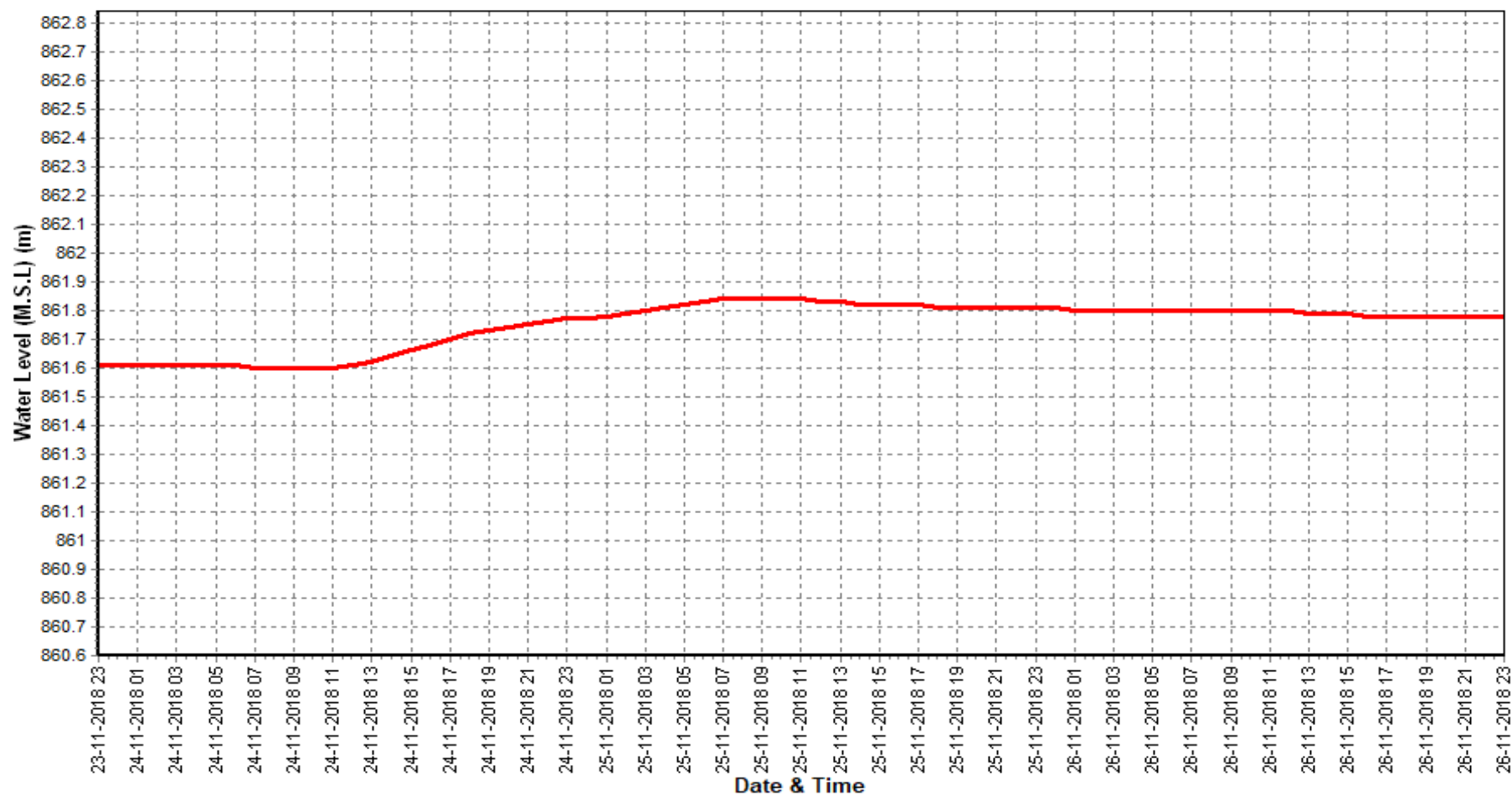
Station Name : Napoklu (0035-CDBNG)

Local River : Cauvery

Division : Cauvery Division, Bangalore

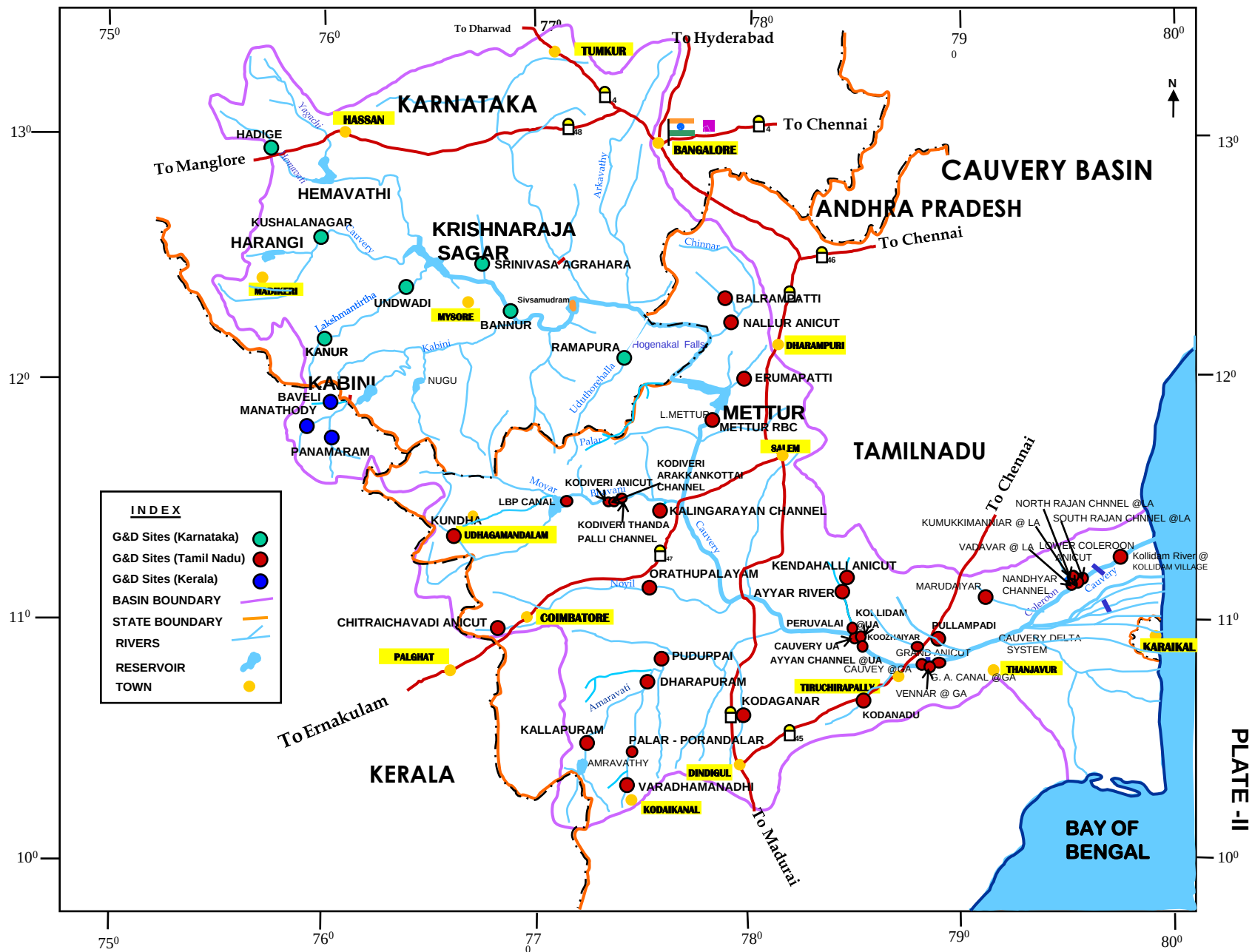
Sub-Division : Upper Cauvery SD, Bangalore

520



Time Span: 72 Hrs

521



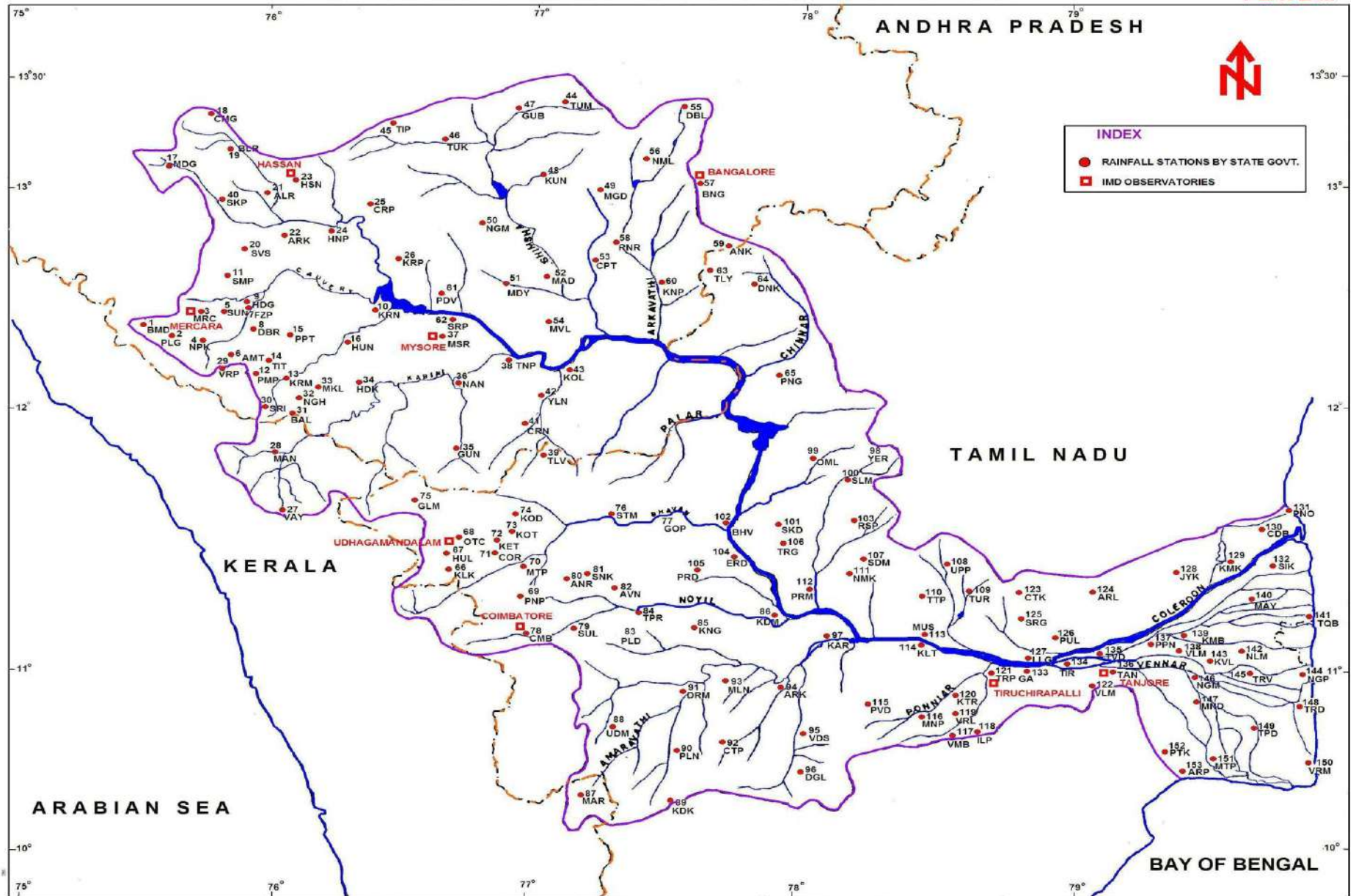
Annexure – III

List of G&D Stations in Cauvery Basin being operated by the Governments of Tamil Nadu, Karnataka & Kerala

TAMILNADU		KARNATAKA	KERALA
1. Kendahalli anicut	26. Peruvalai	1. Hadige	1. Manathody
2. Balrampatti	27. Pullampadi	2. Srinivasa Agrahara	2. Panamaram
3. Nallur Anicut	28. Vennar @ Grand Anicut	3. Undwadi	3. Baveli
4. Erumapatti	29. Marudaiyar	4. Kannor	4. Vzhavatta
5. Mettur RBC	30. Kumukkimanniar @ L.A	5. Bannur	5. Kakkavagal
6. Kallapuram	31. North Rajan channel @ L.A	6. Ramapura	6. Thondar
7. Chitraichavadi Anicut	32. South Rajan channel @ L.A	7. Kushal nagar	7. Marakkadavu
8. Varadhamanadhi	33. Vadavar @ L.A		8. Kelothkadave
9. Dharapuram	34. Kollidam River at Kollidam village		9. Muthanga
10. Puduppai	35. Kodaganar		10. Begur
11. Kalingarayan channel	36. Palar - Porandalar		11. Vythiri
12. Kodiveri Anicut			12. Chittoor(Attappady)
13. Kodiveri Arakkankottai Chanl			13. Kalkandiyur
14. Kodiveri Thandapalli Chanl			14. Kovilkkadave
15. LBP Canal			
16. Orathupalayam			
17. Kundha			
18. Ayyan channel @ UA			
19. Ayyar river			
20. Cauvery @ GA			
21. Cauvery UA			
22. G.A. Canal @ GA			
23. Kodanadu			
24. Kollidam @ UA			
25. Koozhaiyar			

BASIN MAP SHOWING STATE GOVT. RAINFALL STATIONS & IMD OBSERVATORIES IN CAUVERY BASIN

PLATE-III



RAIN GAUGE STATIONS IN CAUVERY BASIN

Serial Number	Station	District	Latitude	Longitude	Abrivation.
1	2	3	4	5	6
1	Bhagamandala	Coorg	12-33	75-31	BMD
2	Pulingoth	Coorg	12-20	78-34	PLG
3	Mercara	Coorg	12-25	75-44	MRC
4	Napoklu	Coorg	12-18	75-41	NPK
5	Sunticoopa	Coorg	12-27	75-50	SUN
6	Ammathi	Coorg	12-14	75-51	AMT
7	Fraserpet	Coorg	12-27	75-58	FZP
8	Dubare	Coorg	12-22	75-55	DBR
9	Hudugur	Coorg	12-29	75-56	HDG
10	K.R.Nagar	Mysore	12-16	76-25	KRN
11	Somvarpet	Coorg	12-36	75-51	SMP
12	Poonampet	Coorg	12-09	75-56	PMP
13	Karmad	Coorg	12-07	76-04	KRM
14	Thitimati	Coorg	12-13	76-00	TIT
15	Periyapatna	Mysore	12-20	76-06	PPT
16	Hunsur	Mysore	12-18	76-08	HUN
17	Mudigere	Chikmagalur	13-20	75-46	MDG
18	Chikmagalur	Chikmagalur	13-20	75-46	CMG
19	Belur	Hassan	12-10	75-51	BLR
20	Sanivrasarathi	Coorg	12-49	75-54	SVS
21	Alur	Hassan	12-58	75-59	ALR
22	Arkalgud	Hassan	12-46	76-03	ARK
23	Hassan	Hassan	13-00	76-09	HSN
24	Holenarsipur	Hassan	12-47	76-14	HNP
25	Chanarayapatna	Hassan	12-54	76-23	CRP
26	K.R.Pet	Mandya	12-40	76-29	KRP
27	Vyathiri	Kozikode	11-33	76-02	VAY
28	Manonthody	Cannanoor	11-48	76-01	NAN
29	Virajpet	Coorg	12-11	75-48	VRP
30	Srimangala	Coorg	12-01	45-59	SRI
31	Balecove	Coorg	11-59	76-05	BAL
32	Nagarhole	Coorg	12-02	76-07	NGH
33	Murkhal	Coorg	12-06	76-10	MKL
34	H.D.Kote	Mysore	12-05	76-20	HDK
35	Gundelpet	Mysore	11-48	76-41	GUN
36	Nanjungud	Mysore	12-08	76-41	NAN
37	Mysore	Mysore	12-18	76-42	MSR
38	T.Narsipur	Mysore	11-30	76-30	TNP
39	Talavadi	Coimbatore	11-55	76-56	TLV
40	Sakleshpur	Hassan	12-57	75-47	SKP

Serial Number	Station	District	Latitude	Longitude	Abrivation
1	2	3	4	5	6
41	Chamarajnagar	Mysore	11-55	76-55	CRN
42	Yelandur	Mysore	12-03	77-02	YLN
43	Kollegal	Mysore	12-07	77-07	KLG
44	Tumkur	Tumkur	13-31	77-06	TUM
45	Tiptur	Tumkur	13-17	76-27	TIP
46	Thurvekere	Tumkur	13-10	76-40	TUK
47	Gubbi	Tumkur	13-19	76-56	GUB
48	Kunigal	Tumkur	13-01	77-01	KUN
49	Magadi	Bangalore	12-57	77-13	MGD
50	Nagamangala	Mandya	12-49	76-45	MGN
51	Mandya	Mandya	12-32	76-53	MDY
52	Maddur	Mandya	12-36	77-02	MAD
53	Chanapattana	Bangalore	12-33	77-12	CPT
54	Malvalli	Mandya	12-23	77-04	MVL
55	Dodbalallpura	Bangalore	13-17	77-33	DBL
56	Nelmangala	Bangalore	13-06	77-24	NML
57	Bangalore	Bangalore	12-58	77-35	BNG
58	Ramnagaram	Bangalore	12-43	77-17	RNR
59	Anekal	Bangalore	12-42	77-41	ANK
60	Kanakapura	Bangalore	12-33	77-25	KNP
61	Pandavapura	Mandya	12-30	76-40	PDV
62	Sringapatna	Mandya	12-25	76-41	SRP
63	Thally	Salem	12-35	77-39	TLY
64	Denkanikota	Salem	12-32	77-47	DNK
65	Pennagaram	Salem	12-08	77-44	PNG
66	Kailkundah	Niligiris	11-16	76-39	LK
67	Hullatty	Niligiris	11-23	76-39	HUI
68	Ootacamund	Niligiris	11-24	76-44	OTC
69	Perinayaickanpalayam	Coimbatore	11-00	76-57	PNP
70	Mettupalayam	Coimbatore	11-18	76-57	MTP
71	Conoor	Niligiris	11-21	76-48	COR
72	Ketty	Niligiris	11-23	76-46	KET
73	Kotagiri	Niligiris	11-35	76-30	KOT
74	Kodanad	Niligiris	11-30	76-55	KOD
75	Glenmorgan	Niligiris	11-35	76-30	GLM
76	Satayamangalam	Coimbatore	11-30	77-15	STM
77	Gopichettipalaym	Coimbatore	11-28	77-26	GOP
78	Coimbatore	Coimbatore	11-00	76-58	CMB
79	Salur	Coimbatore	11-02	77-08	SUL
80	Annur	Coimbatore	11-14	77-07	ANR
81	Sinnakallore	Coimbatore	11-15	77-11	SNK

Serial Number	Station	District	Latitude	Longitude	Abrivation
1	2	3	4	5	6
82	Avanashi	Coimbatore	11-12	77-17	AVN
83	Palladam	Coimbatore	10-59	77-18	PLD
84	Thiruppur	Coimbatore	11-06	77-21	TPR
85	Kangayam	Coimbatore	11-00	77-34	KNG
86	Kodiumudi	Coimbatore	11-00	77-32	KDM
87	Marayur	Kottayam	10-16	77-00	MAR
88	Udamalpet	Coimbatore	10-35	77-15	UDM
89	Kodaikanl	Madurai	10-14	77-28	KDK
90	Palani	Madurai	10-27	77-31	PLN
91	Dharapuram	Coimbatore	10-44	77-32	DRM
92	Chatrapatti	Madurai	10-28	77-37	CTP
93	Mulanur	Coimbatore	10-47	77-42	MLN
94	Arvakuruchi	Tiruchirapalli	10-46	77-55	ARK
95	Vedasandur	Madurai	10-31	77-57	VDS
96	Dindigul	Madurai	10-21	77-58	DGL
97	Karur	Tirichirapalli	10-58	78-05	KAR
98	Yercaud	Salem	11-47	78-13	YER
99	Omalur	Salem	11-45	78-03	OML
100	Salem	Salem	11-39	78-10	SLM
101	Sankari	salem	11-28	77-52	SKD
102	Bhavani	Coimbatore	11-27	77-42	BHV
103	Rasipuram	Salem	11-27	78-11	RSP
104	Erode	Coimbatore	11-21	77-43	TRD
105	Perundurai	Coimbatore	11-17	77-55	PRD
106	Thiruchengoda	Salem	11-23	77-54	TRG
107	Sendamanagelam	Salem	11-17	78-14	SDM
108	Uppiliyapuram	Tiruchirapalli	11-16	78-31	UPP
109	Thuraiyur	Tiruchirapalli	11-09	78-36	TUR
110	Thathiangarpeta	Tiruchirapalli	11-08	78-27	TTP
111	Namakal	Salem	11-13	78-10	NMK
112	Paramathi	Salem	11-10	78-02	PRM
113	Musiri	Tiruchirapalli	10-57	78-27	MUS
114	Kulittalai	Tiruchirapalli	10-45	78-25	KLT
115	Palaviduthi	Tiruchirapalli	10-38	78-15	PVD
116	Manapparai	Tiruchirapalli	10-36	78-25	MNP
117	Vembavur	Tiruchirapalli	10-29	78-34	VMB
118	Illuppur	Tiruchirapalli	10-31	78-37	ILP
119	Viralimalai	Tiruchirapalli	10-36	78-33	VRL
120	Kulattur	Tiruchirapalli	10-42	78-33	KTR
121	Tiruchirapalli	Tiruchirapalli	10-46	78-43	TRP
122	Vallam	Tanjore	10-43	79-04	VLM
123	Chettikulam	Tiruchirapalli	11-09	78-48	CTK

Serial Number	Station	District	Latitude	Longitude	Abbrivation
1	2	3	4	5	6
124	Ariyalur	Tiruchirapalli	11-08	79-05	ARL
125	Siruganur	Tiruchirapalli	11-02	78-48	SRG
126	Palambadi	Tiruchirapalli	10-58	78-55	PUL
127	Lalgudi	Tiruchirapalli	10-52	78-50	LLG
128	Jayankondam	Tiruchirapalli	11-13	79-22	JYK
129	Kattumannarkoil	S.Arcot	11-17	79-33	KMK
130	Chidambaram	S.Arcot	11-24	79-42	CDB
131	Porto Novo	S.Arcot	11-30	79-45	PNO
132	Sirkali	Tanjore	11-15	79-44	SIK
133	Grand Anicut	Tanjore	10-50	78-50	GA
134	Tirukkattupalli	Tanjore	10-51	78-58	TIR
135	Tiruvadi	Tanjore	10-53	79-06	TVD
136	Tanjore	Tanjore	10-47	79-08	TAN
137	Papanasam	Tanjore	10-55	79-16	PPN
138	Valangiman	Tanjore	10-52	79-23	VLM
139	Kumbakonam	Tanjore	10-58	79-22	KMB
140	Mayuram	Tanjore	11-06	79-39	MAY
141	Tranquebar	Tanjore	11-02	79-52	TQB
142	Nannilam	Tanjore	10-53	79-37	NLM
143	Kodavasal	Tanjore	10-51	79-29	KVL
144	Nagapattinam	Tanjore	10-46	79-51	NGP
145	Thiruvavur	Tanjore	10-46	79-39	TRV
146	Needamangalam	Tanjore	10-46	79-26	NGM
147	Mannargudi	Tanjore	10-40	79-27	MND
148	Tirupoondi	Tanjore	10-37	79-49	TRD
149	Tiruthuraiyur	Tanjore	10-32	79-39	TPD
150	Vedaranyam	Tanjore	10-22	79-58	VRM
151	Muthupet	Tanjore	10-24	79-30	MTP
152	Pattukottai	Tanjore	10-26	79-19	PTK
153	Adirampattinam	Tanjore	10-20	79-23	ARP

LIST OF THE OF THE IMD OBSERVATERIS IN CAUVERY BASIN

Serial Number	Station	District	Latitude	Longitude	Abbreviation
1	Bangalore	Bangalore	12-58	77-35	BNG
2	Hassan	Hassan	13-00	76-09	HSN
3	Mercara	Coorg	12-25	75-44	MRC
4	Mysore	Mysore	12-18	76-42	MSR
5	Ootacamund	Nilgiris	11-24	76-44	OTC
6	Coimbatore	Coimbatore	11-00	76-58	CMB
7	Tiruchirapalli	Tiruchirapalli	10-46	78-43	TRP
8	Tanjore	Tanjore	10-47	79-08	TAN

[illegible]

**DETAILS OF MAJOR AND MEDIUM IRRIGATION PROJECTS IN CAUVERY BASIN
KARNATAKA**

SL. NO.	Prj. No/	Name of the Project	River	Status	Storage Gross (Mm ³)	Capacity Live (Mm ³)
1	2	3	4	5	6	7
01	1K	Uduthorehalla	Uduthorehalla	On going	18.97	15.15
02.	2K	Byramangala	Swarnamukhi	Completed	22.14	21.95
03.	3K	Arkavathi	Arkavathi	On going	44.94	40.49
04.	4K	Manchanabele	Arkavathi	On going	34.60	30.04
05.	5K	Iggalur Barrage	Shimsha	On going	5.15	3.03
06.	6K	Kanva	Kanva	Completed	22.88	22.77
07.	7K	Mangala	Mangala	Completed	8.21	6.80
08.	8K	Marconahalli	Shimsha	Completed	67.96	64.00
09.	9K	Gundal	Gundal	Completed	27.44	23.22
10.	10K	Hebballa	Hebballa	Completed	11.98	10.79
11.	11K	Chikkahole	Chikkahole	Completed	10.64	10.53
12.	12K	Suvarnavathi	Suvarnavathi	Completed	35.65	35.60
13.	13K	Nallur Amnikere	Gundlu	Completed	6.54	5.89
14.	14K	Nugu	Nugu	Completed	154.00	138.55
15.	15K	Taraka	Taraka	Completed	111.57	90.75
16.	16K	Kabini	Kabini	On going	552.74	453.06
17.	17K	K.R.Sagara	Cauvery	Completed	1400.35	1275.69
18.	18K	Hemavathi	Hemavathi	On going	1050.62	1012.60
19.	19K	Votehole	Votehole	On going	42.76	38.68
20	20K	Yagachi	Yagachi	On going	101.97	92.57
21.	21K	Harangi	Harangi	On going	240.69	228.60
22	22K	Chiklihole	Chiklihole	On going	5.10	4.72

**DETAILS OF MAJOR AND MEDIUM IRRIGATION PROJECTS IN CAUVERY BASIN
TAMILNADU**

SL. NO	Prj. No/	Name of the Project	River	Status	Storage Gross	Capacity Live (Mm ³)
01.	1T	Uppar (Trichy Dist.)	Uppar	Completed	2.265	--
02	2T	Ponnaniar	Ponnaniar	Completed	3.40	--
03.	3T	Parappalar	Parappalar	Completed	5.60	--
04.	4T	Vattamalaikari Odai	Vattamalaikari	Completed	7.59	--
05.	5T	Uppar (Periyar Dist)	Uppar	Completed	16.31	14.92
06.	6T	Varadhamanadi	Varadhamanadi	Completed	3.06	--
07.	7T	Palar -Paramdalar	Palar -	Completed	--	43.19
08.	8T	Amaravathi	Amaravathi	Completed	114.6	112.37
09.	9T	Kodaganar	Amaravathi	Completed	--	12.30
10.	10T	Varattupallam	Varattupallam	Completed	3.94	--
11	11T	Gunderipallam	Gunderipallam	Completed	3.06	--
12	12T	Lower Bhavani	Bhavani	Completed	928.8	907.80
13	13T	Pillur	Bhavani	Completed	44.40	34.97
14	15T	Orathupalayam,	Noyal	On Going	--	17.45
15	16T	Avalanche &	Bhavani	Completed	156.2	152.80
16	17T	Emerald or	Bhavani	Completed	50.98	50.17
17	18T	Pykara	Bhavani	Completed	56.80	55.22
18	19T	Thoppiar	Thoppiar	Completed	8.456	--
19	20T	Nagavathi	Nagavathi	Completed	4.65	--
20	21T	Kesarigullihalla	Kesarigullihalla	Completed	3.80	--
21	22T	Chinnar	Chinnar	Completed	14.15	13.98
22	23T	Siddhamalli	Siddhamalli Odai	Completed	6.422	--
23	24T	Lower Mettur	Cauvery	Completed	--	--
		Projects I, II, III, IV				
24	25T	Mettur	Cauvery	Completed	2708.	2646.7

ANICUTS IN TAMILNADU

01.	Lower Colleron Anicut	Colleron	Completed
02.	Grand Anicut	Cauvery	Completed
03.	Upper Anicut	Cauvery	Completed
04.	Kattalai Regulator	Cauvery	Completed
05.	Pallipalayam Anicut	Cauvery	Completed
06.	Chitra Chavadi Anicut	Noyyal	Completed
07.	Kuntamathur Anicut	Noyyal	Completed
08.	Jedarapalayam Anicut	Cauvery	Completed
09.	Kalingarayan Anicut	Bhavani	Completed
10.	Kodivary Anicut	Bhavani	Completed

SOURCE:- "Storage in River Basin of India" a Central Water Commission Publication (1990)

वार्षिक जल पुस्तिका
WATER YEAR BOOK

(जून 2018 – मई 2019)
(JUNE 2018– MAY 2019)

कावेरी बेसिन
CAUVERY BASIN
निलंबित गाद आँकड़ा
Suspended Sediment Data



कावेरी एवं दक्षिणी नदियाँ परिमण्डल, बेंगलूरु
CAUVERY & SOUTHERN RIVERS CIRCLE, BENGALURU
कावेरी एवं दक्षिणी नदियाँ संगठन, कोयंबतूर
CAUVERY & SOUTHERN RIVERS ORGANISATION, COIMBATORE
मार्च – 2020
MARCH – 2020

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Annual Sediment Load for period : 2004-2019**Station Name : Thengudi (CCA31N6)****Division : Hydrology Division, Chennai****Local River : Cauvery****Sub-Division : Cauvery Delta SD, Karaikkal**

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
2004-2005	3568	242	3810	118
2005-2006	5069	899	5968	196
2006-2007	1673	159	1833	151
2007-2008	1464	1255	2719	216
2008-2009	2971	2541	5513	229
2009-2010	3236	2378	5614	169
2010-2011	1755	1402	3157	156
2011-2012	1209	500	1709	136
2012-2013	1025	95	1120	38
2013-2014	367	373	740	58
2014-2015	778	222	1000	75
2015-2016	899	784	1682	117
2016-2017	14	29	43	6
2017-2018	292	153	445	36
2018-2019	479	129	608	67

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Thengudi (CCA31N6)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal

Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.979	0.000	0.000	0.005	0.005	1
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	6.215	0.000	0.000	0.004	0.004	2
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	8.460	0.000	0.000	0.010	0.010	7
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	7.908	0.000	0.000	0.010	0.010	7
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	6.609	0.000	0.000	0.009	0.009	5
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	6.697	0.000	0.000	0.009	0.009	5
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	7.112	0.000	0.000	0.013	0.013	8
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	7.138	0.000	0.000	0.009	0.009	5
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	6.321	0.000	0.000	0.009	0.009	5
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	5.447	0.000	0.000	0.008	0.008	4
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	3.484	0.000	0.000	0.011	0.011	3
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	5.481	0.000	0.000	0.009	0.009	4
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.967	0.000	0.000	0.009	0.009	2
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.415	0.000	0.000	0.010	0.010	2
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	1.842	0.000	0.000	0.010	0.010	2
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	1.800	0.000	0.000	0.010	0.010	2
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.940	0.000	0.000	0.009	0.009	2
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	3.388	0.000	0.000	0.009	0.009	3
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	3.012	0.000	0.000	0.009	0.009	2
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	5.237	0.000	0.000	0.008	0.008	4
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	4.825	0.000	0.000	0.058	0.058	24
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	5.270	0.000	0.000	0.004	0.004	2
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	5.789	0.000	0.000	0.004	0.004	2
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	6.636	0.000	0.000	0.004	0.004	2
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	6.102	0.000	0.000	0.004	0.004	2
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	5.085	0.000	0.000	0.004	0.004	2
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.901	0.000	0.000	0.005	0.005	1
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.875	0.000	0.000	0.005	0.005	1
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	1.846	0.000	0.000	0.005	0.005	1
31							0.000	0.000	0.000	0.000	0.000	0	1.800	0.000	0.000	0.005	0.005	1
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	5.944	0.000	0.000	0.008	0.008	5
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	3.278	0.000	0.000	0.009	0.009	3
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	4.397	0.000	0.000	0.010	0.010	4
Monthly																		
Total						0						0						113

Annual Sediment Load (Metric Tonnes) : 608

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Thengudi (CCA31N6)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal

Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	1.810	0.000	0.000	0.005	0.005	1	3.056	0.000	0.000	0.010	0.010	3	2.875	0.000	0.000	0.005	0.005	1
2	2.666	0.000	0.000	0.005	0.005	1	4.080	0.000	0.000	0.010	0.010	3	6.321	0.000	0.000	0.009	0.009	5
3	1.730	0.000	0.000	0.005	0.005	1	6.630	0.000	0.000	0.009	0.009	5	14.65	0.000	0.000	0.006	0.006	8
4	0.966	0.000	0.000	0.005	0.005	0	12.62	0.000	0.000	0.009	0.009	10	19.15	0.000	0.000	0.001	0.001	1
5	0.780	0.000	0.000	0.006	0.006	0	18.89	0.000	0.000	0.010	0.010	17	10.30	0.000	0.000	0.011	0.011	10
6	0.718	0.000	0.000	0.006	0.006	0	20.17	0.000	0.000	0.014	0.014	24	8.600	0.000	0.000	0.010	0.010	8
7	0.353	0.000	0.000	0.018	0.018	1	20.15	0.000	0.000	0.014	0.014	24	6.702	0.000	0.000	0.009	0.009	5
8	0.199	0.000	0.000	0.017	0.017	0	9.961	0.000	0.000	0.012	0.012	10	2.939	0.000	0.000	0.009	0.009	2
9	0.199	0.000	0.000	0.017	0.017	0	8.640	0.000	0.000	0.009	0.009	7	9.381	0.000	0.000	0.009	0.009	7
10	0.204	0.000	0.000	0.010	0.010	0	5.481	0.000	0.000	0.009	0.009	4	8.617	0.000	0.000	0.009	0.009	7
11	0.256	0.000	0.000	0.018	0.018	0	1.722	0.000	0.000	0.010	0.010	1	5.390	0.000	0.000	0.009	0.009	4
12	0.110	0.000	0.000	0.018	0.018	0	1.095	0.000	0.000	0.012	0.012	1	2.963	0.000	0.000	0.009	0.009	2
13	0.100	0.000	0.000	0.014	0.014	0	0.949	0.000	0.000	0.011	0.011	1	1.796	0.000	0.000	0.009	0.009	1
14	0.089	0.000	0.000	0.009	0.009	0	0.908	0.000	0.000	0.011	0.011	1	1.460	0.000	0.000	0.011	0.011	1
15	0.205	0.000	0.000	0.009	0.009	0	0.824	0.000	0.000	0.012	0.012	1	1.400	0.000	0.000	0.009	0.009	1
16	0.458	0.000	0.000	0.008	0.008	0	0.963	0.000	0.000	0.013	0.013	1	2.475	0.000	0.000	0.011	0.011	2
17	0.683	0.000	0.000	0.007	0.007	0	5.609	0.000	0.000	0.008	0.008	4	6.327	0.000	0.000	0.009	0.009	5
18	2.492	0.000	0.000	0.006	0.006	1	6.410	0.000	0.000	0.007	0.007	4	4.715	0.000	0.000	0.007	0.007	3
19	2.611	0.000	0.000	0.011	0.011	2	4.499	0.000	0.000	0.009	0.009	3	2.931	0.000	0.000	0.005	0.005	1
20	2.482	0.000	0.000	0.011	0.011	2	3.091	0.000	0.000	0.010	0.010	3	2.875	0.000	0.000	0.010	0.010	2
21	3.201	0.000	0.000	0.011	0.011	3	4.183	0.000	0.000	0.010	0.010	3	6.224	0.000	0.000	0.008	0.008	4
22	2.530	0.000	0.000	0.011	0.011	2	5.447	0.000	0.000	0.009	0.009	4	6.648	0.000	0.000	0.008	0.008	5
23	1.619	0.000	0.000	0.012	0.012	2	6.676	0.000	0.000	0.004	0.004	2	6.788	0.000	0.000	0.008	0.008	5
24	0.774	0.000	0.000	0.013	0.013	1	5.524	0.000	0.000	0.009	0.009	4	18.91	0.000	0.000	0.010	0.010	16
25	2.486	0.000	0.000	0.011	0.011	2	5.748	0.000	0.000	0.009	0.009	5	24.60	0.000	0.000	0.008	0.008	16
26	2.498	0.000	0.000	0.010	0.010	2	4.929	0.000	0.000	0.008	0.008	4	21.31	0.000	0.000	0.009	0.009	16
27	1.450	0.000	0.000	0.011	0.011	1	5.563	0.000	0.000	0.009	0.009	4	9.328	0.000	0.000	0.008	0.008	7
28	1.460	0.000	0.000	0.012	0.012	1	3.678	0.000	0.000	0.011	0.011	3	7.908	0.000	0.000	0.010	0.010	7
29	2.503	0.000	0.000	0.012	0.012	3	1.757	0.000	0.000	0.013	0.013	2	6.812	0.000	0.000	0.008	0.008	5
30	2.752	0.000	0.000	0.011	0.011	3	3.013	0.000	0.000	0.005	0.005	1	16.36	0.000	0.000	0.008	0.008	12
31							2.540	0.000	0.000	0.005	0.005	1						
Ten Daily Mean																		
Ten Daily I	0.962	0.000	0.000	0.009	0.009	1	10.97	0.000	0.000	0.011	0.011	11	8.954	0.000	0.000	0.008	0.008	5
Ten Daily II	0.948	0.000	0.000	0.011	0.011	1	2.607	0.000	0.000	0.010	0.010	2	3.233	0.000	0.000	0.009	0.009	2
Ten Daily III	2.127	0.000	0.000	0.011	0.011	2	4.460	0.000	0.000	0.008	0.008	3	12.49	0.000	0.000	0.009	0.009	9
Monthly																		
Total						34						162						170

Annual Sediment Load (Metric Tonnes) : 608

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Thengudi (CCA31N6)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal

Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	8.318	0.000	0.000	0.009	0.009	7	2.141	0.000	0.000	0.010	0.010	2	0.425	0.000	0.000	0.012	0.012	0
2	7.028	0.000	0.000	0.004	0.004	3	1.878	0.000	0.000	0.010	0.010	2	0.525	0.000	0.000	0.011	0.011	0
3	5.789	0.000	0.000	0.000	0.000	0	1.648	0.000	0.000	0.010	0.010	1	0.648	0.000	0.000	0.011	0.011	1
4	5.200	0.000	0.000	0.009	0.009	4	1.598	0.000	0.000	0.010	0.010	1	0.976	0.000	0.000	0.009	0.009	1
5	4.885	0.000	0.000	0.009	0.009	4	1.881	0.000	0.000	0.011	0.011	2	0.789	0.000	0.000	0.012	0.012	1
6	3.056	0.000	0.000	0.009	0.009	2	2.413	0.000	0.000	0.010	0.010	2	0.711	0.000	0.000	0.012	0.012	1
7	3.263	0.000	0.000	0.011	0.011	3	3.417	0.000	0.000	0.008	0.008	2	0.469	0.000	0.000	0.013	0.013	1
8	2.702	0.000	0.000	0.005	0.005	1	3.635	0.000	0.000	0.009	0.009	3	0.414	0.000	0.000	0.015	0.015	1
9	2.411	0.000	0.000	0.007	0.007	1	2.403	0.000	0.000	0.008	0.008	2	0.405	0.000	0.000	0.015	0.015	1
10	1.416	0.000	0.000	0.012	0.012	1	2.097	0.000	0.000	0.010	0.010	2	0.547	0.000	0.000	0.018	0.018	1
11	2.025	0.000	0.000	0.016	0.016	3	1.388	0.000	0.000	0.008	0.008	1	0.454	0.000	0.000	0.016	0.016	1
12	3.574	0.000	0.000	0.009	0.009	3	0.856	0.000	0.000	0.013	0.013	1	0.372	0.000	0.000	0.018	0.018	1
13	2.227	0.000	0.000	0.010	0.010	2	1.381	0.000	0.000	0.012	0.012	1	0.190	0.000	0.000	0.011	0.011	0
14	2.457	0.000	0.000	0.008	0.008	2	2.097	0.000	0.000	0.010	0.010	2	0.399	0.000	0.000	0.019	0.019	1
15	1.996	0.000	0.000	0.010	0.010	2	1.766	0.000	0.000	0.010	0.010	2	0.328	0.000	0.000	0.019	0.019	1
16	2.380	0.000	0.000	0.009	0.009	2	1.874	0.000	0.000	0.010	0.010	2	0.196	0.000	0.000	0.000	0.000	0
17	2.542	0.000	0.000	0.008	0.008	2	3.409	0.000	0.000	0.009	0.009	3	0.156	0.000	0.000	0.000	0.000	0
18	1.667	0.000	0.000	0.009	0.009	1	3.736	0.000	0.000	0.010	0.010	3	0.050	0.000	0.000	0.000	0.000	0
19	0.991	0.000	0.000	0.081	0.081	7	2.082	0.000	0.000	0.010	0.010	2	0.187	0.000	0.000	0.000	0.000	0
20	1.291	0.000	0.000	0.009	0.009	1	2.141	0.000	0.000	0.010	0.010	2	0.081	0.000	0.000	0.000	0.000	0
21	1.158	0.000	0.000	0.009	0.009	1	2.120	0.000	0.000	0.010	0.010	2	0.082	0.000	0.000	0.000	0.000	0
22	3.036	0.000	0.000	0.009	0.009	2	0.969	0.000	0.000	0.009	0.009	1	0.000	0.000	0.000	0.000	0.000	0
23	3.800	0.000	0.000	0.009	0.009	3	0.789	0.000	0.000	0.013	0.013	1	0.000	0.000	0.000	0.000	0.000	0
24	5.481	0.000	0.000	0.009	0.009	4	0.802	0.000	0.000	0.011	0.011	1	0.000	0.000	0.000	0.000	0.000	0
25	3.683	0.000	0.000	0.010	0.010	3	1.284	0.000	0.000	0.010	0.010	1	0.000	0.000	0.000	0.000	0.000	0
26	2.180	0.000	0.000	0.011	0.011	2	1.232	0.000	0.000	0.010	0.010	1	0.000	0.000	0.000	0.000	0.000	0
27	1.856	0.000	0.000	0.010	0.010	2	1.060	0.000	0.000	0.010	0.010	1	0.000	0.000	0.000	0.000	0.000	0
28	2.147	0.000	0.000	0.009	0.009	2	0.865	0.000	0.000	0.009	0.009	1	0.000	0.000	0.000	0.000	0.000	0
29	2.022	0.000	0.000	0.010	0.010	2	1.006	0.000	0.000	0.009	0.009	1						
30	1.381	0.000	0.000	0.010	0.010	1	0.976	0.000	0.000	0.008	0.008	1						
31	2.365	0.000	0.000	0.010	0.010	2	0.613	0.000	0.000	0.011	0.011	1						
Ten Daily Mean																		
Ten Daily I	4.407	0.000	0.000	0.008	0.008	3	2.311	0.000	0.000	0.010	0.010	2	0.591	0.000	0.000	0.013	0.013	1
Ten Daily II	2.115	0.000	0.000	0.017	0.017	2	2.073	0.000	0.000	0.010	0.010	2	0.241	0.000	0.000	0.008	0.008	0
Ten Daily III	2.646	0.000	0.000	0.010	0.010	2	1.065	0.000	0.000	0.010	0.010	1	0.010	0.000	0.000	0.000	0.000	0
Monthly																		
Total						74						46						9

Annual Sediment Load (Metric Tonnes) : 608

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Thengudi (CCA31N6)

Local River : Cauvery

Division : Hydrology Division, Chennai

Sub-Division : Cauvery Delta SD, Karaikkal

Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31	0.000	0.000	0.000	0.000	0.000	0							0.000	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						0						0

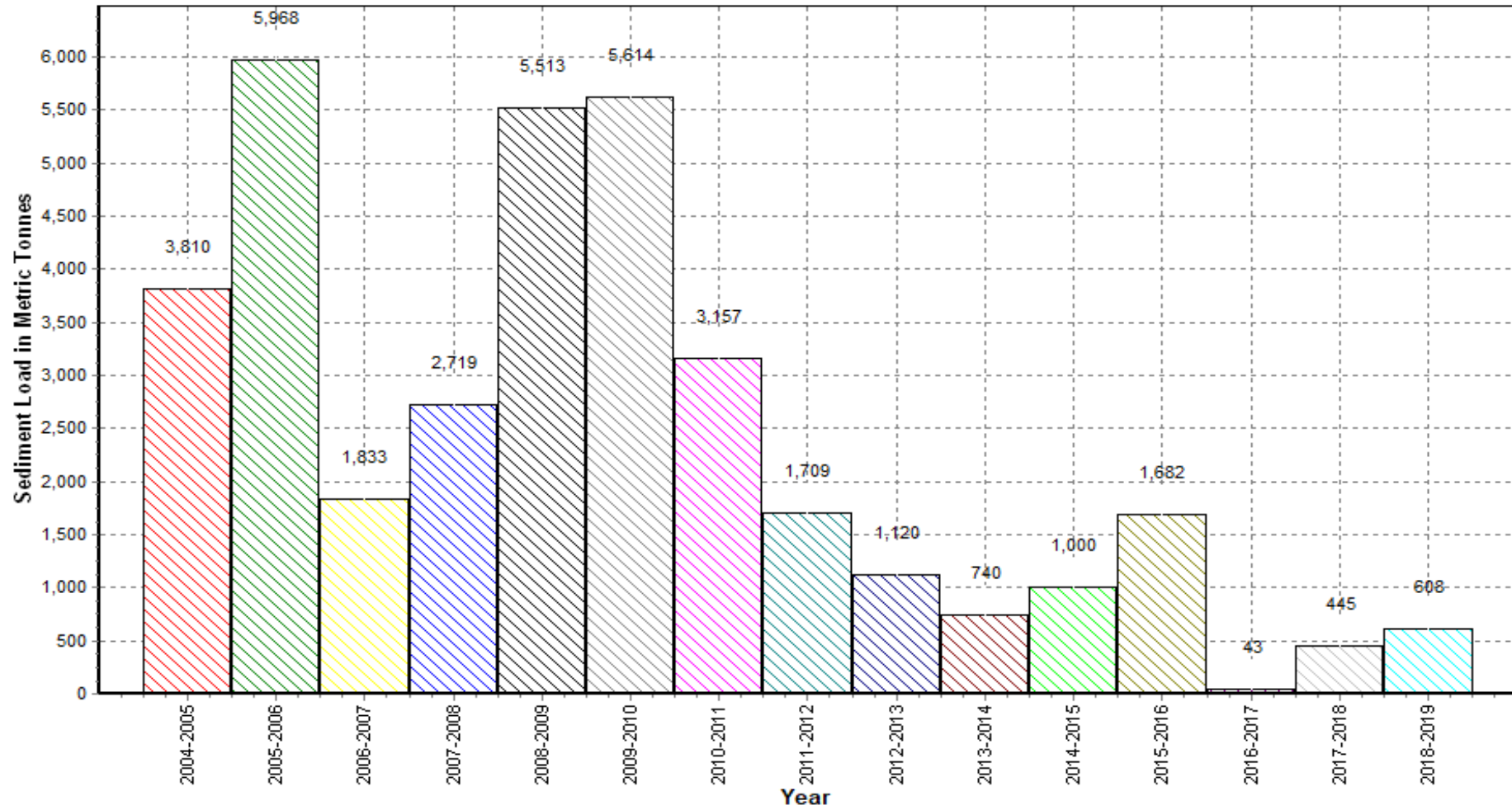
Annual Sediment Load (Metric Tonnes) : 608

Annual Sediment Load for the period: 2004-2019

Station Name : Thengudi (CCA31N6)
Local River : Cauvery

Division : Hydrology Division, Chennai
Sub-Division : Cauvery Delta SD, Karaikkal

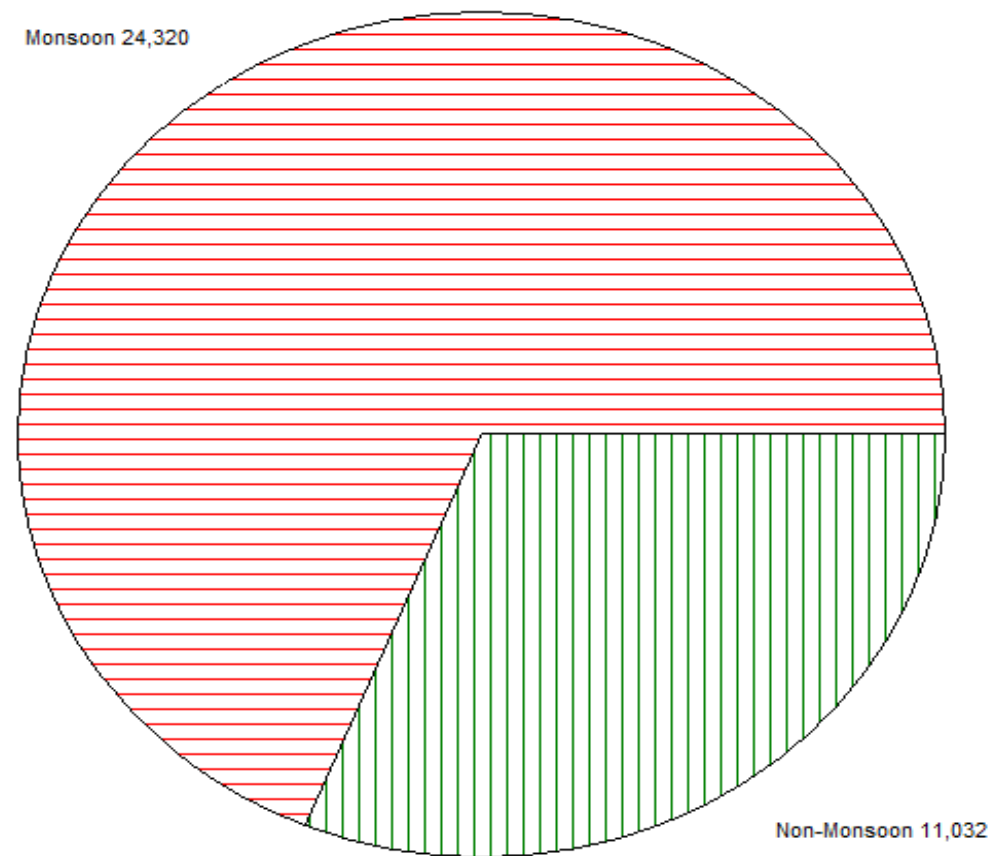
537



Station Name : Thengudi (CCA31N6)
Local River : Cauvery

Seasonal Sediment Load for the period : 2004-2018

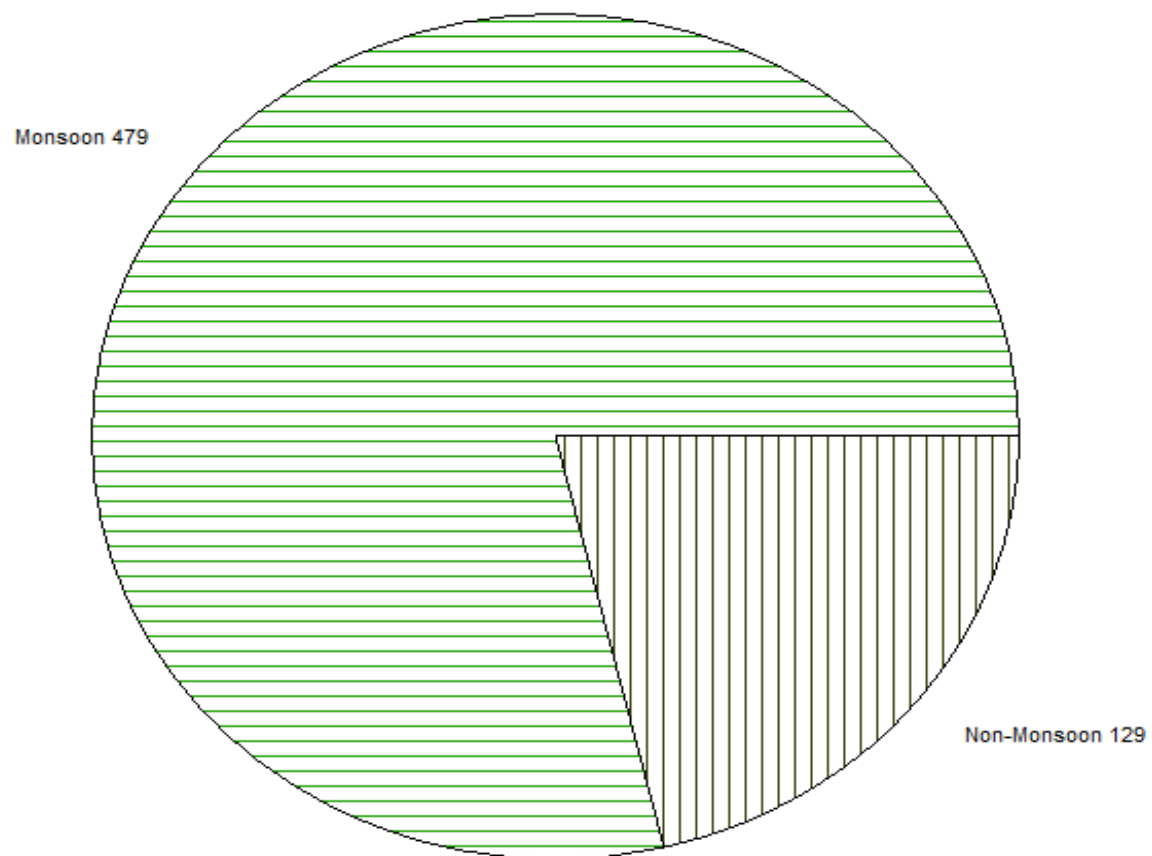
Division : Hydrology Division, Chennai
Sub-Division : Cauvery Delta SD, Karaikkal



Station Name : Thengudi (CCA31N6)
Local River : Cauvery

Seasonal Sediment Load for the Year: 2018-2019

Division : Hydrology Division, Chennai
Sub-Division : Cauvery Delta SD, Karaikkal



BED MATERIAL ANALYSIS DATA

RIVER

:

THIRUMALAIRAJANAR

CODE No.

:

CCA31N6

SITE

:

THENGUDI

CROSS SECTION

:

SGL

Sl.No.	Date of collection	DATA FOR SAMPLE COLLECTED												GENERAL DATA OF THE RIVER							
		R.D.(m)	Lab No.	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L.(GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/s)	DISCHARGE (m³/s)	Bed Material Composition			WETTED PERIMETER (m)	HYDRAULIC MEAN DEPTH (m)	MEAN VELOCITY (m/s)	SURFACE WATER SLOPE	DISCHARGE (m³/s)	Bed Material Composition		
											MAX SIZE (mm)	Min. size(mm)	MEAN SIZE (mm)						MAX SIZE (mm)	Min. size(mm)	MEAN SIZE (mm)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	MONSOON 2018 18/12/2018																				
1	18-12-2018	22	12	5.000	5.895	6.435	0.540	5.40	0.114	0.1345	14.0	0.060	1.21	33.012	0.633	0.158	0.00010	3.295	30.00	0.060	2.540
2	18-12-2018	32	13	5.000	5.735	6.435	0.700	15.40	0.211	0.2870	22.0	0.060	3.65								
3	18-12-2018	42	14	5.000	5.575	6.435	0.860	25.40	0.170	0.2924	30.0	0.060	2.76								
	POST MONSOON 2019 01/02/2019																				
1	01-02-2019	22	57	5.000	5.945	6.165	0.220	3.65	-	-	11.0	0.060	1.16	29.635	0.355	0.040	0.00010	0.425	11.00	0.060	1.033
2	01-02-2019	32	58	5.000	5.725	6.165	0.440	13.65	-	-	8.0	0.060	0.86								
3	01-02-2019	42	59	5.000	5.685	6.165	0.480	23.50	-	-	10.0	0.060	1.08								
	PRE MONSOON 2019 14/05/2019																				
1	14-05-2019	22	86	5.000	5.995	-	-	-	-	-	17.0	0.060	1.35	River Bed Dry					17.0	0.060	1.243
2	14-05-2019	32	87	5.000	5.795	-	-	-	-	-	15.0	0.060	1.31								
3	14-05-2019	42	88	5.000	5.705	-	-	-	-	-	8.0	0.060	1.07								

Annual Sediment Load for period : 1973-2019**Station Name : Musiri (CC000G4)****Division : SR Division, Coimbatore****Local River : Cauvery****Sub-Division : Lower Cauvery SD, Trichi**

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1973-1974	907720	55641	963361	11650
1974-1975	442845	43339	486184	8885
1975-1976	604524	49274	653798	13359
1976-1977	182434	61840	244274	3979
1977-1978	3399864	210641	3610505	14310
1978-1979	1676954	455996	2132950	14397
1979-1980	2055737	69634	2125371	13568
1980-1981	1064037	50818	1114855	13179
1981-1982	1188991	61478	1250469	12442
1982-1983	388850	37219	426069	6187
1983-1984	246673	101981	348654	5719
1984-1985	401417	69835	471252	8973
1985-1986	174798	24239	199037	4827
1986-1987	192144	30881	223025	4890
1987-1988	62969	63016	125985	2432
1988-1989	171821	23465	195286	5172
1989-1990	138397	89454	227851	4548
1990-1991	72645	13642	86287	3774
1991-1992	381621	35828	417449	7768
1992-1993	455657	42245	497902	10450
1993-1994	875212	80350	955562	7622
1994-1995	561469	78623	640092	12672
1995-1996	158563	43516	202079	6582
1996-1997	203097	126681	329778	6595
1997-1998	267785	122259	390044	9754
1998-1999	227294	51378	278672	8538
1999-2000	209120	72397	281517	7539
2000-2001	833079	90794	923873	9719
2001-2002	147902	48056	195958	5898
2002-2003	38989	18935	57924	2062
2003-2004	27821	14337	42158	1590
2004-2005	146208	71940	218148	4860
2005-2006	558850	110703	669553	12558
2006-2007	291602	34026	325628	9010
2007-2008	387284	87039	474322	12248
2008-2009	169592	37977	207569	9372
2009-2010	106925	21810	128735	6947
2010-2011	131921	47601	179522	5755
2011-2012	104947	33699	138646	8327
2012-2013	42990	8367	51357	2911
2013-2014	163350	13739	177089	5883
2014-2015	70319	24493	94812	4877
2015-2016	60898	28504	89402	4562
2016-2017	19973	20	19994	1056
2017-2018	23409	8118	31526	2196
2018-2019	227055	10851	237906	9726

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Musiri (CC000G4)

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi

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Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	1.895	0.000	0.000	0.001	0.001	0	10.01	0.000	0.000	0.005	0.005	5	615.3	0.084	0.091	0.016	0.191	10154
2	2.402	0.000	0.000	0.003	0.003	1	4.896	0.000	0.000	0.002	0.002	1	521.0	0.173	0.181	0.008	0.362	16297
3	13.78	0.000	0.000	0.033	0.033	39	5.478	0.000	0.000	0.002	0.002	1	497.1	0.103	0.179	0.012	0.294	12627
4	9.199	0.003	0.002	0.022	0.027	21	3.631	0.000	0.000	0.003	0.003	1	561.7	0.096	0.099	0.021	0.216	10482
5	10.07	0.000	0.000	0.010	0.010	9	2.379	0.000	0.000	0.002	0.002	0	512.3	0.089	0.094	0.006	0.188	8330
6	10.03	0.000	0.000	0.025	0.025	22	2.015	0.000	0.000	0.004	0.004	1	552.7	0.096	0.101	0.006	0.203	9693
7	9.687	0.000	0.000	0.005	0.005	4	6.223	0.000	0.000	0.003	0.003	2	483.4	0.065	0.107	0.004	0.176	7351
8	9.649	0.000	0.000	0.012	0.012	10	9.433	0.000	0.000	0.004	0.004	4	502.9	0.096	0.091	0.006	0.193	8386
9	12.02	0.000	0.000	0.005	0.005	5	11.21	0.000	0.000	0.005	0.005	5	491.4	0.100	0.150	0.003	0.253	10728
10	14.46	0.000	0.000	0.004	0.004	5	9.996	0.000	0.000	0.001	0.001	1	561.4	0.061	0.058	0.005	0.124	6015
11	16.17	0.000	0.000	0.003	0.003	4	8.350	0.000	0.000	0.002	0.002	1	912.9	0.000	0.000	0.007	0.007	552
12	18.32	0.000	0.000	0.007	0.007	11	8.518	0.000	0.000	0.014	0.014	10	2477	0.000	0.000	0.017	0.017	3638
13	13.06	0.000	0.000	0.002	0.002	2	8.152	0.000	0.000	0.004	0.004	3	3125	0.000	0.000	0.010	0.010	2781
14	6.811	0.000	0.000	0.005	0.005	3	7.630	0.000	0.000	0.007	0.007	5	2284	0.000	0.000	0.008	0.008	1658
15	5.432	0.000	0.000	0.012	0.012	6	5.837	0.000	0.000	0.001	0.001	0	2361	0.000	0.000	0.009	0.009	1775
16	5.837	0.000	0.000	0.013	0.013	7	7.582	0.000	0.000	0.001	0.001	1	3787	0.000	0.000	0.027	0.027	8835
17	6.304	0.000	0.000	0.014	0.014	8	7.300	0.000	0.000	0.004	0.004	3	5304	0.000	0.000	0.022	0.022	9944
18	5.367	0.000	0.000	0.003	0.003	1	6.860	0.000	0.000	0.010	0.010	6	7488	0.000	0.000	0.014	0.014	9058
19	4.493	0.000	0.000	0.002	0.002	1	6.443	0.000	0.000	0.009	0.009	5	6037	0.000	0.000	0.011	0.011	5894
20	3.568	0.000	0.000	0.003	0.003	1	5.905	0.000	0.000	0.007	0.007	4	4803	0.000	0.000	0.031	0.031	12864
21	3.493	0.000	0.000	0.004	0.004	1	396.6	0.005	0.005	0.012	0.022	754	4499	0.000	0.000	0.007	0.007	2721
22	3.157	0.000	0.000	0.004	0.004	1	677.3	0.004	0.007	0.020	0.031	1814	1860	0.000	0.000	0.004	0.004	562
23	2.894	0.000	0.000	0.006	0.006	2	793.9	0.004	0.006	0.019	0.029	1989	1650	0.000	0.000	0.007	0.007	998
24	2.381	0.000	0.000	0.005	0.005	1	788.7	0.012	0.007	0.041	0.060	4089	765.9	0.000	0.000	0.006	0.006	397
25	3.222	0.000	0.000	0.004	0.004	1	2646	0.009	0.000	0.012	0.021	4801	753.9	0.010	0.009	0.001	0.020	1303
26	3.858	0.000	0.000	0.007	0.007	2	1811	0.000	0.000	0.022	0.022	3442	542.0	0.007	0.007	0.014	0.027	1283
27	6.907	0.000	0.000	0.009	0.009	5	1138	0.000	0.000	0.011	0.011	1081	653.8	0.007	0.002	0.003	0.012	678
28	8.808	0.000	0.000	0.006	0.006	5	1897	0.000	0.000	0.024	0.024	3933	646.0	0.013	0.002	0.001	0.016	893
29	8.345	0.000	0.000	0.002	0.002	1	1719	0.000	0.000	0.018	0.018	2703	699.8	0.017	0.002	0.005	0.024	1463
30	9.454	0.000	0.000	0.005	0.005	4	1191	0.000	0.000	0.001	0.001	103	432.7	0.007	0.014	0.005	0.026	972
31							629.5	0.000	0.000	0.093	0.093	5058	187.9	0.002	0.009	0.006	0.017	276
Ten Daily Mean																		
Ten Daily I	9.319	0.000	0.000	0.012	0.012	12	6.527	0.000	0.000	0.003	0.003	2	529.9	0.096	0.115	0.009	0.220	10006
Ten Daily II	8.536	0.000	0.000	0.006	0.006	4	7.258	0.000	0.000	0.006	0.006	4	3858	0.000	0.000	0.016	0.016	5700
Ten Daily III	5.252	0.000	0.000	0.005	0.005	2	1244	0.003	0.002	0.025	0.030	2706	1154	0.006	0.004	0.005	0.015	1050
Monthly																		
Total						183						29824						168607

Annual Sediment Load (Metric Tonnes) : 237906

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Musiri (CC000G4)

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi

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Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	178.4	0.002	0.001	0.006	0.009	139	376.1	0.001	0.001	0.008	0.010	325	439.5	0.002	0.001	0.002	0.005	190
2	672.3	0.001	0.001	0.002	0.004	232	514.7	0.001	0.002	0.004	0.006	276	302.8	0.004	0.004	0.001	0.009	235
3	677.3	0.001	0.001	0.003	0.005	293	587.5	0.001	0.002	0.004	0.007	355	255.2	0.001	0.006	0.006	0.013	287
4	434.5	0.001	0.002	0.008	0.011	413	604.1	0.001	0.001	0.003	0.005	261	140.7	0.001	0.003	0.007	0.011	135
5	234.3	0.001	0.007	0.011	0.019	385	331.0	0.003	0.002	0.002	0.007	200	61.70	0.000	0.000	0.010	0.010	53
6	178.4	0.003	0.001	0.002	0.006	92	140.7	0.003	0.003	0.001	0.007	85	71.32	0.000	0.000	0.012	0.012	71
7	196.3	0.001	0.002	0.001	0.004	68	89.23	0.003	0.007	0.004	0.014	108	48.25	0.000	0.000	0.007	0.007	29
8	120.7	0.001	0.004	0.002	0.007	73	108.1	0.004	0.008	0.005	0.017	159	33.24	0.000	0.000	0.004	0.004	11
9	213.6	0.005	0.001	0.001	0.007	129	148.3	0.004	0.004	0.011	0.019	243	28.36	0.000	0.000	0.005	0.005	12
10	432.7	0.001	0.002	0.002	0.005	187	101.8	0.001	0.001	0.013	0.015	131	43.74	0.000	0.000	0.003	0.003	11
11	537.8	0.001	0.001	0.002	0.004	186	88.60	0.001	0.001	0.018	0.020	153	29.58	0.000	0.000	0.005	0.005	14
12	593.9	0.029	0.001	0.004	0.034	1745	140.7	0.002	0.002	0.021	0.025	304	38.81	0.000	0.000	0.007	0.007	23
13	521.7	0.026	0.001	0.004	0.030	1348	269.2	0.002	0.002	0.013	0.017	395	176.9	0.000	0.000	0.004	0.004	61
14	705.5	0.002	0.001	0.001	0.004	244	212.9	0.002	0.002	0.010	0.014	248	40.25	0.000	0.000	0.004	0.004	14
15	499.3	0.001	0.001	0.004	0.006	259	365.1	0.001	0.001	0.002	0.004	126	57.58	0.000	0.000	0.003	0.003	15
16	579.2	0.001	0.001	0.004	0.006	290	317.1	0.001	0.002	0.011	0.014	384	46.15	0.000	0.000	0.004	0.004	16
17	607.2	0.001	0.001	0.004	0.006	315	381.1	0.002	0.002	0.016	0.020	659	35.75	0.000	0.000	0.003	0.003	9
18	666.9	0.001	0.002	0.008	0.011	634	170.9	0.001	0.001	0.007	0.009	133	40.93	0.000	0.000	0.003	0.003	12
19	508.4	0.001	0.001	0.004	0.006	264	385.1	0.002	0.003	0.019	0.024	782	101.4	0.000	0.000	0.002	0.002	18
20	476.3	0.002	0.002	0.007	0.011	453	430.7	0.001	0.002	0.012	0.015	558	80.67	0.000	0.000	0.002	0.002	14
21	494.0	0.002	0.002	0.007	0.012	491	428.3	0.001	0.002	0.018	0.021	777	93.43	0.000	0.000	0.002	0.002	19
22	436.3	0.001	0.002	0.008	0.011	415	478.7	0.003	0.007	0.002	0.012	496	76.70	0.000	0.000	0.004	0.004	27
23	557.3	0.002	0.002	0.018	0.023	1098	504.3	0.003	0.005	0.006	0.014	610	73.36	0.000	0.000	0.004	0.004	24
24	489.3	0.002	0.002	0.016	0.020	846	455.1	0.001	0.002	0.002	0.005	197	81.37	0.000	0.000	0.004	0.004	28
25	672.4	0.001	0.002	0.017	0.020	1162	333.9	0.002	0.002	0.003	0.007	202	76.52	0.000	0.000	0.004	0.004	26
26	712.2	0.003	0.003	0.005	0.011	677	316.3	0.001	0.003	0.001	0.005	137	81.83	0.000	0.000	0.008	0.008	57
27	705.9	0.001	0.002	0.011	0.014	854	360.0	0.002	0.002	0.001	0.005	156	25.10	0.000	0.000	0.002	0.002	4
28	736.6	0.001	0.013	0.011	0.025	1591	480.5	0.002	0.002	0.013	0.018	735	28.89	0.000	0.000	0.004	0.004	10
29	756.1	0.001	0.001	0.014	0.016	1045	432.0	0.002	0.002	0.012	0.016	597	42.33	0.000	0.000	0.007	0.007	26
30	720.1	0.001	0.001	0.013	0.015	952	439.2	0.001	0.001	0.003	0.005	190	31.84	0.000	0.000	0.007	0.007	19
31							432.7	0.001	0.001	0.001	0.003	112						
Ten Daily Mean																		
Ten Daily I	333.9	0.002	0.002	0.004	0.008	201	300.1	0.002	0.003	0.005	0.011	214	142.5	0.001	0.001	0.006	0.008	104
Ten Daily II	569.6	0.006	0.001	0.004	0.012	574	276.1	0.001	0.002	0.013	0.016	374	64.80	0.000	0.000	0.004	0.004	20
Ten Daily III	628.0	0.002	0.003	0.012	0.017	913	423.7	0.002	0.003	0.006	0.010	383	61.14	0.000	0.000	0.005	0.005	24
Monthly																		
Total						16877						10093						1471

Annual Sediment Load (Metric Tonnes) : 237906

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Musiri (CC000G4)

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi

544

Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	53.82	0.000	0.000	0.002	0.002	9	175.6	0.005	0.006	0.003	0.014	212	10.65	0.000	0.000	0.004	0.004	4
2	52.19	0.000	0.000	0.002	0.002	9	172.8	0.001	0.002	0.003	0.006	90	7.148	0.000	0.000	0.005	0.005	3
3	40.81	0.000	0.000	0.003	0.003	11	181.9	0.002	0.002	0.003	0.007	110	8.362	0.000	0.000	0.006	0.006	4
4	51.33	0.000	0.000	0.002	0.002	9	184.4	0.003	0.003	0.002	0.008	127	12.69	0.000	0.000	0.004	0.004	4
5	87.85	0.000	0.000	0.006	0.006	46	175.7	0.004	0.004	0.003	0.011	167	11.52	0.000	0.000	0.007	0.007	7
6	151.6	0.001	0.001	0.005	0.007	92	186.0	0.004	0.004	0.003	0.012	190	9.464	0.000	0.000	0.005	0.005	4
7	164.0	0.001	0.001	0.002	0.004	57	176.3	0.003	0.003	0.003	0.009	137	19.66	0.000	0.000	0.003	0.003	5
8	146.8	0.005	0.001	0.004	0.010	127	238.9	0.002	0.003	0.002	0.007	144	18.88	0.000	0.000	0.004	0.004	7
9	133.5	0.004	0.004	0.000	0.009	98	240.9	0.002	0.003	0.003	0.008	167	14.09	0.000	0.000	0.002	0.002	2
10	162.5	0.006	0.001	0.002	0.009	126	252.9	0.002	0.003	0.002	0.007	153	10.76	0.000	0.000	0.002	0.002	1
11	113.9	0.001	0.001	0.006	0.008	79	245.3	0.002	0.002	0.003	0.007	148	12.03	0.000	0.000	0.003	0.003	3
12	212.5	0.003	0.001	0.001	0.005	92	241.0	0.002	0.002	0.003	0.007	146	9.896	0.000	0.000	0.002	0.002	2
13	205.0	0.004	0.001	0.008	0.013	230	262.8	0.002	0.002	0.003	0.008	175	9.268	0.000	0.000	0.002	0.002	2
14	182.7	0.002	0.002	0.002	0.006	95	238.2	0.001	0.003	0.003	0.007	144	8.177	0.000	0.000	0.002	0.002	1
15	220.4	0.001	0.003	0.001	0.005	95	215.9	0.001	0.010	0.002	0.013	250	9.195	0.000	0.000	0.005	0.005	4
16	267.8	0.001	0.004	0.001	0.006	139	155.0	0.003	0.002	0.003	0.008	107	8.450	0.000	0.000	0.002	0.002	1
17	296.1	0.002	0.002	0.001	0.005	128	147.5	0.002	0.004	0.002	0.008	102	8.739	0.000	0.000	0.002	0.002	2
18	317.0	0.003	0.004	0.001	0.008	219	146.9	0.002	0.003	0.003	0.008	102	9.003	0.000	0.000	0.002	0.002	2
19	305.5	0.002	0.007	0.001	0.010	264	93.21	0.000	0.000	0.002	0.002	16	11.21	0.000	0.000	0.001	0.001	1
20	389.2	0.003	0.001	0.006	0.010	336	72.29	0.000	0.000	0.002	0.002	10	12.20	0.000	0.000	0.002	0.002	2
21	450.4	0.012	0.010	0.004	0.026	1012	74.44	0.000	0.000	0.013	0.013	84	15.45	0.000	0.000	0.001	0.001	1
22	449.9	0.004	0.012	0.001	0.017	661	64.04	0.000	0.000	0.009	0.009	50	15.84	0.000	0.000	0.002	0.002	3
23	372.2	0.005	0.002	0.003	0.010	312	65.16	0.000	0.000	0.010	0.010	56	16.10	0.000	0.000	0.001	0.001	1
24	422.2	0.006	0.002	0.003	0.011	401	44.14	0.000	0.000	0.004	0.004	15	12.54	0.000	0.000	0.001	0.001	1
25	288.2	0.004	0.001	0.002	0.008	187	34.57	0.000	0.000	0.004	0.004	12	9.223	0.000	0.000	0.002	0.002	2
26	270.4	0.001	0.007	0.000	0.008	196	27.90	0.000	0.000	0.003	0.003	8	9.929	0.000	0.000	0.002	0.002	2
27	216.7	0.002	0.004	0.001	0.007	131	25.10	0.000	0.000	0.003	0.003	6	9.619	0.000	0.000	0.002	0.002	2
28	204.2	0.020	0.010	0.002	0.032	565	112.7	0.000	0.000	0.005	0.005	49	10.22	0.000	0.000	0.002	0.002	2
29	190.3	0.003	0.009	0.002	0.014	230	106.7	0.000	0.000	0.004	0.004	37						
30	202.8	0.002	0.008	0.003	0.013	228	31.51	0.000	0.000	0.004	0.004	11						
31	201.5	0.002	0.008	0.003	0.013	226	15.50	0.000	0.000	0.004	0.004	5						
Ten Daily Mean																		
Ten Daily I	104.4	0.002	0.001	0.003	0.005	58	198.5	0.003	0.003	0.003	0.009	150	12.32	0.000	0.000	0.004	0.004	4
Ten Daily II	251.0	0.002	0.003	0.003	0.008	168	181.8	0.002	0.003	0.003	0.007	120	9.817	0.000	0.000	0.002	0.002	2
Ten Daily III	297.2	0.006	0.007	0.002	0.014	377	54.70	0.000	0.000	0.006	0.006	30	12.36	0.000	0.000	0.002	0.002	2
Monthly																		

Total

6408

3029

74

Annual Sediment Load (Metric Tonnes) : 237906

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Musiri (CC000G4)

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi

545

Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	9.718	0.000	0.000	0.002	0.002	2	2.240	0.000	0.000	0.002	0.002	0	9.505	0.000	0.000	0.002	0.002	2
2	9.771	0.000	0.000	0.002	0.002	2	2.006	0.000	0.000	0.005	0.005	1	8.370	0.000	0.000	0.002	0.002	1
3	28.41	0.000	0.000	0.006	0.006	14	156.4	0.002	0.004	0.003	0.009	122	2.943	0.000	0.000	0.005	0.005	1
4	9.395	0.000	0.000	0.006	0.006	5	146.8	0.005	0.005	0.006	0.016	203	2.796	0.000	0.000	0.003	0.003	1
5	9.858	0.000	0.000	0.008	0.008	7	151.2	0.002	0.003	0.010	0.015	196	2.714	0.000	0.000	0.003	0.003	1
6	11.04	0.000	0.000	0.004	0.004	4	148.5	0.002	0.004	0.002	0.008	103	7.336	0.000	0.000	0.002	0.002	1
7	12.27	0.000	0.000	0.004	0.004	4	125.1	0.002	0.003	0.002	0.007	73	6.403	0.000	0.000	0.002	0.002	1
8	3.388	0.000	0.000	0.003	0.003	1	144.5	0.003	0.004	0.007	0.014	175	6.325	0.000	0.000	0.002	0.002	1
9	3.211	0.000	0.000	0.003	0.003	1	141.9	0.002	0.004	0.007	0.013	159	8.106	0.000	0.000	0.002	0.002	1
10	5.010	0.000	0.000	0.005	0.005	2	103.6	0.001	0.002	0.004	0.007	63	8.886	0.000	0.000	0.002	0.002	2
11	9.654	0.000	0.000	0.002	0.002	2	92.13	0.001	0.001	0.004	0.006	48	8.819	0.000	0.000	0.003	0.003	2
12	11.03	0.000	0.000	0.003	0.003	3	12.95	0.000	0.000	0.002	0.002	2	8.173	0.000	0.000	0.003	0.003	2
13	20.55	0.000	0.000	0.002	0.002	4	11.95	0.000	0.000	0.005	0.005	5	13.47	0.000	0.000	0.005	0.005	6
14	17.87	0.000	0.000	0.005	0.005	8	13.07	0.000	0.000	0.006	0.006	6	8.272	0.000	0.000	0.002	0.002	1
15	21.59	0.000	0.000	0.004	0.004	7	8.131	0.000	0.000	0.004	0.004	3	7.688	0.000	0.000	0.004	0.004	3
16	19.10	0.000	0.000	0.005	0.005	8	7.206	0.000	0.000	0.001	0.001	1	7.659	0.000	0.000	0.003	0.003	2
17	21.43	0.000	0.000	0.006	0.006	10	9.434	0.000	0.000	0.001	0.001	1	16.98	0.000	0.000	0.004	0.004	6
18	18.77	0.000	0.000	0.001	0.001	2	9.434	0.000	0.000	0.001	0.001	1	13.88	0.000	0.000	0.003	0.003	4
19	17.05	0.000	0.000	0.002	0.002	3	8.173	0.000	0.000	0.001	0.001	1	12.28	0.000	0.000	0.003	0.003	3
20	14.29	0.000	0.000	0.002	0.002	2	7.678	0.000	0.000	0.002	0.002	1	11.25	0.000	0.000	0.002	0.002	2
21	12.98	0.000	0.000	0.002	0.002	2	13.88	0.000	0.000	0.002	0.002	2	3.094	0.000	0.000	0.004	0.004	1
22	4.152	0.000	0.000	0.003	0.003	1	7.952	0.000	0.000	0.002	0.002	1	3.324	0.000	0.000	0.002	0.002	1
23	5.167	0.000	0.000	0.002	0.002	1	7.737	0.000	0.000	0.002	0.002	1	4.198	0.000	0.000	0.003	0.003	1
24	4.152	0.000	0.000	0.002	0.002	1	7.724	0.000	0.000	0.002	0.002	1	4.289	0.000	0.000	0.004	0.004	1
25	3.165	0.000	0.000	0.001	0.001	0	6.555	0.000	0.000	0.002	0.002	1	4.744	0.000	0.000	0.003	0.003	1
26	3.548	0.000	0.000	0.002	0.002	1	17.94	0.000	0.000	0.002	0.002	3	3.953	0.000	0.000	0.003	0.003	1
27	3.357	0.000	0.000	0.002	0.002	1	24.50	0.000	0.000	0.002	0.002	4	4.213	0.000	0.000	0.006	0.006	2
28	5.212	0.000	0.000	0.002	0.002	1	22.52	0.000	0.000	0.002	0.002	4	3.624	0.000	0.000	0.005	0.005	2
29	4.358	0.000	0.000	0.002	0.002	1	10.94	0.000	0.000	0.002	0.002	2	3.431	0.000	0.000	0.003	0.003	1
30	3.365	0.000	0.000	0.003	0.003	1	9.639	0.000	0.000	0.001	0.001	1	2.823	0.000	0.000	0.003	0.003	1
31	2.714	0.000	0.000	0.001	0.001	0							3.192	0.000	0.000	0.002	0.002	1
Ten Daily Mean																		
Ten Daily I	10.21	0.000	0.000	0.004	0.004	4	112.2	0.002	0.003	0.005	0.010	109	6.338	0.000	0.000	0.002	0.002	1
Ten Daily II	17.13	0.000	0.000	0.003	0.003	5	18.02	0.000	0.000	0.003	0.003	7	10.85	0.000	0.000	0.003	0.003	3
Ten Daily III	4.743	0.000	0.000	0.002	0.002	1	12.94	0.000	0.000	0.002	0.002	2	3.717	0.000	0.000	0.003	0.003	1
Monthly																		
Total							99					1185						55

Annual Sediment Load (Metric Tonnes) : 237906

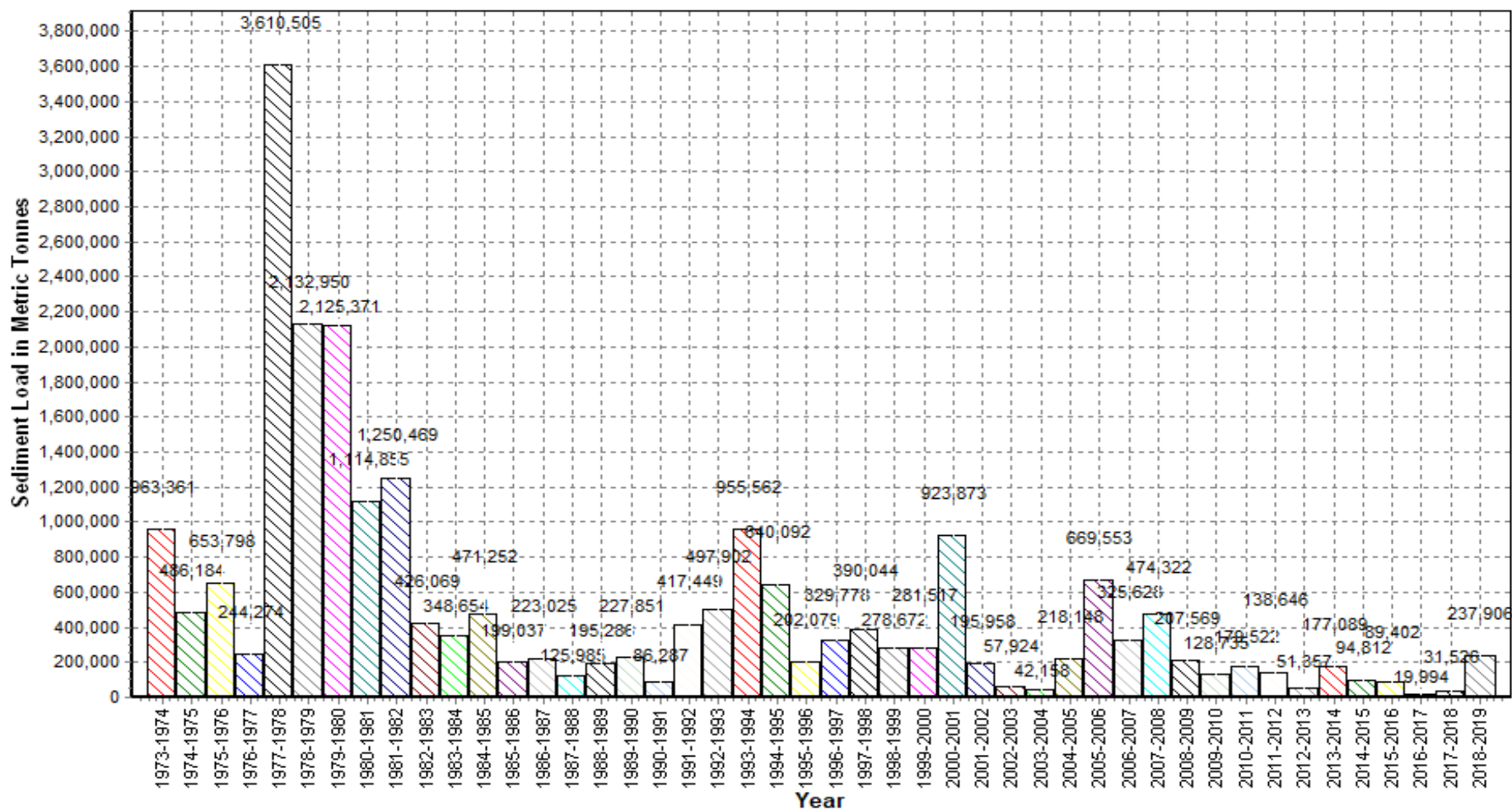
Annual Sediment Load for the period: 1973-2019

Station Name : Musiri (CC000G4)

Local River : Cauvery

Division : SR Division, Coimbatore

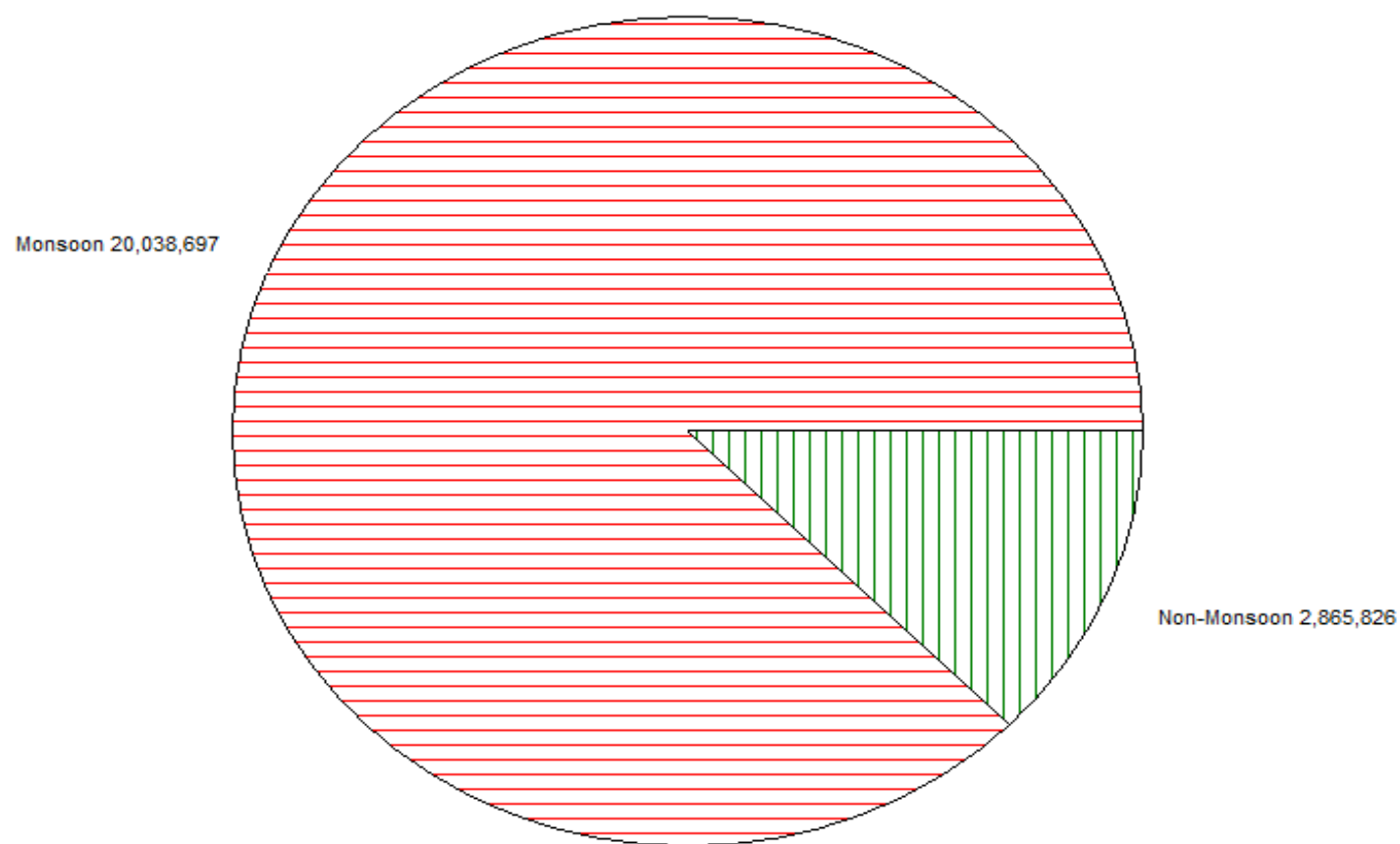
Sub-Division : Lower Cauvery SD, Trichi



Station Name : Musiri (CC000G4)
Local River : Cauvery

Seasonal Sediment Load for the period : 1973-2018

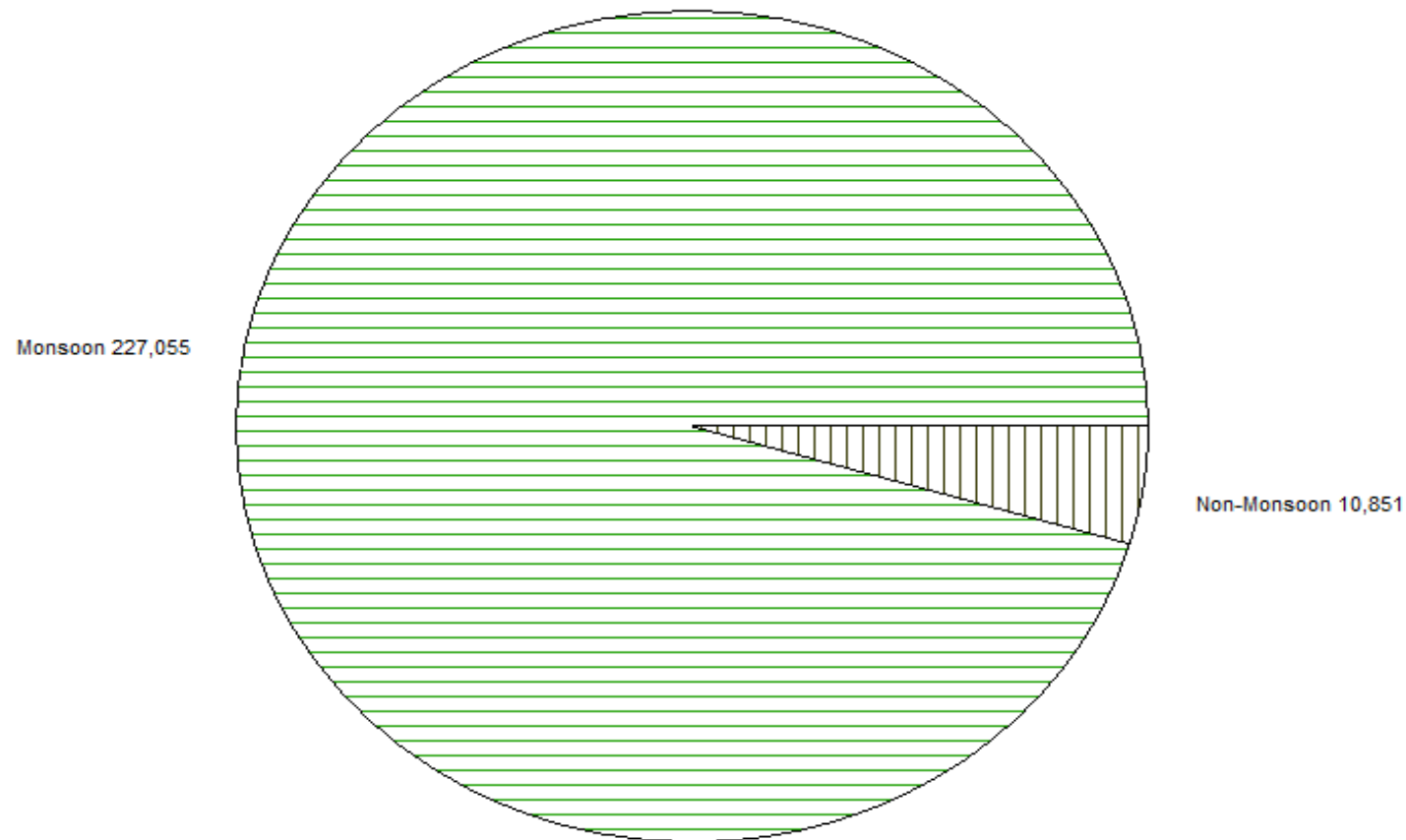
Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichi



Station Name : Musiri (CC000G4)
Local River : Cauvery

Seasonal Sediment Load for the Year: 2018-2019

Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichi



BED MATERIAL ANALYSIS DATA

RIVER : CAUVERY

CODE No. : CC000G4

SITE : MUSIRI

CROSS SECTION : SGL

Sl.No.	DATA FOR SAMPLE COLLECTED										GENERAL DATA OF THE RIVER								
	R.D.(m)	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L.(GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/s)	DISCHARGE (m³/s)	Bed Material Composition		WETTED PERIMETER (m)	HYDRAULIC MEAN DEPTH (m)	MEAN VELOCITY (m/s)	SURFACE WATER SLOPE	DISCHARGE (m³/s)	Bed Material Composition			
									MAX SIZE (mm)	MEAN SIZE (mm)						MAX SIZE (mm)	MEAN SIZE (mm)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
MONSOON 2018										DATE OF COLLECTION		22/12/2018							
1	150	81.895	-	-	-	858.0	0.514	0.745	16.0	0.81									
2	300	81.530	-	-	-				17.0	1.36									
3	450	-	79.990	81.440	1.45				4.5	0.64									
4	600	-	80.180	81.440	1.260				8.0	0.83									
5	750	-	80.860	81.440	0.58				18.0	1.77									
6	900	81.500	-	-	-				13.0	1.21									
7	1050	-	80.180	81.440	1.260				10.0	1.20									
8	1200	-	80.190	81.440	1.250				0.804	1.005								7.0	1.15
POST MONSOON 2019										DATE OF COLLECTION		22/02/2019							
1	150	81.905	-	-	-				12.0	0.89									
2	300	81.550	-	-	-				10.0	1.27									
3	450	81.580	-	-	-				5.0	0.55									
4	600	80.480	-	-	-				14.0	1.37									
5	750	80.840	-	-	-				15.0	2.20									
6	900	82.170	-	-	-				24.0	1.66									
7	1050	-	79.960	80.330	0.370				16.0	2.51									
8	1200	-	80.240	80.350	0.110				212	0.118								0.059	18.0
PRE MONSOON 2019										DATE OF COLLECTION		22/05/2019							
1	150	81.735	-	-	-	147	0.089	0.365	10.0	1.14	147.03	0.256	0.0892	0.00059	0.365	25.0	1.22		
2	300	81.495	-	-	-				15.0	1.91									
3	450	80.565	-	-	-				8.0	0.57									
4	600	80.745	-	-	-				8.0	1.17									
5	750	81.050	-	-	-				25.0	2.12									
6	900	82.050	-	-	-				9.0	0.99									
7	1050	-	79.685	80.085	0.400				10.0	1.27									
8	1200	80.230	-	-	-				10.0	1.18									

Annual Sediment Load for period : 1980-2019

Station Name : Nallamaranpatty (CCD00D5)

Division : SR Division, Coimbatore

Local River : Amaravathy

Sub-Division : Lower Cauvery SD, Trichi

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1980-1981	52958	508	53466	159
1981-1982	90403	3928	94331	324
1982-1983	2161	97	2258	33
1983-1984	25300	97690	122990	276
1984-1985	32753	4952	37705	111
1985-1986	23785	1012	24797	42
1986-1987	17719	15	17734	68
1987-1988	8109	27451	35560	173
1988-1989	1863	9	1872	52
1989-1990	44306	55558	99864	271
1990-1991	11747	1815	13562	47
1991-1992	1852	20	1872	32
1992-1993	127117	2885	130002	326
1993-1994	127849	47580	175429	1760
1994-1995	73351	4379	77730	491
1995-1996	2027	1	2028	54
1996-1997	12525	31988	44513	308
1997-1998	80666	28699	109365	736
1998-1999	35661	32360	68021	514
1999-2000	24762	6330	31092	324
2000-2001	4699	1546	6245	140
2001-2002	504	45	549	33
2002-2003	1729	32	1761	32
2003-2004	345	138	483	14
2004-2005	10881	69	10950	162
2005-2006	31366	26660	58026	975
2006-2007	689	138	827	48
2007-2008	16252	282442	298694	460
2008-2009	15290	1358	16648	228
2009-2010	6434	243	6677	163
2010-2011	178	343	521	288
2011-2012	5118	3664	8782	189
2012-2013	56	0	56	6
2013-2014	117	0	117	39
2014-2015	18410	222	18632	150
2015-2016	289	23459	23748	358
2016-2017	407	0	407	8
2017-2018	2384	169	2554	31
2018-2019	12296	431	12727	263

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Nallamaranpatty (CCD00D5)
Local River : Amaravathy

Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichi

551

Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	3.856	0.000	0.000	0.015	0.015	5
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	196.7	0.000	0.000	0.025	0.025	425
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	282.7	0.000	0.000	0.030	0.030	721
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	660.1	0.000	0.000	0.095	0.095	5441
18	28.84	0.000	0.000	0.015	0.015	37	0.000	0.000	0.000	0.000	0.000	0	324.1	0.000	0.000	0.103	0.103	2870
19	4.712	0.000	0.000	0.014	0.014	6	96.28	0.000	0.000	0.038	0.038	314	234.5	0.000	0.000	0.015	0.015	304
20	1.022	0.000	0.000	0.010	0.010	1	61.48	0.000	0.000	0.030	0.030	159	225.3	0.000	0.000	0.014	0.014	280
21	0.811	0.000	0.000	0.008	0.008	1	8.126	0.000	0.000	0.040	0.040	28	28.41	0.000	0.000	0.043	0.043	106
22	0.566	0.000	0.000	0.006	0.006	0	19.66	0.000	0.000	0.064	0.064	108	15.37	0.000	0.000	0.023	0.023	31
23	0.000	0.000	0.000	0.000	0.000	0	1.300	0.000	0.000	0.026	0.026	3	3.655	0.000	0.000	0.006	0.006	2
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.578	0.000	0.000	0.004	0.004	1
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31							0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	3.457	0.000	0.000	0.004	0.004	4	15.78	0.000	0.000	0.007	0.007	47	192.7	0.000	0.000	0.030	0.030	1005
Ten Daily III	0.138	0.000	0.000	0.001	0.001	0	2.644	0.000	0.000	0.012	0.012	13	4.547	0.000	0.000	0.007	0.007	13
Monthly																		
Total						45						612						10186

Annual Sediment Load (Metric Tonnes) : 12727

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Nallamaranpatty (CCD00D5)

Local River : Amaravathy

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi

552

Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	13.05	0.000	0.000	0.033	0.033	37	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	10.85	0.000	0.000	0.016	0.016	15	18.41	0.000	0.000	0.023	0.023	36
3	0.000	0.000	0.000	0.000	0.000	0	10.80	0.000	0.000	0.016	0.016	15	45.75	0.000	0.000	0.019	0.019	74
4	0.000	0.000	0.000	0.000	0.000	0	10.43	0.000	0.000	0.014	0.014	13	25.66	0.000	0.000	0.011	0.011	23
5	0.000	0.000	0.000	0.000	0.000	0	2.087	0.000	0.000	0.003	0.003	1	11.40	0.000	0.000	0.017	0.017	16
6	0.000	0.000	0.000	0.000	0.000	0	1.306	0.000	0.000	0.002	0.002	0	7.913	0.000	0.000	0.012	0.012	8
7	0.000	0.000	0.000	0.000	0.000	0	16.61	0.000	0.000	0.060	0.060	86	1.684	0.000	0.000	0.077	0.077	11
8	0.000	0.000	0.000	0.000	0.000	0	10.33	0.000	0.000	0.061	0.061	54	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	7.360	0.000	0.000	0.009	0.009	6	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	7.462	0.000	0.000	0.008	0.008	5	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	9.342	0.000	0.000	0.022	0.022	18	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	2.095	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	9.552	0.000	0.000	0.025	0.025	21	20.28	0.000	0.000	0.024	0.024	42
18	0.000	0.000	0.000	0.000	0.000	0	16.61	0.000	0.000	0.060	0.060	86	58.20	0.000	0.000	0.068	0.068	342
19	0.000	0.000	0.000	0.000	0.000	0	11.37	0.000	0.000	0.020	0.020	20	13.82	0.000	0.000	0.009	0.009	10
20	0.000	0.000	0.000	0.000	0.000	0	11.33	0.000	0.000	0.031	0.031	30	3.332	0.000	0.000	0.002	0.002	1
21	0.000	0.000	0.000	0.000	0.000	0	10.85	0.000	0.000	0.016	0.016	15	7.026	0.000	0.000	0.004	0.004	2
22	0.000	0.000	0.000	0.000	0.000	0	24.66	0.000	0.000	0.011	0.011	23	21.68	0.000	0.000	0.010	0.010	18
23	0.000	0.000	0.000	0.000	0.000	0	28.42	0.000	0.000	0.010	0.010	25	16.61	0.000	0.000	0.002	0.002	3
24	0.000	0.000	0.000	0.000	0.000	0	7.563	0.000	0.000	0.059	0.059	39	17.46	0.000	0.000	0.002	0.002	4
25	24.53	0.000	0.000	0.021	0.021	45	4.188	0.000	0.000	0.034	0.034	12	15.37	0.000	0.000	0.002	0.002	3
26	7.666	0.000	0.000	0.013	0.013	9	0.000	0.000	0.000	0.000	0.000	0	19.73	0.000	0.000	0.018	0.018	31
27	11.10	0.000	0.000	0.022	0.022	21	0.000	0.000	0.000	0.000	0.000	0	17.11	0.000	0.000	0.016	0.016	24
28	12.15	0.000	0.000	0.042	0.042	44	0.000	0.000	0.000	0.000	0.000	0	6.019	0.000	0.000	0.014	0.014	7
29	13.17	0.000	0.000	0.048	0.048	55	0.000	0.000	0.000	0.000	0.000	0	2.460	0.000	0.000	0.006	0.006	1
30	16.61	0.000	0.000	0.061	0.061	87	0.000	0.000	0.000	0.000	0.000	0	16.55	0.000	0.000	0.012	0.012	17
31							0.000	0.000	0.000	0.000	0.000	0						
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	9.028	0.000	0.000	0.022	0.022	23	11.08	0.000	0.000	0.016	0.016	17
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	6.030	0.000	0.000	0.016	0.016	17	9.563	0.000	0.000	0.010	0.010	39
Ten Daily III	8.523	0.000	0.000	0.021	0.021	26	6.880	0.000	0.000	0.012	0.012	10	14.00	0.000	0.000	0.009	0.009	11
Monthly																		
Total						260						521						673

Annual Sediment Load (Metric Tonnes) : 12727

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Nallamaranpatty (CCD00D5)
Local River : Amaravathy

Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichi

553

Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	34.02	0.000	0.000	0.023	0.023	68	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	24.36	0.000	0.000	0.017	0.017	35	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	18.58	0.000	0.000	0.027	0.027	43	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	13.81	0.000	0.000	0.027	0.027	32	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	16.73	0.000	0.000	0.024	0.024	35	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	14.12	0.000	0.000	0.038	0.038	46	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	28.17	0.000	0.000	0.023	0.023	56	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	11.60	0.000	0.000	0.027	0.027	27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	4.286	0.000	0.000	0.010	0.010	4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.738	0.000	0.000	0.000	0.000	0	4.121	0.000	0.000	0.044	0.044	16	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	3.035	0.000	0.000	0.043	0.043	11	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	5.773	0.000	0.000	0.039	0.039	20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	1.493	0.000	0.000	0.092	0.092	12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	4.058	0.000	0.000	0.044	0.044	15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.658	0.000	0.000	0.010	0.010	1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	2.875	0.000	0.000	0.046	0.046	11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
31	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
Ten Daily Mean																		
Ten Daily I	16.57	0.000	0.000	0.022	0.022	35	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.651	0.000	0.000	0.004	0.004	2	0.716	0.000	0.000	0.009	0.009	3	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.826	0.000	0.000	0.017	0.017	4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						404						27						

Annual Sediment Load (Metric Tonnes) : 12727

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Nallamaranpatty (CCD00D5)
Local River : Amaravathy

Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichi

554

Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31	0.000	0.000	0.000	0.000	0.000	0							0.000	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						0						0

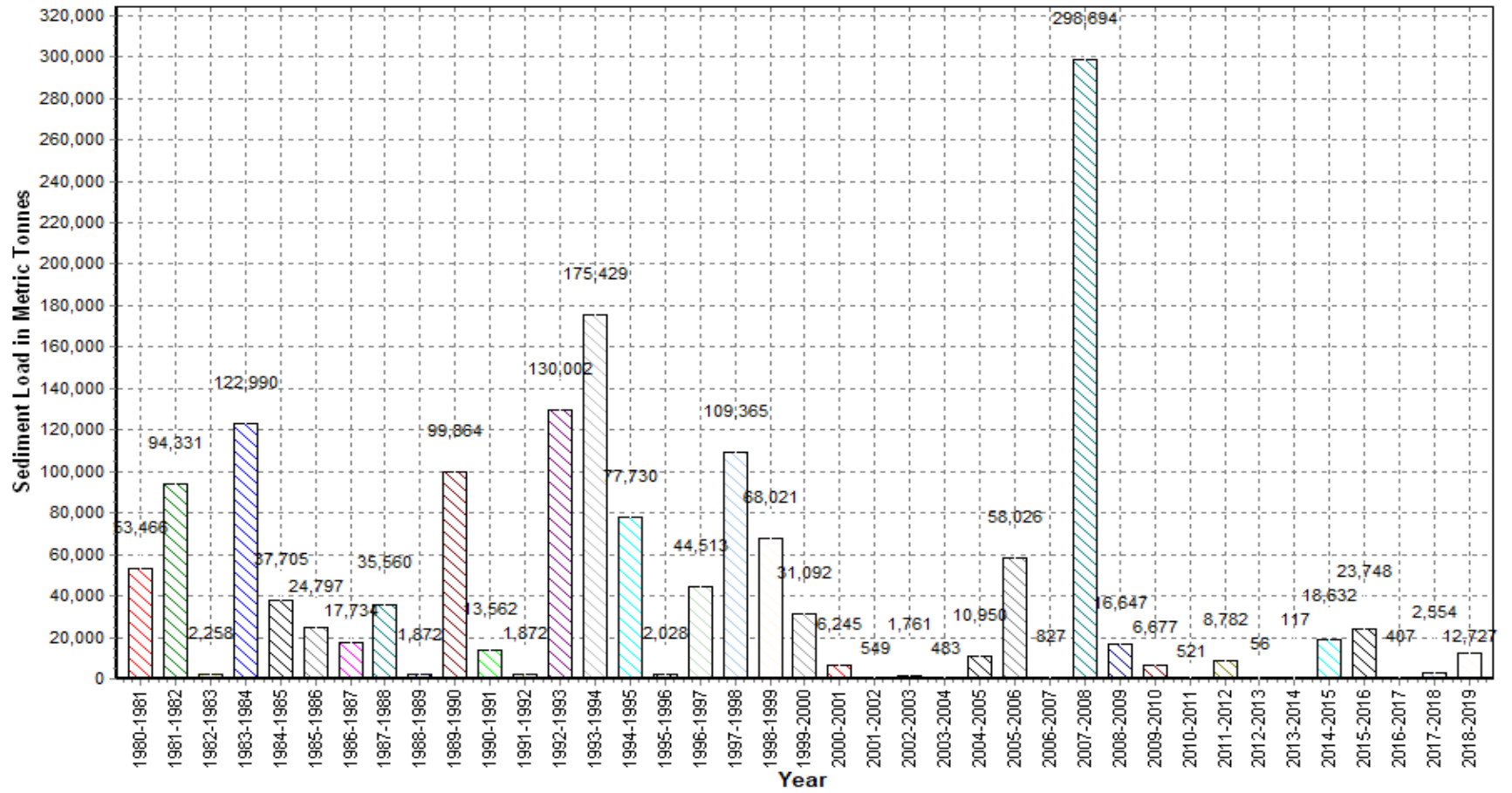
Annual Sediment Load (Metric Tonnes) : 12727

Annual Sediment Load for the period: 1980-2019

Station Name : Nallamaranpatty (CCD00D5)
Local River : Amaravathy

Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichi

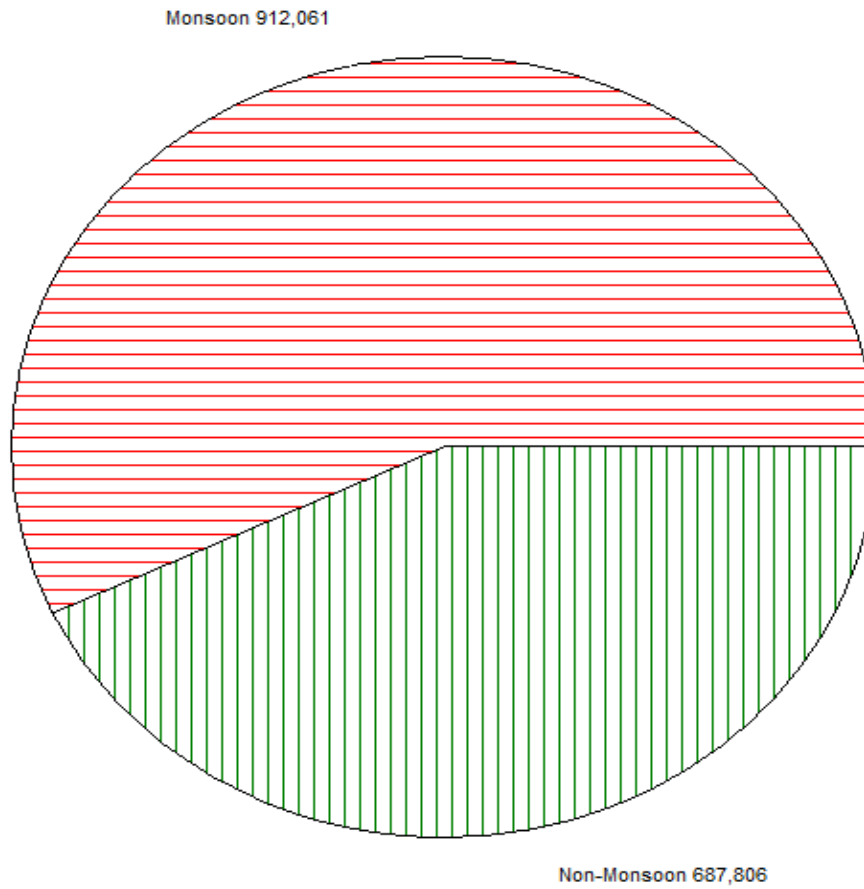
SS



Station Name : Nallamaranpatty (CCD00D5)
Local River : Amaravathy

Seasonal Sediment Load for the period : 1980-2018

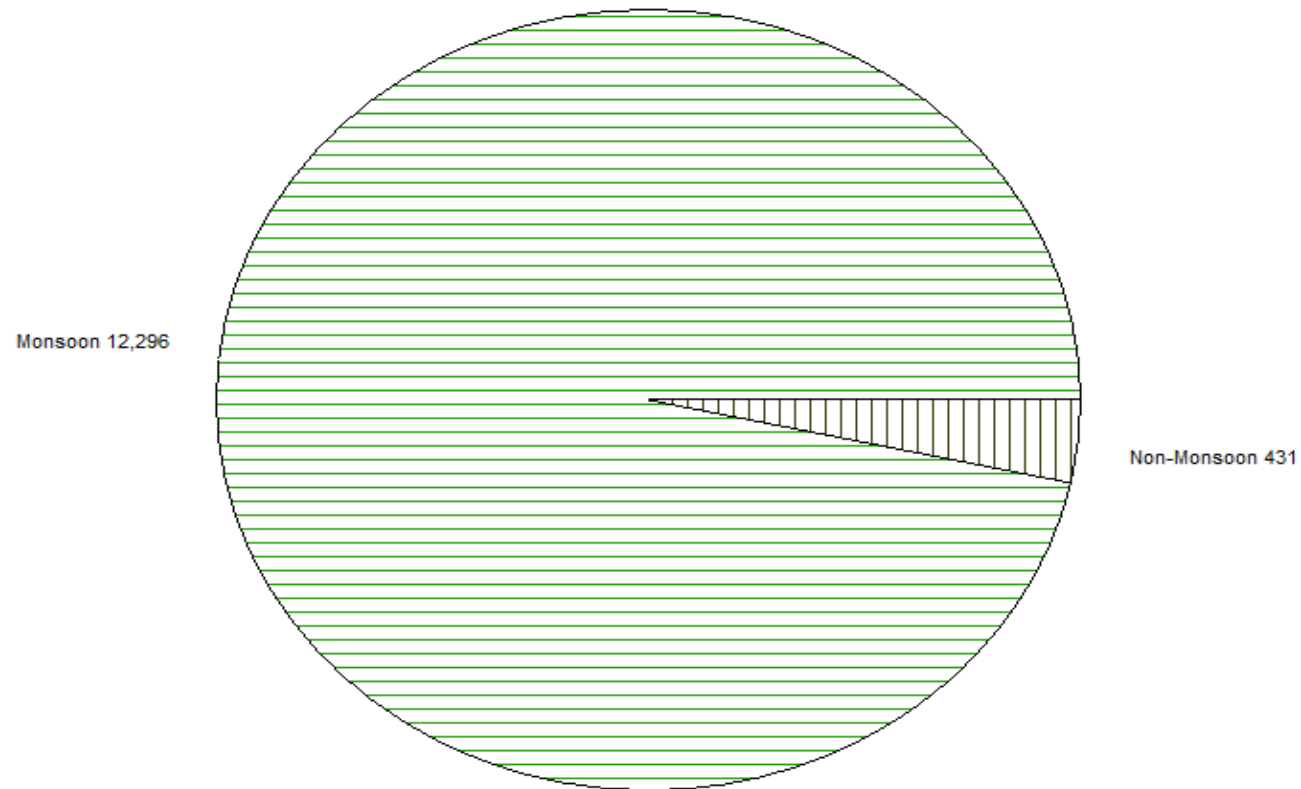
Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichi



Station Name : Nallamaranpatty (CCD00D5)
Local River : Amaravathy

Seasonal Sediment Load for the Year: 2018-2019

Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichi



RIVER	:	AMARAVATHY	CODE No.	:	CCD00D5
SITE	:	NALLAMARANPATTY	CROSS SECTION	:	SGL

558

Annual Sediment Load for period : 2013-2019

Station Name : Elunuthimangalam (CCF00A4)

Division : SR Division, Coimbatore

Local River : Noyyal

Sub-Division : Lower Cauvery SD, Trichy

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
2013-2014	302	241	543	32
2014-2015	1843	4526	6369	214
2015-2016	8599	5896	14495	470
2016-2017	0	0	0	0
2017-2018	1636	399	2035	56
2018-2019	1756	344	2100	93

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Elunuthimangalam (CCF00A4)

Local River : Noyyal

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichy

560

Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.963	0.000	0.000	0.024	0.024	2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.636	0.000	0.000	0.020	0.020	1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	1.611	0.000	0.000	0.029	0.029	4
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	1.577	0.000	0.000	0.029	0.029	4
16	0.000	0.000	0.000	0.000	0.000	0	1.264	0.000	0.000	0.045	0.045	5	0.701	0.000	0.000	0.105	0.105	6
17	0.000	0.000	0.000	0.000	0.000	0	2.500	0.000	0.000	0.014	0.014	3	12.94	0.000	0.000	0.012	0.012	13
18	1.781	0.000	0.000	0.036	0.036	6	1.909	0.000	0.000	0.027	0.027	4	15.59	0.000	0.000	0.022	0.022	30
19	0.740	0.000	0.000	0.042	0.042	3	1.362	0.000	0.000	0.041	0.041	5	24.68	0.000	0.000	0.035	0.035	74
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	14.27	0.000	0.000	0.038	0.038	47
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	13.66	0.000	0.000	0.016	0.016	19
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	10.62	0.000	0.000	0.012	0.012	11
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	6.218	0.000	0.000	0.025	0.025	13
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	3.795	0.000	0.000	0.041	0.041	13
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	4.322	0.000	0.000	0.027	0.027	10
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	3.321	0.000	0.000	0.021	0.021	6
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.056	0.000	0.000	0.044	0.044	8
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.807	0.000	0.000	0.035	0.035	8
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	3.939	0.000	0.000	0.062	0.062	21
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.986	0.000	0.000	0.016	0.016	4
31							0.000	0.000	0.000	0.000	0.000	0	1.918	0.000	0.000	0.020	0.020	3
<u>Ten Daily Mean</u>																		
Ten Daily I	0.160	0.000	0.000	0.004	0.004	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.252	0.000	0.000	0.008	0.008	1	0.704	0.000	0.000	0.013	0.013	2	7.137	0.000	0.000	0.027	0.027	18
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	5.058	0.000	0.000	0.029	0.029	11
<u>Monthly</u>																		
Total						11						17						296

Annual Sediment Load (Metric Tonnes) : 2100

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Elunuthimangalam (CCF00A4)

Local River : Noyyal

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichy

561

Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	1.672	0.000	0.000	0.057	0.057	8	11.58	0.000	0.000	0.020	0.020	20	5.710	0.000	0.000	0.026	0.026	13
2	2.115	0.000	0.000	0.059	0.059	11	9.053	0.000	0.000	0.035	0.035	28	6.745	0.000	0.000	0.043	0.043	25
3	1.435	0.000	0.000	0.056	0.056	7	9.031	0.000	0.000	0.035	0.035	27	9.458	0.000	0.000	0.045	0.045	37
4	1.143	0.000	0.000	0.031	0.031	3	6.567	0.000	0.000	0.032	0.032	18	9.053	0.000	0.000	0.043	0.043	34
5	0.777	0.000	0.000	0.102	0.102	7	14.19	0.000	0.000	0.021	0.021	26	9.110	0.000	0.000	0.047	0.047	37
6	0.790	0.000	0.000	0.089	0.089	6	9.366	0.000	0.000	0.014	0.014	11	8.090	0.000	0.000	0.042	0.042	29
7	0.706	0.000	0.000	0.067	0.067	4	8.324	0.000	0.000	0.012	0.012	9	6.769	0.000	0.000	0.054	0.054	32
8	0.723	0.000	0.000	0.050	0.050	3	17.03	0.000	0.000	0.014	0.014	21	6.397	0.000	0.000	0.020	0.020	11
9	0.550	0.000	0.000	0.039	0.039	2	20.44	0.000	0.000	0.010	0.010	18	5.964	0.000	0.000	0.023	0.023	12
10	0.790	0.000	0.000	0.043	0.043	3	19.45	0.000	0.000	0.008	0.008	13	5.597	0.000	0.000	0.032	0.032	15
11	1.273	0.000	0.000	0.147	0.147	16	18.31	0.000	0.000	0.006	0.006	9	5.767	0.000	0.000	0.033	0.033	16
12	0.835	0.000	0.000	0.081	0.081	6	11.64	0.000	0.000	0.000	0.000	0	5.202	0.000	0.000	0.032	0.032	14
13	0.461	0.000	0.000	0.030	0.030	1	10.21	0.000	0.000	0.024	0.024	21	5.267	0.000	0.000	0.034	0.034	15
14	0.704	0.000	0.000	0.065	0.065	4	8.563	0.000	0.000	0.020	0.020	15	4.977	0.000	0.000	0.013	0.013	5
15	0.853	0.000	0.000	0.079	0.079	6	14.45	0.000	0.000	0.013	0.013	16	4.626	0.000	0.000	0.015	0.015	6
16	1.227	0.000	0.000	0.007	0.007	1	10.17	0.000	0.000	0.012	0.012	11	5.954	0.000	0.000	0.015	0.015	8
17	1.227	0.000	0.000	0.012	0.012	1	10.02	0.000	0.000	0.009	0.009	8	13.08	0.000	0.000	0.020	0.020	22
18	1.105	0.000	0.000	0.021	0.021	2	9.304	0.000	0.000	0.008	0.008	7	10.90	0.000	0.000	0.014	0.014	13
19	1.046	0.000	0.000	0.050	0.050	5	8.563	0.000	0.000	0.007	0.007	5	10.86	0.000	0.000	0.014	0.014	13
20	0.875	0.000	0.000	0.096	0.096	7	9.226	0.000	0.000	0.017	0.017	13	8.621	0.000	0.000	0.016	0.016	12
21	0.939	0.000	0.000	0.103	0.103	8	7.410	0.000	0.000	0.013	0.013	8	8.090	0.000	0.000	0.015	0.015	10
22	0.845	0.000	0.000	0.028	0.028	2	6.638	0.000	0.000	0.025	0.025	14	8.683	0.000	0.000	0.024	0.024	18
23	1.572	0.000	0.000	0.039	0.039	5	10.62	0.000	0.000	0.026	0.026	24	15.21	0.000	0.000	0.043	0.043	56
24	0.815	0.000	0.000	0.065	0.065	5	8.754	0.000	0.000	0.013	0.013	10	13.41	0.000	0.000	0.008	0.008	9
25	1.374	0.000	0.000	0.018	0.018	2	7.116	0.000	0.000	0.030	0.030	18	11.75	0.000	0.000	0.007	0.007	7
26	1.697	0.000	0.000	0.015	0.015	2	6.728	0.000	0.000	0.037	0.037	21	10.91	0.000	0.000	0.010	0.010	9
27	3.601	0.000	0.000	0.040	0.040	12	6.268	0.000	0.000	0.036	0.036	20	9.620	0.000	0.000	0.011	0.011	9
28	3.865	0.000	0.000	0.043	0.043	14	6.976	0.000	0.000	0.040	0.040	24	8.792	0.000	0.000	0.012	0.012	9
29	5.706	0.000	0.000	0.063	0.063	31	6.429	0.000	0.000	0.043	0.043	24	7.517	0.000	0.000	0.014	0.014	9
30	15.21	0.000	0.000	0.169	0.169	222	5.503	0.000	0.000	0.039	0.039	18	8.353	0.000	0.000	0.010	0.010	7
31							5.394	0.000	0.000	0.067	0.067	31						
<u>Ten Daily Mean</u>																		
Ten Daily I	1.070	0.000	0.000	0.059	0.059	5	12.50	0.000	0.000	0.020	0.020	19	7.289	0.000	0.000	0.038	0.038	24
Ten Daily II	0.961	0.000	0.000	0.059	0.059	5	11.05	0.000	0.000	0.012	0.012	11	7.526	0.000	0.000	0.020	0.020	12
Ten Daily III	3.562	0.000	0.000	0.058	0.058	30	7.076	0.000	0.000	0.034	0.034	19	10.23	0.000	0.000	0.015	0.015	14
<u>Monthly</u>																		
Total						407						510						514

Annual Sediment Load (Metric Tonnes) : 2100

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Elunuthimangalam (CCF00A4)

Local River : Noyyal

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichy

562

Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	8.473	0.000	0.000	0.013	0.013	10	5.221	0.000	0.000	0.004	0.004	2	1.217	0.000	0.000	0.014	0.014	1
2	7.801	0.000	0.000	0.012	0.012	8	4.247	0.000	0.000	0.004	0.004	1	0.972	0.000	0.000	0.015	0.015	1
3	6.719	0.000	0.000	0.013	0.013	7	3.315	0.000	0.000	0.005	0.005	1	0.922	0.000	0.000	0.014	0.014	1
4	7.108	0.000	0.000	0.011	0.011	6	2.662	0.000	0.000	0.005	0.005	1	0.956	0.000	0.000	0.011	0.011	1
5	8.770	0.000	0.000	0.011	0.011	8	2.319	0.000	0.000	0.005	0.005	1	0.869	0.000	0.000	0.017	0.017	1
6	8.003	0.000	0.000	0.012	0.012	8	2.307	0.000	0.000	0.005	0.005	1	0.467	0.000	0.000	0.020	0.020	1
7	8.004	0.000	0.000	0.013	0.013	9	2.037	0.000	0.000	0.012	0.012	2	0.446	0.000	0.000	0.020	0.020	1
8	7.149	0.000	0.000	0.012	0.012	7	1.642	0.000	0.000	0.010	0.010	1	1.010	0.000	0.000	0.020	0.020	2
9	6.439	0.000	0.000	0.011	0.011	6	1.675	0.000	0.000	0.084	0.084	12	1.054	0.000	0.000	0.018	0.018	2
10	6.099	0.000	0.000	0.014	0.014	7	1.195	0.000	0.000	0.011	0.011	1	0.862	0.000	0.000	0.015	0.015	1
11	5.943	0.000	0.000	0.018	0.018	9	1.141	0.000	0.000	0.009	0.009	1	1.225	0.000	0.000	0.025	0.025	3
12	5.967	0.000	0.000	0.009	0.009	5	1.517	0.000	0.000	0.009	0.009	1	1.069	0.000	0.000	0.018	0.018	2
13	5.688	0.000	0.000	0.010	0.010	5	1.917	0.000	0.000	0.011	0.011	2	1.235	0.000	0.000	0.032	0.032	3
14	6.070	0.000	0.000	0.017	0.017	9	1.640	0.000	0.000	0.011	0.011	2	1.355	0.000	0.000	0.002	0.002	0
15	5.591	0.000	0.000	0.015	0.015	7	1.917	0.000	0.000	0.011	0.011	2	1.329	0.000	0.000	0.021	0.021	2
16	5.900	0.000	0.000	0.016	0.016	8	1.511	0.000	0.000	0.007	0.007	1	1.507	0.000	0.000	0.017	0.017	2
17	5.712	0.000	0.000	0.009	0.009	4	1.617	0.000	0.000	0.011	0.011	2	1.651	0.000	0.000	0.019	0.019	3
18	6.048	0.000	0.000	0.006	0.006	3	1.632	0.000	0.000	0.012	0.012	2	1.276	0.000	0.000	0.016	0.016	2
19	6.044	0.000	0.000	0.013	0.013	7	1.977	0.000	0.000	0.008	0.008	1	1.039	0.000	0.000	0.015	0.015	1
20	6.103	0.000	0.000	0.014	0.014	7	1.917	0.000	0.000	0.016	0.016	3	1.009	0.000	0.000	0.016	0.016	1
21	6.492	0.000	0.000	0.007	0.007	4	1.929	0.000	0.000	0.016	0.016	3	0.521	0.000	0.000	0.019	0.019	1
22	5.833	0.000	0.000	0.008	0.008	4	2.379	0.000	0.000	0.022	0.022	5	0.390	0.000	0.000	0.042	0.042	1
23	5.726	0.000	0.000	0.008	0.008	4	2.615	0.000	0.000	0.011	0.011	2	0.349	0.000	0.000	0.024	0.024	1
24	6.739	0.000	0.000	0.013	0.013	8	2.851	0.000	0.000	0.010	0.010	2	0.349	0.000	0.000	0.024	0.024	1
25	6.076	0.000	0.000	0.012	0.012	6	2.681	0.000	0.000	0.008	0.008	2	0.300	0.000	0.000	0.025	0.025	1
26	6.705	0.000	0.000	0.007	0.007	4	2.627	0.000	0.000	0.008	0.008	2	0.249	0.000	0.000	0.036	0.036	1
27	6.373	0.000	0.000	0.005	0.005	3	2.739	0.000	0.000	0.008	0.008	2	0.240	0.000	0.000	0.023	0.023	0
28	6.712	0.000	0.000	0.007	0.007	4	1.521	0.000	0.000	0.009	0.009	1	0.245	0.000	0.000	0.025	0.025	1
29	6.262	0.000	0.000	0.008	0.008	4	1.238	0.000	0.000	0.015	0.015	2						
30	5.726	0.000	0.000	0.008	0.008	4	1.268	0.000	0.000	0.014	0.014	2						
31	5.688	0.000	0.000	0.005	0.005	2	1.263	0.000	0.000	0.010	0.010	1						
<u>Ten Daily Mean</u>																		
Ten Daily I	7.457	0.000	0.000	0.012	0.012	8	2.662	0.000	0.000	0.014	0.014	2	0.878	0.000	0.000	0.016	0.016	1
Ten Daily II	5.907	0.000	0.000	0.013	0.013	6	1.679	0.000	0.000	0.011	0.011	2	1.270	0.000	0.000	0.018	0.018	2
Ten Daily III	6.212	0.000	0.000	0.008	0.008	4	2.101	0.000	0.000	0.012	0.012	2	0.330	0.000	0.000	0.027	0.027	1
<u>Monthly</u>																		
Total						189						63						38

Annual Sediment Load (Metric Tonnes) : 2100

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Elunuthimangalam (CCF00A4)

Local River : Noyyal

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichy

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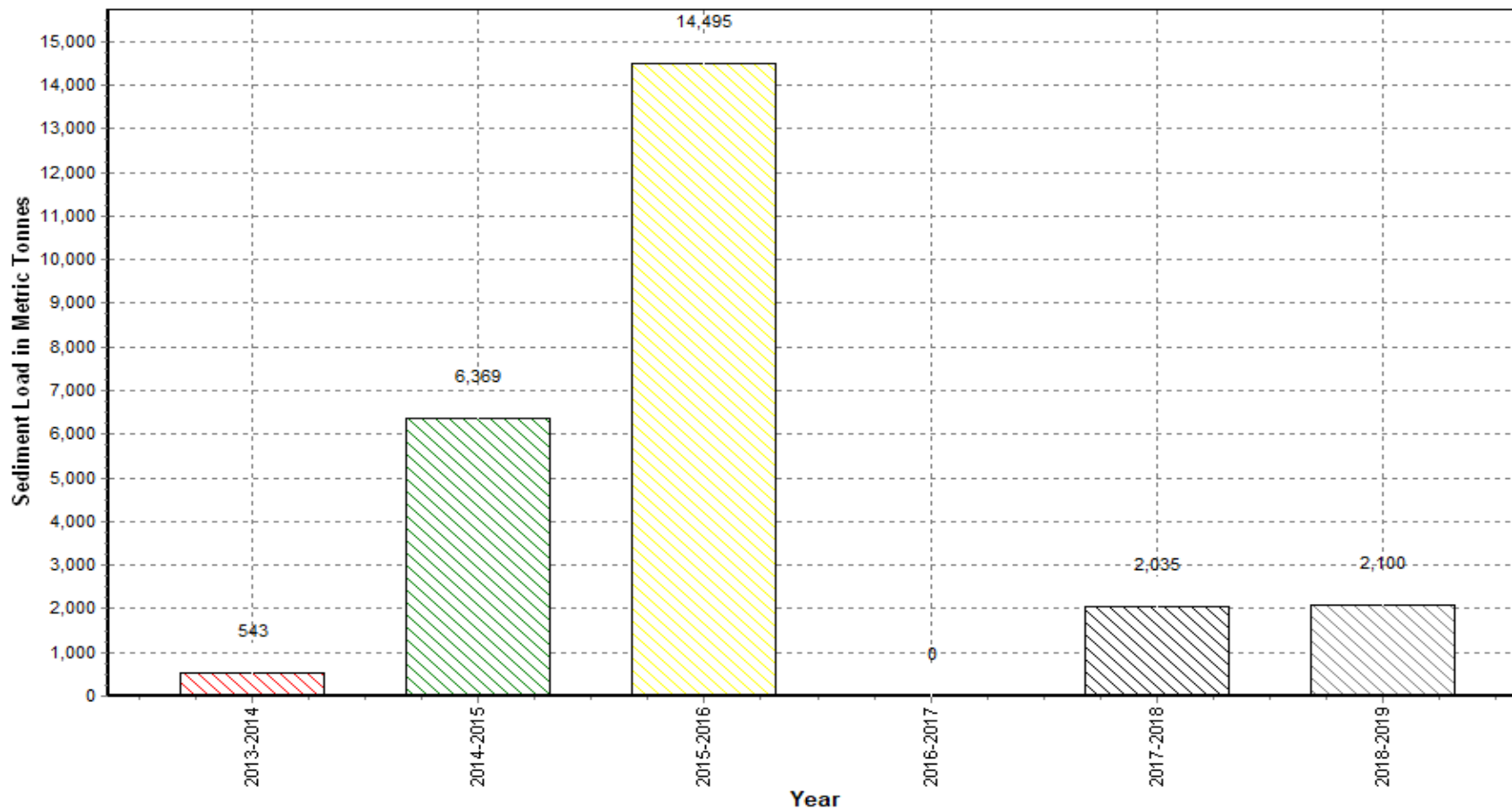
Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.410	0.000	0.000	0.015	0.015	1	0.335	0.000	0.000	0.033	0.033	1	0.224	0.000	0.000	0.035	0.035	1
2	0.546	0.000	0.000	0.018	0.018	1	0.214	0.000	0.000	0.034	0.034	1	0.326	0.000	0.000	0.037	0.037	1
3	0.349	0.000	0.000	0.012	0.012	0	0.173	0.000	0.000	0.027	0.027	0	0.112	0.000	0.000	0.011	0.011	0
4	0.962	0.000	0.000	0.018	0.018	1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.880	0.000	0.000	0.022	0.022	2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.562	0.000	0.000	0.030	0.030	1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.735	0.000	0.000	0.020	0.020	1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.978	0.000	0.000	0.013	0.013	1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.993	0.000	0.000	0.018	0.018	2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.922	0.000	0.000	0.017	0.017	1	0.000	0.000	0.000	0.000	0.000	0	0.760	0.000	0.000	0.020	0.020	1
11	0.792	0.000	0.000	0.014	0.014	1	0.000	0.000	0.000	0.000	0.000	0	0.635	0.000	0.000	0.036	0.036	2
12	0.402	0.000	0.000	0.014	0.014	0	0.000	0.000	0.000	0.000	0.000	0	0.550	0.000	0.000	0.035	0.035	2
13	0.270	0.000	0.000	0.018	0.018	0	0.000	0.000	0.000	0.000	0.000	0	0.329	0.000	0.000	0.033	0.033	1
14	0.183	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.199	0.000	0.000	0.020	0.020	0
15	0.185	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.180	0.000	0.000	0.018	0.018	0
16	0.103	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.168	0.000	0.000	0.017	0.017	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.191	0.000	0.000	0.019	0.019	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.332	0.000	0.000	0.033	0.033	1
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.655	0.000	0.000	0.065	0.065	4
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	1.373	0.000	0.000	0.019	0.019	2
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.676	0.000	0.000	0.029	0.029	2
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.326	0.000	0.000	0.067	0.067	2
23	0.000	0.000	0.000	0.000	0.000	0	1.649	0.000	0.000	0.014	0.014	2	0.208	0.000	0.000	0.043	0.043	1
24	0.000	0.000	0.000	0.000	0.000	0	1.640	0.000	0.000	0.008	0.008	1	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	3.215	0.000	0.000	0.022	0.022	6	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	1.477	0.000	0.000	0.023	0.023	3	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	1.111	0.000	0.000	0.017	0.017	2	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.805	0.000	0.000	0.017	0.017	1	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.628	0.000	0.000	0.017	0.017	1	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.423	0.000	0.000	0.043	0.043	2	0.000	0.000	0.000	0.000	0.000	0
31	0.260	0.000	0.000	0.018	0.018	0							0.000	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	0.734	0.000	0.000	0.018	0.018	1	0.072	0.000	0.000	0.009	0.009	0	0.142	0.000	0.000	0.010	0.010	0
Ten Daily II	0.194	0.000	0.000	0.005	0.005	0	0.000	0.000	0.000	0.000	0.000	0	0.461	0.000	0.000	0.029	0.029	1
Ten Daily III	0.024	0.000	0.000	0.002	0.002	0	1.095	0.000	0.000	0.016	0.016	2	0.110	0.000	0.000	0.013	0.013	0
Monthly																		
Total						14						19						20

Annual Sediment Load (Metric Tonnes) : 2100

Station Name : Elunuthimangalam (CCF00A4)
Local River : Noyyal

Annual Sediment Load for the period: 2013-2019

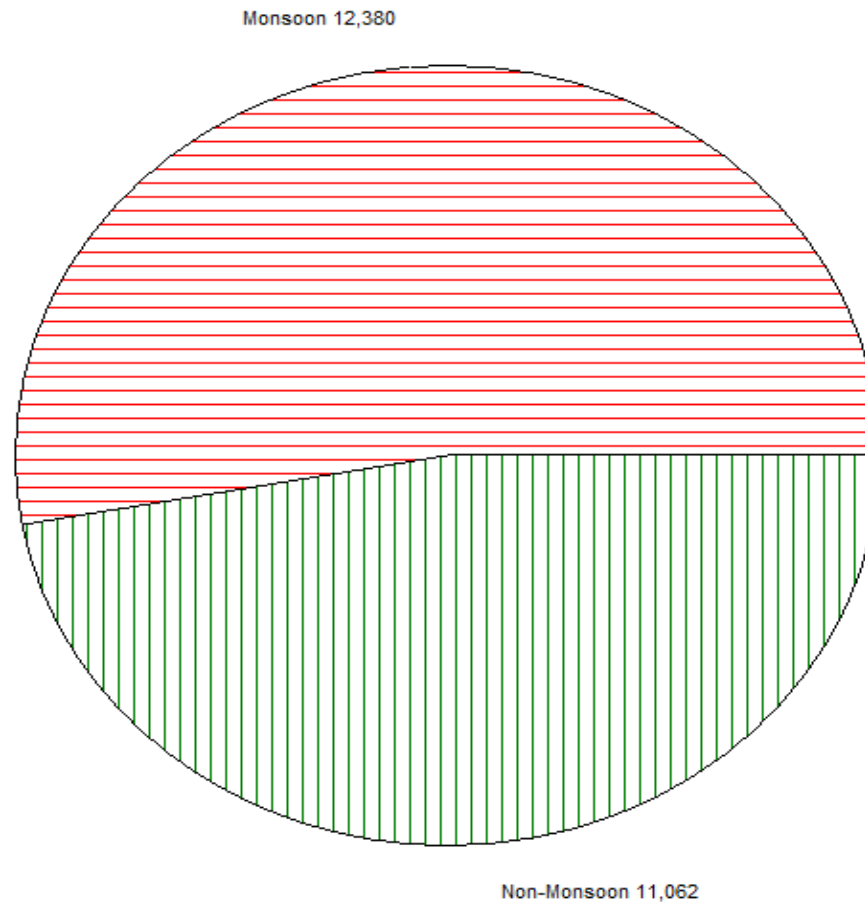
Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichy



Station Name : Elunuthimangalam (CCF00A4)
Local River : Noyyal

Seasonal Sediment Load for the period : 2013-2018

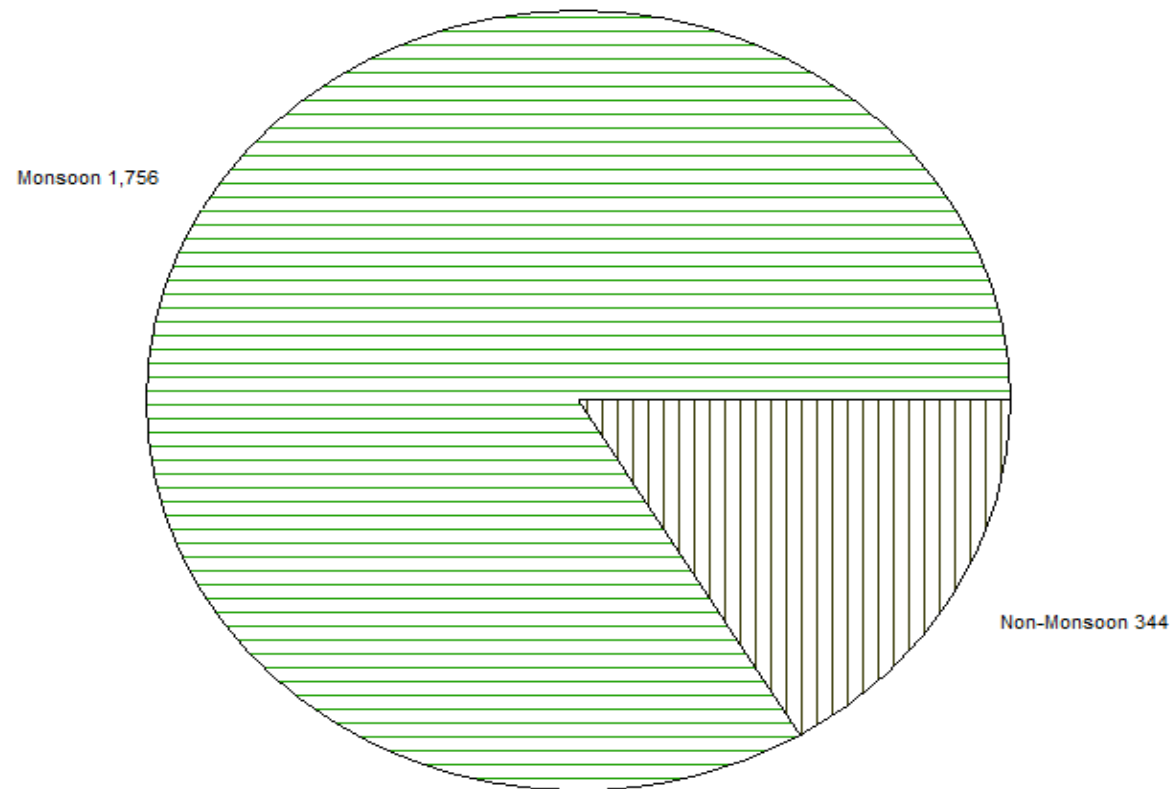
Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichy



Station Name : Elunuthimangalam (CCF00A4)
Local River : Noyyal

Seasonal Sediment Load for the Year: 2018-2019

Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichy



BED MATERIAL ANALYSIS DATA

RIVER : NOYYAL

CODE No. : CCF00A4

SITE : ELUNUTHIMANGALAM

CROSS SECTION : SGL

Sl.No.	DATA FOR SAMPLE COLLECTED										GENERAL DATA OF THE RIVER								
	R.D.(m)	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L.(GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/s)	DISCHARGE (m³/s)	Bed Material Composition		WETTED PERIMETER (m)	HYDRAULIC MEAN DEPTH (m)	MEAN VELOCITY (m/s)	SURFACE WATER SLOPE	DISCHARGE (m³/s)	Bed Material Composition			
									MAX SIZE (mm)	MEAN SIZE (mm)						MAX SIZE (mm)	MEAN SIZE (mm)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
MONSOON 2018										DATE OF COLLECTION		13/11/2018							
1	50	-	129.595	130.275	0.680	35.0		-	8.0	0.58									
2	75	-	129.735	130.275	0.54				8.0	1.52									
3	100	131.055	-	-	10.0				1.04										
4	125	131.785	-	-	-				8.0	0.48									
5	150	133.435	-	-	5.299				7.0	0.37								35.18	0.851
POST MONSOON 2019										DATE OF COLLECTION		22/01/2019							
1	50	-	130.055	130.075	0.02	34.0	-	-	10.0	1.7									
2	75	-	129.745	130.075	0.33				11.0	1.43									
3	100	-	131.015	130.075	-0.94				10.0	1.28									
4	125	-	131.770	130.075	-1.70				10.0	0.75									
5	150	-	133.370	130.075	-3.30				2.300	5.0								0.30	34.16
PRE MONSOON 2019										DATE OF COLLECTION		14/05/2019							
1	50	129.915	-	129.690	-	22.0	-	-	8.0	1.46									
2	75	129.745	-		-				10.0	1.36									
3	100	131.045	-		-				12.0	1.49									
4	125	131.775	-		-				9.0	0.82									
5	150	133.375	-		-				0.168	7.0								0.79	22.10

Annual Sediment Load for period : 1973-2019

Station Name : Kodumudi (CC00017)

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1973-1974	364275	35592	399867	11271
1974-1975	365514	35061	400575	9418
1975-1976	643561	50305	693866	13593
1976-1977	251460	31797	283257	4511
1977-1978	440222	62147	502369	10585
1978-1979	1455964	75640	1531604	12663
1979-1980	1246410	73067	1319477	12691
1980-1981	707634	71443	779077	15023
1981-1982	664989	45709	710698	13235
1982-1983	359729	27563	387292	6476
1983-1984	179945	33635	213580	6629
1984-1985	243116	28099	271215	9804
1985-1986	120275	24992	145267	5034
1986-1987	154292	26318	180610	5484
1987-1988	58695	33094	91789	3157
1988-1989	214747	31222	245969	6226
1989-1990	123467	38417	161884	5641
1990-1991	91614	21299	112913	4522
1991-1992	385428	43219	428647	9350
1992-1993	398786	50794	449580	11359
1993-1994	136495	50939	187434	7807
1994-1995	563161	38993	602154	13070
1995-1996	172135	36560	208695	7202
1996-1997	326649	37242	363891	6304
1997-1998	230896	58746	289642	8948
1998-1999	123170	34049	157219	8962
1999-2000	161133	38585	199718	7848
2000-2001	236606	46239	282845	9604
2001-2002	91214	33590	124804	6817
2002-2003	31346	18800	50146	2836
2003-2004	20558	17264	37822	1875
2004-2005	48753	34356	83109	4927
2005-2006	442972	38334	481306	11316
2006-2007	135796	56326	192122	9339
2007-2008	675213	54014	729227	11172
2008-2009	190708	44493	235201	8972
2009-2010	167505	38217	205722	7261
2010-2011	108216	41921	150137	6609
2011-2012	199081	58530	257612	9820
2012-2013	63730	16667	80397	3697
2013-2014	148505	20480	168985	6644
2014-2015	98153	34687	132840	6176
2015-2016	24291	7055	31346	5227
2016-2017	19901	351	20251	1586
2017-2018	34066	7968	42034	2831
2018-2019	365371	15138	380509	10759

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Kodumudi (CC00017)

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi

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Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	526.6	0.002	0.001	0.004	0.007	337
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	482.9	0.003	0.000	0.003	0.006	259
3	0.980	0.000	0.000	0.000	0.000	0	25.94	0.000	0.000	0.007	0.007	16	509.0	0.004	0.002	0.005	0.011	501
4	11.80	0.000	0.000	0.001	0.001	1	27.30	0.000	0.000	0.004	0.004	9	494.0	0.001	0.000	0.004	0.005	213
5	8.872	0.000	0.000	0.005	0.005	4	24.49	0.000	0.000	0.006	0.006	13	450.5	0.001	0.000	0.003	0.005	175
6	4.670	0.000	0.000	0.003	0.003	1	29.69	0.000	0.000	0.010	0.010	26	507.2	0.003	0.001	0.005	0.009	372
7	36.19	0.000	0.000	0.008	0.008	25	32.45	0.000	0.000	0.010	0.010	28	508.4	0.004	0.001	0.003	0.008	338
8	12.92	0.000	0.000	0.017	0.017	19	24.00	0.000	0.000	0.007	0.007	15	493.9	0.003	0.002	0.001	0.006	260
9	3.961	0.000	0.000	0.013	0.013	4	13.65	0.000	0.000	0.003	0.003	4	528.0	0.003	0.000	0.003	0.006	274
10	3.401	0.000	0.000	0.014	0.014	4	14.66	0.000	0.000	0.005	0.005	6	848.6	0.001	0.000	0.007	0.008	572
11	8.829	0.000	0.000	0.005	0.005	4	16.11	0.000	0.000	0.008	0.008	11	1742	0.003	0.003	0.025	0.030	4530
12	9.514	0.000	0.000	0.004	0.004	3	13.69	0.000	0.000	0.007	0.007	8	4017	0.005	0.019	0.095	0.119	41237
13	5.407	0.000	0.000	0.003	0.003	1	15.58	0.000	0.000	0.008	0.008	11	3100	0.007	0.001	0.043	0.051	13577
14	10.52	0.000	0.000	0.008	0.008	7	16.30	0.000	0.000	0.010	0.010	14	2649	0.000	0.001	0.031	0.032	7394
15	9.959	0.000	0.000	0.005	0.005	4	14.00	0.000	0.000	0.009	0.009	10	2227	0.000	0.001	0.026	0.027	5214
16	7.407	0.000	0.000	0.005	0.005	3	13.75	0.000	0.000	0.007	0.007	8	6076	0.001	0.000	0.067	0.068	35488
17	2.312	0.000	0.000	0.001	0.001	0	15.23	0.000	0.000	0.008	0.008	11	6422	0.025	0.007	0.063	0.095	52934
18	10.02	0.000	0.000	0.006	0.006	5	27.13	0.000	0.000	0.010	0.010	23	6808	0.001	0.001	0.032	0.033	19235
19	11.48	0.000	0.000	0.003	0.003	3	45.05	0.000	0.000	0.005	0.005	21	6311	0.001	0.001	0.033	0.035	19194
20	7.023	0.000	0.000	0.003	0.003	2	357.7	0.006	0.005	0.104	0.115	3539	5968	0.001	0.001	0.025	0.027	13922
21	6.798	0.000	0.000	0.003	0.003	2	548.2	0.005	0.005	0.010	0.019	919	3812	0.000	0.001	0.057	0.058	19103
22	5.825	0.000	0.000	0.003	0.003	2	600.0	0.005	0.006	0.011	0.021	1099	1476	0.006	0.002	0.014	0.022	2793
23	1.441	0.000	0.000	0.000	0.000	0	750.1	0.005	0.006	0.027	0.037	2385	486.7	0.012	0.005	0.020	0.037	1568
24	0.000	0.000	0.000	0.000	0.000	0	1956	0.007	0.009	0.087	0.103	17458	791.7	0.001	0.000	0.011	0.012	821
25	0.000	0.000	0.000	0.000	0.000	0	2383	0.008	0.010	0.069	0.087	17851	515.4	0.001	0.001	0.007	0.009	405
26	0.000	0.000	0.000	0.000	0.000	0	619.3	0.004	0.005	0.021	0.030	1578	707.5	0.002	0.001	0.017	0.020	1229
27	0.000	0.000	0.000	0.000	0.000	0	2288	0.003	0.004	0.013	0.020	3993	847.8	0.003	0.001	0.024	0.028	2051
28	0.000	0.000	0.000	0.000	0.000	0	1885	0.003	0.002	0.024	0.028	4609	667.0	0.002	0.001	0.014	0.016	939
29	0.000	0.000	0.000	0.000	0.000	0	1850	0.003	0.003	0.028	0.033	5275	459.5	0.004	0.002	0.004	0.010	397
30	0.000	0.000	0.000	0.000	0.000	0	1000	0.002	0.000	0.011	0.013	1123	245.0	0.002	0.001	0.014	0.016	345
31							659.1	0.003	0.001	0.006	0.009	524	404.8	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	8.279	0.000	0.000	0.006	0.006	6	19.22	0.000	0.000	0.005	0.005	12	534.9	0.003	0.001	0.004	0.007	330
Ten Daily II	8.248	0.000	0.000	0.004	0.004	3	53.45	0.001	0.000	0.018	0.019	366	4532	0.004	0.003	0.044	0.052	21272
Ten Daily III	1.406	0.000	0.000	0.001	0.001	0	1322	0.004	0.005	0.028	0.036	5165	946.7	0.003	0.001	0.017	0.021	2696
Monthly																		
Total						95						60587						245677

Annual Sediment Load (Metric Tonnes) : 380509

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Kodumudi (CC00017)

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi

5/70

Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	523.6	0.001	0.001	0.088	0.090	4076	425.6	0.002	0.001	0.037	0.040	1475	383.0	0.001	0.001	0.004	0.005	165
2	727.7	0.003	0.001	0.109	0.114	7142	610.9	0.002	0.001	0.025	0.028	1488	267.2	0.001	0.001	0.009	0.010	233
3	566.0	0.003	0.001	0.085	0.088	4323	586.7	0.002	0.001	0.024	0.027	1374	123.0	0.001	0.001	0.008	0.009	100
4	282.6	0.002	0.001	0.006	0.009	212	392.8	0.002	0.001	0.011	0.014	465	148.1	0.001	0.001	0.007	0.008	101
5	273.1	0.002	0.010	0.010	0.022	514	237.1	0.002	0.001	0.014	0.017	340	150.9	0.001	0.001	0.007	0.008	104
6	270.0	0.001	0.001	0.020	0.021	492	181.9	0.002	0.001	0.020	0.023	354	131.0	0.000	0.001	0.006	0.007	78
7	244.6	0.000	0.000	0.018	0.018	389	148.1	0.001	0.001	0.016	0.018	234	51.54	0.000	0.000	0.007	0.007	31
8	454.5	0.000	0.000	0.021	0.022	848	219.9	0.002	0.001	0.012	0.015	293	104.7	0.000	0.001	0.012	0.012	111
9	419.5	0.000	0.000	0.019	0.020	725	216.7	0.002	0.001	0.018	0.021	384	104.7	0.000	0.001	0.013	0.014	129
10	532.5	0.002	0.001	0.020	0.023	1044	188.5	0.002	0.001	0.009	0.011	179	123.0	0.001	0.001	0.014	0.016	168
11	613.6	0.002	0.001	0.007	0.010	504	322.9	0.002	0.001	0.016	0.018	513	220.0	0.001	0.001	0.008	0.010	186
12	610.8	0.002	0.001	0.013	0.016	844	278.4	0.002	0.001	0.018	0.021	493	236.5	0.001	0.001	0.009	0.011	215
13	562.5	0.002	0.000	0.012	0.014	676	231.9	0.002	0.001	0.019	0.021	421	191.9	0.001	0.001	0.014	0.016	269
14	623.1	0.002	0.001	0.009	0.013	678	445.3	0.002	0.001	0.014	0.017	646	90.58	0.001	0.001	0.013	0.015	113
15	669.0	0.002	0.001	0.013	0.016	948	379.9	0.002	0.001	0.012	0.014	473	80.02	0.000	0.001	0.015	0.016	111
16	648.7	0.002	0.003	0.007	0.012	656	416.8	0.002	0.001	0.010	0.012	432	13.90	0.000	0.000	0.017	0.017	20
17	659.0	0.002	0.001	0.007	0.010	552	384.2	0.001	0.001	0.014	0.016	521	162.1	0.001	0.001	0.012	0.014	193
18	639.8	0.002	0.001	0.015	0.018	973	429.7	0.002	0.002	0.027	0.031	1158	125.6	0.001	0.001	0.009	0.011	116
19	585.7	0.002	0.001	0.006	0.009	435	429.7	0.002	0.002	0.027	0.031	1158	85.00	0.001	0.001	0.010	0.012	87
20	653.5	0.001	0.001	0.007	0.009	519	388.2	0.008	0.001	0.021	0.030	989	139.1	0.001	0.001	0.010	0.012	142
21	592.5	0.001	0.001	0.002	0.004	200	429.7	0.002	0.002	0.027	0.031	1158	148.1	0.001	0.001	0.010	0.012	147
22	582.3	0.001	0.001	0.002	0.004	196	384.2	0.002	0.002	0.024	0.028	926	139.1	0.001	0.001	0.009	0.011	130
23	580.4	0.001	0.001	0.014	0.016	792	367.8	0.002	0.002	0.025	0.029	922	125.6	0.001	0.001	0.011	0.012	132
24	636.3	0.002	0.001	0.015	0.017	951	372.2	0.001	0.002	0.008	0.011	347	100.8	0.001	0.001	0.008	0.010	85
25	643.5	0.002	0.001	0.010	0.012	656	367.8	0.001	0.002	0.007	0.010	311	102.6	0.001	0.001	0.009	0.010	88
26	637.7	0.001	0.001	0.019	0.021	1135	372.2	0.001	0.001	0.006	0.008	244	75.35	0.000	0.001	0.007	0.008	53
27	774.6	0.001	0.001	0.018	0.019	1285	447.0	0.001	0.001	0.008	0.009	363	91.00	0.001	0.001	0.008	0.010	75
28	810.7	0.001	0.001	0.026	0.027	1919	477.3	0.001	0.001	0.012	0.013	536	70.12	0.000	0.001	0.008	0.009	56
29	789.5	0.001	0.001	0.021	0.023	1548	458.6	0.001	0.001	0.011	0.013	495	75.35	0.001	0.001	0.009	0.010	64
30	521.8	0.001	0.001	0.014	0.015	681	480.1	0.001	0.001	0.009	0.010	406	96.00	0.000	0.001	0.006	0.007	61
31							456.0	0.000	0.001	0.010	0.011	429						
Ten Daily Mean																		
Ten Daily I	429.4	0.001	0.002	0.040	0.043	1977	320.8	0.002	0.001	0.019	0.021	659	158.7	0.000	0.001	0.009	0.010	122
Ten Daily II	626.6	0.002	0.001	0.009	0.013	679	370.7	0.002	0.001	0.018	0.021	681	134.5	0.001	0.001	0.012	0.013	145
Ten Daily III	656.9	0.001	0.001	0.014	0.016	936	419.4	0.001	0.001	0.013	0.016	558	102.4	0.001	0.001	0.008	0.010	89
Monthly																		
Total						35916						19530						3566

Annual Sediment Load (Metric Tonnes) : 380509

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Kodumudi (CC00017)

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi

5/1

Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	127.7	0.001	0.001	0.006	0.008	85	221.8	0.001	0.001	0.008	0.009	174	13.86	0.000	0.000	0.007	0.007	8
2	105.0	0.001	0.001	0.007	0.008	74	221.8	0.001	0.001	0.009	0.010	199	13.65	0.000	0.000	0.009	0.009	11
3	92.99	0.001	0.001	0.006	0.007	58	216.1	0.001	0.001	0.010	0.011	207	15.68	0.000	0.000	0.012	0.012	17
4	148.5	0.001	0.001	0.006	0.008	98	207.8	0.001	0.001	0.010	0.011	205	11.52	0.000	0.000	0.010	0.010	10
5	170.1	0.001	0.001	0.017	0.018	270	213.4	0.001	0.001	0.011	0.012	219	18.17	0.000	0.000	0.009	0.009	14
6	181.3	0.001	0.001	0.019	0.021	323	211.6	0.001	0.001	0.010	0.012	216	18.17	0.000	0.000	0.009	0.009	14
7	181.3	0.001	0.001	0.017	0.018	280	260.6	0.001	0.001	0.011	0.013	288	15.60	0.000	0.000	0.010	0.010	13
8	178.3	0.001	0.001	0.018	0.019	296	267.3	0.001	0.001	0.011	0.012	275	14.84	0.000	0.000	0.010	0.010	13
9	201.7	0.001	0.001	0.020	0.023	397	260.6	0.001	0.001	0.011	0.012	272	12.92	0.000	0.000	0.011	0.011	12
10	178.3	0.001	0.001	0.018	0.019	294	254.7	0.001	0.001	0.009	0.010	224	13.26	0.000	0.000	0.011	0.011	13
11	252.9	0.001	0.001	0.013	0.015	317	254.7	0.000	0.001	0.009	0.010	222	13.68	0.000	0.000	0.012	0.012	14
12	259.9	0.001	0.001	0.013	0.015	328	260.6	0.000	0.001	0.010	0.011	245	12.35	0.000	0.000	0.012	0.012	13
13	243.8	0.001	0.001	0.012	0.014	289	267.0	0.000	0.001	0.010	0.011	256	12.80	0.000	0.000	0.011	0.011	12
14	252.9	0.001	0.001	0.011	0.012	267	161.5	0.001	0.001	0.008	0.009	124	11.83	0.000	0.000	0.012	0.012	12
15	302.4	0.000	0.001	0.013	0.014	363	160.9	0.001	0.001	0.008	0.009	124	12.78	0.000	0.000	0.011	0.011	12
16	331.0	0.001	0.001	0.009	0.010	292	169.2	0.001	0.001	0.009	0.010	145	13.44	0.000	0.000	0.010	0.010	12
17	327.9	0.001	0.001	0.009	0.010	286	118.3	0.000	0.001	0.009	0.010	101	13.73	0.000	0.000	0.010	0.010	12
18	333.1	0.001	0.001	0.009	0.011	311	132.6	0.000	0.001	0.009	0.010	110	5.438	0.000	0.000	0.010	0.010	5
19	357.9	0.001	0.001	0.008	0.009	281	80.63	0.000	0.001	0.008	0.009	65	2.421	0.000	0.000	0.011	0.011	2
20	480.1	0.001	0.001	0.007	0.008	348	58.33	0.000	0.001	0.009	0.010	52	2.269	0.000	0.000	0.009	0.009	2
21	472.2	0.001	0.001	0.007	0.009	363	44.52	0.000	0.001	0.008	0.009	33	2.068	0.000	0.000	0.010	0.010	2
22	442.8	0.001	0.001	0.007	0.008	314	39.07	0.000	0.001	0.008	0.009	30	5.410	0.000	0.000	0.011	0.011	5
23	387.3	0.000	0.001	0.006	0.007	238	11.81	0.000	0.000	0.008	0.008	8	3.585	0.000	0.000	0.009	0.009	3
24	295.7	0.001	0.001	0.009	0.010	253	41.62	0.000	0.001	0.007	0.008	29	15.68	0.000	0.000	0.010	0.010	14
25	327.1	0.001	0.001	0.010	0.011	311	12.79	0.000	0.000	0.008	0.008	9	13.92	0.000	0.000	0.009	0.009	11
26	213.4	0.000	0.001	0.009	0.010	183	118.2	0.000	0.001	0.009	0.010	101	12.79	0.000	0.000	0.011	0.011	12
27	216.1	0.001	0.001	0.012	0.013	250	112.8	0.000	0.001	0.009	0.010	93	11.32	0.000	0.000	0.010	0.010	10
28	227.1	0.001	0.001	0.011	0.013	251	113.2	0.000	0.001	0.009	0.010	93	39.07	0.000	0.001	0.008	0.009	30
29	216.1	0.001	0.001	0.013	0.015	271	9.602	0.000	0.000	0.008	0.008	7						
30	214.9	0.000	0.001	0.014	0.015	277	5.211	0.000	0.000	0.012	0.012	5						
31	216.1	0.000	0.001	0.014	0.015	280	12.15	0.000	0.000	0.007	0.007	7						
Ten Daily Mean																		
Ten Daily I	156.5	0.001	0.001	0.013	0.015	218	233.6	0.001	0.001	0.010	0.011	228	14.77	0.000	0.000	0.010	0.010	13
Ten Daily II	314.2	0.001	0.001	0.010	0.012	308	166.4	0.000	0.001	0.009	0.010	144	10.07	0.000	0.000	0.011	0.011	10
Ten Daily III	293.5	0.001	0.001	0.010	0.011	272	47.36	0.000	0.000	0.008	0.009	38	12.98	0.000	0.000	0.010	0.010	11
Monthly																		
Total						8247						4139						307

Annual Sediment Load (Metric Tonnes) : 380509

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Kodumudi (CC00017)

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Lower Cauvery SD, Trichi

572

Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	69.60	0.000	0.001	0.008	0.009	52	13.88	0.000	0.000	0.020	0.020	24	10.69	0.000	0.000	0.009	0.009	8
2	57.80	0.000	0.001	0.008	0.009	45	181.2	0.001	0.001	0.012	0.013	210	9.914	0.000	0.000	0.009	0.009	8
3	38.92	0.000	0.001	0.009	0.010	32	168.4	0.001	0.001	0.011	0.013	188	8.479	0.000	0.000	0.009	0.009	7
4	35.85	0.000	0.001	0.008	0.009	28	158.1	0.001	0.001	0.011	0.013	172	8.393	0.000	0.000	0.009	0.009	7
5	14.15	0.000	0.000	0.009	0.009	11	155.3	0.001	0.001	0.011	0.012	164	7.329	0.000	0.000	0.008	0.008	5
6	13.19	0.000	0.000	0.010	0.010	11	148.1	0.001	0.001	0.011	0.013	161	7.658	0.000	0.000	0.008	0.008	5
7	12.52	0.000	0.000	0.012	0.012	13	146.1	0.000	0.001	0.011	0.012	151	8.076	0.000	0.000	0.009	0.009	6
8	12.35	0.000	0.000	0.010	0.010	11	139.1	0.000	0.001	0.013	0.014	162	7.308	0.000	0.000	0.009	0.009	6
9	31.92	0.001	0.001	0.008	0.009	26	121.1	0.000	0.001	0.011	0.012	126	4.906	0.000	0.000	0.007	0.007	3
10	15.68	0.000	0.000	0.004	0.005	6	115.7	0.000	0.001	0.010	0.011	109	3.479	0.000	0.000	0.007	0.007	2
11	14.24	0.000	0.000	0.012	0.012	15	66.90	0.000	0.001	0.010	0.011	64	3.370	0.000	0.000	0.008	0.008	2
12	15.35	0.000	0.000	0.010	0.010	13	37.60	0.001	0.001	0.009	0.010	33	3.372	0.000	0.000	0.008	0.008	2
13	14.15	0.000	0.000	0.010	0.010	12	54.90	0.000	0.001	0.001	0.002	9	3.219	0.000	0.000	0.008	0.008	2
14	14.98	0.000	0.000	0.011	0.011	14	35.39	0.000	0.000	0.001	0.001	4	19.40	0.000	0.001	0.010	0.011	18
15	13.49	0.000	0.000	0.011	0.011	13	7.499	0.000	0.000	0.009	0.009	6	21.49	0.000	0.001	0.009	0.010	18
16	12.53	0.000	0.000	0.009	0.009	10	6.081	0.000	0.000	0.011	0.011	6	21.49	0.000	0.001	0.009	0.010	19
17	12.80	0.000	0.000	0.009	0.009	10	5.882	0.000	0.000	0.010	0.010	5	19.40	0.001	0.001	0.009	0.010	17
18	13.62	0.000	0.000	0.012	0.012	14	4.246	0.000	0.000	0.008	0.008	3	21.96	0.001	0.001	0.010	0.012	22
19	12.35	0.000	0.000	0.013	0.013	14	3.363	0.000	0.000	0.006	0.006	2	20.90	0.001	0.001	0.010	0.011	20
20	11.89	0.000	0.000	0.012	0.012	12	7.438	0.000	0.000	0.009	0.009	6	6.457	0.000	0.000	0.010	0.010	6
21	11.15	0.000	0.000	0.010	0.010	10	6.956	0.000	0.000	0.008	0.008	5	8.558	0.000	0.000	0.011	0.011	8
22	7.906	0.000	0.000	0.011	0.011	8	33.18	0.000	0.001	0.007	0.008	23	17.60	0.000	0.001	0.009	0.010	15
23	7.444	0.000	0.000	0.014	0.014	9	27.91	0.000	0.001	0.007	0.008	19	9.185	0.000	0.000	0.010	0.010	8
24	7.329	0.000	0.000	0.013	0.013	8	26.32	0.000	0.001	0.009	0.010	22	7.573	0.000	0.000	0.011	0.011	7
25	8.030	0.000	0.000	0.014	0.014	10	16.01	0.000	0.000	0.008	0.008	11	7.353	0.000	0.000	0.010	0.010	6
26	8.158	0.000	0.000	0.013	0.013	9	15.79	0.000	0.000	0.010	0.010	14	6.586	0.000	0.000	0.009	0.009	5
27	7.635	0.000	0.000	0.014	0.014	9	11.68	0.000	0.000	0.010	0.010	10	7.164	0.000	0.000	0.010	0.010	6
28	7.204	0.000	0.000	0.013	0.013	8	9.712	0.000	0.000	0.008	0.008	7	3.104	0.000	0.000	0.011	0.011	3
29	7.136	0.000	0.000	0.014	0.014	9	9.701	0.000	0.000	0.008	0.008	7	3.067	0.000	0.000	0.010	0.010	3
30	7.295	0.000	0.000	0.016	0.016	10	9.997	0.000	0.000	0.008	0.008	7	2.702	0.000	0.000	0.009	0.009	2
31	6.233	0.000	0.000	0.014	0.014	7							14.28	0.000	0.000	0.009	0.009	11
Ten Daily Mean																		
Ten Daily I	30.20	0.000	0.000	0.009	0.009	23	134.7	0.000	0.001	0.012	0.013	147	7.623	0.000	0.000	0.008	0.008	6
Ten Daily II	13.54	0.000	0.000	0.011	0.011	13	22.93	0.000	0.000	0.007	0.008	14	14.11	0.000	0.000	0.009	0.010	13
Ten Daily III	7.775	0.000	0.000	0.013	0.013	9	16.73	0.000	0.000	0.008	0.009	12	7.924	0.000	0.000	0.010	0.010	7
Monthly																		
Total						459						1728						258

Annual Sediment Load (Metric Tonnes) : 380509

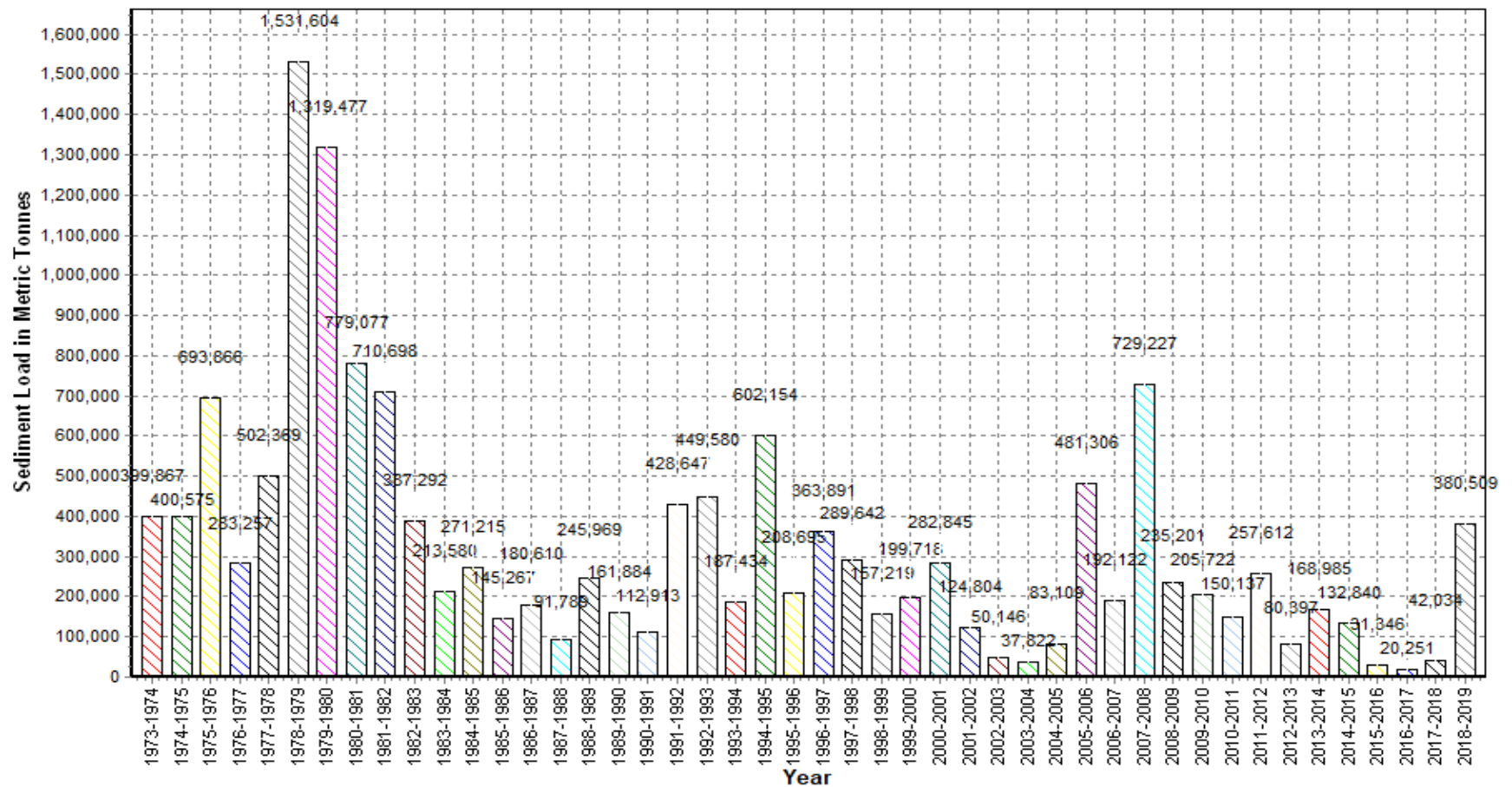
Annual Sediment Load for the period: 1973-2019

Station Name : Kodumudi (CC00017)

Local River : Cauvery

Division : SR Division, Coimbatore

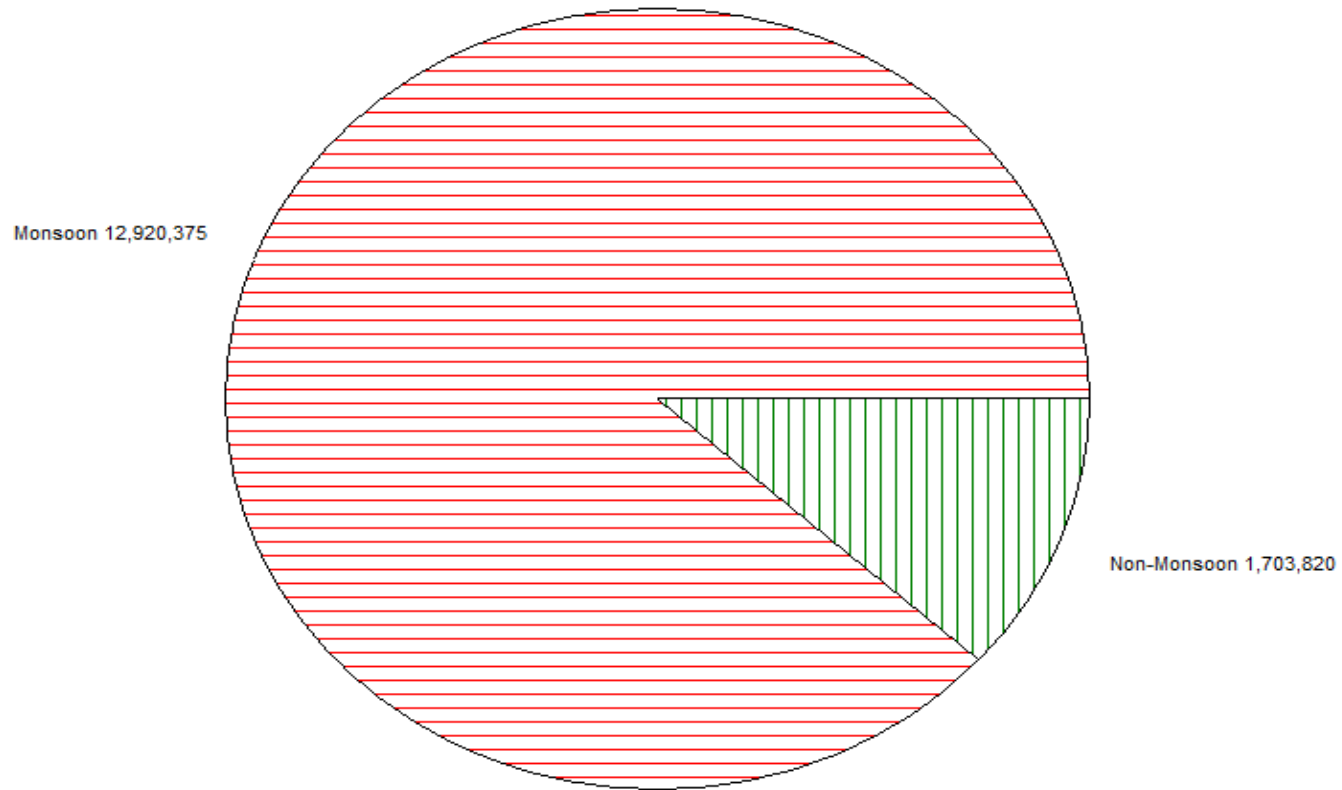
Sub-Division : Lower Cauvery SD, Trichi



Station Name : Kodumudi (CC00017)
Local River : Cauvery

Seasonal Sediment Load for the period : 1973-2018

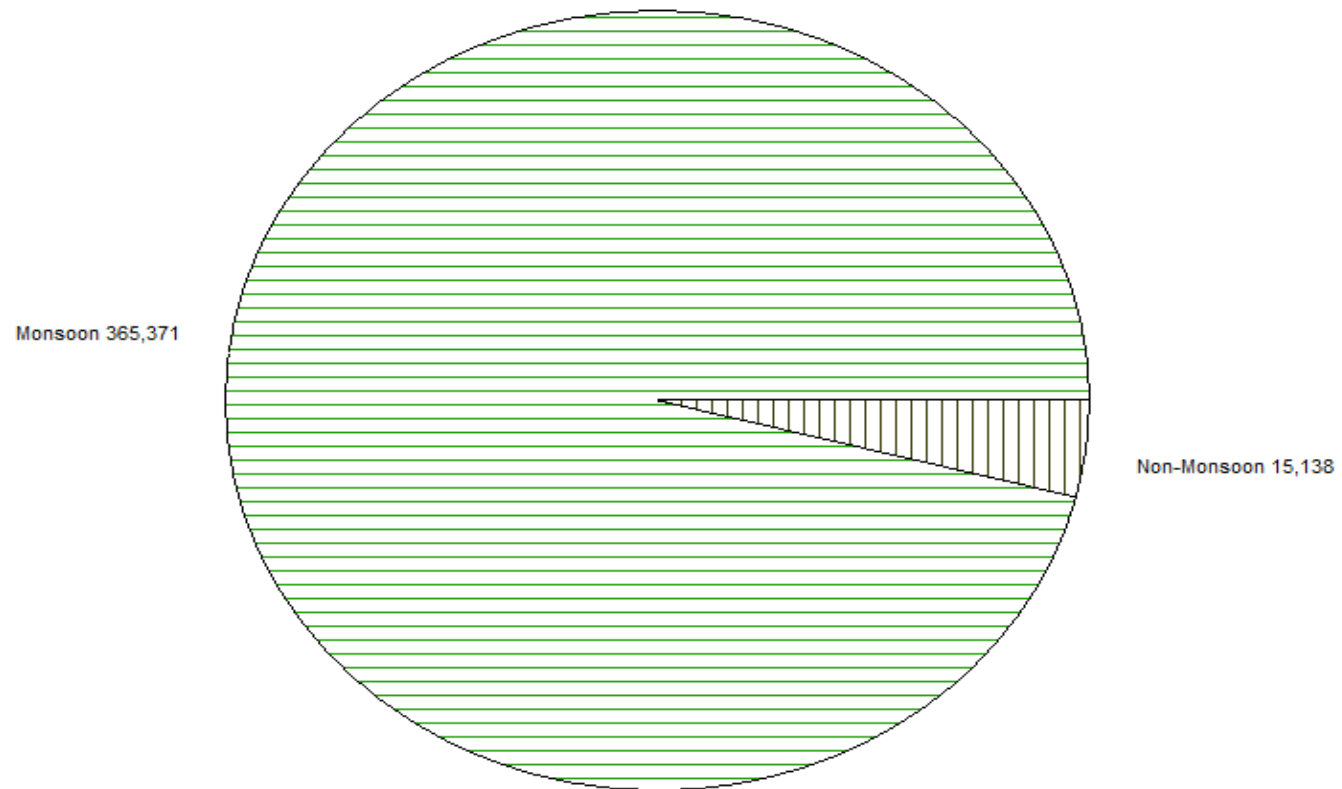
Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichi



Station Name : Kodumudi (CC00017)
Local River : Cauvery

Seasonal Sediment Load for the Year: 2018-2019

Division : SR Division, Coimbatore
Sub-Division : Lower Cauvery SD, Trichi



BED MATERIAL ANALYSIS DATA

RIVER : CAUVERY

CODE No. : CC00017

SITE : KODUMUDI

CROSS SECTION : SGL

Sl.No.	DATA FOR SAMPLE COLLECTED										GENERAL DATA OF THE RIVER							
	R.D.(m)	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L.(GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/s)	DISCHARGE (m³/s)	Bed Material Composition		WETTED PERIMETER (m)	HYDRAULIC MEAN DEPTH (m)	MEAN VELOCITY (m/s)	SURFACE WATER SLOPE	DISCHARGE (m³/s)	Bed Material Composition		
									MAX SIZE (mm)	MEAN SIZE (mm)						MAX SIZE (mm)	MEAN SIZE (mm)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
MONSOON 2018										DATE OF COLLECTION		16/11/2018						
1	100	124.555	-	-	-	258.0			8.0	0.78								
2	200	123.600	-	-	-				18.0	0.98								
3	300	-	122.290	122.580	0.29				7.0	0.79								
4	400	122.575	-	-	-				19.0	0.93								
5	500	-	121.905	122.575	0.67			7.617	18.0	2.00	#####	0.386	0.076	0.001	7.617	19.0	1.22	
6	600	-	121.960	122.370	0.41				18.0	1.81								
POST MONSOON 2019										DATE OF COLLECTION		21/02/2019						
1	100	124.350	-	-	-	222.0			12.0	0.68								
2	200	123.430	-	-	-				12.0	1.06								
3	300	-	122.145	122.385	0.24				15.0	1.54								
4	400	122.610	-	-	-				11.0	0.86								
5	500	-	121.885	122.345	0.46			1.214	18.0	2.88	#####	0.357	0.015	0.001	1.214	18.0	1.41	
6	600	-	121.785	122.115	0.33				18.0	1.46								
PRE MONSOON 2019										DATE OF COLLECTION		27/05/2019						
1	100	124.455	-	-	-				7.0	0.85								
2	200	123.305	-	-	-				10.0	1.02								
3	300	122.260	-	-	-				8.0	1.46								
4	400	122.590	-	-	-				15.0	1.53								
5	500	-	121.845	122.235	0.39	240.0		6.955	8.0	0.62	#####	0.501	0.058	0.001	6.955	15.0	1.10	
6	600	-	121.845	122.235	0.39				8.0	1.14								

Annual Sediment Load for period : 1980-2019

Station Name : SAVANDAPUR (CCG00E3)

Division : SR Division, Coimbatore

Local River : Bhavani

Sub-Division : Middle Cauvery SD, Coimbatore

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1980-1981	58825	13605	72430	1029
1981-1982	65375	5020	70395	876
1982-1983	74316	3466	77782	661
1983-1984	38667	8383	47050	481
1984-1985	15058	3365	18423	549
1985-1986	15196	8335	23531	643
1986-1987	8195	2595	10790	436
1987-1988	63478	11133	74611	442
1988-1989	6756	2663	9419	471
1989-1990	14618	4659	19277	493
1990-1991	10013	3361	13374	504
1991-1992	16517	3338	19855	545
1992-1993	22518	5329	27847	849
1993-1994	7224	5381	12605	585
1994-1995	16022	5166	21188	918
1995-1996	6944	9137	16081	733
1996-1997	8428	7167	15595	577
1997-1998	8597	7229	15826	653
1998-1999	8546	5613	14159	729
1999-2000	12881	3699	16580	654
2000-2001	8290	4771	13061	554
2001-2002	4188	2300	6488	419
2002-2003	9193	8503	17696	342
2003-2004	1567	20567	22134	339
2004-2005	4762	3227	7989	454
2005-2006	14089	6210	20299	648
2006-2007	72749	6147	78896	960
2007-2008	19524	4716	24240	958
2008-2009	5680	3993	9673	616
2009-2010	6425	1894	8319	588
2010-2011	27833	1948	29781	643
2011-2012	7374	1848	9222	564
2012-2013	1375	2836	4211	252
2013-2014	4598	920	5518	357
2014-2015	37166	1436	38602	548
2015-2016	2445	1066	3511	472
2016-2017	850	309	1159	154
2017-2018	1551	1123	2673	263
2018-2019	20279	1287	21566	1049

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : SAVANDAPUR (CCG00E3)

Local River : Bhavani

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

578

Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	3.293	0.000	0.000	0.003	0.003	1	3.029	0.000	0.000	0.003	0.003	1	29.41	0.000	0.000	0.014	0.014	36
2	2.890	0.000	0.000	0.003	0.003	1	3.614	0.000	0.000	0.004	0.004	1	23.04	0.000	0.000	0.012	0.012	24
3	1.798	0.000	0.000	0.003	0.003	0	3.727	0.000	0.000	0.004	0.004	1	23.04	0.000	0.000	0.012	0.012	24
4	3.466	0.000	0.000	0.005	0.005	1	5.157	0.000	0.000	0.003	0.003	1	22.34	0.000	0.000	0.012	0.012	23
5	3.274	0.000	0.000	0.004	0.004	1	3.799	0.000	0.000	0.004	0.004	1	25.66	0.000	0.000	0.014	0.014	31
6	4.859	0.000	0.000	0.004	0.004	2	3.109	0.000	0.000	0.005	0.005	1	23.04	0.000	0.000	0.011	0.011	22
7	4.914	0.000	0.000	0.004	0.004	2	3.242	0.000	0.000	0.005	0.005	1	27.05	0.000	0.000	0.013	0.013	30
8	4.742	0.000	0.000	0.005	0.005	2	3.309	0.000	0.000	0.005	0.005	1	26.42	0.000	0.000	0.013	0.013	30
9	3.838	0.000	0.000	0.005	0.005	2	3.120	0.000	0.000	0.004	0.004	1	27.75	0.000	0.000	0.012	0.012	29
10	3.902	0.000	0.000	0.004	0.004	1	2.707	0.000	0.000	0.004	0.004	1	37.71	0.000	0.000	0.015	0.015	49
11	4.758	0.000	0.000	0.004	0.004	2	2.711	0.000	0.000	0.002	0.002	0	30.11	0.000	0.000	0.012	0.012	31
12	3.344	0.000	0.000	0.004	0.004	1	3.156	0.000	0.000	0.005	0.005	1	28.59	0.000	0.000	0.011	0.011	28
13	3.447	0.000	0.000	0.004	0.004	1	4.754	0.000	0.000	0.003	0.003	1	29.41	0.000	0.000	0.012	0.012	30
14	4.399	0.000	0.000	0.004	0.004	2	10.82	0.000	0.000	0.006	0.006	6	27.75	0.000	0.000	0.010	0.010	24
15	5.458	0.000	0.000	0.005	0.005	2	10.16	0.000	0.000	0.006	0.006	5	30.89	0.000	0.000	0.012	0.012	33
16	5.218	0.000	0.000	0.005	0.005	2	8.728	0.000	0.000	0.005	0.005	4	996.9	0.000	0.000	0.024	0.024	2067
17	4.539	0.000	0.000	0.005	0.005	2	6.830	0.000	0.000	0.004	0.004	2	1845	0.000	0.000	0.038	0.038	6058
18	4.586	0.000	0.000	0.004	0.004	2	4.946	0.000	0.000	0.005	0.005	2	1425	0.000	0.000	0.029	0.029	3570
19	3.380	0.000	0.000	0.004	0.004	1	12.04	0.000	0.000	0.007	0.007	7	398.2	0.000	0.000	0.015	0.015	526
20	4.536	0.000	0.000	0.004	0.004	2	15.15	0.000	0.000	0.013	0.013	17	154.0	0.000	0.000	0.012	0.012	160
21	3.885	0.000	0.000	0.016	0.016	5	15.57	0.000	0.000	0.012	0.012	17	166.7	0.000	0.000	0.012	0.012	173
22	4.232	0.000	0.000	0.012	0.012	4	24.24	0.000	0.000	0.015	0.015	30	72.18	0.000	0.000	0.014	0.014	90
23	3.818	0.000	0.000	0.011	0.011	4	19.11	0.000	0.000	0.005	0.005	8	64.91	0.000	0.000	0.014	0.014	79
24	4.215	0.000	0.000	0.012	0.012	4	27.05	0.000	0.000	0.016	0.016	37	129.2	0.000	0.000	0.017	0.017	190
25	3.480	0.000	0.000	0.012	0.012	4	28.56	0.000	0.000	0.014	0.014	34	64.91	0.000	0.000	0.015	0.015	84
26	3.119	0.000	0.000	0.010	0.010	3	35.43	0.000	0.000	0.017	0.017	53	45.00	0.000	0.000	0.013	0.013	50
27	3.055	0.000	0.000	0.011	0.011	3	29.41	0.000	0.000	0.013	0.013	34	13.08	0.000	0.000	0.011	0.011	12
28	3.096	0.000	0.000	0.009	0.009	2	23.04	0.000	0.000	0.012	0.012	24	13.08	0.000	0.000	0.010	0.010	11
29	3.207	0.000	0.000	0.014	0.014	4	30.88	0.000	0.000	0.016	0.016	43	39.24	0.000	0.000	0.012	0.012	41
30	3.082	0.000	0.000	0.008	0.008	2	24.74	0.000	0.000	0.015	0.015	32	45.46	0.000	0.000	0.015	0.015	59
31							22.34	0.000	0.000	0.013	0.013	25	33.32	0.000	0.000	0.012	0.012	35
Ten Daily Mean																		
Ten Daily I	3.698	0.000	0.000	0.004	0.004	1	3.481	0.000	0.000	0.004	0.004	1	26.55	0.000	0.000	0.013	0.013	30
Ten Daily II	4.367	0.000	0.000	0.004	0.004	2	7.930	0.000	0.000	0.006	0.006	5	496.6	0.000	0.000	0.018	0.018	1253
Ten Daily III	3.519	0.000	0.000	0.012	0.012	4	25.49	0.000	0.000	0.013	0.013	31	62.46	0.000	0.000	0.013	0.013	75
Monthly																		
Total						65						395						13647

Annual Sediment Load (Metric Tonnes) : 21566

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : SAVANDAPUR (CCG00E3)

Local River : Bhavani

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

579

Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	34.66	0.000	0.000	0.007	0.007	21	26.42	0.000	0.000	0.016	0.016	37	49.87	0.000	0.000	0.011	0.011	47
2	32.46	0.000	0.000	0.007	0.007	19	21.53	0.000	0.000	0.014	0.014	26	40.95	0.000	0.000	0.010	0.010	35
3	30.11	0.000	0.000	0.005	0.005	13	16.65	0.000	0.000	0.012	0.012	17	39.24	0.000	0.000	0.008	0.008	27
4	26.42	0.000	0.000	0.005	0.005	11	24.13	0.000	0.000	0.011	0.011	23	33.26	0.000	0.000	0.008	0.008	22
5	25.52	0.000	0.000	0.004	0.004	9	24.74	0.000	0.000	0.012	0.012	26	26.42	0.000	0.000	0.007	0.007	16
6	23.94	0.000	0.000	0.004	0.004	8	23.94	0.000	0.000	0.012	0.012	25	20.22	0.000	0.000	0.005	0.005	9
7	19.68	0.000	0.000	0.003	0.003	5	90.14	0.000	0.000	0.033	0.033	260	17.39	0.000	0.000	0.005	0.005	8
8	17.82	0.000	0.000	0.003	0.003	5	105.3	0.000	0.000	0.039	0.039	355	10.83	0.000	0.000	0.005	0.005	5
9	18.33	0.000	0.000	0.003	0.003	5	85.94	0.000	0.000	0.035	0.035	260	10.39	0.000	0.000	0.005	0.005	4
10	18.54	0.000	0.000	0.003	0.003	5	64.91	0.000	0.000	0.033	0.033	185	22.34	0.000	0.000	0.005	0.005	10
11	33.32	0.000	0.000	0.006	0.006	18	165.2	0.000	0.000	0.035	0.035	499	25.66	0.000	0.000	0.005	0.005	12
12	25.52	0.000	0.000	0.005	0.005	10	33.32	0.000	0.000	0.015	0.015	43	14.49	0.000	0.000	0.005	0.005	6
13	15.95	0.000	0.000	0.004	0.004	5	27.75	0.000	0.000	0.017	0.017	41	12.89	0.000	0.000	0.005	0.005	6
14	13.08	0.000	0.000	0.003	0.003	3	172.6	0.000	0.000	0.064	0.064	953	9.873	0.000	0.000	0.004	0.004	3
15	36.86	0.000	0.000	0.008	0.008	25	112.4	0.000	0.000	0.040	0.040	388	8.542	0.000	0.000	0.004	0.004	3
16	31.67	0.000	0.000	0.007	0.007	19	39.24	0.000	0.000	0.016	0.016	54	16.65	0.000	0.000	0.005	0.005	7
17	13.95	0.000	0.000	0.003	0.003	4	62.27	0.000	0.000	0.030	0.030	161	28.54	0.000	0.000	0.007	0.007	17
18	10.02	0.000	0.000	0.025	0.025	22	20.87	0.000	0.000	0.014	0.014	25	14.81	0.000	0.000	0.003	0.003	4
19	10.30	0.000	0.000	0.045	0.045	40	18.33	0.000	0.000	0.013	0.013	21	27.75	0.000	0.000	0.007	0.007	17
20	15.15	0.000	0.000	0.050	0.050	66	20.52	0.000	0.000	0.014	0.014	25	24.74	0.000	0.000	0.005	0.005	11
21	18.95	0.000	0.000	0.011	0.011	19	25.66	0.000	0.000	0.016	0.016	35	20.87	0.000	0.000	0.004	0.004	8
22	17.82	0.000	0.000	0.011	0.011	16	44.13	0.000	0.000	0.011	0.011	42	16.65	0.000	0.000	0.004	0.004	6
23	17.12	0.000	0.000	0.010	0.010	15	36.86	0.000	0.000	0.010	0.010	32	30.88	0.000	0.000	0.008	0.008	21
24	45.03	0.000	0.000	0.017	0.017	67	40.26	0.000	0.000	0.012	0.012	42	18.54	0.000	0.000	0.005	0.005	8
25	33.32	0.000	0.000	0.016	0.016	45	27.75	0.000	0.000	0.008	0.008	19	17.72	0.000	0.000	0.005	0.005	8
26	13.47	0.000	0.000	0.013	0.013	15	22.34	0.000	0.000	0.008	0.008	15	15.57	0.000	0.000	0.005	0.005	7
27	105.3	0.000	0.000	0.038	0.038	343	20.52	0.000	0.000	0.007	0.007	12	14.49	0.000	0.000	0.005	0.005	6
28	64.91	0.000	0.000	0.030	0.030	168	20.87	0.000	0.000	0.007	0.007	13	13.95	0.000	0.000	0.004	0.004	5
29	452.2	0.000	0.000	0.029	0.029	1149	18.54	0.000	0.000	0.005	0.005	8	13.47	0.000	0.000	0.005	0.005	6
30	54.01	0.000	0.000	0.003	0.003	15	19.11	0.000	0.000	0.006	0.006	10	14.49	0.000	0.000	0.004	0.004	5
31							18.54	0.000	0.000	0.005	0.005	8						
<u>Ten Daily Mean</u>																		
Ten Daily I	24.75	0.000	0.000	0.004	0.004	10	48.37	0.000	0.000	0.022	0.022	121	27.09	0.000	0.000	0.007	0.007	18
Ten Daily II	20.58	0.000	0.000	0.016	0.016	21	67.25	0.000	0.000	0.026	0.026	221	18.39	0.000	0.000	0.005	0.005	9
Ten Daily III	82.21	0.000	0.000	0.018	0.018	185	26.78	0.000	0.000	0.009	0.009	22	17.66	0.000	0.000	0.005	0.005	8
<u>Monthly</u>																		
Total							2163						3661					347

Annual Sediment Load (Metric Tonnes) : 21566

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : SAVANDAPUR (CCG00E3)

Local River : Bhavani

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

580

Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	14.49	0.000	0.000	0.005	0.005	6	8.714	0.000	0.000	0.003	0.003	2	15.52	0.000	0.000	0.006	0.006	7
2	14.66	0.000	0.000	0.005	0.005	6	13.27	0.000	0.000	0.007	0.007	8	14.18	0.000	0.000	0.007	0.007	9
3	7.681	0.000	0.000	0.005	0.005	3	13.39	0.000	0.000	0.006	0.006	7	14.66	0.000	0.000	0.006	0.006	8
4	12.49	0.000	0.000	0.004	0.004	4	14.62	0.000	0.000	0.004	0.004	5	15.35	0.000	0.000	0.004	0.004	5
5	11.57	0.000	0.000	0.004	0.004	4	16.17	0.000	0.000	0.004	0.004	5	15.03	0.000	0.000	0.007	0.007	9
6	11.78	0.000	0.000	0.004	0.004	4	17.98	0.000	0.000	0.004	0.004	6	14.51	0.000	0.000	0.003	0.003	4
7	11.22	0.000	0.000	0.004	0.004	4	13.33	0.000	0.000	0.007	0.007	7	15.72	0.000	0.000	0.004	0.004	5
8	13.08	0.000	0.000	0.005	0.005	6	9.791	0.000	0.000	0.006	0.006	5	15.56	0.000	0.000	0.003	0.003	4
9	12.17	0.000	0.000	0.005	0.005	5	9.284	0.000	0.000	0.007	0.007	5	14.93	0.000	0.000	0.004	0.004	5
10	11.77	0.000	0.000	0.005	0.005	5	10.43	0.000	0.000	0.006	0.006	5	13.14	0.000	0.000	0.005	0.005	6
11	11.21	0.000	0.000	0.004	0.004	4	10.29	0.000	0.000	0.008	0.008	7	14.48	0.000	0.000	0.007	0.007	8
12	10.84	0.000	0.000	0.004	0.004	4	10.57	0.000	0.000	0.005	0.005	4	13.46	0.000	0.000	0.004	0.004	4
13	9.913	0.000	0.000	0.004	0.004	3	15.19	0.000	0.000	0.008	0.008	10	13.65	0.000	0.000	0.005	0.005	6
14	9.815	0.000	0.000	0.004	0.004	3	15.19	0.000	0.000	0.008	0.008	10	13.68	0.000	0.000	0.005	0.005	6
15	8.875	0.000	0.000	0.004	0.004	3	15.19	0.000	0.000	0.008	0.008	10	13.55	0.000	0.000	0.006	0.006	7
16	8.315	0.000	0.000	0.004	0.004	3	15.95	0.000	0.000	0.008	0.008	10	13.35	0.000	0.000	0.006	0.006	7
17	7.393	0.000	0.000	0.004	0.004	3	15.55	0.000	0.000	0.008	0.008	11	13.14	0.000	0.000	0.005	0.005	6
18	8.536	0.000	0.000	0.004	0.004	3	15.49	0.000	0.000	0.005	0.005	7	13.42	0.000	0.000	0.005	0.005	6
19	7.641	0.000	0.000	0.004	0.004	3	10.30	0.000	0.000	0.007	0.007	6	12.93	0.000	0.000	0.006	0.006	7
20	7.653	0.000	0.000	0.003	0.003	2	10.36	0.000	0.000	0.007	0.007	6	14.57	0.000	0.000	0.007	0.007	8
21	7.007	0.000	0.000	0.005	0.005	3	16.72	0.000	0.000	0.005	0.005	8	15.80	0.000	0.000	0.008	0.008	11
22	7.029	0.000	0.000	0.005	0.005	3	18.16	0.000	0.000	0.008	0.008	12	20.33	0.000	0.000	0.009	0.009	17
23	6.853	0.000	0.000	0.005	0.005	3	16.88	0.000	0.000	0.009	0.009	14	19.38	0.000	0.000	0.009	0.009	15
24	6.400	0.000	0.000	0.004	0.004	2	14.97	0.000	0.000	0.007	0.007	9	15.19	0.000	0.000	0.006	0.006	8
25	6.511	0.000	0.000	0.004	0.004	2	13.11	0.000	0.000	0.005	0.005	5	14.99	0.000	0.000	0.006	0.006	8
26	6.419	0.000	0.000	0.004	0.004	2	12.65	0.000	0.000	0.005	0.005	5	13.28	0.000	0.000	0.005	0.005	6
27	10.71	0.000	0.000	0.006	0.006	6	13.14	0.000	0.000	0.005	0.005	5	15.69	0.000	0.000	0.010	0.010	13
28	12.36	0.000	0.000	0.007	0.007	7	15.14	0.000	0.000	0.005	0.005	7	14.31	0.000	0.000	0.007	0.007	8
29	7.206	0.000	0.000	0.004	0.004	2	20.81	0.000	0.000	0.010	0.010	18						
30	8.705	0.000	0.000	0.005	0.005	4	22.57	0.000	0.000	0.009	0.009	17						
31	7.267	0.000	0.000	0.006	0.006	4	19.30	0.000	0.000	0.009	0.009	14						
<u>Ten Daily Mean</u>																		
Ten Daily I	12.09	0.000	0.000	0.005	0.005	5	12.70	0.000	0.000	0.005	0.005	6	14.86	0.000	0.000	0.005	0.005	6
Ten Daily II	9.019	0.000	0.000	0.004	0.004	3	13.41	0.000	0.000	0.007	0.007	8	13.62	0.000	0.000	0.005	0.005	6
Ten Daily III	7.861	0.000	0.000	0.005	0.005	4	16.67	0.000	0.000	0.007	0.007	10	16.12	0.000	0.000	0.008	0.008	11
<u>Monthly</u>																		
Total																		

116

252

211

Annual Sediment Load (Metric Tonnes) : 21566

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : SAVANDAPUR (CCG00E3)

Local River : Bhavani

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

581

Day	Mar						Apr							May						
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day		
1	12.34	0.000	0.000	0.006	0.006	6	16.63	0.000	0.000	0.008	0.008	11	12.67	0.000	0.000	0.004	0.004	4		
2	13.37	0.000	0.000	0.005	0.005	5	15.90	0.000	0.000	0.008	0.008	11	13.10	0.000	0.000	0.006	0.006	7		
3	8.705	0.000	0.000	0.007	0.007	5	17.90	0.000	0.000	0.010	0.010	15	7.907	0.000	0.000	0.004	0.004	3		
4	9.211	0.000	0.000	0.007	0.007	6	17.24	0.000	0.000	0.010	0.010	15	7.314	0.000	0.000	0.004	0.004	3		
5	13.27	0.000	0.000	0.006	0.006	7	17.39	0.000	0.000	0.009	0.009	14	6.853	0.000	0.000	0.004	0.004	2		
6	18.73	0.000	0.000	0.006	0.006	10	14.75	0.000	0.000	0.008	0.008	11	7.067	0.000	0.000	0.004	0.004	2		
7	20.41	0.000	0.000	0.007	0.007	12	15.72	0.000	0.000	0.008	0.008	11	5.855	0.000	0.000	0.004	0.004	2		
8	20.29	0.000	0.000	0.007	0.007	12	15.82	0.000	0.000	0.008	0.008	11	6.096	0.000	0.000	0.004	0.004	2		
9	16.04	0.000	0.000	0.009	0.009	12	16.00	0.000	0.000	0.009	0.009	12	6.853	0.000	0.000	0.005	0.005	3		
10	16.83	0.000	0.000	0.010	0.010	14	18.57	0.000	0.000	0.010	0.010	16	6.853	0.000	0.000	0.004	0.004	2		
11	17.03	0.000	0.000	0.010	0.010	15	17.51	0.000	0.000	0.006	0.006	9	5.979	0.000	0.000	0.005	0.005	3		
12	16.94	0.000	0.000	0.011	0.011	16	15.94	0.000	0.000	0.006	0.006	8	5.855	0.000	0.000	0.005	0.005	3		
13	17.57	0.000	0.000	0.011	0.011	17	15.73	0.000	0.000	0.004	0.004	5	7.473	0.000	0.000	0.007	0.007	5		
14	16.21	0.000	0.000	0.009	0.009	13	15.19	0.000	0.000	0.004	0.004	5	3.755	0.000	0.000	0.004	0.004	1		
15	17.13	0.000	0.000	0.009	0.009	13	14.78	0.000	0.000	0.003	0.003	4	7.335	0.000	0.000	0.004	0.004	3		
16	15.65	0.000	0.000	0.011	0.011	15	15.54	0.000	0.000	0.004	0.004	5	7.399	0.000	0.000	0.007	0.007	4		
17	24.33	0.000	0.000	0.011	0.011	24	17.50	0.000	0.000	0.005	0.005	8	8.541	0.000	0.000	0.008	0.008	6		
18	19.50	0.000	0.000	0.007	0.007	12	17.50	0.000	0.000	0.005	0.005	8	7.565	0.000	0.000	0.005	0.005	3		
19	11.25	0.000	0.000	0.004	0.004	4	18.10	0.000	0.000	0.005	0.005	8	7.565	0.000	0.000	0.005	0.005	3		
20	9.133	0.000	0.000	0.004	0.004	3	23.14	0.000	0.000	0.008	0.008	16	7.501	0.000	0.000	0.005	0.005	3		
21	13.32	0.000	0.000	0.004	0.004	5	21.66	0.000	0.000	0.007	0.007	13	6.907	0.000	0.000	0.007	0.007	4		
22	20.31	0.000	0.000	0.010	0.010	18	18.66	0.000	0.000	0.004	0.004	6	5.400	0.000	0.000	0.006	0.006	3		
23	18.64	0.000	0.000	0.009	0.009	14	10.64	0.000	0.000	0.003	0.003	3	5.400	0.000	0.000	0.006	0.006	3		
24	17.40	0.000	0.000	0.008	0.008	13	9.084	0.000	0.000	0.003	0.003	2	5.400	0.000	0.000	0.005	0.005	2		
25	20.29	0.000	0.000	0.008	0.008	14	13.33	0.000	0.000	0.004	0.004	5	5.400	0.000	0.000	0.006	0.006	3		
26	18.13	0.000	0.000	0.009	0.009	14	11.74	0.000	0.000	0.005	0.005	5	4.942	0.000	0.000	0.004	0.004	2		
27	16.80	0.000	0.000	0.009	0.009	13	15.95	0.000	0.000	0.006	0.006	8	4.850	0.000	0.000	0.004	0.004	2		
28	15.76	0.000	0.000	0.008	0.008	11	12.17	0.000	0.000	0.004	0.004	4	5.150	0.000	0.000	0.005	0.005	2		
29	16.43	0.000	0.000	0.007	0.007	10	10.76	0.000	0.000	0.003	0.003	3	5.150	0.000	0.000	0.006	0.006	3		
30	16.11	0.000	0.000	0.006	0.006	8	13.22	0.000	0.000	0.003	0.003	3	8.120	0.000	0.000	0.006	0.006	4		
31	16.83	0.000	0.000	0.006	0.006	9							14.18	0.000	0.000	0.007	0.007	9		
Ten Daily Mean																				
Ten Daily I	14.92	0.000	0.000	0.007	0.007	9	16.59	0.000	0.000	0.009	0.009	13	8.058	0.000	0.000	0.004	0.004	3		
Ten Daily II	16.47	0.000	0.000	0.009	0.009	13	17.09	0.000	0.000	0.005	0.005	8	6.897	0.000	0.000	0.006	0.006	3		
Ten Daily III	17.27	0.000	0.000	0.008	0.008	12	13.72	0.000	0.000	0.004	0.004	5	6.445	0.000	0.000	0.006	0.006	3		
Monthly																				
Total						350						256						101		

Annual Sediment Load (Metric Tonnes) : 21566

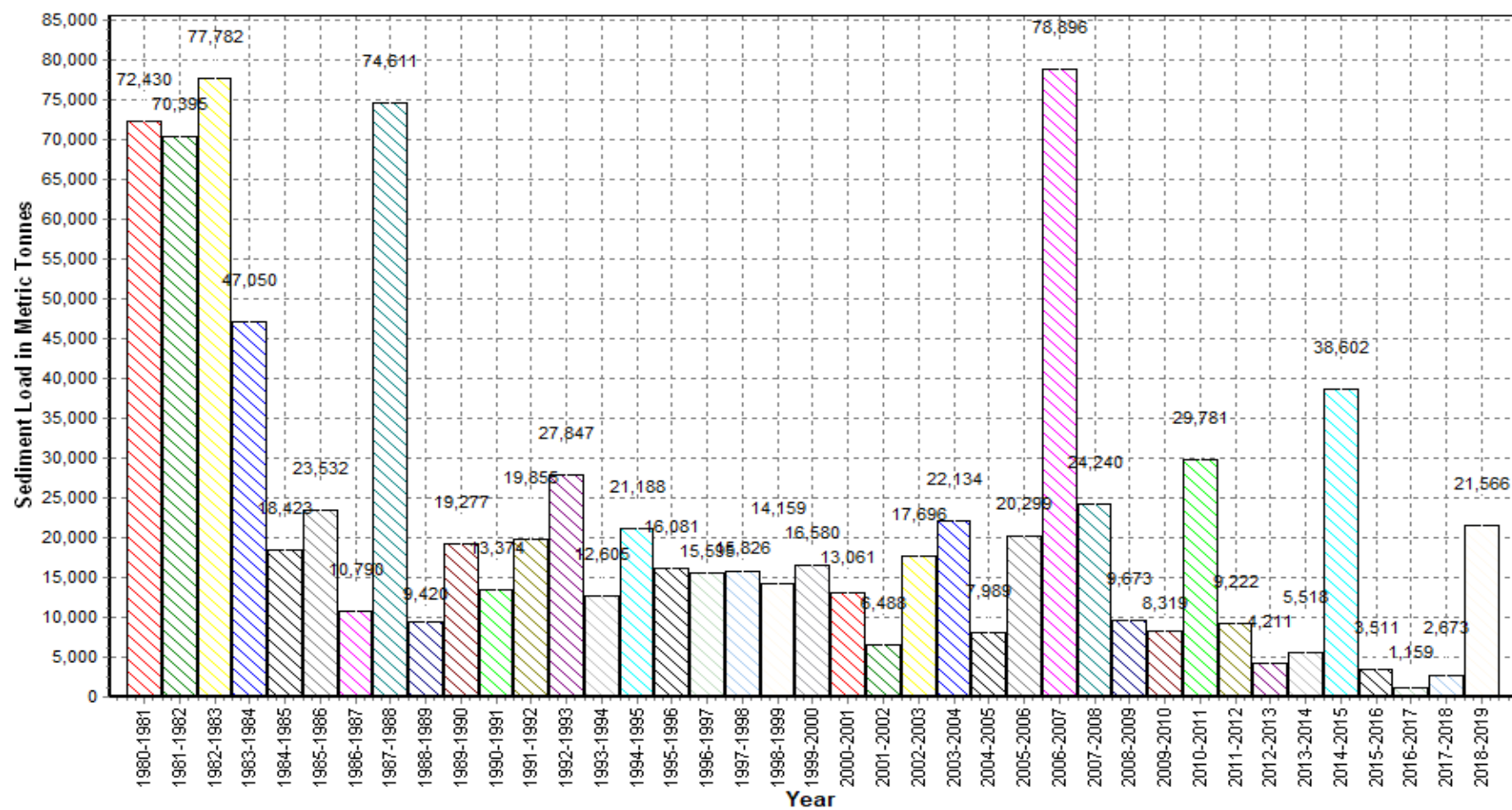
Annual Sediment Load for the period: 1980-2019

Station Name : SAVANDAPUR (CCG00E3)

Local River : Bhavani

Division : SR Division, Coimbatore

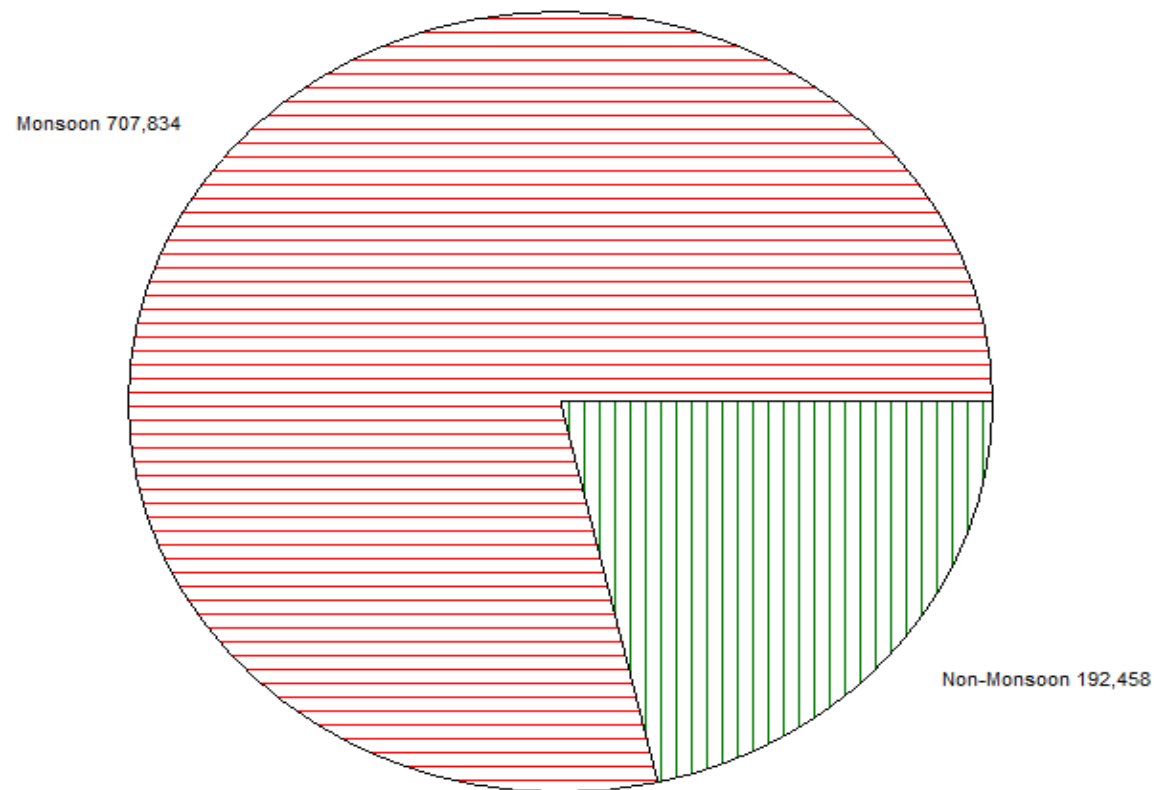
Sub-Division : Middle Cauvery SD, Coimbatore



Station Name : SAVANDAPUR (CCG00E3)
Local River : Bhavani

Seasonal Sediment Load for the period : 1980-2018

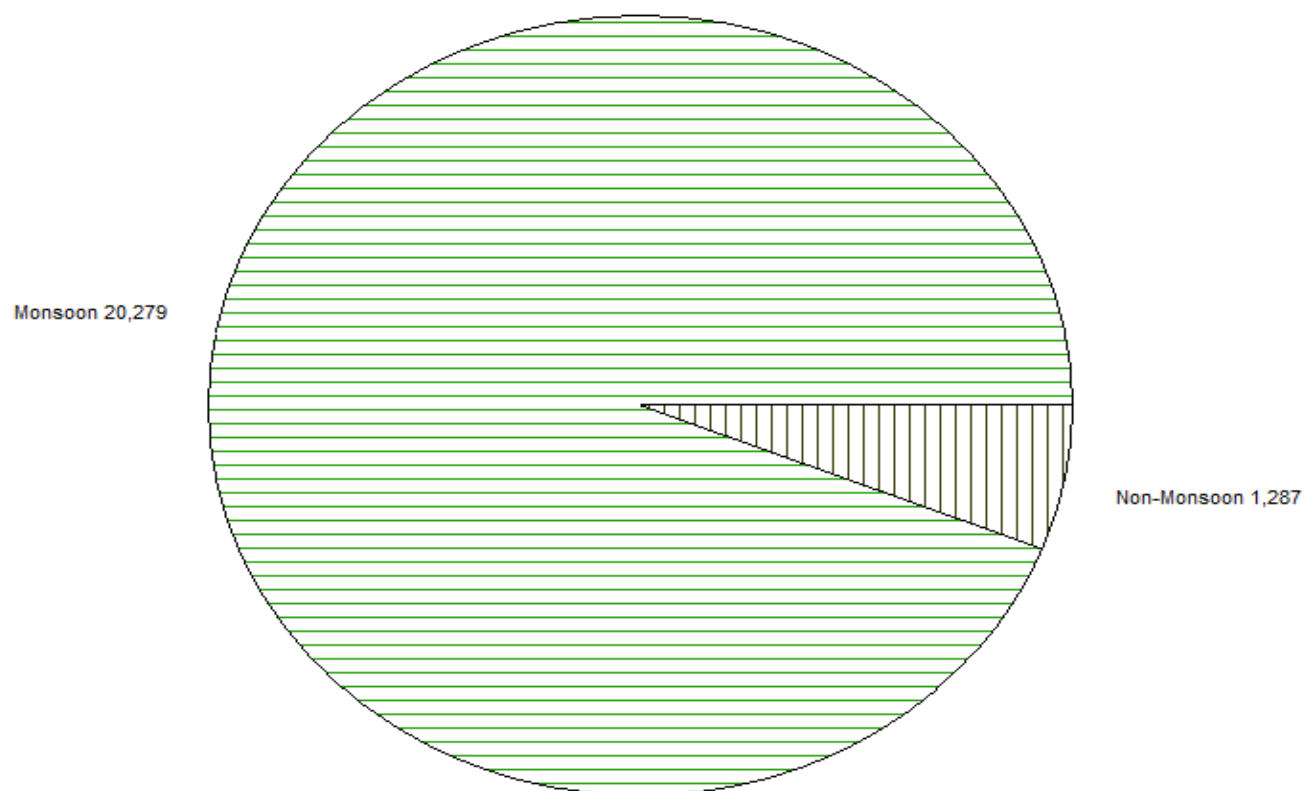
Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



Station Name : SAVANDAPUR (CCG00E3)
Local River : Bhavani

Seasonal Sediment Load for the Year: 2018-2019

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



BED MATERIAL ANALYSIS DATA

RIVER : BHAVANI

CODE No. : CCG00E3

SITE : SAVANDAPUR

CROSS SECTION : SGL

Sl.No.	DATA FOR SAMPLE COLLECTED										GENERAL DATA OF THE RIVER							
	R.D. (m)	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L.(GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/s)	DISCHARGE (m³/s)	Bed Material Composition		WETTED PERIMETER (m)	HYDRAULIC MEAN DEPTH (m)	MEAN VELOCITY (m/s)	SURFACE WATER SLOPE	DISCHARGE (m³/s)	Bed Material Composition		
									MAX SIZE (mm)	MEAN SIZE (mm)						MAX SIZE (mm)	MEAN SIZE (mm)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
MONSOON 2018										DATE OF COLLECTION		11-08-2018						
1	25	183.890	-	-	-	-			7.0	0.68								
2	65	-	179.890	180.910	1.02	79.0			30.0	1.04								
3	100	-	178.090	180.910	2.82	79.0			2.5	0.55								
4	125	183.855	-	-	-		-	10.810	10.0	0.39	79.53	1.319	0.103	0.00005	10.810	30.0	0.67	
POST MONSOON 2019										DATE OF COLLECTION		17/01/2019						
1	25	183.885	-		-		-	-	7.0	0.49								
2	65	-	179.940	181.040	1.10	80.0	-		17.0	0.72								
3	100	-	178.720	181.040	2.32	80.0	-		8.0	1.03								
4	125	183.865	-		-		-	16.600	18.0	1.20	80.41	1.309	0.158	0.00005	16.600	18.0	0.86	
PRE MONSOON 2019										DATE OF COLLECTION		08/05/2019						
1	25	183.870	-		-		-	-	10.0	0.44								
2	65	-	179.920	180.800	0.88	78.0	-		7.0	0.50								
3	100	-	178.120	180.800	2.68	78.0	-		12.0	1.14								
4	125	183.215	-		-		-	5.539	15.0	0.77	78.41	1.166	0.061	0.00005	5.539	15.0	0.71	

Annual Sediment Load for period : 2002-2019

Station Name : THENGUMARAHADA (CCGI0E9)

Division : SR Division, Coimbatore

Local River : Moyar

Sub-Division : Middle Cauvery SD, Coimbatore

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
2002-2003	14378	1345	15723	167
2003-2004	3810	1844	5654	142
2004-2005	12498	1135	13633	263
2005-2006	29943	2261	32204	495
2006-2007	5002	2498	7500	259
2007-2008	20199	5328	25527	565
2008-2009	9028	2222	11250	310
2009-2010	45916	3592	49508	521
2010-2011	25858	3836	29694	334
2011-2012	14718	4981	19699	311
2012-2013	2097	1152	3249	150
2013-2014	7475	203	7678	342
2014-2015	468	51	519	311
2015-2016	65	15	80	273
2016-2017	17	14251	14268	135
2017-2018	4660	1130	5790	242
2018-2019	7364	164	7527	498

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : THENGUMARAHADA (CCGI0E9)

Local River : Moyar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

587

Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	10.17	0.000	0.004	0.001	0.005	4	12.66	0.000	0.069	0.001	0.070	77	19.50	0.000	0.009	0.001	0.010	17
2	9.968	0.000	0.002	0.001	0.003	2	4.431	0.000	0.024	0.001	0.025	9	16.82	0.000	0.007	0.001	0.008	12
3	4.971	0.000	0.006	0.000	0.006	3	6.031	0.000	0.000	0.001	0.001	0	16.43	0.000	0.001	0.000	0.002	2
4	5.293	0.000	0.006	0.000	0.006	3	4.013	0.000	0.000	0.000	0.000	0	16.04	0.000	0.012	0.010	0.022	30
5	12.24	0.000	0.003	0.001	0.004	4	3.450	0.000	0.000	0.000	0.000	0	21.12	0.000	0.006	0.000	0.006	11
6	7.595	0.000	0.003	0.000	0.003	2	10.10	0.000	0.020	0.014	0.034	30	19.22	0.000	0.005	0.000	0.005	9
7	3.035	0.000	0.005	0.000	0.005	1	8.752	0.000	0.000	0.014	0.014	11	19.80	0.000	0.008	0.001	0.009	15
8	2.537	0.000	0.000	0.000	0.000	0	12.66	0.000	0.009	0.023	0.032	35	19.02	0.000	0.006	0.011	0.017	28
9	3.197	0.000	0.000	0.000	0.000	0	13.49	0.000	0.011	0.025	0.036	42	30.63	0.007	0.011	0.001	0.019	50
10	10.86	0.000	0.002	0.000	0.002	2	13.45	0.000	0.011	0.020	0.031	36	32.64	0.000	0.007	0.001	0.008	22
11	19.05	0.000	0.004	0.001	0.005	8	19.76	0.000	0.014	0.043	0.057	97	30.27	0.000	0.010	0.012	0.022	59
12	14.39	0.000	0.005	0.001	0.006	7	39.96	0.000	0.008	0.063	0.071	247	30.16	0.000	0.010	0.013	0.022	58
13	27.44	0.000	0.005	0.010	0.015	36	32.28	0.000	0.010	0.073	0.083	231	28.31	0.000	0.002	0.014	0.016	39
14	17.22	0.000	0.004	0.001	0.005	7	27.88	0.000	0.005	0.030	0.035	83	44.65	0.000	0.001	0.002	0.003	12
15	30.07	0.000	0.004	0.001	0.005	13	32.29	0.000	0.007	0.025	0.032	89	240.9	0.000	0.045	0.009	0.053	1107
16	20.54	0.000	0.004	0.001	0.005	8	53.79	0.000	0.015	0.004	0.019	88	221.9	0.004	0.041	0.008	0.053	1016
17	26.76	0.000	0.004	0.001	0.005	11	48.57	0.000	0.007	0.020	0.027	113	269.3	0.001	0.003	0.010	0.014	326
18	11.69	0.000	0.004	0.000	0.004	4	38.68	0.000	0.003	0.038	0.041	137	237.0	0.000	0.003	0.014	0.017	348
19	18.07	0.000	0.005	0.001	0.006	9	32.99	0.000	0.007	0.012	0.019	54	178.8	0.000	0.003	0.030	0.033	510
20	12.36	0.000	0.000	0.000	0.000	0	29.20	0.000	0.002	0.027	0.029	73	84.06	0.000	0.002	0.057	0.059	428
21	15.85	0.000	0.006	0.001	0.007	9	24.85	0.000	0.009	0.001	0.010	21	55.41	0.000	0.007	0.000	0.007	35
22	6.787	0.000	0.000	0.001	0.001	1	24.18	0.000	0.006	0.010	0.015	32	39.89	0.000	0.006	0.001	0.006	22
23	9.980	0.000	0.000	0.001	0.001	1	23.64	0.000	0.003	0.017	0.020	41	40.70	0.000	0.006	0.001	0.007	23
24	12.66	0.000	0.000	0.001	0.001	1	26.44	0.000	0.002	0.011	0.013	29	34.66	0.000	0.004	0.000	0.004	13
25	10.44	0.000	0.000	0.001	0.001	1	29.51	0.000	0.004	0.001	0.005	13	39.75	0.000	0.003	0.000	0.003	11
26	4.313	0.000	0.000	0.001	0.001	0	29.56	0.000	0.004	0.001	0.005	12	33.75	0.000	0.005	0.000	0.005	14
27	7.670	0.000	0.000	0.000	0.000	0	29.39	0.000	0.002	0.001	0.003	7	29.12	0.000	0.006	0.000	0.006	16
28	4.503	0.000	0.000	0.001	0.001	0	25.29	0.000	0.001	0.000	0.001	2	38.06	0.000	0.000	0.000	0.000	1
29	12.25	0.000	0.000	0.000	0.000	0	24.81	0.000	0.001	0.000	0.001	2	47.32	0.000	0.006	0.000	0.006	25
30	10.84	0.000	0.000	0.000	0.000	0	25.56	0.000	0.004	0.000	0.004	9	40.73	0.000	0.006	0.001	0.007	24
31							30.59	0.000	0.000	0.000	0.001	2	36.26	0.000	0.006	0.001	0.007	21
Ten Daily Mean																		
Ten Daily I	6.987	0.000	0.003	0.000	0.003	2	8.904	0.000	0.014	0.010	0.024	24	21.12	0.001	0.007	0.003	0.010	20
Ten Daily II	19.76	0.000	0.004	0.002	0.005	10	35.54	0.000	0.008	0.034	0.041	121	136.5	0.001	0.012	0.017	0.029	390
Ten Daily III	9.529	0.000	0.001	0.001	0.001	1	26.71	0.000	0.003	0.004	0.007	15	39.61	0.000	0.005	0.000	0.005	19
Monthly																		
Total							137					1623						4303

Annual Sediment Load (Metric Tonnes) : 7527

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : THENGUMARAHADA (CCGI0E9)

Local River : Moyar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

588

Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	39.64	0.000	0.007	0.000	0.007	25	23.25	0.000	0.005	0.007	0.012	24	16.20	0.000	0.007	0.001	0.008	11
2	28.10	0.000	0.001	0.000	0.001	2	19.38	0.000	0.004	0.006	0.010	17	9.210	0.000	0.010	0.001	0.011	8
3	35.26	0.000	0.001	0.000	0.001	4	14.08	0.000	0.008	0.001	0.009	10	8.164	0.000	0.005	0.000	0.005	4
4	33.68	0.000	0.004	0.000	0.004	13	31.31	0.000	0.006	0.013	0.019	50	12.19	0.000	0.005	0.001	0.006	6
5	22.94	0.000	0.011	0.000	0.011	22	24.54	0.000	0.004	0.013	0.017	36	8.268	0.000	0.005	0.001	0.006	4
6	24.02	0.000	0.002	0.000	0.002	5	21.43	0.000	0.007	0.010	0.017	31	15.60	0.000	0.007	0.001	0.008	10
7	20.81	0.000	0.004	0.001	0.005	8	37.53	0.000	0.008	0.011	0.019	63	11.90	0.000	0.002	0.001	0.003	3
8	22.94	0.000	0.003	0.000	0.003	6	22.46	0.000	0.008	0.001	0.009	16	7.521	0.000	0.000	0.000	0.000	0
9	26.76	0.000	0.004	0.000	0.004	8	38.72	0.000	0.006	0.018	0.024	79	12.73	0.000	0.000	0.001	0.001	1
10	21.08	0.000	0.003	0.000	0.003	6	40.35	0.000	0.004	0.001	0.005	16	12.09	0.000	0.000	0.000	0.000	0
11	20.15	0.000	0.008	0.001	0.009	15	31.23	0.000	0.003	0.015	0.018	49	11.74	0.000	0.000	0.000	0.000	0
12	19.55	0.000	0.004	0.000	0.004	7	24.21	0.000	0.005	0.001	0.006	12	7.964	0.000	0.000	0.000	0.000	0
13	22.93	0.000	0.003	0.001	0.004	8	23.90	0.000	0.001	0.001	0.002	3	7.638	0.000	0.000	0.001	0.001	0
14	24.53	0.000	0.003	0.001	0.004	8	22.32	0.000	0.001	0.001	0.002	3	8.190	0.000	0.000	0.001	0.001	1
15	16.47	0.000	0.005	0.001	0.006	8	28.16	0.000	0.008	0.015	0.023	56	8.865	0.000	0.000	0.001	0.001	0
16	17.71	0.000	0.005	0.001	0.006	9	22.46	0.000	0.008	0.001	0.009	17	9.286	0.000	0.000	0.001	0.001	1
17	16.24	0.000	0.003	0.001	0.004	5	22.79	0.000	0.002	0.001	0.003	5	9.344	0.000	0.000	0.001	0.001	1
18	13.70	0.000	0.002	0.000	0.002	3	21.12	0.000	0.002	0.001	0.003	5	8.791	0.000	0.000	0.001	0.001	0
19	9.282	0.000	0.006	0.000	0.006	5	17.17	0.000	0.002	0.001	0.002	3	8.234	0.000	0.000	0.001	0.001	0
20	14.71	0.000	0.001	0.000	0.001	2	23.57	0.000	0.004	0.001	0.005	9	11.02	0.000	0.000	0.001	0.001	1
21	9.187	0.000	0.001	0.000	0.001	1	37.53	0.000	0.006	0.001	0.007	24	10.43	0.000	0.000	0.001	0.001	1
22	9.764	0.000	0.001	0.000	0.001	1	18.44	0.000	0.011	0.000	0.011	18	10.59	0.000	0.000	0.001	0.001	1
23	15.60	0.000	0.002	0.001	0.003	4	21.78	0.000	0.002	0.000	0.002	4	14.58	0.000	0.000	0.001	0.001	1
24	10.15	0.000	0.001	0.001	0.002	1	13.92	0.000	0.009	0.001	0.010	12	13.27	0.000	0.000	0.001	0.001	1
25	32.98	0.037	0.001	0.034	0.072	205	18.97	0.000	0.006	0.001	0.007	11	10.43	0.000	0.000	0.001	0.001	1
26	23.00	0.000	0.002	0.001	0.003	5	17.87	0.000	0.005	0.001	0.006	9	8.048	0.000	0.000	0.001	0.001	0
27	32.42	0.040	0.026	0.004	0.070	196	17.64	0.000	0.002	0.001	0.003	4	9.001	0.000	0.000	0.001	0.001	1
28	30.81	0.000	0.005	0.001	0.006	15	16.11	0.000	0.004	0.001	0.005	7	10.99	0.000	0.000	0.000	0.000	0
29	32.62	0.000	0.006	0.001	0.007	18	17.15	0.000	0.004	0.001	0.005	7	7.155	0.000	0.000	0.001	0.001	0
30	23.55	0.000	0.005	0.000	0.006	11	17.00	0.000	0.006	0.001	0.007	10	7.520	0.000	0.000	0.000	0.000	0
31							16.38	0.000	0.002	0.001	0.003	4						
<u>Ten Daily Mean</u>																		
Ten Daily I	27.52	0.000	0.004	0.000	0.004	10	27.30	0.000	0.006	0.008	0.014	34	11.39	0.000	0.004	0.001	0.005	5
Ten Daily II	17.53	0.000	0.004	0.001	0.005	7	23.69	0.000	0.004	0.004	0.007	16	9.108	0.000	0.000	0.001	0.001	0
Ten Daily III	22.01	0.008	0.005	0.004	0.017	46	19.34	0.000	0.005	0.001	0.006	10	10.20	0.000	0.000	0.001	0.001	1
<u>Monthly</u>																		
Total						628						615						58

Annual Sediment Load (Metric Tonnes) : 7527

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : THENGUMARAHADA (CCGI0E9)

Local River : Moyar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

589

Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	11.43	0.000	0.000	0.001	0.001	1	7.508	0.000	0.000	0.000	0.000	0	5.130	0.000	0.000	0.000	0.000	0
2	10.97	0.000	0.000	0.001	0.001	1	4.263	0.000	0.000	0.001	0.001	0	3.097	0.000	0.000	0.000	0.000	0
3	5.567	0.000	0.000	0.001	0.001	0	3.829	0.000	0.000	0.001	0.001	0	2.613	0.000	0.000	0.000	0.000	0
4	11.07	0.000	0.000	0.001	0.001	1	5.229	0.000	0.000	0.000	0.000	0	2.499	0.000	0.000	0.000	0.000	0
5	10.09	0.000	0.000	0.001	0.001	0	3.860	0.000	0.000	0.001	0.001	0	2.020	0.000	0.000	0.000	0.000	0
6	10.59	0.000	0.000	0.001	0.001	1	6.422	0.000	0.000	0.001	0.001	0	1.759	0.000	0.000	0.000	0.000	0
7	10.21	0.000	0.000	0.001	0.001	1	3.844	0.000	0.000	0.000	0.000	0	3.852	0.000	0.000	0.000	0.000	0
8	9.224	0.000	0.000	0.001	0.001	0	12.62	0.000	0.000	0.001	0.001	1	3.567	0.000	0.000	0.000	0.000	0
9	9.297	0.000	0.000	0.001	0.001	0	10.89	0.000	0.000	0.000	0.000	0	3.940	0.000	0.000	0.000	0.000	0
10	4.371	0.000	0.000	0.001	0.001	0	7.548	0.000	0.000	0.001	0.001	0	8.146	0.000	0.000	0.000	0.000	0
11	9.334	0.000	0.000	0.000	0.000	0	7.479	0.000	0.000	0.000	0.000	0	2.540	0.000	0.000	0.000	0.000	0
12	14.29	0.000	0.000	0.001	0.001	1	7.420	0.000	0.000	0.001	0.001	0	4.132	0.000	0.000	0.000	0.000	0
13	9.735	0.000	0.000	0.001	0.001	1	8.146	0.000	0.000	0.001	0.001	0	2.277	0.000	0.000	0.000	0.000	0
14	8.841	0.000	0.000	0.001	0.001	1	7.788	0.000	0.000	0.001	0.001	0	2.173	0.000	0.000	0.000	0.000	0
15	5.326	0.000	0.000	0.000	0.000	0	7.428	0.000	0.000	0.001	0.001	0	2.694	0.000	0.000	0.000	0.000	0
16	8.146	0.000	0.000	0.001	0.001	0	3.063	0.000	0.000	0.000	0.000	0	8.530	0.000	0.000	0.000	0.000	0
17	4.431	0.000	0.000	0.001	0.001	0	3.845	0.000	0.000	0.000	0.000	0	8.521	0.000	0.000	0.000	0.000	0
18	7.210	0.000	0.000	0.000	0.000	0	1.937	0.000	0.000	0.001	0.001	0	4.466	0.000	0.000	0.000	0.000	0
19	8.424	0.000	0.000	0.001	0.001	0	6.115	0.000	0.000	0.001	0.001	0	8.563	0.000	0.000	0.000	0.000	0
20	8.962	0.000	0.000	0.001	0.001	0	5.501	0.000	0.000	0.001	0.001	0	7.522	0.000	0.000	0.000	0.000	0
21	8.890	0.000	0.000	0.000	0.000	0	3.819	0.000	0.000	0.000	0.000	0	3.317	0.000	0.000	0.000	0.000	0
22	9.684	0.000	0.000	0.000	0.000	0	5.334	0.000	0.000	0.000	0.000	0	1.997	0.000	0.000	0.000	0.000	0
23	5.501	0.000	0.000	0.000	0.000	0	3.143	0.000	0.000	0.000	0.000	0	1.799	0.000	0.000	0.000	0.000	0
24	2.927	0.000	0.000	0.000	0.000	0	7.592	0.000	0.000	0.000	0.000	0	1.614	0.000	0.000	0.000	0.000	0
25	5.501	0.000	0.000	0.000	0.000	0	7.849	0.000	0.000	0.000	0.000	0	1.598	0.000	0.000	0.000	0.000	0
26	4.798	0.000	0.000	0.000	0.000	0	5.501	0.000	0.000	0.000	0.000	0	8.548	0.000	0.000	0.001	0.001	0
27	5.928	0.000	0.000	0.000	0.000	0	6.422	0.000	0.000	0.000	0.000	0	3.903	0.000	0.000	0.000	0.000	0
28	3.029	0.000	0.000	0.000	0.000	0	5.215	0.000	0.000	0.000	0.000	0	2.855	0.000	0.000	0.000	0.000	0
29	7.343	0.000	0.000	0.000	0.000	0	7.626	0.000	0.000	0.000	0.000	0						
30	5.501	0.000	0.000	0.000	0.000	0	6.360	0.000	0.000	0.000	0.000	0						
31	4.446	0.000	0.000	0.001	0.001	0	3.309	0.000	0.000	0.000	0.000	0						
Ten Daily Mean																		
Ten Daily I	9.282	0.000	0.000	0.001	0.001	1	6.601	0.000	0.000	0.000	0.000	0	3.662	0.000	0.000	0.000	0.000	0
Ten Daily II	8.470	0.000	0.000	0.001	0.001	0	5.872	0.000	0.000	0.001	0.001	0	5.142	0.000	0.000	0.000	0.000	0
Ten Daily III	5.777	0.000	0.000	0.000	0.000	0	5.652	0.000	0.000	0.000	0.000	0	3.204	0.000	0.000	0.000	0.000	0
Monthly																		
Total						11						7						3

Annual Sediment Load (Metric Tonnes) : 7527

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : THENGUMARAHADA (CCGI0E9)

Local River : Moyar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

590

Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	9.895	0.000	0.000	0.000	0.000	0	3.098	0.000	0.000	0.000	0.000	0	4.727	0.000	0.000	0.000	0.000	0
2	13.01	0.000	0.000	0.018	0.018	20	4.784	0.000	0.000	0.000	0.000	0	5.507	0.000	0.000	0.001	0.001	0
3	4.932	0.000	0.000	0.000	0.000	0	7.192	0.000	0.000	0.001	0.001	0	3.881	0.000	0.000	0.000	0.000	0
4	3.921	0.000	0.000	0.000	0.000	0	7.061	0.000	0.000	0.000	0.000	0	5.933	0.000	0.000	0.001	0.001	0
5	9.869	0.000	0.000	0.001	0.001	1	7.740	0.000	0.000	0.000	0.000	0	1.761	0.000	0.000	0.000	0.000	0
6	3.657	0.000	0.000	0.000	0.000	0	1.555	0.000	0.000	0.001	0.001	0	3.051	0.000	0.000	0.000	0.000	0
7	2.051	0.000	0.000	0.001	0.001	0	3.009	0.000	0.000	0.000	0.000	0	7.476	0.000	0.000	0.001	0.001	1
8	4.383	0.000	0.000	0.000	0.000	0	4.494	0.000	0.000	0.001	0.001	0	1.865	0.000	0.000	0.000	0.000	0
9	3.987	0.000	0.000	0.000	0.000	0	3.288	0.000	0.000	0.001	0.001	0	1.828	0.000	0.000	0.000	0.000	0
10	3.901	0.000	0.000	0.000	0.000	0	1.178	0.000	0.000	0.001	0.001	0	11.41	0.000	0.000	0.001	0.001	1
11	6.571	0.000	0.000	0.000	0.000	0	1.502	0.000	0.000	0.001	0.001	0	5.719	0.000	0.000	0.000	0.000	0
12	2.877	0.000	0.000	0.001	0.001	0	1.669	0.000	0.000	0.000	0.000	0	2.613	0.000	0.000	0.000	0.000	0
13	1.724	0.000	0.000	0.001	0.001	0	2.574	0.000	0.000	0.000	0.000	0	2.758	0.000	0.000	0.000	0.000	0
14	7.643	0.000	0.000	0.001	0.001	0	4.932	0.000	0.000	0.000	0.000	0	5.742	0.000	0.000	0.001	0.001	0
15	5.133	0.000	0.000	0.001	0.001	0	3.306	0.000	0.000	0.000	0.000	0	2.757	0.000	0.000	0.000	0.000	0
16	3.607	0.000	0.000	0.001	0.001	0	1.496	0.000	0.000	0.001	0.001	0	4.937	0.000	0.046	0.001	0.047	20
17	4.932	0.000	0.000	0.001	0.001	0	6.422	0.000	0.000	0.001	0.001	0	5.944	0.000	0.073	0.001	0.074	38
18	4.515	0.000	0.000	0.001	0.001	0	2.613	0.000	0.000	0.000	0.000	0	6.422	0.000	0.000	0.001	0.001	1
19	2.787	0.000	0.000	0.001	0.001	0	1.099	0.000	0.000	0.000	0.000	0	8.146	0.000	0.000	0.001	0.001	1
20	4.358	0.000	0.000	0.001	0.001	0	3.800	0.000	0.000	0.000	0.000	0	2.727	0.000	0.000	0.001	0.001	0
21	2.811	0.000	0.000	0.000	0.000	0	3.666	0.000	0.000	0.000	0.000	0	9.841	0.000	0.033	0.001	0.034	29
22	4.764	0.000	0.000	0.000	0.000	0	2.717	0.000	0.000	0.000	0.000	0	3.189	0.000	0.000	0.001	0.001	0
23	3.063	0.000	0.000	0.000	0.000	0	2.297	0.000	0.000	0.000	0.000	0	4.697	0.000	0.000	0.001	0.001	0
24	8.146	0.000	0.000	0.001	0.001	1	1.588	0.000	0.000	0.000	0.000	0	2.807	0.000	0.000	0.001	0.001	0
25	2.568	0.000	0.000	0.001	0.001	0	3.570	0.000	0.000	0.000	0.000	0	4.597	0.000	0.000	0.001	0.001	0
26	2.634	0.000	0.000	0.001	0.001	0	3.098	0.000	0.000	0.000	0.000	0	2.249	0.000	0.000	0.001	0.001	0
27	4.740	0.000	0.000	0.001	0.001	0	3.612	0.000	0.000	0.000	0.000	0	2.481	0.000	0.051	0.001	0.052	11
28	6.303	0.000	0.000	0.000	0.000	0	3.901	0.000	0.000	0.000	0.000	0	6.186	0.000	0.018	0.001	0.019	10
29	3.152	0.000	0.000	0.000	0.000	0	5.824	0.000	0.000	0.000	0.000	0	4.333	0.000	0.000	0.001	0.001	0
30	7.567	0.000	0.000	0.000	0.000	0	1.761	0.000	0.000	0.000	0.000	0	7.959	0.000	0.000	0.000	0.000	0
31	2.613	0.000	0.000	0.000	0.000	0							6.141	0.000	0.000	0.000	0.000	0
<u>Ten Daily Mean</u>																		
Ten Daily I	5.961	0.000	0.000	0.002	0.002	2	4.340	0.000	0.000	0.000	0.000	0	4.744	0.000	0.000	0.001	0.001	0
Ten Daily II	4.415	0.000	0.000	0.001	0.001	0	2.941	0.000	0.000	0.000	0.000	0	4.777	0.000	0.012	0.001	0.013	6
Ten Daily III	4.396	0.000	0.000	0.000	0.000	0	3.203	0.000	0.000	0.000	0.000	0	4.953	0.000	0.009	0.001	0.010	5
<u>Monthly</u>																		
Total						25						3						115

Annual Sediment Load (Metric Tonnes) : 7527

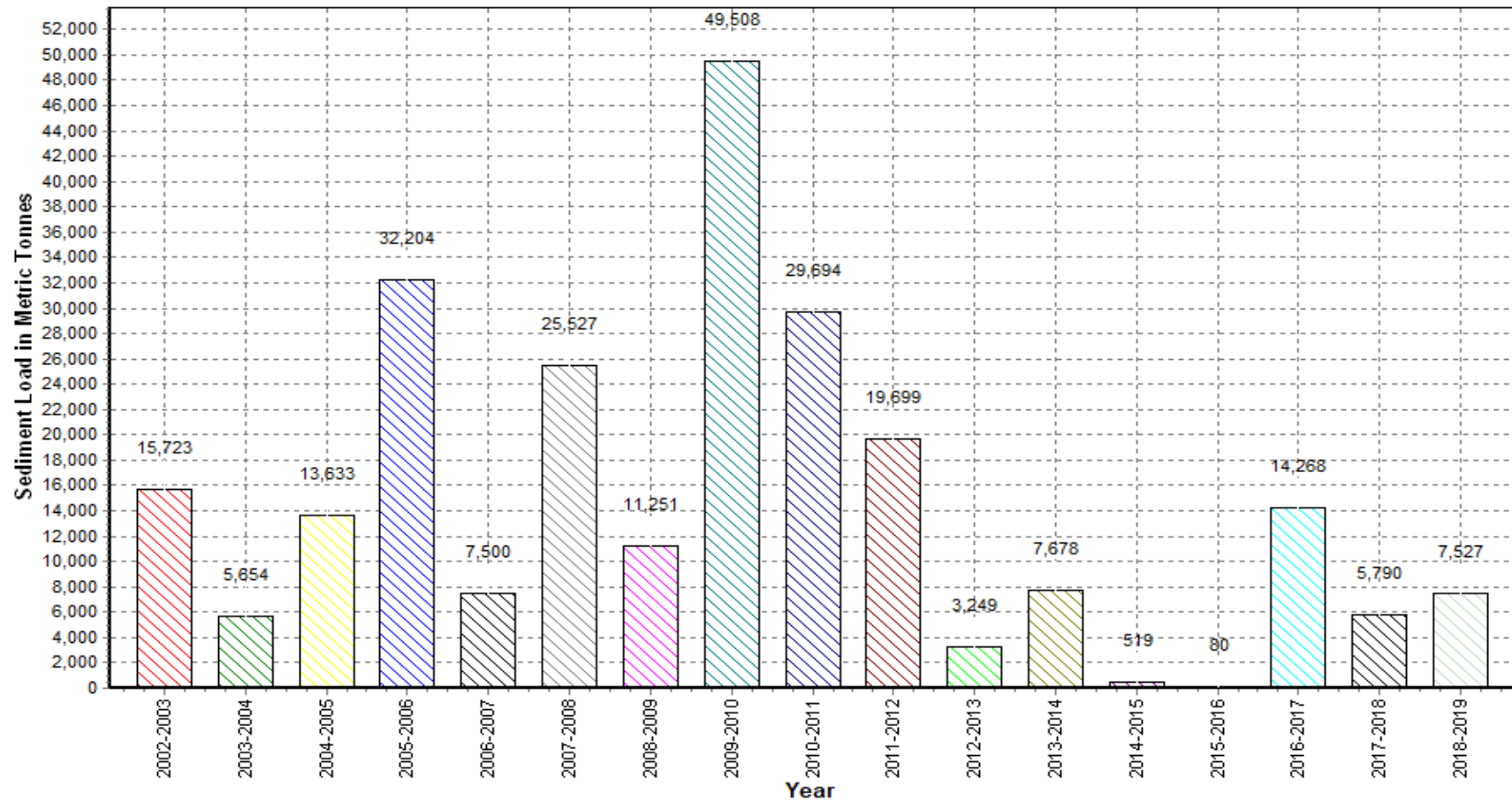
Annual Sediment Load for the period: 2002-2019

Station Name : THENGUMARAHADA (CCGI0E9)

Local River : Moyar

Division : SR Division, Coimbatore

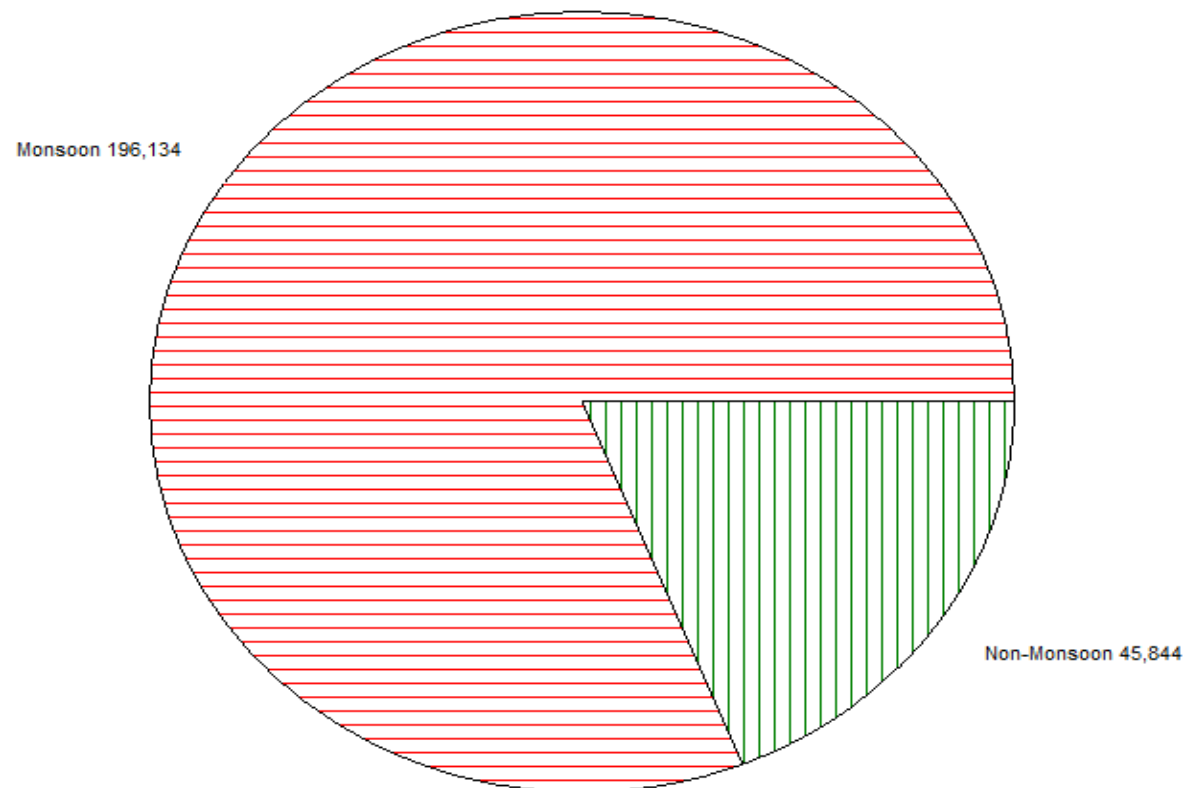
Sub-Division : Middle Cauvery SD, Coimbatore



Station Name : THENGUMARAHADA (CCGI0E9)
Local River : Moyar

Seasonal Sediment Load for the period : 2002-2018

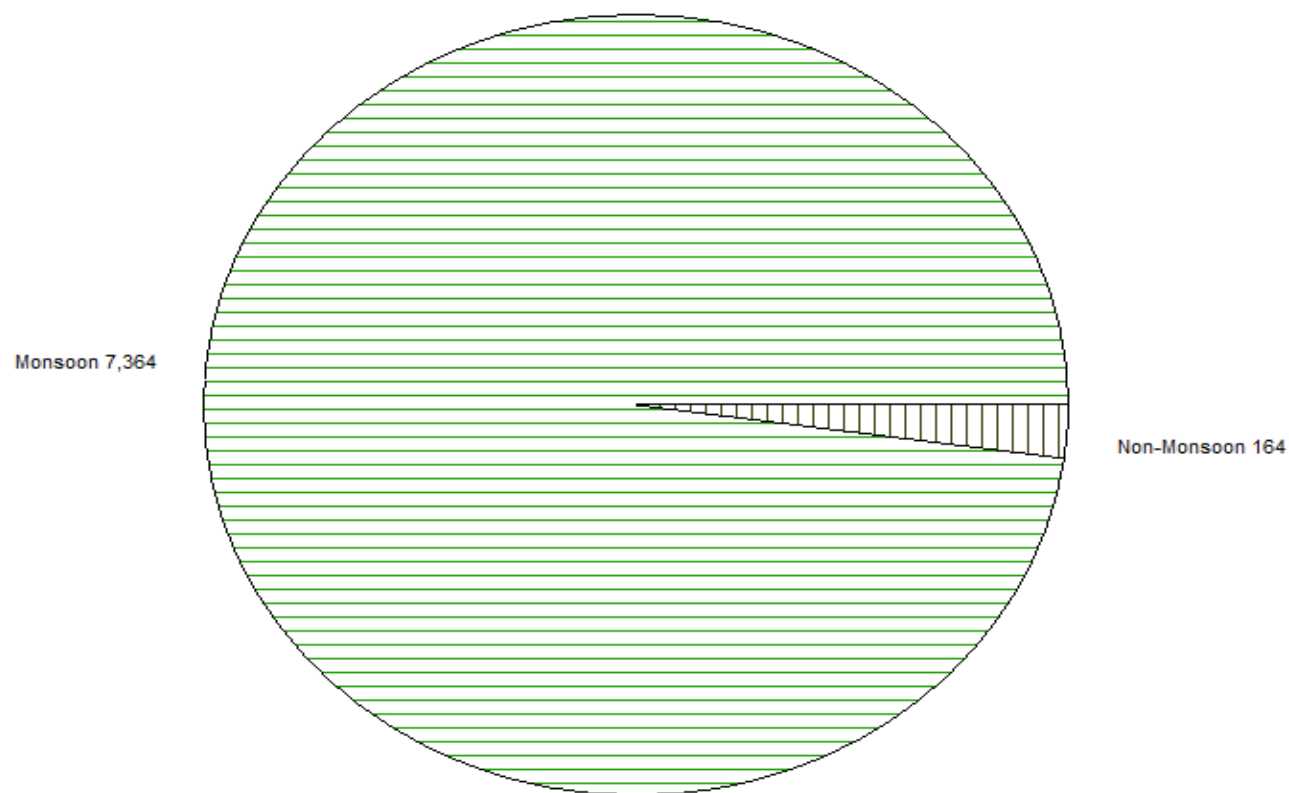
Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



Station Name : THENGUMARAHADA (CCGI0E9)
Local River : Moyar

Seasonal Sediment Load for the Year: 2018-2019

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



BED MATERIAL ANALYSIS DATA

RIVER : MOYAR **CODE No. : CCGI0E9**

SITE : THENGUMARAHADA **CROSS SECTION : SGL**

Sl.No.	DATA FOR SAMPLE COLLECTED										GENERAL DATA OF THE RIVER						
	R.D.(m)	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L.(GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/s)	DISCHARGE (m ³ /s)	Bed Material Composition		WETTED PERIMETER (m)	HYDRAULIC MEAN DEPTH (m)	MEAN VELOCITY (m/s)	SURFACE WATER SLOPE	DISCHARGE (m ³ /s)	Bed Material Composition	
									MAX SIZE (mm)	MEAN SIZE (mm)						MAX SIZE (mm)	MEAN SIZE (mm)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
MONSOON 2018										DATE OF COLLECTION		16/10/2018					
1	50	-	338.250	339.020	0.77	43.0	0.726		10.0	0.86							
2	65	-	338.160	339.020	0.86	43.0	0.657		12.0	1.24							
3	80	-	338.820	339.020	0.20	43.0		22.410	4.5	0.91	43.84	0.755	0.677	0.00070	22.410	12.0	1.00
POST MONSOON 2019										DATE OF COLLECTION		18/01/2019					
1	50	-	338.300	338.510	0.21	42.0	0.073		5.0	0.62							
2	65	-	338.180	338.510	0.33	42.0	0.271	1.9370	18.0	1.90	42.117	0.3196	0.1439	0.00015	1.937		
3	80	-	338.505	-					8.0	0.35						18.0	0.96
PRE MONSOON 2019										DATE OF COLLECTION		27/05/2019					
1	50	-	338.300	338.520	0.22	40.0	0.186		7.0	0.58							
2	65	-	338.160	338.520	0.36	40.0	0.205		15.0	1.09							
3	80	-	338.530					2.163	3.0	0.32	40.12	0.328	0.165	0.00020	2.163	15.0	0.66

Annual Sediment Load for period : 2003-2019**Station Name : NELLITHURAI (CCG00Q8)****Division : SR Division, Coimbatore****Local River : Bhavani****Sub-Division : Middle Cauvery SD, Coimbatore**

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
2003-2004	7280	9860	17140	136
2004-2005	81908	1193	83101	898
2005-2006	64993	6310	71303	1667
2006-2007	35970	621	36591	1198
2007-2008	50414	903	51317	1690
2008-2009	15377	372	15749	774
2009-2010	39893	4129	44022	2380
2010-2011	40841	11618	52459	2085
2011-2012	39944	7748	47692	2318
2012-2013	18985	2363	21348	1007
2013-2014	33939	4091	38030	2136
2014-2015	21636	4785	26421	1597
2015-2016	22802	3790	26592	1211
2016-2017	5909	0	5909	40
2017-2018	0	0	0	0
2018-2019	0	0	0	911

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : NELLITHURAI (CCG00Q8)

Local River : Bhavani

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

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Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	227.7	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	181.0	0.000	0.000	0.000	0.000	0
11	823.3	0.000	0.000	0.000	0.000	0	622.4	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	399.0	0.000	0.000	0.000	0.000	0	349.8	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	436.2	0.000	0.000	0.000	0.000	0	251.3	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	225.6	0.000	0.000	0.000	0.000	0	197.5	0.000	0.000	0.000	0.000	0	655.0	0.000	0.000	0.000	0.000	0
15	225.6	0.000	0.000	0.000	0.000	0	245.4	0.000	0.000	0.000	0.000	0	1057	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	219.3	0.000	0.000	0.000	0.000	0	819.7	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	299.7	0.000	0.000	0.000	0.000	0	1476	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	260.2	0.000	0.000	0.000	0.000	0	619.8	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	171.1	0.000	0.000	0.000	0.000	0	380.2	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	227.7	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	177.6	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31							0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
<u>Ten Daily Mean</u>																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	40.87	0.000	0.000	0.000	0.000	0
Ten Daily II	211.0	0.000	0.000	0.000	0.000	0	261.7	0.000	0.000	0.000	0.000	0	523.5	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	16.15	0.000	0.000	0.000	0.000	0
<u>Monthly</u>																		
Total						0						0						0

Annual Sediment Load (Metric Tonnes) : 0

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : NELLITHURAI (CCG00Q8)

Local River : Bhavani

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

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Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31							0.000	0.000	0.000	0.000	0.000	0						
<u>Ten Daily Mean</u>																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
<u>Monthly</u>																		
Total						0						0						0

Annual Sediment Load (Metric Tonnes) : 0

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : NELLITHURAI (CCG00Q8)

Local River : Bhavani

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

598

Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
31	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
<u>Ten Daily Mean</u>																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
<u>Monthly</u>																		
Total						0						0						0

Annual Sediment Load (Metric Tonnes) : 0

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : NELLITHURAI (CCG00Q8)

Local River : Bhavani

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

569

Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31	0.000	0.000	0.000	0.000	0.000	0							0.000	0.000	0.000	0.000	0.000	0
<u>Ten Daily Mean</u>																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
<u>Monthly</u>																		
Total						0						0						0

Annual Sediment Load (Metric Tonnes) : 0

Annual Sediment Load for the period: 2003-2019

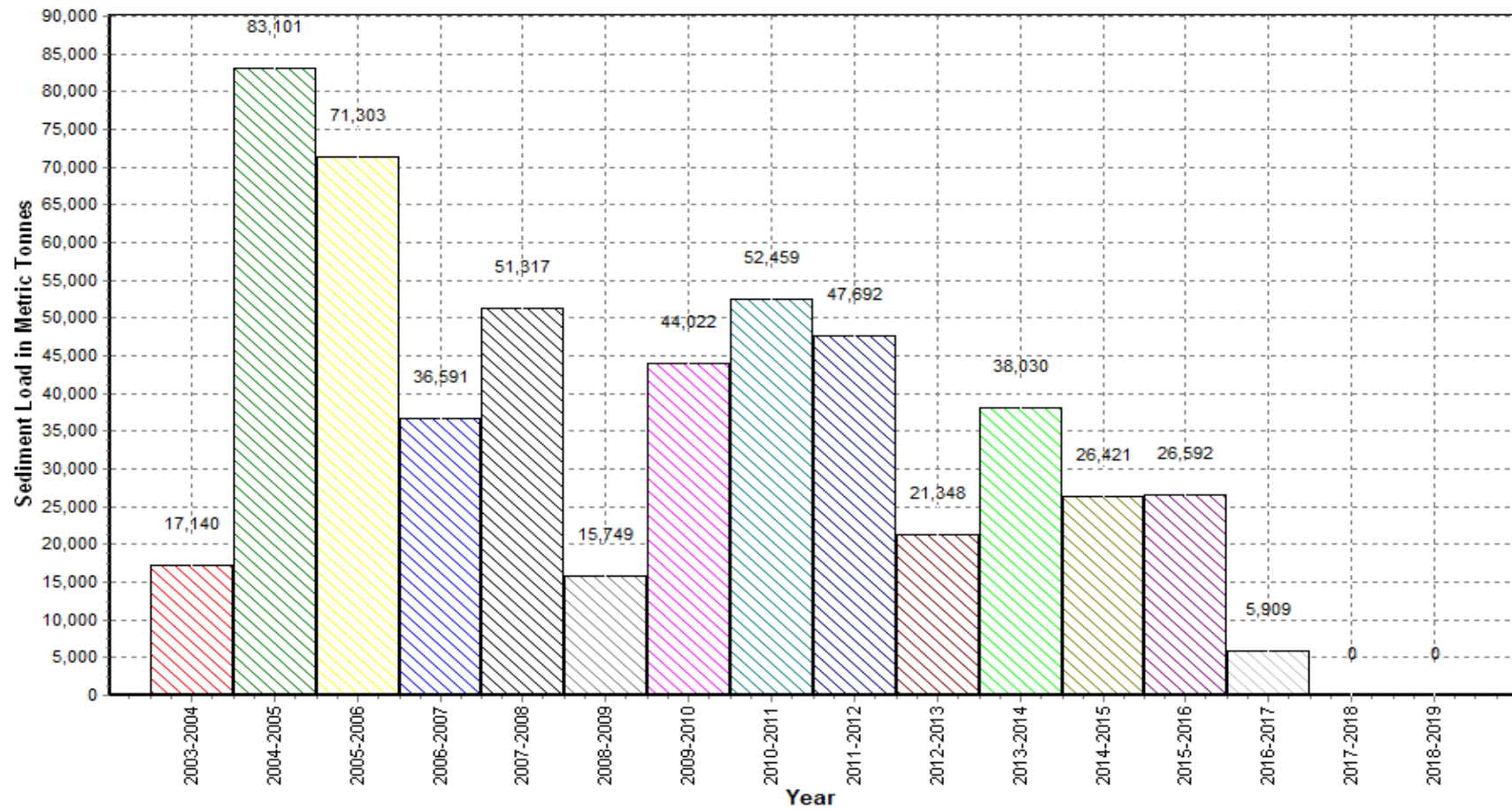
Station Name : NELLITHURAI (CCG00Q8)

Local River : Bhavani

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

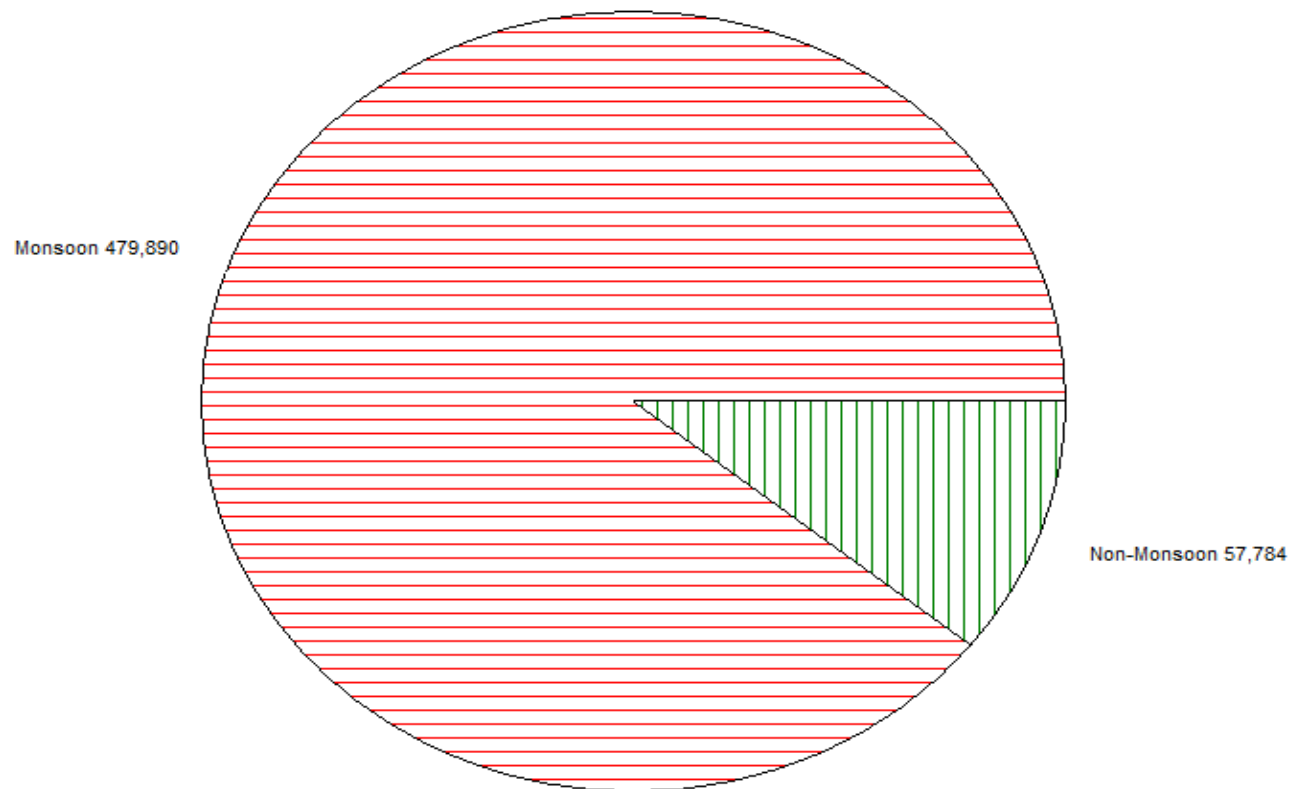
009



Station Name : NELLITHURAI (CCG00Q8)
Local River : Bhavani

Seasonal Sediment Load for the period : 2003-2018

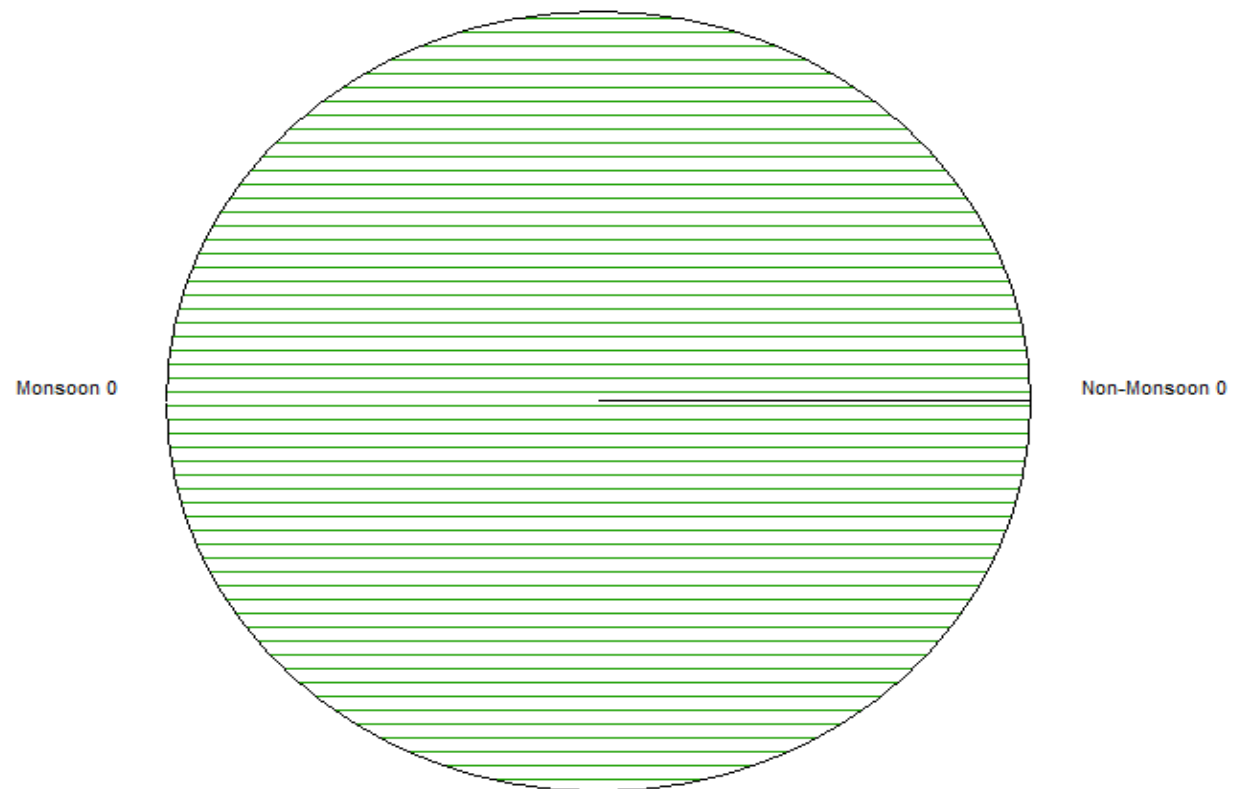
Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



Station Name : NELLITHURAI (CCG00Q8)
Local River : Bhavani

Seasonal Sediment Load for the Year: 2018-2019

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



Annual Sediment Load for period : 2001-2019**Station Name : URACHIKOTTAI (CC000K5)****Division : SR Division, Coimbatore****Local River : Cauvery****Sub-Division : Middle Cauvery SD, Coimbatore**

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
2001-2002	5771	2213	7984	6806
2002-2003	25036	11524	36560	2811
2003-2004	15700	4915	20615	1662
2004-2005	29003	16648	45651	4055
2005-2006	324392	14504	338896	10038
2006-2007	34067	3089	37156	8668
2007-2008	53155	1018	54173	8328
2008-2009	4401	1211	5612	6730
2009-2010	5453	1657	7110	5785
2010-2011	3650	1858	5508	4840
2011-2012	8296	9364	17660	7882
2012-2013	5311	1317	6628	3163
2013-2014	63192	13311	76503	6402
2014-2015	44672	20730	65402	5614
2015-2016	46143	12341	58484	4752
2016-2017	17791	0	17791	1530
2017-2018	12251	6855	19105	3002
2018-2019	101901	15864	117765	10219

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : URACHIKOTTAI (CC000K5)

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

604

Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	47.43	0.000	0.000	0.008	0.008	34	549.9	0.000	0.000	0.012	0.012	546
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	570.1	0.000	0.000	0.008	0.008	394
3	0.000	0.000	0.000	0.000	0.000	0	53.83	0.000	0.000	0.010	0.010	47	536.3	0.000	0.000	0.007	0.007	338
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	538.1	0.000	0.000	0.008	0.008	363
5	0.000	0.000	0.000	0.000	0.000	0	47.95	0.000	0.000	0.010	0.010	42	514.8	0.000	0.000	0.008	0.008	334
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	549.6	0.000	0.000	0.008	0.008	370
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	551.8	0.000	0.000	0.008	0.008	358
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	524.8	0.000	0.000	0.008	0.008	340
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	631.5	0.000	0.000	0.008	0.008	420
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	932.0	0.000	0.000	0.008	0.008	604
11	0.000	0.000	0.000	0.000	0.000	0	55.31	0.000	0.000	0.010	0.010	48	1509	0.000	0.000	0.012	0.012	1577
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	3783	0.000	0.000	0.020	0.020	6537
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2344	0.000	0.000	0.012	0.012	2511
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2289	0.000	0.000	0.013	0.013	2571
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2828	0.000	0.000	0.016	0.016	3934
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	4650	0.000	0.000	0.013	0.013	5223
17	0.000	0.000	0.000	0.000	0.000	0	86.30	0.000	0.000	0.009	0.009	67	4763	0.000	0.000	0.013	0.013	5391
18	0.000	0.000	0.000	0.000	0.000	0	84.55	0.000	0.000	0.011	0.011	82	5269	0.000	0.000	0.013	0.013	5872
19	0.000	0.000	0.000	0.000	0.000	0	84.55	0.000	0.000	0.011	0.011	81	5340	0.000	0.000	0.013	0.013	6044
20	0.000	0.000	0.000	0.000	0.000	0	549.9	0.000	0.000	0.011	0.011	537	5484	0.000	0.000	0.013	0.013	6112
21	0.000	0.000	0.000	0.000	0.000	0	644.3	0.000	0.000	0.011	0.011	629	2433	0.000	0.000	0.013	0.013	2691
22	0.000	0.000	0.000	0.000	0.000	0	610.6	0.000	0.000	0.011	0.011	564	2456	0.000	0.000	0.013	0.013	2737
23	0.000	0.000	0.000	0.000	0.000	0	896.6	0.000	0.000	0.011	0.011	868	1045	0.000	0.000	0.013	0.013	1146
24	0.000	0.000	0.000	0.000	0.000	0	1962	0.000	0.000	0.011	0.011	1915	920.9	0.000	0.000	0.013	0.013	1003
25	0.000	0.000	0.000	0.000	0.000	0	2141	0.000	0.000	0.011	0.011	2072	614.6	0.000	0.000	0.012	0.012	659
26	0.000	0.000	0.000	0.000	0.000	0	982.4	0.000	0.000	0.011	0.011	968	610.6	0.000	0.000	0.012	0.012	649
27	0.000	0.000	0.000	0.000	0.000	0	1762	0.000	0.000	0.011	0.011	1735	912.7	0.000	0.000	0.008	0.008	623
28	0.000	0.000	0.000	0.000	0.000	0	1602	0.000	0.000	0.012	0.012	1703	929.5	0.000	0.000	0.008	0.008	642
29	0.000	0.000	0.000	0.000	0.000	0	1286	0.000	0.000	0.010	0.010	1100	732.2	0.000	0.000	0.008	0.008	531
30	0.000	0.000	0.000	0.000	0.000	0	727.3	0.000	0.000	0.011	0.011	716	505.2	0.000	0.000	0.009	0.009	384
31							896.6	0.000	0.000	0.011	0.011	875	205.4	0.000	0.000	0.009	0.009	151
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	14.92	0.000	0.000	0.003	0.003	12	589.9	0.000	0.000	0.008	0.008	407
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	86.06	0.000	0.000	0.005	0.005	82	3826	0.000	0.000	0.014	0.014	4577
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	1228	0.000	0.000	0.011	0.011	1195	1033	0.000	0.000	0.011	0.011	1020
Monthly																		
Total						0						14084						61056

Annual Sediment Load (Metric Tonnes) : 117765

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : URACHIKOTTAI (CC000K5)

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

605

Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	759.4	0.000	0.000	0.008	0.008	551	515.8	0.000	0.000	0.012	0.012	521	429.8	0.000	0.000	0.012	0.012	438
2	666.6	0.000	0.000	0.008	0.008	478	629.0	0.000	0.000	0.012	0.012	658	169.6	0.000	0.000	0.012	0.012	171
3	547.8	0.000	0.000	0.008	0.008	383	630.9	0.000	0.000	0.012	0.012	660	0.000	0.000	0.000	0.000	0.000	0
4	378.4	0.000	0.000	0.012	0.012	389	396.7	0.000	0.000	0.012	0.012	398	0.000	0.000	0.000	0.000	0.000	0
5	205.5	0.000	0.000	0.009	0.009	160	86.82	0.000	0.000	0.012	0.012	88	0.000	0.000	0.000	0.000	0.000	0
6	214.1	0.000	0.000	0.009	0.009	170	61.30	0.000	0.000	0.012	0.012	61	0.000	0.000	0.000	0.000	0.000	0
7	200.0	0.000	0.000	0.009	0.009	147	67.18	0.000	0.000	0.013	0.013	74	0.000	0.000	0.000	0.000	0.000	0
8	490.1	0.000	0.000	0.009	0.009	364	61.30	0.000	0.000	0.012	0.012	62	0.000	0.000	0.000	0.000	0.000	0
9	462.1	0.000	0.000	0.008	0.008	323	77.39	0.000	0.000	0.012	0.012	78	77.29	0.000	0.000	0.012	0.012	77
10	605.3	0.000	0.000	0.008	0.008	408	36.17	0.000	0.000	0.013	0.013	39	169.6	0.000	0.000	0.012	0.012	173
11	609.3	0.000	0.000	0.008	0.008	395	169.6	0.000	0.000	0.012	0.012	173	144.0	0.000	0.000	0.010	0.010	124
12	611.8	0.000	0.000	0.008	0.008	418	263.9	0.000	0.000	0.012	0.012	271	181.8	0.000	0.000	0.012	0.012	187
13	680.9	0.000	0.000	0.008	0.008	465	226.4	0.000	0.000	0.012	0.012	231	74.20	0.000	0.000	0.012	0.012	76
14	692.6	0.000	0.000	0.008	0.008	479	315.4	0.000	0.000	0.012	0.012	327	0.000	0.000	0.000	0.000	0.000	0
15	671.2	0.000	0.000	0.008	0.008	452	326.5	0.000	0.000	0.012	0.012	339	47.17	0.000	0.000	0.012	0.012	48
16	657.1	0.000	0.000	0.008	0.008	431	445.0	0.000	0.000	0.012	0.012	465	61.30	0.000	0.000	0.012	0.012	62
17	704.8	0.000	0.000	0.009	0.009	518	445.0	0.000	0.000	0.012	0.012	469	52.33	0.000	0.000	0.012	0.012	53
18	662.0	0.000	0.000	0.008	0.008	458	427.4	0.000	0.000	0.012	0.012	428	0.000	0.000	0.000	0.000	0.000	0
19	664.8	0.000	0.000	0.008	0.008	448	423.6	0.000	0.000	0.012	0.012	421	69.46	0.000	0.000	0.012	0.012	71
20	671.6	0.000	0.000	0.008	0.008	453	442.4	0.000	0.000	0.012	0.012	459	57.57	0.000	0.000	0.012	0.012	58
21	642.9	0.000	0.000	0.008	0.008	439	401.4	0.000	0.000	0.011	0.011	378	0.000	0.000	0.000	0.000	0.000	0
22	660.7	0.000	0.000	0.008	0.008	462	439.8	0.000	0.000	0.012	0.012	452	0.000	0.000	0.000	0.000	0.000	0
23	671.3	0.000	0.000	0.008	0.008	464	442.4	0.000	0.000	0.012	0.012	463	0.000	0.000	0.000	0.000	0.000	0
24	667.0	0.000	0.000	0.008	0.008	461	429.8	0.000	0.000	0.012	0.012	442	0.000	0.000	0.000	0.000	0.000	0
25	681.3	0.000	0.000	0.008	0.008	465	439.8	0.000	0.000	0.012	0.012	460	0.000	0.000	0.000	0.000	0.000	0
26	667.7	0.000	0.000	0.008	0.008	473	433.2	0.000	0.000	0.012	0.012	453	0.000	0.000	0.000	0.000	0.000	0
27	747.2	0.000	0.000	0.013	0.013	826	515.8	0.000	0.000	0.012	0.012	517	117.8	0.000	0.000	0.012	0.012	120
28	747.2	0.000	0.000	0.013	0.013	839	510.6	0.000	0.000	0.012	0.012	507	49.30	0.000	0.000	0.012	0.012	49
29	743.6	0.000	0.000	0.013	0.013	822	568.6	0.000	0.000	0.012	0.012	580	78.51	0.000	0.000	0.012	0.012	79
30	309.0	0.000	0.000	0.005	0.005	141	562.3	0.000	0.000	0.012	0.012	564	77.29	0.000	0.000	0.012	0.012	79
31							568.6	0.000	0.000	0.012	0.012	575						
Ten Daily Mean																		
Ten Daily I	452.9	0.000	0.000	0.009	0.009	337	256.3	0.000	0.000	0.012	0.012	264	84.63	0.000	0.000	0.005	0.005	86
Ten Daily II	662.6	0.000	0.000	0.008	0.008	452	348.5	0.000	0.000	0.012	0.012	358	68.78	0.000	0.000	0.009	0.009	68
Ten Daily III	653.8	0.000	0.000	0.009	0.009	539	482.9	0.000	0.000	0.012	0.012	490	32.29	0.000	0.000	0.005	0.005	33
Monthly																		
Total						13283						11611						1867

Annual Sediment Load (Metric Tonnes) : 117765

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : URACHIKOTTAI (CC000K5)

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

606

Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	77.29	0.000	0.000	0.012	0.012	78	255.6	0.000	0.000	0.011	0.011	236	0.000	0.000	0.000	0.000	0.000	0
2	88.75	0.000	0.000	0.013	0.013	102	249.2	0.000	0.000	0.010	0.010	224	0.000	0.000	0.000	0.000	0.000	0
3	78.51	0.000	0.000	0.012	0.012	79	259.7	0.000	0.000	0.010	0.010	229	0.000	0.000	0.000	0.000	0.000	0
4	151.7	0.000	0.000	0.012	0.012	155	258.5	0.000	0.000	0.010	0.010	214	0.000	0.000	0.000	0.000	0.000	0
5	169.6	0.000	0.000	0.012	0.012	171	250.0	0.000	0.000	0.009	0.009	203	0.000	0.000	0.000	0.000	0.000	0
6	181.8	0.000	0.000	0.012	0.012	185	261.4	0.000	0.000	0.010	0.010	221	0.000	0.000	0.000	0.000	0.000	0
7	181.8	0.000	0.000	0.012	0.012	184	349.2	0.000	0.000	0.009	0.009	278	0.000	0.000	0.000	0.000	0.000	0
8	173.7	0.000	0.000	0.012	0.012	177	351.2	0.000	0.000	0.008	0.008	255	0.000	0.000	0.000	0.000	0.000	0
9	168.7	0.000	0.000	0.012	0.012	171	358.1	0.000	0.000	0.009	0.009	272	0.000	0.000	0.000	0.000	0.000	0
10	169.6	0.000	0.000	0.012	0.012	173	348.9	0.000	0.000	0.008	0.008	253	0.000	0.000	0.000	0.000	0.000	0
11	292.7	0.000	0.000	0.011	0.011	278	357.6	0.000	0.000	0.008	0.008	250	0.000	0.000	0.000	0.000	0.000	0
12	292.7	0.000	0.000	0.011	0.011	276	359.0	0.000	0.000	0.008	0.008	261	0.000	0.000	0.000	0.000	0.000	0
13	301.2	0.000	0.000	0.012	0.012	315	359.7	0.000	0.000	0.008	0.008	261	0.000	0.000	0.000	0.000	0.000	0
14	301.2	0.000	0.000	0.012	0.012	310	224.8	0.000	0.000	0.009	0.009	179	0.000	0.000	0.000	0.000	0.000	0
15	433.2	0.000	0.000	0.012	0.012	449	194.6	0.000	0.000	0.009	0.009	158	0.000	0.000	0.000	0.000	0.000	0
16	389.6	0.000	0.000	0.011	0.011	367	208.3	0.000	0.000	0.010	0.010	182	0.000	0.000	0.000	0.000	0.000	0
17	430.7	0.000	0.000	0.012	0.012	450	126.6	0.000	0.000	0.009	0.009	103	0.000	0.000	0.000	0.000	0.000	0
18	445.0	0.000	0.000	0.012	0.012	465	116.6	0.000	0.000	0.011	0.011	108	0.000	0.000	0.000	0.000	0.000	0
19	596.3	0.000	0.000	0.012	0.012	618	104.9	0.000	0.000	0.011	0.011	99	0.000	0.000	0.000	0.000	0.000	0
20	568.6	0.000	0.000	0.012	0.012	585	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	515.8	0.000	0.000	0.012	0.012	526	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	490.9	0.000	0.000	0.012	0.012	500	38.07	0.000	0.000	0.012	0.012	39	0.000	0.000	0.000	0.000	0.000	0
23	512.2	0.000	0.000	0.012	0.012	544	34.93	0.000	0.000	0.011	0.011	34	0.000	0.000	0.000	0.000	0.000	0
24	399.7	0.000	0.000	0.012	0.012	401	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	397.2	0.000	0.000	0.012	0.012	395	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	292.7	0.000	0.000	0.011	0.011	281	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	263.9	0.000	0.000	0.011	0.011	255	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	263.9	0.000	0.000	0.011	0.011	258	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.009	0.009	0
29	292.7	0.000	0.000	0.011	0.011	278	0.000	0.000	0.000	0.000	0.000	0						
30	258.3	0.000	0.000	0.011	0.011	239	0.000	0.000	0.000	0.000	0.000	0						
31	267.3	0.000	0.000	0.011	0.011	256	0.000	0.000	0.000	0.000	0.000	0						
Ten Daily Mean																		
Ten Daily I	144.1	0.000	0.000	0.012	0.012	147	294.2	0.000	0.000	0.009	0.009	239	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	405.1	0.000	0.000	0.012	0.012	411	205.2	0.000	0.000	0.008	0.008	160	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	359.5	0.000	0.000	0.011	0.011	358	6.636	0.000	0.000	0.002	0.002	7	0.000	0.000	0.000	0.001	0.001	0
Monthly																		
Total						9520						4058						0

Annual Sediment Load (Metric Tonnes) : 117765

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : URACHIKOTTAI (CC000K5)

Local River : Cauvery

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

607

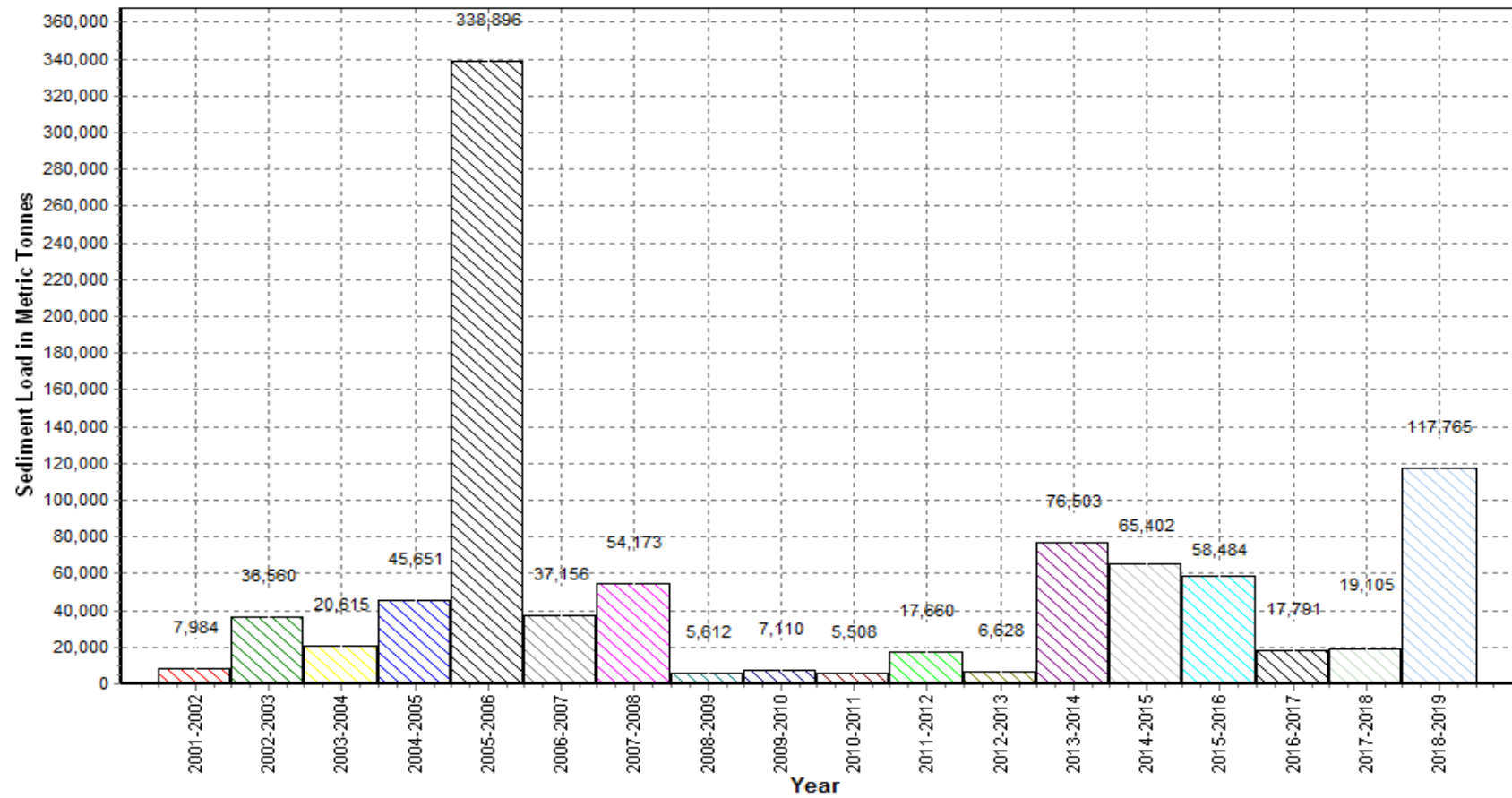
Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	68.01	0.000	0.000	0.009	0.009	51	191.6	0.000	0.000	0.010	0.010	166	0.000	0.000	0.000	0.000	0.000	0
2	68.98	0.000	0.000	0.008	0.008	49	234.5	0.000	0.000	0.010	0.010	203	0.000	0.000	0.000	0.000	0.000	0
3	34.32	0.000	0.000	0.004	0.004	12	178.9	0.000	0.000	0.010	0.010	155	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	201.3	0.000	0.000	0.009	0.009	157	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	170.8	0.000	0.000	0.009	0.009	133	0.000	0.000	0.000	0.000	0.000	0
6	54.82	0.000	0.000	0.008	0.008	39	165.6	0.000	0.000	0.010	0.010	143	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	178.8	0.000	0.000	0.011	0.011	167	0.000	0.000	0.000	0.000	0.000	0
8	56.75	0.000	0.000	0.008	0.008	39	144.1	0.000	0.000	0.010	0.010	124	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	125.1	0.000	0.000	0.010	0.010	108	0.000	0.000	0.000	0.000	0.000	0
10	37.78	0.000	0.000	0.006	0.006	18	58.71	0.000	0.000	0.011	0.011	56	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	85.41	0.000	0.000	0.010	0.010	74	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	122.6	0.000	0.000	0.010	0.010	106	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	57.08	0.000	0.000	0.010	0.010	48
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	70.14	0.000	0.000	0.010	0.010	58
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	61.43	0.000	0.000	0.009	0.009	49
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	71.12	0.000	0.000	0.009	0.009	56
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	48.84	0.000	0.000	0.010	0.010	40
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	32.10	0.000	0.000	0.007	0.007	19
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	11.93	0.000	0.000	0.003	0.003	3
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	45.74	0.000	0.000	0.010	0.010	38
21	0.000	0.000	0.000	0.000	0.000	0	42.66	0.000	0.000	0.008	0.008	29	49.45	0.000	0.000	0.009	0.009	39
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	79.39	0.000	0.000	0.009	0.009	62	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	57.00	0.000	0.000	0.009	0.009	46
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31	0.000	0.000	0.000	0.000	0.000	0							0.000	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	32.06	0.000	0.000	0.004	0.004	21	164.9	0.000	0.000	0.010	0.010	141	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	20.80	0.000	0.000	0.002	0.002	18	39.84	0.000	0.000	0.007	0.007	31
Ten Daily III	7.218	0.000	0.000	0.001	0.001	6	4.266	0.000	0.000	0.001	0.001	3	9.677	0.000	0.000	0.002	0.002	8
Monthly																		
Total						271						1620						395

Annual Sediment Load (Metric Tonnes) : 117765

Station Name : URACHIKOTTAI (CC000K5)
Local River : Cauvery

Annual Sediment Load for the period: 2001-2019

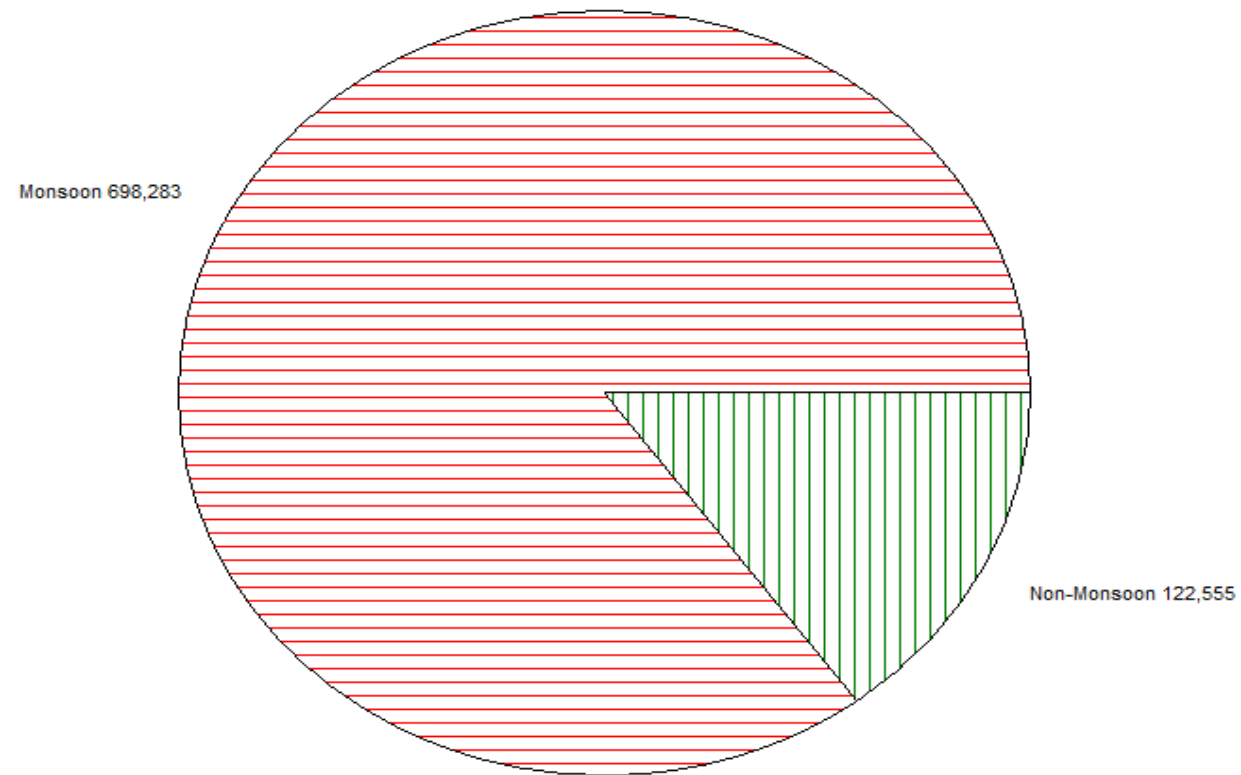
Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



Station Name : URACHIKOTTAI (CC000K5)
Local River : Cauvery

Seasonal Sediment Load for the period : 2001-2018

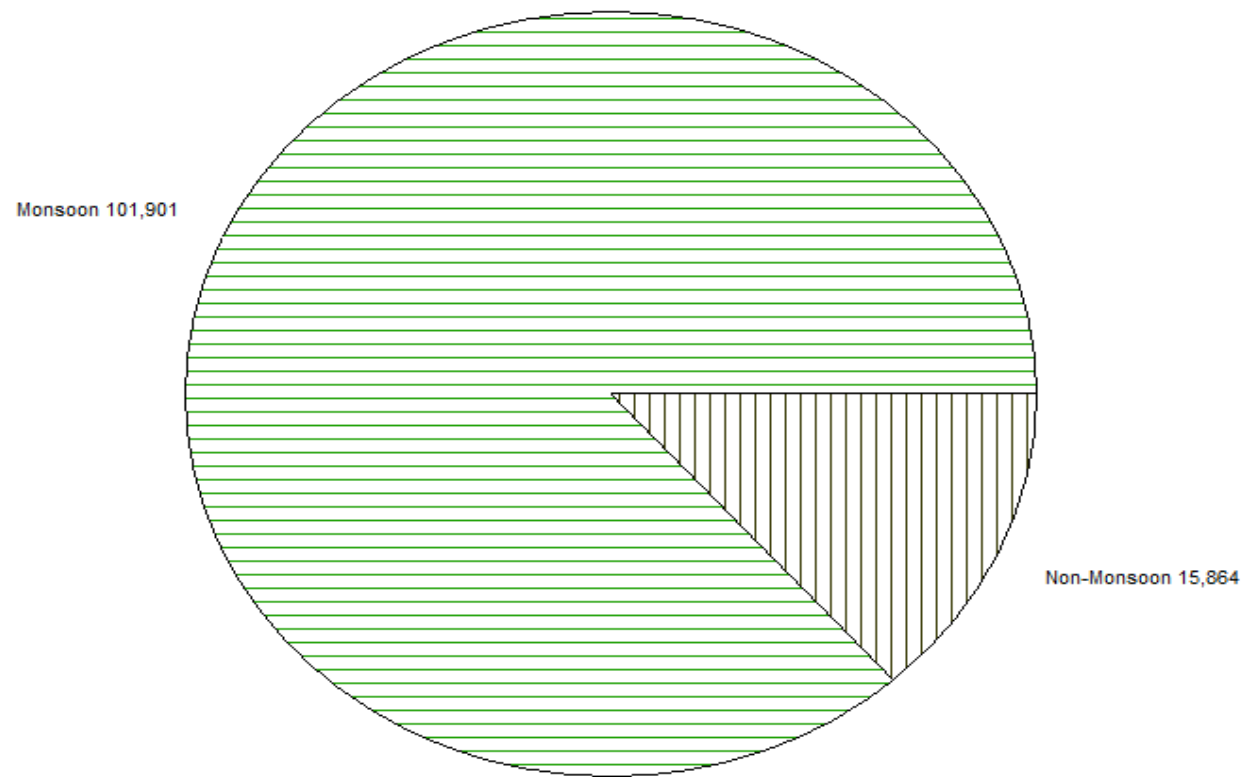
Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



Station Name : URACHIKOTTAI (CC000K5)
Local River : Cauvery

Seasonal Sediment Load for the Year: 2018-2019

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



Annual Sediment Load for period : 2013-2019

Station Name : KUDLUR (CCK00L9)

Division : SR Division, Coimbatore

Local River : Palar

Sub-Division : Middle Cauvery SD, Coimbatore

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
2013-2014	541	0	541	3
2014-2015	5774	678	6452	35
2015-2016	1683	492	2174	12
2016-2017	106	62	168	3
2017-2018	12209	1190	13399	39
2018-2019	4537	0	4537	29

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : KUDLUR (CCK00L9)

Local River : Palar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

612

Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.448	0.000	0.000	0.000	0.000	0	0.087	0.000	0.000	0.000	0.000	0	0.040	0.000	0.000	0.000	0.000	0
2	0.440	0.000	0.000	0.000	0.000	0	0.109	0.000	0.000	0.000	0.000	0	0.040	0.000	0.000	0.000	0.000	0
3	0.425	0.000	0.000	0.000	0.000	0	0.105	0.000	0.000	0.000	0.000	0	0.038	0.000	0.000	0.000	0.000	0
4	0.474	0.000	0.000	0.000	0.000	0	0.087	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	1.036	0.000	0.000	0.000	0.000	0	0.074	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.742	0.000	0.000	0.000	0.000	0	0.067	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.471	0.000	0.000	0.000	0.000	0	0.049	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.492	0.000	0.000	0.000	0.000	0	0.058	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.425	0.000	0.000	0.000	0.000	0	0.067	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.341	0.000	0.000	0.000	0.000	0	0.077	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.265	0.000	0.000	0.000	0.000	0	0.071	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.373	0.000	0.000	0.000	0.000	0	0.030	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.052	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.050	0.000	0.000	0.000	0.000	0	0.043	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.047	0.000	0.000	0.000	0.000	0	0.048	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.049	0.000	0.000	0.000	0.000	0	0.060	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.038	0.000	0.000	0.000	0.000	0	0.062	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.037	0.000	0.000	0.000	0.000	0	0.060	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.056	0.000	0.000	0.000	0.000	0	0.063	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.043	0.000	0.000	0.000	0.000	0	0.069	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.043	0.000	0.000	0.000	0.000	0	0.062	0.000	0.000	0.000	0.000	0
22	0.054	0.000	0.000	0.000	0.000	0	0.033	0.000	0.000	0.000	0.000	0	0.063	0.000	0.000	0.000	0.000	0
23	0.049	0.000	0.000	0.000	0.000	0	0.043	0.000	0.000	0.000	0.000	0	0.036	0.000	0.000	0.000	0.000	0
24	0.035	0.000	0.000	0.000	0.000	0	0.044	0.000	0.000	0.000	0.000	0	0.035	0.000	0.000	0.000	0.000	0
25	0.057	0.000	0.000	0.000	0.000	0	0.061	0.000	0.000	0.000	0.000	0	0.028	0.000	0.000	0.000	0.000	0
26	0.044	0.000	0.000	0.000	0.000	0	0.050	0.000	0.000	0.000	0.000	0	0.035	0.000	0.000	0.000	0.000	0
27	0.053	0.000	0.000	0.000	0.000	0	0.045	0.000	0.000	0.000	0.000	0	0.024	0.000	0.000	0.000	0.000	0
28	0.050	0.000	0.000	0.000	0.000	0	0.049	0.000	0.000	0.000	0.000	0	0.024	0.000	0.000	0.000	0.000	0
29	0.049	0.000	0.000	0.000	0.000	0	0.049	0.000	0.000	0.000	0.000	0	0.024	0.000	0.000	0.000	0.000	0
30	0.087	0.000	0.000	0.000	0.000	0	0.042	0.000	0.000	0.000	0.000	0	0.040	0.000	0.000	0.000	0.000	0
31							0.040	0.000	0.000	0.000	0.000	0	0.086	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	0.529	0.000	0.000	0.000	0.000	0	0.078	0.000	0.000	0.000	0.000	0	0.012	0.000	0.000	0.000	0.000	0
Ten Daily II	0.064	0.000	0.000	0.000	0.000	0	0.047	0.000	0.000	0.000	0.000	0	0.041	0.000	0.000	0.000	0.000	0
Ten Daily III	0.048	0.000	0.000	0.000	0.000	0	0.045	0.000	0.000	0.000	0.000	0	0.042	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						0						0

Annual Sediment Load (Metric Tonnes) : 4537

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : KUDLUR (CCK00L9)

Local River : Palar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

613

Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.052	0.000	0.000	0.000	0.000	0	3.005	0.000	0.000	0.139	0.139	36	1.514	0.000	0.000	0.123	0.123	16
2	0.048	0.000	0.000	0.000	0.000	0	1.446	0.000	0.000	0.148	0.148	18	1.835	0.000	0.000	0.070	0.070	11
3	0.040	0.000	0.000	0.000	0.000	0	1.533	0.000	0.000	0.156	0.156	21	1.695	0.000	0.000	0.103	0.103	15
4	0.036	0.000	0.000	0.000	0.000	0	6.551	0.000	0.000	0.261	0.261	148	2.178	0.000	0.000	0.081	0.081	15
5	0.036	0.000	0.000	0.000	0.000	0	2.751	0.000	0.000	0.144	0.144	34	1.852	0.000	0.000	0.069	0.069	11
6	0.000	0.000	0.000	0.000	0.000	0	3.979	0.000	0.000	0.141	0.141	48	1.518	0.000	0.000	0.102	0.102	13
7	0.000	0.000	0.000	0.000	0.000	0	17.62	0.000	0.000	0.236	0.236	359	1.579	0.000	0.000	0.106	0.106	14
8	0.000	0.000	0.000	0.000	0.000	0	4.124	0.000	0.000	0.249	0.249	89	1.294	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	21.64	0.000	0.000	0.102	0.102	191	1.198	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	5.947	0.000	0.000	0.217	0.217	112	1.222	0.000	0.000	0.000	0.000	0
11	0.051	0.000	0.000	0.000	0.000	0	4.544	0.000	0.000	0.136	0.136	53	1.188	0.000	0.000	0.000	0.000	0
12	0.550	0.000	0.000	0.000	0.000	0	3.762	0.000	0.000	0.075	0.075	24	0.998	0.000	0.000	0.000	0.000	0
13	0.513	0.000	0.000	0.000	0.000	0	3.043	0.000	0.000	0.074	0.074	19	1.090	0.000	0.000	0.000	0.000	0
14	0.446	0.000	0.000	0.000	0.000	0	3.265	0.000	0.000	0.081	0.081	23	0.994	0.000	0.000	0.000	0.000	0
15	14.64	0.000	0.000	0.191	0.191	242	7.341	0.000	0.000	0.195	0.195	124	0.843	0.000	0.000	0.000	0.000	0
16	6.043	0.000	0.000	0.321	0.321	167	5.880	0.000	0.000	0.152	0.152	77	0.884	0.000	0.000	0.000	0.000	0
17	3.844	0.000	0.000	0.299	0.299	99	13.52	0.000	0.000	0.181	0.181	211	1.001	0.000	0.000	0.000	0.000	0
18	1.203	0.000	0.000	0.273	0.273	28	7.253	0.000	0.000	0.252	0.252	158	0.995	0.000	0.000	0.000	0.000	0
19	0.752	0.000	0.000	0.000	0.000	0	6.666	0.000	0.000	0.232	0.232	133	1.099	0.000	0.000	0.000	0.000	0
20	0.510	0.000	0.000	0.000	0.000	0	6.679	0.000	0.000	0.232	0.232	134	1.091	0.000	0.000	0.000	0.000	0
21	0.377	0.000	0.000	0.000	0.000	0	4.608	0.000	0.000	0.042	0.042	17	1.188	0.000	0.000	0.000	0.000	0
22	0.279	0.000	0.000	0.000	0.000	0	5.004	0.000	0.000	0.046	0.046	20	1.067	0.000	0.000	0.000	0.000	0
23	0.377	0.000	0.000	0.000	0.000	0	3.693	0.000	0.000	0.113	0.113	36	1.188	0.000	0.000	0.000	0.000	0
24	0.839	0.000	0.000	0.000	0.000	0	2.939	0.000	0.000	0.090	0.090	23	1.146	0.000	0.000	0.000	0.000	0
25	0.974	0.000	0.000	0.000	0.000	0	2.862	0.000	0.000	0.098	0.098	24	1.089	0.000	0.000	0.000	0.000	0
26	0.675	0.000	0.000	0.000	0.000	0	2.744	0.000	0.000	0.087	0.087	21	1.054	0.000	0.000	0.000	0.000	0
27	7.792	0.000	0.000	0.616	0.616	415	2.306	0.000	0.000	0.079	0.079	16	0.974	0.000	0.000	0.000	0.000	0
28	7.340	0.000	0.000	0.316	0.316	200	2.035	0.000	0.000	0.081	0.081	14	0.838	0.000	0.000	0.000	0.000	0
29	49.39	0.000	0.000	0.235	0.235	1005	1.940	0.000	0.000	0.082	0.082	14	0.532	0.000	0.000	0.000	0.000	0
30	4.108	0.000	0.000	0.177	0.177	63	1.767	0.000	0.000	0.076	0.076	12	0.532	0.000	0.000	0.000	0.000	0
31							1.787	0.000	0.000	0.077	0.077	12						
Ten Daily Mean																		
Ten Daily I	0.021	0.000	0.000	0.000	0.000	0	6.860	0.000	0.000	0.179	0.179	106	1.589	0.000	0.000	0.065	0.065	10
Ten Daily II	2.855	0.000	0.000	0.108	0.108	54	6.195	0.000	0.000	0.161	0.161	96	1.018	0.000	0.000	0.000	0.000	0
Ten Daily III	7.215	0.000	0.000	0.134	0.134	168	2.880	0.000	0.000	0.079	0.079	19	0.961	0.000	0.000	0.000	0.000	0
Monthly																		
Total							2219					2221						96

Annual Sediment Load (Metric Tonnes) : 4537

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : KUDLUR (CCK00L9)

Local River : Palar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

614

Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.768	0.000	0.000	0.000	0.000	0	0.214	0.000	0.000	0.000	0.000	0	0.094	0.000	0.000	0.000	0.000	0
2	0.775	0.000	0.000	0.000	0.000	0	0.229	0.000	0.000	0.000	0.000	0	0.099	0.000	0.000	0.000	0.000	0
3	0.675	0.000	0.000	0.000	0.000	0	0.212	0.000	0.000	0.000	0.000	0	0.110	0.000	0.000	0.000	0.000	0
4	0.673	0.000	0.000	0.000	0.000	0	0.229	0.000	0.000	0.000	0.000	0	0.103	0.000	0.000	0.000	0.000	0
5	0.815	0.000	0.000	0.000	0.000	0	0.249	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.720	0.000	0.000	0.000	0.000	0	0.198	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.721	0.000	0.000	0.000	0.000	0	0.239	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.705	0.000	0.000	0.000	0.000	0	0.202	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.624	0.000	0.000	0.000	0.000	0	0.176	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.512	0.000	0.000	0.000	0.000	0	0.186	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.500	0.000	0.000	0.000	0.000	0	0.152	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.422	0.000	0.000	0.000	0.000	0	0.155	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.431	0.000	0.000	0.000	0.000	0	0.152	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.458	0.000	0.000	0.000	0.000	0	0.181	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.440	0.000	0.000	0.000	0.000	0	0.152	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.429	0.000	0.000	0.000	0.000	0	0.167	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.389	0.000	0.000	0.000	0.000	0	0.139	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.381	0.000	0.000	0.000	0.000	0	0.138	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.328	0.000	0.000	0.000	0.000	0	0.151	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.381	0.000	0.000	0.000	0.000	0	0.152	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.358	0.000	0.000	0.000	0.000	0	0.150	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.138	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.304	0.000	0.000	0.000	0.000	0	0.063	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.323	0.000	0.000	0.000	0.000	0	0.138	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.304	0.000	0.000	0.000	0.000	0	0.124	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.294	0.000	0.000	0.000	0.000	0	0.152	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.262	0.000	0.000	0.000	0.000	0	0.152	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.281	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.247	0.000	0.000	0.000	0.000	0	0.172	0.000	0.000	0.000	0.000	0						
30	0.198	0.000	0.000	0.000	0.000	0	0.142	0.000	0.000	0.000	0.000	0						
31	0.255	0.000	0.000	0.000	0.000	0	0.148	0.000	0.000	0.000	0.000	0						
Ten Daily Mean																		
Ten Daily I	0.699	0.000	0.000	0.000	0.000	0	0.213	0.000	0.000	0.000	0.000	0	0.041	0.000	0.000	0.000	0.000	0
Ten Daily II	0.416	0.000	0.000	0.000	0.000	0	0.154	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.257	0.000	0.000	0.000	0.000	0	0.125	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						0						0

Annual Sediment Load (Metric Tonnes) : 4537

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : KUDLUR (CCK00L9)

Local River : Palar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

615

Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	2.086	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.400	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.368	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.458	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.492	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.492	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.363	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.152	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31	0.000	0.000	0.000	0.000	0.000	0							0.249	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.481	0.000	0.000	0.000	0.000	0	0.023	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						0						0

Annual Sediment Load (Metric Tonnes) : 4537

Annual Sediment Load for the period: 2013-2019

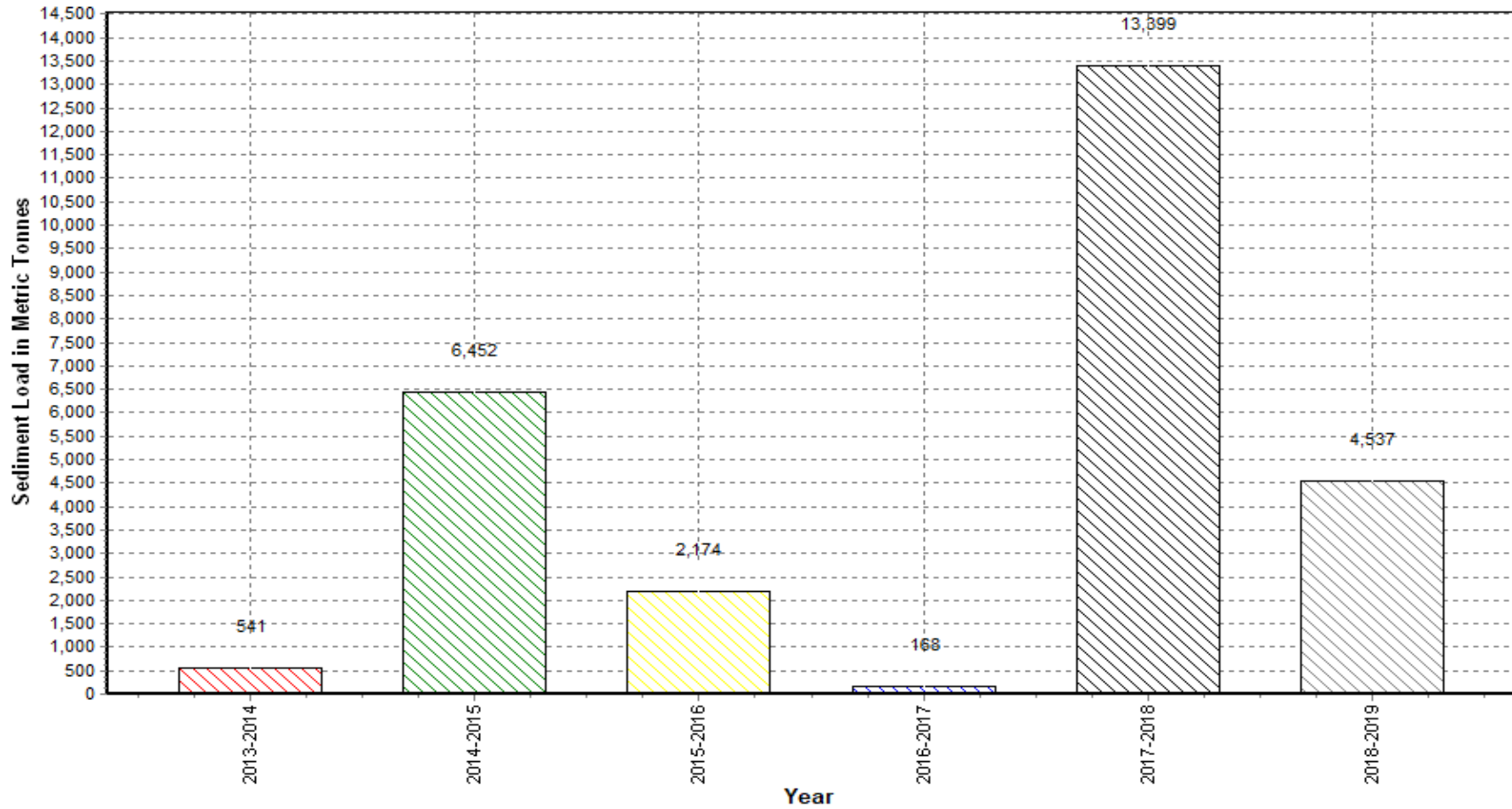
Station Name : KUDLUR (CCK00L9)

Local River : Palar

Division : SR Division, Coimbatore

Sub-Division : Middle Cauvery SD, Coimbatore

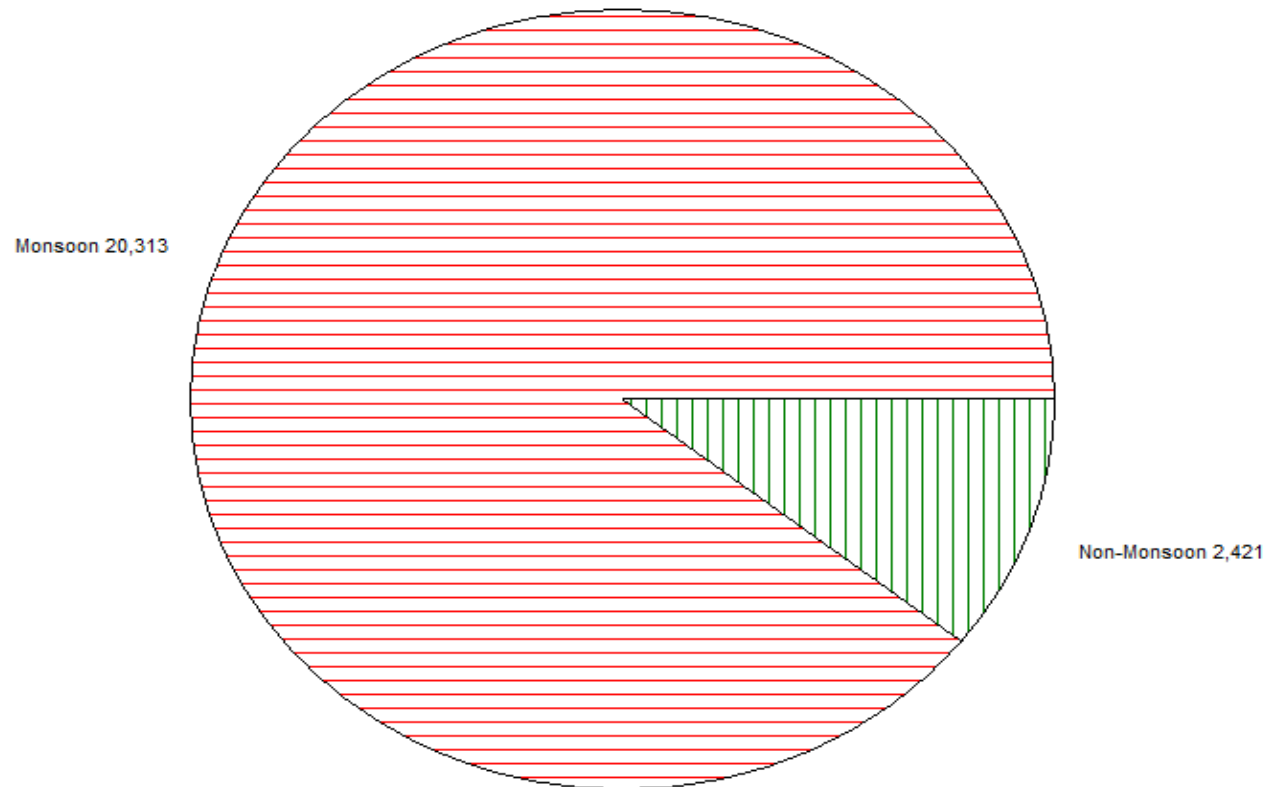
616



Station Name : KUDLUR (CCK00L9)
Local River : Palar

Seasonal Sediment Load for the period : 2013-2018

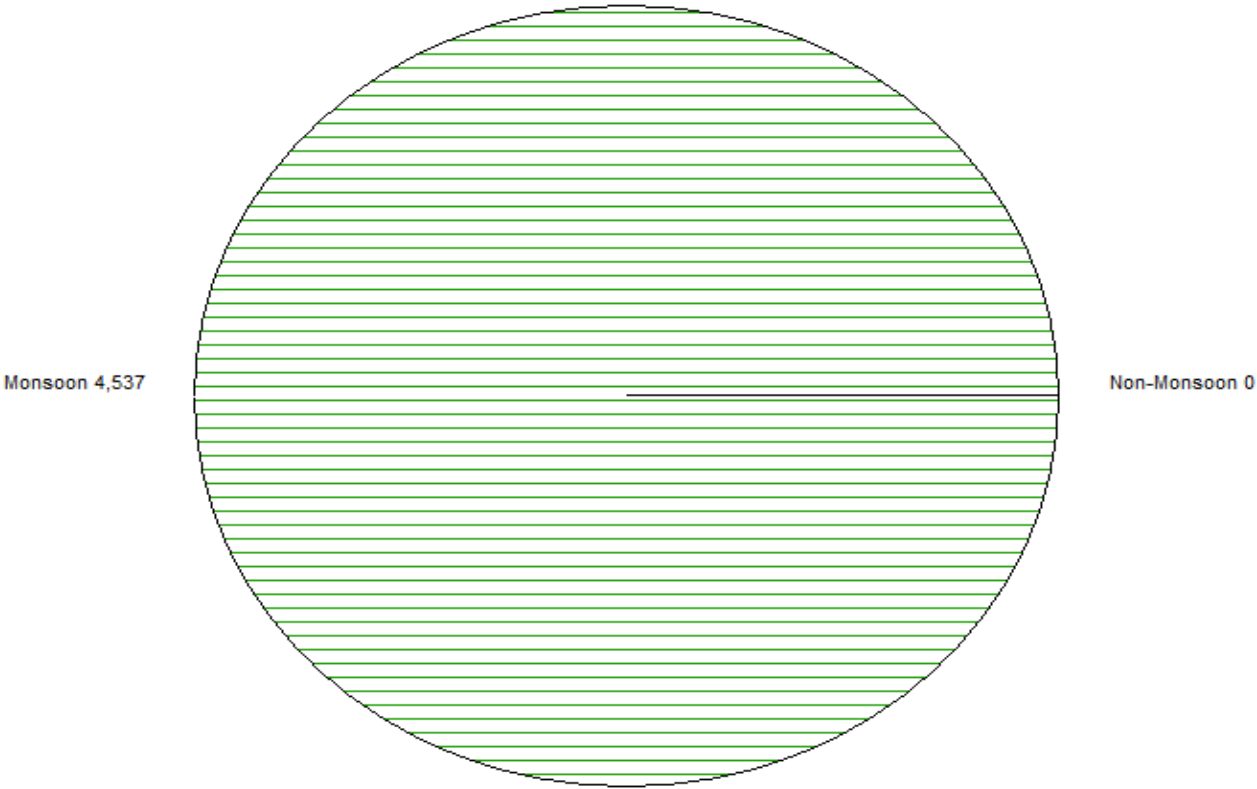
Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



Seasonal Sediment Load for the Year: 2018-2019

Station Name : KUDLUR (CCK00L9)
Local River : Palar

Division : SR Division, Coimbatore
Sub-Division : Middle Cauvery SD, Coimbatore



BED MATERIAL ANALYSIS DATA

RIVER : PALAR

CODE No. : CCK00L9

SITE : KUDLUR

CROSS SECTION : SGL

Sl.No.	DATA FOR SAMPLE COLLECTED										GENERAL DATA OF THE RIVER								
	R.D.(m)	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L.(GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/s)	DISCHARGE (m³/s)	Bed Material Composition		WETTED PERIMETER (m)	HYDRAULIC MEAN DEPTH (m)	MEAN VELOCITY (m/s)	SURFACE WATER SLOPE	DISCHARGE (m³/s)	Bed Material Composition			
									MAX SIZE (mm)	MEAN SIZE (mm)						MAX SIZE (mm)	MEAN SIZE (mm)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
MONSOON 2018										DATE OF COLLECTION		16/11/2018							
1	80	436.340	River Bed Dry						8.0	0.36	River Bed Dry								
2	100	436.055							17.0	0.45									
3	120	435.450							15.0	0.45									
4	140	434.990	435.270	0.280	12.0	0.386	0.862	12.0	2.45	12.069	0.2179	0.3276	0.0009	0.862	17.0	0.93			
POST MONSOON 2019										DATE OF COLLECTION		29/01/2019							
1	80	436.305	River Bed Dry						8.0	0.52	River Bed Dry								
2	100	436.000							5.0	0.38									
3	120	435.475							15.0	1.06									
4	140	434.880	435.020	0.140	12.0	0.116	0.017	15.0	2.14	12.021	0.1231	0.1155	0.00075	0.017	15.0	1.03			
PRE MONSOON 2019										DATE OF COLLECTION		22/05/2019							
1	80	436.300	River Bed Dry						14.0	0.64	River Bed Dry								
2	100	435.995							14.0	0.66									
3	120	435.480							12.0	1.19									
4	140	434.880	435.170	0.290	12.0			15.0	2.45	Negligible Flow					15.0	1.24			

Annual Sediment Load for period : 1972-2019**Station Name : Biligundulu (CC000N7)****Division : Cauvery Division, Bangalore****Local River : Cauvery****Sub-Division : Upper Cauvery SD, Bangalore**

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1972-1973	1546086	1505703	3051790	9843
1973-1974	2671137	38583	2709719	10075
1974-1975	1789753	221760	2011512	8967
1975-1976	2917466	26356	2943823	12896
1976-1977	196438	182824	379262	3630
1977-1978	1584865	41982	1626847	8995
1978-1979	824142	23471	847613	11343
1979-1980	828195	40595	868790	9386
1980-1981	785667	70423	856091	12543
1981-1982	2109672	36276	2145948	11810
1982-1983	463686	117203	580889	6069
1983-1984	1498429	93492	1591921	7211
1984-1985	1215440	45400	1260841	9075
1985-1986	632221	39028	671249	4976
1986-1987	816398	58460	874857	5510
1987-1988	541128	81712	622840	3042
1988-1989	858154	31263	889417	5418
1989-1990	1019663	47325	1066988	5292
1990-1991	220171	70372	290543	4468
1991-1992	2283454	51015	2334469	9644
1992-1993	746882	32783	779665	10154
1993-1994	353481	42285	395766	6523
1994-1995	1208859	22978	1231837	11157
1995-1996	334194	26444	360637	5536
1996-1997	648396	20898	669294	6989
1997-1998	721354	25229	746583	7845
1998-1999	578394	21507	599901	7338
1999-2000	529997	13985	543982	7749
2000-2001	950974	26377	977351	9040
2001-2002	184136	4432	188568	5431
2002-2003	112787	6445	119231	3114
2003-2004	54444	7541	61985	2140
2004-2005	326216	10724	336941	5208
2005-2006	874429	30162	904591	10871
2006-2007	129105	16345	145450	7322
2007-2008	576561	54836	631397	10013
2008-2009	415518	15215	430734	5950
2009-2010	268145	10465	278609	6305
2010-2011	79658	24010	103669	5996
2011-2012	123997	12772	136769	6809
2012-2013	33614	10214	43828	2844
2013-2014	108434	6817	115250	7348
2014-2015	56852	9218	66070	6392
2015-2016	45946	6619	52565	4361
2016-2017	21203	1419	22622	1973
2017-2018	33287	5412	38699	3500
2018-2019	107557	2119	109677	11284

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Biligundulu (CC000N7)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	56.50	0.000	0.000	0.011	0.011	54	539.0	0.000	0.000	0.020	0.020	945	444.1	0.000	0.000	0.009	0.009	345
2	45.73	0.000	0.000	0.011	0.011	43	291.9	0.000	0.000	0.011	0.011	277	432.2	0.000	0.000	0.005	0.005	187
3	42.09	0.000	0.000	0.012	0.012	44	204.6	0.000	0.000	0.013	0.013	230	446.5	0.000	0.000	0.004	0.004	154
4	45.65	0.000	0.000	0.013	0.013	51	160.2	0.000	0.000	0.013	0.013	176	491.9	0.000	0.000	0.007	0.007	298
5	76.13	0.000	0.000	0.010	0.010	66	155.2	0.000	0.000	0.014	0.014	188	382.7	0.000	0.000	0.007	0.007	228
6	64.78	0.000	0.000	0.010	0.010	56	160.3	0.000	0.000	0.013	0.013	180	387.5	0.000	0.000	0.007	0.007	234
7	44.46	0.000	0.000	0.011	0.011	42	89.73	0.000	0.000	0.011	0.011	85	360.8	0.000	0.000	0.008	0.008	249
8	51.14	0.000	0.000	0.011	0.011	49	58.80	0.000	0.000	0.007	0.007	37	304.6	0.000	0.000	0.009	0.009	237
9	49.64	0.000	0.000	0.011	0.011	47	160.5	0.000	0.000	0.013	0.013	180	262.9	0.000	0.000	0.002	0.002	45
10	30.54	0.000	0.000	0.009	0.009	25	881.8	0.000	0.000	0.010	0.010	762	1756	0.000	0.000	0.008	0.008	1214
11	25.34	0.000	0.000	0.009	0.009	20	967.2	0.000	0.001	0.011	0.012	1003	3896	0.000	0.000	0.008	0.008	2693
12	29.34	0.000	0.000	0.010	0.010	25	1043	0.000	0.000	0.012	0.012	1082	3576	0.000	0.000	0.008	0.008	2348
13	25.08	0.000	0.000	0.009	0.009	20	1260	0.000	0.000	0.012	0.012	1251	3112	0.000	0.000	0.007	0.007	1882
14	23.12	0.000	0.000	0.010	0.010	20	1252	0.000	0.000	0.011	0.011	1157	2561	0.000	0.000	0.009	0.009	1991
15	23.91	0.000	0.000	0.010	0.010	21	1234	0.000	0.000	0.007	0.007	768	3699	0.000	0.000	0.009	0.009	2908
16	25.38	0.000	0.000	0.011	0.011	23	2727	0.000	0.000	0.010	0.010	2309	4643	0.000	0.000	0.009	0.009	3651
17	826.5	0.000	0.000	0.010	0.010	714	3068	0.000	0.000	0.012	0.012	3180	4907	0.000	0.000	0.010	0.010	4028
18	626.7	0.000	0.000	0.011	0.011	596	3161	0.000	0.000	0.011	0.011	3058	5251	0.000	0.000	0.009	0.009	3947
19	268.7	0.000	0.000	0.012	0.012	279	2065	0.000	0.000	0.110	0.110	19625	5839	0.000	0.000	0.010	0.010	4894
20	99.22	0.000	0.000	0.011	0.011	94	2203	0.000	0.000	0.011	0.011	2094	4713	0.000	0.000	0.010	0.010	3990
21	73.37	0.000	0.000	0.010	0.010	63	1968	0.000	0.000	0.010	0.010	1701	2787	0.000	0.000	0.010	0.010	2408
22	46.94	0.000	0.000	0.011	0.011	45	1810	0.000	0.000	0.009	0.009	1439	692.6	0.000	0.000	0.007	0.007	419
23	542.3	0.000	0.000	0.011	0.011	515	2163	0.000	0.000	0.010	0.010	1869	434.0	0.000	0.000	0.010	0.010	375
24	390.9	0.000	0.000	0.012	0.012	392	2311	0.000	0.000	0.010	0.010	1997	679.9	0.000	0.000	0.011	0.011	646
25	275.5	0.000	0.000	0.012	0.012	286	1972	0.000	0.000	0.010	0.010	1704	696.9	0.000	0.000	0.011	0.011	680
26	201.1	0.000	0.000	0.034	0.034	591	1665	0.000	0.000	0.009	0.009	1295	860.4	0.000	0.000	0.011	0.011	818
27	78.89	0.000	0.000	0.010	0.010	68	2210	0.000	0.000	0.010	0.010	1910	444.4	0.000	0.000	0.013	0.013	499
28	59.88	0.000	0.000	0.011	0.011	57	1847	0.000	0.000	0.010	0.010	1596	396.7	0.000	0.000	0.011	0.011	377
29	42.94	0.000	0.000	0.010	0.010	37	720.5	0.000	0.000	0.013	0.013	809	427.3	0.000	0.000	0.003	0.003	111
30	382.4	0.000	0.000	0.011	0.011	363	621.5	0.000	0.000	0.011	0.011	591	586.7	0.000	0.000	0.003	0.003	152
31							638.8	0.000	0.000	0.011	0.011	624	578.0	0.000	0.000	0.003	0.003	150
Ten Daily Mean																		
Ten Daily I	50.66	0.000	0.000	0.011	0.011	48	270.2	0.000	0.000	0.013	0.013	306	526.9	0.000	0.000	0.007	0.007	319
Ten Daily II	197.3	0.000	0.000	0.010	0.010	181	1898	0.000	0.000	0.021	0.021	3553	4220	0.000	0.000	0.009	0.009	3233
Ten Daily III	209.4	0.000	0.000	0.013	0.013	242	1630	0.000	0.000	0.010	0.010	1412	780.4	0.000	0.000	0.008	0.008	603
Monthly																		
Total						4705						54120						42158

Annual Sediment Load (Metric Tonnes) : 109677

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Biligundulu (CC000N7)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	696.7	0.000	0.000	0.002	0.002	120	354.2	0.000	0.000	0.002	0.002	61	174.9	0.000	0.000	0.002	0.002	30
2	618.2	0.000	0.000	0.002	0.002	96	275.0	0.000	0.000	0.003	0.003	81	178.7	0.000	0.000	0.003	0.003	46
3	400.6	0.000	0.000	0.004	0.004	138	185.8	0.000	0.000	0.005	0.005	80	177.1	0.000	0.000	0.002	0.002	31
4	301.8	0.000	0.000	0.002	0.002	52	215.2	0.000	0.000	0.003	0.003	56	183.4	0.000	0.000	0.002	0.002	33
5	259.6	0.000	0.000	0.001	0.001	22	205.6	0.000	0.000	0.003	0.003	53	205.9	0.000	0.000	0.002	0.002	36
6	253.4	0.000	0.000	0.001	0.001	22	221.5	0.000	0.000	0.004	0.004	77	192.5	0.000	0.000	0.002	0.002	37
7	279.6	0.000	0.000	0.001	0.001	24	257.5	0.000	0.000	0.002	0.002	49	173.0	0.000	0.000	0.002	0.002	30
8	276.4	0.000	0.000	0.001	0.001	24	230.1	0.000	0.000	0.002	0.002	40	150.3	0.000	0.000	0.003	0.003	39
9	214.3	0.000	0.000	0.001	0.001	17	222.4	0.000	0.000	0.002	0.002	38	146.0	0.000	0.000	0.003	0.003	38
10	232.9	0.000	0.000	0.001	0.001	20	298.8	0.000	0.000	0.002	0.002	52	145.3	0.000	0.000	0.003	0.003	38
11	219.6	0.000	0.000	0.004	0.004	76	417.9	0.000	0.000	0.002	0.002	72	149.3	0.000	0.000	0.003	0.003	40
12	294.1	0.000	0.000	0.004	0.004	102	309.8	0.000	0.000	0.003	0.003	80	140.2	0.000	0.000	0.002	0.002	24
13	237.1	0.000	0.000	0.005	0.005	94	212.0	0.000	0.000	0.004	0.004	73	140.1	0.000	0.000	0.002	0.002	24
14	256.8	0.000	0.000	0.005	0.005	111	180.5	0.000	0.000	0.003	0.003	53	149.0	0.000	0.000	0.002	0.002	26
15	258.7	0.000	0.000	0.003	0.003	67	349.7	0.000	0.000	0.005	0.005	151	154.9	0.000	0.000	0.003	0.003	40
16	240.4	0.000	0.000	0.003	0.003	58	333.5	0.000	0.000	0.002	0.002	58	140.1	0.000	0.000	0.003	0.003	36
17	267.0	0.000	0.000	0.002	0.002	46	346.3	0.000	0.000	0.003	0.003	90	145.3	0.000	0.000	0.003	0.003	38
18	315.3	0.000	0.000	0.003	0.003	82	785.4	0.000	0.000	0.002	0.002	156	168.8	0.000	0.000	0.001	0.001	16
19	279.7	0.000	0.006	0.002	0.008	193	675.7	0.000	0.000	0.002	0.002	117	154.6	0.000	0.000	0.001	0.001	13
20	222.3	0.000	0.000	0.002	0.002	38	691.5	0.000	0.000	0.002	0.002	119	138.1	0.000	0.000	0.003	0.003	36
21	214.3	0.000	0.000	0.002	0.002	35	428.5	0.000	0.000	0.005	0.005	178	168.8	0.000	0.000	0.010	0.010	139
22	241.5	0.000	0.000	0.003	0.003	63	268.4	0.000	0.000	0.003	0.003	70	141.5	0.000	0.000	0.008	0.008	98
23	192.5	0.000	0.000	0.004	0.004	65	247.8	0.000	0.000	0.004	0.004	86	141.3	0.000	0.000	0.008	0.008	98
24	186.4	0.000	0.000	0.004	0.004	64	152.0	0.000	0.000	0.003	0.003	39	174.8	0.000	0.000	0.002	0.002	30
25	1067	0.000	0.000	0.004	0.004	369	151.0	0.000	0.000	0.004	0.004	52	189.4	0.000	0.000	0.003	0.003	52
26	566.2	0.000	0.000	0.002	0.002	98	134.6	0.000	0.000	0.005	0.005	58	180.3	0.000	0.000	0.003	0.003	47
27	769.4	0.000	0.000	0.007	0.007	465	138.6	0.000	0.000	0.004	0.004	48	177.0	0.000	0.000	0.003	0.003	46
28	653.7	0.000	0.000	0.005	0.005	282	121.9	0.000	0.000	0.002	0.002	18	186.5	0.000	0.000	0.002	0.002	32
29	382.5	0.000	0.000	0.003	0.003	99	140.4	0.000	0.000	0.002	0.002	24	146.6	0.000	0.000	0.001	0.001	13
30	469.1	0.000	0.000	0.004	0.004	150	152.5	0.000	0.000	0.004	0.004	53	140.5	0.000	0.000	0.003	0.003	36
31							160.3	0.000	0.000	0.004	0.004	58						
Ten Daily Mean																		
Ten Daily I	353.3	0.000	0.000	0.002	0.002	54	246.6	0.000	0.000	0.003	0.003	59	172.7	0.000	0.000	0.002	0.002	36
Ten Daily II	259.1	0.000	0.001	0.003	0.004	87	430.2	0.000	0.000	0.003	0.003	97	148.0	0.000	0.000	0.002	0.002	29
Ten Daily III	474.2	0.000	0.000	0.004	0.004	169	190.5	0.000	0.000	0.004	0.004	62	164.7	0.000	0.000	0.004	0.004	59
Monthly																		
Total						3094						2240						1241

Annual Sediment Load (Metric Tonnes) : 109677

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Biligundulu (CC000N7)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	137.5	0.000	0.000	0.003	0.003	36	41.70	0.000	0.000	0.004	0.004	14	17.97	0.000	0.000	0.001	0.001	2
2	139.0	0.000	0.000	0.002	0.002	24	38.07	0.000	0.000	0.003	0.003	10	16.23	0.000	0.000	0.001	0.001	1
3	137.7	0.000	0.000	0.002	0.002	24	34.98	0.000	0.000	0.002	0.002	6	19.58	0.000	0.000	0.001	0.001	2
4	125.2	0.000	0.000	0.002	0.002	22	23.03	0.000	0.000	0.002	0.002	4	26.98	0.000	0.000	0.001	0.001	2
5	119.6	0.000	0.000	0.002	0.002	21	20.34	0.000	0.000	0.002	0.002	4	25.64	0.000	0.000	0.001	0.001	2
6	95.31	0.000	0.000	0.002	0.002	16	17.30	0.000	0.000	0.002	0.002	3	43.53	0.000	0.000	0.004	0.004	15
7	98.28	0.000	0.000	0.002	0.002	17	23.70	0.000	0.000	0.001	0.001	2	40.96	0.000	0.000	0.002	0.002	7
8	95.28	0.000	0.000	0.002	0.002	16	23.73	0.000	0.000	0.002	0.002	4	36.75	0.000	0.000	0.007	0.007	22
9	89.96	0.000	0.000	0.003	0.003	20	20.50	0.000	0.000	0.001	0.001	2	31.33	0.000	0.000	0.002	0.002	5
10	78.69	0.000	0.000	0.004	0.004	27	17.01	0.000	0.000	0.002	0.002	3	24.44	0.000	0.000	0.046	0.046	97
11	74.74	0.000	0.000	0.004	0.004	26	18.37	0.000	0.000	0.002	0.002	3	14.23	0.000	0.000	0.111	0.111	136
12	72.64	0.000	0.000	0.004	0.004	25	40.17	0.000	0.000	0.004	0.004	14	11.54	0.000	0.000	0.025	0.025	25
13	66.99	0.000	0.000	0.004	0.004	23	44.12	0.000	0.000	0.004	0.004	17	8.360	0.000	0.000	0.031	0.031	22
14	71.28	0.000	0.000	0.003	0.003	18	39.04	0.000	0.000	0.002	0.002	7	8.579	0.000	0.000	0.009	0.009	7
15	70.11	0.000	0.000	0.003	0.003	18	32.39	0.000	0.000	0.002	0.002	5	8.823	0.000	0.000	0.008	0.008	6
16	74.70	0.000	0.000	0.003	0.003	20	26.99	0.000	0.000	0.003	0.003	7	13.90	0.000	0.000	0.006	0.006	7
17	71.77	0.000	0.000	0.003	0.003	19	26.24	0.000	0.000	0.003	0.003	7	15.11	0.000	0.000	0.007	0.007	8
18	65.12	0.000	0.000	0.004	0.004	23	20.66	0.000	0.000	0.002	0.002	4	13.77	0.000	0.000	0.002	0.002	2
19	65.06	0.000	0.000	0.002	0.002	12	23.46	0.000	0.000	0.000	0.000	0	36.23	0.000	0.000	0.001	0.001	3
20	56.35	0.000	0.000	0.003	0.003	15	25.71	0.000	0.000	0.000	0.000	0	44.82	0.000	0.000	0.006	0.006	23
21	48.06	0.000	0.000	0.003	0.003	12	17.02	0.000	0.000	0.001	0.001	1	46.78	0.000	0.000	0.000	0.000	0
22	51.43	0.000	0.000	0.002	0.002	9	17.78	0.000	0.000	0.003	0.003	5	25.88	0.000	0.000	0.003	0.003	7
23	58.72	0.000	0.000	0.003	0.003	15	57.44	0.000	0.000	0.006	0.006	30	19.43	0.000	0.000	0.001	0.001	2
24	58.04	0.000	0.000	0.003	0.003	15	54.17	0.000	0.000	0.003	0.003	14	10.10	0.000	0.000	0.032	0.032	28
25	57.03	0.000	0.000	0.003	0.003	15	46.81	0.000	0.000	0.001	0.001	6	7.796	0.000	0.000	0.025	0.025	17
26	50.51	0.000	0.000	0.004	0.004	17	42.59	0.000	0.000	0.001	0.001	3	7.750	0.000	0.000	0.025	0.025	17
27	48.54	0.000	0.000	0.003	0.003	13	44.12	0.000	0.000	0.001	0.001	4	7.685	0.000	0.000	0.015	0.015	10
28	47.38	0.000	0.000	0.003	0.003	12	44.93	0.000	0.000	0.001	0.001	4	13.31	0.000	0.000	0.006	0.006	7
29	42.35	0.000	0.000	0.003	0.003	11	32.64	0.000	0.000	0.002	0.002	6						
30	32.39	0.000	0.000	0.004	0.004	12	23.98	0.000	0.000	0.001	0.001	2						
31	37.16	0.000	0.000	0.005	0.005	16	16.96	0.000	0.000	0.001	0.001	1						
Ten Daily Mean																		
Ten Daily I	111.7	0.000	0.000	0.002	0.002	22	26.03	0.000	0.000	0.002	0.002	5	28.34	0.000	0.000	0.007	0.007	16
Ten Daily II	68.88	0.000	0.000	0.003	0.003	20	29.72	0.000	0.000	0.002	0.002	6	17.54	0.000	0.000	0.021	0.021	24
Ten Daily III	48.33	0.000	0.000	0.003	0.003	14	36.22	0.000	0.000	0.002	0.002	7	17.34	0.000	0.000	0.013	0.013	11
Monthly																		
Total						570						190						484

Annual Sediment Load (Metric Tonnes) : 109677

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Biligundulu (CC000N7)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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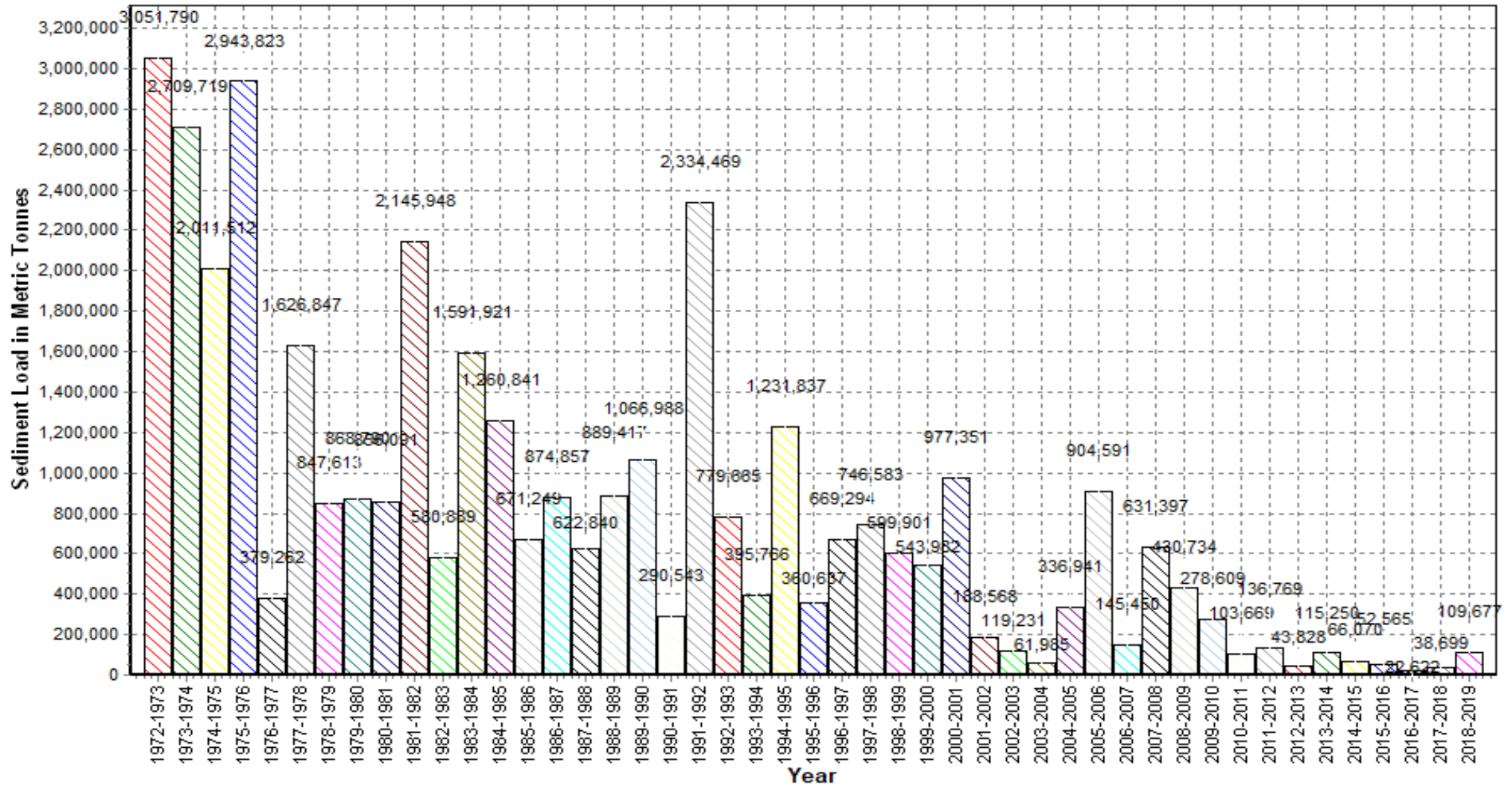
Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	29.19	0.000	0.000	0.006	0.006	15	22.00	0.000	0.000	0.002	0.002	4	24.01	0.000	0.000	0.002	0.002	4
2	24.52	0.000	0.000	0.005	0.005	11	22.65	0.000	0.000	0.005	0.005	10	35.62	0.000	0.000	0.002	0.002	6
3	23.19	0.000	0.000	0.005	0.005	10	19.25	0.000	0.000	0.009	0.009	15	39.45	0.000	0.000	0.005	0.005	17
4	22.32	0.000	0.000	0.005	0.005	10	23.42	0.000	0.000	0.005	0.005	10	60.48	0.000	0.000	0.003	0.003	16
5	19.19	0.000	0.000	0.010	0.010	17	13.39	0.000	0.000	0.005	0.005	6	48.83	0.000	0.000	0.006	0.006	25
6	19.41	0.000	0.000	0.001	0.001	2	11.14	0.000	0.000	0.012	0.012	12	32.39	0.000	0.000	0.004	0.004	11
7	9.962	0.000	0.000	0.089	0.089	77	10.10	0.000	0.000	0.008	0.008	7	24.41	0.000	0.000	0.003	0.003	6
8	9.186	0.000	0.000	0.011	0.011	8	9.194	0.000	0.000	0.005	0.005	4	21.86	0.000	0.000	0.001	0.001	2
9	11.47	0.000	0.000	0.007	0.007	7	8.523	0.000	0.000	0.009	0.009	7	33.21	0.000	0.000	0.009	0.009	26
10	21.97	0.000	0.000	0.005	0.005	10	9.022	0.000	0.000	0.008	0.008	6	31.68	0.000	0.000	0.009	0.009	25
11	20.96	0.000	0.000	0.005	0.005	9	21.10	0.000	0.000	0.001	0.001	2	33.88	0.000	0.000	0.009	0.009	26
12	13.31	0.000	0.000	0.005	0.005	6	43.21	0.000	0.000	0.000	0.000	0	25.71	0.000	0.000	0.003	0.003	6
13	15.19	0.000	0.000	0.006	0.006	8	35.08	0.000	0.000	0.002	0.002	6	29.81	0.000	0.000	0.003	0.003	8
14	18.42	0.000	0.000	0.007	0.007	11	18.43	0.000	0.000	0.021	0.021	33	24.23	0.000	0.000	0.013	0.013	27
15	18.17	0.000	0.000	0.005	0.005	8	8.931	0.000	0.000	0.010	0.010	8	21.51	0.000	0.000	0.002	0.002	4
16	15.10	0.000	0.000	0.012	0.012	16	20.91	0.000	0.000	0.002	0.002	4	22.37	0.000	0.000	0.005	0.005	10
17	18.43	0.000	0.000	0.015	0.015	23	15.11	0.000	0.000	0.001	0.001	2	24.47	0.000	0.000	0.003	0.003	6
18	17.26	0.000	0.000	0.000	0.000	0	21.65	0.000	0.000	0.003	0.003	6	16.19	0.000	0.000	0.002	0.002	3
19	15.22	0.000	0.000	0.006	0.006	8	23.19	0.000	0.000	0.003	0.003	6	16.19	0.000	0.000	0.002	0.002	3
20	15.04	0.000	0.000	0.005	0.005	6	15.79	0.000	0.000	0.010	0.010	14	30.97	0.000	0.000	0.004	0.004	11
21	20.22	0.000	0.000	0.003	0.003	5	17.30	0.000	0.000	0.009	0.009	13	22.41	0.000	0.000	0.006	0.006	12
22	14.87	0.000	0.000	0.002	0.002	3	21.18	0.000	0.000	0.005	0.005	9	15.26	0.000	0.000	0.002	0.002	3
23	13.49	0.000	0.000	0.006	0.006	7	30.76	0.000	0.000	0.006	0.006	16	14.51	0.000	0.000	0.002	0.002	3
24	16.19	0.000	0.000	0.007	0.007	10	36.29	0.000	0.000	0.001	0.001	3	9.886	0.000	0.000	0.003	0.003	3
25	10.01	0.000	0.000	0.013	0.013	11	20.75	0.000	0.000	0.004	0.004	7	15.30	0.000	0.000	0.004	0.004	5
26	10.09	0.000	0.000	0.004	0.004	3	22.80	0.000	0.000	0.004	0.004	8	12.02	0.000	0.000	0.005	0.005	5
27	9.316	0.000	0.000	0.004	0.004	3	22.50	0.000	0.000	0.003	0.003	6	8.973	0.000	0.000	0.005	0.005	4
28	11.65	0.000	0.000	0.003	0.003	3	21.97	0.000	0.000	0.003	0.003	6	10.69	0.000	0.000	0.005	0.005	5
29	8.312	0.000	0.000	0.006	0.006	4	16.63	0.000	0.000	0.002	0.002	2	8.024	0.000	0.000	0.004	0.004	3
30	14.51	0.000	0.000	0.003	0.003	4	18.33	0.000	0.000	0.004	0.004	6	40.48	0.000	0.000	0.006	0.006	21
31	12.02	0.000	0.000	0.003	0.003	3							44.40	0.000	0.000	0.005	0.005	19
Ten Daily Mean																		
Ten Daily I	19.04	0.000	0.000	0.014	0.014	17	14.87	0.000	0.000	0.007	0.007	8	35.19	0.000	0.000	0.004	0.004	14
Ten Daily II	16.71	0.000	0.000	0.007	0.007	9	22.34	0.000	0.000	0.005	0.005	8	24.53	0.000	0.000	0.005	0.005	10
Ten Daily III	12.79	0.000	0.000	0.005	0.005	5	22.85	0.000	0.000	0.004	0.004	8	18.36	0.000	0.000	0.004	0.004	7
Monthly																		
Total						317						236						322

Annual Sediment Load (Metric Tonnes) : 109677

Annual Sediment Load for the period: 1972-2019

Station Name : Biligundulu (CC000N7)
Local River : Cauvery

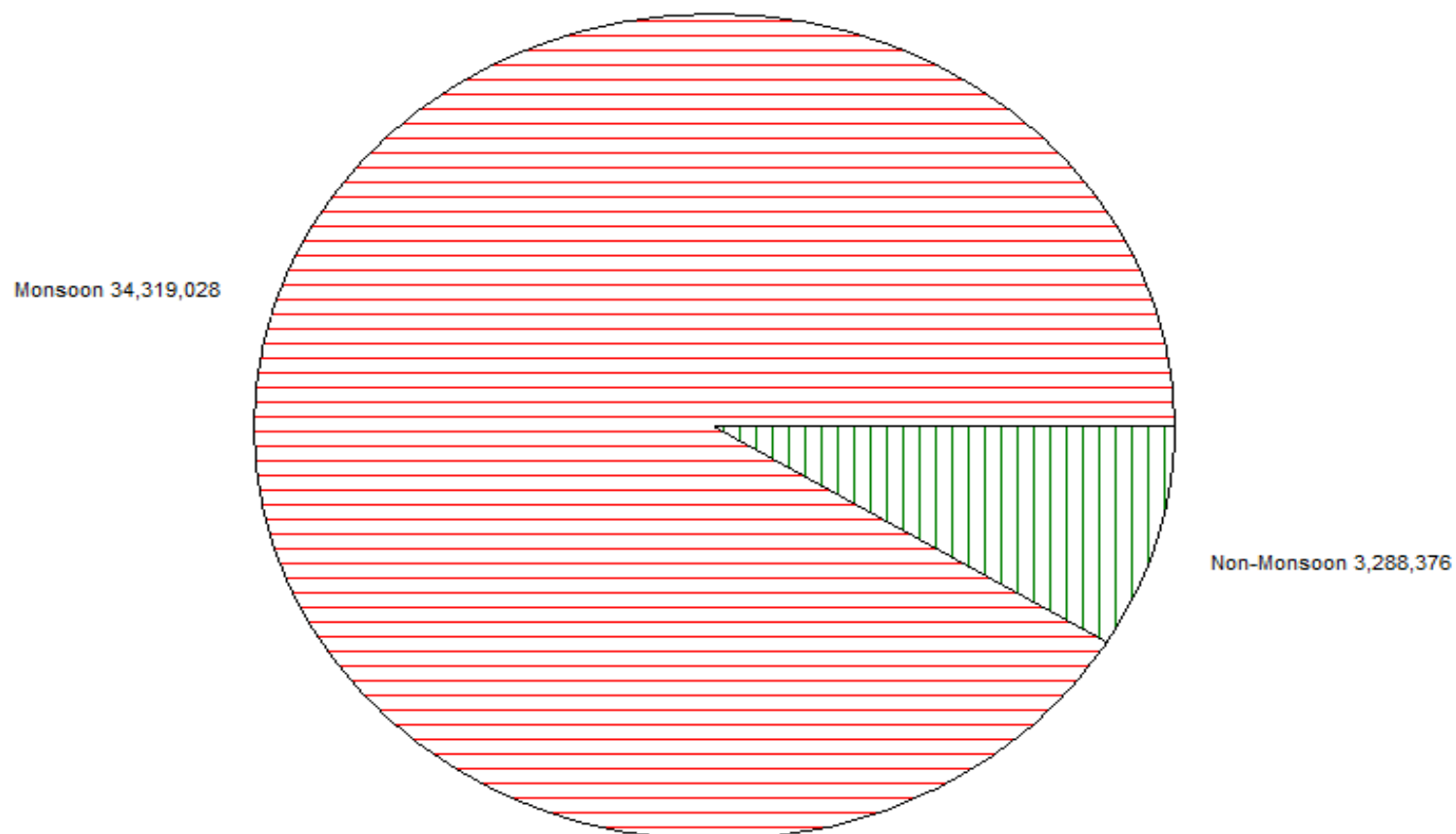
Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Station Name : Biligundulu (CC000N7)
Local River : Cauvery

Seasonal Sediment Load for the period : 1972-2018

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



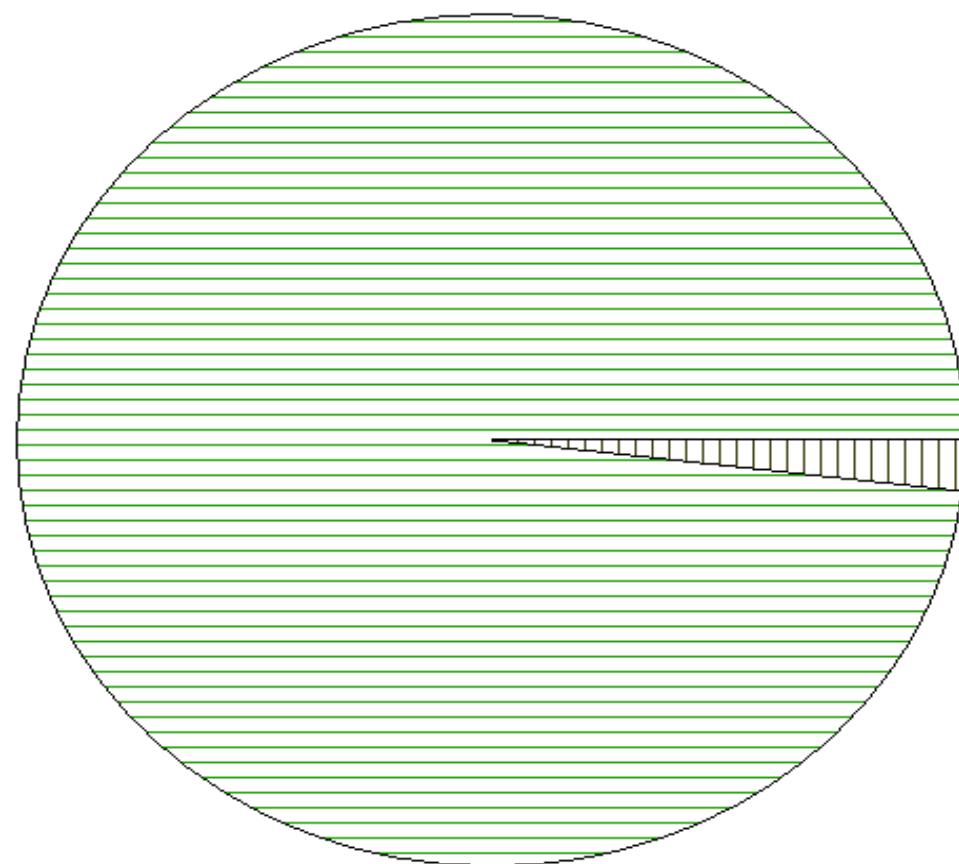
Seasonal Sediment Load for the Year: 2018-2019

Station Name : Biligundulu (CC000N7)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore



Monsoon 107,557

Non-Monsoon 2,119

BED MATERIAL ANALYSIS DATA

RIVER : CAUVERY

CODE No. : CC000N7

SITE : BILIGUNDULU

CROSS SECTION : SGL

Sl.No.	DATA FOR SAMPLE COLLECTED										GENERAL DATA OF THE RIVER								
	R.D.(m)	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L.(GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/s)	DISCHARGE (m³/s)	Bed Material Composition		WETTED PERIMETER (m)	HYDRAULIC MEAN DEPTH (m)	MEAN VELOCITY (m/s)	SURFACE WATER SLOPE	DISCHARGE (m³/s)	Bed Material Composition			
									MAX SIZE (mm)	MEAN SIZE (mm)						MAX SIZE (mm)	MEAN SIZE (mm)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
MONSOON 2018										DATE OF COLLECTION		10-11-2018							
1	40	260.375	-	-	-	159.7	0.026	5.010	10.0	0.3									
2	80	-	257.810	259.210	1.40				0.026	5.010								8.0	0.48
3	120	-	252.650	259.210	6.56				1.144	75.046								10.0	2.01
4	160	-	253.380	259.210	5.83				0.465	27.110								10.0	1.89
5	200	-	254.950	259.210	4.26													8.0	0.14
POST MONSOON 2019										DATE OF COLLECTION		01-08-2019							
1	40	260.335	-	-	117.7	-			8.0	0.27									
2	80	257.965	-	-		-			3.0	0.51									
3	120	-	254.120	257.800		3.68			-	10.0								1.61	
4	160	-	252.970	257.800		4.83			-	8.0								1.95	
5	200	-	254.990	257.800		2.81			-	23.600								4.0	0.61
PRE MONSOON 2019										DATE OF COLLECTION		21/05/2019							
1	40	260.340	-		-	123.6	-	-	5.0	0.15									
2	80	257.910	-		-		-	4.0	0.65										
3	120	-	253.940	257.790	3.850		-	10.0	1.82										
4	160	-	252.970	257.790	4.820		-	15.0	1.89										
5	200	-	254.810	257.790	2.980		-	22.160	4.5	0.40								126.19	3.812

Annual Sediment Load for period : 2014-2019

Station Name : T. BEKUPPE (T. BEKUPPE)

Division : Cauvery Division, Bangalore

Local River : Arkavathi

Sub-Division : Upper Cauvery SD, Bangalore

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
2014-2015	7222	3406	10628	222
2015-2016	8477	3151	11628	283
2016-2017	5434	6065	11498	197
2017-2018	48816	3743	52560	568
2018-2019	9466	2384	11850	288

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : T. BEKUPPE (T. BEKUPPE)

Local River : Arkavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	10.23	0.000	0.000	0.036	0.036	31	9.470	0.000	0.000	0.065	0.065	53	6.777	0.000	0.000	0.031	0.031	18
2	10.77	0.000	0.000	0.037	0.037	34	8.357	0.000	0.000	0.022	0.022	16	5.252	0.000	0.000	0.045	0.045	20
3	10.41	0.000	0.000	0.037	0.037	33	7.798	0.000	0.000	0.027	0.027	18	6.889	0.000	0.000	0.028	0.028	17
4	10.07	0.000	0.000	0.045	0.045	39	8.316	0.000	0.000	0.037	0.037	27	9.315	0.000	0.000	0.033	0.033	27
5	11.21	0.000	0.000	0.043	0.043	41	7.710	0.000	0.000	0.065	0.065	43	10.90	0.000	0.000	0.038	0.038	36
6	33.26	0.000	0.000	0.018	0.018	52	7.520	0.000	0.000	0.083	0.083	54	12.38	0.000	0.000	0.032	0.032	34
7	11.33	0.000	0.000	0.081	0.081	79	6.919	0.000	0.000	0.045	0.045	27	12.40	0.000	0.000	0.034	0.034	36
8	10.68	0.000	0.000	0.051	0.051	47	6.477	0.000	0.000	0.045	0.045	25	12.99	0.000	0.000	0.031	0.031	34
9	10.13	0.000	0.000	0.047	0.047	41	5.327	0.000	0.000	0.047	0.047	22	13.90	0.000	0.000	0.031	0.031	37
10	10.90	0.000	0.000	0.005	0.005	4	6.944	0.000	0.000	0.084	0.084	51	12.79	0.000	0.000	0.032	0.032	35
11	9.595	0.000	0.000	0.042	0.042	34	6.575	0.000	0.000	0.077	0.077	44	14.07	0.000	0.000	0.024	0.024	29
12	10.15	0.000	0.000	0.065	0.065	57	7.936	0.000	0.000	0.038	0.038	26	12.42	0.000	0.000	0.048	0.048	51
13	9.641	0.000	0.000	0.055	0.055	46	7.577	0.000	0.000	0.063	0.063	41	12.48	0.000	0.000	0.047	0.047	51
14	7.970	0.000	0.000	0.052	0.052	36	7.563	0.000	0.000	0.071	0.071	46	14.20	0.000	0.000	0.053	0.053	65
15	7.529	0.000	0.000	0.054	0.054	35	7.701	0.000	0.000	0.063	0.063	42	13.47	0.000	0.000	0.093	0.093	108
16	8.129	0.000	0.000	0.052	0.052	37	7.908	0.000	0.000	0.043	0.043	29	13.35	0.000	0.000	0.092	0.092	107
17	10.90	0.000	0.000	0.053	0.053	50	9.570	0.000	0.000	0.065	0.065	54	14.19	0.000	0.000	0.055	0.055	67
18	11.36	0.000	0.000	0.026	0.026	26	8.118	0.000	0.000	0.066	0.066	47	12.97	0.000	0.000	0.026	0.026	29
19	12.25	0.000	0.000	0.035	0.035	37	6.907	0.000	0.000	0.089	0.089	53	13.47	0.000	0.000	0.093	0.093	108
20	8.162	0.000	0.000	0.038	0.038	27	5.305	0.000	0.000	0.074	0.074	34	11.93	0.000	0.000	0.031	0.031	32
21	10.42	0.000	0.000	0.048	0.048	43	6.953	0.000	0.000	0.074	0.074	45	12.00	0.000	0.000	0.044	0.044	46
22	8.392	0.000	0.000	0.032	0.032	23	6.477	0.000	0.000	0.074	0.074	41	10.90	0.000	0.000	0.033	0.033	31
23	7.555	0.000	0.000	0.042	0.042	27	9.740	0.000	0.000	0.031	0.031	26	14.34	0.000	0.000	0.054	0.054	67
24	8.129	0.000	0.000	0.000	0.000	0	7.497	0.000	0.000	0.036	0.036	23	11.73	0.000	0.000	0.038	0.038	39
25	12.32	0.000	0.000	0.033	0.033	35	6.308	0.000	0.000	0.062	0.062	34	10.25	0.000	0.000	0.038	0.038	34
26	9.619	0.000	0.000	0.026	0.026	22	5.903	0.000	0.000	0.034	0.034	17	18.07	0.000	0.000	0.042	0.042	66
27	8.164	0.000	0.000	0.023	0.023	16	6.007	0.000	0.000	0.046	0.046	24	14.48	0.000	0.000	0.046	0.046	57
28	8.386	0.000	0.000	0.022	0.022	16	5.117	0.000	0.000	0.055	0.055	24	14.68	0.000	0.000	0.058	0.058	73
29	7.708	0.000	0.000	0.034	0.034	23	4.645	0.000	0.000	0.043	0.043	17	11.67	0.000	0.000	0.034	0.034	35
30	9.663	0.000	0.000	0.030	0.030	25	6.395	0.000	0.000	0.040	0.040	22	25.65	0.000	0.000	0.051	0.051	112
31							5.167	0.000	0.000	0.043	0.043	19	24.28	0.000	0.000	0.049	0.049	102
Ten Daily Mean																		
Ten Daily I	12.90	0.000	0.000	0.040	0.040	40	7.484	0.000	0.000	0.052	0.052	33	10.36	0.000	0.000	0.033	0.033	29
Ten Daily II	9.568	0.000	0.000	0.047	0.047	39	7.516	0.000	0.000	0.065	0.065	42	13.25	0.000	0.000	0.056	0.056	65
Ten Daily III	9.035	0.000	0.000	0.029	0.029	23	6.383	0.000	0.000	0.049	0.049	27	15.28	0.000	0.000	0.044	0.044	60
Monthly																		
Total						1018						1045						1602

Annual Sediment Load (Metric Tonnes) : 11850

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : T. BEKUPPE (T. BEKUPPE)

Local River : Arkavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	32.73	0.000	0.000	0.046	0.046	131	14.34	0.000	0.000	0.070	0.070	87	10.16	0.000	0.000	0.029	0.029	26
2	25.31	0.000	0.000	0.042	0.042	92	21.89	0.000	0.000	0.039	0.039	74	5.454	0.000	0.000	0.038	0.038	18
3	14.63	0.000	0.000	0.039	0.039	49	13.56	0.000	0.000	0.034	0.034	40	8.157	0.000	0.000	0.012	0.012	8
4	13.57	0.000	0.000	0.048	0.048	57	17.46	0.000	0.000	0.065	0.065	98	10.41	0.000	0.000	0.029	0.029	26
5	11.22	0.000	0.000	0.018	0.018	18	18.95	0.000	0.000	0.057	0.057	93	24.03	0.000	0.000	0.050	0.050	103
6	14.34	0.000	0.000	0.058	0.058	72	21.81	0.000	0.000	0.039	0.039	74	13.35	0.000	0.000	0.028	0.028	33
7	9.174	0.000	0.000	0.045	0.045	36	19.94	0.000	0.000	0.061	0.061	104	11.27	0.000	0.000	0.026	0.026	25
8	10.20	0.000	0.000	0.040	0.040	36	18.25	0.000	0.000	0.061	0.061	96	7.701	0.000	0.000	0.012	0.012	8
9	12.42	0.000	0.000	0.043	0.043	46	20.10	0.000	0.000	0.068	0.068	118	5.478	0.000	0.000	0.016	0.016	8
10	11.68	0.000	0.000	0.044	0.044	45	18.18	0.000	0.000	0.086	0.086	136	5.550	0.000	0.000	0.023	0.023	11
11	11.40	0.000	0.000	0.033	0.033	32	18.51	0.000	0.000	0.031	0.031	50	5.347	0.000	0.000	0.023	0.023	11
12	7.593	0.000	0.000	0.021	0.021	14	14.33	0.000	0.000	0.090	0.090	112	8.290	0.000	0.000	0.023	0.023	16
13	7.283	0.000	0.000	0.041	0.041	25	10.39	0.000	0.000	0.051	0.051	46	5.358	0.000	0.000	0.012	0.012	6
14	10.30	0.000	0.000	0.030	0.030	27	12.94	0.000	0.000	0.013	0.013	15	6.780	0.000	0.000	0.016	0.016	9
15	8.962	0.000	0.000	0.025	0.025	20	13.70	0.000	0.000	0.013	0.013	16	5.285	0.000	0.000	0.017	0.017	8
16	12.42	0.000	0.000	0.043	0.043	46	23.87	0.000	0.000	0.014	0.014	28	5.293	0.000	0.000	0.016	0.016	7
17	24.00	0.000	0.000	0.033	0.033	68	24.10	0.000	0.000	0.019	0.019	39	8.338	0.000	0.000	0.085	0.085	61
18	20.56	0.000	0.000	0.022	0.022	38	35.19	0.000	0.000	0.042	0.042	126	7.701	0.000	0.000	0.028	0.028	18
19	14.33	0.000	0.000	0.035	0.035	44	35.19	0.000	0.000	0.042	0.042	126	8.448	0.000	0.000	0.051	0.051	37
20	13.78	0.000	0.000	0.031	0.031	37	32.79	0.000	0.000	0.041	0.041	116	5.338	0.000	0.000	0.016	0.016	8
21	12.94	0.000	0.000	0.043	0.043	48	24.61	0.000	0.000	0.019	0.019	40	4.310	0.000	0.000	0.028	0.028	10
22	14.45	0.000	0.000	0.025	0.025	31	18.53	0.000	0.000	0.039	0.039	62	5.353	0.000	0.000	0.016	0.016	7
23	12.42	0.000	0.000	0.043	0.043	46	14.34	0.000	0.000	0.011	0.011	14	7.701	0.000	0.000	0.028	0.028	18
24	8.963	0.000	0.000	0.030	0.030	24	13.76	0.000	0.000	0.013	0.013	16	7.337	0.000	0.000	0.028	0.028	18
25	72.82	0.000	0.000	0.030	0.030	186	10.38	0.000	0.000	0.038	0.038	34	10.41	0.000	0.000	0.024	0.024	22
26	58.95	0.000	0.000	0.049	0.049	250	10.39	0.000	0.000	0.039	0.039	35	18.59	0.000	0.000	0.102	0.102	163
27	85.22	0.000	0.000	0.084	0.084	617	7.082	0.000	0.000	0.036	0.036	22	10.20	0.000	0.000	0.023	0.023	21
28	84.64	0.000	0.000	0.080	0.080	587	9.012	0.000	0.000	0.031	0.031	24	19.34	0.000	0.000	0.052	0.052	87
29	58.23	0.000	0.000	0.058	0.058	291	5.496	0.000	0.000	0.025	0.025	12	8.368	0.000	0.000	0.035	0.035	25
30	24.61	0.000	0.000	0.033	0.033	70	8.289	0.000	0.000	0.030	0.030	21	5.981	0.000	0.000	0.028	0.028	14
31							7.188	0.000	0.000	0.029	0.029	18						
Ten Daily Mean																		
Ten Daily I	15.53	0.000	0.000	0.042	0.042	58	18.45	0.000	0.000	0.058	0.058	92	10.16	0.000	0.000	0.026	0.026	27
Ten Daily II	13.06	0.000	0.000	0.031	0.031	35	22.10	0.000	0.000	0.035	0.035	67	6.618	0.000	0.000	0.029	0.029	18
Ten Daily III	43.32	0.000	0.000	0.047	0.047	215	11.73	0.000	0.000	0.028	0.028	27	9.758	0.000	0.000	0.036	0.036	39
Monthly																		
Total						3079						1890						833

Annual Sediment Load (Metric Tonnes) : 11850

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : T. BEKUPPE (T. BEKUPPE)

Local River : Arkavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	5.439	0.000	0.000	0.034	0.034	16							4.519	0.000	0.000	0.033	0.033	13
2	4.826	0.000	0.000	0.010	0.010	4							3.563	0.000	0.000	0.039	0.039	12
3	5.315	0.000	0.000	0.018	0.018	8	5.094	0.000	0.000	0.043	0.043	19	4.313	0.000	0.000	0.036	0.036	13
4	4.684	0.000	0.000	0.010	0.010	4	4.566	0.000	0.000	0.042	0.042	17	4.048	0.000	0.000	0.036	0.036	13
5	4.540	0.000	0.000	0.012	0.012	5	4.566	0.000	0.000	0.042	0.042	17	3.090	0.000	0.000	0.066	0.066	18
6	6.088	0.000	0.000	0.022	0.022	11	4.826	0.000	0.000	0.047	0.047	20	3.357	0.000	0.000	0.060	0.060	18
7	5.633	0.000	0.000	0.024	0.024	12	6.235	0.000	0.000	0.051	0.051	28	4.009	0.000	0.000	0.017	0.017	6
8	6.203	0.000	0.000	0.017	0.017	9	5.651	0.000	0.000	0.050	0.050	25	3.780	0.000	0.000	0.020	0.020	7
9	6.235	0.000	0.000	0.017	0.017	9	5.369	0.000	0.000	0.050	0.050	23	3.688	0.000	0.000	0.019	0.019	6
10	6.081	0.000	0.000	0.011	0.011	6	4.790	0.000	0.000	0.042	0.042	17	5.369	0.000	0.000	0.032	0.032	15
11	5.560	0.000	0.000	0.018	0.018	9	4.710	0.000	0.000	0.060	0.060	24	4.158	0.000	0.000	0.056	0.056	20
12	6.274	0.000	0.000	0.016	0.016	9	4.581	0.000	0.000	0.073	0.073	29	5.226	0.000	0.000	0.031	0.031	14
13	6.182	0.000	0.000	0.004	0.004	2	4.313	0.000	0.000	0.055	0.055	20	4.037	0.000	0.000	0.025	0.025	9
14	5.697	0.000	0.000	0.004	0.004	2	4.120	0.000	0.000	0.014	0.014	5	4.871	0.000	0.000	0.019	0.019	8
15	5.621	0.000	0.000	0.008	0.008	4	4.313	0.000	0.000	0.055	0.055	20	4.115	0.000	0.000	0.069	0.069	24
16	5.094	0.000	0.000	0.003	0.003	1	4.039	0.000	0.000	0.009	0.009	3	4.372	0.000	0.000	0.009	0.009	3
17	6.261	0.000	0.000	0.007	0.007	4	3.163	0.000	0.000	0.009	0.009	2	4.313	0.000	0.000	0.009	0.009	3
18	6.293	0.000	0.000	0.005	0.005	3	3.583	0.000	0.000	0.025	0.025	8	4.193	0.000	0.000	0.080	0.080	29
19	6.340	0.000	0.000	0.006	0.006	4	3.618	0.000	0.000	0.042	0.042	13	2.551	0.000	0.000	0.045	0.045	10
20	4.759	0.000	0.000	0.007	0.007	3	3.599	0.000	0.000	0.042	0.042	13	1.846	0.000	0.000	0.026	0.026	4
21	5.722	0.000	0.000	0.001	0.001	0	4.119	0.000	0.000	0.033	0.033	12	2.569	0.000	0.000	0.022	0.022	5
22	5.640	0.000	0.000	0.043	0.043	21	3.168	0.000	0.000	0.031	0.031	8	2.597	0.000	0.000	0.017	0.017	4
23	5.094	0.000	0.000	0.003	0.003	1	3.120	0.000	0.000	0.031	0.031	8	2.002	0.000	0.000	0.018	0.018	3
24	4.643	0.000	0.000	0.059	0.059	24	3.791	0.000	0.000	0.053	0.053	17	1.688	0.000	0.000	0.026	0.026	4
25	5.094	0.000	0.000	0.003	0.003	1	3.043	0.000	0.000	0.056	0.056	15	2.159	0.000	0.000	0.015	0.015	3
26	4.734	0.000	0.000	0.060	0.060	25	3.599	0.000	0.000	0.042	0.042	13	2.331	0.000	0.000	0.025	0.025	5
27	5.693	0.000	0.000	0.017	0.017	8	3.376	0.000	0.000	0.043	0.043	12	2.249	0.000	0.000	0.025	0.025	5
28	5.657	0.000	0.000	0.006	0.006	3	5.036	0.000	0.000	0.049	0.049	21	2.475	0.000	0.000	0.017	0.017	4
29	5.645	0.000	0.000	0.004	0.004	2	5.036	0.000	0.000	0.061	0.061	27						
30	6.235	0.000	0.000	0.004	0.004	2	5.034	0.000	0.000	0.063	0.063	27						
31	6.364	0.000	0.000	0.036	0.036	20	4.633	0.000	0.000	0.068	0.068	27						
Ten Daily Mean																		
Ten Daily I	5.504	0.000	0.000	0.017	0.017	8	5.137	0.000	0.000	0.046	0.046	21	3.974	0.000	0.000	0.036	0.036	12
Ten Daily II	5.808	0.000	0.000	0.008	0.008	4	4.004	0.000	0.000	0.038	0.038	14	3.968	0.000	0.000	0.037	0.037	12
Ten Daily III	5.502	0.000	0.000	0.021	0.021	10	3.996	0.000	0.000	0.048	0.048	17	2.259	0.000	0.000	0.021	0.021	4
Monthly																		
Total						230						491						276

Annual Sediment Load (Metric Tonnes) : 11850

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : T. BEKUPPE (T. BEKUPPE)

Local River : Arkavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	2.511	0.000	0.000	0.008	0.008	2	0.812	0.000	0.000	0.022	0.022	2	3.152	0.000	0.000	0.020	0.020	5
2	2.305	0.000	0.000	0.017	0.017	3	1.595	0.000	0.000	0.032	0.032	4	11.41	0.000	0.000	0.020	0.020	20
3	1.688	0.000	0.000	0.004	0.004	1	1.585	0.000	0.000	0.025	0.025	3	8.627	0.000	0.000	0.005	0.005	4
4	2.417	0.000	0.000	0.018	0.018	4	1.503	0.000	0.000	0.032	0.032	4	5.648	0.000	0.000	0.018	0.018	9
5	2.489	0.000	0.000	0.025	0.025	5	0.850	0.000	0.000	0.028	0.028	2	5.938	0.000	0.000	0.018	0.018	9
6	2.571	0.000	0.000	0.016	0.016	3	1.065	0.000	0.000	0.022	0.022	2	5.218	0.000	0.000	0.027	0.027	12
7	1.937	0.000	0.000	0.005	0.005	1	1.392	0.000	0.000	0.018	0.018	2	2.470	0.000	0.000	0.010	0.010	2
8	2.178	0.000	0.000	0.020	0.020	4	1.669	0.000	0.000	0.008	0.008	1	63.74	0.000	0.000	0.009	0.009	49
9	2.106	0.000	0.000	0.025	0.025	4	1.439	0.000	0.000	0.018	0.018	2	11.75	0.000	0.000	0.008	0.008	8
10	2.012	0.000	0.000	0.024	0.024	4	3.949	0.000	0.000	0.023	0.023	8	8.543	0.000	0.000	0.006	0.006	4
11	2.130	0.000	0.000	0.020	0.020	4	2.847	0.000	0.000	0.015	0.015	4	7.358	0.000	0.000	0.015	0.015	9
12	2.273	0.000	0.000	0.056	0.056	11	2.856	0.000	0.000	0.019	0.019	5	4.313	0.000	0.000	0.027	0.027	10
13	1.813	0.000	0.000	0.035	0.035	6	2.726	0.000	0.000	0.021	0.021	5	6.539	0.000	0.000	0.015	0.015	8
14	1.551	0.000	0.000	0.038	0.038	5	2.950	0.000	0.000	0.021	0.021	5	7.388	0.000	0.000	0.037	0.037	24
15	1.594	0.000	0.000	0.033	0.033	5	2.291	0.000	0.000	0.072	0.072	14	5.890	0.000	0.000	0.028	0.028	14
16	1.802	0.000	0.000	0.044	0.044	7	1.660	0.000	0.000	0.026	0.026	4	7.046	0.000	0.000	0.023	0.023	14
17	1.688	0.000	0.000	0.004	0.004	1	1.537	0.000	0.000	0.018	0.018	2	12.31	0.000	0.000	0.048	0.048	51
18	1.459	0.000	0.000	0.015	0.015	2	1.537	0.000	0.000	0.018	0.018	2	7.495	0.000	0.000	0.037	0.037	24
19	0.962	0.000	0.000	0.013	0.013	1	3.599	0.000	0.000	0.024	0.024	7	9.232	0.000	0.000	0.006	0.006	5
20	0.957	0.000	0.000	0.007	0.007	1	8.541	0.000	0.000	0.032	0.032	24	7.276	0.000	0.000	0.011	0.011	7
21	1.102	0.000	0.000	0.030	0.030	3	8.514	0.000	0.000	0.032	0.032	23	6.250	0.000	0.000	0.009	0.009	5
22	1.492	0.000	0.000	0.021	0.021	3	5.724	0.000	0.000	0.024	0.024	12	4.320	0.000	0.000	0.028	0.028	10
23	1.439	0.000	0.000	0.022	0.022	3	18.95	0.000	0.000	0.025	0.025	40	3.171	0.000	0.000	0.045	0.045	12
24	1.392	0.000	0.000	0.022	0.022	3	7.303	0.000	0.000	0.026	0.026	16	6.503	0.000	0.000	0.036	0.036	20
25	0.785	0.000	0.000	0.022	0.022	1	5.651	0.000	0.000	0.023	0.023	11	6.074	0.000	0.000	0.632	0.632	332
26	1.741	0.000	0.000	0.020	0.020	3	5.202	0.000	0.000	0.025	0.025	11	9.232	0.000	0.000	0.006	0.006	5
27	1.518	0.000	0.000	0.027	0.027	4	5.225	0.000	0.000	0.021	0.021	10	20.24	0.000	0.000	0.072	0.072	126
28	1.082	0.000	0.000	0.016	0.016	1	5.938	0.000	0.000	0.023	0.023	12	21.25	0.000	0.000	0.073	0.073	134
29	0.911	0.000	0.000	0.012	0.012	1	4.922	0.000	0.000	0.020	0.020	8	12.07	0.000	0.000	0.042	0.042	43
30	1.005	0.000	0.000	0.014	0.014	1	4.310	0.000	0.000	0.020	0.020	7	6.565	0.000	0.000	0.051	0.051	29
31	0.887	0.000	0.000	0.022	0.022	2							7.045	0.000	0.000	0.051	0.051	31
Ten Daily Mean																		
Ten Daily I	2.221	0.000	0.000	0.016	0.016	3	1.586	0.000	0.000	0.023	0.023	3	12.65	0.000	0.000	0.014	0.014	12
Ten Daily II	1.623	0.000	0.000	0.026	0.026	4	3.054	0.000	0.000	0.027	0.027	7	7.484	0.000	0.000	0.025	0.025	17
Ten Daily III	1.214	0.000	0.000	0.021	0.021	2	7.174	0.000	0.000	0.024	0.024	15	9.338	0.000	0.000	0.095	0.095	68
Monthly																		
Total						96						254						1036

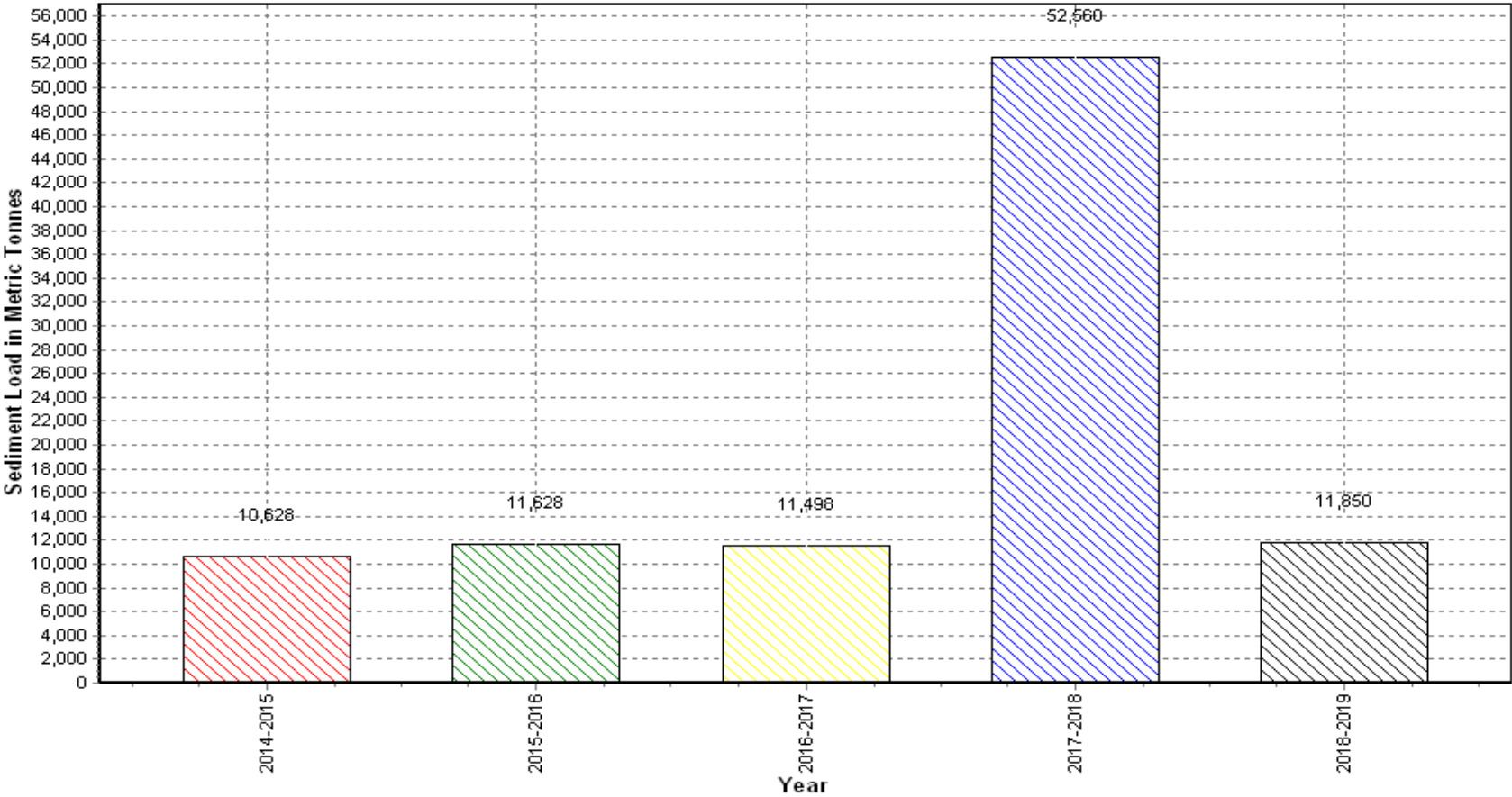
Annual Sediment Load (Metric Tonnes) : 11850

Annual Sediment Load for the period: 2014-2019

Station Name : T. BEKUPPE (T. BEKUPPE)
Local River : Arkavathi

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

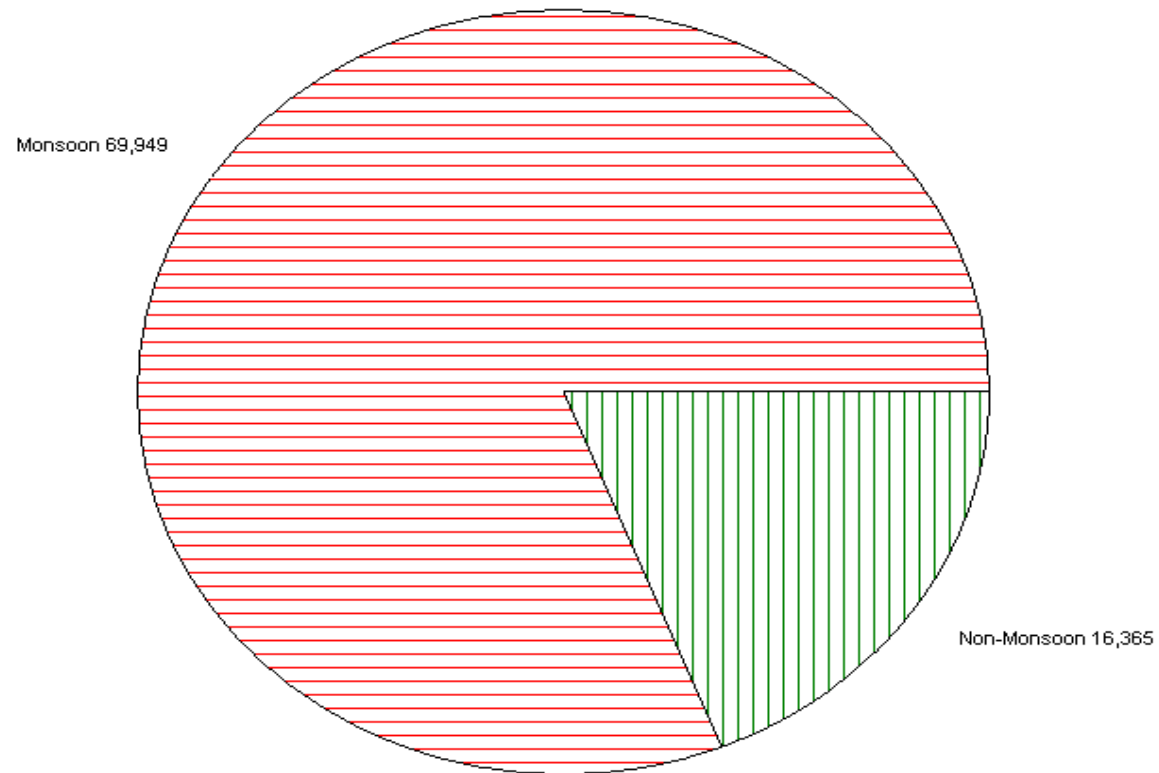
634



Station Name : T. BEKUPPE (T. BEKUPPE)
Local River : Arkavathi

Seasonal Sediment Load for the period : 2014-2018

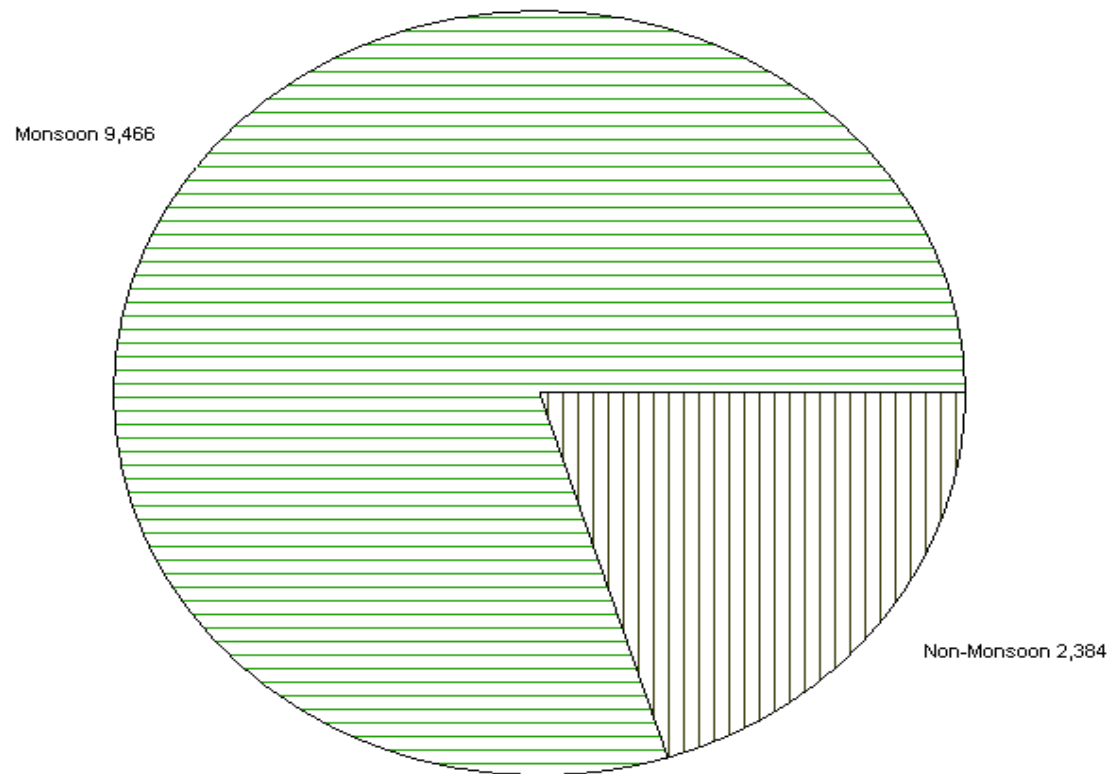
Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Station Name : T. BEKUPPE (T. BEKUPPE)
Local River : Arkavathi

Seasonal Sediment Load for the Year: 2018-2019

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



BED MATERIAL ANALYSIS DATA

RIVER : Arkavathi
SITE : T.BEKUPPE

CODE NO. : T.Bekuppe
CROSS SECTION : SGL

SL. NO.	DATA FOR SAMPLE COLLECTED										GENERAL DATA OF THE RIVER						
	R.D.NO.	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L. (GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/Sec)	DISCHARGE (m³/Sec)	Bed Material Composition		WETTED PERIMETER (m)	HYDRULIC MEAN DEPTH (m)	MEAN VELOCITY (m/Sec)	SURFACE WATER SLOPE (S)	DISCHARGE (m³/Sec)	Bed Material Composition	
									MAX SIZE (mm)	MEAN SIZE (mm)						MAX SIZE (mm)	MEAN SIZE (mm)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
MONSOON 2018 DATE OF COLLECTION																	
1																	
2																	
3																	
4																	
POSTMONSOON 2019 DATE OF COLLECTION 14-02-2019																	
1	80	-	603.255	604.580	1.325	20			0.60	5.74							
2	100	-	604.440	604.580	0.140	20		Discharge observed at Temp. Section.	0.60	4.44							
3	120	-	604.480	604.580	0.100	20			0.60	5.4	61.078	1.0993	0.0726	0.00016	4.872	-	4.735
4	140	-	603.240	604.580	1.340	20			0.60	7.36							
PREMONSOON 2019 DATE OF COLLECTION 23.05.2019																	
1	80	-	603.240	604.510	0.270	20			0.60	7.20							
2	100	-	604.400	604.510	0.110	20		Discharge observed at Temp. Section.	0.60	5.82							
3	120	-	604.560	604.510	-	20			18.00	3.73	71.077	0.9222	0.0484	0.00016	3.172	4.95	5.38
4	140	-	603.200	604.510	1.31	20			0.60	4.77							

Annual Sediment Load for period : 1985-2019

Station Name : T.K.Halli (CCM00B9)

Division : Cauvery Division, Bangalore

Local River : Shimsa

Sub-Division : Upper Cauvery SD, Bangalore

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1985-1986	41693	2393	44086	436
1986-1987	95207	5278	100485	548
1987-1988	119257	4986	124243	581
1988-1989	340067	2240	342306	1239
1989-1990	47846	1504	49351	551
1990-1991	5951	2434	8385	271
1991-1992	104368	2805	107173	759
1992-1993	27227	2876	30103	652
1993-1994	23544	5027	28571	661
1994-1995	15455	2798	18253	499
1995-1996	15631	2436	18067	483
1996-1997	5952	835	6787	1096
1997-1998	2858	643	3502	729
1998-1999	2991	495	3487	1022
1999-2000	8060	1447	9506	927
2000-2001	77761	3602	81363	1412
2001-2002	20600	2990	23591	707
2002-2003	3953	961	4914	228
2003-2004	3404	675	4079	255
2004-2005	7388	979	8367	579
2005-2006	14623	4199	18823	1334
2006-2007	Sediment Observation not done			465
2007-2008	Sediment Observation not done			666
2008-2009	9063 *	1698	10761*	738
2009-2010	27213	3900	31113	1104
2010-2011	21679	3375	25053	1029
2011-2012	15686	2525	18211	644
2012-2013	2973	878	3851	214
2013-2014	8129	920	9050	340
2014-2015	6168	1066	7234	350
2015-2016	8306	116	8422	414
2016-2017	232	0	232	8
2017-2018	2939	12	2951	183
2018-2019	53755	258	54012	300

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : T.K.Halli (CCM00B9)

Local River : Shimsa

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	3.200	0.000	0.000	0.131	0.131	36
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	6.000	0.000	0.000	0.204	0.204	106
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	3.330	0.000	0.000	0.277	0.277	80
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	2.874	0.000	0.000	0.493	0.493	122
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	5.710	0.000	0.000	0.310	0.310	153
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	14.30	0.000	0.000	0.226	0.226	279
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	9.380	0.000	0.000	0.247	0.247	200
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	8.660	0.000	0.000	0.329	0.329	246
18	0.000	0.000	0.000	0.000	0.000	0	4.540	0.000	0.000	0.013	0.013	5	6.310	0.000	0.000	0.219	0.219	119
19	0.000	0.000	0.000	0.000	0.000	0	2.218	0.000	0.000	0.001	0.001	0	6.272	0.000	0.000	0.219	0.219	119
20	0.000	0.000	0.000	0.000	0.000	0	2.515	0.000	0.000	0.001	0.001	0	14.70	0.000	0.000	0.226	0.226	287
21	0.000	0.000	0.000	0.000	0.000	0	3.268	0.000	0.000	0.002	0.002	0	12.49	0.000	0.000	0.216	0.216	233
22	0.000	0.000	0.000	0.000	0.000	0	2.593	0.000	0.000	0.002	0.002	0	8.951	0.000	0.000	0.329	0.329	255
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	6.160	0.000	0.000	0.208	0.208	111
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	5.080	0.000	0.000	0.101	0.101	44
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	4.210	0.000	0.000	0.211	0.211	77
26	0.000	0.000	0.000	0.000	0.000	0	3.680	0.000	0.000	0.136	0.136	43	5.141	0.000	0.000	0.101	0.101	45
27	0.000	0.000	0.000	0.000	0.000	0	3.640	0.000	0.000	0.070	0.070	22	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	2.218	0.000	0.000	0.117	0.117	22	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	3.380	0.000	0.000	0.178	0.178	52	4.585	0.000	0.000	0.105	0.105	42
31							3.450	0.000	0.000	0.137	0.137	41	3.000	0.000	0.000	0.113	0.113	29
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	1.540	0.000	0.000	0.111	0.111	34
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.927	0.000	0.000	0.002	0.002	1	6.533	0.000	0.000	0.178	0.178	140
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	2.021	0.000	0.000	0.058	0.058	16	4.511	0.000	0.000	0.126	0.126	76
Monthly																		
Total						0						187						2583

Annual Sediment Load (Metric Tonnes) : 54012

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : T.K.Halli (CCM00B9)

Local River : Shimsa

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	12.32	0.000	0.000	0.000	0.000	0	111.6	0.000	0.000	0.069	0.069	665	8.076	0.000	0.000	0.197	0.197	137
2	9.453	0.000	0.000	0.038	0.038	31	79.51	0.000	0.000	0.060	0.060	413	8.231	0.000	0.000	0.162	0.162	115
3	4.610	0.000	0.000	0.072	0.072	29	24.46	0.000	0.000	0.051	0.051	108	5.569	0.000	0.000	0.190	0.190	92
4	4.231	0.000	0.000	0.048	0.048	17	26.07	0.000	0.000	0.066	0.066	148	11.34	0.000	0.000	0.116	0.116	113
5	4.600	0.000	0.000	0.069	0.069	28	11.62	0.000	0.000	0.166	0.166	166	12.93	0.000	0.000	0.130	0.130	145
6	4.620	0.000	0.000	0.111	0.111	44	21.06	0.000	0.000	0.062	0.062	113	11.85	0.000	0.000	0.116	0.116	119
7	4.120	0.000	0.000	0.093	0.093	33	17.94	0.000	0.000	0.052	0.052	81	12.05	0.000	0.000	0.105	0.105	109
8	3.160	0.000	0.000	0.073	0.073	20	24.86	0.000	0.000	0.036	0.036	77	11.34	0.000	0.000	0.116	0.116	113
9	3.004	0.000	0.000	0.080	0.080	21	23.07	0.000	0.000	0.036	0.036	71	7.252	0.000	0.000	0.201	0.201	126
10	3.051	0.000	0.000	0.080	0.080	21	26.75	0.000	0.000	0.253	0.253	584	5.676	0.000	0.000	0.148	0.148	72
11	1.877	0.000	0.000	0.022	0.022	4	27.17	0.000	0.000	0.192	0.192	451	8.289	0.000	0.000	0.201	0.201	144
12	3.503	0.000	0.000	0.032	0.032	10	24.12	0.000	0.000	0.047	0.047	98	11.78	0.000	0.000	0.160	0.160	163
13	8.951	0.000	0.000	0.038	0.038	29	9.854	0.000	0.000	0.113	0.113	97	3.614	0.000	0.000	0.124	0.124	39
14	8.993	0.000	0.000	0.038	0.038	29	7.378	0.000	0.000	0.011	0.011	7	10.87	0.000	0.000	0.178	0.178	167
15	6.960	0.000	0.000	0.047	0.047	28	22.87	0.000	0.000	0.179	0.179	353	5.329	0.000	0.000	0.158	0.158	73
16	6.406	0.000	0.000	0.047	0.047	26	55.50	0.000	0.000	0.082	0.082	393	10.34	0.000	0.000	0.171	0.171	153
17	57.50	0.000	0.000	0.163	0.163	809	232.1	0.000	0.000	0.630	0.630	12626	12.02	0.000	0.000	0.142	0.142	148
18	55.96	0.000	0.000	0.126	0.126	610	156.2	0.000	0.000	0.352	0.352	4750	11.08	0.000	0.000	0.156	0.156	149
19	31.90	0.000	0.000	0.086	0.086	236	76.16	0.000	0.000	0.352	0.352	2317	5.546	0.000	0.000	0.102	0.102	49
20	15.45	0.000	0.000	0.000	0.000	0	68.81	0.000	0.000	0.368	0.368	2189	12.04	0.000	0.000	0.129	0.129	134
21	32.20	0.000	0.000	0.086	0.086	238	87.64	0.000	0.000	0.345	0.345	2612	11.59	0.000	0.000	0.150	0.150	150
22	30.88	0.000	0.000	0.120	0.120	321	27.66	0.000	0.000	0.340	0.340	812	11.29	0.000	0.000	0.150	0.150	146
23	18.42	0.000	0.000	0.100	0.100	159	22.79	0.000	0.000	0.053	0.053	104	28.34	0.000	0.000	0.153	0.153	373
24	16.15	0.000	0.000	0.099	0.099	139	13.15	0.000	0.000	0.090	0.090	102	23.57	0.000	0.000	0.165	0.165	335
25	236.5	0.000	0.000	0.012	0.012	239	7.378	0.000	0.000	0.011	0.011	7	26.65	0.000	0.000	0.162	0.162	373
26	153.8	0.000	0.000	0.133	0.133	1764	4.617	0.000	0.000	0.268	0.268	107	18.59	0.000	0.000	0.150	0.150	241
27	248.1	0.000	0.000	0.185	0.185	3957	11.26	0.000	0.000	0.750	0.750	729	20.04	0.000	0.000	0.100	0.100	174
28	229.7	0.000	0.000	0.153	0.153	3034	10.83	0.000	0.000	0.700	0.700	655	16.24	0.000	0.000	0.090	0.090	126
29	129.8	0.000	0.000	0.184	0.184	2067	4.922	0.000	0.000	0.117	0.117	50	17.27	0.000	0.000	0.134	0.134	201
30	135.4	0.000	0.000	0.132	0.132	1538	3.409	0.000	0.000	0.134	0.134	39	17.83	0.000	0.000	0.018	0.018	28
31							7.804	0.000	0.000	0.109	0.109	73						
Ten Daily Mean																		
Ten Daily I	5.317	0.000	0.000	0.066	0.066	24	36.69	0.000	0.000	0.085	0.085	243	9.432	0.000	0.000	0.148	0.148	114
Ten Daily II	19.75	0.000	0.000	0.060	0.060	178	68.01	0.000	0.000	0.233	0.233	2328	9.090	0.000	0.000	0.152	0.152	122
Ten Daily III	123.1	0.000	0.000	0.120	0.120	1346	18.31	0.000	0.000	0.265	0.265	481	19.14	0.000	0.000	0.127	0.127	215
Monthly																		
Total						15480						30998						4506

Annual Sediment Load (Metric Tonnes) : 54012

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : T.K.Halli (CCM00B9)

Local River : Shimsa

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	13.98	0.000	0.000	0.019	0.019	23	3.187	0.000	0.000	0.003	0.003	1	0.000	0.000	0.000	0.000	0.000	0
2	13.11	0.000	0.000	0.019	0.019	21	2.698	0.000	0.000	0.002	0.002	0	0.000	0.000	0.000	0.000	0.000	0
3	12.14	0.000	0.000	0.018	0.018	19	2.252	0.000	0.000	0.002	0.002	0	0.000	0.000	0.000	0.000	0.000	0
4	11.21	0.000	0.000	0.012	0.012	11	2.225	0.000	0.000	0.019	0.019	4	0.000	0.000	0.000	0.000	0.000	0
5	3.467	0.000	0.000	0.012	0.012	4	1.948	0.000	0.000	0.012	0.012	2	0.000	0.000	0.000	0.000	0.000	0
6	13.69	0.000	0.000	0.017	0.017	20	1.775	0.000	0.000	0.012	0.012	2	0.000	0.000	0.000	0.000	0.000	0
7	14.57	0.000	0.000	0.020	0.020	25	1.957	0.000	0.000	0.014	0.014	2	0.000	0.000	0.000	0.000	0.000	0
8	14.65	0.000	0.000	0.024	0.024	31	1.939	0.000	0.000	0.019	0.019	3	0.000	0.000	0.000	0.000	0.000	0
9	12.25	0.000	0.000	0.017	0.017	17	1.936	0.000	0.000	0.018	0.018	3	0.000	0.000	0.000	0.000	0.000	0
10	8.681	0.000	0.000	0.011	0.011	8	1.958	0.000	0.000	0.020	0.020	3	0.000	0.000	0.000	0.000	0.000	0
11	8.632	0.000	0.000	0.018	0.018	13	1.942	0.000	0.000	0.021	0.021	3	0.000	0.000	0.000	0.000	0.000	0
12	9.629	0.000	0.000	0.010	0.010	9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	2.816	0.000	0.000	0.011	0.011	3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	3.198	0.000	0.000	0.086	0.086	24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	2.367	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	2.252	0.000	0.000	0.010	0.010	2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	2.130	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	2.100	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	2.067	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	2.111	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	2.228	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	2.325	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	1.775	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	1.767	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	1.775	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	2.120	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	2.120	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	1.752	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	2.098	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
30	2.605	0.000	0.000	0.010	0.010	2	0.000	0.000	0.000	0.000	0.000	0						
31	1.698	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0						
Ten Daily Mean																		
Ten Daily I	11.77	0.000	0.000	0.017	0.017	18	2.188	0.000	0.000	0.012	0.012	2	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	3.730	0.000	0.000	0.014	0.014	5	0.194	0.000	0.000	0.002	0.002	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	2.024	0.000	0.000	0.001	0.001	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						233						25						0

Annual Sediment Load (Metric Tonnes) : 54012

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : T.K.Halli (CCM00B9)

Local River : Shimsa

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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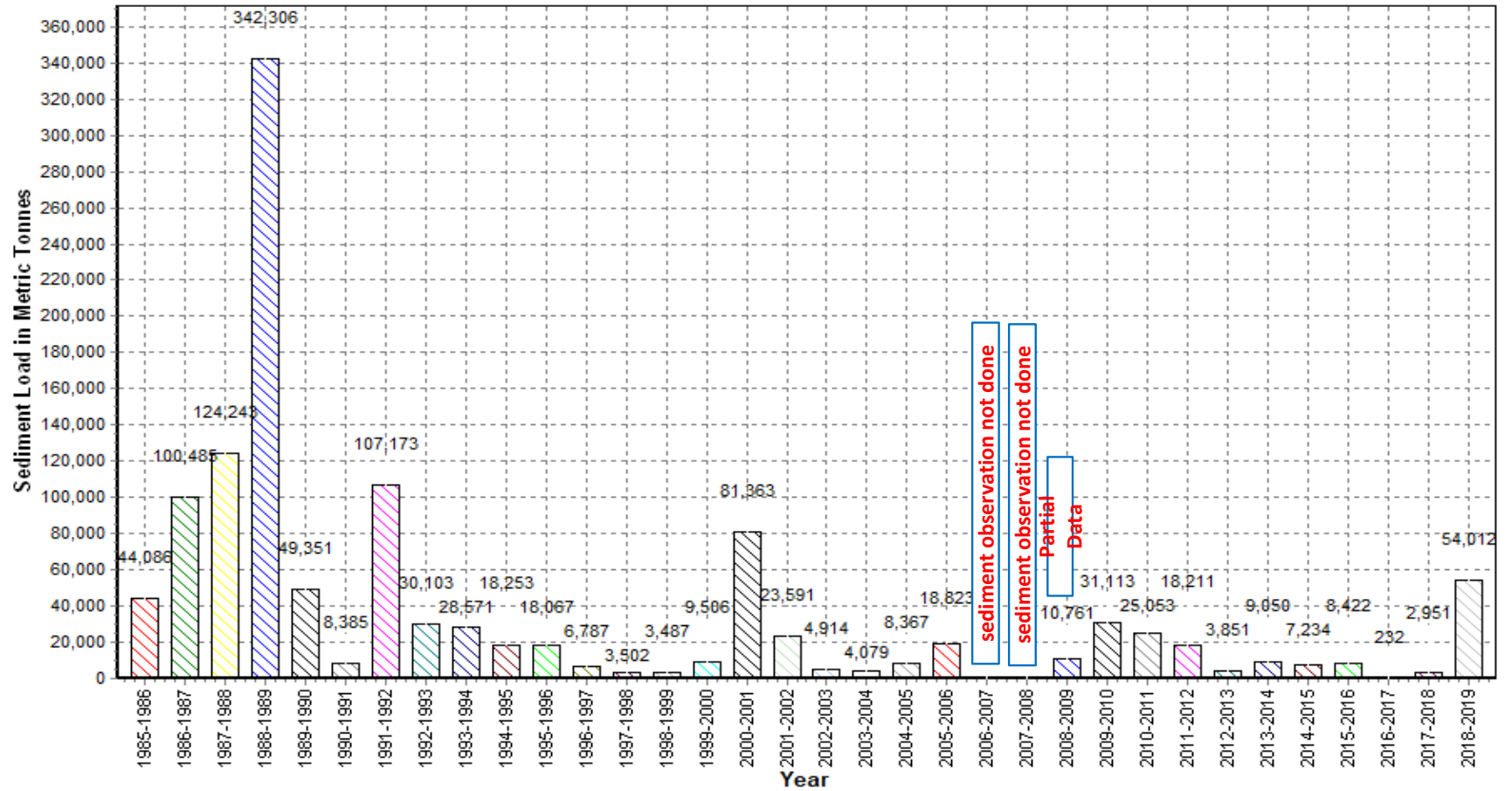
Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31	0.000	0.000	0.000	0.000	0.000	0							0.000	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						0						0						0

Annual Sediment Load (Metric Tonnes) : 54012

Annual Sediment Load for the period: 1985-2019

Station Name : T.K.Halli (CCM00B9)
Local River : Shimsa

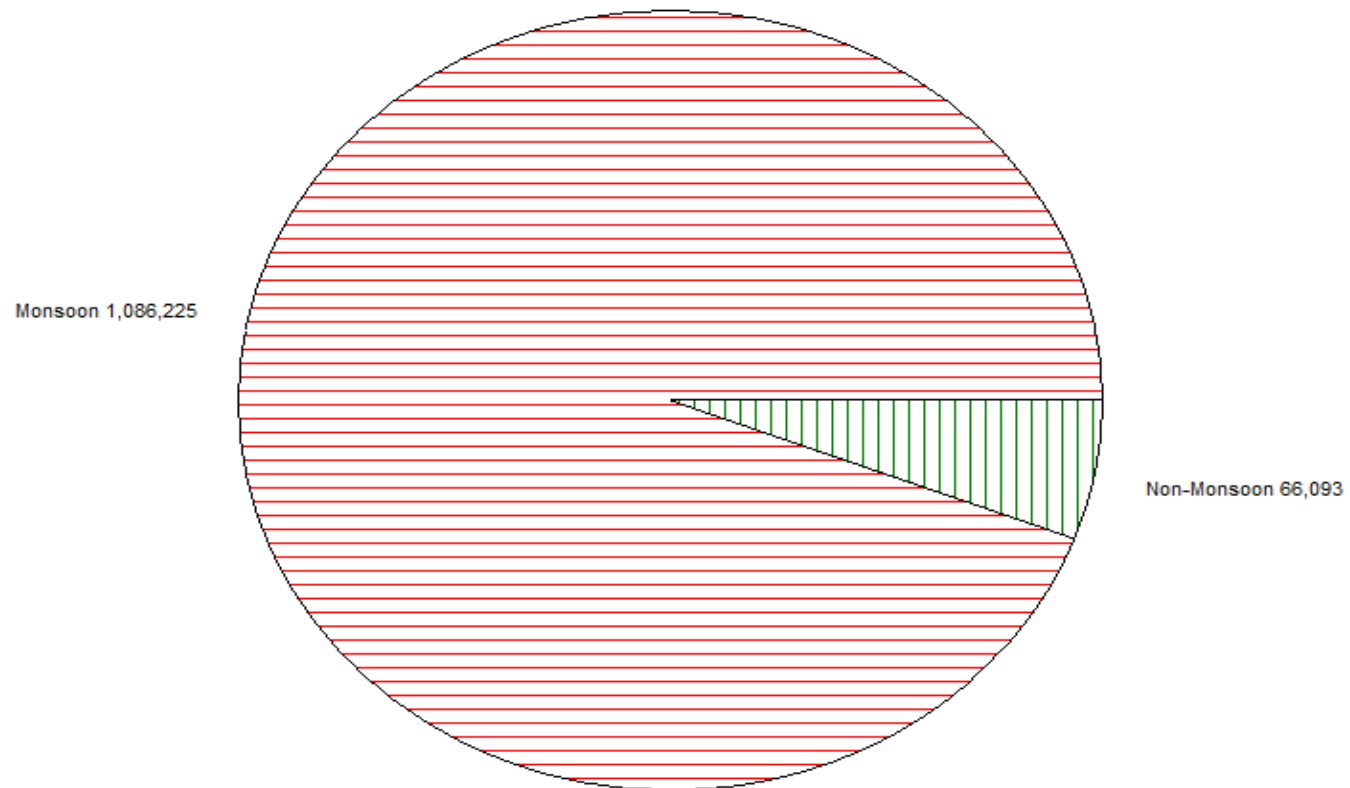
Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Station Name : T.K.Halli (CCM00B9)
Local River : Shimsa

Seasonal Sediment Load for the period : 1985-2018

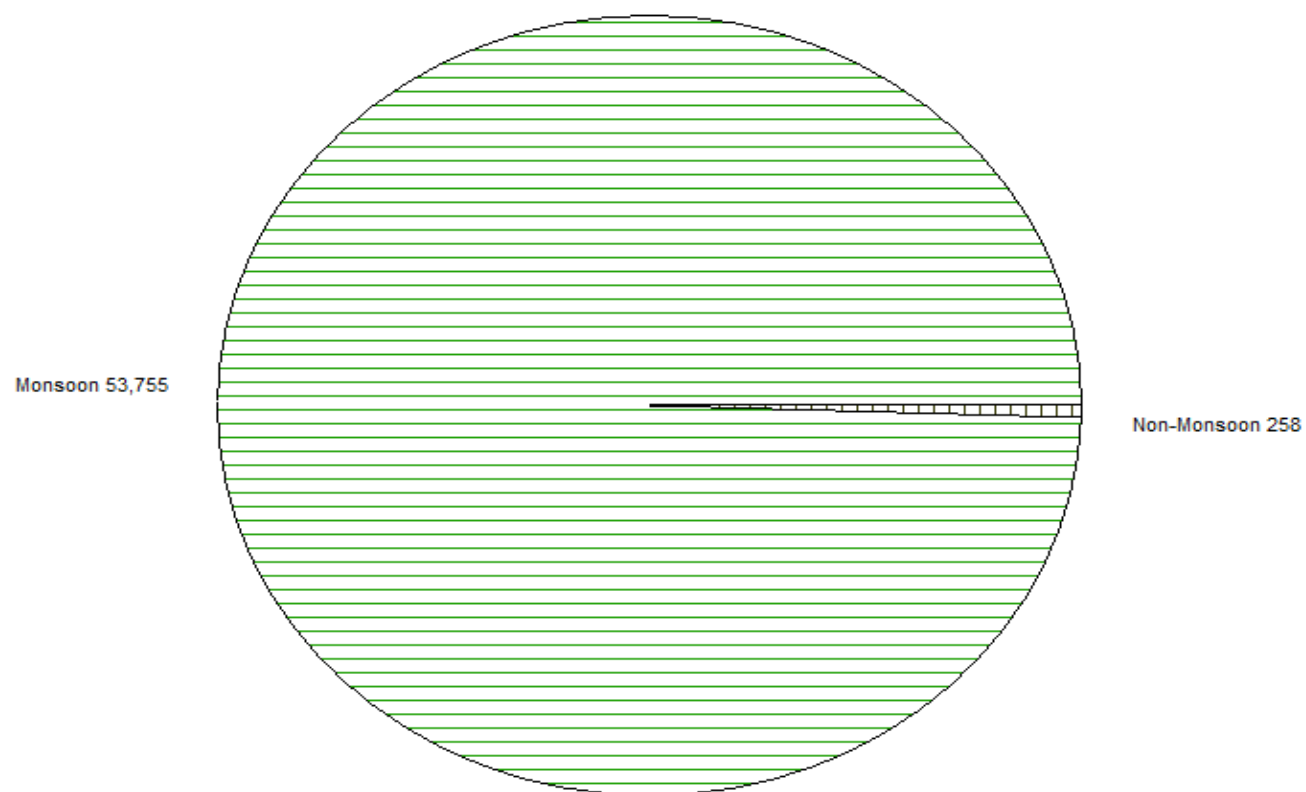
Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Station Name : T.K.Halli (CCM00B9)
Local River : Shimsa

Seasonal Sediment Load for the Year: 2018-2019

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



BED MATERIAL ANALYSIS DATA

RIVER : Shimsa
SITE : T.K.HALLI

CODE NO. : CCM00B9
CROSS SECTION : SGL

SL. NO.	DATA FOR SAMPLE COLLECTED										GENERAL DATA OF THE RIVER														
	R.D.NO.	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L. (GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/Sec)	DISCHARGE (m³/Sec)	Bed Material Composition		WETTED PERIMETER (m)	HYDRULIC MEAN DEPTH (m)	MEAN VELOCITY (m/Sec)	SURFACE WATER SLOPE (S)	DISCHARGE (m³/Sec)	Bed Material Composition									
									MAX SIZE (mm)	MEAN SIZE (mm)						MAX SIZE (mm)	MEAN SIZE (mm)								
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18								
MONSOON 2018																		DATE OF COLLECTION		00-00-0000					
1							Sample not collected																		
2																									
3																									
POSTMONSOON 2018																		DATE OF COLLECTION		04-02-2019					
1	35	-	580.405	580.240	0.240	30	--No Flow --		5	0.88															
2	60	-	578.605	582.040	2.014	30			5	1.53						5	0.803								
3	90	-	579.195	581.450	1.450	30			5	0.0			--No Flow --												
PREMONSOON 2019																		DATE OF COLLECTION		21-05-2019					
1	30	-	580.940	580.805	-	130	--No Flow--		3.50	0.77															
2	60	-	578.615	580.805	2.190	130	--No Flow --		8	1.78			-- No Flow --			5.5	1.43								
3	90	-	579.205	580.805	1.60	130	--No Flow --		5	1.75															

Annual Sediment Load for period : 1972-2019

Station Name : Kollegal (CC000R5)

Division : Cauvery Division, Bangalore

Local River : Cauvery

Sub-Division : Upper Cauvery SD, Bangalore

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1972-1973	746554	477901	1224454	7730
1973-1974	807087	7687	814774	9808
1974-1975	660919	5781	666701	7497
1975-1976	486294	8250	494544	11149
1976-1977	115184	43032	158216	3791
1977-1978	529031	24953	553984	7551
1978-1979	369070	31388	400458	9548
1979-1980	485128	26524	511651	8236
1980-1981	714492	31452	745944	11591
1981-1982	478090	25288	503378	9551
1982-1983	132736	13858	146594	4315
1983-1984	244824	17824	262648	5253
1984-1985	455948	15463	471411	8073
1985-1986	334445	17555	352000	3971
1986-1987	230975	20459	251434	4375
1987-1988	107879	15631	123511	2155
1988-1989	115420	11752	127172	3936
1989-1990	121016	11386	132401	4224
1990-1991	59711	13663	73374	4160
1991-1992	384857	14306	399163	7062
1992-1993	290989	11700	302690	9566
1993-1994	85148	14134	99282	4983
1994-1995	617715	19895	637609	10756
1995-1996	142927	18447	161374	4730
1996-1997	281519	16226	297745	5256
1997-1998	304656	22785	327442	7558
1998-1999	161424	12657	174081	5810
1999-2000	172295	8270	180565	6663
2000-2001	303880	37159	341039	7080
2001-2002	78435	6116	84550	4648
2002-2003	54939	8503	63442	3845
2003-2004	28647	5176	33824	3012
2004-2005	33521	7693	41214	4678
2005-2006	227602	15127	242728	8884
2006-2007	145404	10683	156087	8115
2007-2008	280194	16562	296755	9934
2008-2009	93011	10343	103355	6118
2009-2010	56897	7629	64525	5228
2010-2011	32488	6569	39057	4557
2011-2012	46065	3653	49718	5688
2012-2013	11805	2190	13995	2032
2013-2014	119087	1161	120248	6938
2014-2015	61522	2729	64252	5632
2015-2016	8101	757	8859	3182
2016-2017	5477	361	5837	1730
2017-2018	7072	978	8051	2470
2018-2019	71235	1011	72247	12575

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Kollegal (CC000R5)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

648

Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	29.43	0.000	0.000	0.003	0.003	7	441.0	0.000	0.000	0.006	0.006	236	459.1	0.000	0.000	0.006	0.006	238
2	35.30	0.000	0.000	0.001	0.001	4	325.0	0.000	0.000	0.006	0.006	168	458.5	0.000	0.000	0.006	0.006	238
3	45.51	0.000	0.000	0.002	0.002	7	258.0	0.000	0.000	0.006	0.006	138	664.9	0.000	0.000	0.005	0.005	299
4	90.73	0.000	0.000	0.001	0.001	11	246.2	0.000	0.000	0.006	0.006	132	447.1	0.000	0.000	0.006	0.006	224
5	88.02	0.000	0.000	0.002	0.002	11	234.3	0.000	0.000	0.006	0.006	128	349.3	0.000	0.000	0.005	0.006	172
6	69.03	0.000	0.000	0.002	0.002	10	104.5	0.000	0.000	0.004	0.004	36	424.7	0.000	0.000	0.005	0.006	209
7	72.31	0.000	0.000	0.002	0.002	10	70.00	0.000	0.000	0.005	0.005	31	346.6	0.000	0.000	0.005	0.006	168
8	55.01	0.000	0.000	0.002	0.002	9	148.2	0.000	0.000	0.005	0.005	58	250.2	0.000	0.000	0.005	0.006	121
9	52.40	0.000	0.000	0.002	0.002	9	953.9	0.000	0.000	0.006	0.006	503	362.7	0.000	0.000	0.005	0.005	163
10	38.06	0.000	0.000	0.003	0.003	8	1110	0.000	0.000	0.005	0.006	547	2785	0.000	0.000	0.005	0.005	1227
11	32.30	0.000	0.000	0.003	0.003	8	1173	0.000	0.000	0.006	0.006	608	3710	0.000	0.000	0.005	0.005	1635
12	29.28	0.000	0.000	0.004	0.004	10	1293	0.000	0.000	0.006	0.006	670	4203	0.000	0.000	0.005	0.005	1852
13	32.52	0.000	0.000	0.004	0.004	10	1537	0.000	0.000	0.006	0.006	810	3021	0.000	0.000	0.005	0.005	1331
14	29.65	0.000	0.000	0.004	0.004	10	1385	0.000	0.000	0.006	0.006	718	2851	0.000	0.000	0.005	0.005	1182
15	35.25	0.000	0.000	0.002	0.002	7	2124	0.000	0.000	0.004	0.005	826	5520	0.000	0.000	0.005	0.005	2337
16	559.2	0.000	0.000	0.009	0.009	411	3617	0.000	0.000	0.006	0.006	2000	6578	0.000	0.000	0.005	0.005	3069
17	1341	0.000	0.000	0.009	0.009	1089	3447	0.000	0.000	0.005	0.006	1727	6923	0.000	0.000	0.005	0.006	3350
18	363.4	0.000	0.000	0.010	0.010	327	3422	0.000	0.000	0.005	0.005	1478	7581	0.000	0.000	0.005	0.006	3733
19	171.4	0.000	0.000	0.002	0.002	28	1733	0.000	0.000	0.005	0.005	764	7609	0.000	0.000	0.006	0.006	3879
20	76.73	0.000	0.000	0.002	0.002	12	2483	0.000	0.000	0.005	0.005	1073	3903	0.000	0.000	0.000	0.001	263
21	70.82	0.000	0.000	0.002	0.002	10	2050	0.000	0.000	0.005	0.005	903	3269	0.000	0.000	0.004	0.005	1271
22	377.7	0.001	0.003	0.009	0.013	427	2411	0.000	0.000	0.004	0.005	979	1057	0.000	0.000	0.005	0.005	457
23	580.9	0.000	0.000	0.009	0.009	472	2475	0.000	0.000	0.004	0.005	1027	552.8	0.000	0.000	0.005	0.005	253
24	297.8	0.000	0.000	0.009	0.009	239	2587	0.000	0.000	0.005	0.005	1140	510.9	0.000	0.000	0.005	0.005	225
25	317.9	0.000	0.000	0.009	0.009	255	1500	0.000	0.000	0.006	0.006	803	816.5	0.000	0.000	0.005	0.005	360
26	139.4	0.000	0.000	0.010	0.010	122	1880	0.000	0.000	0.005	0.005	845	916.0	0.000	0.000	0.005	0.005	388
27	68.95	0.000	0.000	0.002	0.002	10	2056	0.000	0.000	0.005	0.005	942	658.4	0.000	0.000	0.005	0.005	307
28	30.05	0.000	0.000	0.003	0.003	9	1644	0.000	0.000	0.005	0.005	724	417.9	0.000	0.000	0.005	0.006	202
29	88.48	0.000	0.000	0.002	0.002	11	1045	0.000	0.000	0.005	0.006	515	412.3	0.000	0.000	0.006	0.006	207
30	646.4	0.000	0.000	0.102	0.103	5725	619.0	0.000	0.000	0.005	0.006	305	559.1	0.000	0.000	0.005	0.006	271
31							552.6	0.000	0.000	0.005	0.006	268	595.5	0.000	0.000	0.005	0.005	278
Ten Daily Mean																		
Ten Daily I	57.58	0.000	0.000	0.002	0.002	9	389.1	0.000	0.000	0.006	0.006	198	654.8	0.000	0.000	0.005	0.006	306
Ten Daily II	267.1	0.000	0.000	0.005	0.005	191	2221	0.000	0.000	0.005	0.006	1067	5190	0.000	0.000	0.005	0.005	2263
Ten Daily III	261.9	0.000	0.000	0.016	0.016	728	1711	0.000	0.000	0.005	0.005	768	887.7	0.000	0.000	0.005	0.005	383
Monthly																		
Total							9276					21102						29908

Annual Sediment Load (Metric Tonnes) : 72247

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Kollegal (CC000R5)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	860.5	0.000	0.000	0.005	0.005	401	240.4	0.002	0.003	0.006	0.010	212	220.7	0.000	0.000	0.005	0.005	93
2	515.1	0.000	0.000	0.005	0.005	231	175.6	0.000	0.000	0.006	0.006	93	233.9	0.000	0.000	0.004	0.004	89
3	351.1	0.000	0.000	0.005	0.006	170	237.1	0.000	0.000	0.006	0.006	131	233.7	0.000	0.000	0.005	0.005	99
4	338.0	0.000	0.000	0.006	0.006	169	227.7	0.000	0.000	0.006	0.006	118	199.7	0.000	0.000	0.005	0.005	78
5	254.6	0.000	0.000	0.006	0.007	145	241.0	0.000	0.000	0.006	0.006	115	231.0	0.000	0.000	0.005	0.005	98
6	348.5	0.000	0.000	0.006	0.006	175	231.1	0.000	0.000	0.006	0.006	122	220.1	0.000	0.000	0.005	0.005	87
7	346.8	0.000	0.000	0.005	0.006	165	219.0	0.000	0.000	0.006	0.006	112	210.6	0.000	0.000	0.005	0.005	86
8	258.4	0.000	0.000	0.006	0.006	134	231.7	0.000	0.000	0.006	0.006	120	164.2	0.000	0.000	0.004	0.004	61
9	275.7	0.000	0.000	0.006	0.006	145	236.7	0.000	0.000	0.006	0.006	112	142.6	0.000	0.000	0.005	0.005	63
10	244.8	0.000	0.000	0.006	0.007	140	410.8	0.000	0.000	0.005	0.006	202	146.5	0.000	0.000	0.005	0.005	65
11	255.0	0.000	0.000	0.006	0.006	132	365.2	0.000	0.000	0.006	0.006	186	158.7	0.000	0.000	0.004	0.004	58
12	261.7	0.000	0.000	0.006	0.006	136	244.0	0.000	0.000	0.006	0.006	116	141.4	0.000	0.000	0.005	0.005	59
13	275.7	0.000	0.000	0.006	0.006	145	224.3	0.000	0.000	0.005	0.005	105	151.9	0.000	0.000	0.005	0.005	63
14	255.2	0.000	0.000	0.006	0.006	132	175.6	0.000	0.000	0.006	0.006	88	153.6	0.000	0.000	0.005	0.005	62
15	254.8	0.000	0.000	0.006	0.006	130	265.9	0.000	0.000	0.006	0.006	129	152.5	0.000	0.000	0.005	0.005	59
16	268.2	0.000	0.000	0.006	0.006	144	369.5	0.000	0.000	0.005	0.006	176	155.0	0.000	0.000	0.005	0.005	62
17	259.1	0.000	0.000	0.006	0.006	132	471.2	0.000	0.000	0.006	0.006	240	150.9	0.000	0.000	0.005	0.005	66
18	280.1	0.000	0.000	0.006	0.006	143	493.5	0.000	0.000	0.006	0.006	247	175.6	0.000	0.000	0.004	0.004	65
19	269.7	0.000	0.000	0.006	0.006	135	594.8	0.000	0.000	0.006	0.006	303	153.7	0.000	0.000	0.005	0.005	61
20	266.0	0.000	0.000	0.006	0.006	138	513.9	0.000	0.000	0.005	0.005	235	142.8	0.000	0.000	0.005	0.005	60
21	225.7	0.000	0.000	0.006	0.006	119	432.1	0.000	0.000	0.006	0.006	205	164.2	0.000	0.000	0.004	0.004	58
22	255.0	0.000	0.000	0.006	0.006	134	281.8	0.000	0.000	0.005	0.006	134	124.0	0.000	0.000	0.005	0.005	49
23	175.6	0.000	0.000	0.006	0.006	86	257.6	0.000	0.000	0.005	0.005	118	164.2	0.000	0.000	0.004	0.004	58
24	206.0	0.000	0.000	0.005	0.006	101	224.5	0.000	0.000	0.005	0.005	103	152.8	0.000	0.000	0.004	0.004	54
25	535.3	0.000	0.000	0.005	0.005	241	122.0	0.000	0.000	0.006	0.006	60	169.8	0.000	0.000	0.004	0.004	62
26	451.3	0.000	0.000	0.005	0.005	203	120.3	0.000	0.000	0.006	0.006	60	161.1	0.000	0.000	0.004	0.004	56
27	344.1	0.000	0.000	0.005	0.005	158	120.6	0.000	0.000	0.007	0.007	69	227.0	0.000	0.000	0.004	0.004	78
28	266.5	0.000	0.000	0.006	0.006	147	127.8	0.000	0.000	0.006	0.006	64	151.2	0.000	0.000	0.005	0.005	60
29	266.4	0.000	0.000	0.006	0.006	136	120.6	0.000	0.000	0.006	0.006	60	146.6	0.000	0.000	0.005	0.005	60
30	315.0	0.000	0.000	0.005	0.005	139	226.6	0.000	0.000	0.005	0.005	94	122.1	0.000	0.000	0.005	0.005	47
31							221.0	0.000	0.000	0.005	0.005	97						
Ten Daily Mean																		
Ten Daily I	379.4	0.000	0.000	0.006	0.006	188	245.1	0.000	0.000	0.006	0.006	134	200.3	0.000	0.000	0.005	0.005	82
Ten Daily II	264.6	0.000	0.000	0.006	0.006	137	371.8	0.000	0.000	0.006	0.006	182	153.6	0.000	0.000	0.005	0.005	62
Ten Daily III	304.1	0.000	0.000	0.005	0.006	146	205.0	0.000	0.000	0.006	0.006	97	158.3	0.000	0.000	0.004	0.004	58
Monthly																		
Total						4707						4226						2016

Annual Sediment Load (Metric Tonnes) : 72247

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Kollegal (CC000R5)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	119.6	0.000	0.000	0.009	0.009	90	21.50	0.000	0.000	0.003	0.003	5	12.32	0.000	0.000	0.004	0.004	4
2	128.6	0.000	0.000	0.009	0.009	102	20.00	0.000	0.000	0.003	0.003	4	18.41	0.000	0.000	0.002	0.002	4
3	121.4	0.000	0.000	0.009	0.009	95	19.50	0.000	0.000	0.003	0.003	4	19.14	0.000	0.000	0.003	0.003	4
4	118.8	0.000	0.000	0.009	0.009	92	18.79	0.000	0.000	0.003	0.003	5	23.82	0.000	0.000	0.002	0.002	5
5	81.83	0.000	0.000	0.001	0.001	9	14.00	0.000	0.000	0.002	0.002	3	27.63	0.000	0.000	0.002	0.002	5
6	75.59	0.000	0.000	0.002	0.002	10	15.93	0.000	0.000	0.002	0.002	3	21.56	0.000	0.000	0.002	0.002	3
7	63.70	0.000	0.000	0.002	0.002	9	12.79	0.000	0.000	0.002	0.002	2	21.09	0.000	0.000	0.002	0.002	3
8	53.98	0.000	0.000	0.002	0.002	8	10.86	0.000	0.000	0.002	0.002	2	22.66	0.000	0.000	0.002	0.002	3
9	48.01	0.000	0.000	0.002	0.002	8	13.15	0.000	0.000	0.002	0.002	2	21.23	0.000	0.000	0.002	0.002	4
10	31.92	0.000	0.000	0.003	0.003	8	19.26	0.000	0.000	0.003	0.003	4	21.47	0.000	0.000	0.002	0.002	4
11	32.67	0.000	0.000	0.003	0.003	9	28.37	0.000	0.000	0.003	0.003	8	12.15	0.000	0.000	0.003	0.003	3
12	31.47	0.000	0.000	0.003	0.003	8	30.13	0.000	0.000	0.003	0.003	9	11.60	0.000	0.000	0.003	0.003	3
13	31.92	0.000	0.000	0.003	0.003	8	23.95	0.000	0.000	0.003	0.003	6	12.08	0.000	0.000	0.004	0.004	4
14	33.02	0.000	0.000	0.003	0.003	9	19.65	0.000	0.000	0.003	0.003	4	12.65	0.000	0.000	0.003	0.003	3
15	38.78	0.000	0.000	0.002	0.002	6	16.96	0.000	0.000	0.002	0.002	3	12.41	0.000	0.000	0.003	0.003	3
16	38.78	0.000	0.000	0.002	0.002	6	16.12	0.000	0.000	0.002	0.002	3	13.94	0.000	0.000	0.003	0.003	3
17	32.37	0.000	0.000	0.003	0.003	8	11.27	0.000	0.000	0.002	0.002	2	12.17	0.000	0.000	0.003	0.003	3
18	28.93	0.000	0.000	0.003	0.003	7	10.99	0.000	0.000	0.002	0.002	2	14.54	0.000	0.000	0.003	0.003	4
19	27.69	0.000	0.000	0.003	0.003	7	11.12	0.000	0.000	0.002	0.002	2	27.27	0.000	0.000	0.003	0.003	6
20	26.52	0.000	0.000	0.003	0.003	6	15.93	0.000	0.000	0.002	0.002	3	22.45	0.000	0.000	0.002	0.002	4
21	26.52	0.000	0.000	0.003	0.003	7	26.17	0.000	0.000	0.002	0.002	4	11.95	0.000	0.000	0.003	0.003	3
22	26.52	0.000	0.000	0.003	0.003	7	29.00	0.000	0.000	0.002	0.002	5	11.67	0.000	0.000	0.003	0.003	3
23	29.39	0.000	0.000	0.003	0.003	7	29.00	0.000	0.000	0.002	0.002	5	11.61	0.000	0.000	0.003	0.003	3
24	26.52	0.000	0.000	0.003	0.003	7	28.30	0.000	0.000	0.002	0.002	5	9.725	0.000	0.000	0.003	0.003	2
25	29.39	0.000	0.000	0.003	0.003	8	30.09	0.000	0.000	0.002	0.002	5	13.89	0.000	0.000	0.003	0.003	4
26	28.86	0.000	0.000	0.003	0.003	7	23.95	0.000	0.000	0.002	0.002	4	19.36	0.000	0.000	0.003	0.003	5
27	24.70	0.000	0.000	0.003	0.003	6	22.69	0.000	0.000	0.002	0.002	4	17.91	0.000	0.000	0.002	0.002	4
28	22.73	0.000	0.000	0.002	0.002	5	19.26	0.000	0.000	0.003	0.003	5	19.60	0.000	0.000	0.002	0.002	4
29	22.73	0.000	0.000	0.002	0.002	5	15.08	0.000	0.000	0.003	0.003	4						
30	21.47	0.000	0.000	0.002	0.002	4	14.35	0.000	0.000	0.004	0.004	4						
31	22.73	0.000	0.000	0.002	0.002	5	12.44	0.000	0.000	0.003	0.003	3						
Ten Daily Mean																		
Ten Daily I	84.34	0.000	0.000	0.005	0.005	43	16.58	0.000	0.000	0.002	0.002	3	20.93	0.000	0.000	0.002	0.002	4
Ten Daily II	32.21	0.000	0.000	0.003	0.003	8	18.45	0.000	0.000	0.002	0.002	4	15.13	0.000	0.000	0.003	0.003	4
Ten Daily III	25.60	0.000	0.000	0.003	0.003	6	22.76	0.000	0.000	0.002	0.002	4	14.46	0.000	0.000	0.003	0.003	3
Monthly																		
Total						574						125						103

Annual Sediment Load (Metric Tonnes) : 72247

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Kollegal (CC000R5)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	19.40	0.000	0.000	0.003	0.003	4	19.07	0.000	0.000	0.003	0.003	5	24.17	0.000	0.000	0.002	0.002	4
2	19.63	0.000	0.000	0.003	0.003	4	17.63	0.000	0.000	0.003	0.003	5	25.17	0.000	0.000	0.002	0.002	4
3	15.93	0.000	0.000	0.004	0.004	5	11.62	0.000	0.000	0.003	0.003	3	30.42	0.000	0.000	0.002	0.002	5
4	12.72	0.000	0.000	0.003	0.003	3	0.000	0.000	0.000	0.000	0.000	0	24.71	0.000	0.000	0.002	0.002	5
5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	18.03	0.000	0.000	0.002	0.002	2
6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	17.87	0.000	0.000	0.002	0.002	3
7	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	17.64	0.000	0.000	0.002	0.002	3
8	13.61	0.000	0.000	0.003	0.003	4	12.59	0.000	0.000	0.003	0.003	3	21.33	0.000	0.000	0.002	0.002	4
9	14.39	0.000	0.000	0.003	0.003	4	11.72	0.000	0.000	0.002	0.002	2	19.33	0.000	0.000	0.002	0.002	4
10	14.94	0.000	0.000	0.004	0.004	5	19.17	0.000	0.000	0.002	0.002	4	14.16	0.000	0.000	0.002	0.002	3
11	13.50	0.000	0.000	0.003	0.003	3	24.25	0.000	0.000	0.002	0.002	5	19.44	0.000	0.000	0.002	0.002	3
12	13.94	0.000	0.000	0.004	0.004	4	13.61	0.000	0.000	0.002	0.002	3	18.03	0.000	0.000	0.002	0.002	2
13	11.61	0.000	0.000	0.003	0.003	3	0.000	0.000	0.000	0.000	0.000	0	14.05	0.000	0.000	0.002	0.002	3
14	12.17	0.000	0.000	0.003	0.003	3	0.000	0.000	0.000	0.000	0.000	0	13.20	0.000	0.000	0.002	0.002	3
15	14.50	0.000	0.000	0.003	0.003	3	16.86	0.000	0.000	0.003	0.003	4	11.62	0.000	0.000	0.002	0.002	2
16	12.66	0.000	0.000	0.003	0.003	4	17.57	0.000	0.000	0.003	0.003	4	0.000	0.000	0.000	0.000	0.000	0
17	12.17	0.000	0.000	0.003	0.003	3	0.000	0.000	0.000	0.000	0.000	0	13.14	0.000	0.000	0.003	0.003	3
18	11.61	0.000	0.000	0.003	0.003	3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	13.68	0.000	0.000	0.003	0.003	3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	12.92	0.000	0.000	0.003	0.003	3	16.96	0.000	0.000	0.002	0.002	3	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	17.79	0.000	0.000	0.002	0.002	3	0.000	0.000	0.000	0.000	0.000	0
23	11.69	0.000	0.000	0.004	0.004	4	14.08	0.000	0.000	0.003	0.003	4	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	19.10	0.000	0.000	0.002	0.002	3	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	17.72	0.000	0.000	0.002	0.002	3	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	16.80	0.000	0.000	0.002	0.002	3	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	12.51	0.000	0.000	0.002	0.002	2	0.000	0.000	0.000	0.000	0.000	0
28	11.99	0.000	0.000	0.003	0.003	3	13.98	0.000	0.000	0.003	0.003	4	20.02	0.000	0.000	0.002	0.002	3
29	0.000	0.000	0.000	0.000	0.000	0	13.30	0.000	0.000	0.003	0.003	3	22.73	0.000	0.000	0.002	0.002	5
30	17.88	0.000	0.000	0.003	0.003	4	13.30	0.000	0.000	0.003	0.003	3	20.13	0.000	0.000	0.003	0.003	5
31	0.000	0.000	0.000	0.000	0.000	0							20.33	0.000	0.000	0.002	0.002	4
Ten Daily Mean																		
Ten Daily I	11.06	0.000	0.000	0.002	0.002	3	9.180	0.000	0.000	0.002	0.002	2	21.28	0.000	0.000	0.002	0.002	4
Ten Daily II	11.58	0.000	0.000	0.003	0.003	3	7.229	0.000	0.000	0.001	0.001	2	8.948	0.000	0.000	0.001	0.001	2
Ten Daily III	4.953	0.000	0.000	0.001	0.001	1	15.55	0.000	0.000	0.002	0.002	3	7.565	0.000	0.000	0.001	0.001	1
Monthly																		
Total						73						68						69

Annual Sediment Load (Metric Tonnes) : 72247

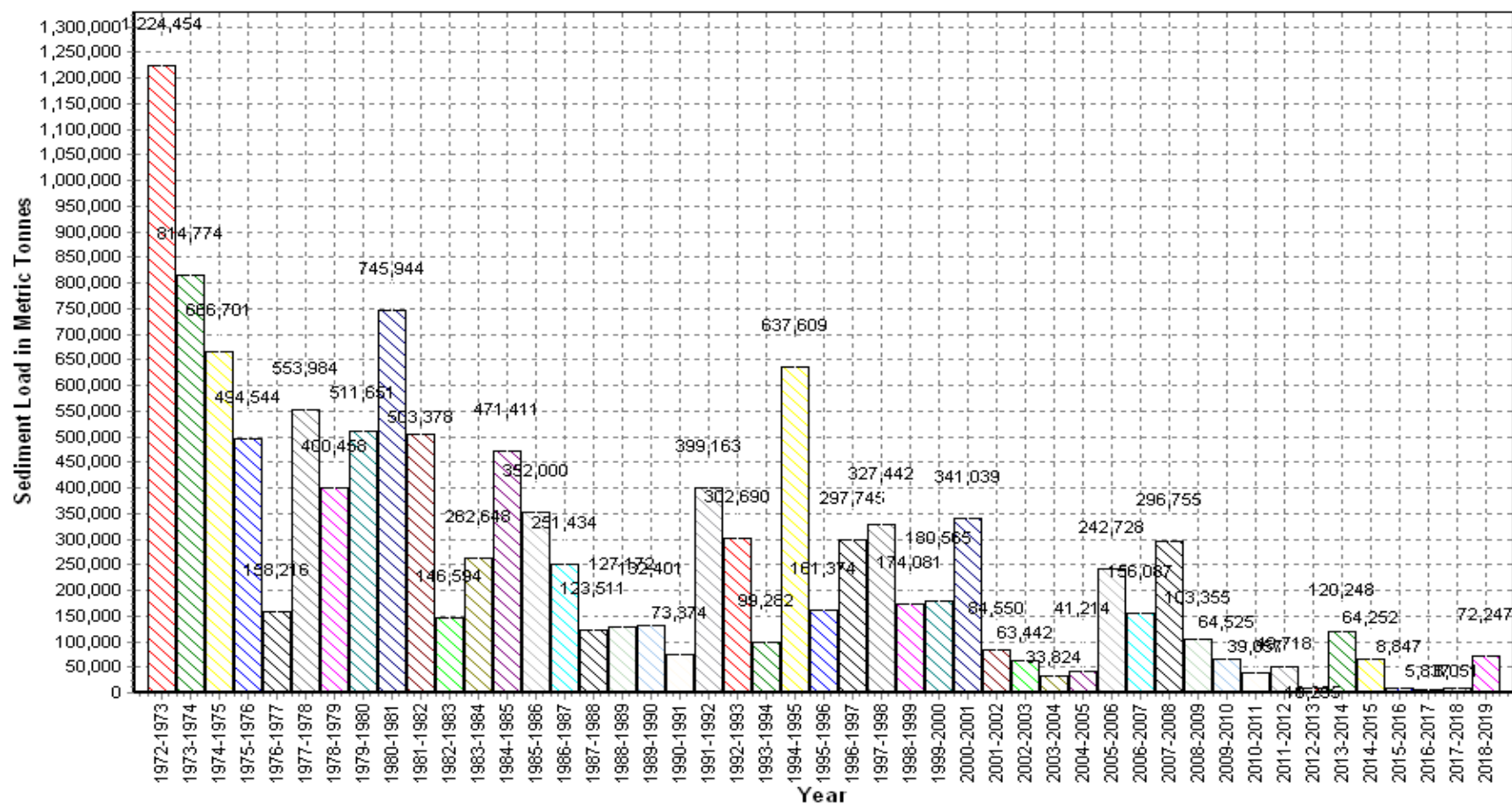
Annual Sediment Load for the period: 1972-2019

Station Name : Kollegal (CC000R5)

Local River : Cauvery

Division : Cauvery Division, Bangalore

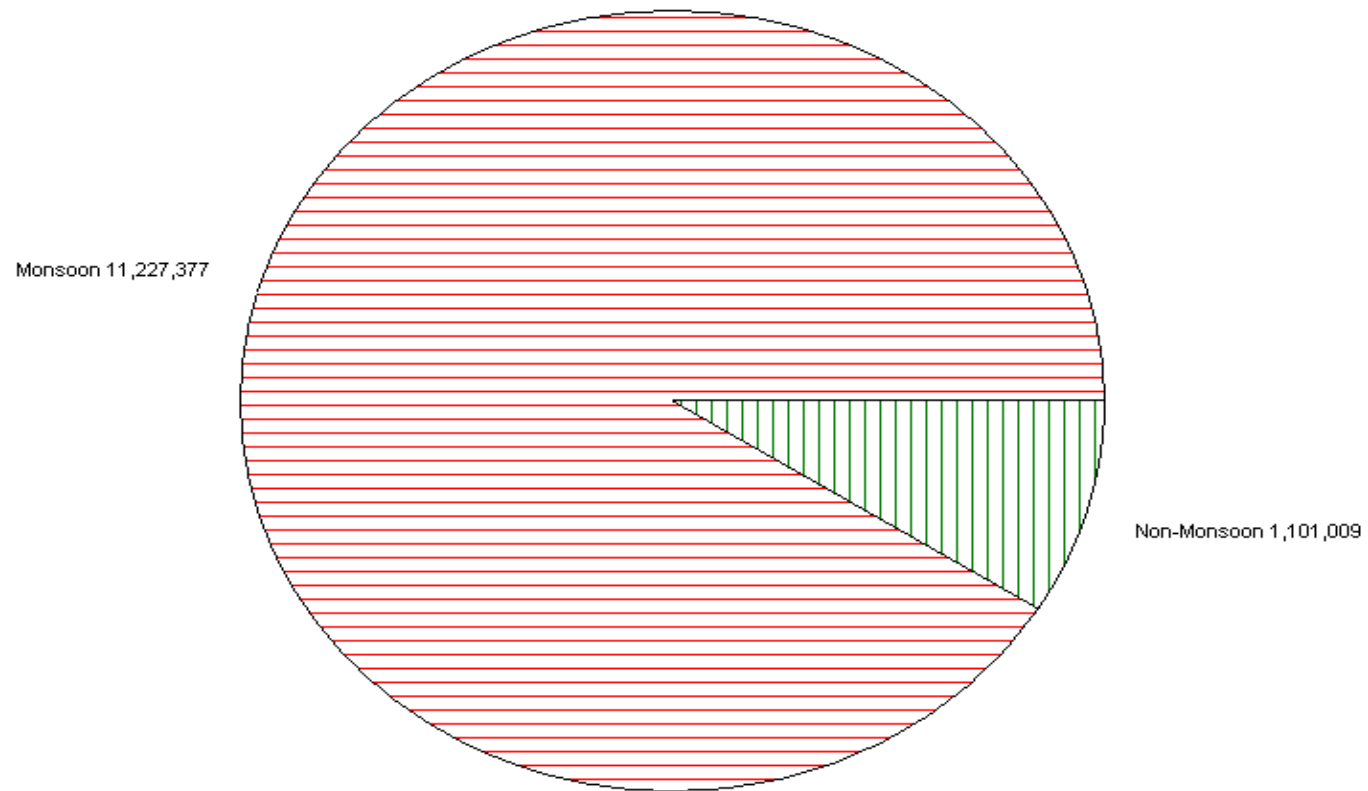
Sub-Division : Upper Cauvery SD, Bangalore



Station Name : Kollegal (CC000R5)
Local River : Cauvery

Seasonal Sediment Load for the period : 1972-2018

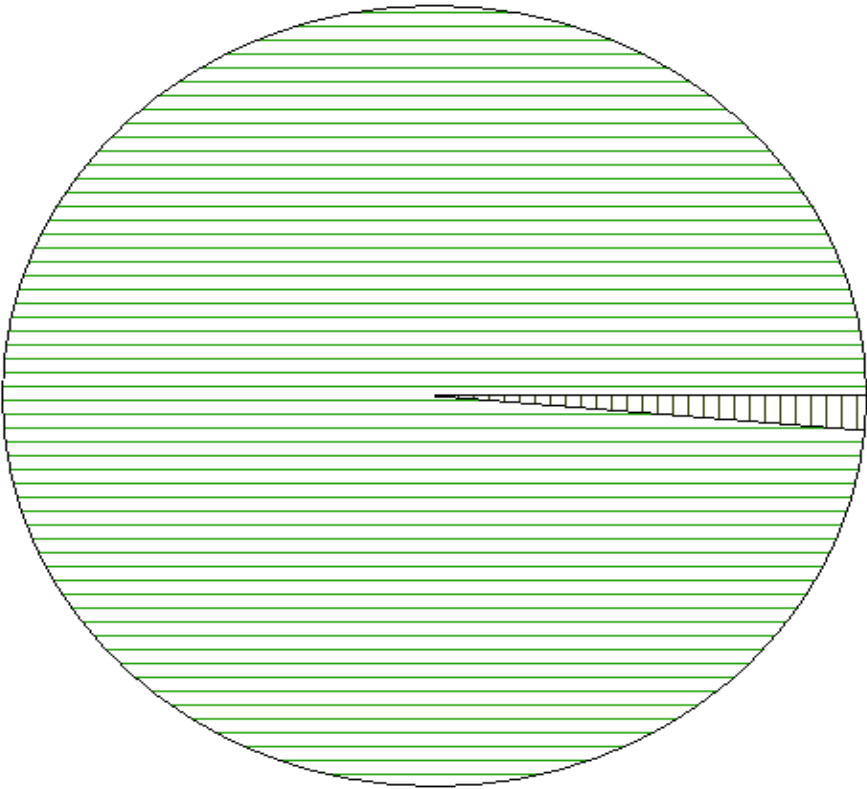
Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Seasonal Sediment Load for the Year: 2018-2019

Station Name : Kollegal (CC000R5)
Local River : Cauvery

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Monsoon 71,235

Non-Monsoon 1,011

BED MATERIAL ANALYSIS DATA

RIVER : Cauvery
SITE : KOLLEGAL

CODE NO. : CC000R5
CROSS SECTION : SGL

SL. NO.	DATA FOR SAMPLE COLLECTED										GENERAL DATA OF THE RIVER							
	R.D.NO.	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L. (GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/Sec)	DISCHARGE (m³/Sec)	Bed Material Composition		WETTED PERIMETER (m)	HYDRULIC MEAN DEPTH (m)	MEAN VELOCITY (m/Sec)	SURFACE WATER SLOPE (S)	DISCHARGE (m³/Sec)	Bed Material Composition		
									MAX SIZE (mm)	MEAN SIZE (mm)						MAX SIZE (mm)	MEAN SIZE (mm)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
MONSOON 2018																		

Annual Sediment Load for period : 1972-2019

Station Name : T.Narasipur (CCP00B1)

Division : Cauvery Division, Bangalore

Local River : Kabini

Sub-Division : Upper Cauvery SD, Bangalore

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1972-1973	177422	111484	288906	3117
1973-1974	338436	3505	341941	3299
1974-1975	204777	14349	219127	3294
1975-1976	134652	39340	173992	4092
1976-1977	56349	67564	123913	2216
1977-1978	148214	29020	177235	3198
1978-1979	64110	12929	77039	4355
1979-1980	77399	17453	94852	3706
1980-1981	115889	14316	130205	4986
1981-1982	272026	15559	287585	4394
1982-1983	102973	12632	115605	2712
1983-1984	171157	21051	192208	2869
1984-1985	195235	9683	204918	3917
1985-1986	117112	10981	128092	2553
1986-1987	94275	13437	107713	1990
1987-1988	109986	16776	126762	1091
1988-1989	197781	10323	208104	2275
1989-1990	191055	10935	201990	2179
1990-1991	83447	24879	108326	2133
1991-1992	177152	4978	182131	3046
1992-1993	260712	6222	266935	3930
1993-1994	119456	5760	125216	2633
1994-1995	258664	4499	263163	4282
1995-1996	87045	7203	94249	2337
1996-1997	68284	4735	73018	2315
1997-1998	140487	8418	148904	2966
1998-1999	101210	12081	113291	2770
1999-2000	85925	5874	91799	2378
2000-2001	124791	16247	141037	2842
2001-2002	99950	4101	104051	2202
2002-2003	Sediment Observation not done			1934
2003-2004	41846	7453	49300	1607
2004-2005	130077	4902	134979	2456
2005-2006	283821	27300	311121	3743
2006-2007	Sediment Observation not done			3245
2007-2008	Sediment Observation not done			4771
2008-2009	15808 *	5457	21265 *	2146
2009-2010	168428	4266	172694	2708
2010-2011	32581	7508	40089	1674
2011-2012	258925	3937	262861	2512
2012-2013	42018	1957	43974	1109
2013-2014	12782	503	13286	2168
2014-2015	95348	1359	96707	2260
2015-2016	32909	1584	34493	1517
2016-2017	11569	0	11569	753
2017-2018	38721	8868	47589	1492
2018-2019	69194	11475	80670	6448

* Partial Data

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : T.Narasipur (CCP00B1)
Local River : Kabini

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

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Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	25.39	0.000	0.000	0.030	0.030	66	219.2	0.000	0.000	0.055	0.055	1044	400.4	0.000	0.000	0.033	0.033	1142
2	23.85	0.000	0.000	0.031	0.031	64	139.4	0.000	0.000	0.036	0.036	434	400.4	0.000	0.000	0.036	0.036	1245
3	39.54	0.000	0.000	0.033	0.033	111	129.4	0.000	0.000	0.040	0.040	447	543.7	No Sediment data Available				
4	45.87	0.000	0.000	0.035	0.035	139	128.5	0.000	0.000	0.035	0.035	389	349.7					
5	28.57	0.000	0.000	0.025	0.025	62	123.7	0.000	0.000	0.041	0.041	438	353.3					
6	27.99	0.000	0.000	0.023	0.023	56	48.49	0.000	0.000	0.022	0.022	92	339.5					
7	25.20	0.000	0.000	0.020	0.020	44	44.82	0.000	0.000	0.025	0.025	97	256.2					
8	23.75	0.000	0.000	0.018	0.018	37	162.0	0.000	0.000	0.042	0.042	588	251.1					
9	22.42	0.000	0.000	0.019	0.019	37	788.3	No Sediment data Available					809.3					
10	23.50	0.000	0.000	0.019	0.019	38	793.2						2010					
11	24.35	0.000	0.000	0.025	0.025	53	1021						2249					
12	25.05	0.000	0.000	0.025	0.025	54	1152						1953					
13	26.70	0.000	0.000	0.022	0.022	51	1236						1688					
14	27.97	0.000	0.000	0.023	0.023	56	1152						1856					
15	26.63	0.000	0.000	0.022	0.022	51	1719						2245					
16	234.2	0.000	0.000	0.024	0.024	486	1944						2757					
17	222.5	0.000	0.000	0.025	0.025	481	1941						2200					
18	152.0	0.000	0.000	0.026	0.026	342	1825						2300					
19	57.07	0.000	0.000	0.018	0.018	89	1152						2100					
20	28.64	0.000	0.000	0.027	0.027	67	1248						1923					
21	40.69	0.000	0.000	0.017	0.017	60	1107						1323					
22	529.7	0.000	0.000	0.032	0.032	1469	1468						593.9					
23	240.1	0.000	0.000	0.045	0.045	934	1304						220.2					
24	214.6	0.000	0.000	0.043	0.043	797	1280						230.1					
25	132.9	0.000	0.000	0.041	0.041	471	972.1						525.9					
26	40.91	0.000	0.000	0.026	0.026	92	1154						512.7					
27	22.56	0.000	0.000	0.016	0.016	31	1090						198.9	0.000	0.000	0.042	0.042	722
28	25.11	0.000	0.000	0.015	0.015	33	986.6						196.9	0.000	0.000	0.039	0.039	663
29	233.3	0.000	0.000	0.036	0.036	726	557.3	0.000	0.000	0.035	0.035	1685	243.7	0.000	0.000	0.045	0.045	948
30	529.7	0.000	0.000	0.032	0.032	1469	255.9	0.000	0.000	0.036	0.036	796	364.1					
31							231.1	0.000	0.000	0.032	0.032	639	432.7					
<u>Ten Daily Mean</u>																		
Ten Daily I	28.61	0.000	0.000	0.025	0.025	65	257.7	0.000	0.000	0.037	0.037	441	571.4	0.000	0.000	0.035	0.035	1194
Ten Daily II	82.51	0.000	0.000	0.024	0.024	173	1439						2127					
Ten Daily III	201.0	0.000	0.000	0.030	0.030	608	946.0	0.000	0.000	0.034	0.034	1040	440.2	0.000	0.000	0.042	0.042	778
<u>Monthly</u>																		
Total						8459						6648						4720

Annual Sediment Load (Metric Tonnes) : 80670

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : T.Narasipur (CCP00B1)

Local River : Kabini

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	380.6	0.000	0.000	0.038	0.038	1253	47.95	0.000	0.000	0.025	0.025	104	79.70	0.000	0.064	0.085	0.149	1026
2	200.6	0.000	0.000	0.031	0.031	537	45.94	0.000	0.000	0.027	0.027	105	88.51	0.000	0.054	0.098	0.152	1162
3	144.2	0.000	0.000	0.039	0.039	486	51.96	0.000	0.000	0.028	0.028	126	90.09	0.000	0.035	0.170	0.205	1596
4	64.56	0.000	0.000	0.027	0.027	151	49.09	0.000	0.000	0.024	0.024	102	93.21	0.000	0.000	0.078	0.078	624
5	60.92	0.000	0.000	0.024	0.024	126	86.51	0.000	0.000	0.027	0.027	202	80.28	0.000	0.044	0.044	0.088	610
6	149.3	0.000	0.000	0.033	0.033	426	110.7	0.000	0.000	0.029	0.029	277	64.90	0.000	0.011	0.011	0.022	123
7	144.7	0.000	0.000	0.033	0.033	413	98.40	0.000	0.000	0.029	0.029	242	63.67	0.000	0.012	0.012	0.024	132
8	62.29	0.000	0.000	0.026	0.026	140	98.62	0.000	0.000	0.028	0.028	239	62.49	0.000	0.000	0.091	0.091	491
9	61.27	0.000	0.000	0.026	0.026	135	105.7	0.000	0.000	0.023	0.023	210	62.89	0.000	0.090	0.090	0.180	978
10	56.78	0.000	0.000	0.025	0.025	123	211.9	0.000	0.000	0.045	0.045	824	63.69	0.000	0.062	0.062	0.124	682
11	55.32	0.000	0.000	0.028	0.028	134	183.6	0.000	0.000	0.040	0.040	634	63.87	0.000	0.000	0.062	0.062	343
12	63.38	0.000	0.000	0.026	0.026	142	115.5	0.000	0.000	0.025	0.025	250	56.14	0.000	0.070	0.073	0.143	694
13	59.26	0.000	0.000	0.025	0.025	125	100.6	0.000	0.000	0.020	0.020	174	65.21	0.000	0.110	0.012	0.122	687
14	56.61	0.000	0.000	0.021	0.021	103	70.99	0.000	0.000	0.033	0.033	199	58.65	0.000	0.090	0.119	0.209	1059
15	56.45	0.000	0.000	0.022	0.022	107	152.6	0.000	0.000	0.043	0.043	567	61.15	0.000	0.070	0.091	0.161	851
16	58.07	0.000	0.000	0.024	0.024	120	116.7	0.000	0.000	0.020	0.020	202	61.06	0.000	0.080	0.088	0.168	886
17	64.24	0.000	0.000	0.026	0.026	144	209.2	0.000	0.000	0.043	0.043	777	69.42	0.000	0.070	0.083	0.153	918
18	56.29	0.000	0.000	0.024	0.024	117	203.6	0.000	0.000	0.043	0.043	748	72.47	0.000	0.211	0.062	0.273	1709
19	53.91	0.000	0.000	0.024	0.024	112	381.7	0.000	0.000	0.051	0.051	1665	67.76	0.000	0.210	0.023	0.233	1364
20	52.30	0.000	0.000	0.025	0.025	113	221.8	0.000	0.000	0.051	0.051	977	64.74	0.000	0.230	0.025	0.255	1426
21	53.09	0.000	0.000	0.026	0.026	117	230.9	0.000	0.000	0.055	0.055	1097	65.25	0.000	0.000	0.025	0.025	142
22	49.20	0.000	0.000	0.026	0.026	111	156.9	0.000	0.000	0.027	0.027	366	56.44	0.000	0.060	0.066	0.126	614
23	48.73	0.000	0.000	0.028	0.028	116	114.3	0.000	0.000	0.024	0.024	237	75.47	0.000	0.000	0.061	0.061	398
24	63.45	0.000	0.000	0.029	0.029	159	73.03	0.000	0.000	0.018	0.018	114	66.83	0.000	0.110	0.129	0.239	1380
25	82.61	0.000	0.000	0.051	0.051	364	53.23	0.000	0.000	0.019	0.019	87	80.10	0.000	0.000	0.085	0.085	589
26	68.40	0.000	0.000	0.042	0.042	248	56.39	0.000	0.000	0.020	0.020	97	80.08	0.000	0.080	0.085	0.165	1142
27	62.65	0.000	0.000	0.024	0.024	130	55.36	0.000	0.000	0.019	0.019	91	70.51	0.000	0.090	0.103	0.193	1176
28	56.33	0.000	0.000	0.023	0.023	112	55.87	0.000	0.000	0.019	0.019	92	64.61	0.000	0.090	0.100	0.190	1061
29	54.19	0.000	0.000	0.022	0.022	103	73.92	0.000	0.000	0.023	0.023	147	64.55	0.000	1.080	0.115	1.195	6664
30	56.90	0.000	0.000	0.029	0.029	144	86.83	0.000	0.000	0.022	0.022	165	64.26	0.000	0.080	0.087	0.167	927
31							78.86	0.000	0.000	0.027	0.027	184						
Ten Daily Mean																		
Ten Daily I	132.5	0.000	0.000	0.030	0.030	379	90.67	0.000	0.000	0.028	0.028	243	74.94	0.000	0.037	0.074	0.111	743
Ten Daily II	57.58	0.000	0.000	0.024	0.024	122	175.6	0.000	0.000	0.037	0.037	619	64.05	0.000	0.114	0.064	0.178	994
Ten Daily III	59.55	0.000	0.000	0.030	0.030	160	94.14	0.000	0.000	0.025	0.025	243	68.81	0.000	0.159	0.086	0.245	1409
Monthly																		
Total						6610						11301						31456

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : T.Narasipur (CCP00B1)

Local River : Kabini

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	57.50	0.000	0.050	0.006	0.056	276	15.83	0.000	0.000	0.007	0.007	9	8.018	0.000	0.040	0.004	0.044	30
2	54.16	0.000	0.000	0.003	0.003	12	13.94	0.000	0.000	0.006	0.006	8	20.76	0.000	0.060	0.004	0.064	115
3	41.10	0.000	0.030	0.003	0.033	119	14.53	0.000	0.050	0.006	0.056	71	18.62	0.000	0.030	0.002	0.032	51
4	53.72	0.000	0.020	0.002	0.022	103	10.25	0.000	0.060	0.009	0.069	61	28.08	0.000	0.000	0.000	0.000	0
5	36.41	0.000	0.030	0.007	0.037	115	9.025	0.000	0.040	0.004	0.044	34	25.98	0.000	0.040	0.002	0.042	95
6	35.93	0.000	0.040	0.005	0.045	138	9.774	0.000	0.000	0.005	0.005	4	25.90	0.000	0.047	0.003	0.050	112
7	35.08	0.000	0.040	0.005	0.045	136	8.716	0.000	0.060	0.006	0.066	50	19.63	0.000	0.047	0.003	0.050	85
8	33.83	0.000	0.030	0.004	0.034	98	8.429	0.000	0.030	0.003	0.033	24	7.573	0.000	0.050	0.007	0.057	37
9	28.38	0.000	0.000	0.005	0.005	12	25.49	0.000	0.050	0.006	0.056	123	7.130	0.000	0.060	0.008	0.068	42
10	31.01	0.000	0.040	0.005	0.045	119	30.68	0.000	0.040	0.005	0.045	118	2.931	0.000	0.000	0.006	0.006	1
11	32.51	0.000	0.030	0.004	0.034	94	27.91	0.000	0.060	0.007	0.067	162	7.017	0.000	0.030	0.004	0.034	20
12	30.20	0.000	0.030	0.004	0.034	88	26.87	0.000	0.050	0.003	0.053	123	18.34	0.000	0.050	0.003	0.053	84
13	29.57	0.000	0.060	0.008	0.068	172	18.62	0.000	0.060	0.004	0.064	102	22.54	0.000	0.040	0.002	0.042	82
14	28.22	0.000	0.050	0.006	0.056	136	12.91	0.000	0.070	0.005	0.075	83	18.75	0.000	0.050	0.003	0.053	86
15	28.09	0.000	0.040	0.005	0.045	108	11.28	0.000	0.000	0.004	0.004	4	18.39	0.000	0.060	0.004	0.064	101
16	25.71	0.000	0.000	0.031	0.031	69	9.423	0.000	0.050	0.004	0.054	44	19.38	0.000	0.060	0.043	0.103	172
17	27.15	0.000	0.030	0.003	0.033	78	9.049	0.000	0.040	0.003	0.043	34	17.78	0.000	0.055	0.009	0.064	98
18	25.97	0.000	0.070	0.009	0.079	176	10.24	0.000	0.040	0.004	0.044	39	34.79	0.000	0.050	0.003	0.053	159
19	25.38	0.000	0.030	0.004	0.034	74	21.36	0.000	0.060	0.004	0.064	119	44.17	0.000	0.040	0.002	0.042	161
20	28.18	0.000	0.050	0.006	0.056	137	37.14	0.000	0.000	0.003	0.003	11	20.34	0.000	0.060	0.004	0.064	112
21	24.25	0.000	0.040	0.005	0.045	94	43.88	0.000	0.030	0.002	0.032	122	11.24	0.000	0.060	0.058	0.118	115
22	25.25	0.000	0.060	0.009	0.069	151	27.81	0.000	0.050	0.003	0.053	127	10.17	0.000	0.040	0.003	0.043	38
23	29.31	0.000	0.050	0.007	0.057	145	27.28	0.000	0.020	0.001	0.021	50	9.071	0.000	0.060	0.006	0.066	52
24	25.88	0.000	0.040	0.005	0.045	100	29.42	0.000	0.040	0.003	0.043	108	15.54	0.000	0.060	0.005	0.065	87
25	25.71	0.000	0.000	0.005	0.005	11	28.68	0.000	0.060	0.004	0.064	158	18.14	0.000	0.060	0.004	0.064	100
26	17.45	0.000	0.050	0.006	0.056	85	29.64	0.000	0.050	0.004	0.054	138	18.03	0.000	0.040	0.003	0.043	66
27	16.54	0.000	0.060	0.007	0.067	96	13.78	0.000	0.045	0.004	0.049	58	18.70	0.000	0.060	0.004	0.064	103
28	14.53	0.000	0.050	0.006	0.056	70	8.750	0.000	0.040	0.004	0.044	33	19.82	0.000	0.050	0.003	0.053	91
29	16.63	0.000	0.040	0.005	0.045	65	8.701	0.000	0.030	0.003	0.033	25						
30	19.31	0.000	0.045	0.005	0.050	84	8.650	0.000	0.070	0.006	0.076	57						
31	17.24	0.000	0.050	0.006	0.056	83	8.738	0.000	0.050	0.005	0.055	41						
Ten Daily Mean																		
Ten Daily I	40.71	0.000	0.028	0.004	0.032	113	14.67	0.000	0.033	0.006	0.039	50	16.46	0.000	0.037	0.004	0.041	57
Ten Daily II	28.10	0.000	0.039	0.008	0.047	113	18.48	0.000	0.043	0.004	0.047	72	22.15	0.000	0.050	0.008	0.057	108
Ten Daily III	21.10	0.000	0.044	0.006	0.050	89	21.39	0.000	0.044	0.003	0.048	84	15.09	0.000	0.054	0.011	0.064	81
Monthly																		
Total						3244						2141						2295

Annual Sediment Load (Metric Tonnes) : 80670

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : T.Narasipur (CCP00B1)

Local River : Kabini

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

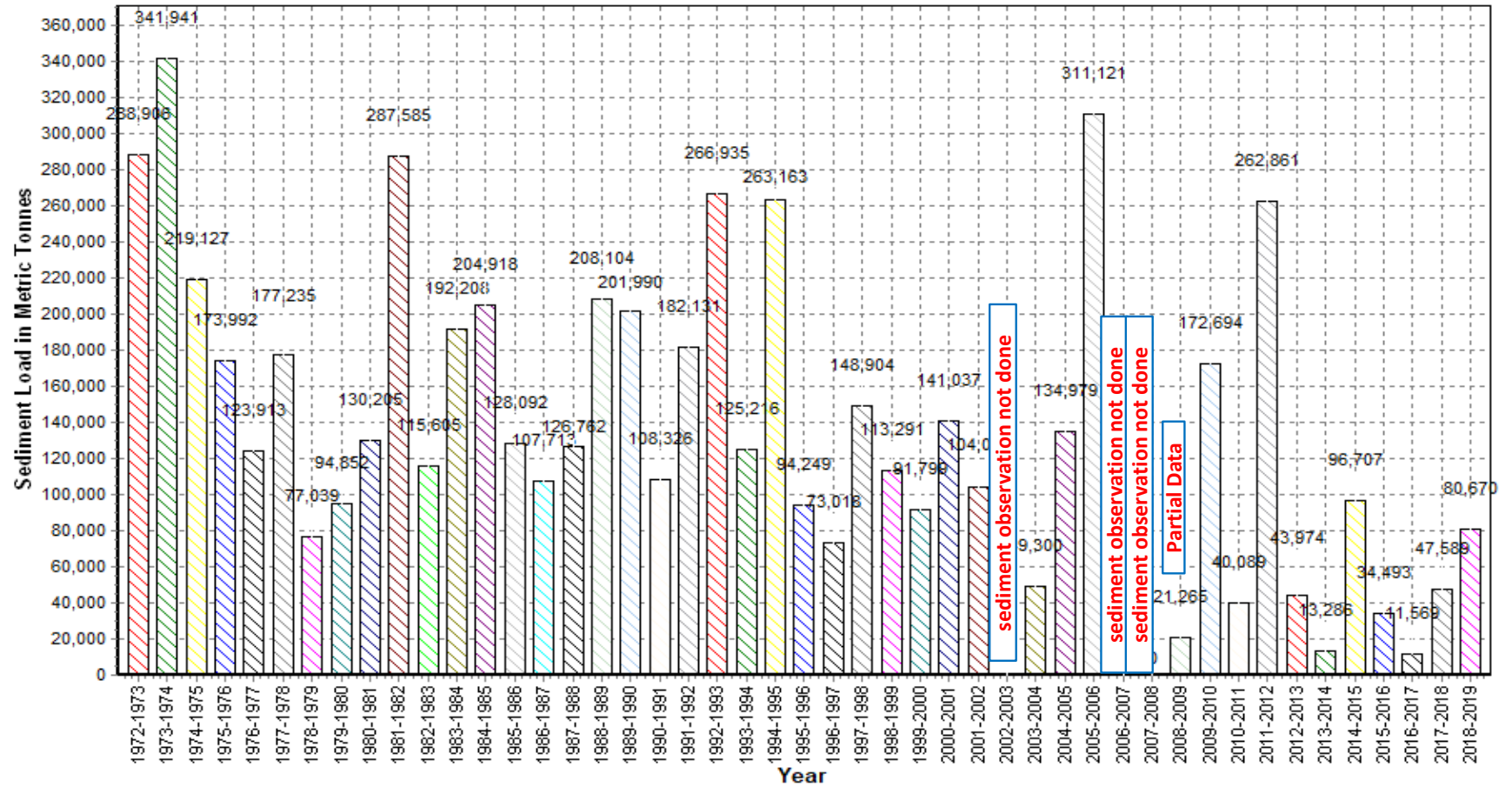
660

Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	19.92	0.000	0.000	0.029	0.029	50	22.29	0.000	0.000	0.013	0.013	25	36.31	0.000	0.000	0.002	0.002	7
2	17.33	0.000	0.000	0.120	0.120	180	21.74	0.000	0.000	0.020	0.020	38	57.00	0.000	0.000	0.003	0.003	17
3	17.21	0.000	0.000	0.119	0.119	177	19.59	0.000	0.000	0.020	0.020	34	27.90	0.000	0.000	0.003	0.003	7
4	14.40	0.000	0.000	0.072	0.072	90	15.69	0.000	0.000	0.028	0.028	38	24.81	0.000	0.000	0.017	0.017	36
5	13.35	0.000	0.000	0.028	0.028	32	14.11	0.000	0.000	0.022	0.022	27	25.31	0.000	0.000	0.019	0.019	40
6	13.69	0.000	0.000	0.038	0.038	45	14.23	0.000	0.000	0.015	0.015	18	24.14	0.000	0.000	0.012	0.012	25
7	18.11	0.000	0.000	0.035	0.035	55	14.47	0.000	0.000	0.016	0.016	20	29.20	0.000	0.000	0.011	0.011	28
8	18.15	0.000	0.000	0.025	0.025	39	22.48	0.000	0.000	0.027	0.027	52	24.76	0.000	0.000	0.017	0.017	36
9	19.87	0.000	0.000	0.019	0.019	33	23.61	0.000	0.000	0.018	0.018	37	23.43	0.000	0.000	0.018	0.018	36
10	14.47	0.000	0.000	0.040	0.040	50	29.30	0.000	0.000	0.016	0.016	41	20.75	0.000	0.000	0.012	0.012	22
11	18.20	0.000	0.000	0.041	0.041	64	23.40	0.000	0.000	0.011	0.011	22	22.93	0.000	0.000	0.019	0.019	38
12	18.20	0.000	0.000	0.032	0.032	50	18.59	0.000	0.000	0.013	0.013	21	26.68	0.000	0.000	0.019	0.019	44
13	18.37	0.000	0.000	0.041	0.041	65	23.50	0.000	0.000	0.012	0.012	24	22.56	0.000	0.000	0.018	0.018	35
14	18.35	0.000	0.000	0.024	0.024	38	22.03	0.000	0.000	0.026	0.026	49	22.50	0.000	0.000	0.018	0.018	35
15	18.73	0.000	0.000	0.019	0.019	31	25.84	0.000	0.000	0.019	0.019	42	19.91	0.000	0.000	0.012	0.012	21
16	18.76	0.000	0.000	0.031	0.031	50	21.57	0.000	0.000	0.019	0.019	35	22.53	0.000	0.000	0.011	0.011	21
17	17.78	0.000	0.000	0.027	0.027	41	20.16	0.000	0.000	0.015	0.015	26	40.05	0.000	0.000	0.017	0.017	59
18	22.50	0.000	0.000	0.013	0.013	25	23.32	0.000	0.000	0.012	0.012	24	23.32	0.000	0.000	0.019	0.019	37
19	22.29	0.000	0.000	0.018	0.018	35	22.03	0.000	0.000	0.019	0.019	36	23.00	0.000	0.000	0.018	0.018	36
20	18.71	0.000	0.000	0.028	0.028	45	22.10	0.000	0.000	0.019	0.019	36	11.17	0.000	0.000	0.022	0.022	21
21	18.29	0.000	0.000	0.014	0.014	22	17.21	0.000	0.000	0.015	0.015	23	11.22	0.000	0.000	0.036	0.036	35
22	17.31	0.000	0.000	0.028	0.028	42	19.50	0.000	0.000	0.014	0.014	24	11.18	0.000	0.000	0.025	0.025	24
23	17.52	0.000	0.000	0.034	0.034	51	29.27	0.000	0.000	0.023	0.023	58	11.40	0.000	0.000	0.029	0.029	29
24	16.64	0.000	0.000	0.025	0.025	36	30.59	0.000	0.000	0.016	0.016	42	11.42	0.000	0.000	0.029	0.029	29
25	19.03	0.000	0.000	0.025	0.025	41	25.93	0.000	0.000	0.012	0.012	27	12.05	0.000	0.000	0.025	0.025	26
26	19.18	0.000	0.000	0.026	0.026	43	23.42	0.000	0.000	0.012	0.012	24	11.55	0.000	0.000	0.030	0.030	30
27	18.84	0.000	0.000	0.019	0.019	31	22.29	0.000	0.000	0.020	0.020	39	39.98	0.000	0.000	0.023	0.023	79
28	18.18	0.000	0.000	0.020	0.020	31	30.25	0.000	0.000	0.017	0.017	44	39.81	0.000	0.000	0.023	0.023	79
29	21.53	0.000	0.000	0.034	0.034	63	29.79	0.000	0.000	0.011	0.011	28	40.74	0.000	0.000	0.025	0.025	88
30	22.99	0.000	0.000	0.017	0.017	34	30.20	0.000	0.000	0.017	0.017	44	39.98	0.000	0.000	0.023	0.023	79
31	22.03	0.000	0.000	0.016	0.016	30							38.90	0.000	0.000	0.022	0.022	74
Ten Daily Mean																		
Ten Daily I	16.65	0.000	0.000	0.053	0.053	75	19.75	0.000	0.000	0.020	0.020	33	29.36	0.000	0.000	0.011	0.011	26
Ten Daily II	19.19	0.000	0.000	0.027	0.027	44	22.25	0.000	0.000	0.017	0.017	32	23.47	0.000	0.000	0.017	0.017	35
Ten Daily III	19.23	0.000	0.000	0.023	0.023	39	25.84	0.000	0.000	0.016	0.016	35	24.39	0.000	0.000	0.026	0.026	52
Monthly																		
Total						1620						1000						1174

Annual Sediment Load for the period: 1972-2019

Station Name : T.Narasipur (CCP00B1)
Local River : Kabini

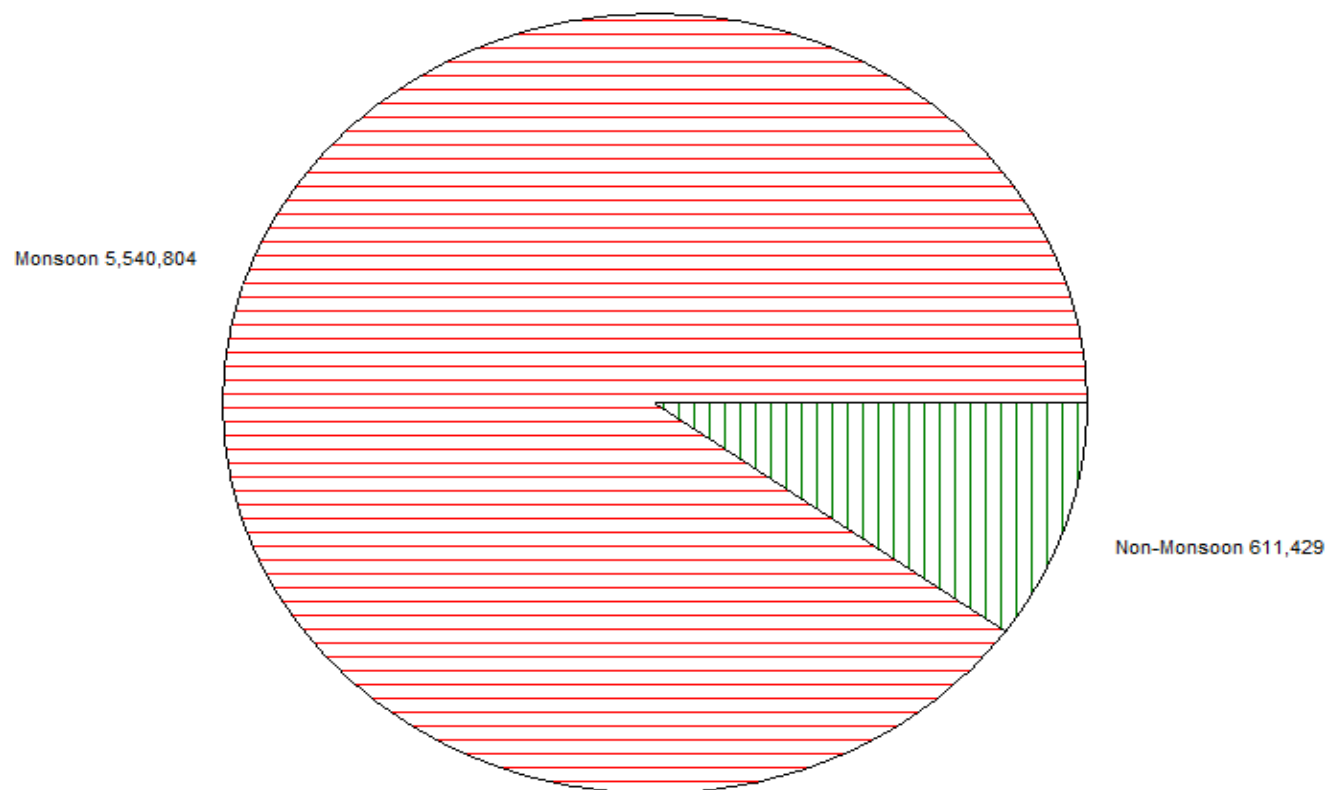
Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Station Name : T.Narasipur (CCP00B1)
Local River : Kabini

Seasonal Sediment Load for the period : 1972-2018

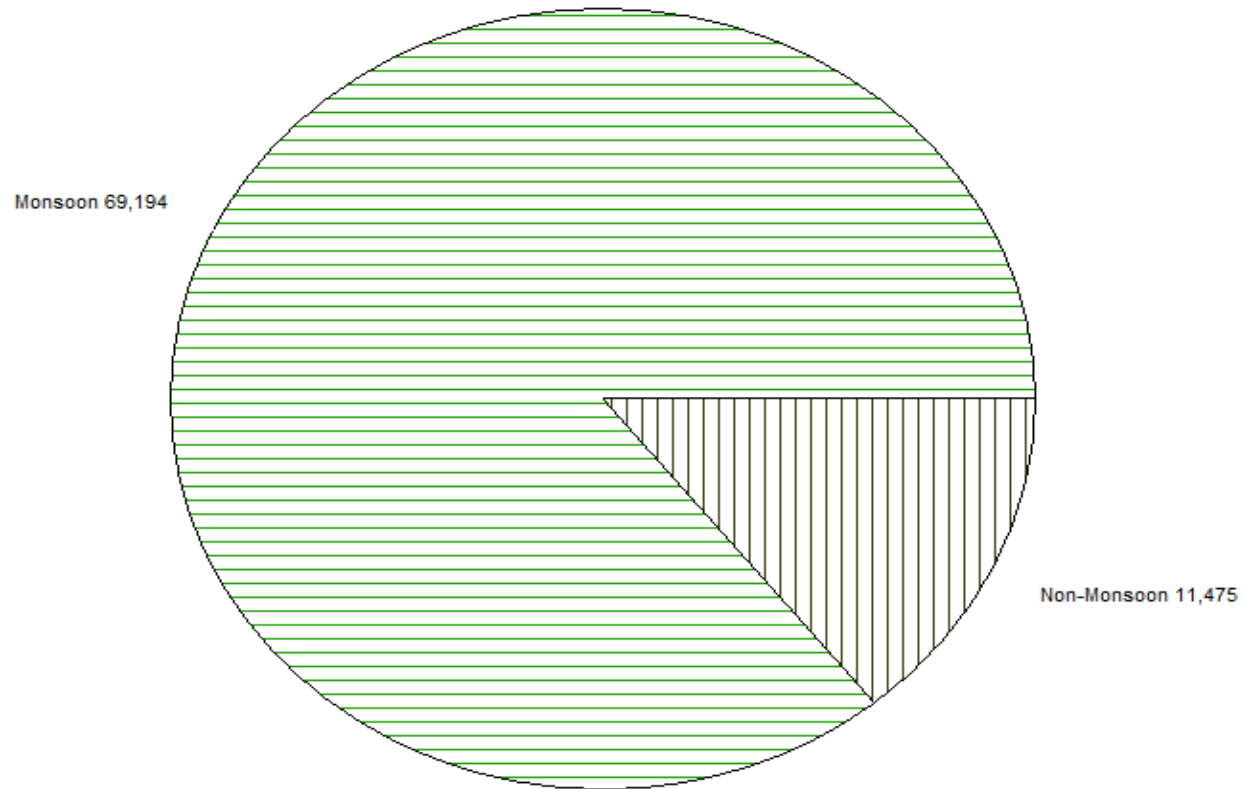
Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Station Name : T.Narasipur (CCP00B1)
Local River : Kabini

Seasonal Sediment Load for the Year: 2018-2019

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



BED MATERIAL ANALYSIS DATA

RIVER : Kabini

CODE NO. : CCP00B1

SITE : T.NARASIPUR

CROSS SECTION : SGL

SL. NO.	DATA FOR SAMPLE COLLECTED										GENERAL DATA OF THE RIVER							
	R.D.NO.	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L. (GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/Sec)	DISCHARGE (m³/Sec)	Bed Material Composition		WETTED PERIMETER (m)	HYDRULIC MEAN DEPTH (m)	MEAN VELOCITY (m/Sec)	SURFACE WATER SLOPE (S)	DISCHARGE (m³/Sec)	Bed Material Composition		
									MAX SIZE (mm)	MEAN SIZE (mm)						MAX SIZE (mm)	MEAN SIZE (mm)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
MONSOON 2018 DATE OF COLLECTION 00-00-0000																		
1																		
2																		
3							Sample not collected											
POSTMONSOON 2019 DATE OF COLLECTION 23-01-2019																		
1	50	-	633.410	634.500	1.09	125.5			4	1.03			0.2096	0.00003				
2	100	-	633.170	634.5	1.33	125.5	0.288	1.297	4	0.96	125.80	1.033			27.25	8	1.023	
3	150	634.950	-	-	-	125.5			8	1.08								
PREMONSOON 2019 DATE OF COLLECTION 20-05-2019																		
1	50	-	633.360	634.380	1.02	125.5			4	0.74								
2	100	-	633.440	634.380	0.94	125.5			4	0.68	125.53	0.914	0.0972	0.00003	11.15	8	0.72	
3	150	634.945	-	-	-	125.5			8	0.74								

Annual Sediment Load for period : 1974-2019

Station Name : MUTHANKERA (CCP00T8)

Division : Cauvery Division, Bangalore

Local River : Kabini

Sub-Division : Upper Cauvery SD, Bangalore

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1974-1975	93961	2553	96514	2301
1975-1976	260818	6916	267734	3070
1976-1977	115282	11248	126530	1758
1977-1978	108816	4984	113800	2075
1978-1979	136591	12143	148734	2861
1979-1980	269289	6937	276226	3530
1980-1981	358124	3234	361358	4563
1981-1982	243338	2437	245776	3116
1982-1983	108119	311	108431	1922
1983-1984	228836	12816	241652	2341
1984-1985	220809	2977	223786	2851
1985-1986	147604	4551	152155	2251
1986-1987	148014	2038	150052	1987
1987-1988	64308	6297	70605	1270
1988-1989	126930	2085	129016	2011
1989-1990	147148	2220	149369	2002
1990-1991	134379	2313	136692	2299
1991-1992	207595	2749	210344	2605
1992-1993	295351	8188	303539	3352
1993-1994	159723	5598	165321	2196
1994-1995	322343	5914	328258	3473
1995-1996	162219	1863	164082	2206
1996-1997	170189	12821	183010	2587
1997-1998	236377	9866	246243	2536
1998-1999	147064	3992	151056	2564
1999-2000	105359	1980	107339	2215
2000-2001	105983	6950	112932	2387
2001-2002	102408	2745	105153	2159
2002-2003	110350	1824	112174	1633
2003-2004	68841	7925	76766	1468
2004-2005	173337	1578	174915	2531
2005-2006	252505	33590	286095	3194
2006-2007	Sediment Observation not done			2963
2007-2008	Sediment Observation not done			3664
2008-2009	181063	3147	184210	1834
2009-2010	160793	10265	171058	2354
2010-2011	105474	8052	113526	1838
2011-2012	151262	2183	153445	2512
2012-2013	68854	1051	69905	1354
2013-2014	128889	4354	133243	3141
2014-2015	168673	6590	175263	3034
2015-2016	56248	824	57072	1769
2016-2017	14841	139	14979	1253

Annual Sediment Load for period : 1974-2019

Station Name : MUTHANKERA (CCP00T8)

Division : Cauvery Division, Bangalore

Local River : Kabini

Sub-Division : Upper Cauvery SD, Bangalore

2017-2018	37475	1177	38653	1633
2018-2019	210481	676	211157	4798

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : MUTHANKERA (CCP00T8)

Local River : Kabini

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	27.65	0.000	0.000	0.004	0.004	10	155.8	0.000	0.000	0.012	0.012	162	482.0	0.000	0.000	0.025	0.025	1041
2	15.66	0.000	0.000	0.003	0.003	4	125.4	0.000	0.000	0.011	0.011	119	424.4	0.000	0.000	0.020	0.020	733
3	20.98	0.000	0.000	0.004	0.004	7	117.8	0.000	0.000	0.010	0.010	102	335.5	0.000	0.000	0.021	0.021	609
4	13.85	0.000	0.000	0.003	0.003	4	91.03	0.000	0.000	0.007	0.007	55	273.4	0.000	0.000	0.019	0.019	449
5	35.17	0.000	0.000	0.004	0.004	12	86.01	0.000	0.000	0.006	0.006	45	211.2	0.000	0.000	0.015	0.015	281
6	19.39	0.000	0.000	0.004	0.004	7	79.16	0.000	0.000	0.005	0.005	34	155.6	0.000	0.000	0.011	0.011	148
7	15.58	0.000	0.000	0.003	0.003	4	294.2	0.001	0.002	0.016	0.019	483	198.2	0.000	0.000	0.011	0.011	188
8	50.47	0.000	0.000	0.003	0.003	13	645.9	0.000	0.000	0.045	0.045	2511	563.2	0.000	0.001	0.035	0.036	1752
9	230.6	0.004	0.004	0.004	0.012	239	772.8	0.001	0.003	0.050	0.054	3606	1105	0.001	0.002	0.052	0.055	5251
10	440.5	0.000	0.000	0.003	0.003	129	837.2	0.002	0.004	0.068	0.074	5353	2150	0.001	0.002	0.121	0.124	23034
11	506.2	0.004	0.004	0.004	0.012	520	923.9	0.002	0.004	0.081	0.087	6945	1461	0.001	0.002	0.062	0.065	8218
12	654.6	0.004	0.005	0.031	0.040	2262	1031	0.002	0.004	0.091	0.097	8640	920.4	0.001	0.002	0.030	0.033	2624
13	743.0	0.005	0.005	0.042	0.052	3338	957.2	0.001	0.003	0.018	0.022	1819	825.1	0.000	0.001	0.016	0.017	1212
14	806.0	0.006	0.007	0.049	0.062	4317	852.5	0.001	0.002	0.072	0.075	5524	885.8	0.000	0.001	0.040	0.041	3138
15	869.9	0.000	0.000	0.051	0.051	3833	783.8	0.001	0.002	0.044	0.047	3149	1371	0.000	0.001	0.063	0.064	7522
16	701.0	0.003	0.004	0.032	0.039	2362	858.2	0.001	0.002	0.053	0.056	4153	1767	0.000	0.001	0.072	0.073	11191
17	384.0	0.000	0.000	0.004	0.004	126	882.2	0.001	0.002	0.056	0.059	4497	2006	0.000	0.002	0.100	0.102	17713
18	199.5	0.000	0.002	0.017	0.019	327	872.3	0.001	0.002	0.055	0.058	4371	1732	0.001	0.002	0.073	0.076	11298
19	182.3	0.000	0.000	0.016	0.016	252	850.4	0.001	0.002	0.054	0.057	4188	1230	0.001	0.002	0.073	0.076	8024
20	224.2	0.000	0.000	0.015	0.015	291	753.7	0.001	0.001	0.042	0.044	2865	927.9	0.001	0.003	0.040	0.044	3527
21	217.7	0.000	0.000	0.015	0.015	282	683.0	0.000	0.001	0.036	0.037	2183	635.7	0.000	0.001	0.010	0.011	604
22	260.4	0.000	0.000	0.018	0.018	405	620.5	0.000	0.001	0.035	0.036	1903	459.1	0.000	0.001	0.007	0.008	297
23	161.5	0.000	0.000	0.013	0.013	181	600.2	0.000	0.001	0.033	0.034	1763	354.8	0.000	0.000	0.008	0.008	245
24	121.6	0.000	0.000	0.012	0.012	126	557.4	0.000	0.001	0.023	0.024	1156	270.7	0.000	0.000	0.006	0.006	140
25	113.4	0.000	0.000	0.010	0.010	98	619.6	0.000	0.001	0.036	0.037	1981	231.3	0.000	0.000	0.006	0.006	110
26	152.4	0.000	0.000	0.011	0.011	145	625.6	0.000	0.001	0.034	0.035	1892	206.8	0.000	0.000	0.005	0.005	91
27	156.3	0.000	0.000	0.010	0.010	135	571.0	0.000	0.001	0.030	0.031	1529	194.1	0.000	0.000	0.007	0.007	117
28	497.2	0.003	0.004	0.040	0.047	2019	411.9	0.000	0.001	0.025	0.026	925	210.2	0.000	0.000	0.007	0.007	127
29	447.6	0.001	0.004	0.034	0.039	1508	358.4	0.000	0.000	0.025	0.025	777	290.1	0.000	0.000	0.009	0.009	226
30	263.9	0.000	0.000	0.015	0.015	342	305.4	0.000	0.000	0.025	0.025	660	259.5	0.000	0.000	0.007	0.007	157
31							288.5	0.000	0.000	0.021	0.021	524	193.8	0.000	0.000	0.007	0.007	117
Ten Daily Mean																		
Ten Daily I	86.98	0.000	0.000	0.004	0.004	43	320.5	0.000	0.001	0.023	0.024	1247	589.9	0.000	0.001	0.033	0.034	3349
Ten Daily II	527.1	0.002	0.003	0.026	0.031	1763	876.5	0.001	0.002	0.057	0.060	4615	1313	0.001	0.002	0.057	0.059	7447
Ten Daily III	239.2	0.000	0.001	0.018	0.019	524	512.8	0.000	0.001	0.029	0.030	1390	300.6	0.000	0.000	0.007	0.007	203
Monthly																		
Total						23300						73912						110186

Annual Sediment Load (Metric Tonnes) : 211157

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : MUTHANKERA (CCP00T8)

Local River : Kabini

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	170.5	0.000	0.000	0.006	0.006	88	57.07	0.000	0.000	0.005	0.005	25	35.05	0.000	0.000	0.006	0.006	18
2	153.9	0.000	0.000	0.005	0.005	69	63.65	0.000	0.000	0.007	0.007	36	36.67	0.000	0.000	0.006	0.006	19
3	133.5	0.000	0.000	0.006	0.006	69	52.35	0.000	0.000	0.005	0.005	23	35.97	0.000	0.000	0.006	0.006	19
4	125.7	0.000	0.000	0.006	0.006	65	82.74	0.000	0.000	0.006	0.006	43	34.73	0.000	0.000	0.007	0.007	20
5	119.7	0.000	0.000	0.006	0.006	62	85.91	0.000	0.000	0.006	0.006	45	34.28	0.000	0.000	0.006	0.006	18
6	114.5	0.000	0.000	0.006	0.006	59	178.1	0.000	0.000	0.007	0.007	108	32.84	0.000	0.000	0.006	0.006	16
7	111.7	0.000	0.000	0.006	0.006	58	130.2	0.000	0.000	0.007	0.007	79	30.78	0.000	0.000	0.005	0.005	13
8	100.7	0.000	0.000	0.006	0.006	52	101.2	0.000	0.000	0.006	0.006	52	27.74	0.000	0.000	0.005	0.005	12
9	94.23	0.000	0.000	0.007	0.007	53	129.4	0.000	0.000	0.007	0.007	78	26.80	0.000	0.000	0.005	0.005	12
10	89.61	0.000	0.000	0.006	0.006	46	122.2	0.000	0.000	0.007	0.007	74	25.23	0.000	0.000	0.005	0.005	11
11	87.35	0.000	0.000	0.006	0.006	45	87.29	0.000	0.000	0.006	0.006	45	21.75	0.000	0.000	0.005	0.005	9
12	88.13	0.000	0.000	0.009	0.009	69	58.56	0.000	0.000	0.006	0.006	30	24.17	0.000	0.000	0.004	0.004	8
13	81.09	0.000	0.000	0.007	0.007	49	53.75	0.000	0.000	0.006	0.006	28	23.90	0.000	0.000	0.005	0.005	10
14	69.01	0.000	0.000	0.006	0.006	36	91.22	0.000	0.000	0.007	0.007	54	24.26	0.000	0.000	0.004	0.004	8
15	72.01	0.000	0.000	0.005	0.005	31	78.76	0.000	0.000	0.007	0.007	48	21.43	0.000	0.000	0.004	0.004	7
16	70.12	0.000	0.000	0.006	0.006	33	61.46	0.000	0.000	0.006	0.006	32	21.06	0.000	0.000	0.004	0.004	7
17	64.33	0.000	0.000	0.006	0.006	33	211.2	0.000	0.000	0.008	0.008	146	21.84	0.000	0.000	0.005	0.005	9
18	61.01	0.000	0.000	0.005	0.005	26	105.0	0.000	0.000	0.006	0.006	54	21.75	0.000	0.000	0.005	0.005	10
19	50.50	0.000	0.000	0.005	0.005	22	89.73	0.000	0.000	0.007	0.007	54	33.22	0.000	0.000	0.005	0.005	14
20	47.71	0.000	0.000	0.006	0.006	23	73.27	0.000	0.000	0.006	0.006	38	29.21	0.000	0.000	0.006	0.006	14
21	47.71	0.000	0.000	0.005	0.005	21	133.7	0.000	0.000	0.008	0.008	87	22.58	0.000	0.000	0.006	0.006	12
22	46.41	0.000	0.000	0.005	0.005	20	58.78	0.000	0.000	0.006	0.006	30	21.75	0.000	0.000	0.004	0.004	8
23	48.20	0.000	0.000	0.006	0.006	24	58.06	0.000	0.000	0.006	0.006	30	22.53	0.000	0.000	0.006	0.006	12
24	88.55	0.000	0.000	0.005	0.005	38	45.34	0.000	0.000	0.006	0.006	24	67.95	0.000	0.000	0.005	0.005	29
25	64.17	0.000	0.000	0.005	0.005	28	42.45	0.000	0.000	0.005	0.005	18	29.21	0.000	0.000	0.006	0.006	14
26	72.62	0.000	0.000	0.006	0.006	38	37.07	0.000	0.000	0.006	0.006	19	27.59	0.000	0.000	0.005	0.005	12
27	52.60	0.000	0.000	0.005	0.005	23	41.65	0.000	0.000	0.006	0.006	22	22.53	0.000	0.000	0.005	0.005	10
28	63.03	0.000	0.000	0.006	0.006	33	38.66	0.000	0.000	0.006	0.006	19	20.84	0.000	0.000	0.004	0.004	7
29	95.07	0.000	0.000	0.006	0.006	49	36.52	0.000	0.000	0.005	0.005	16	19.48	0.000	0.000	0.004	0.004	7
30	97.28	0.000	0.000	0.007	0.007	55	35.47	0.000	0.000	0.006	0.006	18	19.48	0.000	0.000	0.005	0.005	8
31							35.31	0.000	0.000	0.006	0.006	18						
Ten Daily Mean																		
Ten Daily I	121.4	0.000	0.000	0.006	0.006	62	100.3	0.000	0.000	0.006	0.006	56	32.01	0.000	0.000	0.006	0.006	16
Ten Daily II	69.13	0.000	0.000	0.006	0.006	37	91.02	0.000	0.000	0.006	0.006	53	24.26	0.000	0.000	0.005	0.005	10
Ten Daily III	67.56	0.000	0.000	0.006	0.006	33	51.18	0.000	0.000	0.006	0.006	27	27.39	0.000	0.000	0.005	0.005	12
Monthly																		
Total						1318						1392						374

Annual Sediment Load (Metric Tonnes) : 211157

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : MUTHANKERA (CCP00T8)

Local River : Kabini

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	18.93	0.000	0.000	0.005	0.005	8	12.60	0.000	0.000	0.006	0.006	7	3.701	0.000	0.000	0.008	0.008	3
2	20.84	0.000	0.000	0.006	0.006	10	11.30	0.000	0.000	0.005	0.005	5	1.958	0.000	0.000	0.006	0.006	1
3	18.37	0.000	0.000	0.005	0.005	8	11.30	0.000	0.000	0.005	0.005	5	2.355	0.000	0.000	0.008	0.008	2
4	18.09	0.000	0.000	0.005	0.005	8	10.51	0.000	0.000	0.005	0.005	5	2.054	0.000	0.000	0.007	0.007	1
5	18.22	0.000	0.000	0.005	0.005	8	10.42	0.000	0.000	0.005	0.005	4	1.775	0.000	0.000	0.005	0.005	1
6	17.47	0.000	0.000	0.005	0.005	8	9.483	0.000	0.000	0.005	0.005	4	1.771	0.000	0.000	0.005	0.005	1
7	17.91	0.000	0.000	0.004	0.004	6	10.07	0.000	0.000	0.005	0.005	5	3.739	0.000	0.000	0.007	0.007	2
8	16.54	0.000	0.000	0.005	0.005	7	9.944	0.000	0.000	0.005	0.005	4	4.029	0.000	0.000	0.006	0.006	2
9	16.86	0.000	0.000	0.006	0.006	8	10.02	0.000	0.000	0.005	0.005	4	3.508	0.000	0.000	0.006	0.006	2
10	15.73	0.000	0.000	0.005	0.005	7	9.556	0.000	0.000	0.005	0.005	4	3.024	0.000	0.000	0.006	0.006	2
11	15.60	0.000	0.000	0.004	0.004	5	9.444	0.000	0.000	0.006	0.006	5	3.321	0.000	0.000	0.005	0.005	1
12	14.82	0.000	0.000	0.005	0.005	6	8.551	0.000	0.000	0.007	0.007	5	2.784	0.000	0.000	0.006	0.006	1
13	14.90	0.000	0.000	0.005	0.005	6	7.808	0.000	0.000	0.005	0.005	3	2.346	0.000	0.000	0.006	0.006	1
14	14.48	0.000	0.000	0.006	0.006	8	8.495	0.000	0.000	0.007	0.007	5	1.818	0.000	0.000	0.006	0.006	1
15	12.72	0.000	0.000	0.006	0.006	7	8.478	0.000	0.000	0.005	0.005	4	2.164	0.000	0.000	0.005	0.005	1
16	13.95	0.000	0.000	0.006	0.006	7	8.231	0.000	0.000	0.006	0.006	4	1.876	0.000	0.000	0.005	0.005	1
17	13.58	0.000	0.000	0.006	0.006	7	7.953	0.000	0.000	0.005	0.005	3	5.668	0.000	0.000	0.007	0.007	3
18	13.31	0.000	0.000	0.006	0.006	7	7.892	0.000	0.000	0.005	0.005	3	4.810	0.000	0.000	0.005	0.005	2
19	12.47	0.000	0.000	0.007	0.007	8	6.650	0.000	0.000	0.006	0.006	3	5.090	0.000	0.000	0.006	0.006	3
20	12.74	0.000	0.000	0.006	0.006	7	6.287	0.000	0.000	0.006	0.006	3	4.670	0.000	0.000	0.005	0.005	2
21	12.81	0.000	0.000	0.006	0.006	7	6.052	0.000	0.000	0.007	0.007	4	4.028	0.000	0.000	0.005	0.005	2
22	12.66	0.000	0.000	0.006	0.006	7	5.368	0.000	0.000	0.007	0.007	3	4.076	0.000	0.000	0.005	0.005	2
23	12.60	0.000	0.000	0.006	0.006	7	5.346	0.000	0.000	0.007	0.007	3	4.021	0.000	0.000	0.005	0.005	2
24	12.43	0.000	0.000	0.006	0.006	6	5.215	0.000	0.000	0.007	0.007	3	3.927	0.000	0.000	0.005	0.005	2
25	21.68	0.000	0.000	0.006	0.006	10	4.767	0.000	0.000	0.008	0.008	3	3.378	0.000	0.000	0.005	0.005	1
26	16.53	0.000	0.000	0.006	0.006	9	4.914	0.000	0.000	0.008	0.008	3	3.314	0.000	0.000	0.006	0.006	2
27	14.58	0.000	0.000	0.060	0.060	76	4.914	0.000	0.000	0.008	0.008	3	3.574	0.000	0.000	0.005	0.005	2
28	13.95	0.000	0.000	0.006	0.006	7	3.957	0.000	0.000	0.007	0.007	2	3.196	0.000	0.000	0.006	0.006	2
29	13.95	0.000	0.000	0.006	0.006	7	2.892	0.000	0.000	0.007	0.007	2						
30	13.95	0.000	0.000	0.006	0.006	7	2.964	0.000	0.000	0.007	0.007	2						
31	12.81	0.000	0.000	0.000	0.000	0	3.701	0.000	0.000	0.007	0.007	2						
Ten Daily Mean																		
Ten Daily I	17.89	0.000	0.000	0.005	0.005	8	10.52	0.000	0.000	0.005	0.005	5	2.791	0.000	0.000	0.006	0.006	2
Ten Daily II	13.86	0.000	0.000	0.006	0.006	7	7.979	0.000	0.000	0.006	0.006	4	3.455	0.000	0.000	0.006	0.006	2
Ten Daily III	14.36	0.000	0.000	0.010	0.010	13	4.554	0.000	0.000	0.007	0.007	3	3.689	0.000	0.000	0.005	0.005	2
Monthly																		
Total						288						119						46

Annual Sediment Load (Metric Tonnes) : 211157

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : MUTHANKERA (CCP00T8)

Local River : Kabini

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

070

Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	3.175	0.000	0.000	0.006	0.006	2	2.744	0.000	0.000	0.008	0.008	2	2.408	0.000	0.000	0.007	0.007	1
2	2.379	0.000	0.000	0.006	0.006	1	2.359	0.000	0.000	0.007	0.007	1	2.413	0.000	0.000	0.007	0.007	1
3	3.733	0.000	0.000	0.006	0.006	2	2.266	0.000	0.000	0.007	0.007	1	2.274	0.000	0.000	0.006	0.006	1
4	4.590	0.000	0.000	0.000	0.000	0	2.735	0.000	0.000	0.007	0.007	2	2.123	0.000	0.000	0.006	0.006	1
5	4.509	0.000	0.000	0.006	0.006	2	2.648	0.000	0.000	0.007	0.007	2	1.682	0.000	0.000	0.006	0.006	1
6	4.235	0.000	0.000	0.006	0.006	2	2.405	0.000	0.000	0.007	0.007	1	4.419	0.000	0.000	0.005	0.005	2
7	4.003	0.000	0.000	0.006	0.006	2	2.517	0.000	0.000	0.008	0.008	2	3.734	0.000	0.000	0.006	0.006	2
8	3.772	0.000	0.000	0.006	0.006	2	2.277	0.000	0.000	0.008	0.008	2	4.187	0.000	0.000	0.005	0.005	2
9	3.600	0.000	0.000	0.007	0.007	2	2.156	0.000	0.000	0.007	0.007	1	4.496	0.000	0.000	0.005	0.005	2
10	3.182	0.000	0.000	0.007	0.007	2	2.691	0.000	0.000	0.007	0.007	2	5.078	0.000	0.000	0.050	0.050	22
11	3.870	0.000	0.000	0.007	0.007	2	3.710	0.000	0.000	0.007	0.007	2	4.284	0.000	0.000	0.006	0.006	2
12	3.449	0.000	0.000	0.007	0.007	2	4.358	0.000	0.000	0.006	0.006	2	5.717	0.000	0.000	0.005	0.005	2
13	3.013	0.000	0.000	0.007	0.007	2	3.636	0.000	0.000	0.006	0.006	2	6.948	0.000	0.000	0.006	0.006	4
14	2.730	0.000	0.000	0.008	0.008	2	3.182	0.000	0.000	0.007	0.007	2	4.891	0.000	0.000	0.006	0.006	3
15	2.628	0.000	0.000	0.008	0.008	2	3.008	0.000	0.000	0.006	0.006	2	5.226	0.000	0.000	0.005	0.005	2
16	2.564	0.000	0.000	0.009	0.009	2	2.741	0.000	0.000	0.070	0.070	17	4.943	0.000	0.000	0.005	0.005	2
17	2.676	0.000	0.000	0.008	0.008	2	2.676	0.000	0.000	0.008	0.008	2	2.484	0.000	0.000	0.007	0.007	2
18	2.498	0.000	0.000	0.008	0.008	2	11.54	0.000	0.000	0.005	0.005	5	2.756	0.000	0.000	0.008	0.008	2
19	2.379	0.000	0.000	0.009	0.009	2	5.690	0.000	0.000	0.007	0.007	3	1.796	0.000	0.000	0.006	0.006	1
20	2.302	0.000	0.000	0.008	0.008	2	11.18	0.000	0.000	0.005	0.005	5	2.364	0.000	0.000	0.006	0.006	1
21	3.795	0.000	0.000	0.007	0.007	2	18.53	0.000	0.000	0.005	0.005	8	2.724	0.000	0.000	0.008	0.008	2
22	3.667	0.000	0.000	0.007	0.007	2	10.84	0.000	0.000	0.005	0.005	5	4.335	0.000	0.000	0.006	0.006	2
23	3.670	0.000	0.000	0.007	0.007	2	6.888	0.000	0.000	0.006	0.006	4	4.375	0.000	0.000	0.006	0.006	2
24	3.182	0.000	0.000	0.007	0.007	2	10.45	0.000	0.000	0.005	0.005	5	6.842	0.000	0.000	0.006	0.006	4
25	2.903	0.000	0.000	0.007	0.007	2	4.862	0.000	0.000	0.007	0.007	3	5.938	0.000	0.000	0.006	0.006	3
26	2.610	0.000	0.000	0.007	0.007	2	3.554	0.000	0.000	0.007	0.007	2	4.788	0.000	0.000	0.007	0.007	3
27	2.607	0.000	0.000	0.007	0.007	2	3.209	0.000	0.000	0.006	0.006	2	2.808	0.000	0.000	0.006	0.006	1
28	2.468	0.000	0.000	0.006	0.006	1	2.597	0.000	0.000	0.008	0.008	2	4.318	0.000	0.000	0.006	0.006	2
29	2.338	0.000	0.000	0.007	0.007	1	2.318	0.000	0.000	0.007	0.007	1	3.543	0.000	0.000	0.006	0.006	2
30	2.346	0.000	0.000	0.007	0.007	1	2.266	0.000	0.000	0.007	0.007	1	2.799	0.000	0.000	0.006	0.006	1
31	2.215	0.000	0.000	0.007	0.007	1							2.558	0.000	0.000	0.006	0.006	1
Ten Daily Mean																		
Ten Daily I	3.718	0.000	0.000	0.006	0.006	2	2.480	0.000	0.000	0.007	0.007	2	3.281	0.000	0.000	0.010	0.010	4
Ten Daily II	2.811	0.000	0.000	0.008	0.008	2	5.171	0.000	0.000	0.013	0.013	4	4.141	0.000	0.000	0.006	0.006	2
Ten Daily III	2.891	0.000	0.000	0.007	0.007	2	6.551	0.000	0.000	0.006	0.006	3	4.093	0.000	0.000	0.006	0.006	2
Monthly																		
Total						55						89						80

Annual Sediment Load (Metric Tonnes) : 211157

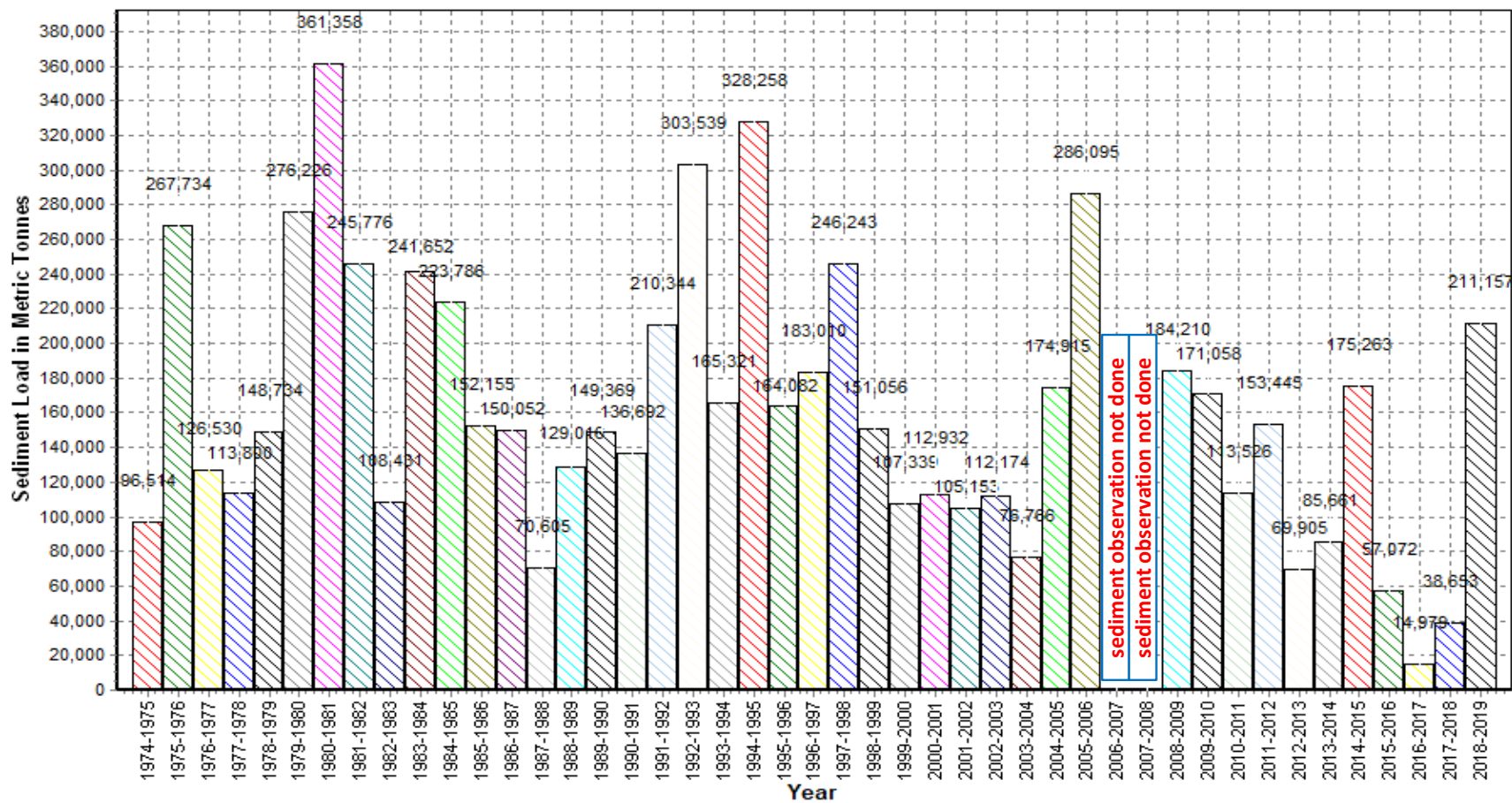
Annual Sediment Load for the period: 1974-2019

Station Name : MUTHANKERA (CCP00T8)

Local River : Kabini

Division : Cauvery Division, Bangalore

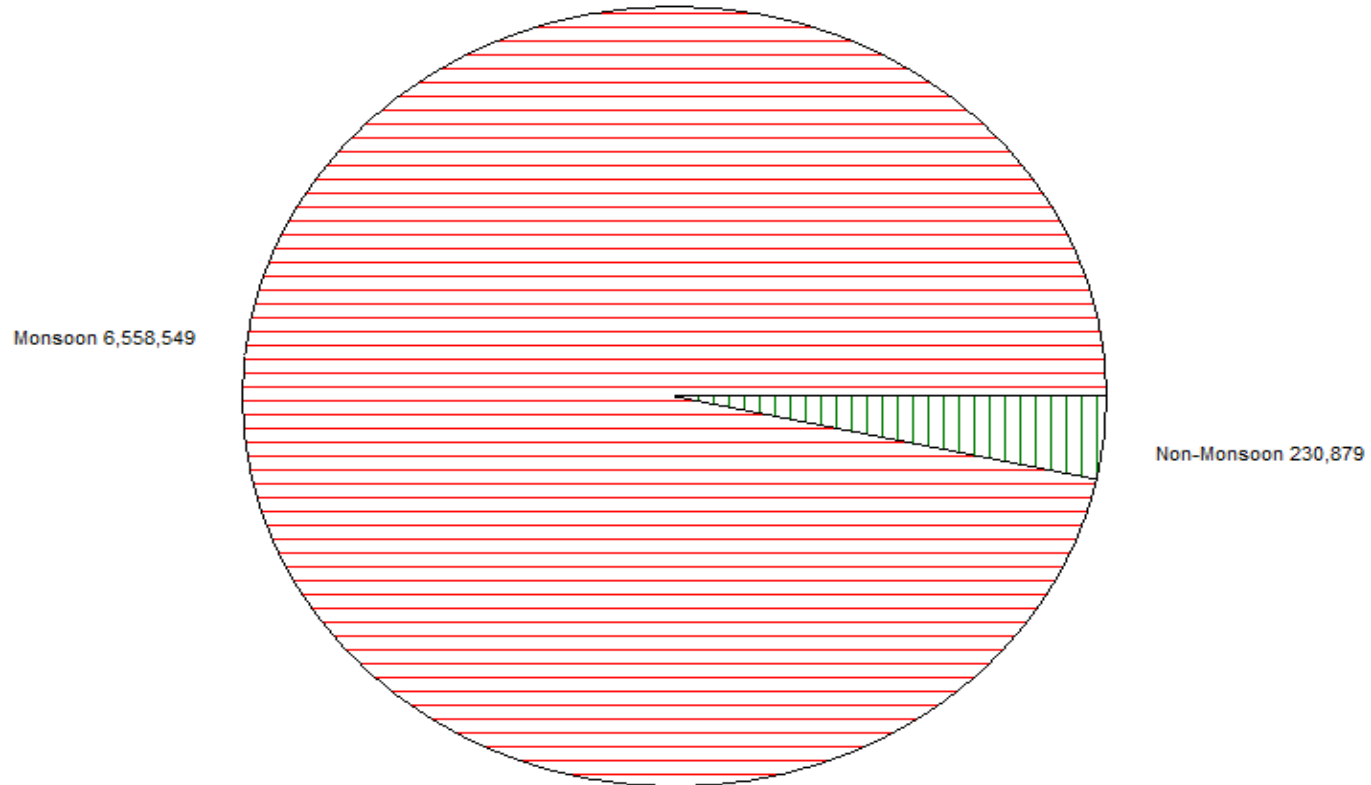
Sub-Division : Upper Cauvery SD, Bangalore



Station Name : MUTHANKERA (CCP00T8)
Local River : Kabini

Seasonal Sediment Load for the period : 1974-2018

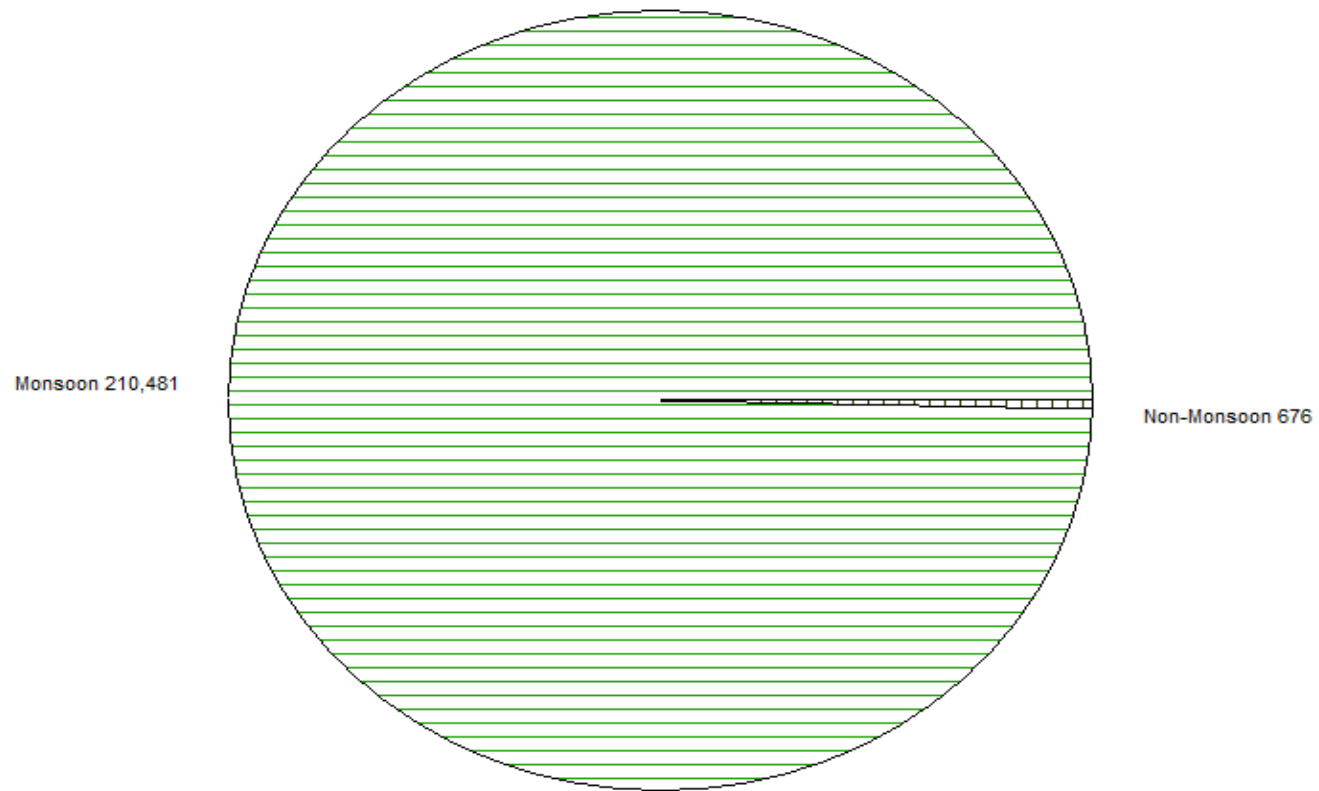
Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Station Name : MUTHANKERA (CCP00T8)
Local River : Kabini

Seasonal Sediment Load for the Year: 2018-2019

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



BED MATERIAL ANALYSIS DATA

RIVER : Kabini
SITE : Muthankera

CODE NO. : CCPOOT8
CROSS SECTION : SGL

SL. NO.	DATA FOR SAMPLE COLLECTED										GENERAL DATA OF THE RIVER							
	R.D.NO.	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L. (GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/Sec)	DISCHARGE (m³/Sec)	Bed Material Composition		WETTED PERIMETER (m)	HYDRAULIC MEAN DEPTH (m)	MEAN VELOCITY (m/Sec)	SURFACE WATER SLOPE (S)	DISCHARGE (m³/Sec)	Bed Material Composition		
									MAX SIZE (mm)	MEAN SIZE (mm)						MAX SIZE (mm)	MEAN SIZE (mm)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
MONSOON 2018 DATE OF COLLECTION 00-00-0000																		
1																		
2								Sample not collected										
3																		
POSTMONSOON 2018 DATE OF COLLECTION																		
1																		
2								Sample not collected										
3																		
PREMONSOON 2019 DATE OF COLLECTION 31-05-2019																		
1	35	-	706.030	-	1.39	77.50	-	-	-	0.03								
2	65	-	705.790	-	1.65	77.50	-	-	-	0.26	78.40	1.5556	0.0187	0.00003	2.259	-	0.243	
3	90	-	705.510	-	1.90	77.50	-	-	-	0.44								

Annual Sediment Load for period : 2014-2019

Station Name : Akkihebbal (CCR00B7)

Division : Cauvery Division, Bangalore

Local River : Hemavathi

Sub-Division : Upper Cauvery SD, Bangalore

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
2013-2014	0	663	663	1324
2014-2015	50064	3050	53114	953
2015-2016	18765	1128	19894	535
2016-2017	18103	959	19062	447
2017-2018	1232	1028	2260	276
2018-2019	413834	1548	415382	1764

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Akkihebbal (CCR00B7)

Local River : Hemavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	1.034	0.000	0.000	0.029	0.029	3	19.58	0.000	0.000	0.039	0.039	67	76.70	0.000	0.000	0.002	0.002	15
2	1.547	0.000	0.000	0.027	0.027	4	20.37	0.000	0.000	0.040	0.040	70	75.82	0.000	0.000	0.006	0.006	41
3	19.64	0.000	0.000	0.034	0.034	58	3.356	0.000	0.000	0.031	0.031	9	75.17	0.000	0.000	0.009	0.009	59
4	3.191	0.000	0.000	0.028	0.028	8	24.68	0.000	0.000	0.019	0.019	41	56.16	0.000	0.000	0.006	0.006	30
5	6.105	0.000	0.000	0.023	0.023	12	2.581	0.000	0.000	0.020	0.020	5	70.35	0.000	0.000	0.008	0.008	46
6	6.083	0.000	0.000	0.024	0.024	12	4.100	0.000	0.000	0.037	0.037	13	87.40	0.000	0.000	0.010	0.010	73
7	6.259	0.000	0.000	0.025	0.025	14	1.342	0.000	0.000	0.025	0.025	3	24.80	0.000	0.000	0.007	0.007	15
8	6.416	0.000	0.000	0.028	0.028	16	1.342	0.000	0.000	0.025	0.025	3	56.11	0.000	0.000	0.005	0.005	24
9	1.951	0.000	0.000	0.025	0.025	4	1.175	0.000	0.000	0.035	0.035	4	67.88	0.000	0.000	0.005	0.005	26
10	6.284	0.000	0.000	0.025	0.025	14	6.547	0.000	0.000	0.033	0.033	18	329.6	0.000	0.000	0.006	0.006	157
11	20.13	0.000	0.000	0.034	0.034	60	14.51	0.000	0.000	0.026	0.026	32	257.4	0.000	0.000	0.009	0.009	198
12	6.277	0.000	0.000	0.032	0.032	17	5.915	0.000	0.000	0.027	0.027	14	136.7	0.000	0.000	0.007	0.007	77
13	23.51	0.000	0.000	0.037	0.037	75	23.51	0.000	0.000	0.031	0.031	63	181.8	0.000	0.000	0.006	0.006	93
14	30.86	0.000	0.000	0.030	0.030	81	38.44	0.000	0.000	0.035	0.035	116	966.0	0.000	0.000	0.025	0.025	2103
15	20.81	0.000	0.000	0.040	0.040	71	39.45	0.000	0.000	0.035	0.035	120	1902	0.000	0.000	0.252	0.252	41412
16	19.64	0.000	0.000	0.039	0.039	66	1075	0.000	0.000	1.021	1.021	94830	766.4	0.000	0.000	0.019	0.019	1225
17	18.15	0.000	0.000	0.039	0.039	60	981.2	0.000	0.000	0.954	0.954	80876	906.6	0.000	0.000	0.021	0.021	1661
18	20.66	0.000	0.000	0.036	0.036	64	849.1	0.000	0.000	0.872	0.872	63972	1223	0.000	0.000	0.185	0.185	19570
19	20.42	0.000	0.000	0.029	0.029	52	713.7	0.000	0.000	0.752	0.752	46371	658.8	0.000	0.000	0.018	0.018	996
20	20.80	0.000	0.000	0.035	0.035	62	414.7	0.000	0.000	0.013	0.013	466	540.7	0.000	0.000	0.015	0.015	677
21	20.24	0.000	0.000	0.030	0.030	52	131.0	0.000	0.000	0.016	0.016	178	262.9	0.000	0.000	0.013	0.013	293
22	6.030	0.000	0.000	0.024	0.024	12	117.1	0.000	0.000	0.016	0.016	157	204.6	0.000	0.000	0.013	0.013	230
23	1.743	0.000	0.000	0.032	0.032	5	811.8	0.000	0.000	0.652	0.652	45731	238.0	0.000	0.000	0.013	0.013	267
24	4.769	0.000	0.000	0.031	0.031	13	419.8	0.000	0.000	0.013	0.013	479	236.4	0.000	0.000	0.004	0.004	76
25	1.034	0.000	0.000	0.028	0.028	3	402.9	0.000	0.000	0.016	0.016	546	174.9	0.000	0.000	0.012	0.012	177
26	0.889	0.000	0.000	0.033	0.033	3	366.7	0.000	0.000	0.010	0.010	323	146.0	0.000	0.000	0.009	0.009	107
27	20.03	0.000	0.000	0.038	0.038	66	351.3	0.000	0.000	0.007	0.007	209	81.81	0.000	0.000	0.004	0.004	29
28	6.474	0.000	0.000	0.032	0.032	18	146.9	0.000	0.000	0.006	0.006	80	26.14	0.000	0.000	0.013	0.013	30
29	20.51	0.000	0.000	0.042	0.042	74	87.02	0.000	0.000	0.015	0.015	114	25.85	0.000	0.000	0.006	0.006	13
30	6.530	0.000	0.000	0.029	0.029	17	76.55	0.000	0.000	0.012	0.012	77	15.81	0.000	0.000	0.010	0.010	14
31							50.00	0.000	0.000	0.007	0.007	29	7.673	0.000	0.000	0.005	0.005	3
Ten Daily Mean																		
Ten Daily I	5.851	0.000	0.000	0.027	0.027	14	8.507	0.000	0.000	0.030	0.030	23	91.99	0.000	0.000	0.006	0.006	49
Ten Daily II	20.13	0.000	0.000	0.035	0.035	61	415.6	0.000	0.000	0.377	0.377	28686	753.9	0.000	0.000	0.056	0.056	6801
Ten Daily III	8.825	0.000	0.000	0.032	0.032	26	269.2	0.000	0.000	0.070	0.070	4357	129.1	0.000	0.000	0.009	0.009	113
Monthly																		
Total						1013						335015						69736

Annual Sediment Load (Metric Tonnes) : 415382

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Akkihebbal (CCR00B7)

Local River : Hemavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	17.21	0.000	0.000	0.027	0.027	40	66.16	0.000	0.000	0.036	0.036	203	18.90	0.000	0.000	0.039	0.039	64
2	6.699	0.000	0.000	0.037	0.037	22	37.52	0.000	0.000	0.041	0.041	133	7.680	0.000	0.000	0.034	0.034	23
3	7.709	0.000	0.000	0.030	0.030	20	37.02	0.000	0.000	0.041	0.041	132	28.82	0.000	0.000	0.032	0.032	80
4	7.565	0.000	0.000	0.034	0.034	22	34.24	0.000	0.000	0.048	0.048	141	8.366	0.000	0.000	0.028	0.028	20
5	7.679	0.000	0.000	0.032	0.032	21	51.07	0.000	0.000	0.049	0.049	215	25.76	0.000	0.000	0.003	0.003	6
6	7.555	0.000	0.000	0.038	0.038	25	56.40	0.000	0.000	0.036	0.036	175	33.30	0.000	0.000	0.008	0.008	23
7	5.956	0.000	0.000	0.036	0.036	19	32.92	0.000	0.000	0.024	0.024	68	19.74	0.000	0.000	0.011	0.011	19
8	7.494	0.000	0.000	0.037	0.037	24	36.20	0.000	0.000	0.038	0.038	120	23.13	0.000	0.000	0.003	0.003	5
9	5.572	0.000	0.000	0.032	0.032	15	32.28	0.000	0.000	0.024	0.024	67	7.715	0.000	0.000	0.026	0.026	18
10	25.85	0.000	0.000	0.041	0.041	92	53.65	0.000	0.000	0.036	0.036	165	7.418	0.000	0.000	0.009	0.009	6
11	15.78	0.000	0.000	0.039	0.039	53	52.76	0.000	0.000	0.053	0.053	241	23.13	0.000	0.000	0.003	0.003	5
12	24.49	0.000	0.000	0.047	0.047	99	32.97	0.000	0.000	0.047	0.047	135	7.688	0.000	0.000	0.017	0.017	12
13	4.551	0.000	0.000	0.045	0.045	17	32.10	0.000	0.000	0.032	0.032	90	17.38	0.000	0.000	0.031	0.031	47
14	16.54	0.000	0.000	0.059	0.059	85	30.31	0.000	0.000	0.031	0.031	81	6.605	0.000	0.000	0.022	0.022	12
15	7.530	0.000	0.000	0.040	0.040	26	33.61	0.000	0.000	0.040	0.040	115	6.657	0.000	0.000	0.041	0.041	23
16	5.572	0.000	0.000	0.032	0.032	15	35.19	0.000	0.000	0.044	0.044	133	5.854	0.000	0.000	0.027	0.027	14
17	6.795	0.000	0.000	0.038	0.038	22	84.09	0.000	0.000	0.040	0.040	287	6.607	0.000	0.000	0.028	0.028	16
18	16.81	0.000	0.000	0.048	0.048	70	91.46	0.000	0.000	0.042	0.042	328	5.936	0.000	0.000	0.028	0.028	14
19	5.359	0.000	0.000	0.028	0.028	13	70.35	0.000	0.000	0.042	0.042	256	6.680	0.000	0.000	0.028	0.028	16
20	5.362	0.000	0.000	0.027	0.027	12	103.3	0.000	0.000	0.043	0.043	383	6.698	0.000	0.000	0.027	0.027	16
21	7.096	0.000	0.000	0.034	0.034	21	67.75	0.000	0.000	0.040	0.040	231	25.41	0.000	0.000	0.002	0.002	5
22	5.355	0.000	0.000	0.043	0.043	20	19.82	0.000	0.000	0.037	0.037	63	7.516	0.000	0.000	0.037	0.037	24
23	4.880	0.000	0.000	0.045	0.045	19	34.15	0.000	0.000	0.031	0.031	92	5.936	0.000	0.000	0.028	0.028	14
24	8.381	0.000	0.000	0.046	0.046	34	27.46	0.000	0.000	0.033	0.033	78	6.889	0.000	0.000	0.033	0.033	20
25	35.59	0.000	0.000	0.041	0.041	125	43.93	0.000	0.000	0.042	0.042	158	20.00	0.000	0.000	0.034	0.034	58
26	59.30	0.000	0.000	0.041	0.041	211	12.27	0.000	0.000	0.029	0.029	31	32.11	0.000	0.000	0.034	0.034	95
27	86.27	0.000	0.000	0.049	0.049	364	19.71	0.000	0.000	0.037	0.037	64	17.09	0.000	0.000	0.036	0.036	53
28	85.13	0.000	0.000	0.055	0.055	402	23.13	0.000	0.000	0.036	0.036	71	17.15	0.000	0.000	0.037	0.037	54
29	82.71	0.000	0.000	0.043	0.043	307	7.643	0.000	0.000	0.032	0.032	21	17.20	0.000	0.000	0.036	0.036	54
30	71.66	0.000	0.000	0.041	0.041	254	19.65	0.000	0.000	0.039	0.039	65	21.24	0.000	0.000	0.228	0.228	418
31							10.97	0.000	0.000	0.033	0.033	31						
Ten Daily Mean																		
Ten Daily I	9.928	0.000	0.000	0.034	0.034	30	43.75	0.000	0.000	0.037	0.037	142	18.08	0.000	0.000	0.019	0.019	26
Ten Daily II	10.88	0.000	0.000	0.040	0.040	41	56.61	0.000	0.000	0.041	0.041	205	9.323	0.000	0.000	0.025	0.025	17
Ten Daily III	44.64	0.000	0.000	0.044	0.044	175	26.04	0.000	0.000	0.035	0.035	82	17.05	0.000	0.000	0.050	0.050	80
Monthly																		
Total						2467						4372						1232

Annual Sediment Load (Metric Tonnes) : 415382

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Akkihebbal (CCR00B7)

Local River : Hemavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

678

Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	7.269	0.000	0.000	0.029	0.029	18	3.194	0.000	0.000	0.029	0.029	8	1.939	0.000	0.000	0.029	0.029	5
2	18.12	0.000	0.000	0.038	0.038	59	2.749	0.000	0.000	0.028	0.028	7	1.522	0.000	0.000	0.026	0.026	3
3	17.34	0.000	0.000	0.036	0.036	54	2.579	0.000	0.000	0.028	0.028	6	1.468	0.000	0.000	0.016	0.016	2
4	5.289	0.000	0.000	0.037	0.037	17	16.11	0.000	0.000	0.030	0.030	42	1.913	0.000	0.000	0.019	0.019	3
5	6.484	0.000	0.000	0.031	0.031	17	2.608	0.000	0.000	0.010	0.010	2	1.552	0.000	0.000	0.016	0.016	2
6	5.296	0.000	0.000	0.032	0.032	14	2.147	0.000	0.000	0.010	0.010	2	1.559	0.000	0.000	0.016	0.016	2
7	17.05	0.000	0.000	0.031	0.031	45	7.119	0.000	0.000	0.020	0.020	12	1.569	0.000	0.000	0.015	0.015	2
8	6.927	0.000	0.000	0.038	0.038	23	2.442	0.000	0.000	0.023	0.023	5	0.968	0.000	0.000	0.016	0.016	1
9	17.54	0.000	0.000	0.026	0.026	40	2.566	0.000	0.000	0.026	0.026	6	0.923	0.000	0.000	0.015	0.015	1
10	17.64	0.000	0.000	0.026	0.026	40	5.286	0.000	0.000	0.016	0.016	7	0.923	0.000	0.000	0.015	0.015	1
11	17.48	0.000	0.000	0.025	0.025	38	2.658	0.000	0.000	0.029	0.029	7	1.545	0.000	0.000	0.025	0.025	3
12	17.09	0.000	0.000	0.036	0.036	53	6.587	0.000	0.000	0.025	0.025	14	1.539	0.000	0.000	0.032	0.032	4
13	17.26	0.000	0.000	0.036	0.036	53	2.147	0.000	0.000	0.010	0.010	2	1.925	0.000	0.000	0.030	0.030	5
14	17.29	0.000	0.000	0.034	0.034	51	2.526	0.000	0.000	0.023	0.023	5	1.890	0.000	0.000	0.027	0.027	4
15	17.17	0.000	0.000	0.030	0.030	44	4.190	0.000	0.000	0.027	0.027	10	1.516	0.000	0.000	0.020	0.020	3
16	18.12	0.000	0.000	0.035	0.035	55	2.197	0.000	0.000	0.029	0.029	6	0.972	0.000	0.000	0.022	0.022	2
17	17.29	0.000	0.000	0.030	0.030	45	2.175	0.000	0.000	0.026	0.026	5	1.178	0.000	0.000	0.029	0.029	3
18	17.18	0.000	0.000	0.028	0.028	42	2.162	0.000	0.000	0.025	0.025	5	1.558	0.000	0.000	0.032	0.032	4
19	17.19	0.000	0.000	0.037	0.037	55	2.138	0.000	0.000	0.024	0.024	4	1.633	0.000	0.000	0.029	0.029	4
20	17.12	0.000	0.000	0.032	0.032	47	3.194	0.000	0.000	0.029	0.029	8	0.963	0.000	0.000	0.022	0.022	2
21	24.42	0.000	0.000	0.029	0.029	60	2.200	0.000	0.000	0.033	0.033	6	0.668	0.000	0.000	0.028	0.028	2
22	24.30	0.000	0.000	0.025	0.025	52	2.666	0.000	0.000	0.026	0.026	6	0.618	0.000	0.000	0.019	0.019	1
23	19.91	0.000	0.000	0.025	0.025	42	2.633	0.000	0.000	0.016	0.016	4	0.613	0.000	0.000	0.035	0.035	2
24	16.03	0.000	0.000	0.031	0.031	43	2.086	0.000	0.000	0.018	0.018	3	0.284	0.000	0.000	0.052	0.052	1
25	5.000	0.000	0.000	0.030	0.030	13	1.101	0.000	0.000	0.003	0.003	0	0.224	0.000	0.000	0.090	0.090	2
26	17.48	0.000	0.000	0.044	0.044	66	1.178	0.000	0.000	0.005	0.005	0	0.000	0.000	0.000	0.000	0.000	0
27	6.721	0.000	0.000	0.032	0.032	18	3.428	0.000	0.000	0.028	0.028	8	0.000	0.000	0.000	0.000	0.000	0
28	2.528	0.000	0.000	0.033	0.033	7	1.703	0.000	0.000	0.026	0.026	4	0.000	0.000	0.000	0.000	0.000	0
29	2.585	0.000	0.000	0.027	0.027	6	1.319	0.000	0.000	0.018	0.018	2						
30	18.12	0.000	0.000	0.038	0.038	59	1.791	0.000	0.000	0.028	0.028	4						
31	17.29	0.000	0.000	0.037	0.037	55	1.523	0.000	0.000	0.030	0.030	4						
Ten Daily Mean																		
Ten Daily I	11.90	0.000	0.000	0.032	0.032	33	4.680	0.000	0.000	0.022	0.022	10	1.434	0.000	0.000	0.018	0.018	2
Ten Daily II	17.32	0.000	0.000	0.032	0.032	48	2.997	0.000	0.000	0.025	0.025	6	1.472	0.000	0.000	0.027	0.027	3
Ten Daily III	14.03	0.000	0.000	0.032	0.032	38	1.966	0.000	0.000	0.021	0.021	4	0.301	0.000	0.000	0.028	0.028	1
Monthly																		
Total						1230						203						65

Annual Sediment Load (Metric Tonnes) : 415382

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Akkihebbal (CCR00B7)

Local River : Hemavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

679

Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
4	2.179	0.000	0.000	0.019	0.019	4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
5	2.146	0.000	0.000	0.030	0.030	6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
6	2.125	0.000	0.000	0.022	0.022	4	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
7	2.134	0.000	0.000	0.029	0.029	5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
8	2.044	0.000	0.000	0.028	0.028	5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	2.194	0.000	0.000	0.025	0.025	5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	2.147	0.000	0.000	0.030	0.030	6	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	2.002	0.000	0.000	0.031	0.031	5	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.978	0.000	0.000	0.029	0.029	2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.671	0.000	0.000	0.032	0.032	2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.667	0.000	0.000	0.026	0.026	1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.664	0.000	0.000	0.030	0.030	2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.662	0.000	0.000	0.018	0.018	1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.427	0.000	0.000	0.017	0.017	1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.306	0.000	0.000	0.024	0.024	1	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.173	0.000	0.000	0.021	0.021	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31	0.000	0.000	0.000	0.000	0.000	0							0.000	0.000	0.000	0.000	0.000	0
Ten Daily Mean																		
Ten Daily I	1.497	0.000	0.000	0.018	0.018	3	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.655	0.000	0.000	0.023	0.023	2	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Monthly																		
Total						49						0						0

Annual Sediment Load (Metric Tonnes) : 415382

Annual Sediment Load for the period: 2014-2019

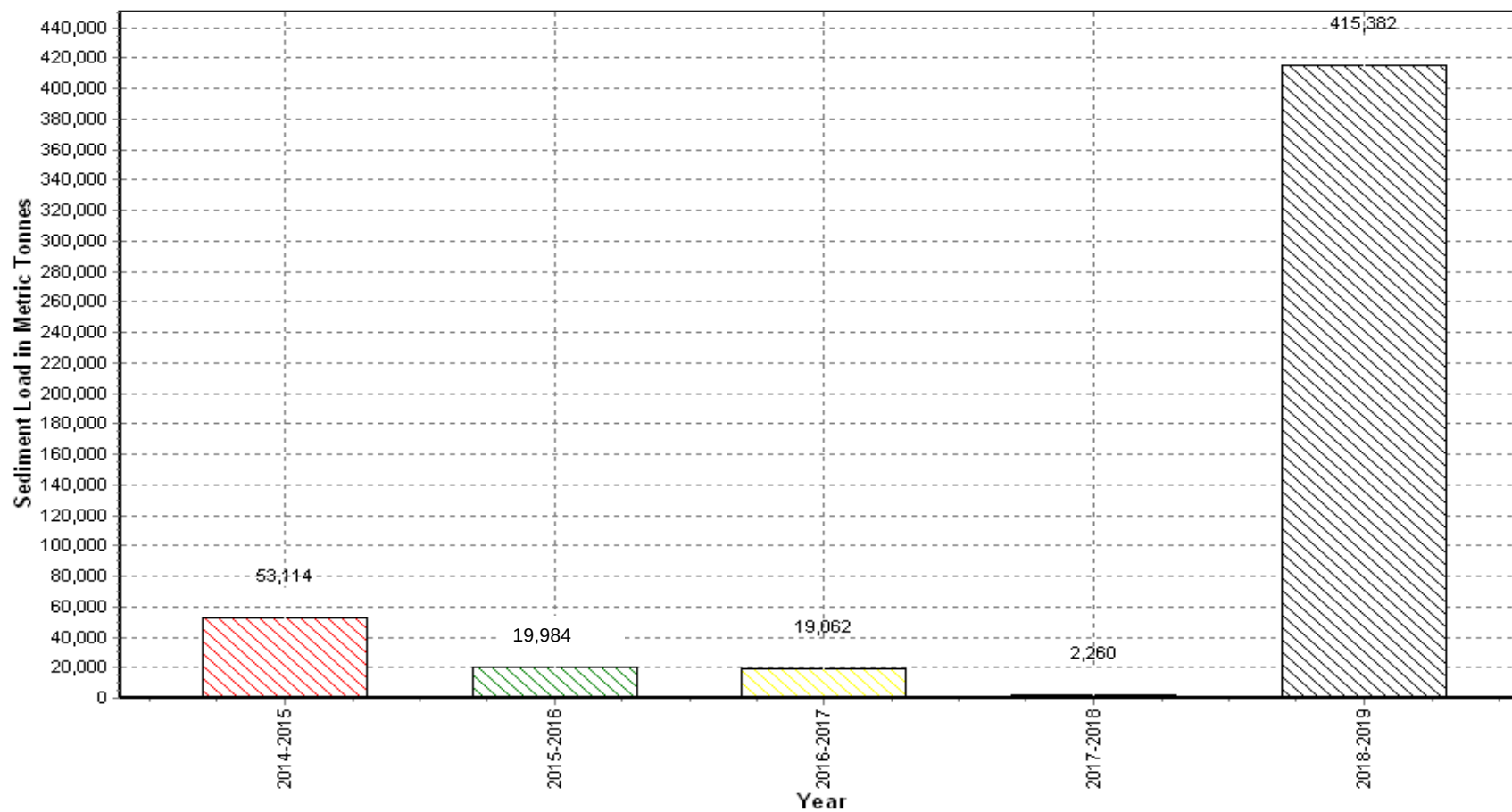
Station Name : Akkihebbal (CCR00B7)

Local River : Hemavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

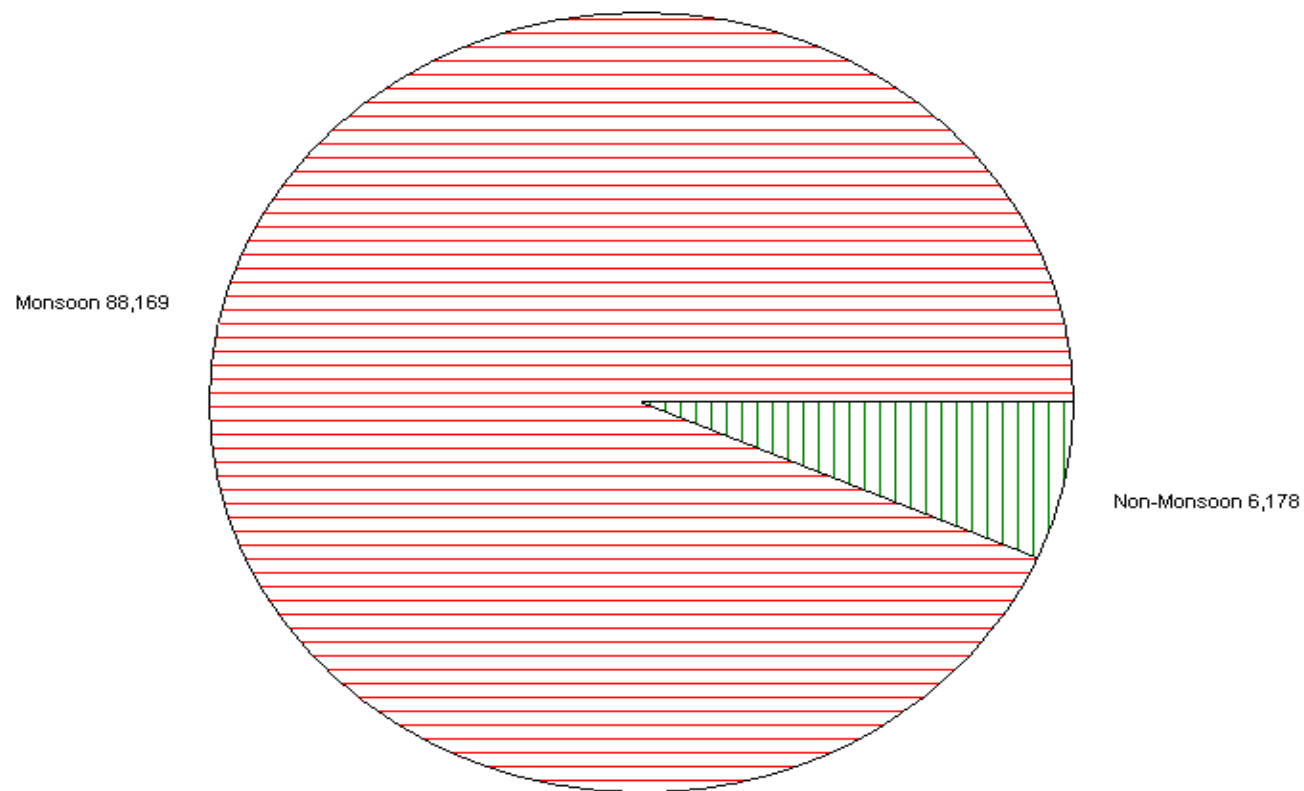
089



Station Name : Akkihebbal (CCR00B7)
Local River : Hemavathi

Seasonal Sediment Load for the period : 2014-2018

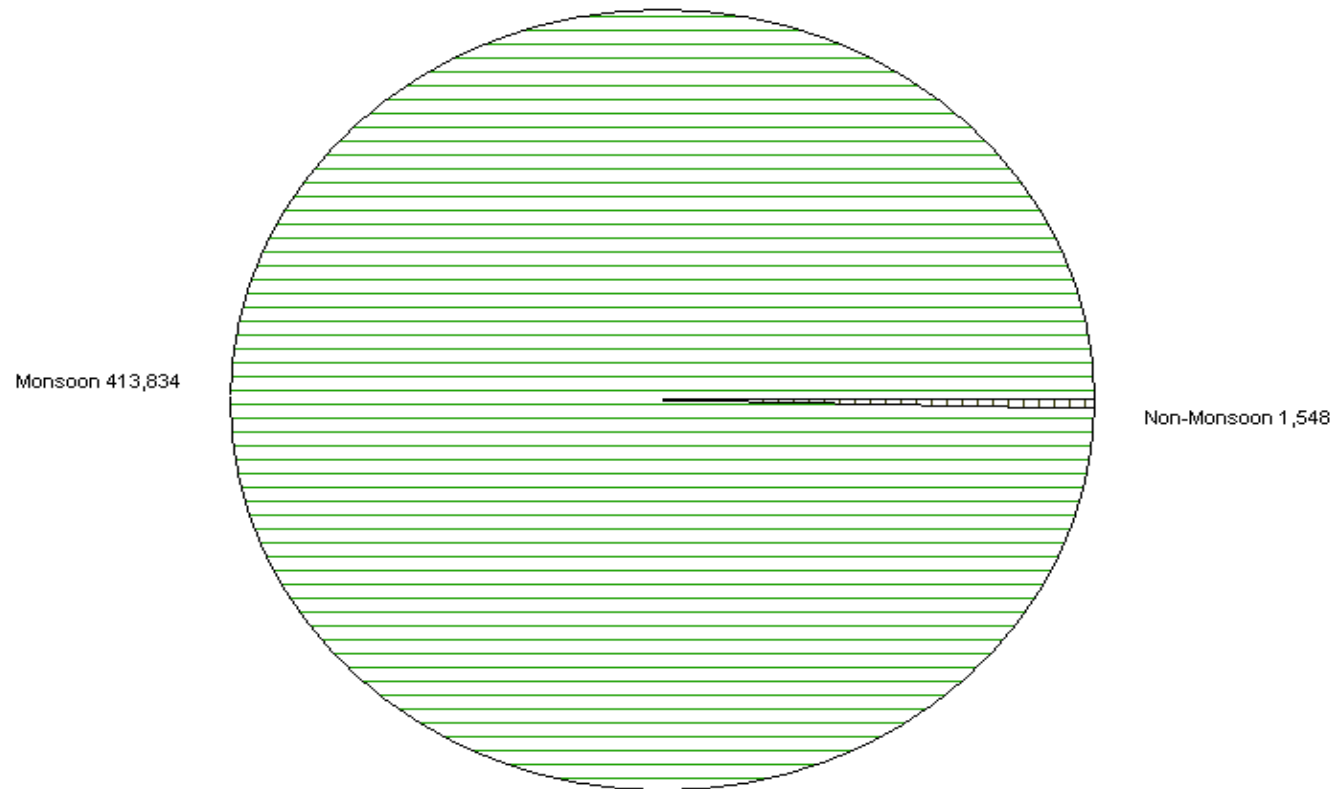
Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Station Name : Akkihebbal (CCR00B7)
Local River : Hemavathi

Seasonal Sediment Load for the Year: 2018-2019

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



BED MATERIAL ANALYSIS DATA

RIVER : Hemavathi

CODE NO. :

CCR00B7

SITE : AKKIEBBAL

CROSS SECTION :

SGL

SL. NO.	DATA FOR SAMPLE COLLECTED										GENERAL DATA OF THE RIVER						
	R.D.NO.	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L. (GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/Sec)	DISCHARGE (m³/Sec)	Bed Material Composition		WETTED PERIMETER (m)	HYDRULIC MEAN DEPTH (m)	MEAN VELOCITY (m/Sec)	SURFACE WATER SLOPE (S)	DISCHARGE (m³/Sec)	Bed Material Composition	
									MAX SIZE (mm)	MEAN SIZE (mm)						MAX SIZE (mm)	MEAN SIZE (mm)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
MONSOON 2018 DATE OF COLLECTION 00-00-0000																	
1																	
2							Sample not collected										
3																	
POSTMONSOON 2019 DATE OF COLLECTION 31-01-2019																	
1	60	-	749.005	751.005	2.0	105.9			2	1.83							
2	90	-	749.315	751.005	1.69	105.9	- No Flow -		4	2.14	-	-	-	-	-	4	1.52
3	130	-	749.425	751.005	1.58	105.9	- No Flow -		2	0.59							
PREMONSOON 2019 DATE OF COLLECTION 25-05-2019																	
1	60	-	750.090	750.875	0.785	105.9	No Flow		2	2.66							
2	90	-	749.0.75	750.875	1.80	105.9	- No Flow -		4	1.61			-	-	-	4	1.62
3	130	-	748.995	750.875	1.88	105.9	- No Flow -		2	0.6							

Annual Sediment Load for period : 1994-2019

Station Name : M.H.Halli (CCR00M8)

Division : Cauvery Division, Bangalore

Local River : Hemavathi

Sub-Division : Upper Cauvery SD, Bangalore

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1994-1995	57439	8331	65770	2480
1995-1996	15637	9739	25377	838
1996-1997	12103	3891	15994	583
1997-1998	16010	2995	19005	691
1998-1999	13653	4649	18302	542
1999-2000	19197	3446	22643	961
2000-2001	19369	774	20143	1120
2001-2002	7722	2077	9798	577
2002-2003	999	722	1721	285
2003-2004	3658	519	4176	251
2004-2005	4828	1971	6798	441
2005-2006	13649	2202	15852	846
2006-2007	Sediment Observation not done			685
2007-2008	Sediment Observation not done			999
2008-2009	2485 *	2222	4707 *	976
2009-2010	10789	3103	13892	1136
2010-2011	5116	3394	8510	795
2011-2012	7575	2094	9669	925
2012-2013	5709	2638	8348	621
2013-2014	16299	516	16815	824
2014-2015	9011	1742	10753	760
2015-2016	5469	994	6463	453
2016-2017	7794	743	8537	559
2017-2018	3451	2146	5597	501
2018-2019	5794	189	5983	2272

* Partial data

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : M.H.Halli (CCR00M8)

Local River : Hemavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

685

Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	18.34	0.000	0.000	0.004	0.004	6	11.91	0.000	0.000	0.005	0.005	5	63.16	0.000	0.000	0.008	0.008	41
2	21.22	0.000	0.000	0.005	0.005	9	18.97	0.000	0.000	0.010	0.010	16	61.67	0.000	0.000	0.008	0.008	41
3	22.00	0.000	0.000	0.005	0.005	10	9.136	0.000	0.000	0.008	0.008	7	61.86	0.000	0.000	0.008	0.008	44
4	21.24	0.000	0.000	0.005	0.005	9	11.81	0.000	0.000	0.008	0.008	8	62.39	0.000	0.000	0.007	0.007	35
5	17.04	0.000	0.000	0.006	0.006	9	11.91	0.000	0.000	0.005	0.005	5	64.52	0.000	0.000	0.008	0.008	43
6	16.91	0.000	0.000	0.008	0.008	11	11.91	0.000	0.000	0.009	0.009	10	50.32	0.000	0.000	0.009	0.009	37
7	11.65	0.000	0.000	0.008	0.008	8	11.91	0.000	0.000	0.010	0.010	10	43.38	0.000	0.000	0.008	0.008	31
8	13.40	0.000	0.000	0.007	0.007	8	15.74	0.000	0.000	0.010	0.010	14	47.84	0.000	0.000	0.008	0.008	35
9	13.89	0.000	0.000	0.009	0.009	11	11.91	0.000	0.000	0.009	0.009	9	1065	No Sediment Data Available				
10	12.65	0.000	0.000	0.007	0.007	7	12.47	0.000	0.000	0.009	0.009	9	1095					
11	18.98	0.000	0.000	0.005	0.005	9	15.25	0.000	0.000	0.008	0.008	11	1010					
12	18.97	0.000	0.000	0.006	0.006	10	15.37	0.000	0.000	0.010	0.010	13	960.1					
13	14.29	0.000	0.000	0.005	0.005	6	25.03	0.000	0.000	0.009	0.009	19	998.8					
14	13.68	0.000	0.000	0.006	0.006	7	59.98	0.000	0.000	0.004	0.004	22	1581					
15	12.53	0.000	0.000	0.008	0.008	9	685.6	0.000	0.000	0.006	0.006	338	1666					
16	11.91	0.000	0.000	0.009	0.009	9	729.6	0.000	0.000	0.008	0.008	474	1133					
17	11.19	0.000	0.000	0.009	0.009	9	686.3	0.000	0.000	0.008	0.008	487	1234					
18	11.40	0.000	0.000	0.010	0.010	9	643.7	0.000	0.000	0.008	0.008	434	1434					
19	11.95	0.000	0.000	0.008	0.008	8	428.3	0.000	0.000	0.008	0.008	289	1116					
20	11.92	0.000	0.000	0.009	0.009	10	149.2	0.000	0.000	0.008	0.008	100	1121					
21	11.64	0.000	0.000	0.077	0.077	78	61.32	0.000	0.000	0.008	0.008	45	1022					
22	11.72	0.000	0.000	0.004	0.004	4	786.8	0.000	0.000	0.008	0.008	530	1005					
23	11.72	0.000	0.000	0.008	0.008	8	378.5	0.000	0.000	0.007	0.007	226	184.4	0.000	0.000	0.007	0.007	108
24	11.19	0.000	0.000	0.009	0.009	9	358.4	0.000	0.000	0.006	0.006	192	182.9	0.000	0.000	0.008	0.008	125
25	10.73	0.000	0.000	0.009	0.009	8	350.2	0.000	0.000	0.006	0.006	185	150.7	0.000	0.000	0.009	0.009	123
26	10.80	0.000	0.000	0.009	0.009	8	355.8	0.000	0.000	0.006	0.006	194	69.68	0.000	0.000	0.008	0.008	50
27	10.57	0.000	0.000	0.009	0.009	8	211.6	0.000	0.000	0.008	0.008	138	32.77	0.000	0.000	0.007	0.007	19
28	12.18	0.000	0.000	0.008	0.008	9	71.35	0.000	0.000	0.008	0.008	47	15.90	0.000	0.000	0.007	0.007	9
29	10.74	0.000	0.000	0.009	0.009	8	63.24	0.000	0.000	0.009	0.009	51	12.75	0.000	0.000	0.007	0.007	8
30	10.92	0.000	0.000	0.009	0.009	8	68.81	0.000	0.000	0.010	0.010	58	15.61	0.000	0.000	0.006	0.006	8
31							69.39	0.000	0.000	0.006	0.006	38	17.70	0.000	0.000	0.005	0.005	8
Ten Daily Mean																		
Ten Daily I	16.83	0.000	0.000	0.006	0.006	9	12.77	0.000	0.000	0.008	0.008	9	261.5	0.000	0.000	0.008	0.008	38
Ten Daily II	13.68	0.000	0.000	0.007	0.007	9	343.8	0.000	0.000	0.008	0.008	219	1225	0.000	0.000			
Ten Daily III	11.22	0.000	0.000	0.015	0.015	15	252.3	0.000	0.000	0.007	0.007	155	246.3	0.000	0.000	0.007	0.007	51
Monthly																		
Total							322					3983						766

Annual Sediment Load (Metric Tonnes) : 5983

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : M.H.Halli (CCR00M8)

Local River : Hemavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	17.58	0.000	0.000	0.007	0.007	10	12.34	0.000	0.000	0.002	0.002	2	16.52	0.000	0.000	0.003	0.003	4
2	18.78	0.000	0.000	0.007	0.007	12	12.66	0.000	0.000	0.002	0.002	2	20.58	0.000	0.000	0.005	0.005	10
3	20.12	0.000	0.000	0.007	0.007	12	10.46	0.000	0.000	0.004	0.004	3	20.70	0.000	0.000	0.006	0.006	10
4	14.84	0.000	0.000	0.008	0.008	11	9.730	0.000	0.000	0.005	0.005	4	15.17	0.000	0.000	0.009	0.009	12
5	11.59	0.000	0.000	0.008	0.008	8	10.17	0.000	0.000	0.005	0.005	4	12.41	0.000	0.000	0.008	0.008	8
6	18.29	0.000	0.000	0.005	0.005	8	13.14	0.000	0.000	0.003	0.003	3	11.77	0.000	0.000	0.007	0.007	7
7	16.58	0.000	0.000	0.006	0.006	9	13.64	0.000	0.000	0.003	0.003	3	11.53	0.000	0.000	0.005	0.005	5
8	18.45	0.000	0.000	0.006	0.006	9	17.56	0.000	0.000	0.003	0.003	4	15.17	0.000	0.000	0.009	0.009	12
9	20.87	0.000	0.000	0.006	0.006	10	17.51	0.000	0.000	0.003	0.003	4	11.46	0.000	0.000	0.004	0.004	4
10	16.35	0.000	0.000	0.006	0.006	9	13.12	0.000	0.000	0.003	0.003	3	11.69	0.000	0.000	0.007	0.007	7
11	15.94	0.000	0.000	0.005	0.005	7	12.91	0.000	0.000	0.002	0.002	2	15.17	0.000	0.000	0.009	0.009	12
12	18.54	0.000	0.000	0.006	0.006	10	9.650	0.000	0.000	0.008	0.008	6	11.72	0.000	0.000	0.006	0.006	6
13	16.78	0.000	0.000	0.006	0.006	9	12.71	0.000	0.000	0.007	0.007	7	11.64	0.000	0.000	0.009	0.009	9
14	14.05	0.000	0.000	0.008	0.008	10	12.42	0.000	0.000	0.007	0.007	7	18.10	0.000	0.000	0.009	0.009	14
15	14.36	0.000	0.000	0.008	0.008	10	13.31	0.000	0.000	0.007	0.007	8	18.32	0.000	0.000	0.010	0.010	15
16	11.96	0.000	0.000	0.008	0.008	8	15.66	0.000	0.000	0.009	0.009	12	17.49	0.000	0.000	0.009	0.009	13
17	14.25	0.000	0.000	0.008	0.008	10	17.93	0.000	0.000	0.002	0.002	3	17.20	0.000	0.000	0.006	0.006	9
18	14.22	0.000	0.000	0.005	0.005	7	17.93	0.000	0.000	0.002	0.002	3	16.52	0.000	0.000	0.007	0.007	10
19	12.59	0.000	0.000	0.008	0.008	9	20.01	0.000	0.000	0.008	0.008	13	18.53	0.000	0.000	0.007	0.007	12
20	14.01	0.000	0.000	0.008	0.008	9	16.52	0.000	0.000	0.002	0.002	3	18.52	0.000	0.000	0.006	0.006	9
21	11.96	0.000	0.000	0.008	0.008	8	18.81	0.000	0.000	0.008	0.008	13	17.93	0.000	0.000	0.003	0.003	5
22	12.48	0.000	0.000	0.008	0.008	9	13.40	0.000	0.000	0.007	0.007	8	18.14	0.000	0.000	0.006	0.006	9
23	11.96	0.000	0.000	0.008	0.008	8	15.30	0.000	0.000	0.007	0.007	9	17.00	0.000	0.000	0.003	0.003	4
24	13.11	0.000	0.000	0.008	0.008	9	13.64	0.000	0.000	0.006	0.006	7	17.51	0.000	0.000	0.003	0.003	5
25	12.64	0.000	0.000	0.008	0.008	9	15.21	0.000	0.000	0.004	0.004	5	16.52	0.000	0.000	0.007	0.007	10
26	17.93	0.000	0.000	0.008	0.008	12	12.94	0.000	0.000	0.008	0.008	9	17.38	0.000	0.000	0.003	0.003	4
27	17.93	0.000	0.000	0.004	0.004	6	16.52	0.000	0.000	0.004	0.004	5	11.44	0.000	0.000	0.003	0.003	3
28	22.89	0.000	0.000	0.005	0.005	11	17.65	0.000	0.000	0.004	0.004	6	11.41	0.000	0.000	0.009	0.009	9
29	16.12	0.000	0.000	0.004	0.004	6	21.06	0.000	0.000	0.008	0.008	14	15.17	0.000	0.000	0.009	0.009	12
30	13.39	0.000	0.000	0.008	0.008	9	20.26	0.000	0.000	0.006	0.006	10	11.51	0.000	0.000	0.008	0.008	8
31							20.37	0.000	0.000	0.007	0.007	11						
Ten Daily Mean																		
Ten Daily I	17.34	0.000	0.000	0.007	0.007	10	13.03	0.000	0.000	0.003	0.003	3	14.70	0.000	0.000	0.006	0.006	8
Ten Daily II	14.67	0.000	0.000	0.007	0.007	9	14.91	0.000	0.000	0.005	0.005	6	16.32	0.000	0.000	0.008	0.008	11
Ten Daily III	15.04	0.000	0.000	0.007	0.007	9	16.83	0.000	0.000	0.006	0.006	9	15.40	0.000	0.000	0.005	0.005	7
Monthly																		
Total						273						194						256

Annual Sediment Load (Metric Tonnes) : 5983

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : M.H.Halli (CCR00M8)

Local River : Hemavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	10.28	0.000	0.000	0.007	0.007	6	8.096	0.000	0.000	0.002	0.002	2	0.000	0.000	0.000	0.000	0.000	0
2	10.60	0.000	0.000	0.007	0.007	6	8.096	0.000	0.000	0.002	0.002	2	0.000	0.000	0.000	0.000	0.000	0
3	10.16	0.000	0.000	0.006	0.006	5	8.389	0.000	0.000	0.003	0.003	2	0.000	0.000	0.000	0.000	0.000	0
4	10.81	0.000	0.000	0.009	0.009	8	4.832	0.000	0.000	0.003	0.003	1	0.000	0.000	0.000	0.000	0.000	0
5	10.45	0.000	0.000	0.002	0.002	2	8.638	0.000	0.000	0.002	0.002	1	0.000	0.000	0.000	0.000	0.000	0
6	10.11	0.000	0.000	0.002	0.002	2	9.286	0.000	0.000	0.002	0.002	1	1.364	0.000	0.000	0.000	0.000	0
7	10.50	0.000	0.000	0.002	0.002	2	12.70	0.000	0.000	0.002	0.002	2	2.257	0.000	0.000	0.002	0.002	0
8	10.53	0.000	0.000	0.003	0.003	3	4.662	0.000	0.000	0.002	0.002	1	2.694	0.000	0.000	0.003	0.003	1
9	8.590	0.000	0.000	0.002	0.002	1	4.192	0.000	0.000	0.002	0.002	1	0.000	0.000	0.000	0.000	0.000	0
10	10.72	0.000	0.000	0.003	0.003	3	4.887	0.000	0.000	0.002	0.002	1	0.000	0.000	0.000	0.000	0.000	0
11	9.169	0.000	0.000	0.002	0.002	1	5.885	0.000	0.000	0.001	0.001	1	0.000	0.000	0.000	0.000	0.000	0
12	9.537	0.000	0.000	0.009	0.009	7	4.569	0.000	0.000	0.001	0.001	0	0.000	0.000	0.000	0.000	0.000	0
13	9.333	0.000	0.000	0.008	0.008	6	4.246	0.000	0.000	0.002	0.002	1	1.998	0.000	0.000	0.003	0.003	1
14	9.377	0.000	0.000	0.009	0.009	7	3.606	0.000	0.000	0.001	0.001	0	3.405	0.000	0.000	0.002	0.002	1
15	9.264	0.000	0.000	0.009	0.009	7	4.246	0.000	0.000	0.002	0.002	1	2.611	0.000	0.000	0.002	0.002	0
16	8.590	0.000	0.000	0.002	0.002	1	3.454	0.000	0.000	0.007	0.007	2	3.523	0.000	0.000	0.009	0.009	3
17	7.103	0.000	0.000	0.009	0.009	5	7.051	0.000	0.000	0.008	0.008	5	2.262	0.000	0.000	0.009	0.009	2
18	6.966	0.000	0.000	0.009	0.009	5	4.694	0.000	0.000	0.001	0.001	1	2.579	0.000	0.000	0.009	0.009	2
19	6.835	0.000	0.000	0.009	0.009	5	7.450	0.000	0.000	0.004	0.004	3	0.000	0.000	0.000	0.000	0.000	0
20	6.747	0.000	0.000	0.010	0.010	6	4.650	0.000	0.000	0.002	0.002	1	0.000	0.000	0.000	0.000	0.000	0
21	6.512	0.000	0.000	0.003	0.003	2	7.361	0.000	0.000	0.001	0.001	1	0.000	0.000	0.000	0.000	0.000	0
22	6.434	0.000	0.000	0.009	0.009	5	6.996	0.000	0.000	0.001	0.001	1	0.000	0.000	0.000	0.000	0.000	0
23	6.810	0.000	0.000	0.001	0.001	1	6.792	0.000	0.000	0.003	0.003	2	0.000	0.000	0.000	0.000	0.000	0
24	6.912	0.000	0.000	0.002	0.002	1	4.637	0.000	0.000	0.002	0.002	1	1.500	0.000	0.000	0.000	0.000	0
25	6.810	0.000	0.000	0.001	0.001	1	6.265	0.000	0.000	0.004	0.004	2	1.403	0.000	0.000	0.005	0.005	1
26	6.882	0.000	0.000	0.010	0.010	6	4.650	0.000	0.000	0.002	0.002	1	1.578	0.000	0.000	0.006	0.006	1
27	6.484	0.000	0.000	0.001	0.001	1	2.841	0.000	0.000	0.003	0.003	1	2.926	0.000	0.000	0.002	0.002	0
28	6.810	0.000	0.000	0.001	0.001	1	2.316	0.000	0.000	0.003	0.003	1	2.421	0.000	0.000	0.001	0.001	0
29	4.953	0.000	0.000	0.001	0.001	1	1.845	0.000	0.000	0.002	0.002	0						
30	8.096	0.000	0.000	0.001	0.001	1	1.364	0.000	0.000	0.002	0.002	0						
31	6.996	0.000	0.000	0.002	0.002	1	1.263	0.000	0.000	0.002	0.002	0						
Ten Daily Mean																		
Ten Daily I	10.27	0.000	0.000	0.004	0.004	4	7.378	0.000	0.000	0.002	0.002	1	0.632	0.000	0.000	0.000	0.000	0
Ten Daily II	8.292	0.000	0.000	0.008	0.008	5	4.985	0.000	0.000	0.003	0.003	1	1.638	0.000	0.000	0.003	0.003	1
Ten Daily III	6.700	0.000	0.000	0.003	0.003	2	4.212	0.000	0.000	0.002	0.002	1	1.229	0.000	0.000	0.002	0.002	0
Monthly																		
Total						111						35						11

Annual Sediment Load (Metric Tonnes) : 5983

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : M.H.Halli (CCR00M8)

Local River : Hemavathi

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

688

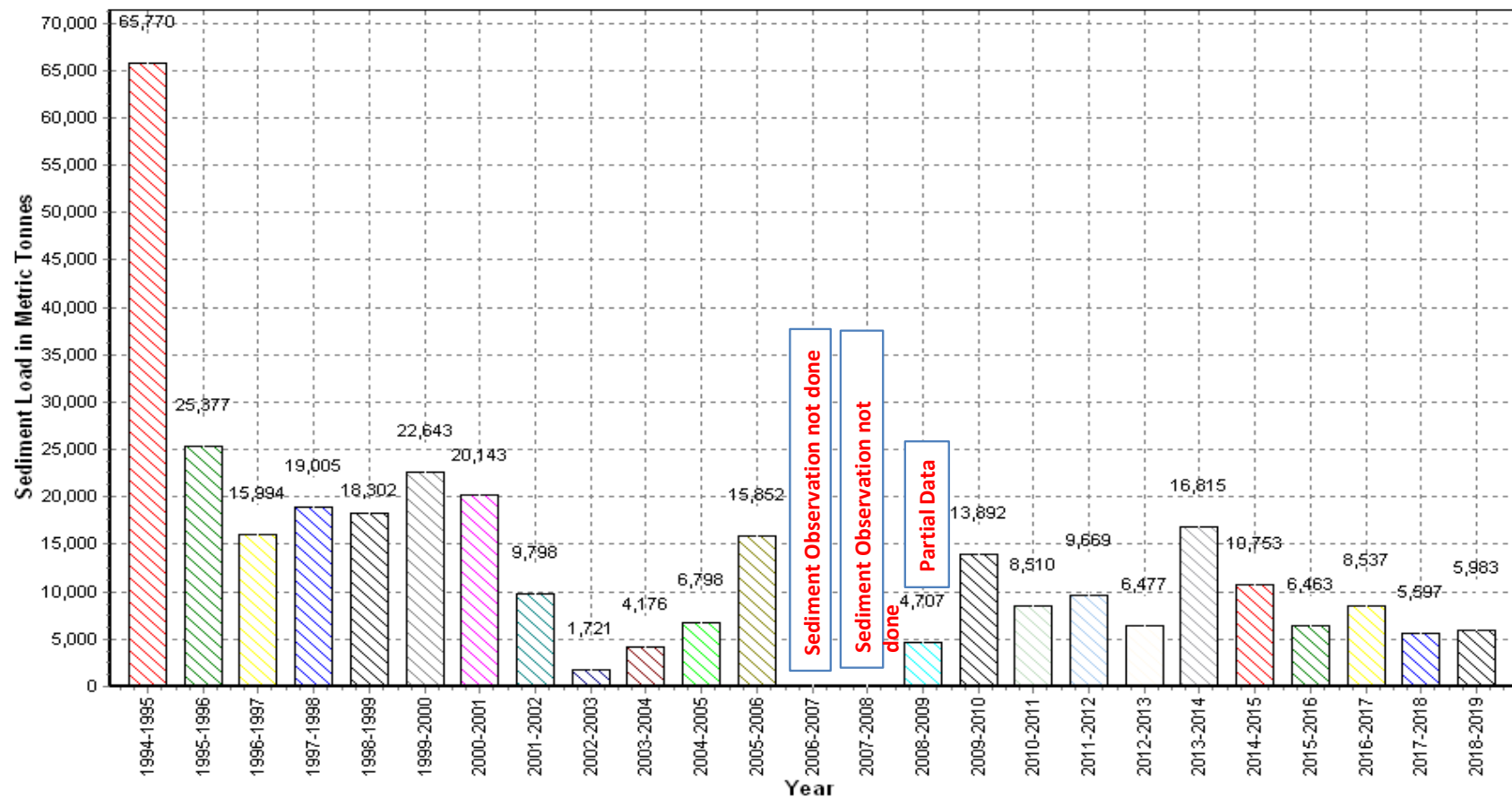
Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	6.738	0.000	0.000	0.002	0.002	1	2.284	0.000	0.000	0.003	0.003	1	0.000	0.000	0.000	0.000	0.000	0
2	8.358	0.000	0.000	0.002	0.002	1	6.255	0.000	0.000	0.008	0.008	4	0.000	0.000	0.000	0.000	0.000	0
3	16.14	0.000	0.000	0.003	0.003	4	7.572	0.000	0.000	0.009	0.009	6	0.000	0.000	0.000	0.000	0.000	0
4	6.361	0.000	0.000	0.007	0.007	4	18.41	0.000	0.000	0.002	0.002	4	0.000	0.000	0.000	0.000	0.000	0
5	0.000	0.000	0.000	0.000	0.000	0	16.46	0.000	0.000	0.003	0.003	4	0.000	0.000	0.000	0.000	0.000	0
6	0.000	0.000	0.000	0.000	0.000	0	7.052	0.000	0.000	0.002	0.002	1	0.000	0.000	0.000	0.000	0.000	0
7	0.000	0.000	0.000	0.000	0.000	0	4.653	0.000	0.000	0.006	0.006	3	0.000	0.000	0.000	0.000	0.000	0
8	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
9	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
10	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
11	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
12	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
13	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
14	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
15	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
16	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
17	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
18	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
19	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
20	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
21	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
22	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
23	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
24	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
25	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
26	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
27	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
28	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
29	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
30	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
31	0.000	0.000	0.000	0.000	0.000	0							0.000	0.000	0.000	0.000	0.000	0
<u>Ten Daily Mean</u>																		
Ten Daily I	3.760	0.000	0.000	0.001	0.001	1	6.269	0.000	0.000	0.003	0.003	2	0.000	0.000	0.000	0.000	0.000	0
Ten Daily II	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
Ten Daily III	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0	0.000	0.000	0.000	0.000	0.000	0
<u>Monthly</u>																		
Total						10						22						0

Annual Sediment Load (Metric Tonnes) : 5983

Station Name : M.H.Halli (CCR00M8)
Local River : Hemavathi

Annual Sediment Load for the period: 1994-2019

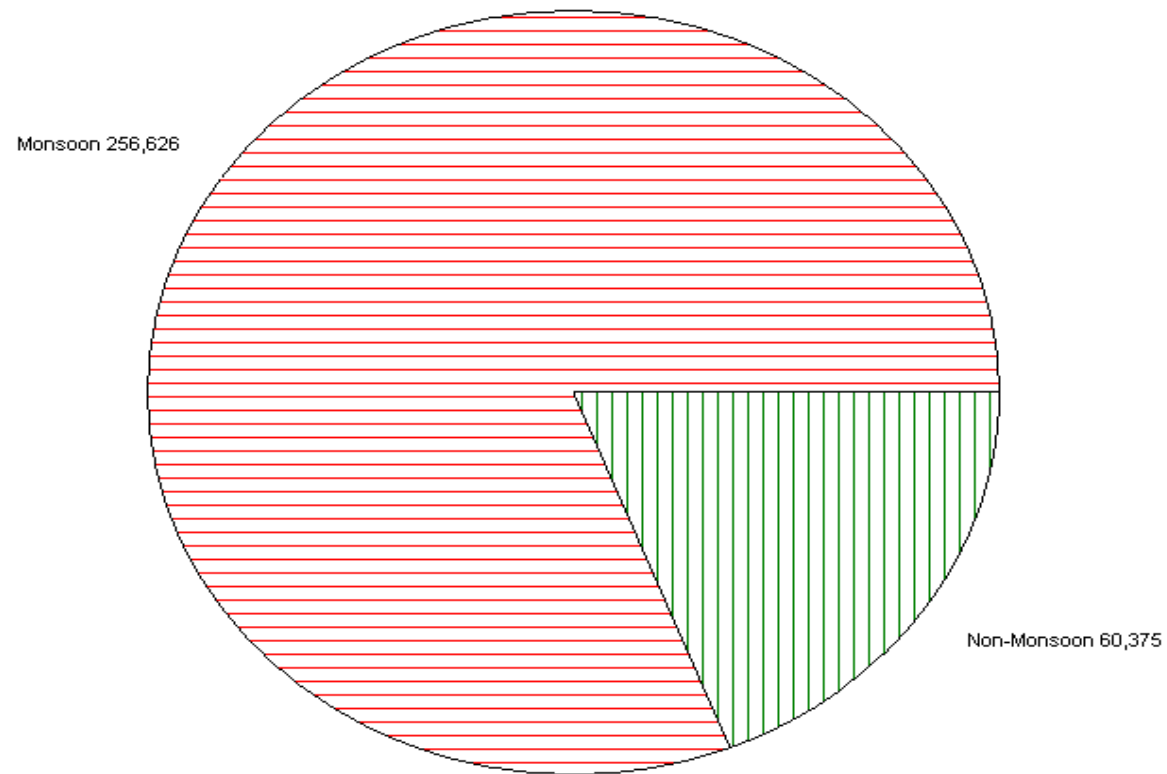
Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Station Name : M.H.Halli (CCR00M8)
Local River : Hemavathi

Seasonal Sediment Load for the period : 1994-2018

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

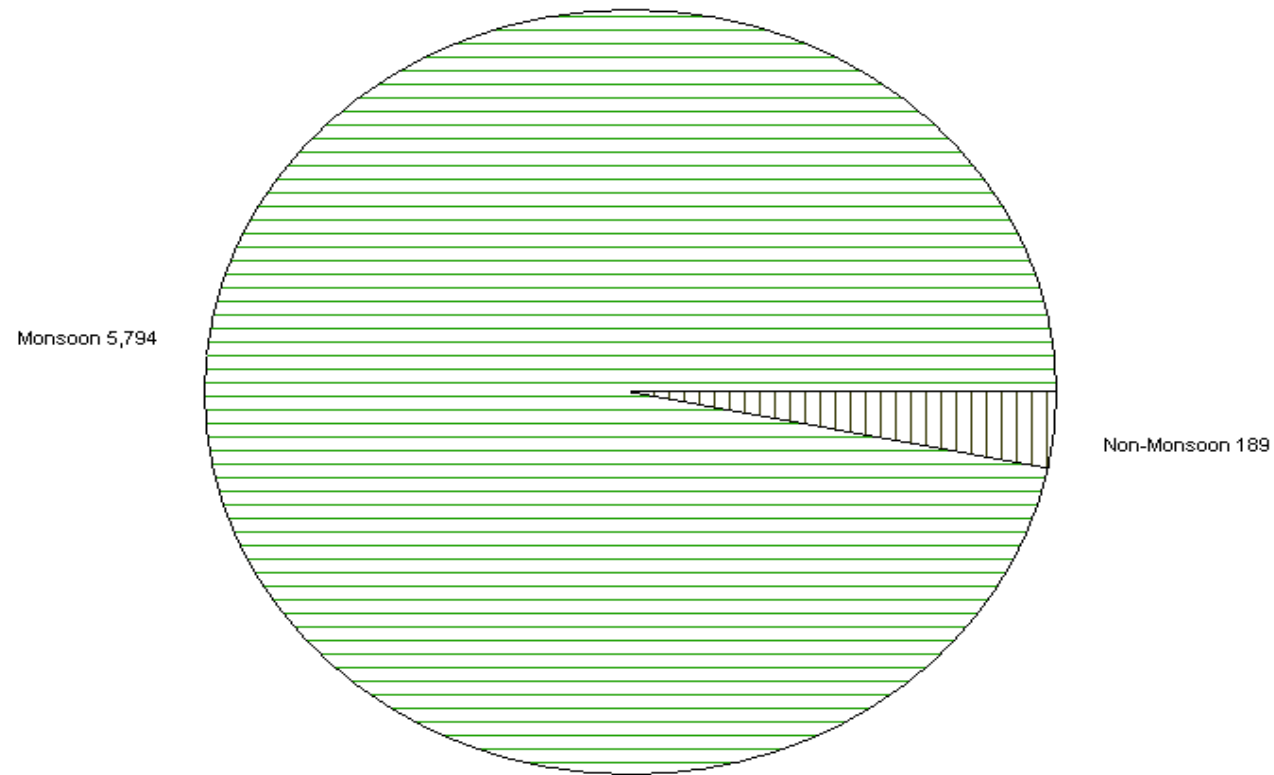


Station Name : M.H.Halli (CCR00M8)
Local River : Hemavathi

Seasonal Sediment Load for the Year: 2018-2019

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore

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BED MATERIAL ANALYSIS DATA

RIVER : Hemavathi
SITE : M H HALLI

CODE NO. : CCR00M8
CROSS SECTION : SGL

SL. NO.	DATA FOR SAMPLE COLLECTED										GENERAL DATA OF THE RIVER						
	R.D.NO.	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L. (GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/Sec)	DISCHARGE (m ³ /Sec)	Bed Material Composition		WETTED PERIMETER (m)	HYDRULIC MEAN DEPTH (m)	MEAN VELOCITY (m/Sec)	SURFACE WATER SLOPE (S)	DISCHARGE (m ³ /Sec)	Bed Material Composition	
									MAX SIZE (mm)	MEAN SIZE (mm)						MAX SIZE (mm)	MEAN SIZE (mm)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
MONSOON 2018 DATE OF COLLECTION 00-00-0000																	
1																	
2																	
3																	
POSTMONSOON 2018 DATE OF COLLECTION																	
1																	
2																	
3																	
PREMONSOON 2019 DATE OF COLLECTION 20-05-2019																	
1	50	-	837.740	-	0.80	220	-	-	5	0.44							
2	100	-	837.010	-	1.45	220	-	-	8	1.29						27.66	3.39
3	150	-	837.940	-	0.50	220	-	-	70	8.46							

Annual Sediment Load for period : 2014-2019

Station Name : SAKALESHPUR (CCR00U6)

Local River : Hemavathi

Division : CAUVERY DIVISION

Sub-Division : UCSD Bengaluru

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
2014-2015	88360	703	89064	1329
2015-2016	18269	174	18444	778
2016-2017	18839	145	18984	585
2017-2018	22560	214	22775	719
2018-2019	90673	130	90803	1441

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : SAKALESHPUR (CCR00U6)

Local River : Hemavathi

Division : CAUVERY DIVISION

Sub-Division : UCSD Bengaluru

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Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	5.864	0.000	0.000	0.006	0.006	3	70.90	0.000	0.000	0.006	0.006	37	118.3	0.008	0.043	0.069	0.120	1227
2	4.924	0.000	0.000	0.010	0.010	4	59.76	0.000	0.000	0.005	0.005	24	101.5	0.014	0.027	0.024	0.065	567
3	5.922	0.000	0.000	0.006	0.006	3	53.66	0.000	0.000	0.010	0.010	46	88.79	0.003	0.003	0.003	0.008	63
4	4.493	0.000	0.000	0.009	0.009	3	54.26	0.000	0.000	0.006	0.006	29	89.18	0.001	0.006	0.033	0.040	308
5	4.325	0.000	0.000	0.014	0.014	5	60.97	0.000	0.000	0.010	0.010	51	96.61	0.011	0.006	0.054	0.071	589
6	3.670	0.000	0.000	0.010	0.010	3	56.99	0.000	0.000	0.004	0.004	19	91.04	0.020	0.006	0.533	0.559	4400
7	3.596	0.000	0.000	0.016	0.016	5	94.65	0.017	0.009	0.044	0.071	579	112.9	0.017	0.005	0.041	0.063	616
8	8.243	0.000	0.000	0.011	0.011	8	108.7	0.016	0.010	0.044	0.069	650	113.9	0.023	0.011	0.054	0.089	873
9	96.97	0.000	0.003	0.000	0.003	23	99.53	0.016	0.010	0.043	0.069	592	139.1	0.019	0.007	0.061	0.086	1039
10	107.7	0.000	0.000	0.051	0.051	478	172.5	0.006	0.015	0.066	0.087	1296	136.3	0.020	0.007	0.039	0.065	769
11	331.4	0.006	0.019	0.023	0.048	1383	218.5	0.034	0.028	0.075	0.137	2591	111.4	0.012	0.006	0.023	0.041	394
12	749.0	0.032	0.037	0.166	0.235	15200	297.1	0.012	0.020	0.011	0.043	1104	134.8	0.020	0.008	0.038	0.066	771
13	477.1	0.005	0.011	0.046	0.061	2510	284.4	0.014	0.022	0.089	0.124	3047	265.2	0.023	0.040	0.037	0.100	2280
14	235.7	0.013	0.006	0.019	0.037	757	317.3	0.012	0.020	0.058	0.091	2481	465.6	0.023	0.018	0.061	0.102	4116
15	111.3	0.015	0.006	0.053	0.075	719	588.1	0.008	0.013	0.054	0.075	3811	278.1	0.026	0.012	0.039	0.076	1819
16	79.52	0.000	0.000	0.007	0.007	49	263.4	0.003	0.006	0.050	0.060	1354	218.2	0.029	0.017	0.049	0.095	1798
17	66.74	0.000	0.000	0.026	0.026	148	279.8	0.002	0.006	0.044	0.052	1257	324.4	0.019	0.035	0.033	0.087	2450
18	65.22	0.000	0.008	0.026	0.033	188	246.8	0.002	0.014	0.088	0.104	2213	209.1	0.029	0.010	0.028	0.066	1198
19	97.37	0.000	0.014	0.038	0.053	442	205.4	0.000	0.007	0.088	0.095	1681	220.2	0.015	0.007	0.050	0.071	1351
20	88.24	0.000	0.006	0.020	0.026	196	192.5	0.002	0.001	0.091	0.094	1569	182.8	0.001	0.003	0.012	0.016	248
21	93.25	0.000	0.002	0.097	0.099	798	209.6	0.001	0.001	0.070	0.072	1310	114.9	0.001	0.015	0.017	0.032	322
22	76.00	0.000	0.002	0.005	0.007	45	259.7	0.002	0.011	0.027	0.040	889	100.9	0.008	0.008	0.017	0.032	275
23	55.96	0.000	0.000	0.014	0.014	69	211.9	0.002	0.014	0.042	0.058	1064	92.34	0.013	0.003	0.016	0.032	253
24	57.95	0.000	0.000	0.015	0.015	73	196.7	0.002	0.018	0.021	0.041	693	83.79	0.008	0.003	0.010	0.021	153
25	70.61	0.000	0.000	0.009	0.009	53	202.7	0.000	0.001	0.127	0.128	2243	103.7	0.012	0.006	0.010	0.028	248
26	93.95	0.000	0.002	0.030	0.032	262	146.9	0.000	0.005	0.001	0.006	81	90.65	0.011	0.005	0.016	0.031	246
27	89.25	0.000	0.004	0.064	0.068	523	122.2	0.000	0.007	0.001	0.008	83	87.32	0.010	0.004	0.016	0.030	227
28	200.4	0.004	0.013	0.063	0.079	1371	81.09	0.000	0.007	0.001	0.008	58	92.19	0.005	0.003	0.018	0.026	207
29	144.8	0.000	0.013	0.004	0.017	211	85.49	0.000	0.007	0.001	0.008	61	109.8	0.003	0.088	0.026	0.117	1111
30	92.59	0.000	0.004	0.004	0.009	68	101.4	0.000	0.002	0.013	0.015	134	110.4	0.005	0.005	0.035	0.044	424
31							103.4	0.002	0.006	0.064	0.072	644	90.38	0.002	0.002	0.037	0.041	320
Ten Daily Mean																		
Ten Daily I	24.57	0.000	0.000	0.013	0.013	54	83.19	0.005	0.004	0.024	0.034	332	108.8	0.014	0.012	0.091	0.117	1045
Ten Daily II	230.1	0.007	0.011	0.042	0.060	2159	289.3	0.009	0.014	0.065	0.087	2111	241.0	0.020	0.015	0.037	0.072	1642
Ten Daily III	97.48	0.000	0.004	0.030	0.035	347	156.5	0.001	0.007	0.034	0.042	660	97.86	0.007	0.013	0.020	0.040	344
Monthly																		
Total						25603						31690						30663

Annual Sediment Load (Metric Tonnes) : 90803

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : SAKALESHPUR (CCR00U6)

Local River : Hemavathi

Division : CAUVERY DIVISION

Sub-Division : UCSD Bengaluru

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Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	83.47	0.000	0.001	0.008	0.009	66	48.00	0.000	0.000	0.015	0.015	62	16.42	0.000	0.000	0.002	0.002	3
2	99.92	0.000	0.001	0.012	0.013	112	37.69	0.000	0.000	0.004	0.004	13	15.76	0.000	0.000	0.003	0.003	3
3	99.60	0.001	0.001	0.012	0.014	117	32.29	0.000	0.000	0.015	0.015	43	14.78	0.000	0.000	0.002	0.002	2
4	53.38	0.000	0.000	0.003	0.003	14	34.01	0.000	0.000	0.012	0.012	36	14.34	0.000	0.000	0.019	0.019	23
5	58.47	0.000	0.001	0.003	0.004	22	30.37	0.000	0.000	0.013	0.013	34	14.34	0.000	0.000	0.019	0.019	23
6	57.20	0.000	0.000	0.006	0.007	33	36.43	0.000	0.000	0.004	0.004	11	17.83	0.000	0.000	0.004	0.004	7
7	54.32	0.000	0.000	0.003	0.003	15	33.41	0.000	0.000	0.012	0.012	34	14.87	0.000	0.000	0.004	0.004	5
8	52.97	0.000	0.000	0.003	0.003	14	36.73	0.000	0.000	0.013	0.013	40	13.68	0.000	0.000	0.003	0.003	4
9	49.40	0.000	0.000	0.004	0.004	15	26.87	0.000	0.000	0.013	0.013	30	12.66	0.000	0.000	0.003	0.003	3
10	45.01	0.000	0.000	0.003	0.003	13	27.96	0.000	0.000	0.015	0.015	36	12.55	0.000	0.000	0.003	0.003	3
11	40.63	0.000	0.000	0.002	0.002	7	25.50	0.000	0.000	0.012	0.012	26	12.42	0.000	0.000	0.003	0.003	3
12	44.44	0.000	0.000	0.004	0.004	16	26.43	0.000	0.000	0.023	0.023	52	11.32	0.000	0.000	0.004	0.004	4
13	44.99	0.000	0.000	0.004	0.004	17	26.40	0.000	0.000	0.010	0.010	22	11.35	0.000	0.000	0.003	0.003	2
14	43.91	0.000	0.000	0.001	0.001	5	26.84	0.000	0.000	0.010	0.010	23	11.24	0.000	0.000	0.002	0.002	2
15	42.63	0.000	0.000	0.003	0.003	10	32.50	0.019	0.017	0.030	0.065	183	10.41	0.000	0.000	0.002	0.002	2
16	40.95	0.000	0.000	0.002	0.002	8	33.08	0.000	0.000	0.012	0.012	34	10.91	0.000	0.000	0.003	0.003	3
17	35.33	0.000	0.000	0.007	0.007	23	28.75	0.000	0.007	0.045	0.052	128	10.57	0.000	0.000	0.003	0.003	2
18	37.30	0.000	0.000	0.009	0.009	30	27.50	0.000	0.000	0.026	0.026	61	10.94	0.000	0.000	0.003	0.003	3
19	37.60	0.000	0.000	0.007	0.007	22	27.69	0.000	0.000	0.026	0.026	61	15.38	0.000	0.000	0.004	0.004	6
20	32.94	0.000	0.000	0.002	0.002	6	27.60	0.000	0.000	0.026	0.026	61	15.74	0.000	0.000	0.002	0.002	3
21	32.38	0.000	0.000	0.002	0.002	5	27.44	0.000	0.000	0.026	0.026	60	12.42	0.000	0.000	0.003	0.003	3
22	31.63	0.000	0.000	0.012	0.012	31	23.35	0.000	0.000	0.008	0.008	16	11.59	0.000	0.000	0.003	0.003	3
23	28.68	0.000	0.000	0.005	0.005	13	19.67	0.000	0.000	0.004	0.004	7	10.94	0.000	0.000	0.003	0.003	3
24	28.30	0.000	0.000	0.005	0.005	12	20.00	0.000	0.000	0.003	0.003	6	11.26	0.000	0.000	0.003	0.003	3
25	34.74	0.000	0.000	0.005	0.005	15	18.33	0.000	0.000	0.003	0.003	4	10.94	0.000	0.000	0.003	0.003	3
26	40.24	0.009	0.010	0.019	0.038	134	20.55	0.000	0.000	0.003	0.003	5	11.17	0.000	0.000	0.003	0.003	3
27	41.55	0.009	0.009	0.015	0.033	119	18.13	0.000	0.000	0.002	0.002	3	10.68	0.000	0.000	0.002	0.002	2
28	39.88	0.024	0.014	0.016	0.053	183	16.75	0.000	0.000	0.002	0.002	3	10.77	0.000	0.000	0.002	0.002	2
29	47.01	0.023	0.015	0.014	0.052	211	14.79	0.000	0.000	0.003	0.003	4	10.73	0.000	0.000	0.003	0.003	2
30	39.30	0.023	0.015	0.019	0.058	196	16.96	0.000	0.000	0.002	0.002	3	9.933	0.000	0.000	0.002	0.002	2
31							11.81	0.000	0.000	0.002	0.002	2						
Ten Daily Mean																		
Ten Daily I	65.37	0.000	0.000	0.006	0.006	42	34.38	0.000	0.000	0.011	0.011	34	14.72	0.000	0.000	0.006	0.006	8
Ten Daily II	40.07	0.000	0.000	0.004	0.004	14	28.23	0.002	0.002	0.022	0.026	65	12.03	0.000	0.000	0.003	0.003	3
Ten Daily III	36.37	0.009	0.006	0.011	0.026	92	18.89	0.000	0.000	0.005	0.005	10	11.04	0.000	0.000	0.003	0.003	2
Monthly																		
Total						1484						1102						132

Annual Sediment Load (Metric Tonnes) : 90803

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : SAKALESHPUR (CCR00U6)

Local River : Hemavathi

Division : CAUVERY DIVISION

Sub-Division : UCSD Bengaluru

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Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	9.912	0.000	0.000	0.002	0.002	2	6.060	0.000	0.000	0.003	0.003	2	3.392	0.000	0.000	0.003	0.003	1
2	9.994	0.000	0.000	0.002	0.002	2	6.060	0.000	0.000	0.003	0.003	2	3.373	0.000	0.000	0.003	0.003	1
3	9.956	0.000	0.000	0.002	0.002	2	6.213	0.000	0.000	0.004	0.004	2	3.039	0.000	0.000	0.003	0.003	1
4	9.819	0.000	0.000	0.002	0.002	2	5.920	0.000	0.000	0.003	0.003	2	2.845	0.000	0.000	0.004	0.004	1
5	9.655	0.000	0.000	0.002	0.002	2	6.000	0.000	0.000	0.003	0.003	2	2.822	0.000	0.000	0.003	0.003	1
6	9.904	0.000	0.000	0.002	0.002	2	5.347	0.000	0.000	0.003	0.003	1	2.778	0.000	0.000	0.003	0.003	1
7	11.40	0.000	0.000	0.002	0.002	2	5.118	0.000	0.000	0.003	0.003	1	2.669	0.000	0.000	0.004	0.004	1
8	10.97	0.000	0.000	0.002	0.002	2	5.073	0.000	0.000	0.003	0.003	1	2.632	0.000	0.000	0.004	0.004	1
9	9.994	0.000	0.000	0.002	0.002	2	4.947	0.000	0.000	0.002	0.002	1	2.609	0.000	0.000	0.004	0.004	1
10	9.214	0.000	0.000	0.002	0.002	1	4.930	0.000	0.000	0.002	0.002	1	2.626	0.000	0.000	0.004	0.004	1
11	9.337	0.000	0.000	0.002	0.002	2	4.933	0.000	0.000	0.002	0.002	1	2.748	0.000	0.000	0.004	0.004	1
12	8.190	0.000	0.000	0.002	0.002	2	4.840	0.000	0.000	0.002	0.002	1	2.686	0.000	0.000	0.004	0.004	1
13	8.392	0.000	0.000	0.002	0.002	1	4.898	0.000	0.000	0.002	0.002	1	2.295	0.000	0.000	0.004	0.004	1
14	8.521	0.000	0.000	0.002	0.002	1	4.744	0.000	0.000	0.002	0.002	1	2.057	0.000	0.000	0.005	0.005	1
15	8.154	0.000	0.000	0.002	0.002	1	4.681	0.000	0.000	0.002	0.002	1	1.908	0.000	0.000	0.006	0.006	1
16	8.472	0.000	0.000	0.002	0.002	2	4.564	0.000	0.000	0.002	0.002	1	1.892	0.000	0.000	0.006	0.006	1
17	7.913	0.000	0.000	0.003	0.003	2	4.443	0.000	0.000	0.002	0.002	1	1.891	0.000	0.000	0.006	0.006	1
18	8.423	0.000	0.000	0.003	0.003	2	4.381	0.000	0.000	0.003	0.003	1	1.883	0.000	0.000	0.005	0.005	1
19	6.977	0.000	0.000	0.002	0.002	1	4.334	0.000	0.000	0.003	0.003	1	1.541	0.000	0.000	0.007	0.007	1
20	7.553	0.000	0.000	0.005	0.005	3	4.060	0.000	0.000	0.003	0.003	1	1.485	0.000	0.000	0.006	0.006	1
21	7.231	0.000	0.000	0.003	0.003	2	3.651	0.000	0.000	0.003	0.003	1	1.150	0.000	0.000	0.006	0.006	1
22	6.896	0.000	0.000	0.005	0.005	3	3.547	0.000	0.000	0.004	0.004	1	1.392	0.000	0.000	0.005	0.005	1
23	7.485	0.000	0.000	0.005	0.005	3	3.528	0.000	0.000	0.004	0.004	1	0.947	0.000	0.000	0.004	0.004	0
24	6.881	0.000	0.000	0.002	0.002	1	3.519	0.000	0.000	0.005	0.005	1	0.819	0.000	0.000	0.004	0.004	0
25	7.485	0.000	0.000	0.005	0.005	3	3.452	0.000	0.000	0.030	0.030	9	1.020	0.000	0.000	0.004	0.004	0
26	6.882	0.000	0.000	0.003	0.003	2	3.578	0.000	0.000	0.004	0.004	1	0.972	0.000	0.000	0.005	0.005	0
27	7.470	0.000	0.000	0.003	0.003	2	3.485	0.000	0.000	0.030	0.030	9	0.972	0.000	0.000	0.004	0.004	0
28	7.310	0.000	0.000	0.003	0.003	2	3.639	0.000	0.000	0.003	0.003	1	0.879	0.000	0.000	0.005	0.005	0
29	7.282	0.000	0.000	0.003	0.003	2	3.603	0.000	0.000	0.003	0.003	1						
30	6.559	0.000	0.000	0.003	0.003	2	3.403	0.000	0.000	0.003	0.003	1						
31	6.213	0.000	0.000	0.002	0.002	1	3.384	0.000	0.000	0.003	0.003	1						
Ten Daily Mean																		
Ten Daily I	10.08	0.000	0.000	0.002	0.002	2	5.567	0.000	0.000	0.003	0.003	1	2.879	0.000	0.000	0.003	0.003	1
Ten Daily II	8.193	0.000	0.000	0.002	0.002	2	4.588	0.000	0.000	0.002	0.002	1	2.039	0.000	0.000	0.005	0.005	1
Ten Daily III	7.063	0.000	0.000	0.003	0.003	2	3.526	0.000	0.000	0.008	0.008	2	1.019	0.000	0.000	0.005	0.005	0
Monthly																		
Total						56						50						21

Annual Sediment Load (Metric Tonnes) : 90803

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : SAKALESHPUR (CCR00U6)

Local River : Hemavathi

Division : CAUVERY DIVISION

Sub-Division : UCSD Bengaluru

Day	Mar						Apr						May							
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day		
1	0.813	0.000	0.000	0.004	0.004	0	0.000	0.000	0.000	0.000	0.000	0	0.510	No Sediment Data Available						
2	0.808	0.000	0.000	0.003	0.003	0	0.000	0.000	0.000	0.000	0.000	0	0.432							
3	0.790	0.000	0.000	0.003	0.003	0	0.000	0.000	0.000	0.000	0.000	0	0.421							
4	0.694	0.000	0.000	0.004	0.004	0	0.000	0.000	0.000	0.000	0.000	0	0.412							
5	0.686	0.000	0.000	0.005	0.005	0	0.000	0.000	0.000	0.000	0.000	0	0.370							
6	0.795	0.000	0.000	0.003	0.003	0	0.000	0.000	0.000	0.000	0.000	0	0.324							
7	0.736	0.000	0.000	0.004	0.004	0	0.000	0.000	0.000	0.000	0.000	0	0.311							
8	0.699	0.000	0.000	0.004	0.004	0	0.000	0.000	0.000	0.000	0.000	0	0.287							
9	0.598	0.000	0.000	0.003	0.003	0	0.000	0.000	0.000	0.000	0.000	0	0.547							
10	0.485	0.000	0.000	0.006	0.006	0	0.782	No Sediment Data Available					0						0.552	
11	0.474	0.000	0.000	0.006	0.006	0	0.975												0.501	
12	0.460	0.000	0.000	0.004	0.004	0	1.092												0.426	
13	0.395	0.000	0.000	0.004	0.004	0	1.239												0.452	
14	0.364	0.000	0.000	0.004	0.004	0	1.070												0.445	
15	0.340	0.000	0.000	0.004	0.004	0	1.079												0.372	
16	0.316	0.000	0.000	0.004	0.004	0	1.066												0.408	
17	0.333	0.000	0.000	0.004	0.004	0	1.023												0.376	
18	0.247	0.000	0.000	0.003	0.003	0	0.886												0.426	
19	0.181	0.000	0.000	0.003	0.003	0	0.800												0.426	
20	0.220	0.000	0.000	0.003	0.003	0	0.746												0.426	
21	0.204	0.000	0.000	0.003	0.003	0	0.717												0.399	
22	0.169	0.000	0.000	0.001	0.001	0	0.710												0.461	
23	0.132	0.000	0.000	0.001	0.001	0	0.691												0.479	
24	0.148	0.000	0.000	0.001	0.001	0	0.611												0.513	
25	0.099	0.000	0.000	0.001	0.001	0	0.596												0.764	
26	0.000	0.000	0.000	0.000	0.000	0	0.522												0.937	
27	0.000	0.000	0.000	0.000	0.000	0	0.462												1.310	
28	0.000	0.000	0.000	0.000	0.000	0	0.491												1.326	
29	0.000	0.000	0.000	0.000	0.000	0	0.560												1.223	
30	0.000	0.000	0.000	0.000	0.000	0	0.565												0.875	
31	0.000	0.000	0.000	0.000	0.000	0						0.655								
Ten Daily Mean																				
Ten Daily I	0.710	0.000	0.000	0.004	0.004	0	0.078	0.000	0.000	0.000	0.000	0	0.417							
Ten Daily II	0.333	0.000	0.000	0.004	0.004	0	0.998	0.000	0.000				0.426							
Ten Daily III	0.068	0.000	0.000	0.001	0.001	0	0.593	0.000	0.000				0.813							
Monthly																				
Total						4						0								

697

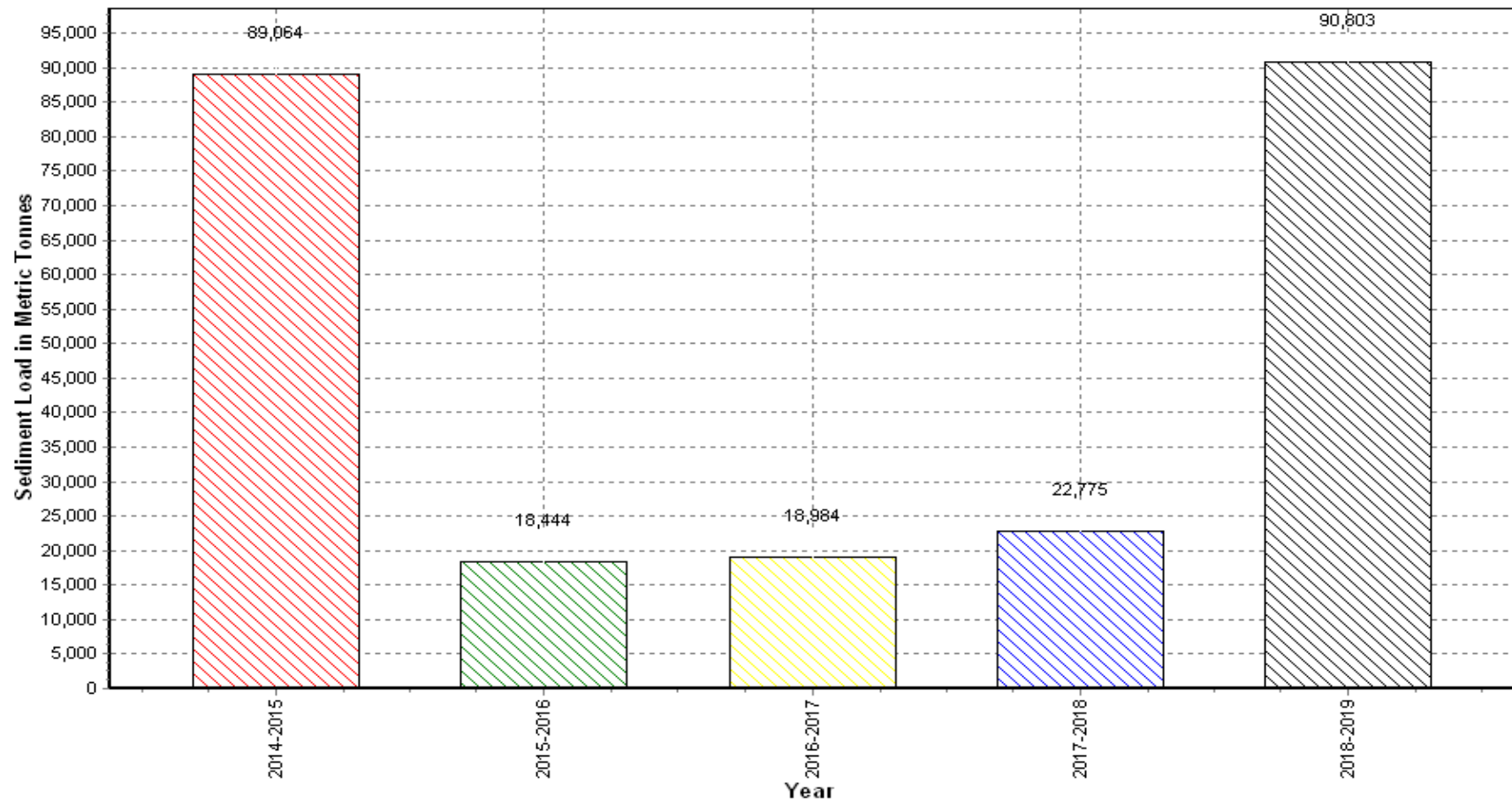
Annual Sediment Load (Metric Tonnes) : 90803

Station Name : SAKALESHPUR (CCR00U6)
Local River : Hemavathi

Annual Sediment Load for the period: 2014-2019

Division : CAUVERY DIVISION
Sub-Division : UCSD Bengaluru

869

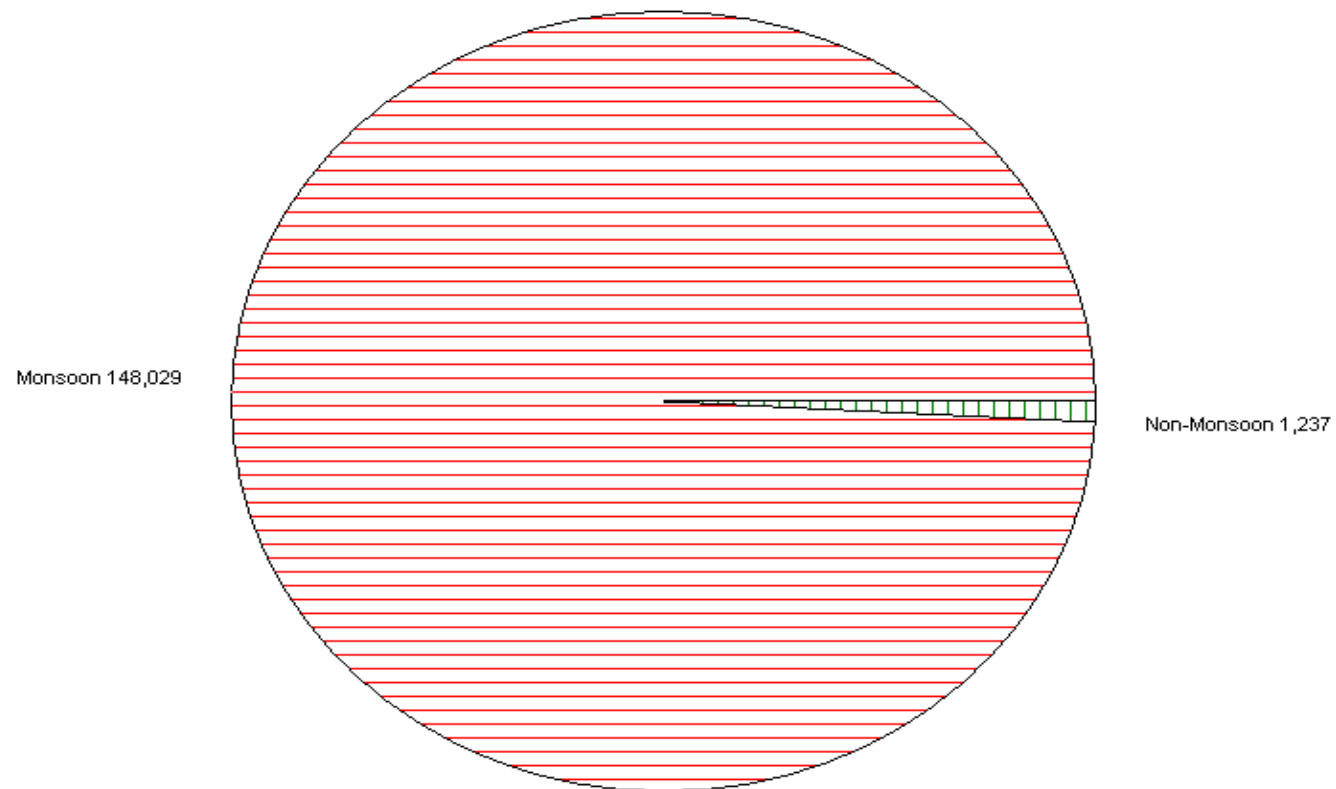


Station Name : SAKALESHPUR (CCR00U6)
Local River : Hemavathi

Seasonal Sediment Load for the period : 2014-2018

Division : CAUVERY DIVISION
Sub-Division : UCSD Bengaluru

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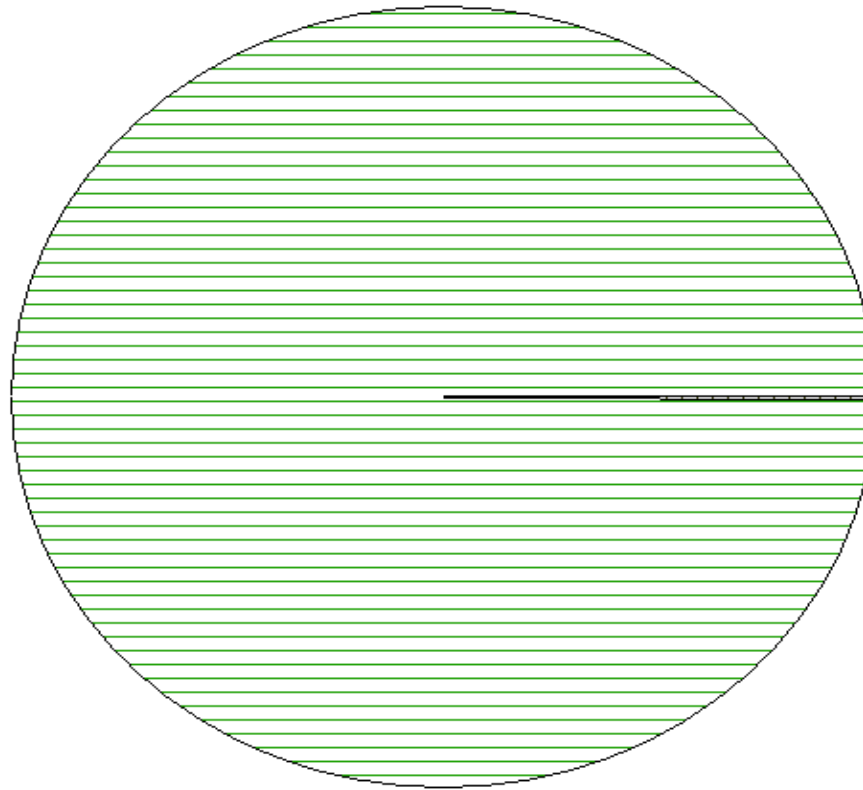
Station Name : SAKALESHPUR (CCR00U6)
Local River : Hemavathi

Seasonal Sediment Load for the Year: 2018-2019

Division : CAUVERY DIVISION
Sub-Division : UCSD Bengaluru

700

Monsoon 90,673



Non-Monsoon 130

BED MATERIAL ANALYSIS DATA

RIVER : Hemavathi
SITE : SAKLESHPUR

CODE NO. : CCR00U6
CROSS SECTION : SGL

SL. NO.	DATA FOR SAMPLE COLLECTED										GENERAL DATA OF THE RIVER							
	R.D.NO.	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L. (GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/Sec)	DISCHARGE (m³/Sec)	Bed Material Composition		WETTED PERIMETER (m)	HYDRULIC MEAN DEPTH (m)	MEAN VELOCITY (m/Sec)	SURFACE WATER SLOPE (S)	DISCHARGE (m³/Sec)	Bed Material Composition		
									MAX SIZE (mm)	MEAN SIZE (mm)						MAX SIZE (mm)	MEAN SIZE (mm)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
MONSOON 2018																		

Annual Sediment Load for period : 1974-2019

Station Name : Kudige (CC000Y5)

Division : Cauvery Division, Bangalore

Local River : Cauvery

Sub-Division : Upper Cauvery SD, Bangalore

Year	Monsoon (M.T.)	Non-Monsoon (M.T.)	Annual Load (M.T.)	Annual Run Off (MCM)
1974-1975	240140	1448	241588	3012
1975-1976	354707	2330	357037	4338
1976-1977	54289	4203	58493	1712
1977-1978	190153	5862	196015	3035
1978-1979	119318	3574	122892	4274
1979-1980	159764	5304	165068	2697
1980-1981	235237	3266	238503	4573
1981-1982	181887	5151	187038	3679
1982-1983	102692	3073	105765	2200
1983-1984	112617	3547	116164	2561
1984-1985	208833	759	209592	3168
1985-1986	65953	1319	67272	2044
1986-1987	104100	2404	106505	2326
1987-1988	35445	5669	41114	956
1988-1989	85661	5739	91399	1622
1989-1990	102875	2473	105349	2379
1990-1991	82059	2446	84505	2505
1991-1992	158990	1724	160714	3096
1992-1993	216134	3486	219620	3510
1993-1994	91705	2248	93953	2112
1994-1995	260298	1658	261956	4164
1995-1996	139265	467	139732	2315
1996-1997	126499	6471	132970	2637
1997-1998	196172	5056	201228	3159
1998-1999	101446	2417	103863	2437
1999-2000	109744	2425	112168	2560
2000-2001	87943	2315	90258	2435
2001-2002	62876	1767	64643	2028
2002-2003	57213	1272	58485	1608
2003-2004	39937	2152	42089	1392
2004-2005	153151	2103	155254	2191
2005-2006	215473	15382	230854	3367
2006-2007	Sediment Observation not done			3017
2007-2008	Sediment Observation not done			3932
2008-2009	4276 *	1934	6210 *	2100
2009-2010	199073	3940	203013	2691
2010-2011	55677	1998	57676	1984
2011-2012	62203	782	62985	2584
2012-2013	52878	728	53606	1782
2013-2014	46390	963	47352	4306
2014-2015	48690	722	49412	3428
2015-2016	38140	743	38883	2377
2016-2017	25627	1437	27064	2072
2017-2018	91965	1243	93208	3078
2018-2019	78727*	626*	79354*	5137

* Partial Data

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Kudige (CC000Y5)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Day	Jun						Jul						Aug					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	53.35	0.000	0.000	No Data Available			271.2	0.000	0.000	0.007	0.007	152	277.2	0.000	0.000	0.007	0.007	168
2	25.08	0.000	0.000				231.5	0.000	0.000	0.007	0.007	140	309.5	0.000	0.000	0.007	0.007	187
3	16.49	0.000	0.000				209.7	0.000	0.000	0.007	0.007	127	219.2	0.000	0.000	0.020	0.020	379
4	12.38	0.000	0.000				193.1	0.000	0.000	0.007	0.007	117	199.7	0.000	0.000	0.007	0.007	121
5	11.85	0.000	0.000				179.0	0.000	0.000	0.008	0.008	124	195.6	0.000	0.000	0.007	0.007	115
6	11.33	0.000	0.000				72.21	0.000	0.000	0.010	0.010	60	146.3	1.770	3.790	0.013	5.573	70445
7	13.32	0.000	0.000				88.88	0.000	0.000	0.008	0.008	61	161.7	0.002	0.001	0.006	0.009	126
8	14.36	0.000	0.000				644.2	No Data Available	No Data Available	No Data Available	No Data Available	No Data Available	349.2	0.006	0.006	0.006	0.018	543
9	277.7	0.000	0.000				871.3						1160	No Data Available				
10	404.3	0.000	0.000				1037						780.2					
11	603.5	0.000	0.000				1017						749.1					
12	725.3	0.000	0.000				1029						611.2					
13	922.3	0.000	0.000				1122						1244					
14	1049	0.000	0.000				1135						1143					
15	1025	0.000	0.000				1186						1946					
16	641.7	0.000	0.000				1130						1866					
17	305.1	0.000	0.000				1270						2435					
18	269.1	0.000	0.000				968.4						1934					
19	228.3	0.000	0.000				648.4						1680					
20	266.5	0.000	0.000				800.3						1362					
21	323.5	0.000	0.000				738.2						580.8					
22	281.0	0.000	0.000				722.9						443.0					
23	235.3	0.000	0.000				793.6						533.4					
24	176.1	0.000	0.000				784.6						347.1					
25	216.7	0.000	0.000				1062						452.1					
26	197.8	0.000	0.000				777.9						252.5					
27	221.3	0.000	0.000				457.8	0.000	0.000	0.006	0.006	237	230.5					
28	482.4	0.000	0.000				392.5	0.000	0.000	0.006	0.006	203	338.8					
29	535.1	0.000	0.000				289.0	0.000	0.000	0.006	0.006	145	324.1					
30	366.2	0.000	0.000				282.9	0.000	0.000	0.013	0.013	318	396.6					
31							268.2	0.000	0.000	0.021	0.021	487	379.3					
Ten Daily Mean																		
Ten Daily I	84.02	0.000	0.000				379.8	0.000	0.000	0.008	0.008	112	379.8	0.222	0.475	0.009	0.706	9010
Ten Daily II	603.6	0.000	0.000				1031						1497					
Ten Daily III	303.5	0.000	0.000				597.2	0.000	0.000	0.010	0.010	278	388.9					
Monthly																		
Total												2171						72083

Annual Sediment Load (Metric Tonnes) : 79354

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Kudige (CC000Y5)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

704

Day	Sep						Oct						Nov					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	355.5						47.52	0.000	0.000	0.018	0.018	74	23.50	0.000	0.000	0.010	0.010	20
2	210.7						52.21	0.000	0.000	0.045	0.045	201	19.95	0.000	0.000	0.001	0.001	2
3	191.6						51.07	0.000	0.000	0.044	0.044	194	21.41	0.000	0.000	0.012	0.012	22
4	194.3						43.00	0.000	0.000	0.017	0.017	63	21.65	0.000	0.000	0.013	0.013	23
5	152.8						52.15	0.000	0.000	0.017	0.017	77	24.10	0.000	0.000	0.010	0.010	21
6	108.4						45.74	0.000	0.000	0.018	0.018	71	20.95	0.000	0.000	0.012	0.012	22
7	103.0						49.45	0.000	0.000	0.019	0.019	79	19.56	0.000	0.000	0.011	0.011	19
8	98.74						41.81	0.000	0.000	0.008	0.008	29	19.33	0.000	0.000	0.010	0.010	17
9	94.54	0.000	0.000	0.010	0.010	82	53.38	0.000	0.000	0.010	0.010	46	17.08	0.000	0.000	0.011	0.011	16
10	65.02	0.000	0.000	0.111	0.111	624	106.6	0.000	0.000	0.033	0.033	304	17.13	0.000	0.000	0.000	0.000	0
11	60.78	0.000	0.000	0.018	0.018	95	59.22	0.000	0.000	0.004	0.004	19	17.67	0.000	0.000	0.010	0.010	15
12	80.09	0.000	0.000	0.010	0.010	69	47.17	0.000	0.000	0.018	0.018	73	16.54	0.000	0.000	0.001	0.001	1
13	66.06	0.000	0.000	0.111	0.111	634	43.46	0.000	0.000	0.009	0.009	34	17.11	0.000	0.000	0.012	0.012	18
14	62.16	0.000	0.000	0.019	0.019	102	33.01	0.000	0.000	0.019	0.019	54	16.90	0.000	0.000	0.011	0.011	16
15	58.65	0.000	0.000	0.018	0.018	91	46.74	0.000	0.000	0.008	0.008	32	16.63	0.000	0.000	0.001	0.001	1
16	53.14	0.000	0.000	0.001	0.001	5	77.87	0.000	0.000	0.016	0.016	108	16.20	0.000	0.000	0.011	0.011	15
17	57.70	0.000	0.000	0.001	0.001	5	70.95	0.000	0.000	0.019	0.019	116	15.52	0.000	0.000	0.000	0.000	0
18	50.97	0.000	0.000	0.018	0.018	79	55.04	0.000	0.000	0.004	0.004	17	15.58	0.000	0.000	0.000	0.000	0
19	43.00	0.000	0.000	0.001	0.001	4	41.64	0.000	0.000	0.010	0.010	36	15.06	0.000	0.000	0.022	0.022	29
20	41.99	0.000	0.000	0.010	0.010	36	62.56	0.000	0.000	0.009	0.009	49	14.87	0.000	0.000	0.023	0.023	30
21	42.48	0.000	0.000	0.011	0.011	40	54.09	0.000	0.000	0.003	0.003	16	17.14	0.000	0.000	0.012	0.012	18
22	31.60	0.000	0.000	0.010	0.010	27	49.96	0.000	0.000	0.009	0.009	39	13.18	0.000	0.000	0.011	0.011	13
23	39.19	0.000	0.000	0.010	0.010	34	41.19	0.000	0.000	0.010	0.010	36	15.58	0.000	0.000	0.001	0.001	1
24	43.17	0.000	0.000	0.020	0.020	75	39.73	0.000	0.000	0.000	0.000	0	14.11	0.000	0.000	0.001	0.001	1
25	45.29	0.000	0.000	0.010	0.010	39	34.51	0.000	0.000	0.000	0.000	0	19.90	0.000	0.000	0.011	0.011	19
26	135.7	0.000	0.000	0.005	0.005	53	31.54	0.000	0.000	0.000	0.000	0	20.01	0.000	0.000	0.011	0.011	19
27	120.8	0.000	0.000	0.004	0.004	43	28.69	0.000	0.000	0.000	0.000	0	16.09	0.000	0.000	0.032	0.032	44
28	101.1	0.000	0.000	0.003	0.003	30	24.74	0.000	0.000	0.011	0.011	24	14.92	0.000	0.000	0.020	0.020	26
29	70.38	0.000	0.000	0.003	0.003	16	21.94	0.000	0.000	0.000	0.000	0	13.33	0.000	0.000	0.012	0.012	14
30	60.92	0.000	0.000	0.001	0.001	5	23.95	0.000	0.000	0.010	0.010	21	13.52	0.000	0.000	0.012	0.012	14
31							24.10	0.000	0.000	0.010	0.010	21						
Ten Daily Mean																		
Ten Daily I	157.5	0.000	0.000	0.061	0.061	353	54.29	0.000	0.000	0.023	0.023	114	20.47	0.000	0.000	0.009	0.009	16
Ten Daily II	57.45	0.000	0.000	0.021	0.021	112	53.77	0.000	0.000	0.012	0.012	54	16.21	0.000	0.000	0.009	0.009	13
Ten Daily III	69.06	0.000	0.000	0.008	0.008	36	34.04	0.000	0.000	0.005	0.005	14	15.78	0.000	0.000	0.012	0.012	17
Monthly																		
Total						2187						1831						456

Annual Sediment Load (Metric Tonnes) : 79354

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Kudige (CC000Y5)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Day	Dec						Jan						Feb					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	12.43	0.000	0.000	0.011	0.011	12	12.07	0.000	0.000	0.013	0.013	13	3.659	0.000	0.000	0.001	0.001	0
2	11.19	0.000	0.000	0.011	0.011	11	11.33	0.000	0.000	0.012	0.012	12	3.525	0.000	0.000	0.000	0.000	0
3	12.36	0.000	0.000	0.012	0.012	13	9.701	0.000	0.000	0.013	0.013	11	3.596	0.000	0.000	0.001	0.001	0
4	12.30	0.000	0.000	0.022	0.022	23	9.501	0.000	0.000	0.012	0.012	10	3.330	0.000	0.000	0.001	0.001	0
5	11.43	0.000	0.000	0.011	0.011	11	9.418	0.000	0.000	0.013	0.013	11	3.278	0.000	0.000	0.000	0.000	0
6	12.25	0.000	0.000	0.023	0.023	24	8.627	0.000	0.000	0.011	0.011	8	3.239	0.000	0.000	0.001	0.001	0
7	10.18	0.000	0.000	0.023	0.023	20	9.290	0.000	0.000	0.012	0.012	10	3.326	0.000	0.000	0.001	0.001	0
8	10.28	0.000	0.000	0.011	0.011	10	9.323	0.000	0.000	0.000	0.000	0	3.758	0.000	0.000	0.000	0.000	0
9	11.19	0.000	0.000	0.011	0.011	11	9.144	0.000	0.000	0.011	0.011	9	3.940	0.000	0.000	0.001	0.001	0
10	10.23	0.000	0.000	0.012	0.012	11	8.929	0.000	0.000	0.000	0.000	0	4.855	0.000	0.000	0.017	0.017	7
11	10.04	0.000	0.000	0.012	0.012	10	8.592	0.000	0.000	0.011	0.011	8	3.816	0.000	0.000	0.016	0.016	5
12	9.939	0.000	0.000	0.000	0.000	0	9.537	0.000	0.000	0.012	0.012	10	3.441	0.000	0.000	0.017	0.017	5
13	9.824	0.000	0.000	0.000	0.000	0	7.426	0.000	0.000	0.015	0.015	9	3.147	0.000	0.000	0.001	0.001	0
14	9.785	0.000	0.000	0.001	0.001	1	7.347	0.000	0.000	0.000	0.000	0	2.937	0.000	0.000	0.001	0.001	0
15	9.681	0.000	0.000	0.000	0.000	0	6.863	0.000	0.000	0.014	0.014	8	2.886	0.000	0.000	0.000	0.000	0
16	10.42	0.000	0.000	0.012	0.012	11	6.494	0.000	0.000	0.014	0.014	8	4.211	0.000	0.000	0.009	0.009	3
17	11.28	0.000	0.000	0.012	0.012	12	5.592	0.000	0.000	0.014	0.014	7	4.171	0.000	0.000	0.017	0.017	6
18	10.01	0.000	0.000	0.012	0.012	10	5.998	0.000	0.000	0.001	0.001	1	4.245	0.000	0.000	0.000	0.000	0
19	10.41	0.000	0.000	0.012	0.012	11	5.449	0.000	0.000	0.002	0.002	1	4.340	0.000	0.000	0.010	0.010	4
20	10.47	0.000	0.000	0.013	0.013	12	5.813	0.000	0.000	0.001	0.001	1	4.214	0.000	0.000	0.000	0.000	0
21	10.29	0.000	0.000	0.012	0.012	11	5.005	0.000	0.000	0.001	0.001	0	4.032	0.000	0.000	0.001	0.001	0
22	10.09	0.000	0.000	0.012	0.012	10	4.895	0.000	0.000	0.001	0.001	0	4.058	0.000	0.000	0.000	0.000	0
23	10.01	0.000	0.000	0.012	0.012	10	4.473	0.000	0.000	0.001	0.001	0	3.797	0.000	0.000	0.000	0.000	0
24	10.15	0.000	0.000	0.012	0.012	11	4.952	0.000	0.000	0.001	0.001	0	2.848	0.000	0.000	0.001	0.001	0
25	10.01	0.000	0.000	0.012	0.012	10	4.523	0.000	0.000	0.016	0.016	6	2.904	0.000	0.000	0.000	0.000	0
26	10.02	0.000	0.000	0.012	0.012	10	4.412	0.000	0.000	0.001	0.001	0	2.859	0.000	0.000	0.000	0.000	0
27	9.913	0.000	0.000	0.063	0.063	54	4.412	0.000	0.000	0.001	0.001	0	2.494	0.000	0.000	0.001	0.001	0
28	10.01	0.000	0.000	0.024	0.024	21	4.303	0.000	0.000	0.001	0.001	0	2.190	0.000	0.000	0.001	0.001	0
29	9.869	0.000	0.000	0.000	0.000	0	4.244	0.000	0.000	0.001	0.001	0						
30	9.842	0.000	0.000	0.012	0.012	10	3.750	0.000	0.000	0.017	0.017	6						
31	9.792	0.000	0.000	0.012	0.012	10	3.683	0.000	0.000	0.016	0.016	5						
Ten Daily Mean																		
Ten Daily I	11.38	0.000	0.000	0.015	0.015	15	9.733	0.000	0.000	0.010	0.010	8	3.651	0.000	0.000	0.002	0.002	1
Ten Daily II	10.18	0.000	0.000	0.007	0.007	7	6.911	0.000	0.000	0.008	0.008	5	3.741	0.000	0.000	0.007	0.007	2
Ten Daily III	9.999	0.000	0.000	0.017	0.017	14	4.423	0.000	0.000	0.005	0.005	2	3.148	0.000	0.000	0.001	0.001	0
Monthly																		
Total						370						155						34

Annual Sediment Load (Metric Tonnes) : 79354

Daily Observed Sediment Datasheet for period : 2018-2019

Station Name : Kudige (CC000Y5)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

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Day	Mar						Apr						May					
	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day	Q cumecs.	Coarse g/l	Medium g/l	Fine g/l	Total g/l	Total M.T./day
1	1.975	0.000	0.000	0.000	0.000	0	2.946						2.511					
2	2.006	0.000	0.000	0.012	0.012	2	3.887						2.211					
3	1.965	0.000	0.000	0.001	0.001	0	3.790						2.146					
4	1.300	0.000	0.000	0.001	0.001	0	3.551						1.813					
5	1.328	0.000	0.000	0.001	0.001	0	3.490						1.965					
6	1.185	0.000	0.000	0.012	0.012	1	3.244						1.775					
7	1.047	0.000	0.000	0.001	0.001	0	3.049						2.221					
8	1.049	0.000	0.000	0.012	0.012	1	4.157						1.850					
9	0.965	0.000	0.000	0.012	0.012	1	4.090						2.643					
10	0.831	0.000	0.000	0.012	0.012	1	2.519						1.613					
11	5.116	0.000	0.000	0.009	0.009	4	1.381						1.880					
12	10.58	0.000	0.000	0.008	0.008	7	1.211						2.126					
13	13.72	0.000	0.000	0.000	0.000	0	1.354						1.627					
14	13.49	0.000	0.000	0.011	0.011	13	2.472						3.284					
15	19.13	0.000	0.000	0.010	0.010	17	3.762	No Data Available						No Data Available				
16	19.41	0.000	0.000	0.001	0.001	2	3.702											
17	24.17	0.000	0.000	0.001	0.001	2	2.126											
18	19.19	0.000	0.000	0.010	0.010	17	1.965											
19	6.346	0.000	0.000	0.000	0.000	0	2.656											
20	2.078	0.000	0.000	0.000	0.000	0	3.160											
21	1.386	0.000	0.000	0.000	0.000	0	5.503											
22	1.438	0.000	0.000	0.000	0.000	0	6.983											
23	0.470	0.000	0.000	0.000	0.000	0	5.348											
24	0.740	0.000	0.000	0.000	0.000	0	4.553											
25	1.267	0.000	0.000	0.000	0.000	0	4.124											
26	1.787	0.000	0.000	0.000	0.000	0	3.323											
27	2.504	0.000	0.000	0.000	0.000	0	2.461											
28	2.446	0.000	0.000	0.000	0.000	0	2.656											
29	2.384	0.000	0.000	0.000	0.000	0	2.481											
30	2.193	0.000	0.000	0.000	0.000	0	3.864											
31	2.296	0.000	0.000	0.000	0.000	0							2.190					
Ten Daily Mean																		
Ten Daily I	1.365	0.000	0.000	0.006	0.006	1	3.472						2.075					
Ten Daily II	13.32	0.000	0.000	0.005	0.005	6	2.379						1.955					
Ten Daily III	1.719	0.000	0.000	0.000	0.000	0	4.130						5.539					
Monthly																		

Total

68

Annual Sediment Load (Metric Tonnes) : 79354

Annual Sediment Load for the period: 1974-2019

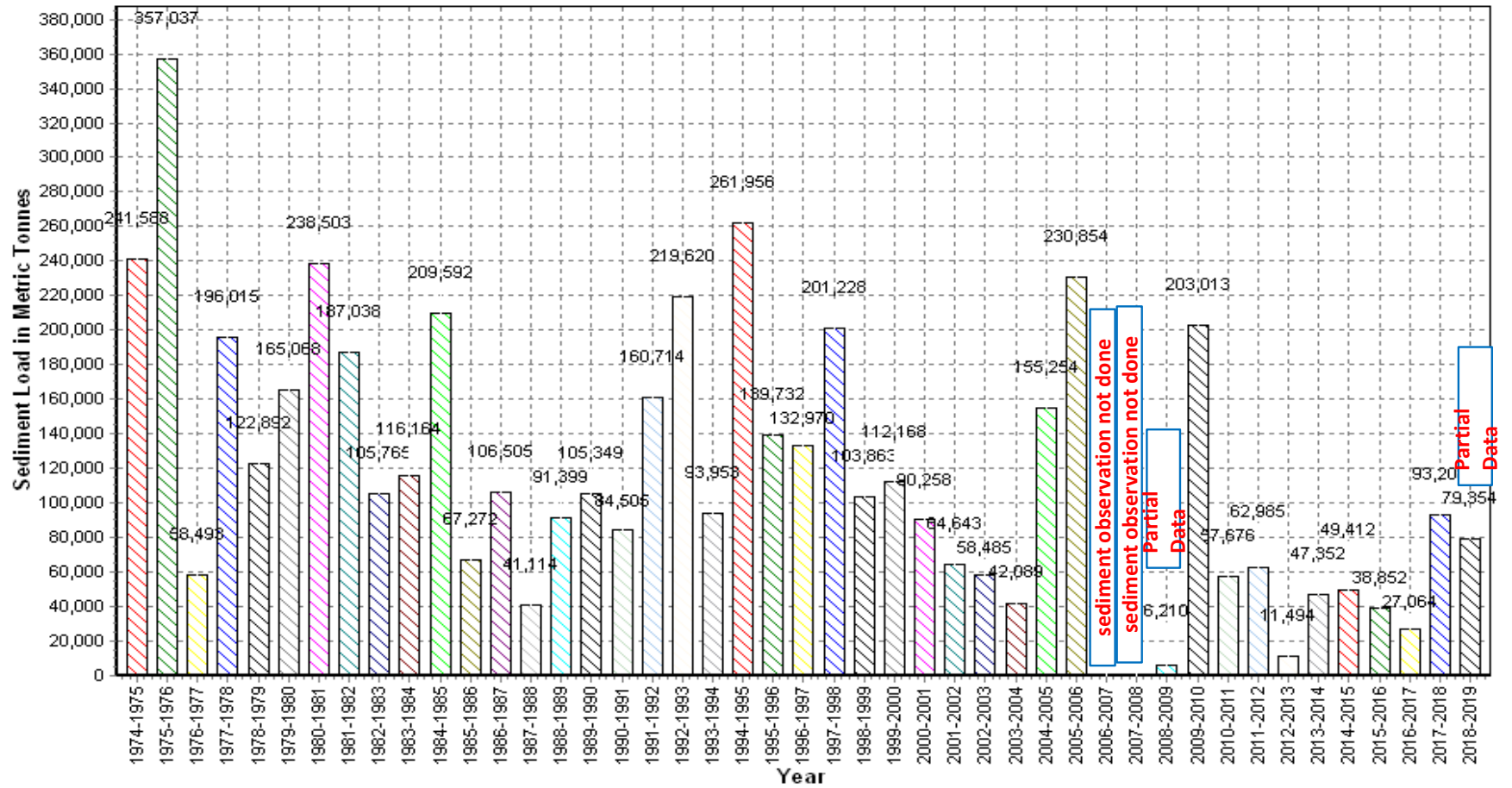
Station Name : Kudige (CC000Y5)

Local River : Cauvery

Division : Cauvery Division, Bangalore

Sub-Division : Upper Cauvery SD, Bangalore

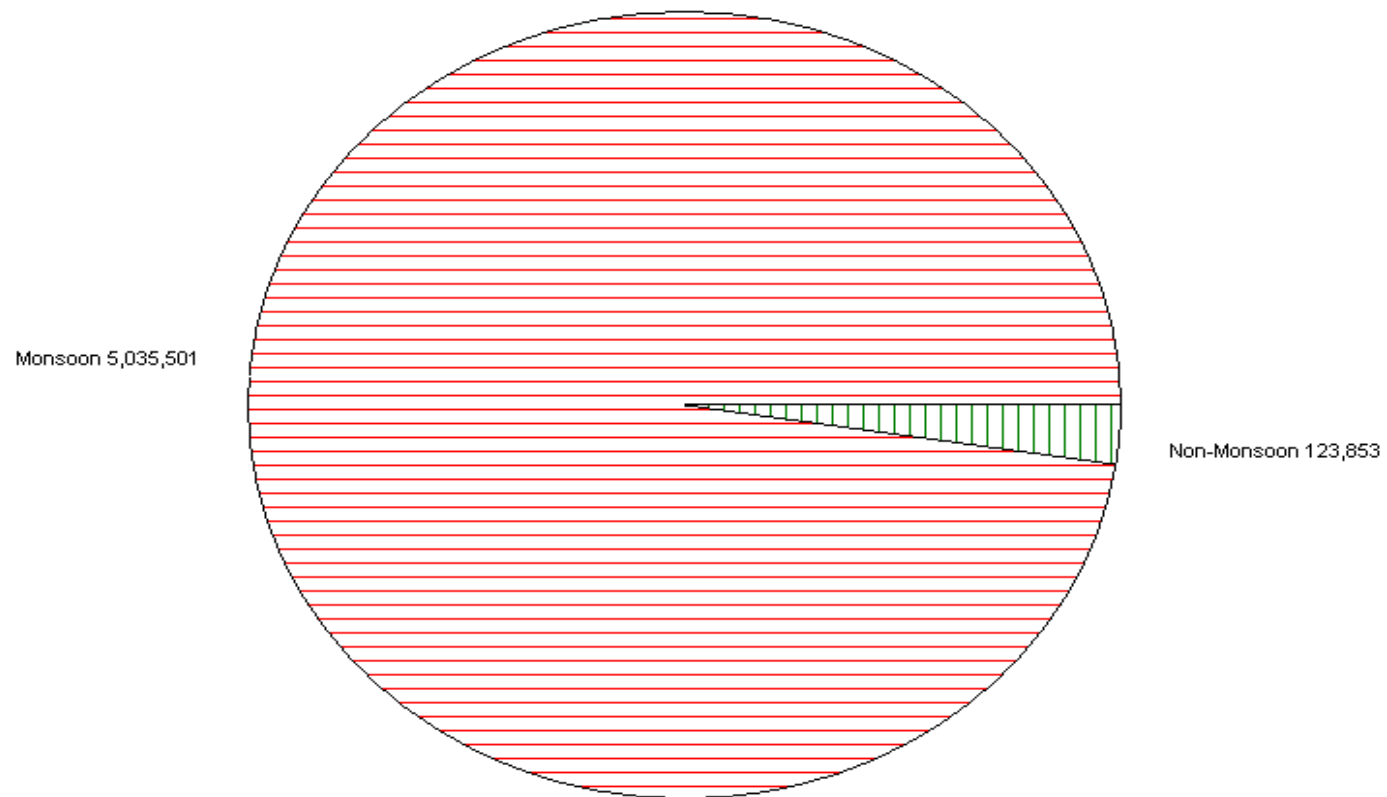
707



Station Name : Kudige (CC000Y5)
Local River : Cauvery

Seasonal Sediment Load for the period : 1974-2018

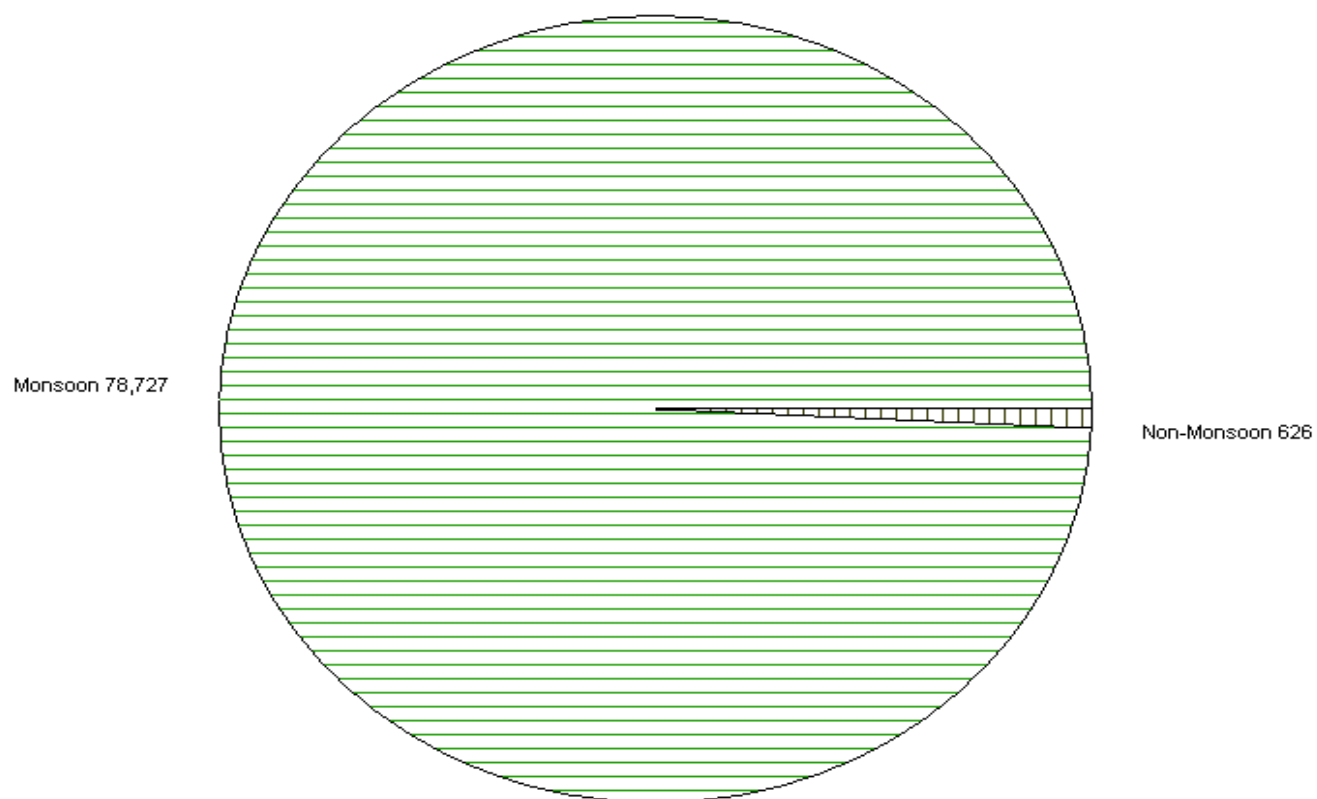
Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



Station Name : Kudige (CC000Y5)
Local River : Cauvery

Seasonal Sediment Load for the Year: 2018-2019

Division : Cauvery Division, Bangalore
Sub-Division : Upper Cauvery SD, Bangalore



BED MATERIAL ANALYSIS DATA

RIVER : Cauvery
SITE : KUDIGE

CODE NO. : CC000Y5
CROSS SECTION : SGL

SL. NO.	DATA FOR SAMPLE COLLECTED										GENERAL DATA OF THE RIVER							
	R.D.NO.	R.L. OF DRY BED (m)	R.L. OF BED LEVEL (m)	W.L. (GTS) OF THE SAMPLING DEPTH (m)	DEPTH OF WATER (m)	WIDTH (m)	VELOCITY (m/Sec)	DISCHARGE (m ³ /Sec)	Bed Material Composition		WETTED PERIMETER (m)	HYDRULIC MEAN DEPTH (m)	MEAN VELOCITY (m/Sec)	SURFACE WATER SLOPE (S)	DISCHARGE (m ³ /Sec)	Bed Material Composition		
									MAX SIZE (mm)	MEAN SIZE (mm)						MAX SIZE (mm)	MEAN SIZE (mm)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
MONSOON 2018 DATE OF COLLECTION																		
1																		
2																		
3																		
4																		
POSTMONSOON 2019 DATE OF COLLECTION																		
1																		
2																		
3																		
4																		
PREMONSOON 2019 DATE OF COLLECTION																		
1																		
2																		
3																		
4																		

ABBREVIATION AND SYMBOLS

Av.	:	Average
Cumecs	:	Cubic meter per second
Cum	:	Cubic meter
D	:	Days
Q	:	Discharge
G	:	Gauge
GD	:	Gauge Discharge
GDS	:	Gauge Discharge Sediment
GDSQ	:	Gauge Discharge Sediment & Water Quality
G.T.S.	:	Great Trigonometrical Survey
Km.	:	Kilometer
CD	:	Cauvery Division, Bangalore.
HD	:	Hydrology Division, Chennai.
SRD	:	Southern Rivers Division, Coimbatore
SWRD	:	South Western Rivers Division, Cochin.
m.	:	Meter
mm.	:	Millimeter
m/s.	:	Meter per Second
MCM	:	Million Cubic Meter
Max.	:	Maximum
Min.	:	Minimum
M.S.L.	:	Mean Sea Level
R.L.	:	Reduced Level
Sec.	:	Second
CGL	:	Central Gauge Line
Sq.Km.	:	Square Kilometer
W.L.	:	Water Level
W.Year	:	Water Year
W.Q.	:	Water Quality
°	:	Degree (30°)
'	:	Minute (25')
”	:	Second (50")
*	:	Estimated Discharge
#	:	Discarded Discharge