People's Republic of Bangladesh
Ministry of Water Resources

Flood Plan Coordination Organisation

BANGLADESH FLOOD ACTION PLAN

JAMALPUR PRIORITY PROJECT

Caisse Francaise de Developpement

PRELIMINARY CONTRACT

HYDROLOGICAL SURVEY

FINAL REPORT

Volume II : Appendices

MARCH 1995

Consortium

SOGREAH - HALCROW - EPC - AQUA

2

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SOGREAH Ingenierie
Sir William Halcrow & Partners Limited
Engineering & Planning Consultants Ltd.
AQUA Consultants and Associates Ltd.

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APPENDIX - A

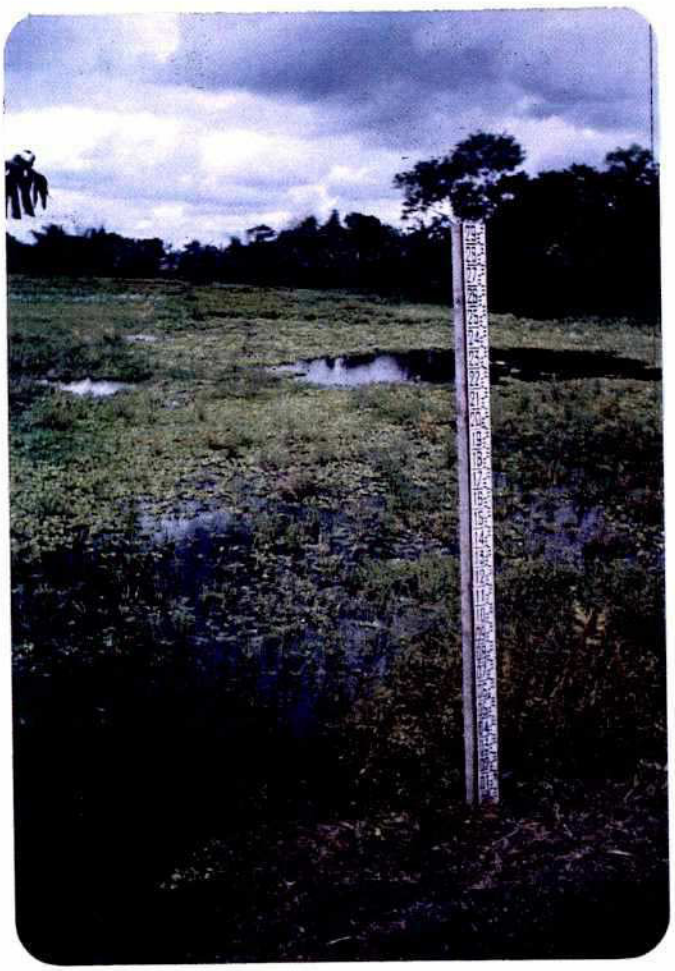
LOCATIONS OF GAUGE STATIONS

(Photographs and 1:50,000 maps)

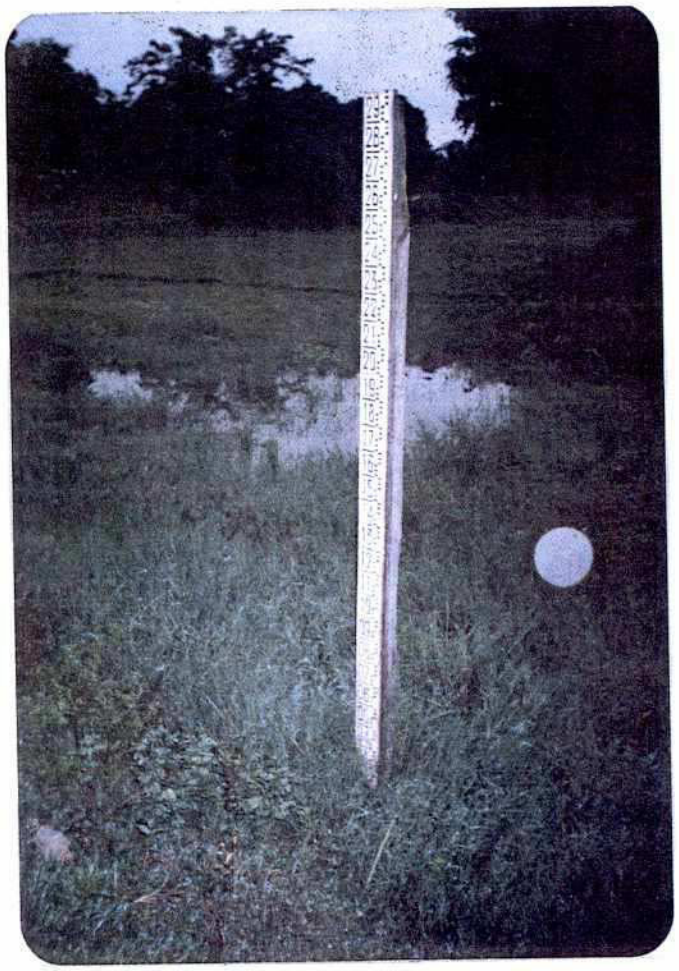
Gauge Station : 01 Belamari

Gauge Station : 02 Char Atia Para

Gauge Station : 03 Dhalua Bari



Gauge Station : 04 Hat Gobindah



Gauge Station : 05 Gobindapur

Gauge Station : 06 Poyla Bridge

Gauge Station : 07 Khashimara

Gauge Station : 08 Islampur

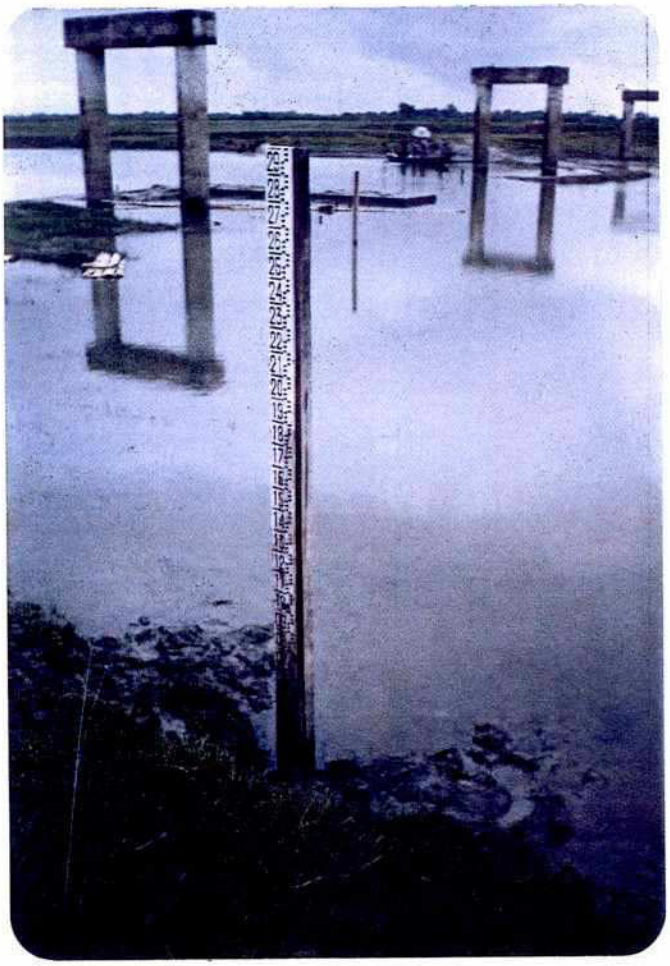
Gauge Station : 09 Delirpar

Gauge Station : 10 Madhya Char

Gauge Station : 11 Hajipur

Gauge Station : 12 Benjail Rampur

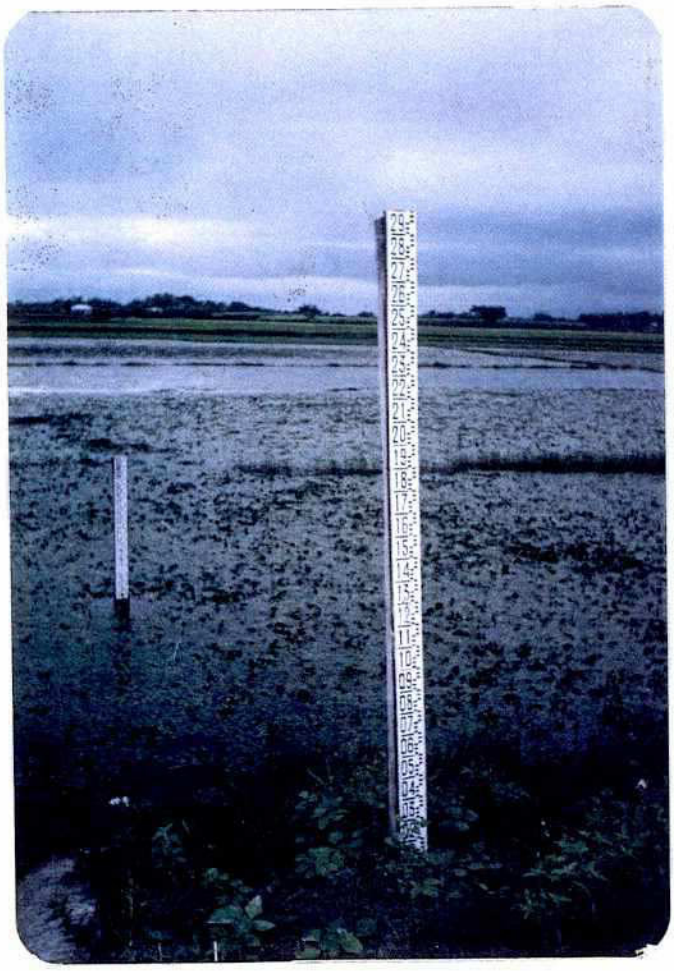
Gauge Station : 13 Jhalopara



Gauge Station : A Jatirpar Bridge

Gauge Station : B Tupkar Char

Gauge Station : C Putdanga Railway Bridge



Gauge Station : D Gujumari Railway Bridge

Gauge Station : F Khudur Kanda

Gauge Station : G Mohisbathan

Gauge Station : H Naoghata Bridge

Gauge Station : I Char Bhatiani

Gauge Station : J Char Jorkhali

Gauge Station : K Helencha Bari

Gauge Station : L Bausi Railway Bridge

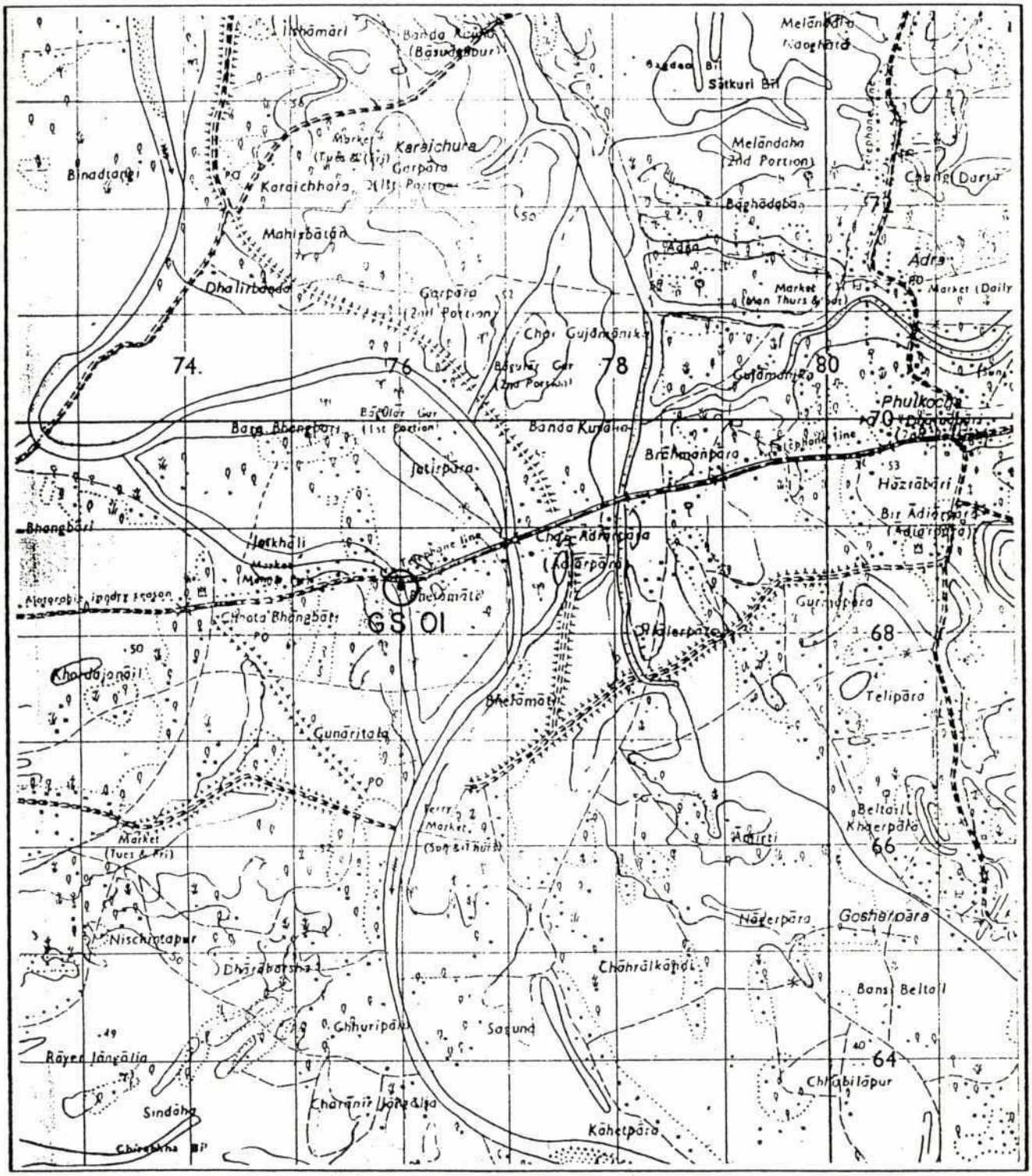
Gauge Station : M Jhenai Railway Bridge

River : Kalumondals Daha

GAUGE STATION NO : 1 LOCATION : Belamari

GRID : Lat. 24° 54′ 48″ MAP SHEET : 78 H/13

Long. 89° 46′ 50″



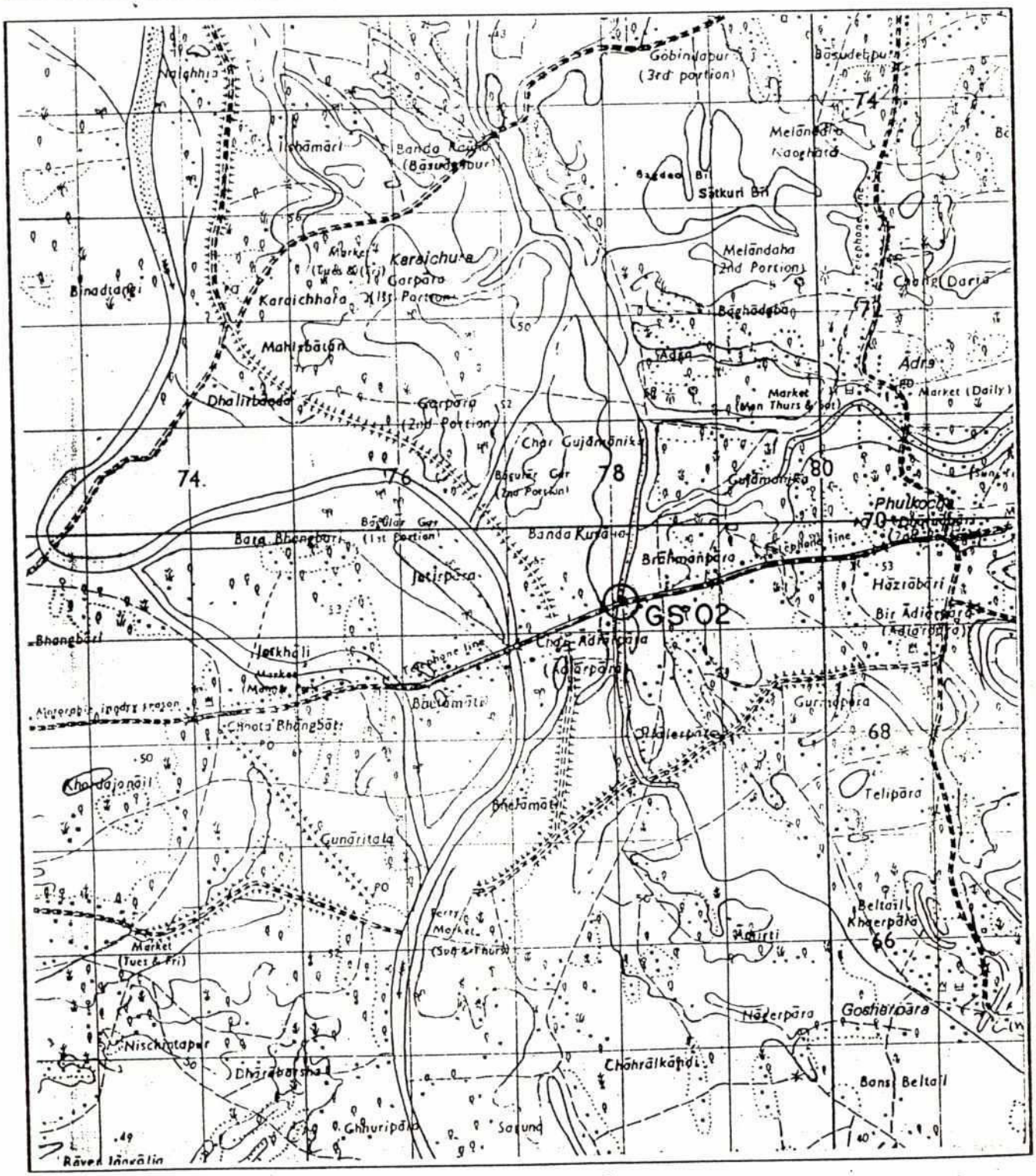
Location of gauge shown on 1:50,000 scale map

River : Datbhanga

GAUGE STATION NO : 2 LOCATION : Char Atiapara

GRID : Lat. 24° 55′ 06″ MAP SHEET : 78 H/13

Long. 89° 48′ 08″



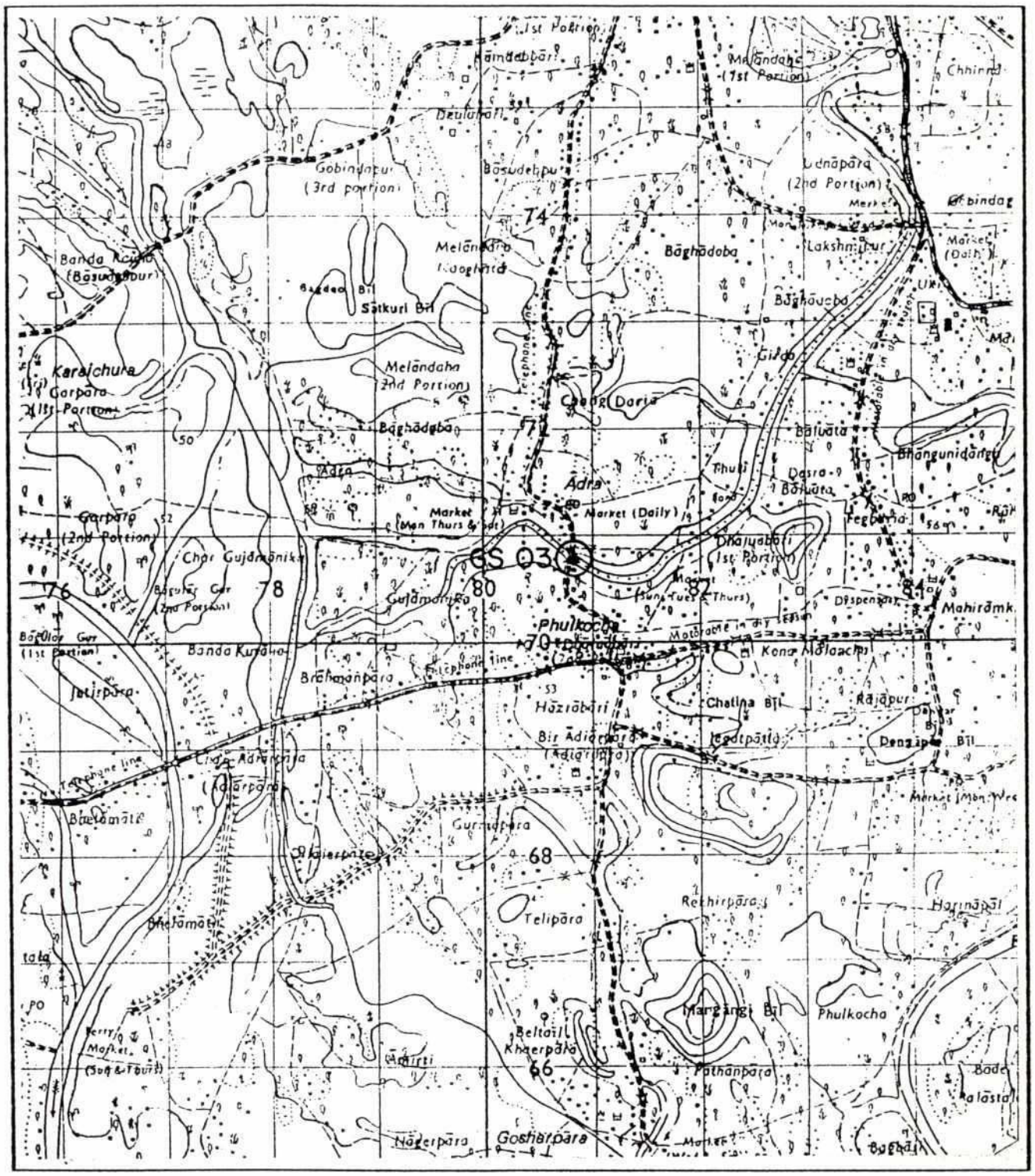
Location of gauge shown on 1:50,000 scale map

River : Lohajong

GAUGE STATION NO : 3 LOCATION : Dhaluabari

GRID : Lat. 24° 55′ 55″ MAP SHEET : 78 H/13

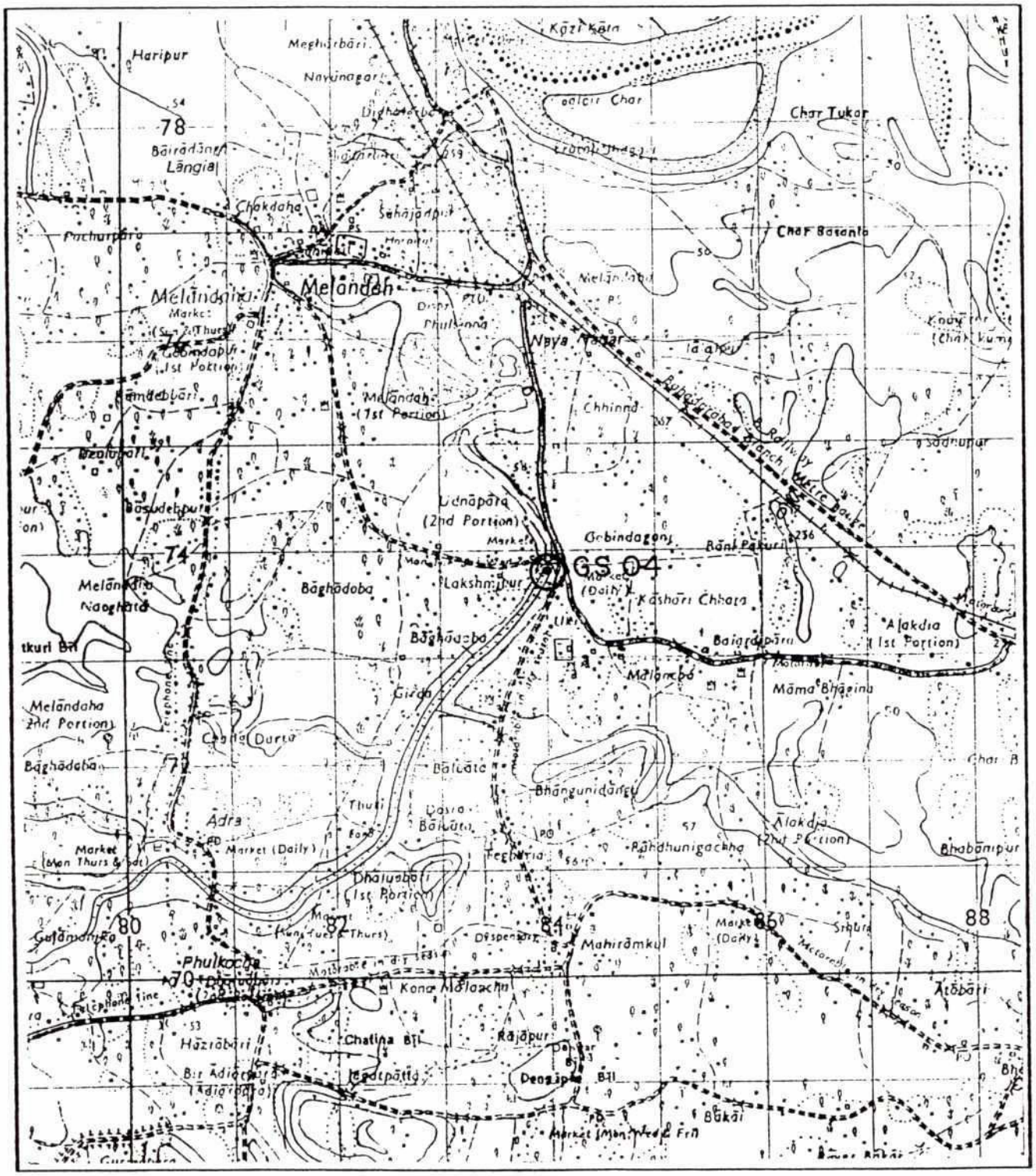
Long. 89° 49′ 32″



Location of gauge shown on 1:50,000 scale map

22

River : Nangla Khal	
GAUGE STATION NO : 4	LOCATION : Hat Gobindah (Melandah)
GRID : Lat. 24° 57′ 26″	MAP SHEET : 78 H/13
Long. 89° 51′ 20″	



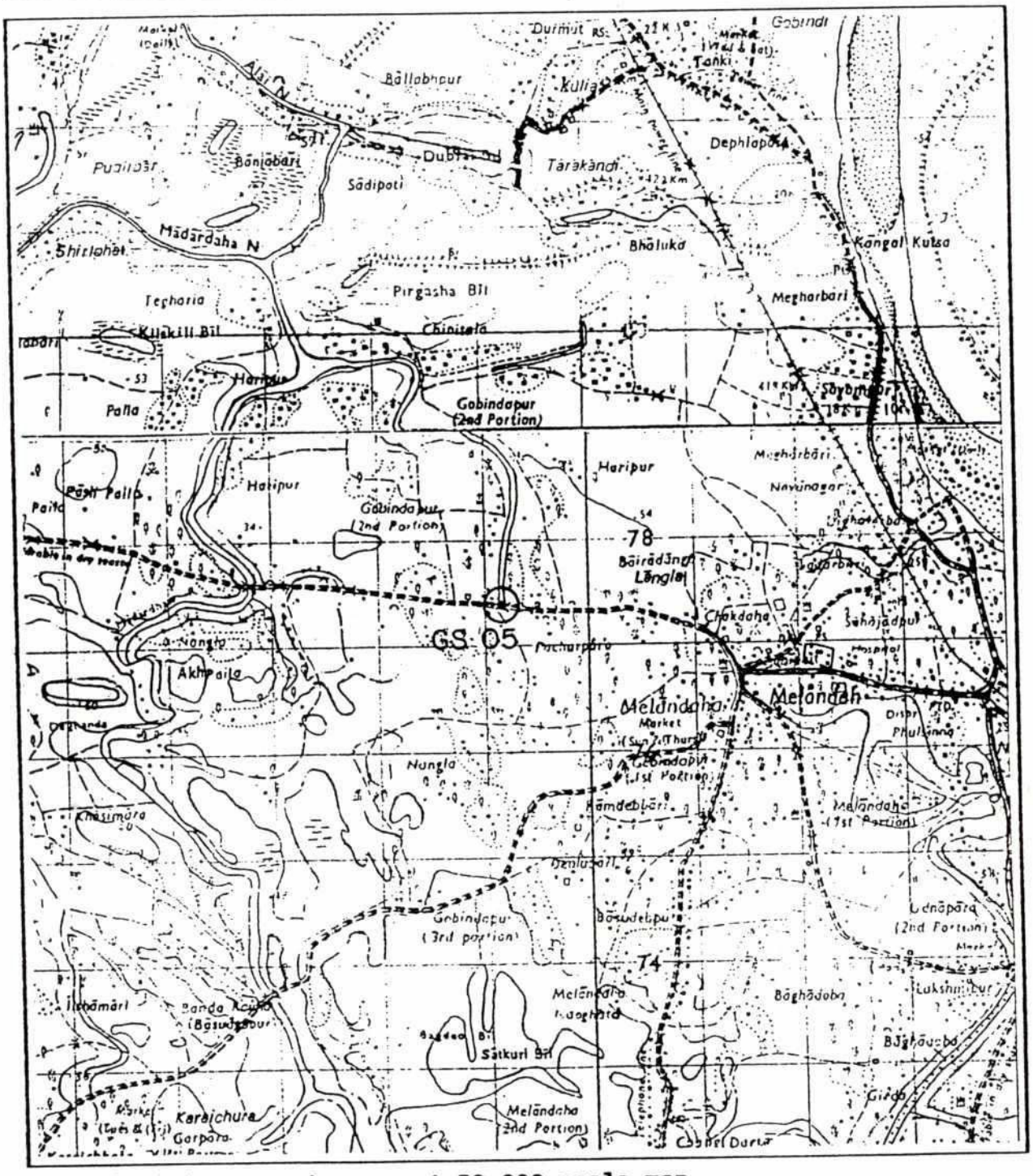
Location of gauge shown on 1:50,000 scale map

River : Nangla Khal

GAUGE STATION NO : 5 LOCATION : Gobindapur

GRID : Lat. 24° 59′ 08″ MAP SHEET : 78 H/13

Long. 89° 48′ 39″



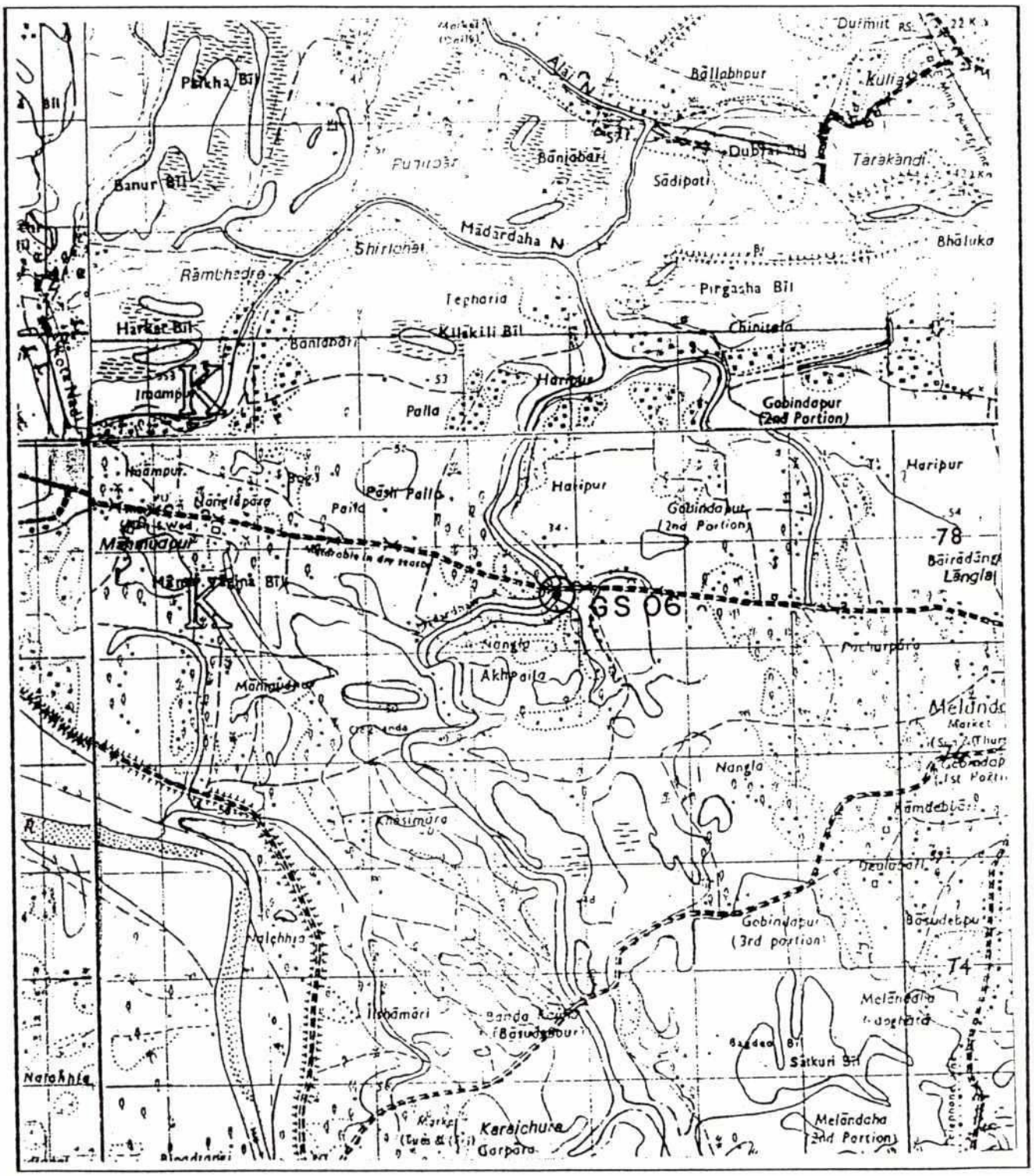
Location of gauge shown on 1:50,000 scale map

River : **Madardaha**

GAUGE STATION NO : 6 LOCATION : Poyla Bridge

GRID : Lat. 24° 59′ 17″ MAP SHEET : 78 H/13

Long. 89° 47′ 23″



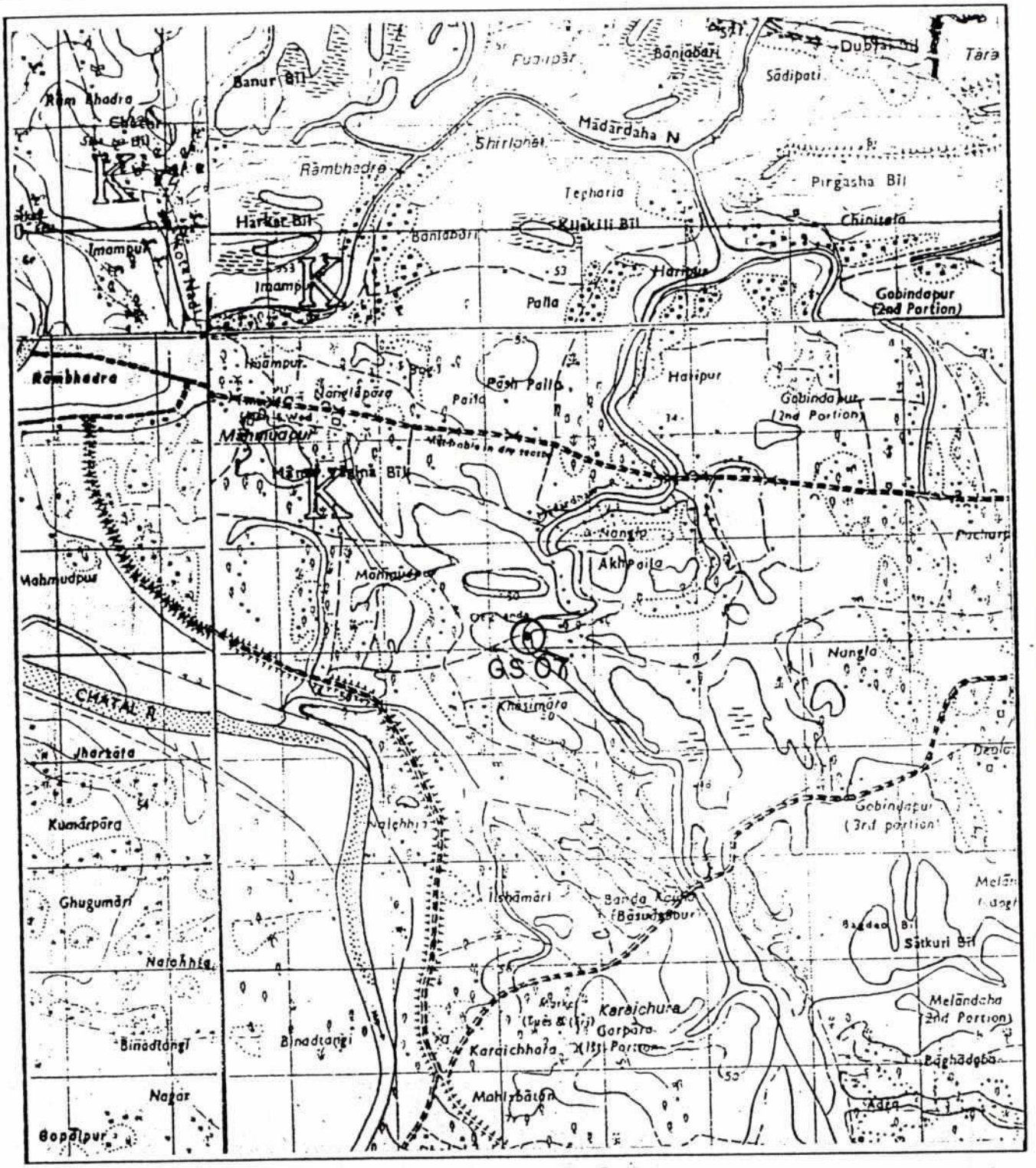
Location of gauge shown on 1:50,000 scale map

River : Madardaha

GAUGE STATION NO : 7 LOCATION : Khashimara

GRID : Lat. 24° 58′ 37″ MAP SHEET : 78 H/13

Long. 89° 46′ 38″



Location of gauge shown on 1:50,000 scale map

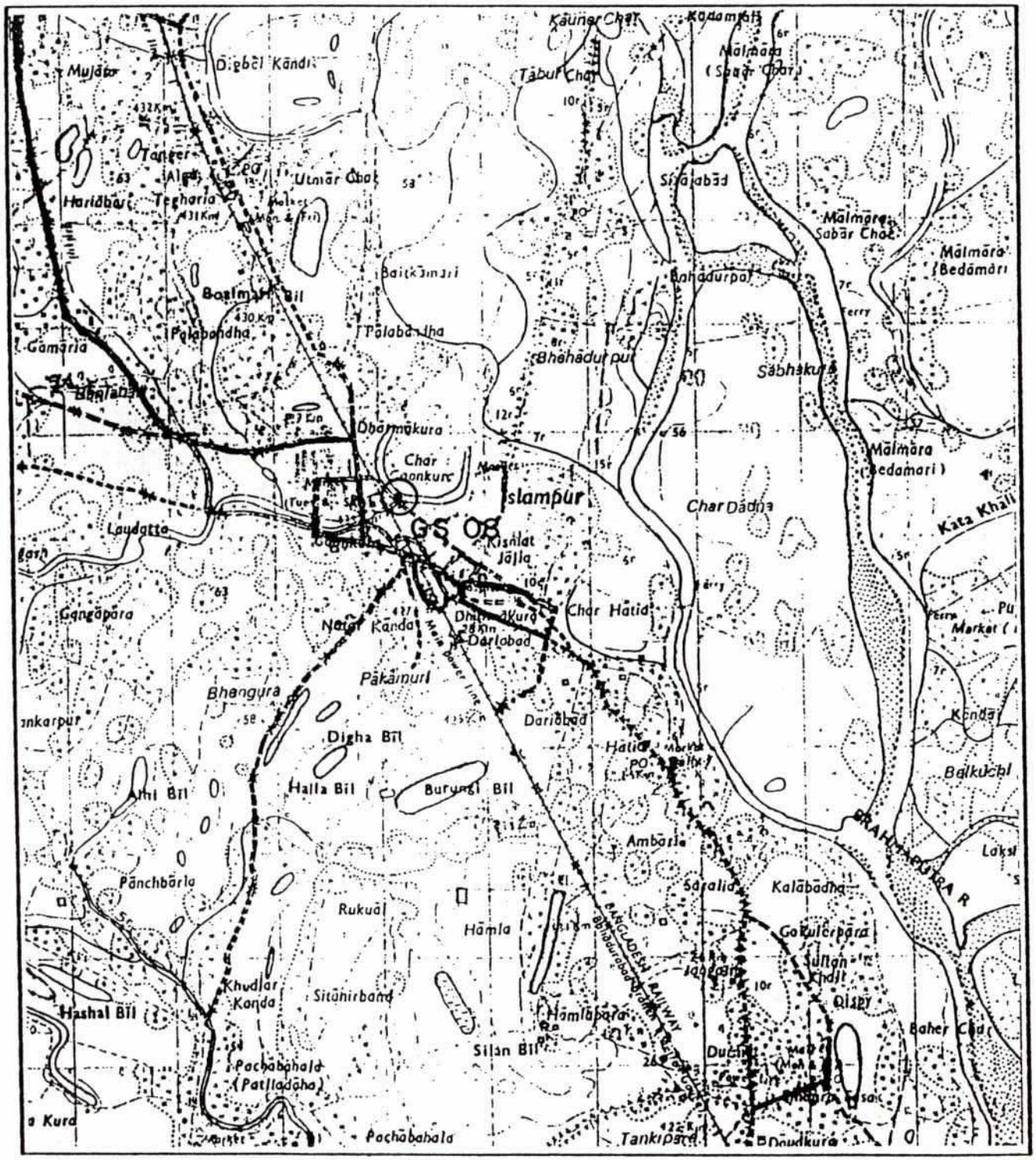
26

River : Branch of Old Brahmaputra

GAUGE STATION NO : 8 LOCATION : Islampur

GRID : Lat. 24° 05′ 03″ MAP SHEET : 78 G/16

Long. 89° 47′ 29″



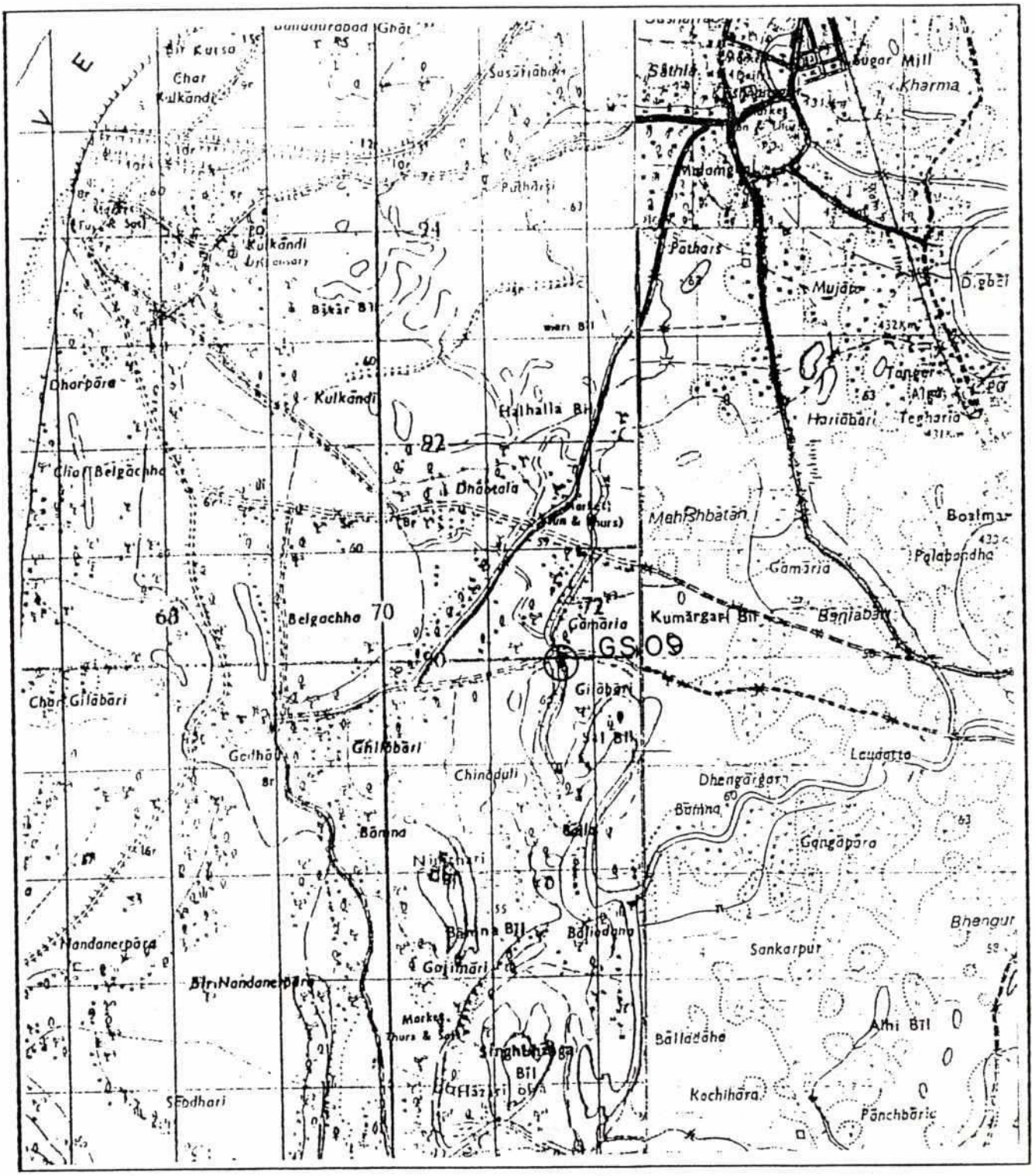
Location of gauge shown on 1:50,000 scale map

River : Deli

GAUGE STATION NO : 9 LOCATION : Delipur

GRID : Lat. 25 05 23 MAP SHEET : 78 G/12

Long. 89 44 25



Location of gauge shown on 1:50,000 scale map

28

River : Bhabki Khal

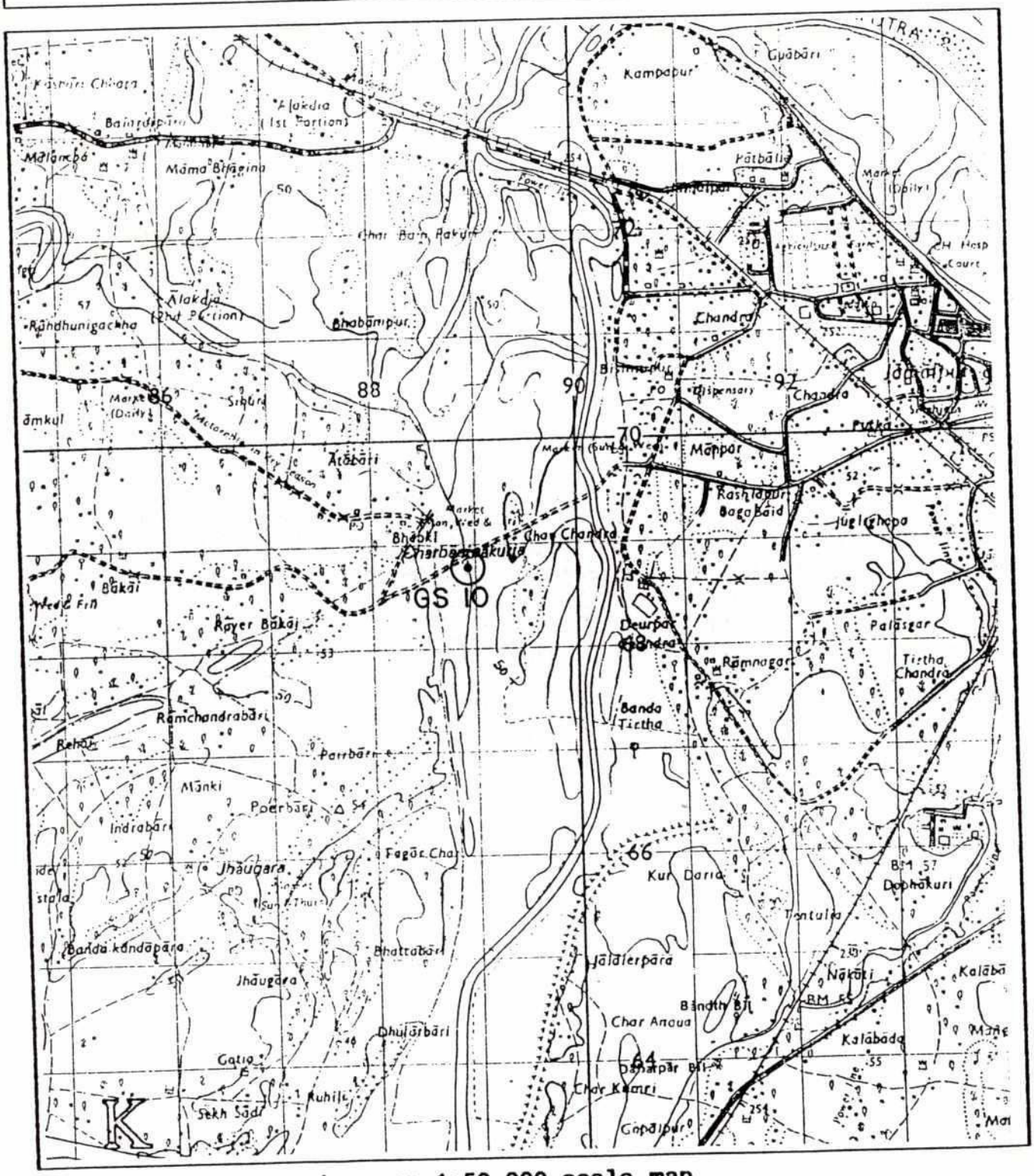
GAUGE STATION NO : 10

LOCATION : Madhya Char

GRID : Lat. 24 54 58

Long. 89 53 57

MAP SHEET : 78 H/13



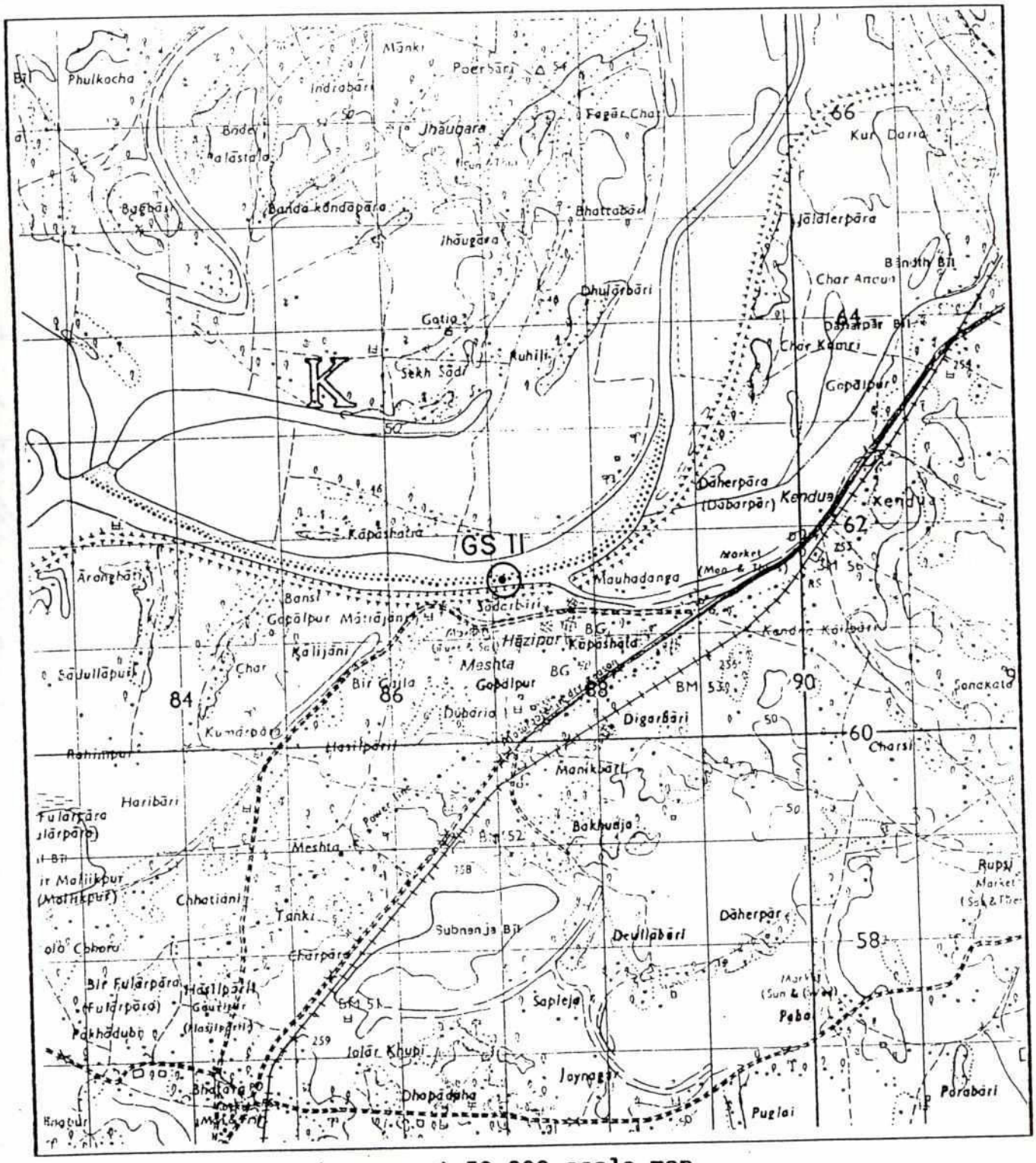
Location of gauge shown on 1:50,000 scale map

River : Jhinai

GAUGE STATION NO : 11 LOCATION : Hazipur

GRID : Lat. 24° 51′ 14″ MAP SHEET : 78 H/13

Long. 89° 52′ 59″



Location of gauge shown on 1:50,000 scale map

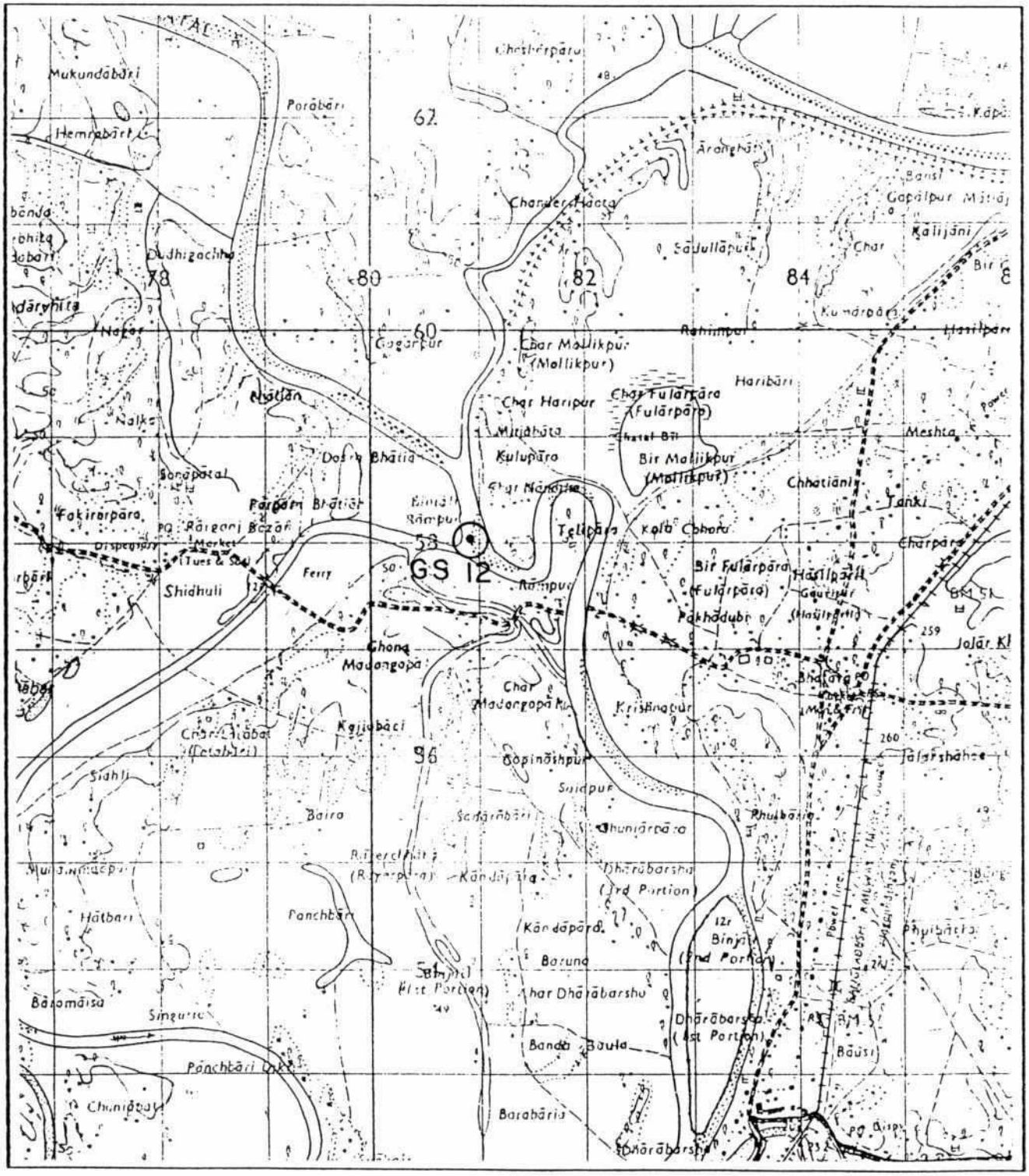
30

River : Jhinai/Chatal

GAUGE STATION NO : 12 LOCATION : Benjail Rampur

GRID : Lat. 24 49 36 MAP SHEET : 78 H/13

Long. 89 49 37



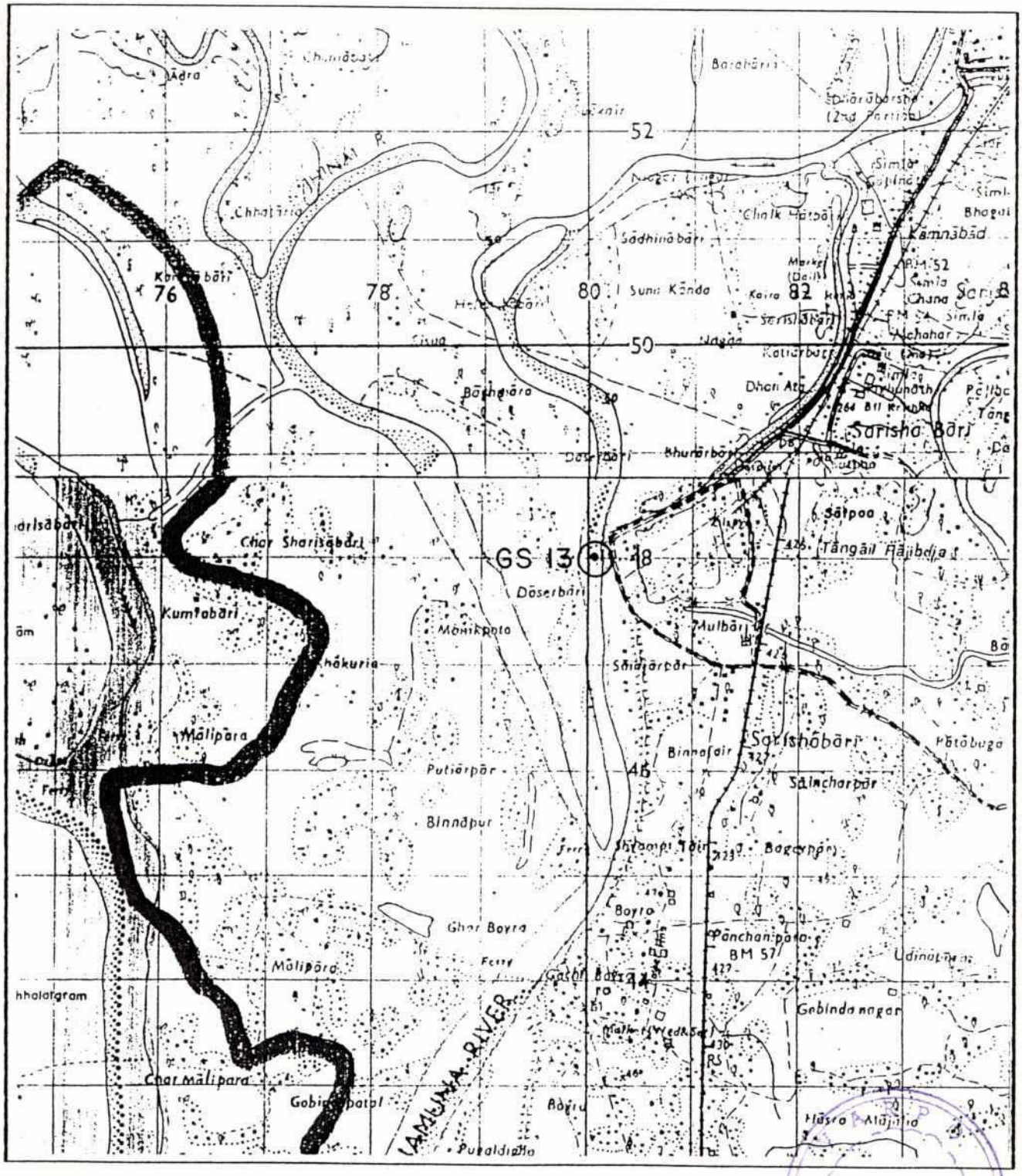
Location of gauge shown on 1:50,000 scale map

River : Branch of Jamuna

GAUGE STATION NO : 13 LOCATION : Jhaloparar

GRID : Lat. 24 44 37 MAP SHEET : 78 H/13

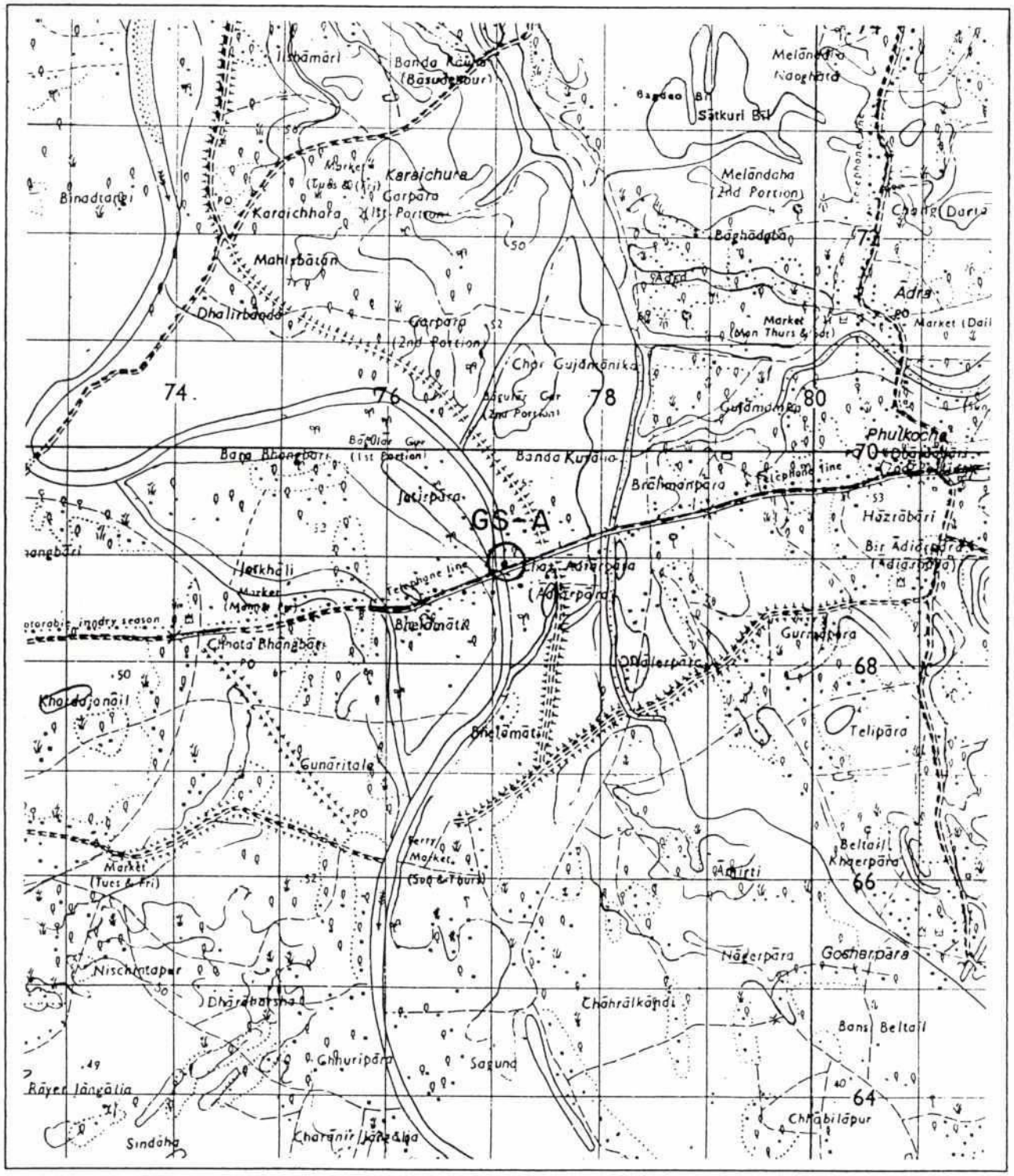
Long. 89 49 23



Location of gauge shown on 1:50,000 scale map

32

RIVER : Chatal Khal	
GAUGE STATION NO : A	LOCATION : Jatir Par
GRID : Lat. 24 54 58	MAP SHEET: 78 H/13
Long. 89 47 34	



Location of gauge shown on 1:50,000 scale map.

RIVER : Old Brahmaputra

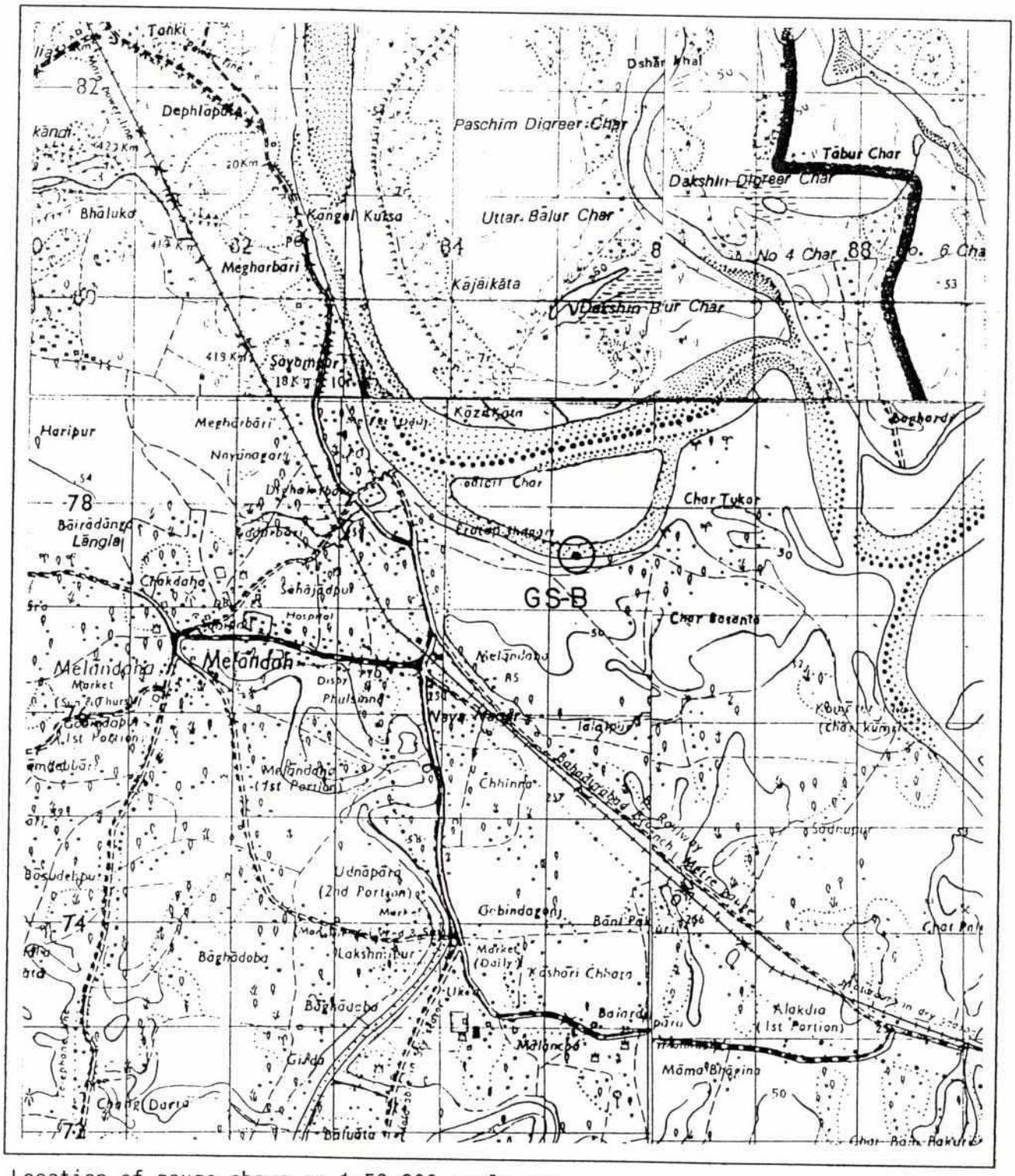
GAUGE STATION NO : B

LOCATION : Tupkar char

GRID : Lat. 24 59 07

Long. 89 52 07

MAP SHEET: 78 H/13



Location of gauge shown on 1:50,000 scale map.

34

RIVER : Branch of Old Brahmaputra

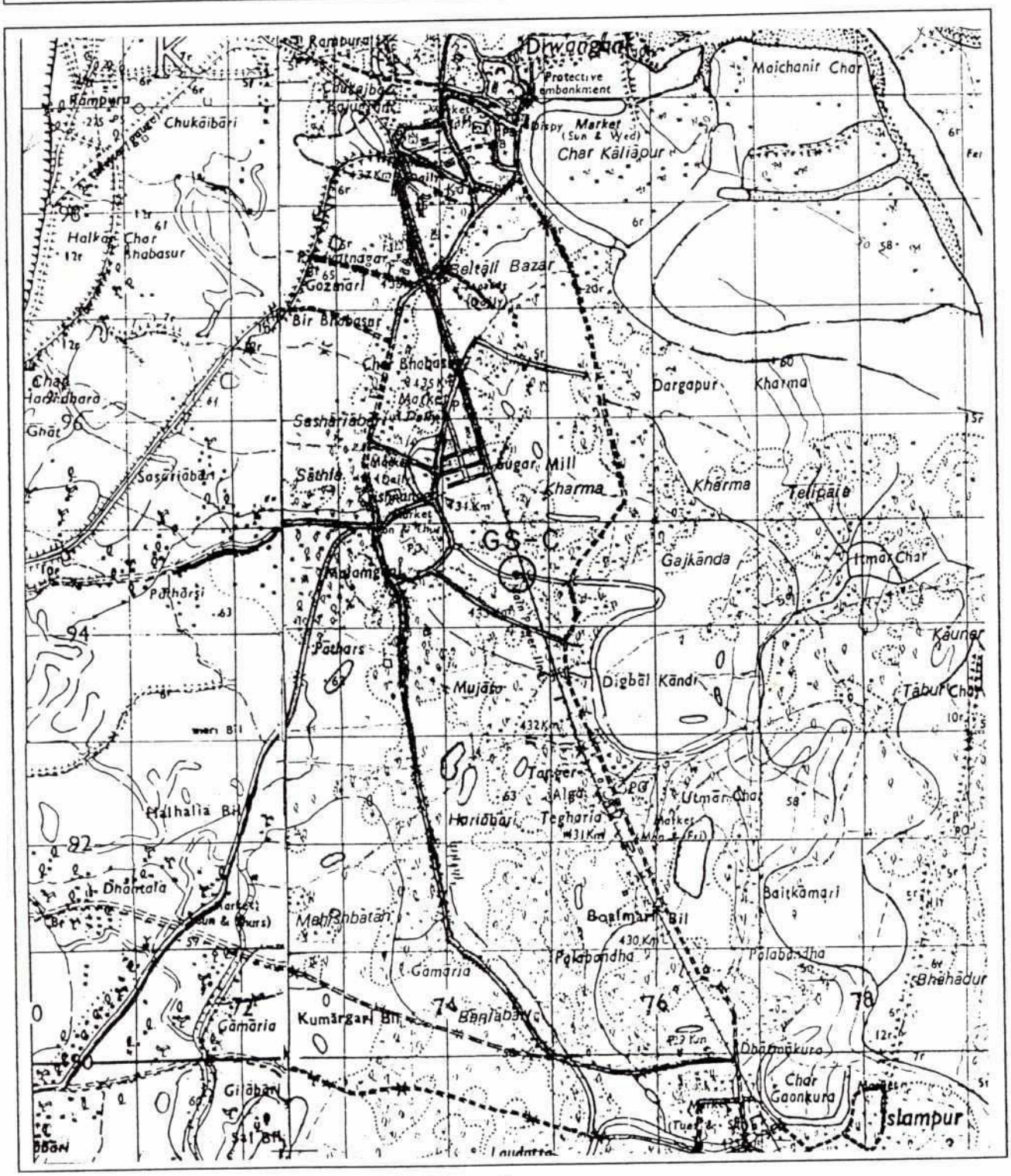
GAUGE STATION NO : C

LOCATION : Putdanga Rly.Bridge

GRID : Lat. 25 07 36

Long. 89 46 06

MAP SHEET: 78 G/16



Location of gauge shown on 1:50,000 scale map.

RIVER : Beel (Connection with Jamuna)

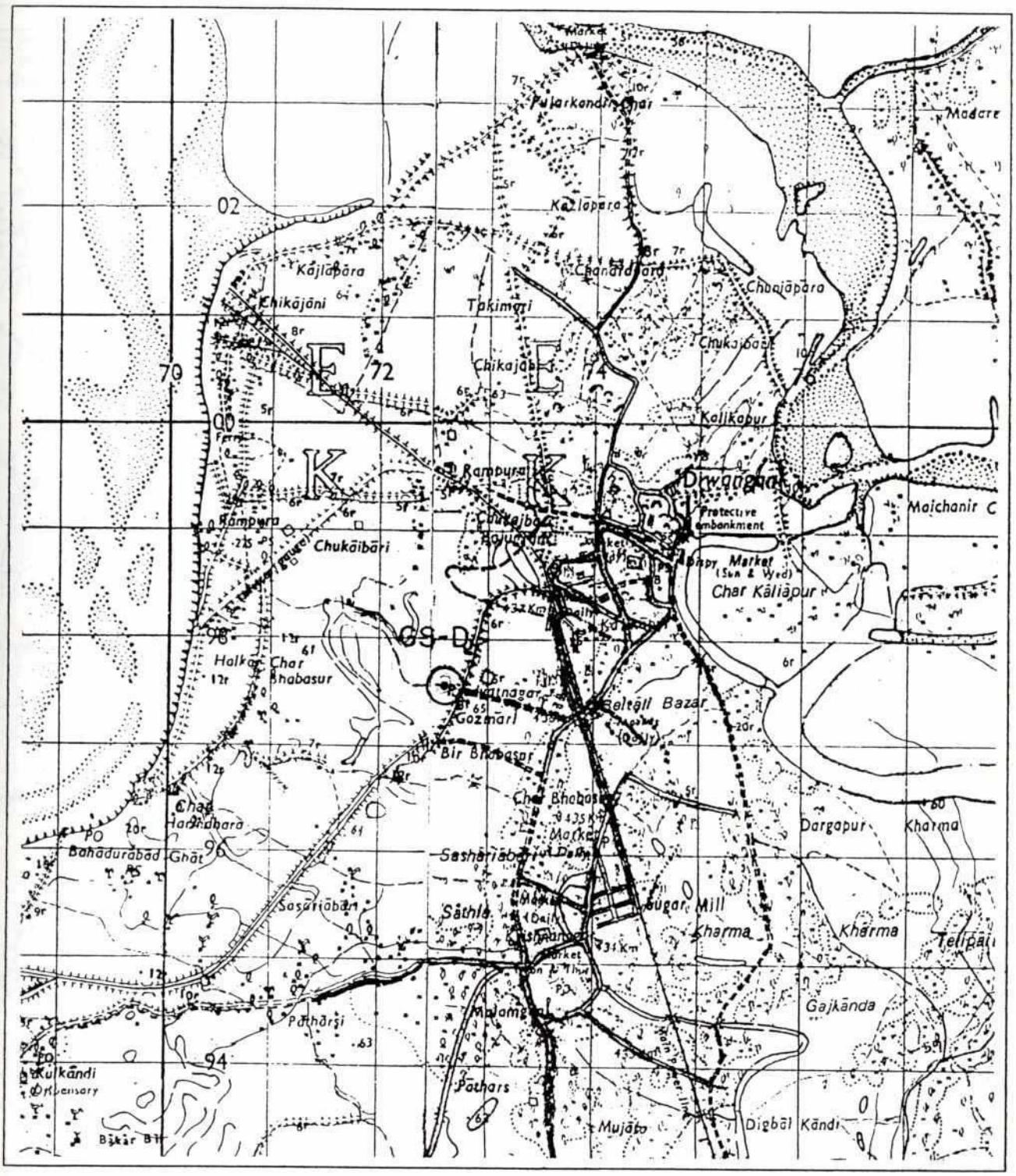
GAUGE STATION NO : D

LOCATION : Guzimari Rly. Bridge

GRID : Lat. 25 09 27

Long. 89 45 03

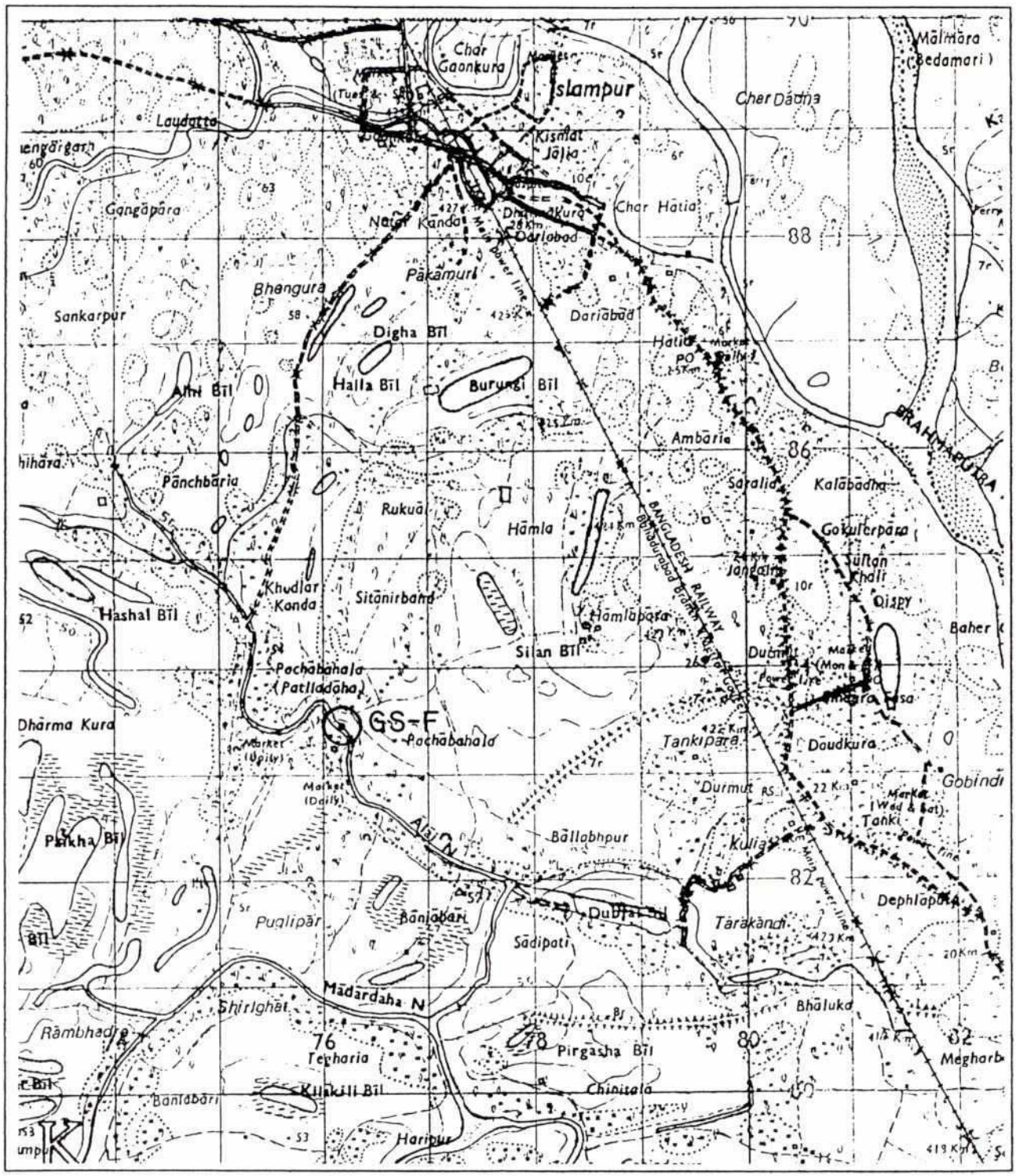
MAP SHEET: 78 G/16



Location of gauge shown on 1:50,000 scale map.

36

RIVER : Datbhanga	
GAUGE STATION NO : F	LOCATION : Khudur Kanda
GRID : Lat. 25 02 13	MAP SHEET: 78 G/16
Long. 89 46 52	



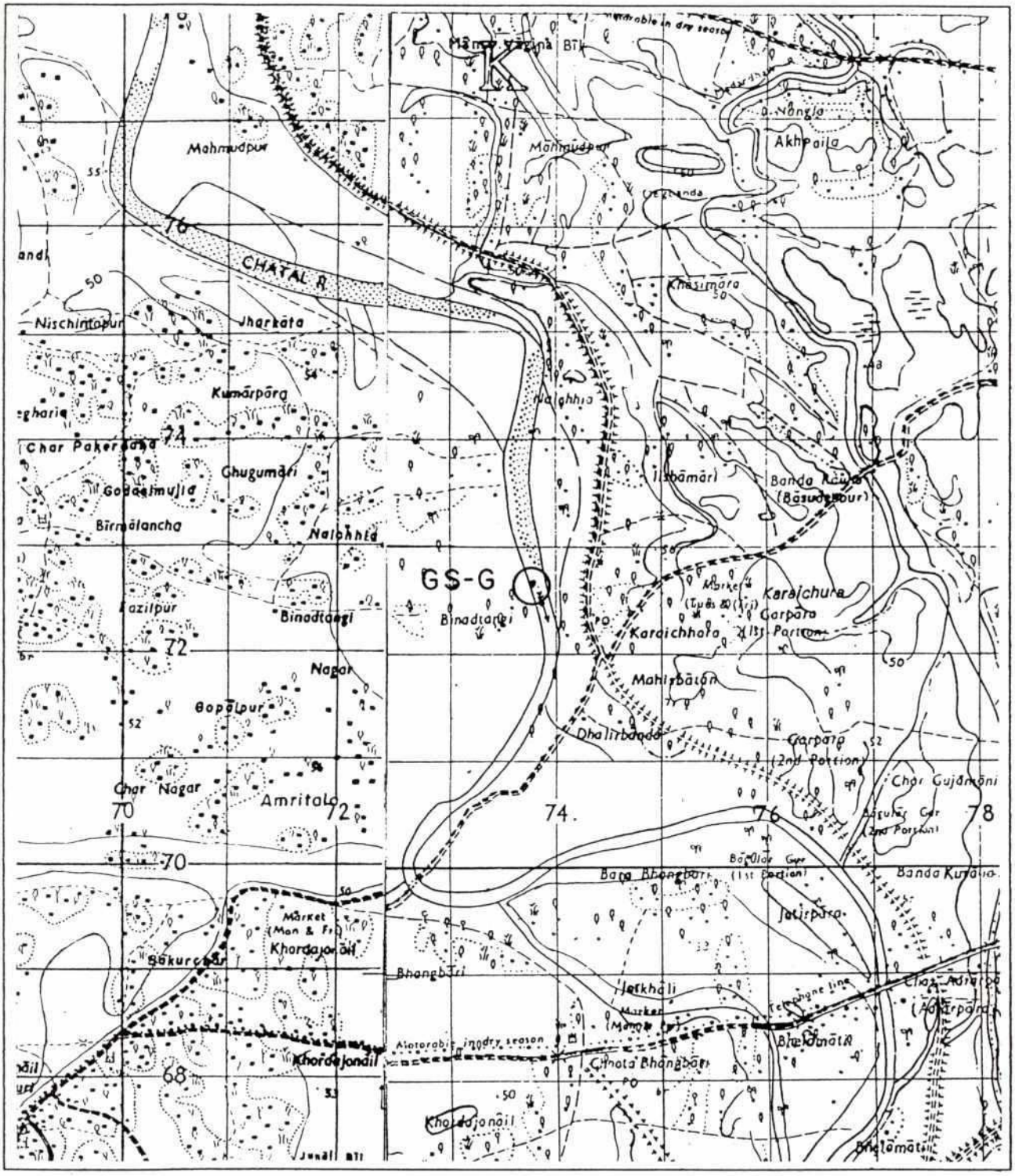
Location of gauge shown on 1:50,000 scale map.

RIVER : Chatal Khal

GAUGE STATION NO : G LOCATION : Mahisbatan

GRID : Lat. 24 56 43 MAP SHEET: 78 H/13

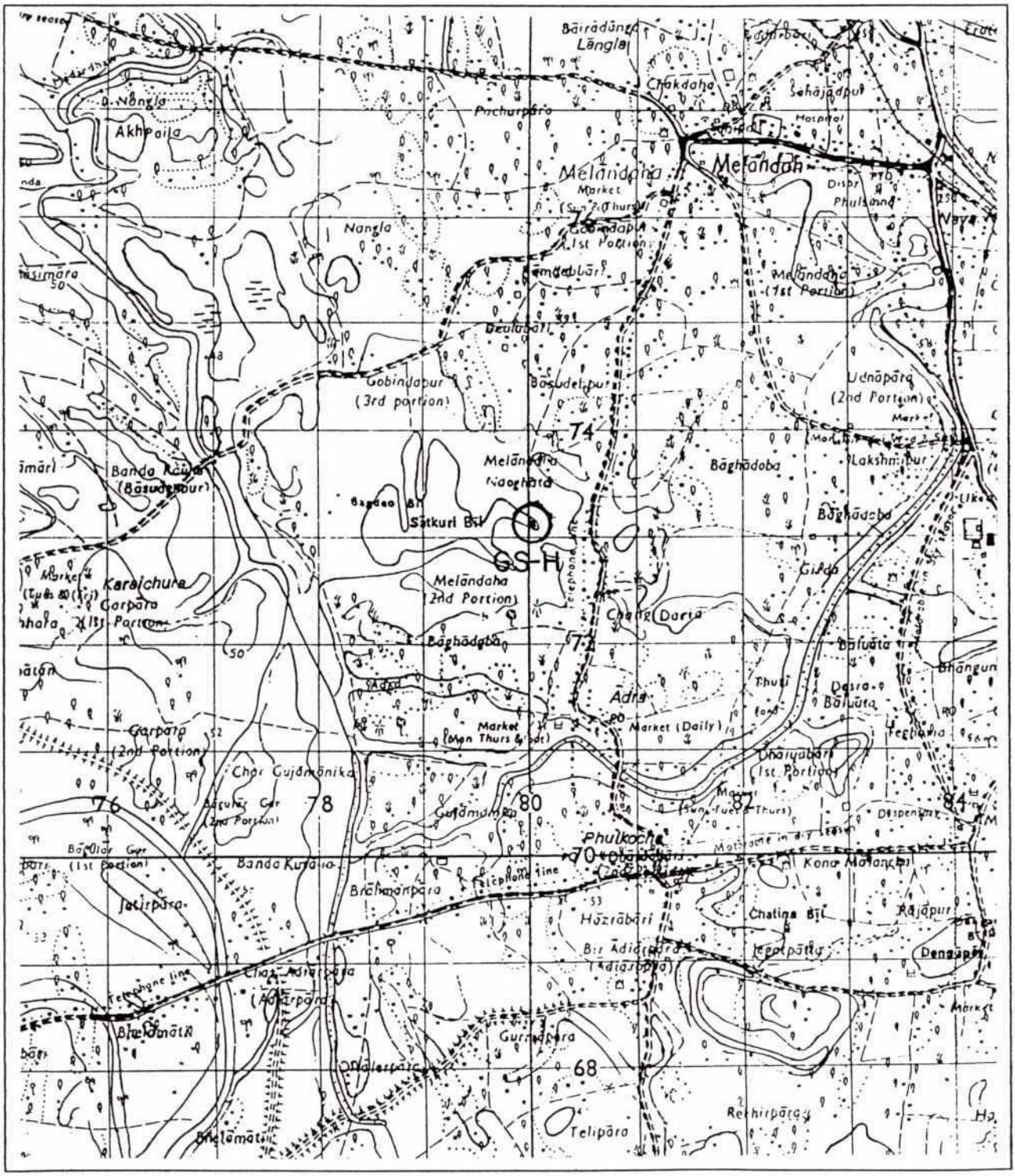
Long. 89 45 47



Location of gauge shown on 1:50,000 scale map.

38

RIVER : Satkuri Beel	
GAUGE STATION NO : H	LOCATION : Naoghata Bridge
GRID : Lat. 24 57 08	MAP SHEET: 78 H/13
Long. 89 49 22	



Location of gauge shown on 1:50,000 scale map.

RIVER : Chatal Khal

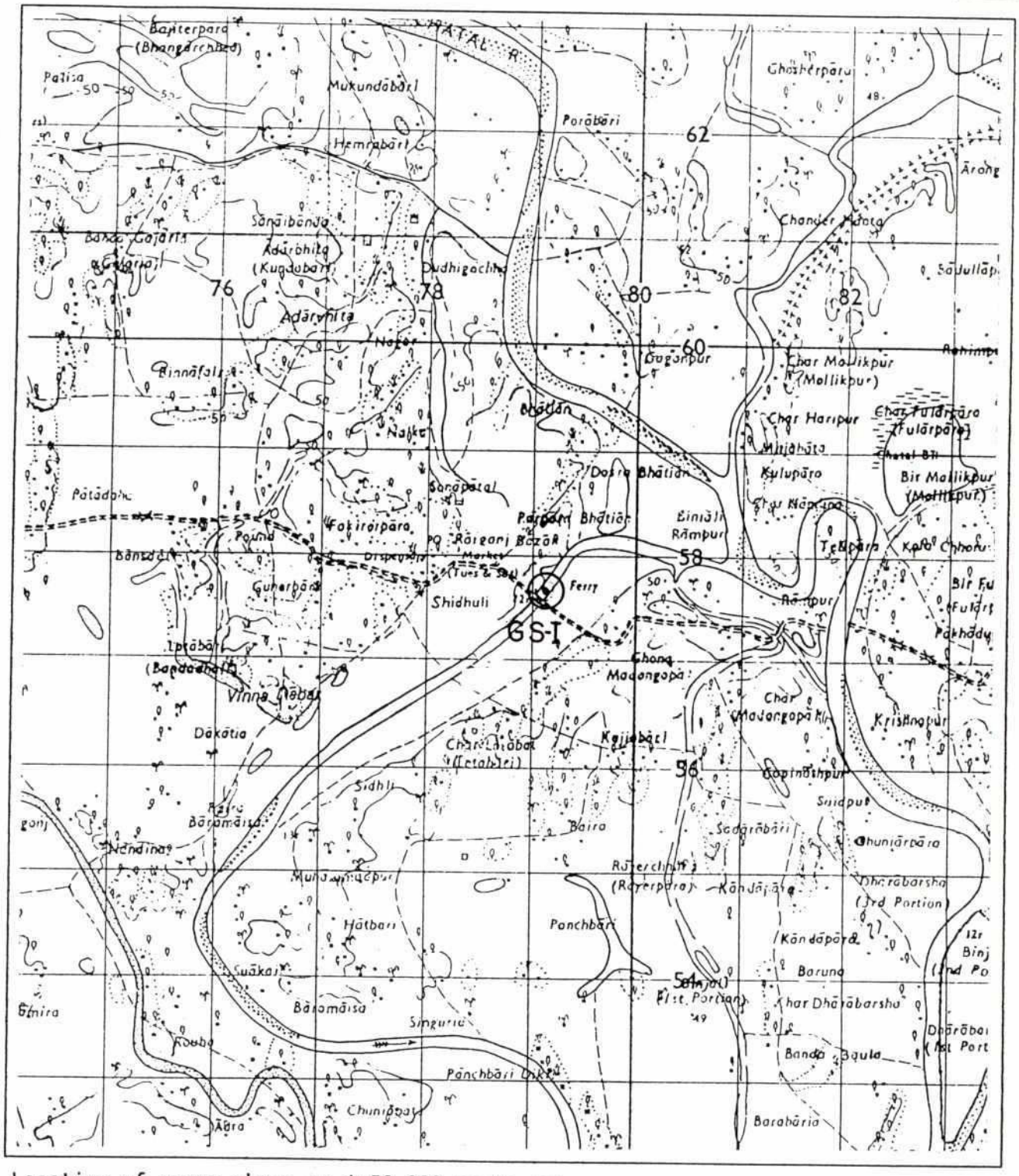
GAUGE STATION NO : I

LOCATION : Char Bhatiani

GRID : Lat. 24 49 23

Long. 89 48 41

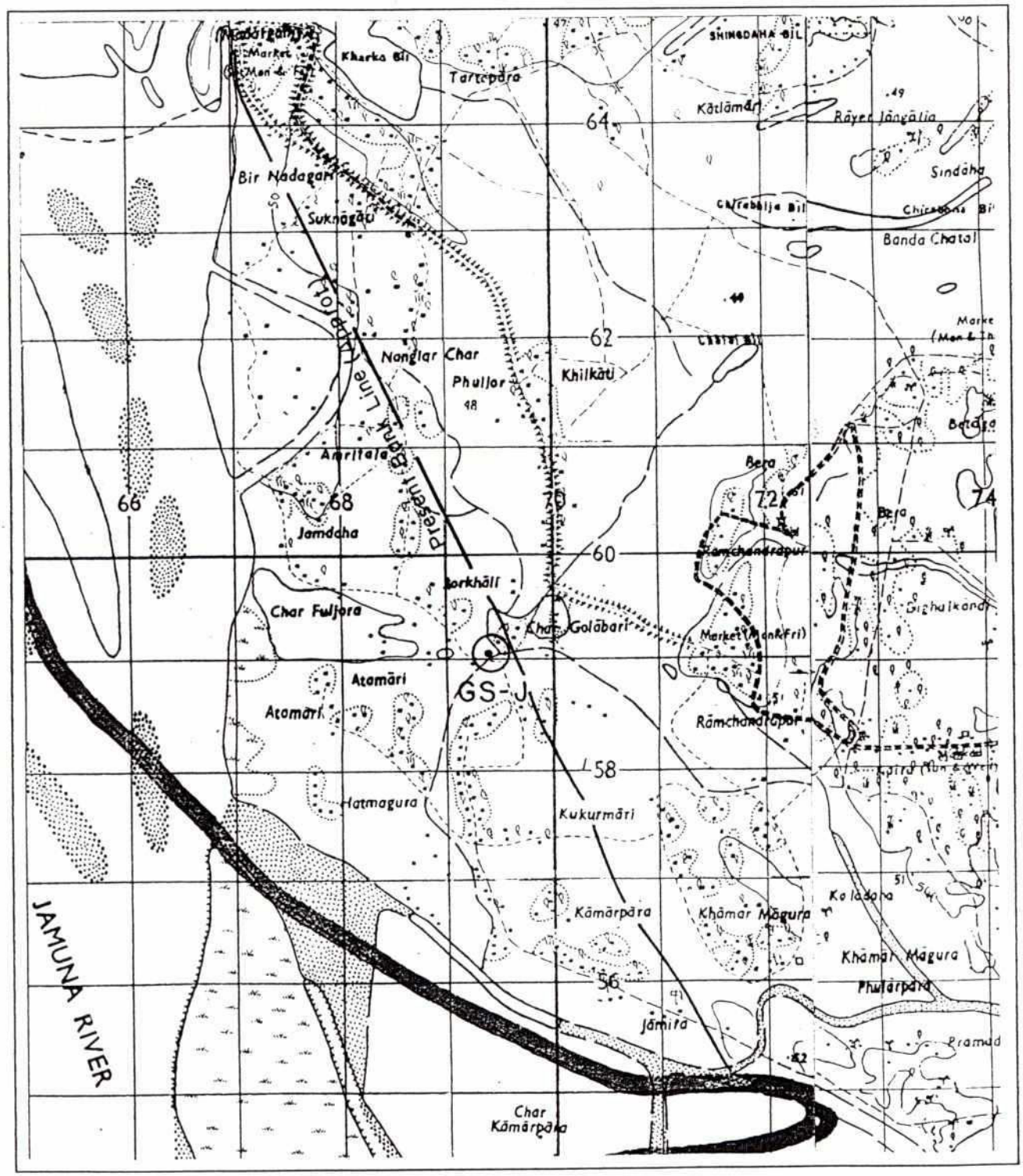
MAP SHEET: 78 H/13



Location of gauge shown on 1:50,000 scale map.

90

RIVER : Jamuna	
GAUGE STATION NO : J	LOCATION : Char JorKhali
GRID : Lat. 24 50 02	MAP SHEET: 78 H/9
Long. 89 43 14	



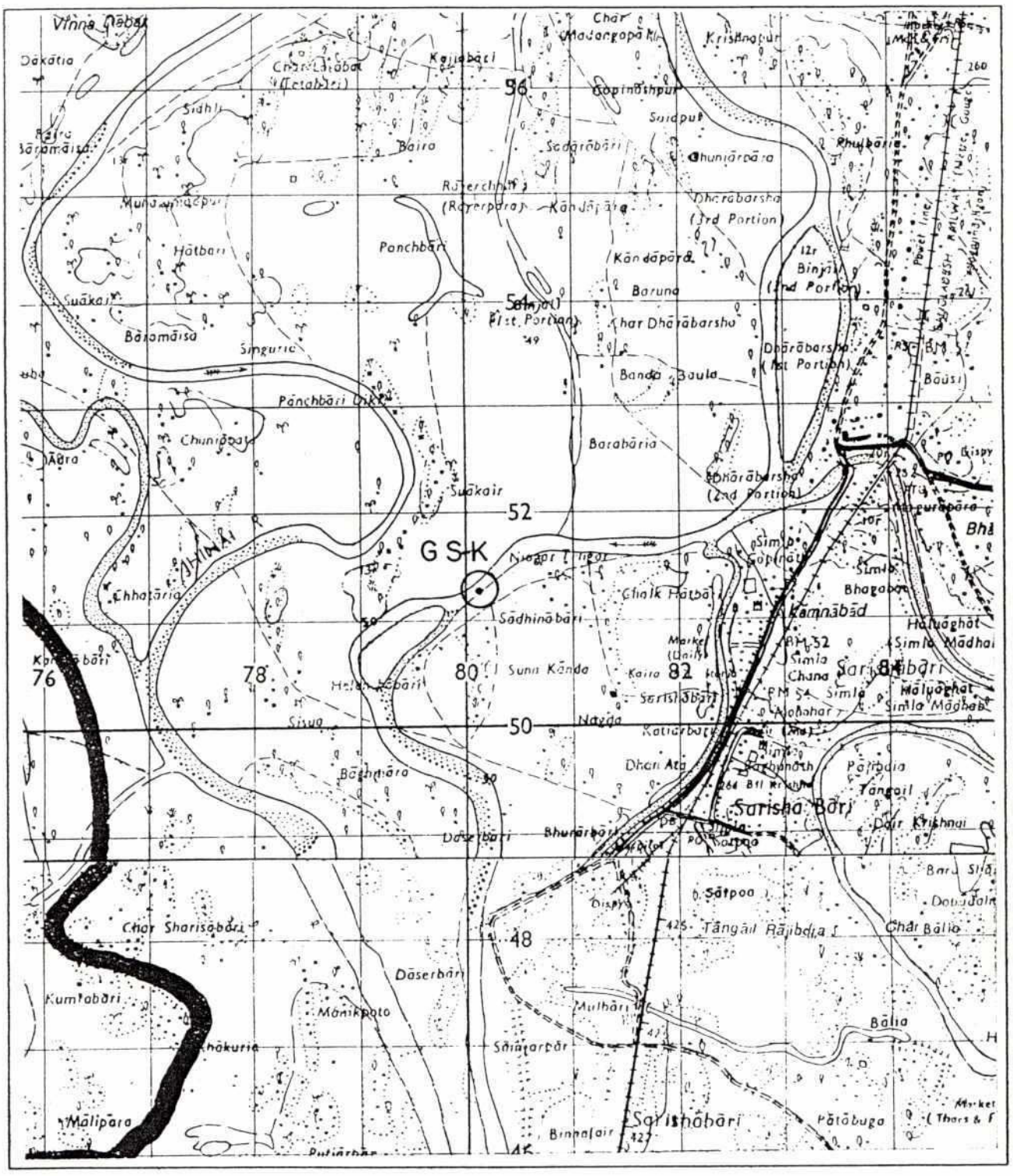
Location of gauge shown on 1:50,000 scale map.

RIVER : Chatal South

GAUGE STATION NO : K LOCATION : Helenchabari

GRID : Lat. 24 46 04 MAP SHEET: 78 H/13

Long. 89 49 08



Location of gauge shown on 1:50,000 scale map.

RIVER : Jhinai

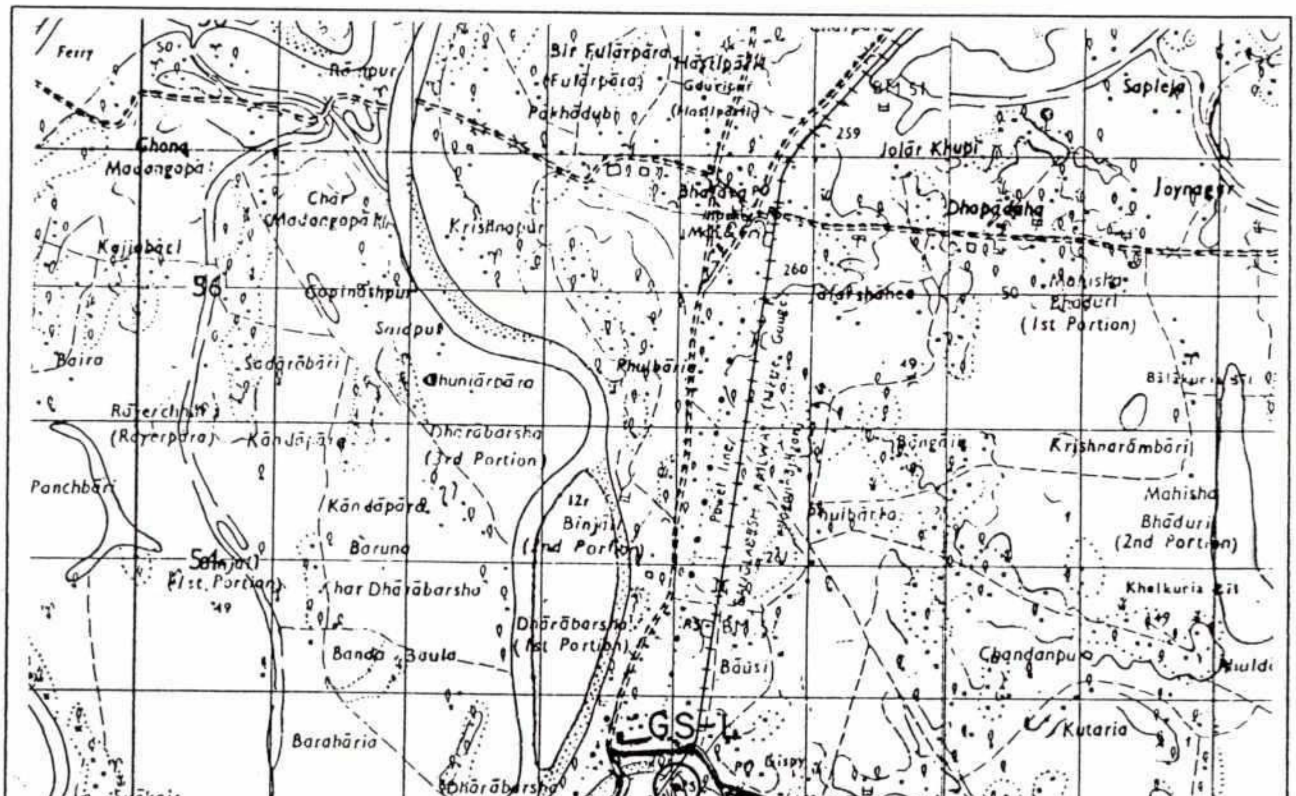
GAUGE STATION NO : L

LOCATION : Bausi Rly.Bridge

GRID : Lat. 24 46 47

Long. 89 51 18

MAP SHEET: 78 H/13



Location of gauge shown on 1:50,000 scale map.

RIVER : Jhinai

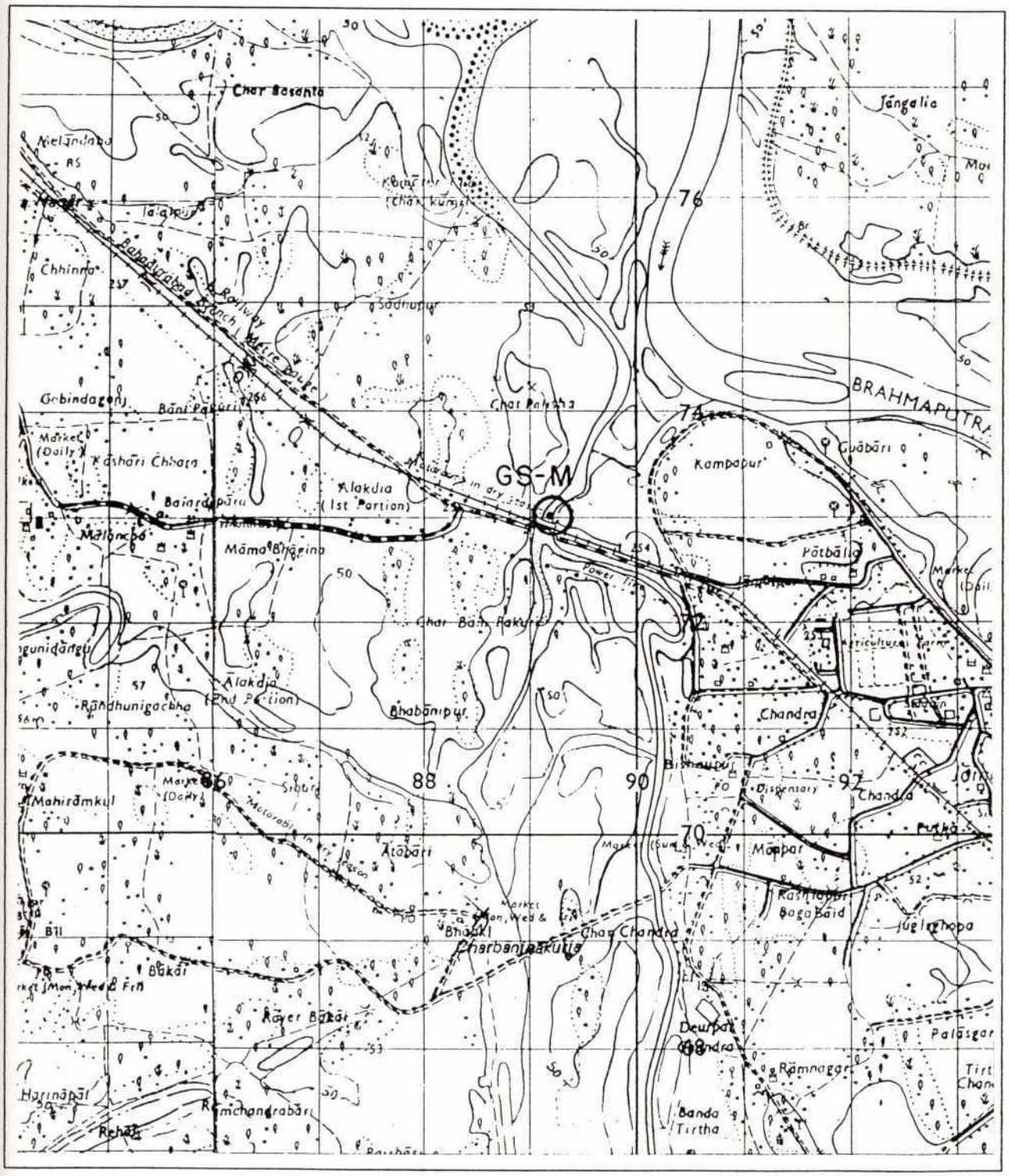
GAUGE STATION NO : M

LOCATION : Jhinai Rly.Bridge

GRID : Lat. 24 56 59

Long. 89 54 06

MAP SHEET: 78 H/13



Location of gauge shown on 1:50,000 scale map.

APPENDIX - B

DETAILS OF GAUGE STATION

GAUGE STATION - 1

LOCATION	: BELAMARI	RIVER	: Kalu Mondaldaha
INSTALLATION	: 27.05.94	STATUS	: W.L.
		MAP SHEET:	78 H/13

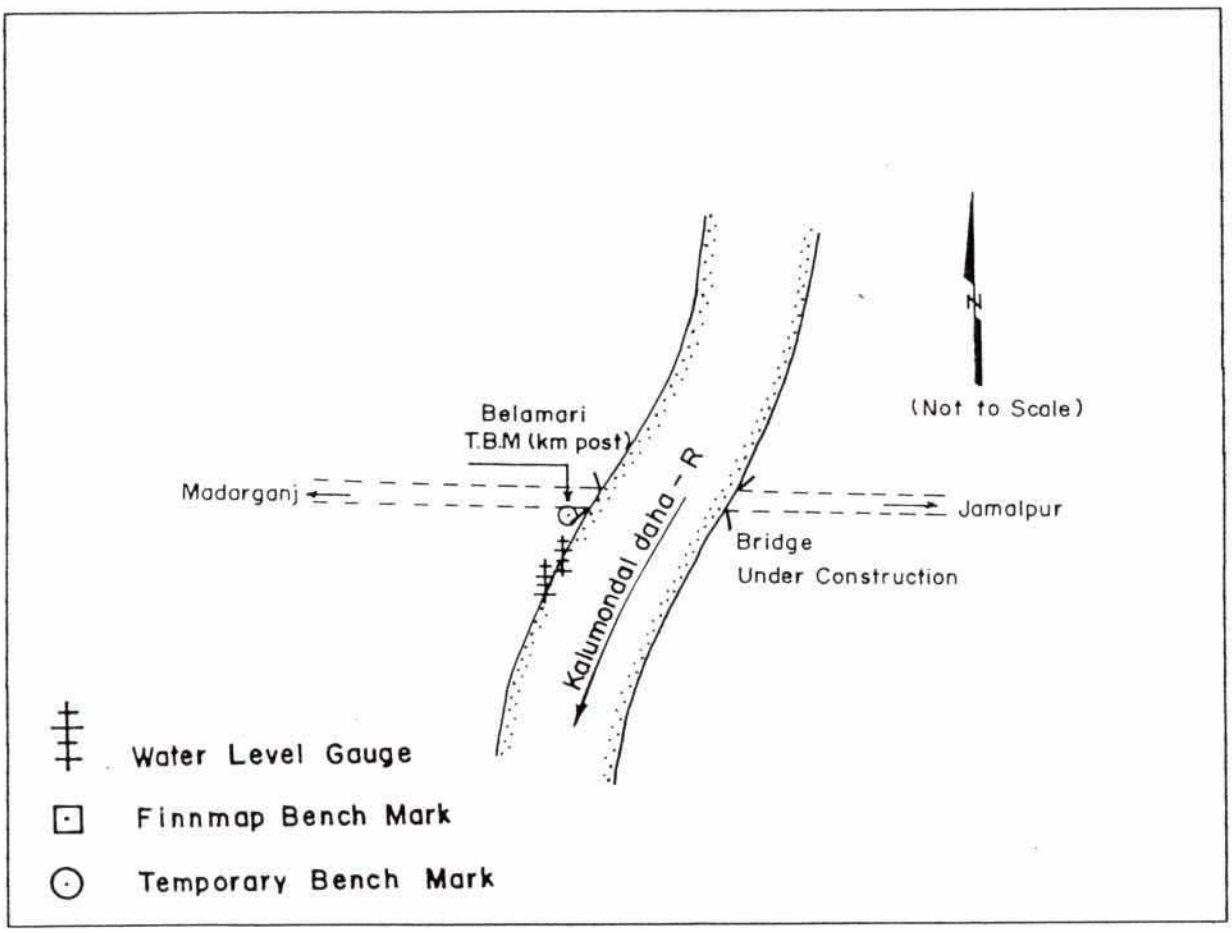
ACCESS : The gauge is located in the river Kalu Mondaldaha at Belamari. It is about 10 Km. from Madargonj P.S. & 21 km. from Jamalpur. Approachable by Car or Rickshaw.

TEMPORARY BENCH MARK :

DESCRIPTION : TBM has been established at the south-west corner of Belamari birdge in Jamalpur-Madargong Road.

ELEVATION : 19.271 m PWD

SKETCH



Jamalpur Priority Project, 1994.

Fig : 2 Sketch map showing location of gauges & TBMs.

GAUGE STATION-2

LOCATION : CHAR ATIAPARA **RIVER : Datbhanga**

INSTALLATION : 27.05.94 **STATUS :** W.L.

MAPSHEET : 78 H/13

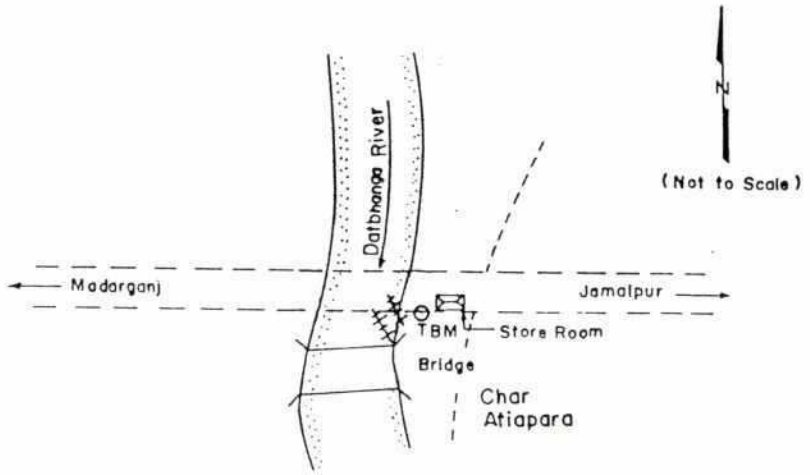
ACCESS : The gauge is located in the river Datbhanga at char Atiapara at a distance of about 16 km. from Jamalpur. It is located near the bridge under construction.

TEMPORARY BENCH MARK :

DESCRIPTION : TBM is located on the left bank of Datbhanga-R at char Atipara (south-west corner of contractor's store room).

ELEVATION : 18.508 m PWD

SKETCH



Water Level Gauge

Finnmap Bench Mark

Temporary Bench Mark

Jamalpur Priority Project, 1994.

Fig.3 Sketch map showing location of gauges & TBMs

GAUGE STATION-3

LOCATION : DHALUABARI RIVER : Lohajong

INSTALLATION : 27.05.94 STATUS : W.L.

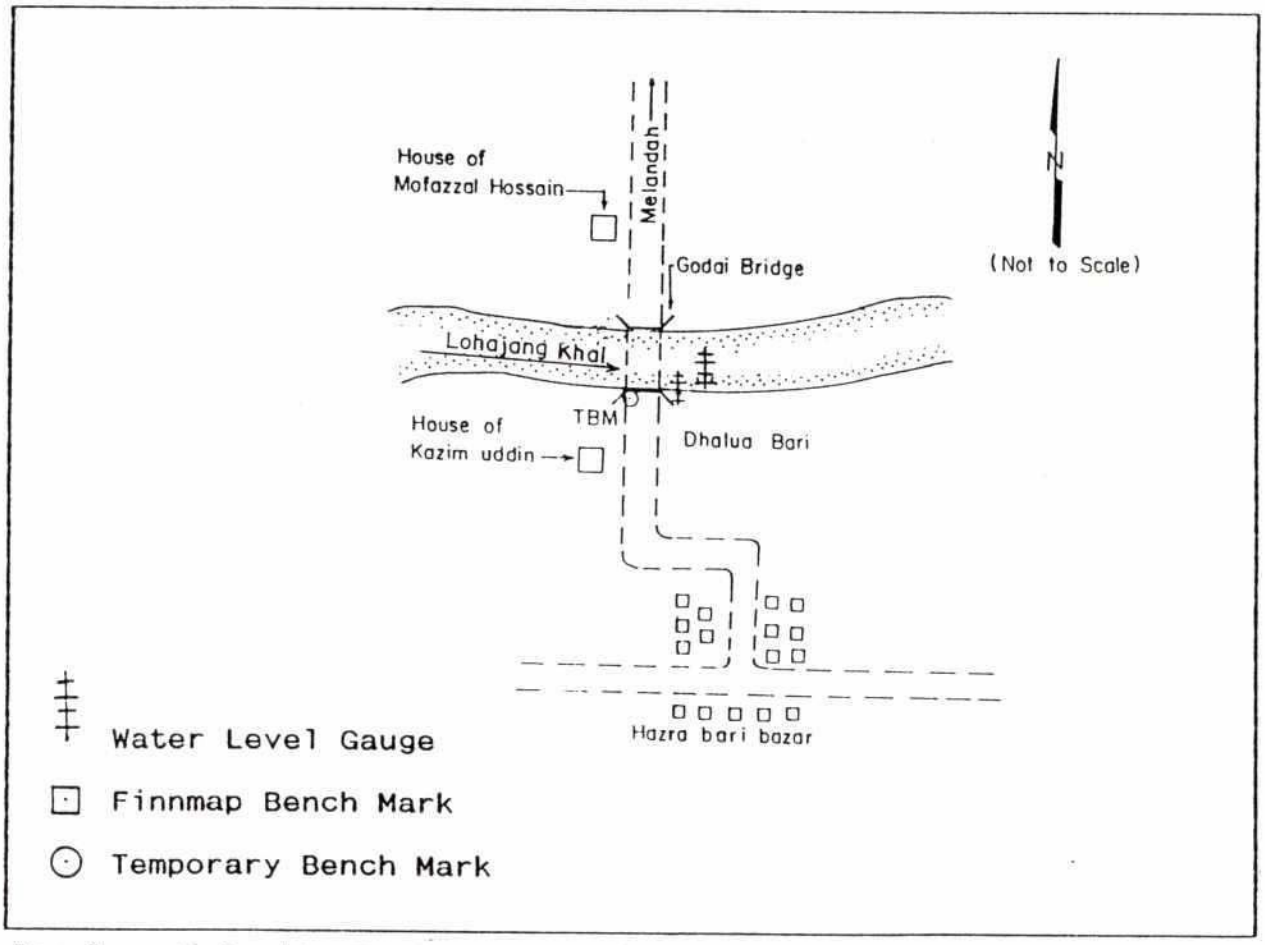
MAPSHEET : 78 H/13

ACCESS : The gauge is located in the Lohajong river at Dhaluabari and is about 1 km. north of Hazrabari Bazar. From Hazrabari Bazar approachable by Rickshaw.

TEMPORARY BENCH MARK :

DESCRIPTION : TBM is located at the south-west corner of the bridge at Dhaluabari. TBM has been kept on the abutment of the bridge.
ELEVATION : 18.782 m PWD

SKETCH



Jamalpur Priority Project, 1994.

Fig.4 Sketch map showing location of gauges & TBMs

GAUGE STATION-4

LOCATION : HAT GOBINDAH(Melanda) RIVER : Nanglakhal

INSTALLATION : 28.05.94 STATUS : W. L.

MAPSHEET : 78 H/13

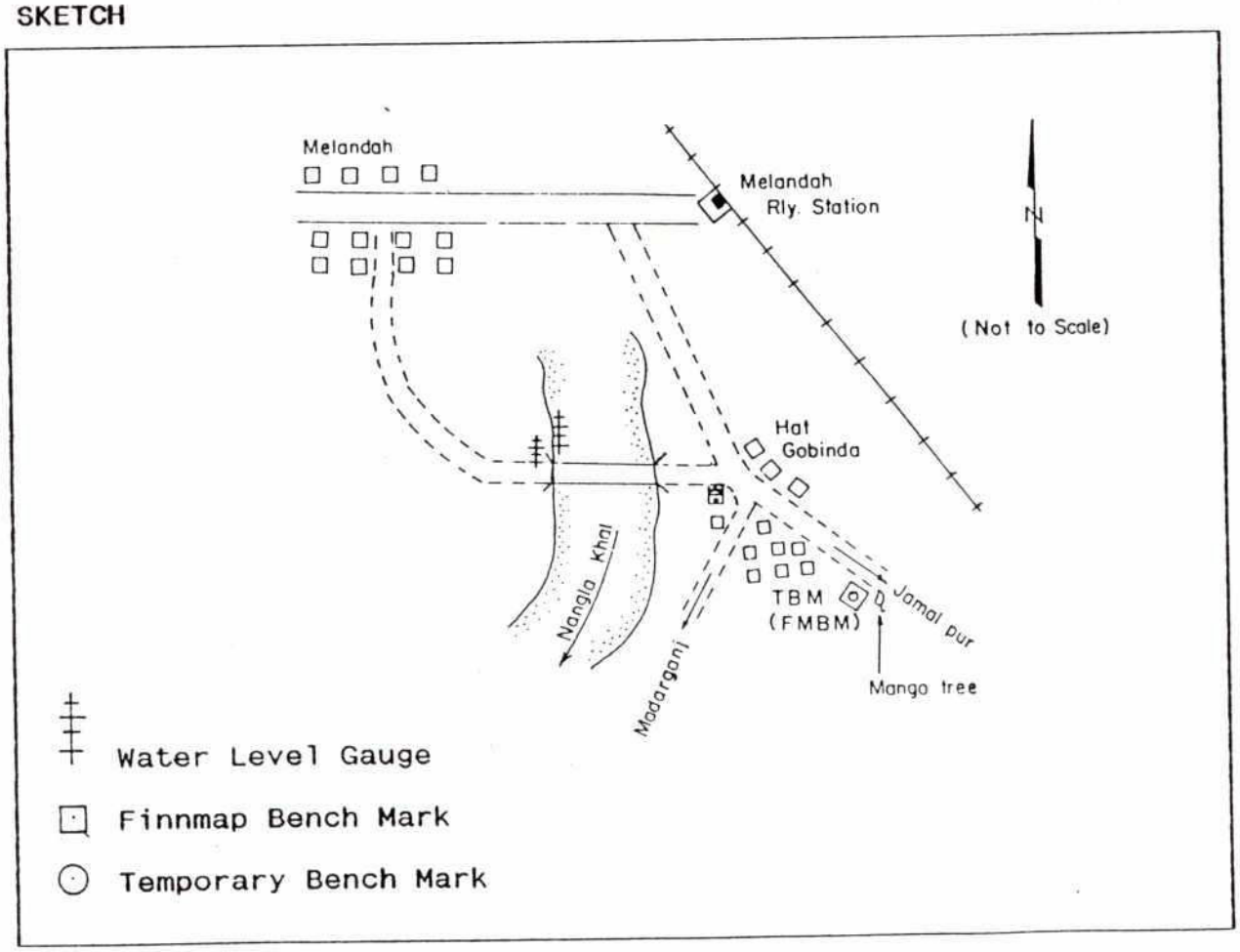
ACCESS : The gauge is about 50 meter west from Hat Gobinda Bus stand. It is located on the right bank of Nanglakhal and is at the north side of the bridge.

TEMPORARY BENCH MARK :

DESCRIPTION : TBM has been established on the FMBM No.760485

ELEVATION : 19.263 m PWD

SKETCH



Jamalpur Priority Project, 1994.

Fig.5 Sketch map showing location of gauges & TBMs

GAUGE STATION-5

LOCATION : GOBINDAPUR

RIVER : Nangla Khal

INSTALLATION : 27.05.94

STATUS : W.L./ Discharge

MAPSHEET : 78 H/13

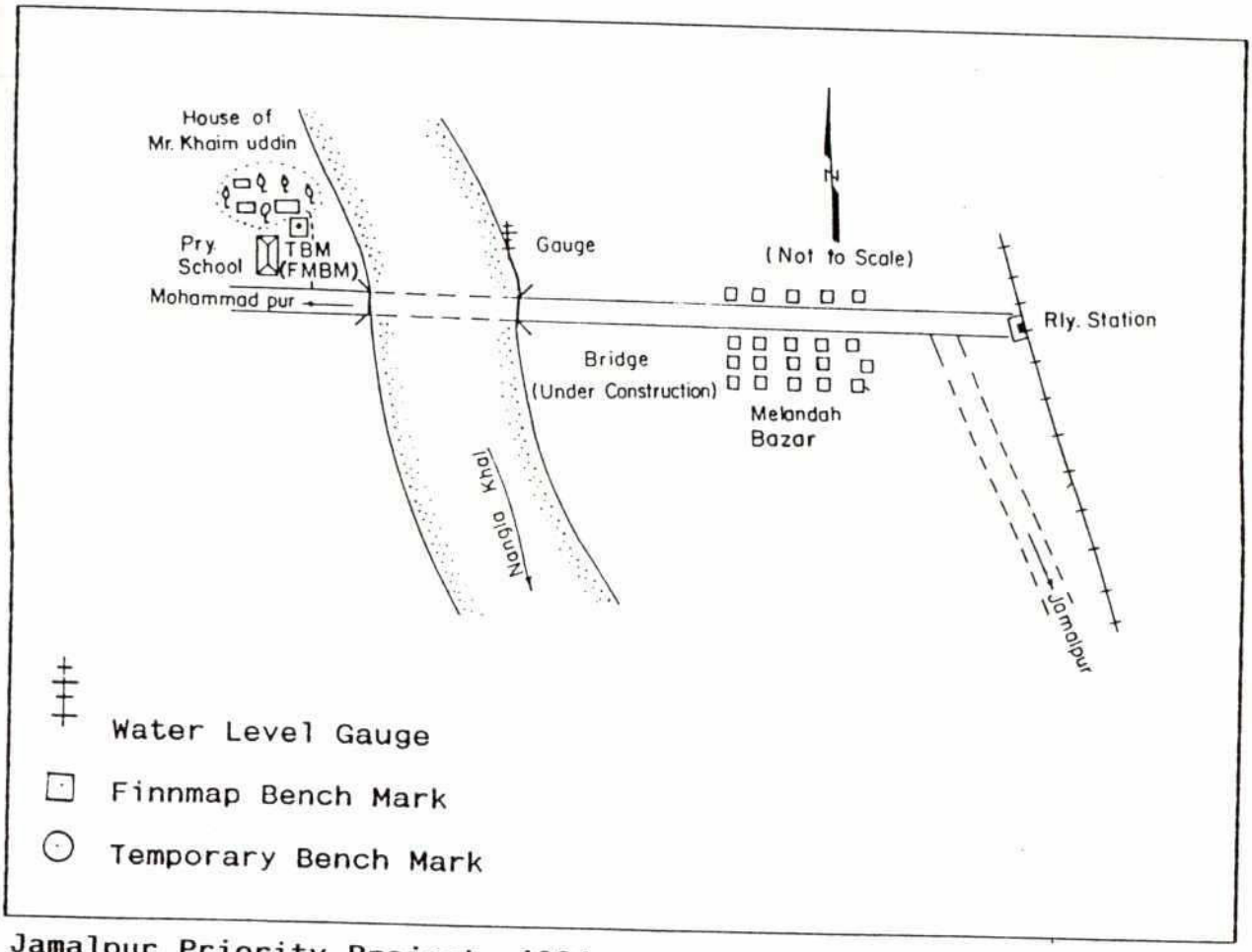
ACCESS : The gauge is located in Nangla Khal at Gobindapur. It is about 150 meter east from Gobindapur Pry.School. From Melandah approachable by Car or Rickshaw.

TEMPORARY BENCH MARK :

DESCRIPTION : TBM has been established on the FMBM No.760480 TBM is located at the side of Melandah-Mohammadpur Road.

ELEVATION : 18.645 m PWD

SKETCH



Jamalpur Priority Project, 1994.

Fig.6 Sketch map showing location of gauges & TBMs

50

GAUGE STATION-6

LOCATION : POYLA BRIDGE **RIVER : Madardaha**

INSTALLATION : 30.05.94 **STATUS :** W.L./ Discharge

MAPSHEET : 78 H/13

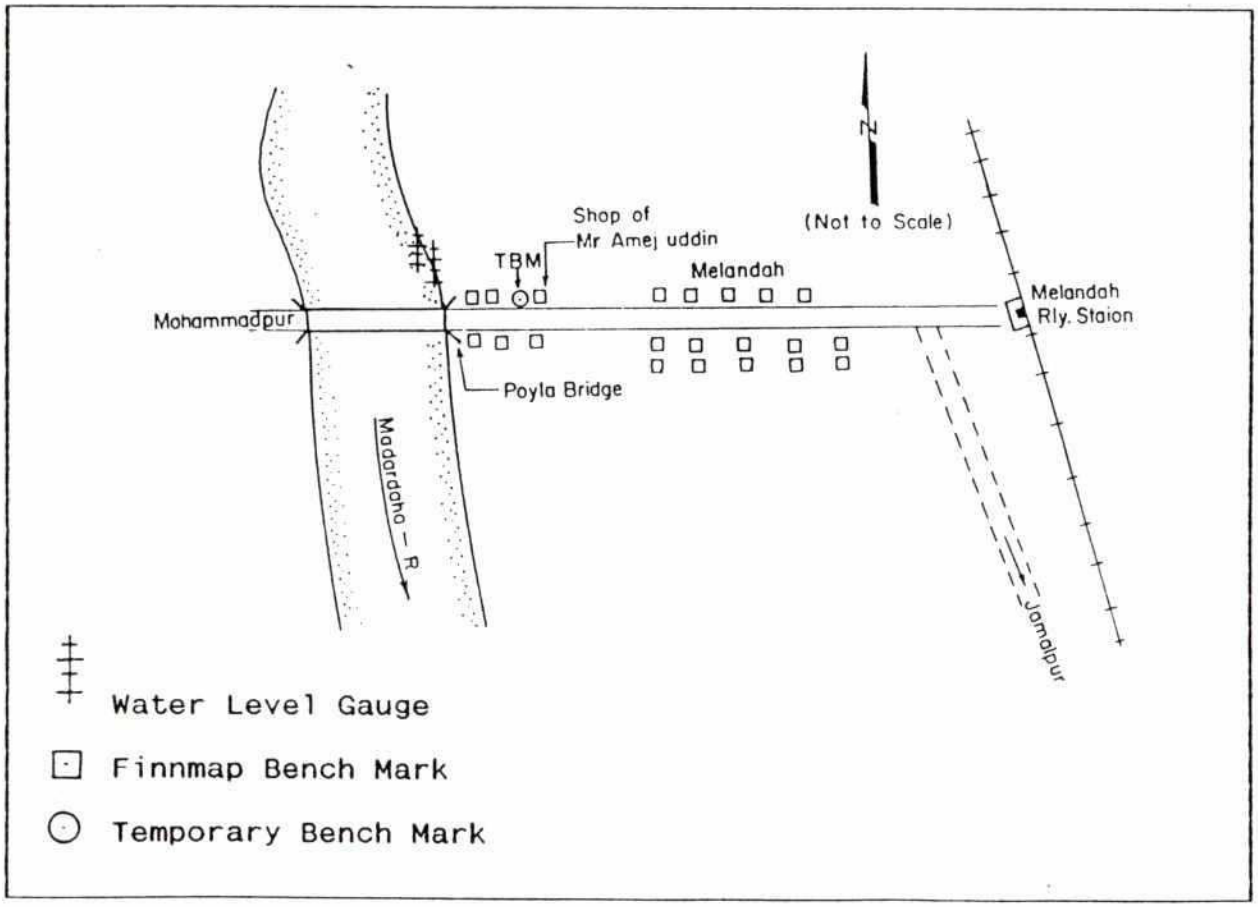
ACCESS : Gauge is located at the north side of Poylabridge in river Madar daha. It is about 7 km. west from Melandah. Approachable by Car or Rickshaw.

TEMPORARY BENCH MARK :

DESCRIPTION : TBM is located at the west side of the shop of Amejuddin. It is at the north side of Mohammadpur-Melanda road near Poyla bridge.

ELEVATION : 17.890 m PWD

SKETCH



Jamalpur Priority Project, 1994.

Fig.7 Sketch map showing location of gauges & TBMs

GAUGE STATION - 7

LOCATION	: KHASHIMARA	RIVER	: Madardah
INSTALLATION	: 28.05.94	STATUS	: W.L.
		MAP SHEET:	78 H/13

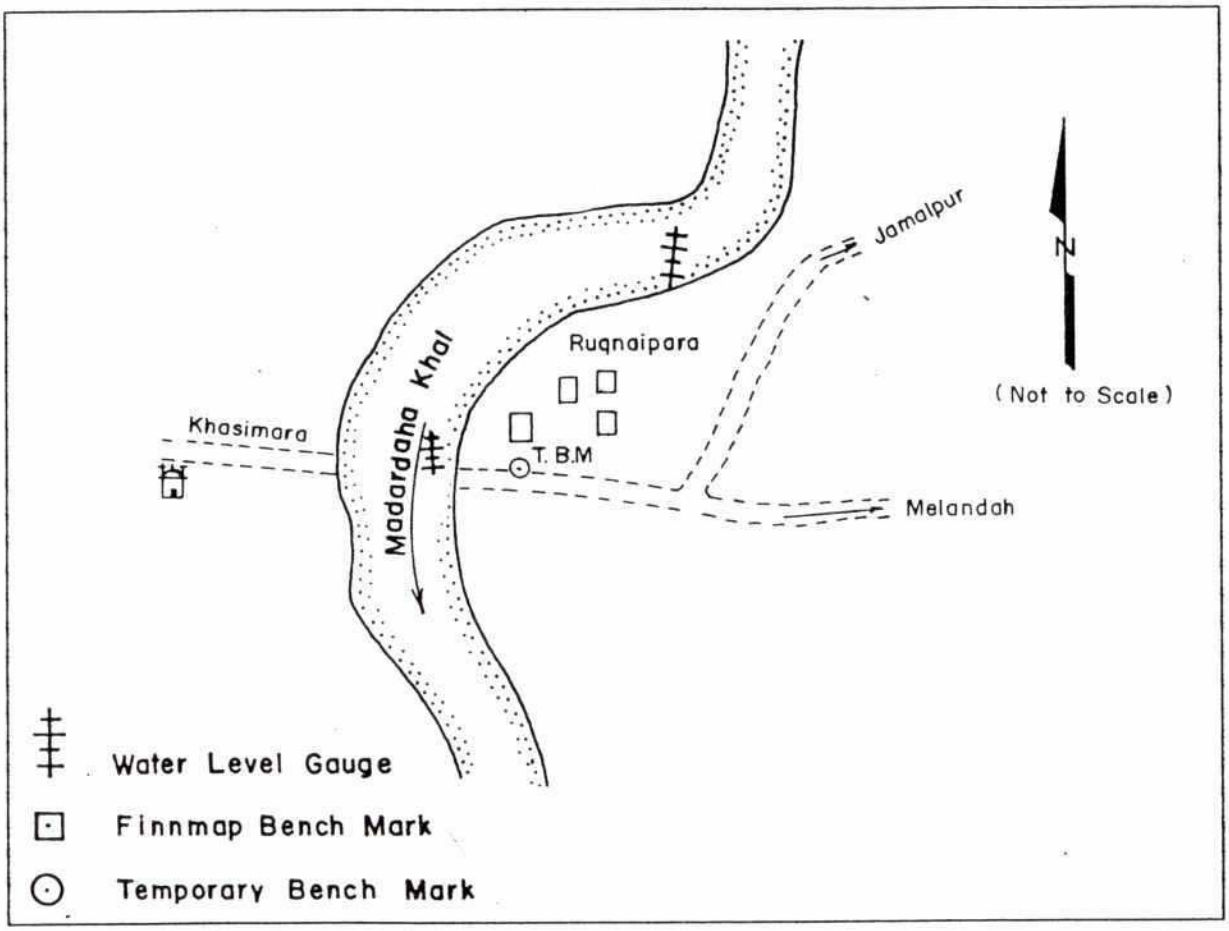
ACCESS : The gauge located in the river Madardah at the village Ruknaipara. It is located at the north side of Melandah-khashimara road near Ruknaipara Kheyaghat (Khashimara).

TEMPORARY BENCH MARK :

DESCRIPTION : TBM has been established by embedding a pillar at the south side of the house of Md. Badsha Mia in the village Puknaipara Kheyaghat (Khashimara)

ELEVATION : 17.946 m PWD

SKETCH



Jamalpur Priority Project, 1994.

Fig : 8 Sketch map showing location of gauges & TBMs.

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GAUGE STATION – 8

LOCATION	: ISlAMPUR	RIVER	: Br. of Old Brahmaputra
INSTALLATION	: 28.05.94	STATUS	: W.L/Discharge
		MAP SHEET:	78 H/13

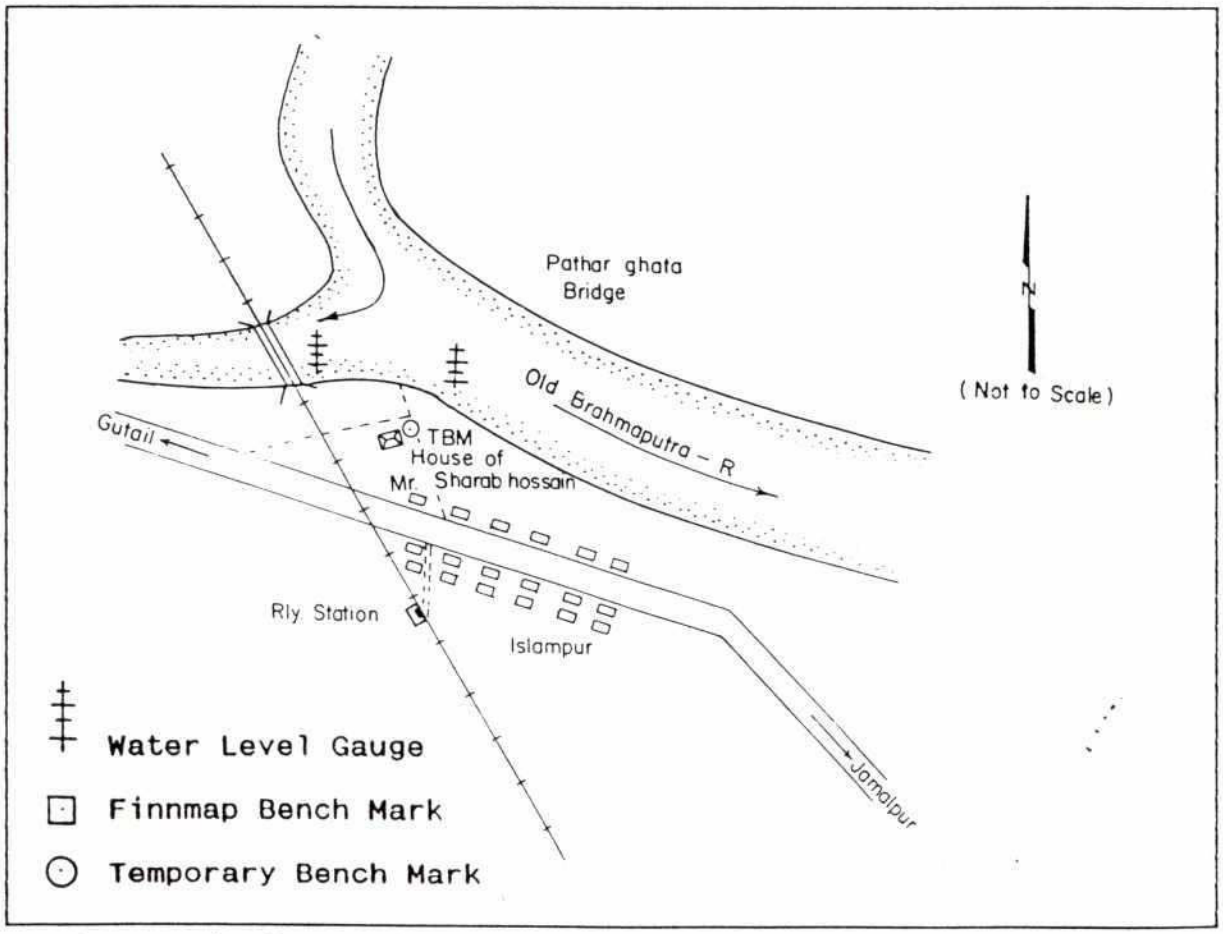
ACCESS : The gauge located in the Branch of Old Brahmaputra river near Patharghata bridge. From Islampur Bazar approachable by Ricshaw.

TEMPORARY BENCH MARK :

DESCRIPTION : TBM is located at the north-east corner of the house of Shoharab Hossain in village Maujajalla. It is about Patharghata 200 meter east from bridge.

ELEVATION : 20.485 m PWD

SKETCH



Jamalpur Priority Project, 1994.

Fig : Sketch map showing location of gauges & TBMs.

GAUGE STATION – 9

LOCATION	: DELIRPAR	RIVER	: Deli
INSTALLATION	: 27.05.94	STATUS	: W.L./Discharge
		MAP SHEET:	78 G/12

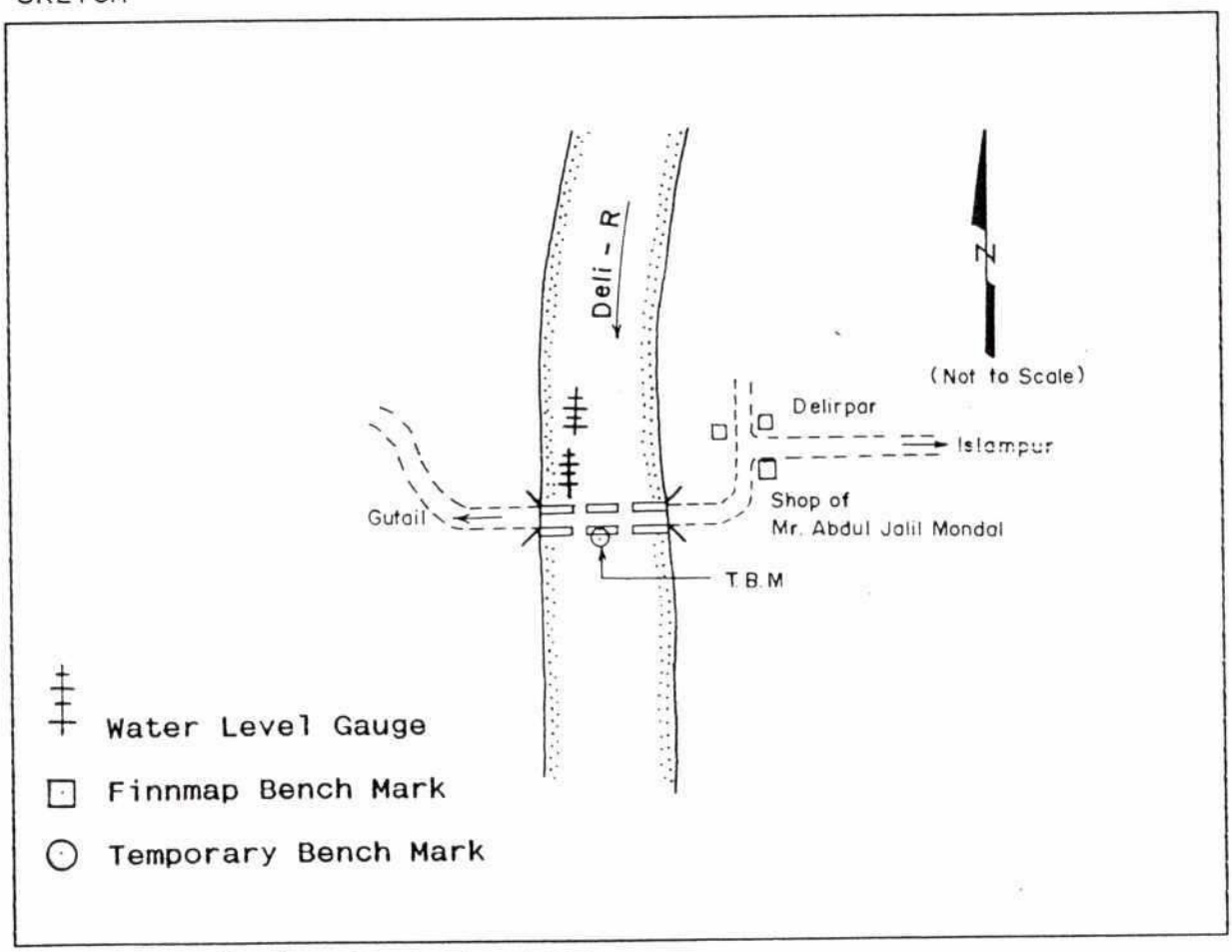
ACCESS : The gauge is located in Deli river at Delirpar. It is at the north side of Delirpar bridge. From Islampur approachable by Car or Rickshaw.

TEMPORARY BENCH MARK :

DESCRIPTION : TBM is located at the village Delipar. It is on the railling of Delirpar bridge.

ELEVATION : 20.306 m PWD

SKETCH



Jamalpur Priority Project, 1994.

Fig : Sketch map showing location of gauges & TBMs.

GAUGE STATION - 10

LOCATION	: MADHYACHAR	RIVER	: Bhabkikhal
INSTALLATION	: 27.05.94	STATUS	: W.L.
		MAP SHEET:	78 H/13

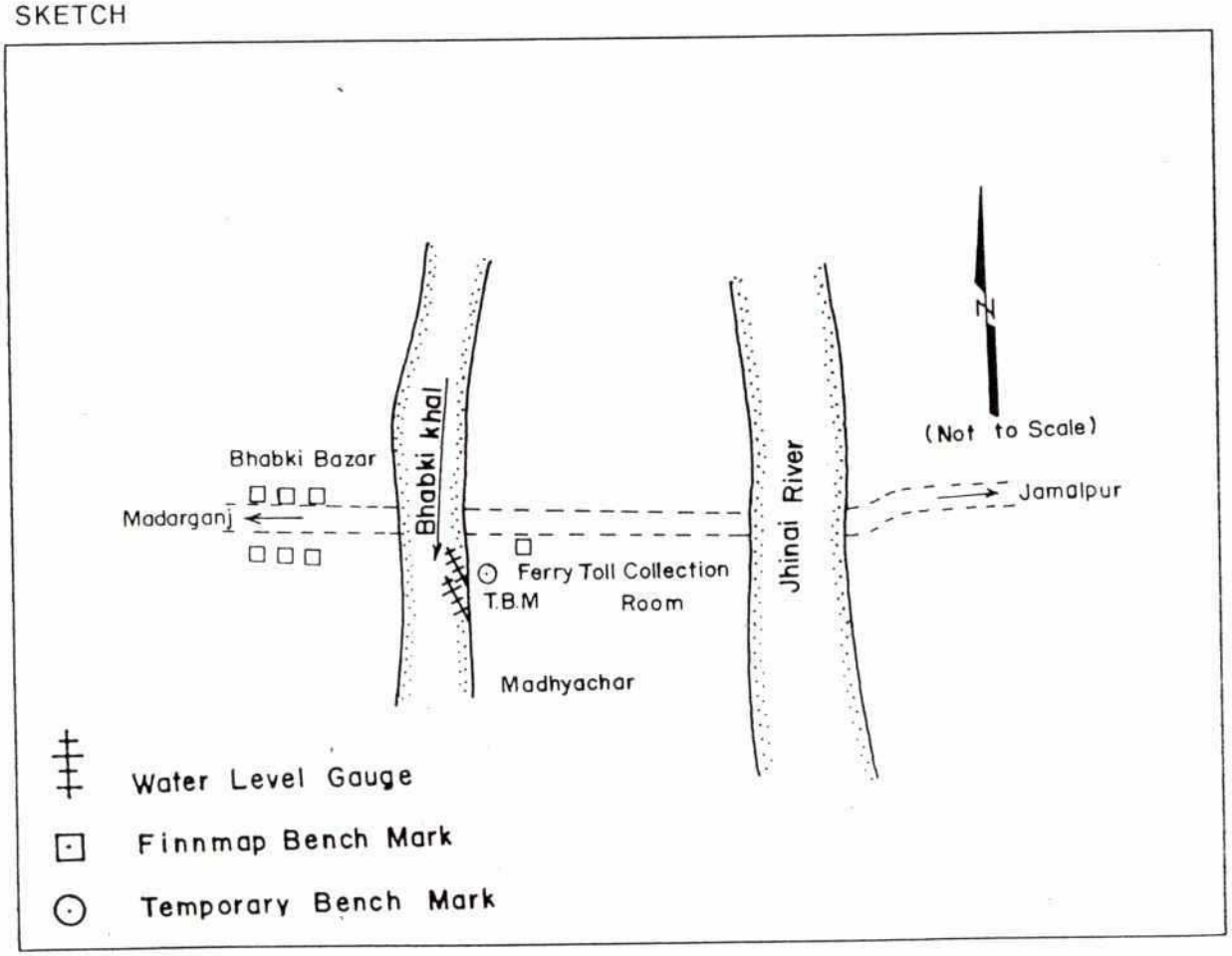
ACCESS : The gauge is located in the Bhabkikhal at Madhyachar. It is about 10 km from Jamalpur on Jamalpur-Madargonj Road. It is 500 m west from Bhabki Bazar. Approachable by Car or Rickshaw.

TEMPORARY BENCH MARK :

DESCRIPTION : TBM is located on the bank of Bhabkikhal at about 10 m south from Ferry toll collection-room near Madhyachar Ferry ghat.

ELEVATION : 17.854 m PWD

SKETCH



Jamalpur Priority Project, 1994.

Fig : 11 Sketch map showing location of gauges & TBMs.

GAUGE STATION-11

LOCATION : HAZIPUR

RIVER : Jhinai River

INSTALLATION : 29.05.94

STATUS : W.L.

MAPSHEET : 78 H/13

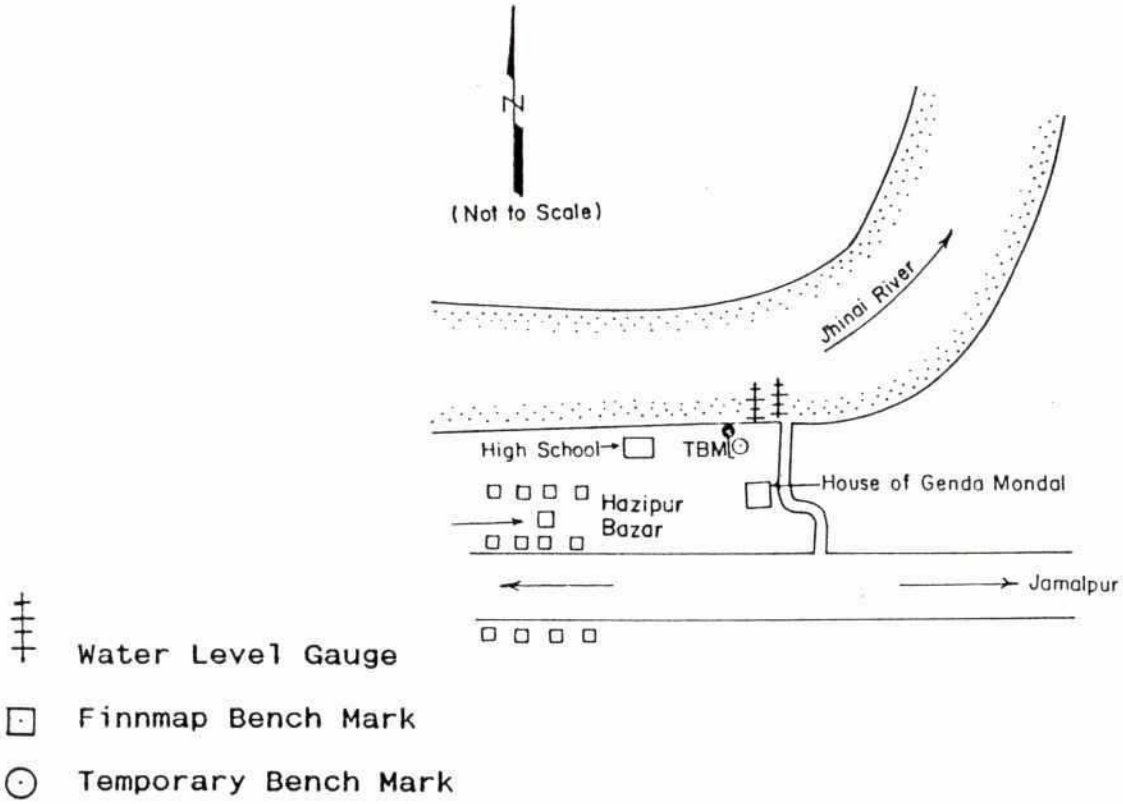
ACCESS : The gauge is located in the river Jhinai at the village Sadabari near Hazipur Bazar. It is about 200 meter west from the house of Genda Mondal. From Jamalpur approachable by Car or Rickshaw.

TEMPORARY BENCH MARK :

DESCRIPTION : TBM is located under a Palm tree in the village Sadabari and on the north side of the house of Genda Mondal.

ELEVATION : 16.581 m PWD

SKETCH



Jamalpur Priority Project, 1994.

Fig.12 Sketch map showing location of gauges & TBMs

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GAUGE STATION - 12

LOCATION	: BENJAIL RAMPUR	RIVER	: Jhinai/Chatal
INSTALLATION	: 28.05.94	STATUS	: W.L.
		MAP SHEET:	78 H/13

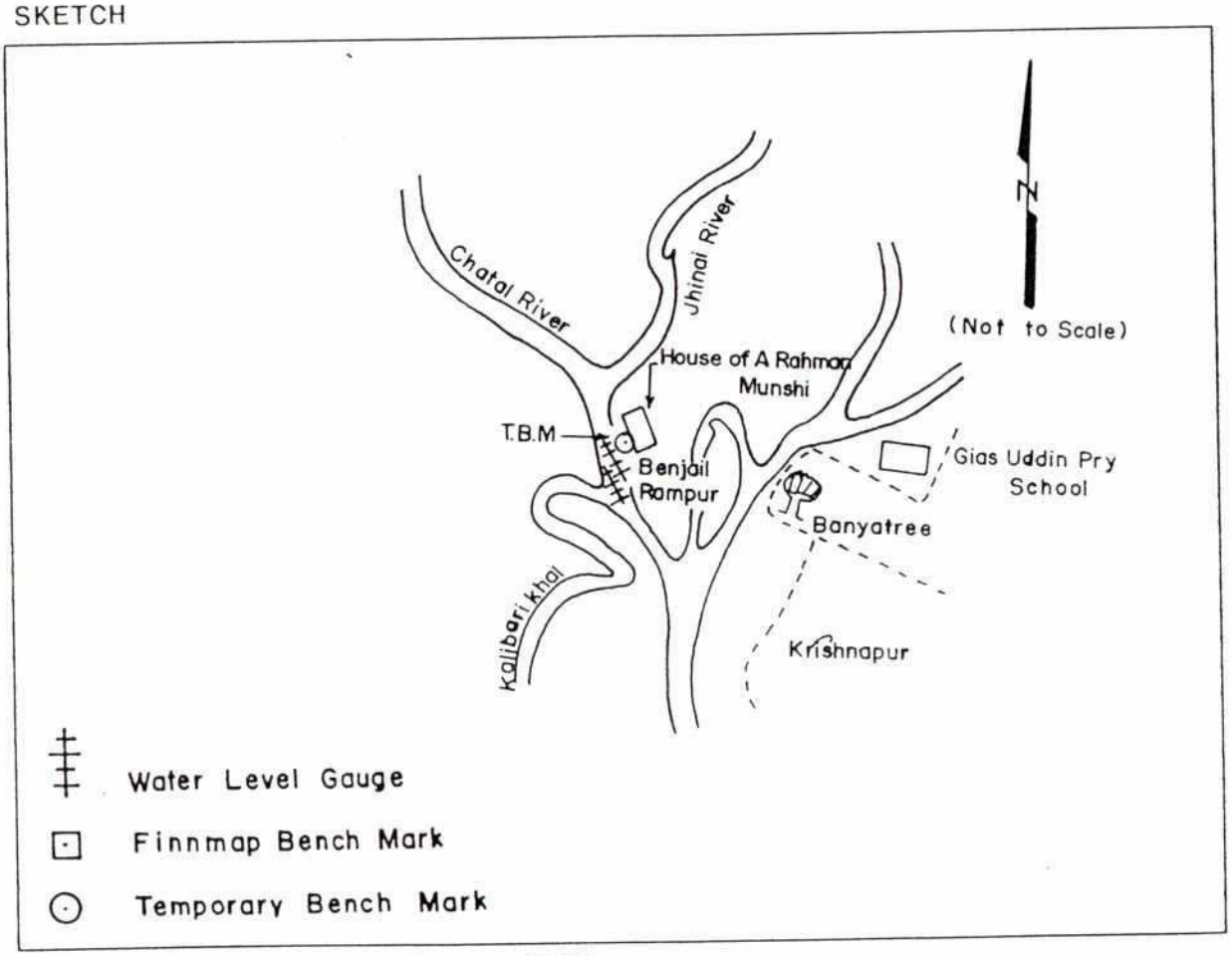
ACCESS : The gauge is located in the village Benjail Rampur infront of the house of Abdur Rahman Munshi. From Jamalpur to Krishnapur approachable by Rickshaw and then by boat.

TEMPORARY BENCH MARK :

DESCRIPTION : TBM is located in the village Benjail Rampur and on the west side of the house of Md. Abdur Rahman Munshi

ELEVATION : 15.576 m PWD

SKETCH



Jamalpur Priority Project, 1994.

Fig : 13 Sketch map showing location of gauges & TBMs.

GAUGE STATION - 13

LOCATION	: JHALOPARA	RIVER	: Branch of Jamuna
INSTALLATION	: 28.05.94	STATUS	: W.L.
		MAP SHEET:	78 H/14

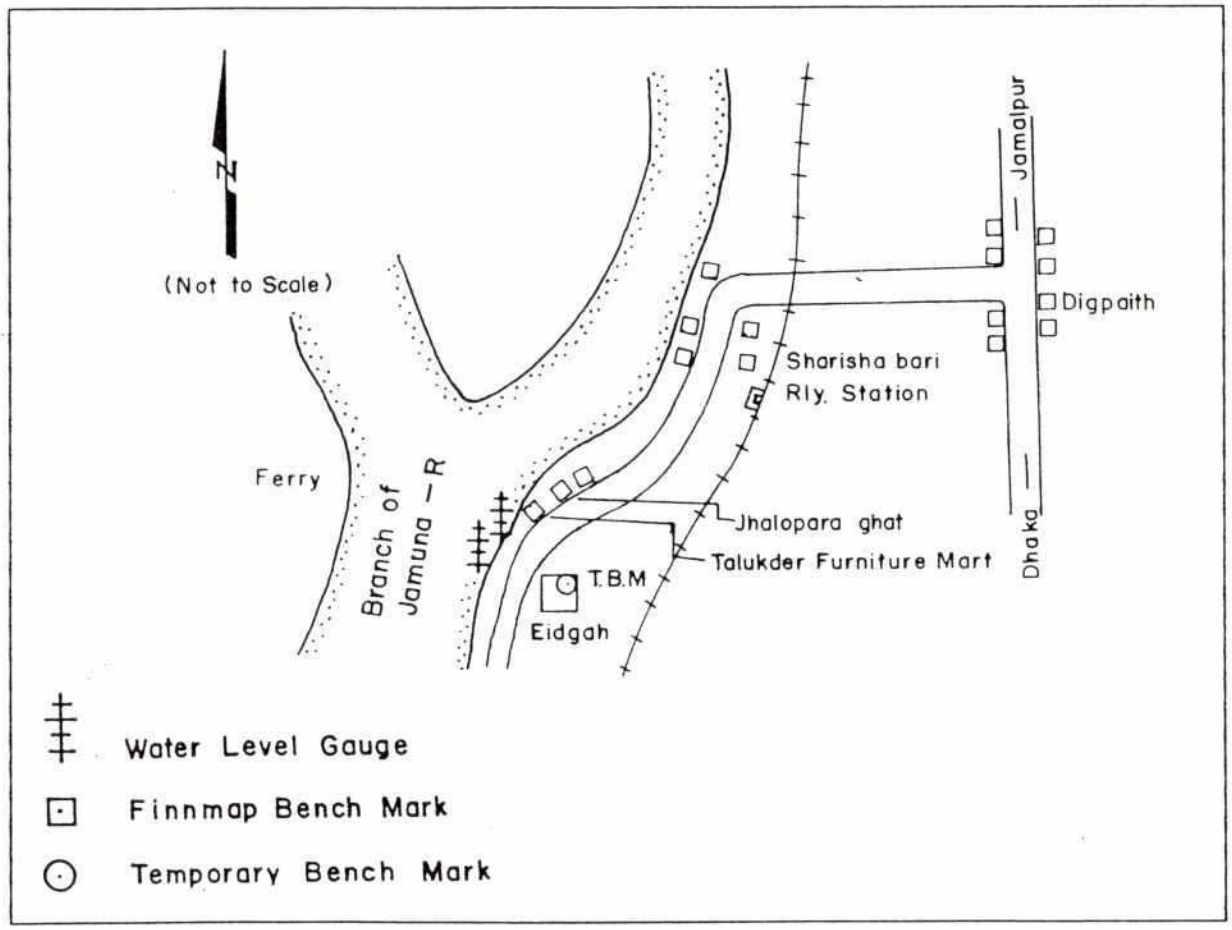
ACCESS : The gauge is located on the branch of river Jamuna at Jhalopara and on the south-west side of Talukder Furniture Mart. From sharishabari approachable by Car or Rickshaw.

TEMPORARY BENCH MARK :

DESCRIPTION : TBM is located at the north-west corner of Eidgah field. It is about 15 m east from gauge post.

ELEVATION : 16.591 m PWD

SKETCH



Jamalpur Priority Project, 1994.

Fig : 14 Sketch map showing location of gauges & TBMs.

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GAUGE STATION – A

LOCATION	: JATIRPAR BRIDGE	RIVER	: Chatal Khal
INSTALLATION	: 08.06.94	STATUS	: W.L.
		MAP SHEET:	78 H/13

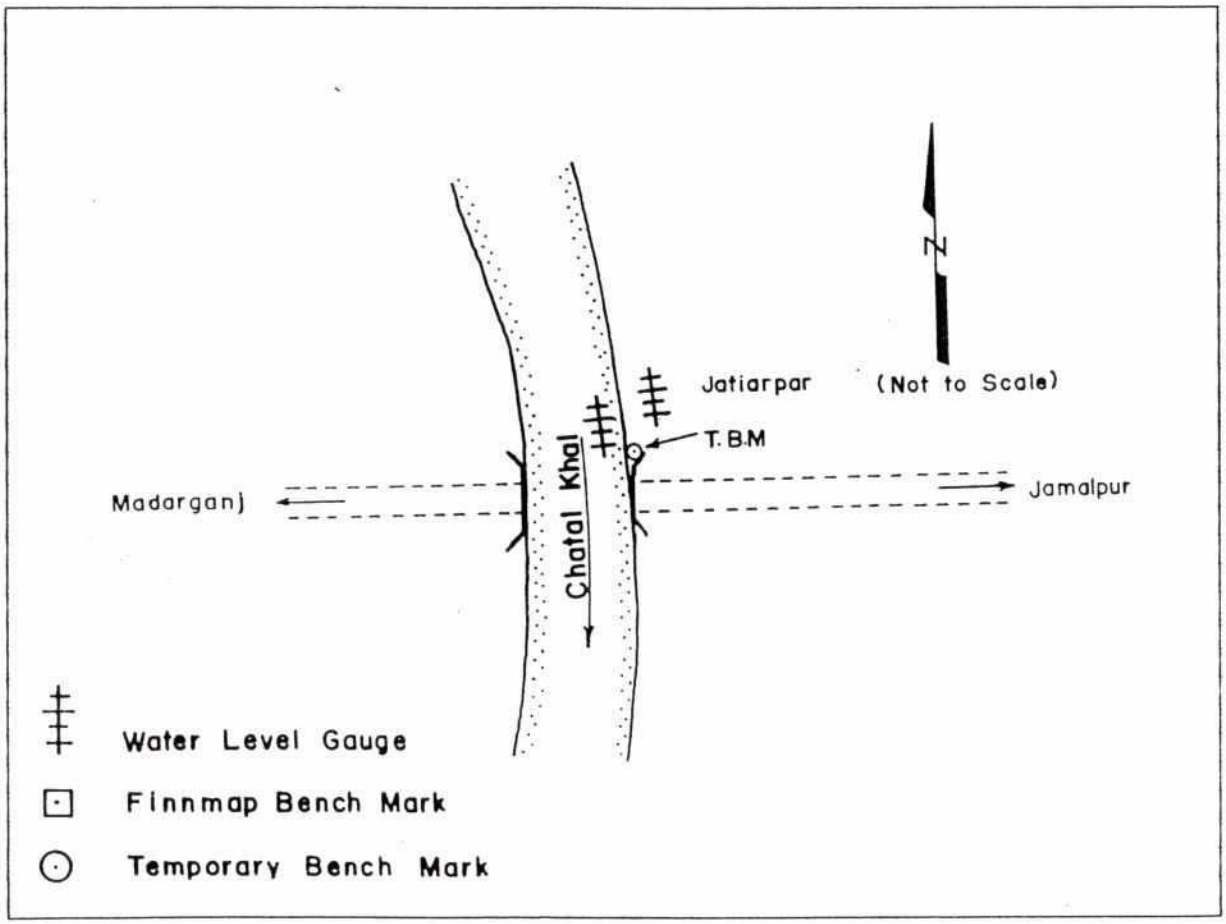
ACCESS : The gauge is located in the chatal khal at Jatirpar Bridge. It is about 3 km west from Hazrabari. From Jamalpur approachable by car or Rickshaw.

TEMPORARY BENCH MARK :

DESCRIPTION : TBM has been established on the north-east corner of the Bridge at village Jatirpar.

ELEVATION : 20.252 m PWD

SKETCH



Jamalpur Priority Project, 1994.

Fig : 15 Sketch map showing location of gauges & TBMs.

GAUGE STATION - B

LOCATION	: TUPKAR CHAR	RIVER	: Old Brahmaputra
INSTALLATION	: 09.06.94	STATUS	: W.L.
		MAP SHEET:	78 H/13

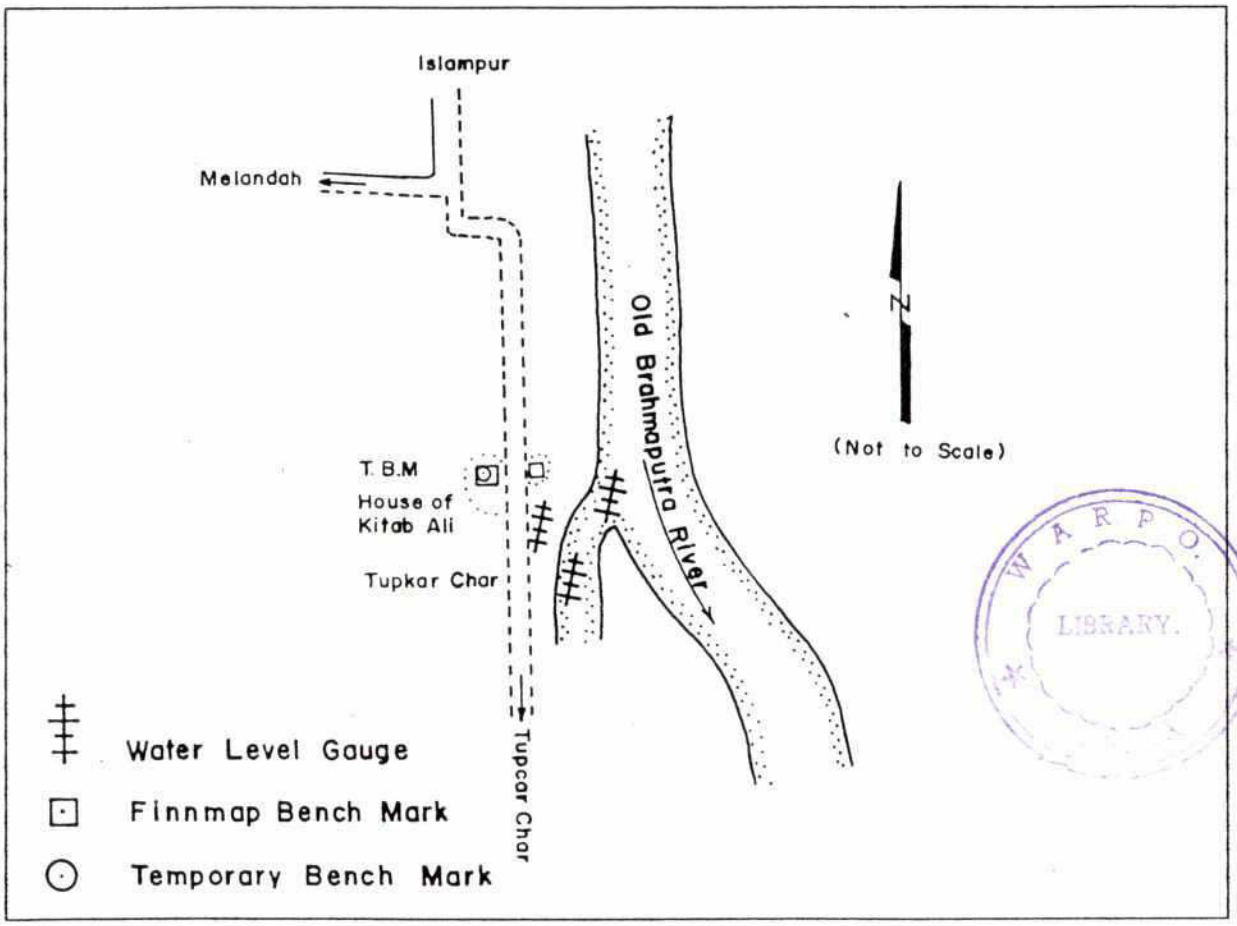
ACCESS : The gauge is located in the old Brahmaputra river at Tupkar char. It is about 3 km east from Melandah. Approachable by car or Rickshaw.

TEMPORARY BENCH MARK :

DESCRIPTION : TBM has been established on a tube-well pipe at the house of Md. Kitab Ali in the village Tupkar char.

ELEVATION : 18.731 m PWD

SKETCH



Jamalpur Priority Project, 1994.

Fig : 16 Sketch map showing location of gauges & TBMs.

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GAUGE STATION - C

LOCATION	: PUTDANGA RLY. BRIDGE	RIVER	: Branch of Old Brahmaputra
INSTALLATION	: 10.06.94	STATUS	: W.L.
		MAP SHEET:	78 G/16

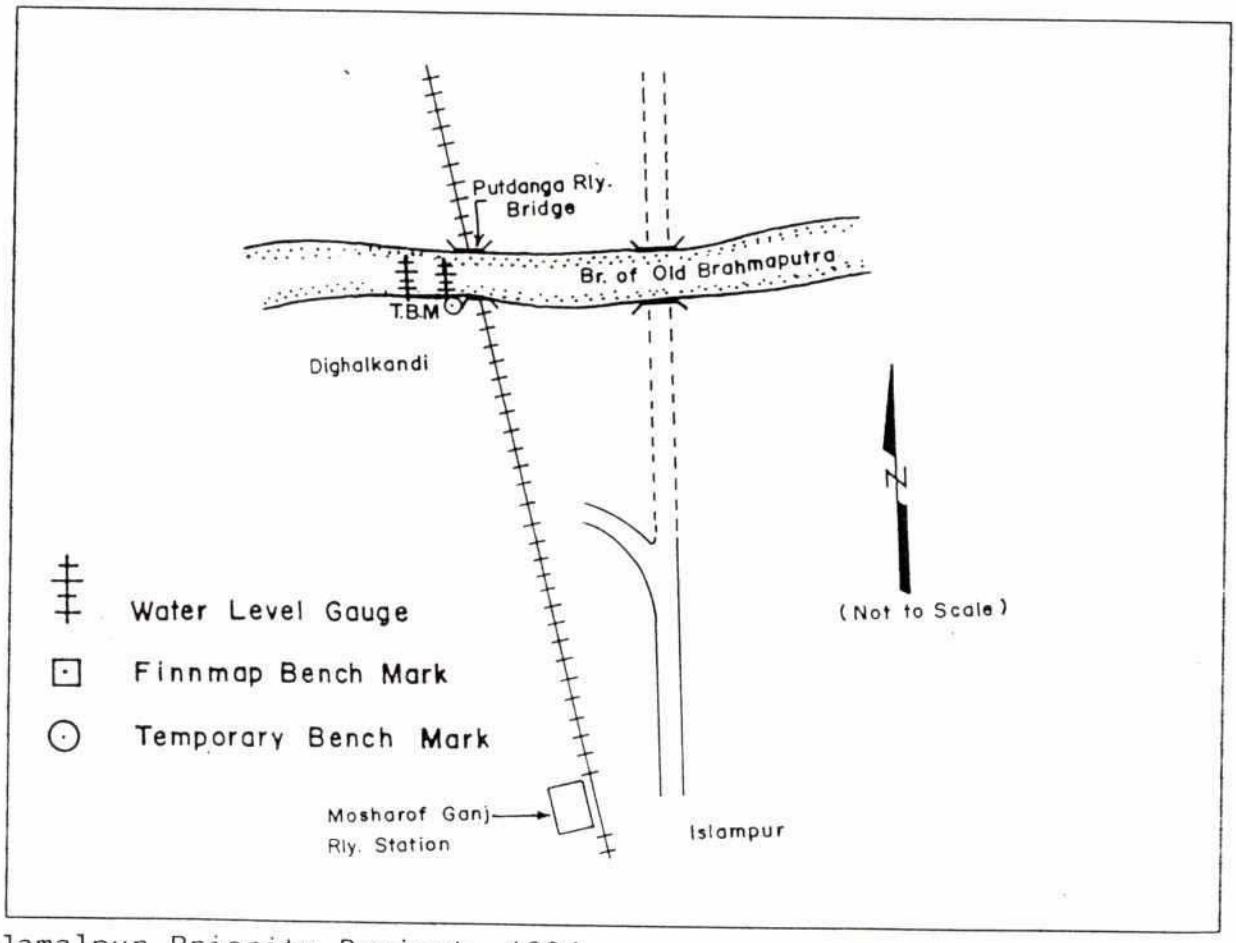
ACCESS : The gauge is located at putdanga Rly. Bridge. From Islampur/Dewanganj approachable by car or Rickshaw.

TEMPORARY BENCH MARK :

DESCRIPTION : TBM has been established on the south-west corner of putdanga Rly. Bridge.

ELEVATION : 20.295 m PWD

SKETCH



Jamalpur Priority Project, 1994.

Fig : 17 Sketch map showing location of gauges & TBMs.

GAUGE STATION - D

LOCATION	: GUZIMARI RLY. BRIDGE	RIVER	: Beel (connection with Jamuna)
INSTALLATION	: 10.06.94	STATUS	: W.L.
		MAP SHEET:	78 G/16

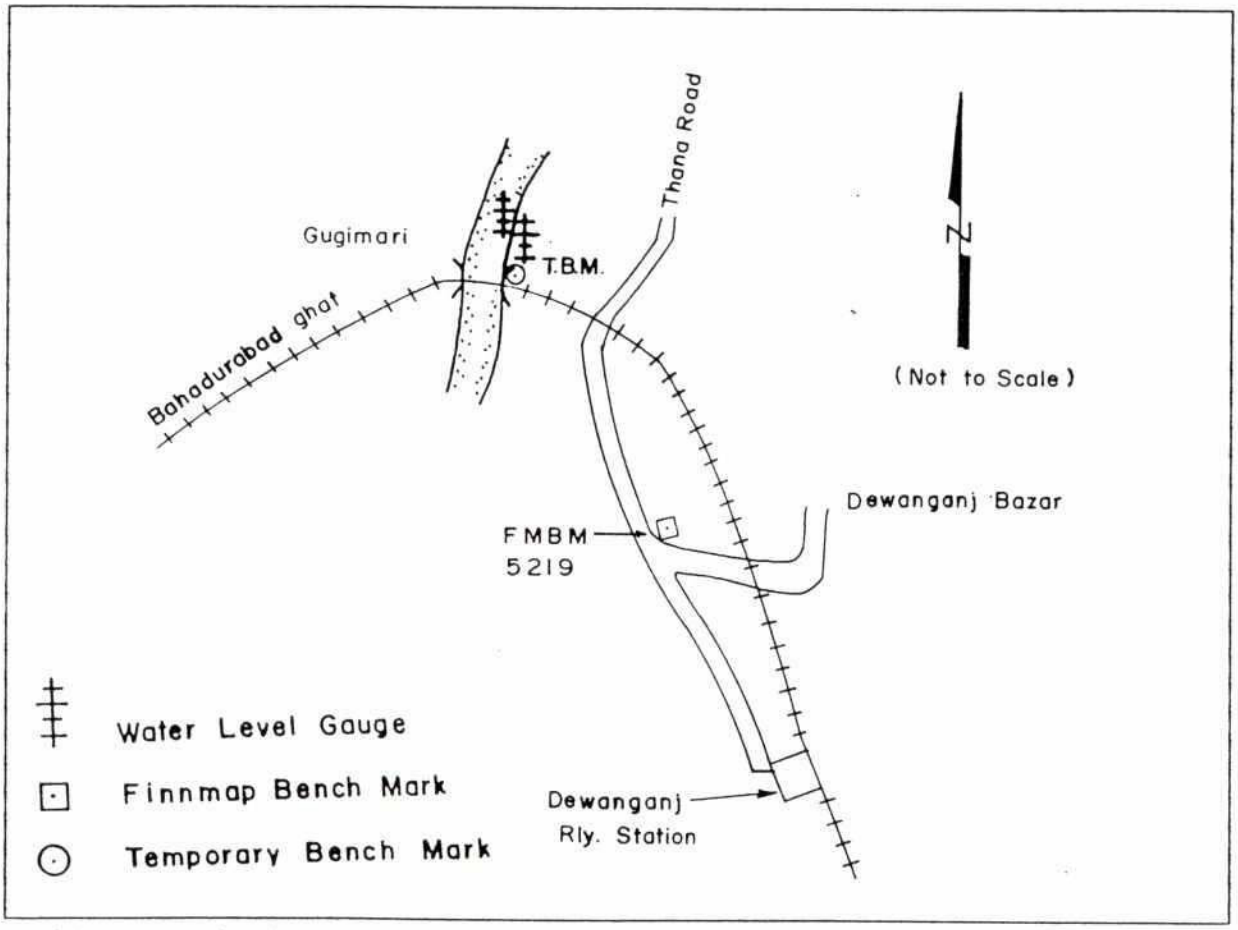
ACCESS : The gauge is located in the village Guzimari. It is on the first Rly. Bridge from Dewanganj side on the Dewanganj-Bahadurabad line.It is about 1 km north from Dewanganj P.S.

TEMPORARY BENCH MARK :

DESCRIPTION : TBM has been established on the north-east corner of Guzimari Rly. Bridge.

ELEVATION : 21.112 m PWD

SKETCH



Jamalpur Priority Project, 1994.

Fig : 18 Sketch map showing location of gauges & TBMs.

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GAUGE STATION - F

LOCATION	: KHUDUR KANDA	RIVER	: Datbhanga
INSTALLATION	: 13.06.94	STATUS	: W.L.
		MAP SHEET	: 78 G/16

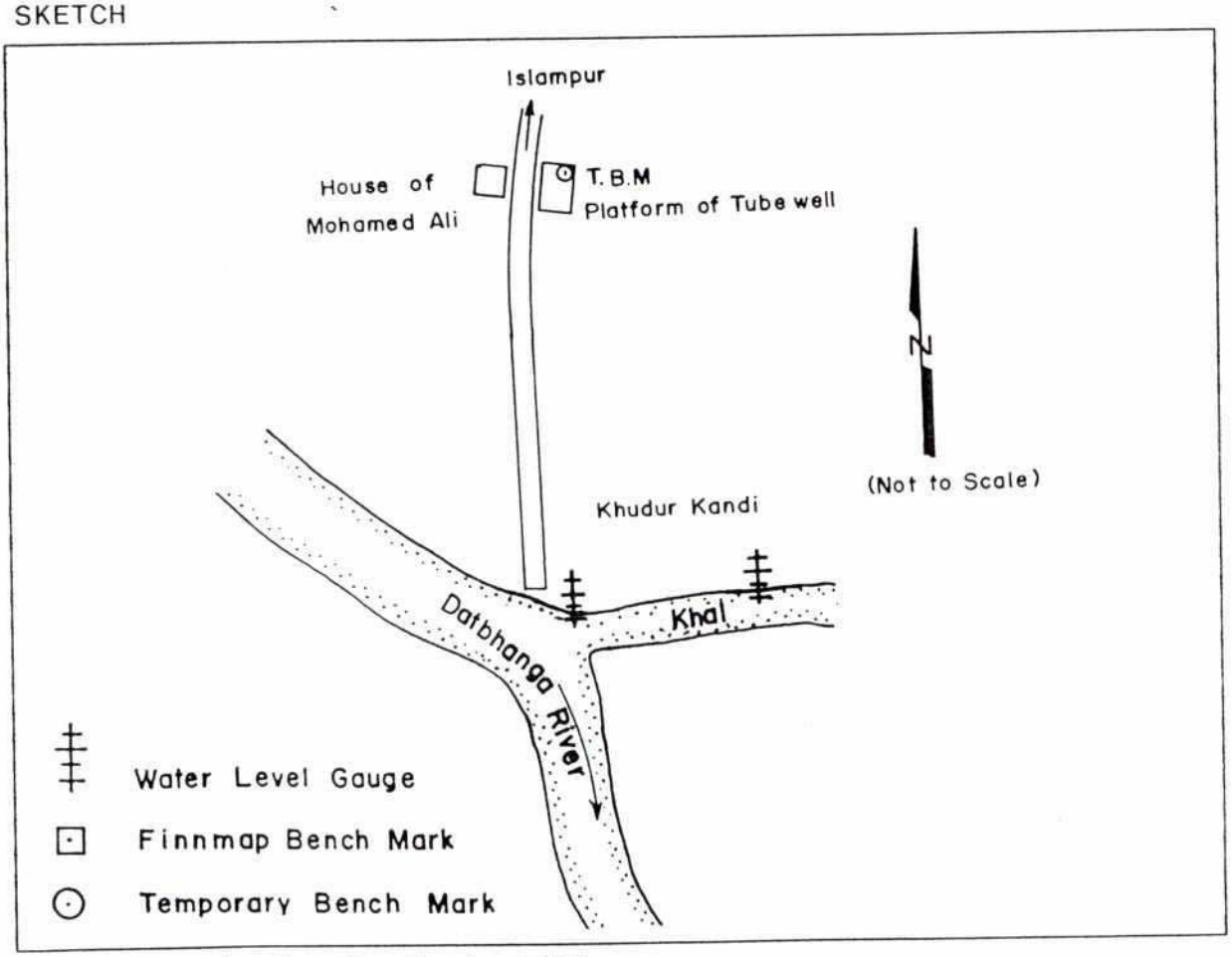
ACCESS : The gauge is located in the river Datbhanga at Khudur kanda.

TEMPORARY BENCH MARK :

DESCRIPTION : TBM has been established on the tube-well platform near the house of Mr. Mahammad Ali in the village khudur kanda.

ELEVATION : 18.673 m PWD

SKETCH



Jamalpur Priority Project, 1994.

Fig : 19 Sketch map showing location of gauges & TBMs.

GAUGE STATION – G

LOCATION	: MAHISBATAN	RIVER	: Chatal Khal
INSTALLATION	: 10.06.94	STATUS	: W.L.
		MAP SHEET	: 78 H/13

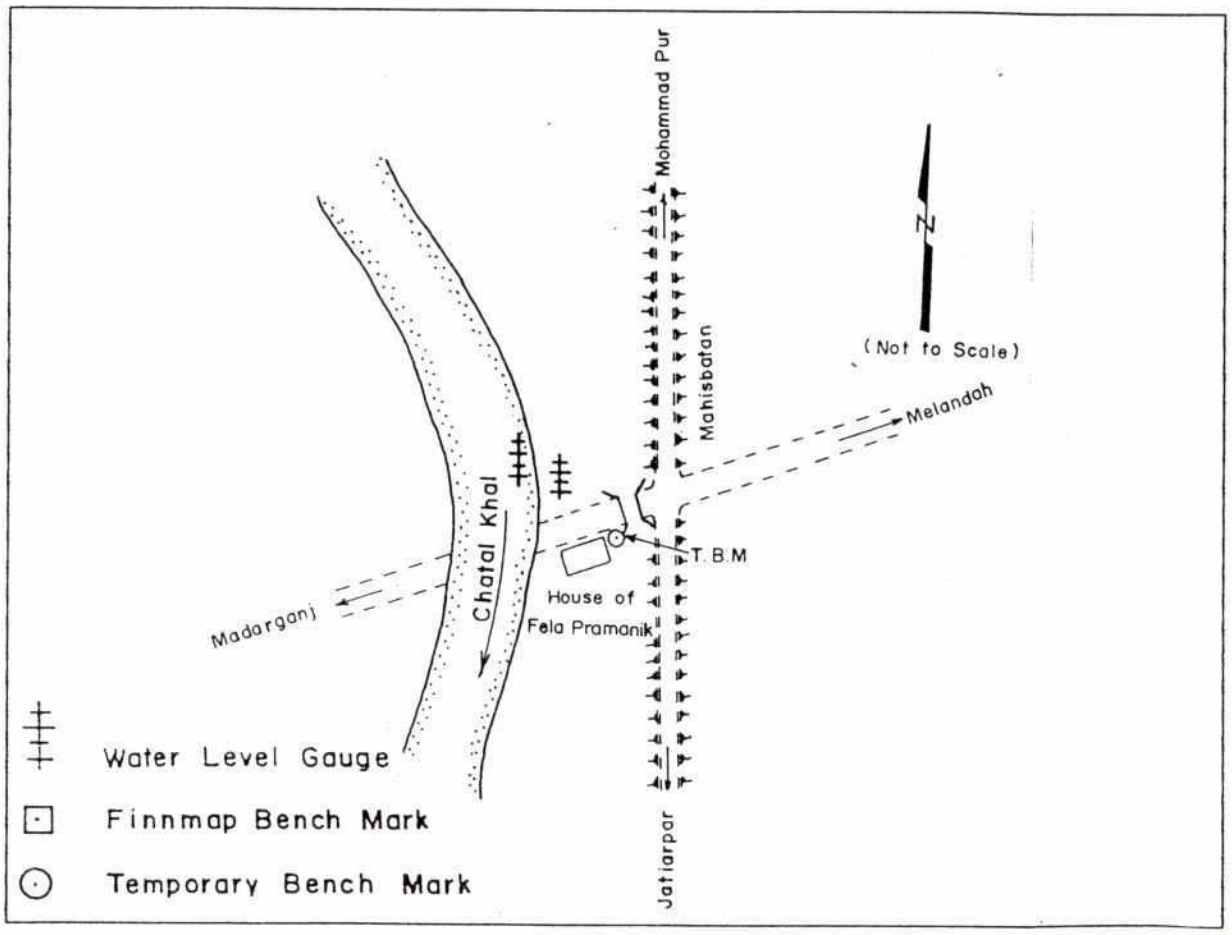
ACCESS : The gauge is located in Chatal Khal at Mahisbatan From Mohammadpur approachable by car or Rickshaw.

TEMPORARY BENCH MARK :

DESCRIPTION : TBM has been established on the south-west corner of Mahisbatan Bridge.

ELEVATION : 18.103 m PWD

SKETCH



Jamalpur Priority Project, 1994.

Fig : 20 Sketch map showing location of gauges & TBMs.

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GAUGE STATION – H

LOCATION	: NAOGHATA BRIDGE	RIVER	: Satkuri Beel
INSTALLATION	: 09.06.94	STATUS	: W.L.
		MAP SHEET:	78 H/13

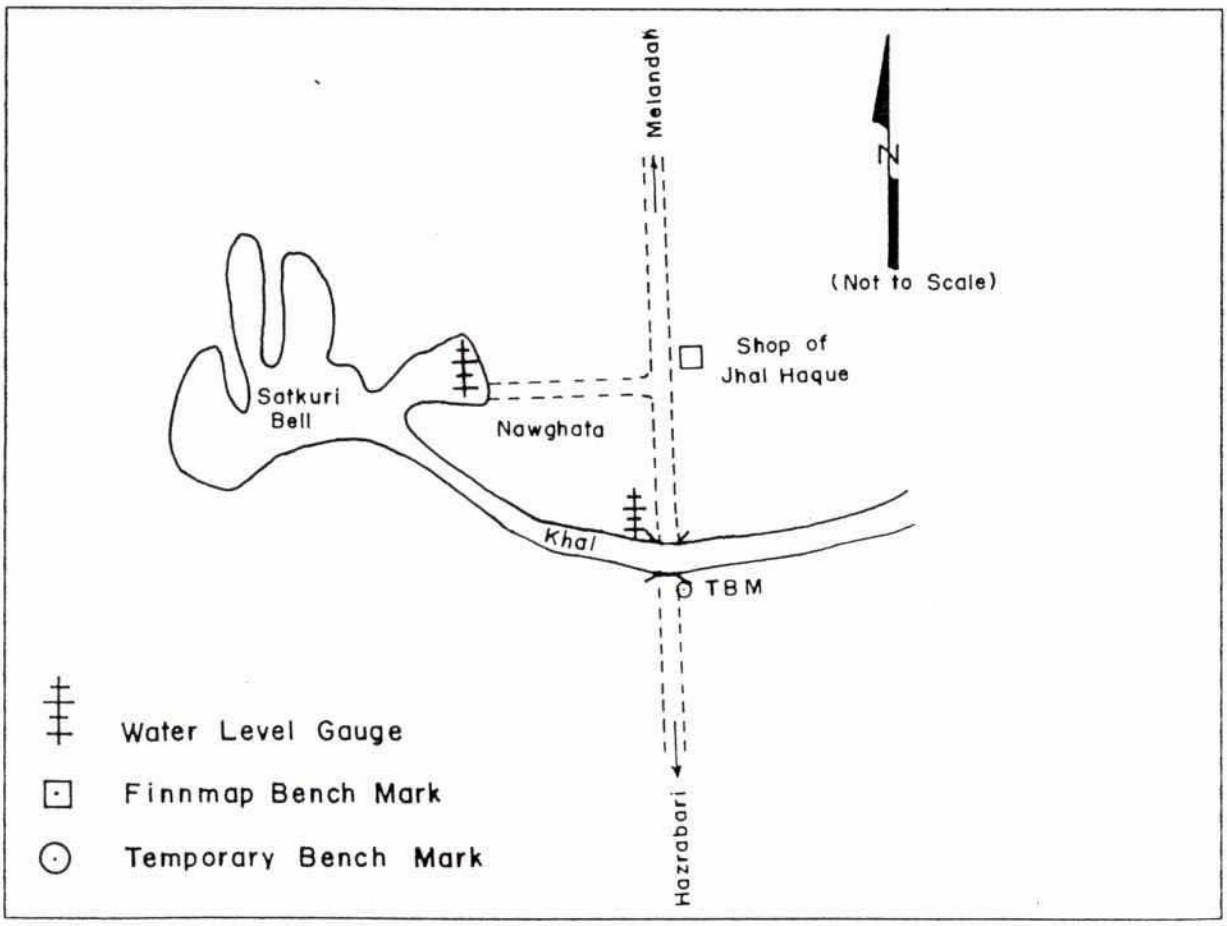
ACCESS : The gauge is located in the Satkusi Bell at Noaghata. It is about 3 km south from Melandah. From Melandah approachable by car or Rickshaw.

TEMPORARY BENCH MARK :

DESCRIPTION : TBM has been established on the south-east corner of Noaghata Bridge.

ELEVATION : 18.006 m PWD

SKETCH



Jamalpur Priority Project, 1994.

Fig : 21 Sketch map showing location of gauges & TBMs.

GAUGE STATION – I

LOCATION	: CHAR BHATIANI	RIVER	: Chatal Khal
INSTALLATION	: 10.06.94	STATUS	: W.L./Discharge
		MAP SHEET	: 78 H/13

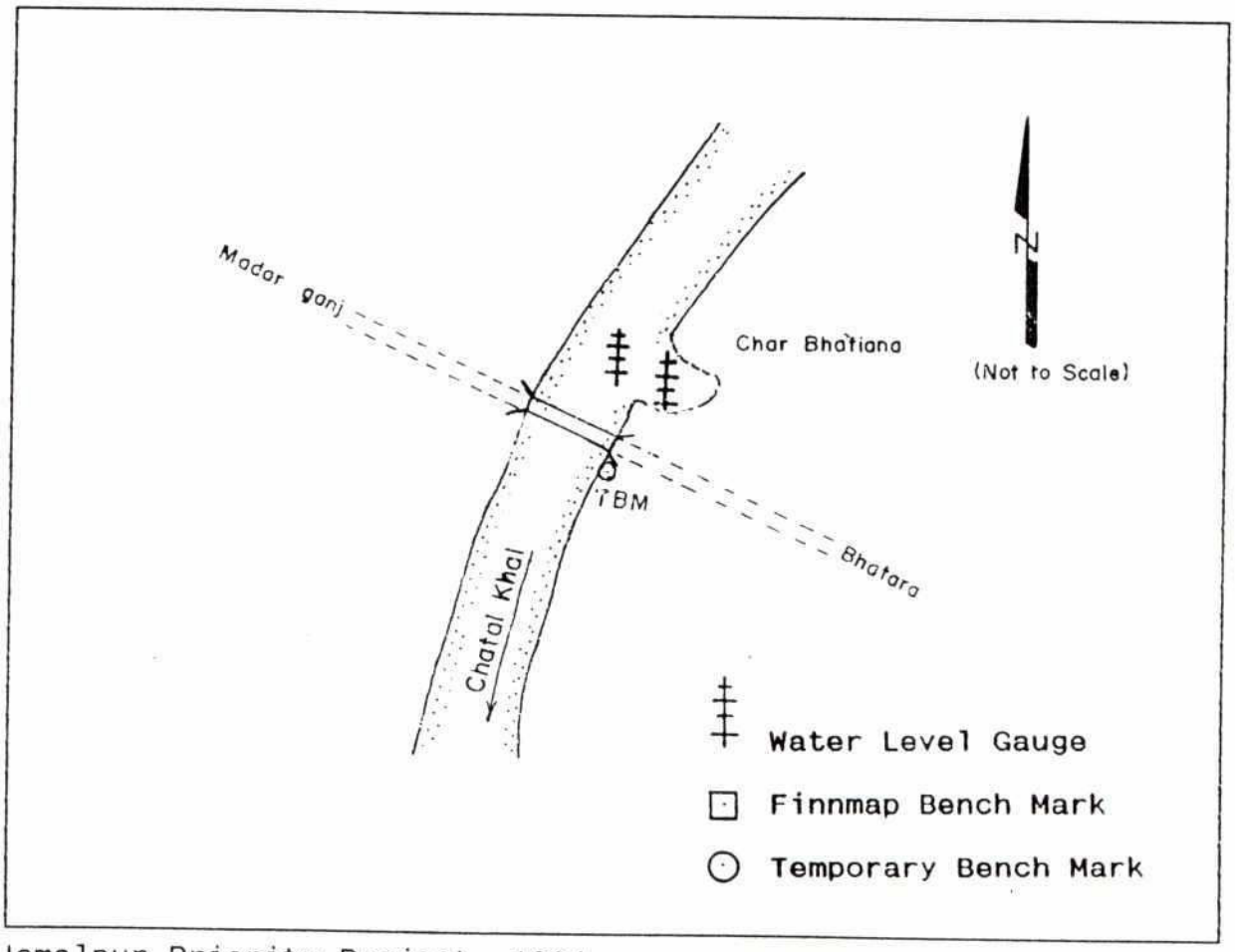
ACCESS : The gauge is located in Chatal Khal at Char-Bhatiani. From Jamalpur approachable by car or Rickshaw, via Bhatara.

TEMPORARY BENCH MARK :

DESCRIPTION : TBM has been established on the pier of the Bridge (under construction) at Char-Bhatiani. It is on the south-east corner of Bridge.

ELEVATION : 16.029 m PWD

SKETCH



Jamalpur Priority Project, 1994.

Fig : Sketch map showing location of gauges & TBMs.

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GAUGE STATION - J

LOCATION	: CHAR JORKHALI	RIVER	: Jamuna
INSTALLATION	: 11.06.94	STATUS	: W.L.
		MAP SHEET	: 78 H/9

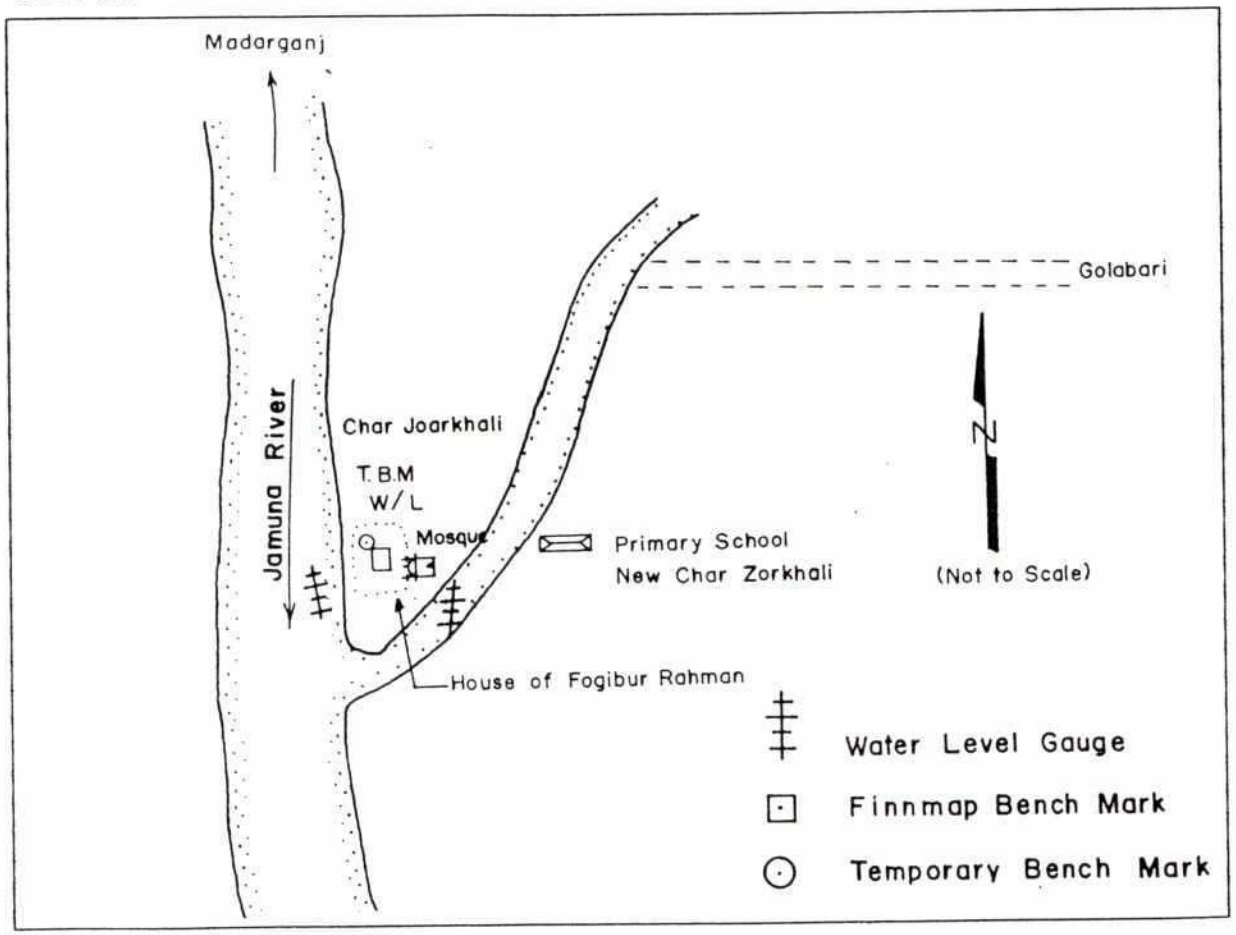
ACCESS : The gauge is located in Jamuna river at Char Jorkhali It is about 250 m east from primary school. From Madarganj approachable by Rickshaw or boat.

TEMPORARY BENCH MARK :

DESCRIPTION : TBM has been established on the platfrom of tube-well at the house of Mr.Fogibur Rahman in the village char Jorkhali.

ELEVATION : 17.034 m PWD

SKETCH



Jamalpur Priority Project, 1994.

Fig : 23 Sketch map showing location of gauges & TBMs.

GAUGE STATION - K

LOCATION	: HELENCHABARI	RIVER	: Chatal South
INSTALLATION	: 09.06.94	STATUS	: W.L./Discharge
		MAP SHEET:	78 H/13

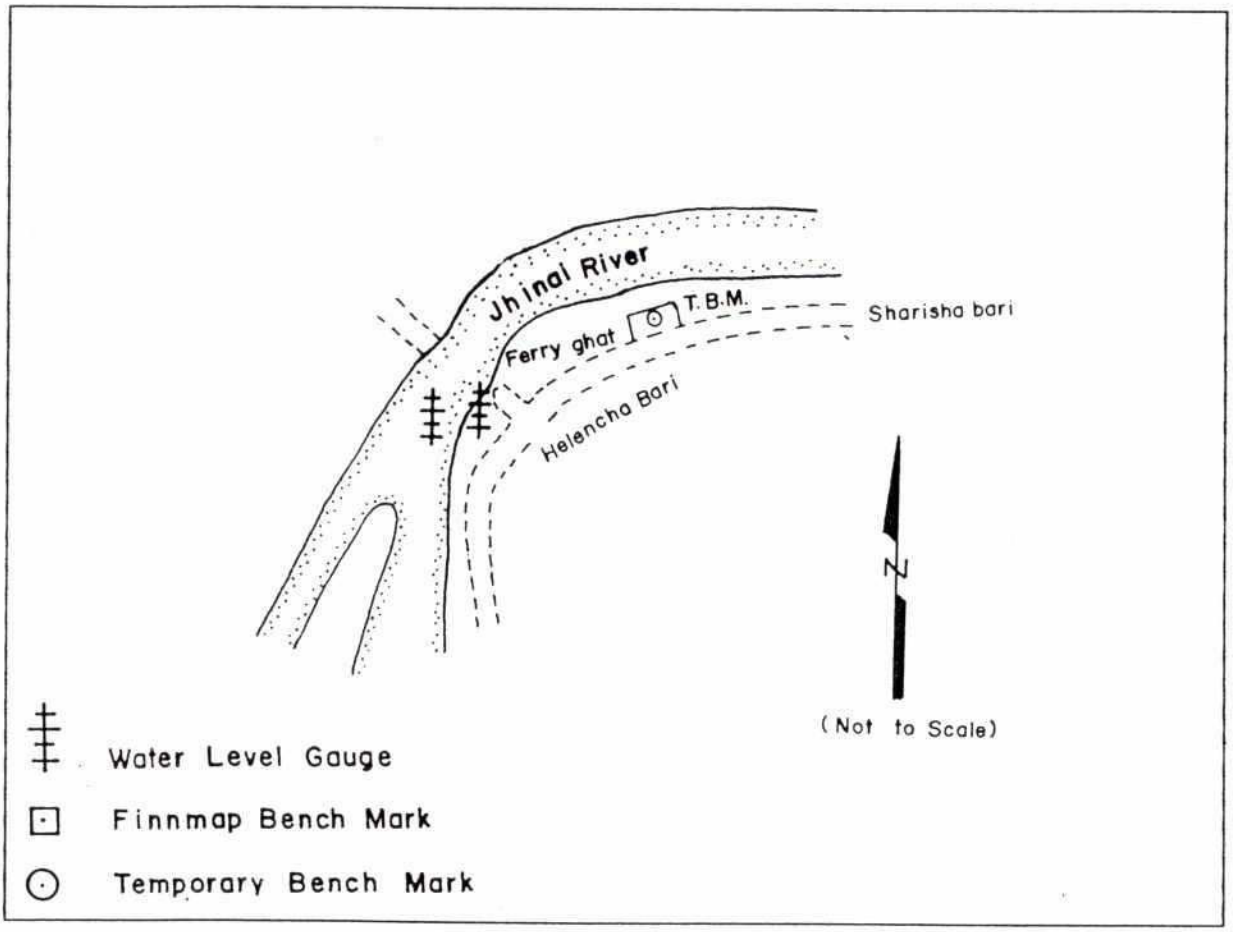
ACCESS : The gauge is located in the Chatal South in the village Helenchabari. It is about 4 km. north from Sharishabari. From Sharishabari approachable by Car or Rickshaw

TEMPORARY BENCH MARK :

DESCRIPTION : TBM has been established on a Rice-mill platfrom in the village Sonakanda. It is about 1 km. away from the gauge post.

ELEVATION : 18.402 m PWD

SKETCH



Jamalpur Priority Project, 1994.

Sketch map showing location of gauges & TBMs.

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GAUGE STATION – L

LOCATION	: BAUSI RLY. BRIDGE	RIVER	: Jhinai
INSTALLATION	: 09.06.94	STATUS	: W.L./Discharge
		MAP SHEET:	78 H/13

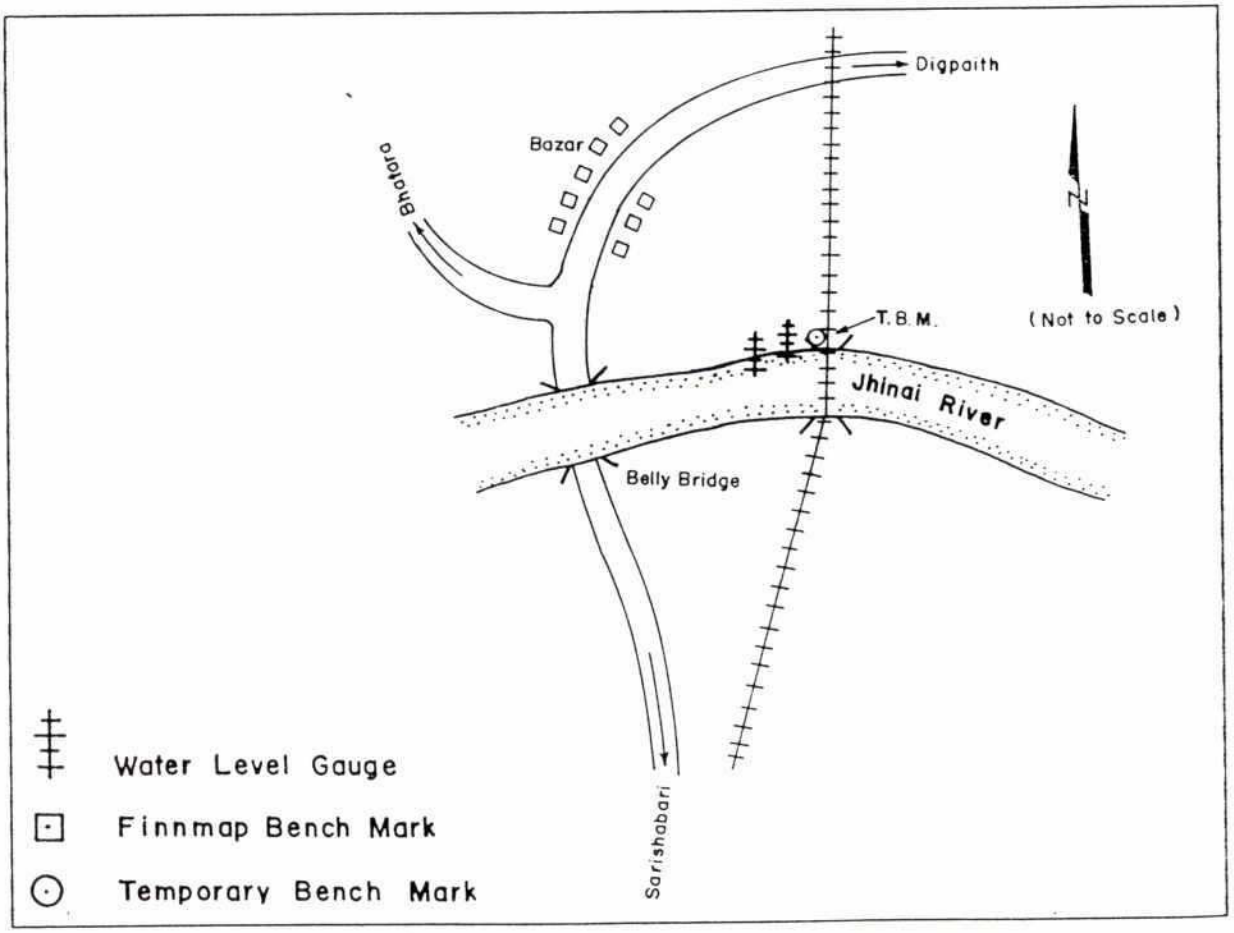
ACCESS : The gauge is located in the Jhinai river at Bausi Rly. Bridge. It is about 2 km east from Sharishabari. From Jamalpur approachable by Bus/Car or Rickshaw.

TEMPORARY BENCH MARK :

DESCRIPTION : TBM has been established on the north-west corner of Bausi Rly Bridge.

ELEVATION : 19.792 m PWD

SKETCH



Jamalpur Priority Project, 1994.

Fig : 25 Sketch map showing location of gauges & TBMs.

GAUGE STATION – M

LOCATION	: JHINAI RLY. BRIDGE	RIVER	: Jhinai
INSTALLATION	: 03.06.94	STATUS	: W.L./Discharge
		MAP SHEET:	78 H/13

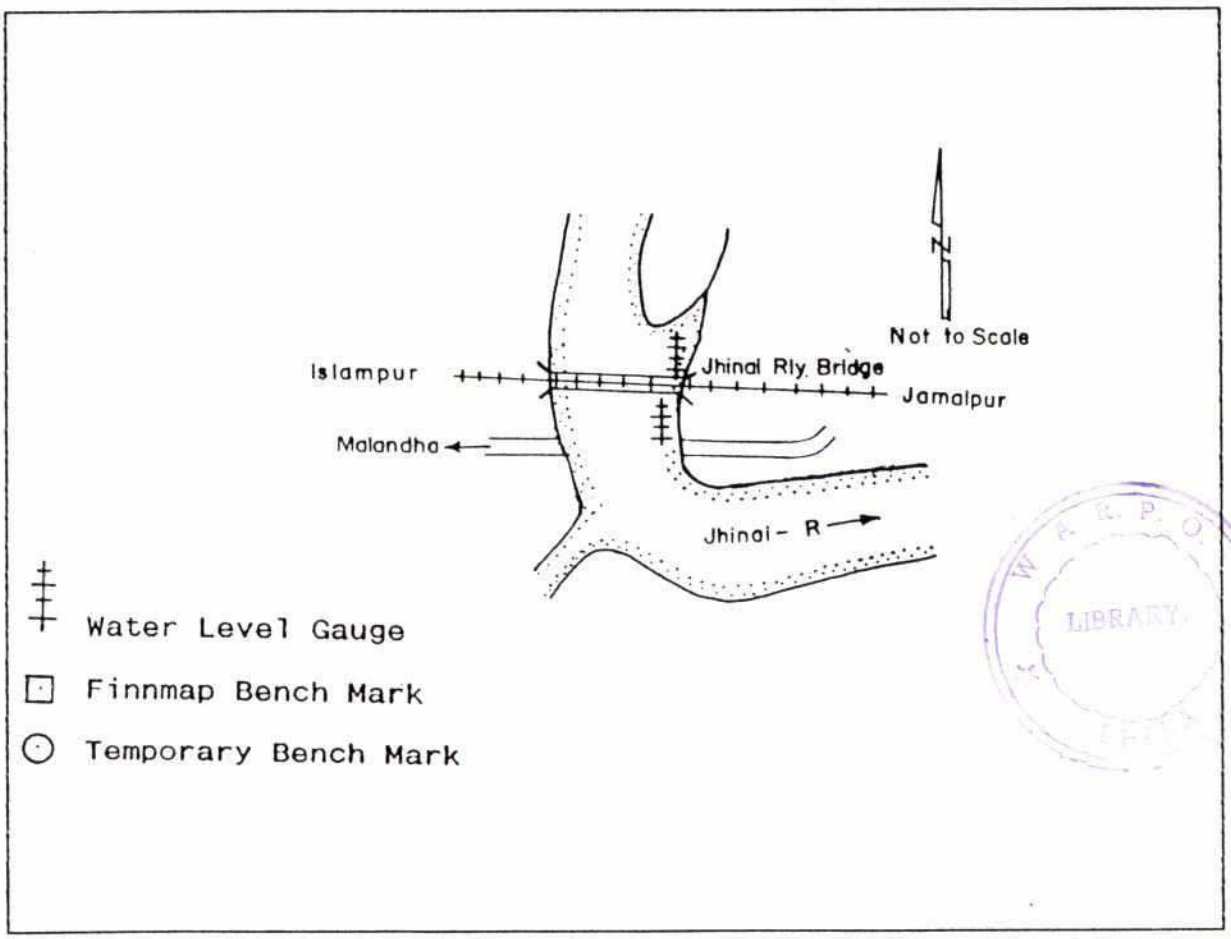
ACCESS : The gauge is located near Jhinai Rly. Bridge. It is about 4 km. north from Jamalpur town. From Jamalpur approachable by Car or Ricshaw.

TEMPORARY BENCH MARK :

DESCRIPTION : TBM has been established on the north-east corner of Jhinai Rly. Birdge.

ELEVATION : 20.382 m PWD

SKETCH



Jamalpur Priority Project, 1994.

Fig : Sketch map showing location of gauges & TBMs.

APPENDIX - C

1994 WATER LEVEL DATA

APPENDIX - C 1

TABLES

SUMMARY OF GAUGE STATIONS 1994 MONSOON

No of gauge stations	Name of gauge stations	River name	Instal. (1) (O)old (N)new	Date of Installation	Coordonates Lat.(°N)	Coordonates Lon.(°E)	Gauge Zero (1994) (m PWD) (2) Lower	Medium	Upper	WL (Y)yes (N)no	Disch. (Y)yes (N)no
1	Belamari	Chatal (W)	O	27-05-94	24 54 48	89 46 50	12.89	-	15.19	Y	N
2	Char Atiapara	Dadbhanga	O	27-05-94	24 55 06	89 48 08	11.90	-	14.70	Y	Y
3	Dhaluabari	Lohajong	O	27-05-94	24 55 55	89 49 32	14.32	-	15.96	Y	N
4	Hat Gobindah	Nangla Khal	O	28-05-94	24 57 26	89 51 20	15.20	-	16.84	Y	N
5	Gobindapur	Nangla Khal	O	27-05-94	24 59 08	89 48 39	15.61	-		Y	N
6	Poyla Bridge	Madardah	O	30-05-94	24 59 17	89 47 23	12.77	-	15.25	Y	N
7	Khashimara	Madardah	O	28-05-94	24 58 37	89 46 38	12.79	-	15.41	Y	N
8	Islampur	Br. of Old Brahmaputra	O	27-05-94	24 05 03	89 47 29	14.46	-	16.35	Y	Y
9	Delirpar	Deli	O	27-05-94	25 05 23	89 44 15	14.13	-	15.88	Y	Y
10	Madhyachar	Bhabki khal	O	27-05-94	24 54 58	89 53 57	13.76	-	15.15	Y	N
11	Hazipur	Jhenai	O	29-05-94	24 51 14	89 52 59	11.69	-	14.07	Y	N
12	Benjail Rampur	Jhenai / Chatal	O	28-05-94	24 49 36	89 49 37	12.04	13.61	14.30	Y	N
13	Jhalopara	Branch of Jamuna	O	28-05-94	24 44 37	89 49 23	10.96		13.23	Y	N
A	Belamari	Chatal (E)	N	08-06-94	24 54 58	89 47 34	12.65	-	15.52	Y	N
B	Tupkar Char	Old Brahmaputra	N	09-06-94	24 59 07	89 52 07	13.15	15.45	16.55	Y	N
C	Putdanga Rly. Br.	Branch of Old Brah.	N	10-06-94	25 07 36	89 46 06	17.06	-	18.27	Y	N
D	Bahadur Rly. Br.	Beel(connect Jamuna)	N	10-06-94	25 09 27	89 45 03	16.52	-	18.53	Y	N
F	Khudur Kanda	Datbhanga	N	13-06-94	25 02 13	89 46 52	14.14	-	14.66	Y	N
G	Mahishbatan	Chatal	N	10-06-94	24 56 43	89 45 47	12.96	-	14.69	Y	Y
H	Naoghata Bridge	Satkuri Beel	N	09-06-94	24 57 08	89 49 22	14.61	-	16.63	Y	N
I	Char Vatiani	Chatal Khal	N	10-06-94	24 49 23	89 48 41	10.99	-	13.40	Y	Y
J	Char Jorkhali	Jamuna	N	11-06-94	24 50 02	89 43 14	12.75	-	15.06	Y	N
K	Helenchabari	Chatal South	N	09-06-94	24 46 04	89 49 08	12.05	-	14.63	Y	Y
L	Bausi Rly. Bridge	Jhenai	O	09-06-94	24 46 47	89 51 18	11.97	-	14.69	Y	Y
M	Jhenai Rly. Bridge	Jhenai	O	08-06-94	24 56 59	89 59 06	12.04	-	16.12	Y	Y

Note :-

1. 'Old' stations - 1993 locations ; New stations - New 1994 locations.
2. Gauge zero refers to the zeros on upto three posts at each station.

CHANGE OF ZERO VALUES DURING DATA COLLECTION

GAUGE STATION	DATE	ZERO VALUES		
		LOWER	MIDDLE	UPPER
08	01-06-94	14.46		15.97
	29-06-94			16.35
11	01-06-94	11.68		14.07
	06-08-94	11.69		
12	01-06-94	10.86	13.61	
	13-07-94	13.05		
	17-07-94	12.25		
	07-08-94	12.04		
	19-08-94			14.03
13	01-06-94	10.27		13.23
	08-08-94	10.97		
	07-09-94	10.96		
B	14-06-94	15.06	15.45	16.55
	07-07-94	15.14		
	06-09-94	13.15		
F	14-06-94	14.66		15.98
	03-08-94	14.14		14.66
G	14-06-94	14.69		16.65
	19-07-94	12.96		14.69
I	14-06-94	12.87		13.40
	08-09-94	10.99		
J	14-06-94	14.04		15.06
	07-09-94	12.75		
K	14-06-94	12.93		14.63
	17-07-94	12.05		
	16-09-94	11.14		12.05
	10-10-94	11.13		
L	14-06-94	12.88		14.69
	17-07-94	11.93		
	20-07-94	11.97		
	22-10-94	11.44		
M	14-06-94	13.38		16.12
	19-07-94	13.04		
	01-08-94	13.38		
	02-08-94	13.32		
	06-09-94	12.04		

Note : The zero values were altered due to the gauge post being shifted to accommodate WL calculations.

WATER LEVEL DATA FOR THE YEAR OF 1994

Project : Jamalpur Project
River : Kalu Mondals Daha
Gauge Station : 01 (Belamari)

Height of BM/TBM : 19.27 m,PWD
Date of gauge connection : 03-06-94
Zero value of gauge : 12.89 m,PWD

Month	Time / Date	0600 hrs. WL m,PWD	0900 hrs. WL m,PWD	1200 hrs. WL m,PWD	1500 hrs. WL m,PWD	1800 hrs. WL m,PWD	Remarks
JUN	1	13.49	13.49	13.48	13.48	13.48	
	2	13.49	13.49	13.49	13.49	13.49	
	3	13.50	13.50	13.50	13.50	13.50	
	4	13.49	13.49	13.49	13.49	13.49	
	5	13.48	13.48	13.48	13.79	13.81	
	6	13.83	13.83	13.83	13.82	13.82	
	7	13.82	13.82	13.81	13.81	13.81	
	8	13.94	13.96	14.02	14.02	14.11	
	9	14.17	14.18	14.18	14.18	14.18	
	10	14.19	14.20	14.21	14.21	14.21	
	11	14.20	14.20	14.20	14.20	14.20	
	12	14.18	14.18	14.17	14.17	14.17	
	13	14.16	14.16	14.16	14.16	14.16	
	14	14.19	14.14	14.13	14.12	14.12	
	15	14.11	14.11	14.10	14.10	14.09	
	16	14.08	14.08	14.08	14.07	14.07	
	17	14.07	14.07	14.07	14.07	14.07	
	18	14.05	14.05	14.05	14.04	14.05	
	19	14.04	14.04	14.03	14.03	14.03	
	20	14.02	14.02	14.01	14.01	14.01	
	21	14.00	14.00	13.99	13.99	13.99	
	22	13.98	13.98	13.98	13.97	13.97	
	23	13.97	13.96	13.96	13.97	14.02	
	24	14.35	14.39	14.46	14.48	14.49	
	25	14.53	14.54	14.54	14.55	14.56	
	26	14.61	14.63	14.65	14.68	14.69	
	27	14.75	14.76	14.76	14.76	14.77	
	28	14.76	14.75	14.75	14.74	14.74	
	29	14.71	14.70	14.70	14.70	14.70	
	30	14.69	14.68	14.68	14.68	14.68	
JUL	1	14.71	14.71	14.76	14.79	14.82	
	2	14.88	14.88	14.87	14.86	14.86	
	3	14.78	14.88	14.69	14.68	14.68	
	4	14.63	14.62	14.69	14.60	14.59	
	5	14.57	14.56	14.56	14.56	14.56	
	6	14.56	14.56	14.57	14.57	14.57	
	7	14.58	14.58	14.58	14.59	14.59	
	8	14.61	14.61	14.61	14.61	14.61	
	9	14.60	14.60	14.58	14.58	14.56	
	10	14.54	14.53	14.53	14.52	14.51	
	11	14.50	14.49	14.49	14.49	14.49	
	12	14.50	14.50	14.50	14.49	14.49	
	13	14.48	14.48	14.47	14.46	14.46	
	14	14.45	14.44	14.43	14.42	14.42	
	15	14.40	14.40	14.39	14.38	14.38	
	16	14.35	14.35	14.34	14.34	14.34	
	17	14.32	14.32	14.31	14.30	14.30	
	18	14.30	14.30	14.29	14.29	14.28	
	19	14.28	14.28	14.27	14.27	14.27	
	20	14.26	14.26	14.26	14.26	14.25	
	21	14.25	14.25	14.25	14.26	14.26	
	22	14.37	14.45	14.44	14.43	14.41	
	23	14.35	14.34	14.33	14.31	14.31	
	24	14.32	14.32	14.31	14.31	14.31	
	25	14.31	14.31	14.30	14.30	14.30	
	26	14.34	14.31	14.30	14.30	14.30	
	27	14.30	14.32	14.34	14.31	14.31	
	28	14.31	14.31	14.30	14.30	14.30	
	29	14.29	14.29	14.29	14.29	14.29	
	30	14.31	14.30	14.29	14.29	14.29	
	31	14.28	14.28	14.27	14.27	14.27	
AUG	1	14.27	14.27	14.27	14.26	14.26	
	2	14.26	14.26	14.26	14.26	14.26	
	3	14.25	14.25	14.25	14.25	14.25	
	4	14.28	14.28	14.28	14.28	14.28	
	5	14.32	14.32	14.32	14.33	14.33	
	6	14.33	14.34	14.34	14.33	14.33	
	7	14.32	14.32	14.31	14.31	14.31	
	8	14.32	14.34	14.37	14.37	14.37	
	9	14.36	14.36	14.34	14.33	14.33	
	10	14.34	14.33	14.33	14.32	14.32	
	11	14.31	14.31	14.31	14.31	14.32	
	12	14.32	14.32	14.32	14.32	14.32	
	13	14.29	14.29	14.29	14.29	14.29	
	14	14.29	14.29	14.30	14.30	14.30	
	15	14.31	14.31	14.31	14.31	14.30	
	16	14.30	14.32	14.34	14.39	14.41	
	17	14.45	14.45	14.59	14.61	14.61	
	18	14.62	14.62	14.66	14.66	14.66	
	19	14.65	14.65	14.65	14.65	14.65	
	20	14.64	14.63	14.63	14.62	14.63	
	21	14.62	14.62	14.62	14.62	14.62	
	22	14.60	14.60	14.61	14.61	14.60	
	23	14.54	14.53	14.51	14.61	14.49	
	24	14.48	14.48	14.47	14.47	14.46	
	25	14.47	14.47	14.47	14.47	14.47	

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Kalu Mondals Daha Gauge Station : 01 (Belamari)			Height of BM/TBM : 19.27 m,PWD Date of gauge connection : 03-06-94 Zero value of gauge : 12.89 m,PWD			
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
	26	14.46	14.46	14.46	14.46	14.46	
	27	14.45	14.45	14.45	14.45	14.45	
	28	14.46	14.46	14.45	14.44	14.44	
	29	14.43	14.43	14.43	14.42	14.43	
	30	14.42	14.42	14.42	14.41	14.41	
	31	14.39	14.39	14.39	14.39	14.39	
SEP	1	14.39	14.39	14.38	14.37	14.37	
	2	14.36	14.36	14.35	14.34	14.34	
	3	14.32	14.32	14.32	14.31	14.31	
	4	14.31	14.31	14.30	14.30	14.30	
	5	14.29	14.28	14.28	14.28	14.28	
	6	14.28	14.28	14.27	14.27	14.27	
	7	14.27	14.27	14.27	14.26	14.26	
	8	14.26	14.26	14.26	14.26	14.26	
	9	14.29	14.29	14.28	14.28	14.28	
	10	14.28	14.28	14.28	14.28	14.28	
	11	14.27	14.27	14.27	14.27	14.27	
	12	14.27	14.27	14.28	14.27	14.27	
	13	14.26	14.26	14.27	14.27	14.27	
	14	14.28	14.28	14.28	14.28	14.28	
	15	14.27	14.27	14.27	14.27	14.27	
	16	14.27	14.28	14.28	14.27	14.27	
	17	14.26	14.26	14.26	14.26	14.26	
	18	14.25	14.25	14.25	14.25	14.26	
	19	14.25	14.25	14.25	14.25	14.25	
	20	14.26	14.26	14.27	14.27	14.27	
	21	14.27	14.27	14.27	14.27	14.27	
	22	14.29	14.29	14.29	14.29	14.29	
	23	14.29	14.29	14.29	14.29	14.29	
	24	14.29	14.29	14.28	14.28	14.28	
	25	14.28	14.28	14.28	14.28	14.28	
	26	14.27	14.27	14.27	14.27	14.27	
	27	14.27	14.26	14.26	14.26	14.26	
	28	14.26	14.26	14.25	14.25	14.25	
	29	14.25	14.25	14.24	14.24	14.24	
	30	14.24	14.24	14.24	14.23	14.23	
OCT	1	14.23	14.23	14.23	14.23	14.23	
	2	14.22	14.22	14.22	14.22	14.21	
	3	14.22	14.24	14.24	14.24	14.24	
	4	14.26	14.26	14.26	14.26	14.38	
	5	14.39	14.39	14.37	14.36	14.39	
	6	14.44	14.45	14.44	14.43	14.42	
	7	14.38	14.37	14.36	14.36	14.35	
	8	14.33	14.33	14.33	14.33	14.33	
	9	14.32	14.32	14.31	14.31	14.34	
	10	14.41	14.41	14.41	14.41	14.41	
	11	14.37	14.37	14.36	14.36	14.36	
	12	14.33	14.33	14.33	14.33	14.32	
	13	14.33	14.33	14.33	14.33	14.33	
	14	14.32	14.32	14.32	14.32	14.32	
	15	14.32	14.32	14.31	14.31	14.31	
	16	14.31	14.31	14.31	14.31	14.31	
	17	14.30	14.30	14.30	14.30	14.30	
	18	14.30	14.30	14.30	14.30	14.30	
	19	14.29	14.29	14.29	14.29	14.29	
	20	14.29	14.29	14.28	14.28	14.28	
	21	14.28	14.28	14.28	14.28	14.28	
	22	14.28	14.28	14.27	14.27	14.27	
	23	14.26	14.26	14.26	14.26	14.26	
	24	14.26	14.26	14.26	14.26	14.26	
	25	14.25	14.25	14.25	14.25	14.25	
	26	14.24	14.24	14.24	14.24	14.24	
	27	14.23	14.23	14.23	14.23	14.23	
	28	14.22	14.22	14.22	14.22	14.22	
	29	14.21	14.21	14.21	14.21	14.21	
	30	14.21	14.21	14.21	14.20	14.20	
	31	14.21	14.21	14.21	14.21	14.21	

Note

Zero value of certain gauges were altered due to gauge posts being resited at the same location to accommodate WL fluctuations. These changes are given in Table on page C-2.

Where zero values have been altered, these are not given in WL tables. Only the final value is given in these tables.

WATER LEVEL DATA FOR THE YEAR OF 1994

Project : Jamalpur Project
River : Dadbhanga
Gauge Station : 02 (Char Atiapara)

Height of BM/TBM : 18.51 m,PWD
Date of gauge connection : 02-06-94
Zero value of gauge : 11.90 m,PWD

Month	Time / Date	0600 hrs. WL m,PWD	0900 hrs. WL m,PWD	1200 hrs. WL m,PWD	1500 hrs. WL m,PWD	1800 hrs. WL m,PWD	Remarks
JUN	1	12.37	12.36	12.37	12.36	12.36	
	2	12.36	12.36	12.36	12.35	12.35	
	3	12.37	12.38	12.42	12.47	12.52	
	4	12.78	12.89	12.98	13.06	13.13	
	5	13.39	13.45	13.59	13.66	13.69	
	6	13.82	13.86	13.91	13.93	13.96	
	7	14.04	14.06	14.08	14.09	14.10	
	8	14.13	14.14	14.17	14.16	14.16	
	9	14.15	14.15	14.14	14.13	14.13	
	10	14.10	14.09	14.10	14.10	14.09	
	11	14.06	14.05	14.04	14.03	14.01	
	12	13.94	13.92	13.90	13.88	13.87	
	13	13.81	13.79	13.72	13.77	13.75	
	14	13.70	13.69	13.69	13.66	13.64	
	15	13.58	13.57	13.56	13.54	13.52	
	16	13.49	13.47	13.48	13.46	13.45	
	17	13.44	13.43	13.43	13.43	13.42	
	18	13.41	13.41	13.42	13.42	13.42	
	19	13.45	13.46	13.47	13.46	13.48	
	20	13.56	13.57	13.61	13.64	13.67	
	21	13.78	13.81	13.85	13.88	13.91	
	22	14.00	14.03	14.05	14.07	14.09	
	23	14.14	14.15	14.16	14.17	14.17	
	24	14.19	14.20	14.20	14.20	14.20	
	25	14.21	14.22	14.24	14.24	14.24	
	26	14.29	14.29	14.31	14.31	14.32	
	27	14.37	14.38	14.40	14.42	14.44	
	28	14.45	14.45	14.46	14.45	14.45	
	29	14.44	14.44	14.44	14.43	14.43	
	30	14.42	14.41	14.42	14.41	14.41	
JUL	1	14.42	14.42	14.42	14.43	14.43	
	2	14.50	14.52	14.53	14.53	14.54	
	3	14.53	14.53	14.53	14.51	14.50	
	4	14.45	14.44	14.42	14.40	14.38	
	5	14.33	14.31	14.30	14.30	14.28	
	6	14.26	14.26	14.26	14.26	14.26	
	7	14.27	14.27	14.27	14.27	14.27	
	8	14.28	14.28	14.28	14.28	14.28	
	9	14.27	14.28	14.28	14.26	14.25	
	10	14.21	14.21	14.20	14.18	14.17	
	11	14.13	14.13	14.11	14.11	14.10	
	12	14.07	14.06	14.07	14.06	14.05	
	13	14.04	14.04	14.03	14.01	14.00	
	14	13.95	13.94	13.92	13.92	13.89	
	15	13.82	13.81	13.79	13.77	13.75	
	16	13.69	13.67	13.65	13.62	13.60	
	17	13.53	13.51	13.50	13.47	13.45	
	18	13.38	13.37	13.36	13.33	13.31	
	19	13.23	13.21	13.20	13.17	13.14	
	20	13.06	13.05	13.05	13.03	13.00	
	21	12.95	12.93	12.93	12.92	12.90	
	22	13.03	13.04	13.04	13.05	13.06	
	23	13.04	13.02	13.03	13.04	13.03	
	24	13.05	13.05	13.05	13.05	13.05	
	25	13.06	13.07	13.07	13.08	13.09	
	26	13.09	13.10	13.09	13.09	13.09	
	27	13.11	13.11	13.13	13.13	13.14	
	28	13.18	13.19	13.20	13.21	13.22	
	29	13.25	13.26	13.27	13.27	13.26	
	30	13.29	13.29	13.29	13.28	13.27	
	31	13.28	13.30	13.33	13.34	13.34	
AUG	1	13.43	13.47	13.50	13.52	13.54	
	2	13.63	13.65	13.68	13.69	13.70	
	3	13.75	13.76	13.78	13.76	13.75	
	4	13.74	13.73	13.72	13.71	13.71	
	5	13.70	13.70	13.70	13.69	13.68	
	6	13.65	13.64	13.64	13.63	13.64	
	7	13.59	13.58	13.58	13.57	13.55	
	8	13.54	13.53	13.53	13.52	13.51	
	9	13.47	13.48	13.48	13.47	13.46	
	10	13.46	13.46	13.46	13.45	13.44	
	11	13.41	13.40	13.40	13.40	13.40	
	12	13.45	13.46	13.46	13.46	13.46	
	13	13.50	13.50	13.51	13.52	13.53	
	14	13.56	13.57	13.58	13.58	13.59	
	15	13.76	13.78	13.82	13.85	13.88	
	16	13.99	14.02	14.04	14.06	14.08	
	17	14.19	14.20	14.23	14.25	14.26	
	18	14.32	14.33	14.35	14.34	14.34	
	19	14.34	14.35	14.35	14.35	14.34	
	20	14.31	14.31	14.30	14.30	14.30	
	21	14.28	14.28	14.28	14.27	14.26	
	22	14.26	14.26	14.24	14.25	14.25	
	23	14.16	14.13	14.11	14.09	14.08	
	24	14.04	14.03	14.03	14.02	14.01	
	25	14.03	14.03	14.03	14.03	14.02	

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Dadbhanga Gauge Station : 02 (Char Atiapara)			Height of BM/TBM : 18.51 m,PWD Date of gauge connection : 02-06-94 Zero value of gauge : 11.90 m,PWD			
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
	26	14.01	14.00	14.00	13.99	13.98	
	27	13.99	13.99	13.99	13.98	13.98	
	28	13.98	13.92	13.97	13.96	13.95	
	29	13.92	13.91	13.91	13.91	13.91	
	30	13.89	13.88	13.88	13.87	13.87	
	31	13.84	13.84	13.84	13.83	13.83	
SEP	1	13.82	13.81	13.81	13.81	13.81	
	2	13.75	13.74	13.73	13.72	13.70	
	3	13.63	13.63	13.60	13.58	13.57	
	4	13.52	13.51	13.51	13.49	13.48	
	5	13.42	13.41	13.39	13.37	13.35	
	6	13.29	13.27	13.25	13.24	13.23	
	7	13.15	13.14	13.13	13.11	13.10	
	8	13.07	13.05	13.03	13.03	13.03	
	9	13.11	13.18	13.22	13.22	13.23	
	10	13.16	13.15	13.14	13.14	13.14	
	11	13.10	13.10	13.09	13.09	13.08	
	12	13.07	13.07	13.07	13.07	13.07	
	13	13.10	13.10	13.11	13.11	13.11	
	14	13.13	13.13	13.14	13.15	13.16	
	15	13.27	13.28	13.30	13.30	13.31	
	16	13.30	13.29	13.29	13.28	13.28	
	17	13.27	13.26	13.26	13.26	13.26	
	18	13.25	13.25	13.25	13.25	13.24	
	19	13.23	13.23	13.23	13.23	13.23	
	20	13.27	13.27	13.28	13.29	13.31	
	21	13.45	13.47	13.49	13.51	13.52	
	22	13.61	13.62	13.63	13.64	13.65	
	23	13.65	13.65	13.64	13.64	13.63	
	24	13.63	13.62	13.61	13.60	13.59	
	25	13.56	13.56	13.55	13.53	13.52	
	26	13.51	13.50	13.49	13.48	13.47	
	27	13.46	13.44	13.44	13.43	13.43	
	28	13.41	13.41	13.40	13.40	13.40	
	29	13.35	13.35	13.34	13.32	13.31	
	30	13.27	13.26	13.25	13.23	13.22	
OCT	1	13.18	13.17	13.16	13.14	13.12	
	2	13.07	13.04	13.03	13.02	13.00	
	3	12.97	12.97	12.98	12.97	12.97	
	4	13.04	13.03	13.03	13.02	13.02	
	5	12.99	12.99	12.98	12.98	12.98	
	6	12.97	12.97	12.97	12.98	12.98	
	7	12.99	12.98	12.97	12.96	12.96	
	8	12.96	12.95	12.95	12.94	12.94	
	9	12.96	12.96	12.97	13.00	13.04	
	10	13.22	13.25	13.29	13.33	13.36	
	11	13.55	13.58	13.59	13.60	13.60	
	12	13.56	13.55	13.53	13.52	13.50	
	13	13.43	13.42	13.41	13.40	13.39	
	14	13.32	13.31	13.30	13.29	13.28	
	15	13.32	13.21	13.20	13.20	13.19	
	16	13.15	13.14	13.14	13.13	13.12	
	17	13.08	13.08	13.08	13.08	13.07	
	18	13.05	13.04	13.04	13.04	13.04	
	19	13.03	13.03	13.02	13.02	13.01	
	20	12.99	12.98	12.98	12.97	12.96	
	21	12.93	12.92	12.92	12.91	12.91	
	22	12.87	12.86	12.85	12.84	12.83	
	23	12.79	12.78	12.77	12.77	12.76	
	24	12.76	12.80	12.81	12.83	12.85	
	25	12.81	12.80	12.79	12.77	12.75	
	26	12.68	12.66	12.64	12.62	12.61	
	27	12.60	12.58	12.58	12.58	12.57	
	28	12.57	12.57	12.58	12.59	12.59	
	29	12.57	12.57	12.56	12.55	12.55	
	30	12.54	12.53	12.53	12.52	12.52	
	31	12.55	12.56	12.56	12.56	12.56	

Note

Zero value of certain gauges were altered due to gauge posts being resited at the same location to accommodate WL fluctuations. These changes are given in Table on page C-2.

Where zero values have been altered, these are not given in WL tables. Only the final value is given in these tables.

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Lohajong Gauge Station : 03 (Dhaluabari)				Height of BM/TBM : 18.78 m,PWD Date of gauge connection : 02-06-94 Zero value of gauge : 14.32 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
JUNE	1						DRY
	2						"
	3						"
	4						"
	5						"
	6						"
	7						"
	8						"
	9						"
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	23						"
	24						"
	25						"
	26						"
	27						"
	28						"
	29						"
	30						"
JULY	1						"
	2						"
	3						"
	4						"
	5						"
	6						"
	7						"
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	29						"
	30						"
	31						"
AUGUST	1						"
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	3						"
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	5						"
	6						"
	7						"
	8						"
	9						"
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	14						"
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	16						"
	17						"
	18						"
	19						"
	20						"
	21						"
	22						"
	23						"
	24						"

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Lohajong Gauge Station : 03 (Dhaluabari)				Height of BM/TBM : 18.78 m,PWD Date of gauge connection : 02-06-94 Zero value of gauge : 14.32 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
	25						DRY
	26						"
	27						"
	28						"
	29						"
	30						"
	31						"
SEPTEMBER	1						"
	2						"
	3						"
	4						"
	5						"
	6						"
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	9						"
	10						"
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	23						"
	24						"
	25						"
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	27						"
	28						"
	29						"
	30						"
OCTOBER	1						"
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	23						"
	24						"
	25						"
	26						"
	27						"
	28						"
	29						"
	30						"
	31						DRY

Note

Zero value of certain gauges were altered due to gauge posts being resited at the same location to accommodate WL fluctuations. These changes are given in Table on page C-2.

Where zero values have been altered, these are not given in WL tables. Only the final value is given in these tables.

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Nangla khal Gauge Station : 04 (Hat Gobinda)				Height of BM/TBM : 19.26 m,PWD Date of gauge connection : 02-06-94 Zero value of gauge : 15.20 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
JUNE	1						DRY
	2						"
	3						"
	4						"
	5						"
	6						"
	7						"
	8						"
	9						"
	10						"
	11						"
	12						"
	13						"
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	23						"
	24						"
	25						"
	26						"
	27						"
	28						"
	29						"
	30						"
JULY	1						"
	2						"
	3						"
	4						"
	5						"
	6						"
	7						"
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	26						"
	27						"
	28						"
	29						"
	30						"
	31						"
AUGUST	1						"
	2						"
	3						"
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	17						"
	18						"
	19						"
	20						"
	21						"
	22						"
	23						"
	24						"

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Nangla khal Gauge Station : 04 (Hat Gobinda)				Height of BM/TBM : 19.26 m,PWD Date of gauge connection : 02-06-94 Zero value of gauge : 15.20 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
	25						DRY
	26						"
	27						"
	28						"
	29						"
	30						"
	31						"
SEPTEMBER	1						"
	2						"
	3						"
	4						"
	5						"
	6						"
	7						"
	8						"
	9						"
	10						"
	11						"
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	13						"
	14						"
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	22						"
	23						"
	24						"
	25						"
	26						"
	27						"
	28						"
	29						"
	30						"
OCTOBER	1						"
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	4						"
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	6						"
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	8						"
	9						"
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	22						"
	23						"
	24						"
	25						"
	26						"
	27						"
	28						"
	29						"
	30						"
	31						DRY

Note

Zero value of certain gauges were altered due to gauge posts being resited at the same location to accommodate WL fluctuations. These changes are given in Table on page C-2.

Where zero values have been altered, these are not given in WL tables. Only the final value is given in these tables.

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Nangla khal Gauge Station : 05 (Gobindapur)				Height of BM/TBM : 18.65 m,PWD Date of gauge connection : 02-06-94 Zero value of gauge : 15.61 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
JUNE	1						DRY
	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						"
JULY	1						"
	2						"
	3						"
	4						"
	5						"
	6						"
	7						"
	8						"
	9						"
	10						"
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	24						"
	25						"
	26						"
	27						"
	28						"
	29						"
	30						"
	31						"
AUGUST	1						"
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	3						"
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	5						"
	6						"
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	17						"
	18						"
	19						"
	20						"
	21						"
	22						"
	23						"
	24						"

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WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Nangla khal Gauge Station : 05 (Gobindapur)				Height of BM/TBM : 18.65 m,PWD Date of gauge connection : 02-06-94 Zero value of gauge : 15.61 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
	25						DRY
	26						"
	27						"
	28						"
	29						"
	30						"
	31						"
SEPTEMBER	1						"
	2						"
	3						"
	4						"
	5						"
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	7						"
	8						"
	9						"
	10						"
	11						"
	12						"
	13						"
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	16						"
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	22						"
	23						"
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	25						"
	26						"
	27						"
	28						"
	29						"
	30						"
OCTOBER	1						"
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	7						"
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	22						"
	23						"
	24						"
	25						"
	26						"
	27						"
	28						"
	29						"
	30						"
	31						DRY

Note

Zero value of certain gauges were altered due to gauge posts being resited at the same location to accommodate WL fluctuations. These changes are given in Table on page C-2.

Where zero values have been altered, these are not given in WL tables. Only the final value is given in these tables.

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Madardah Gauge Station : 06 (Poyla Bridge)				Height of BM/TBM : 17.89 m,PWD Date of gauge connection : 02-06-94 Zero value of gauge : 12.77 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
JUN	1	13.30	13.31	13.31	13.31	13.31	
	2	13.33	13.33	13.34	13.34	13.35	
	3	13.39	13.40	13.42	13.42	13.43	
	4	13.47	13.48	13.49	13.49	13.49	
	5	13.49	13.49	13.55	13.59	13.64	
	6	13.79	13.83	13.89	13.91	13.94	
	7	14.01	14.03	14.05	14.07	14.09	
	8	14.13	14.14	14.16	14.17	14.18	
	9	14.19	14.19	14.19	14.19	14.18	
	10	14.17	14.17	14.22	14.23	14.24	
	11	14.24	14.23	14.23	14.21	14.20	
	12	14.15	14.13	14.13	14.11	14.10	
	13	14.12	14.13	14.13	14.12	14.11	
	14	14.05	14.03	14.02	13.99	13.97	
	15	13.90	13.89	13.89	13.86	13.84	
	16	13.78	13.77	13.76	13.75	13.73	
	17	13.73	13.72	13.72	13.72	13.72	
	18	13.71	13.72	13.73	13.72	13.73	
	19	13.74	13.74	13.74	13.74	13.73	
	20	13.72	13.72	13.73	13.73	13.73	
	21	13.80	13.83	13.87	13.90	13.93	
	22	14.07	14.08	14.11	14.15	14.19	
	23	14.25	14.27	14.29	14.31	14.32	
	24	14.34	14.35	14.37	14.37	14.37	
	25	14.39	14.39	14.40	14.40	14.41	
	26	14.43	14.44	14.46	14.46	14.48	
	27	14.54	14.56	14.58	14.60	14.59	
	28	14.56	14.66	14.69	14.70	14.69	
	29	14.69	14.68	14.69	14.69	14.69	
	30	14.66	14.66	14.66	14.66	14.66	
JUL	1	14.65	14.65	14.66	14.67	14.69	
	2	14.77	14.79	14.81	14.83	14.84	
	3	14.85	14.85	14.85	14.84	14.83	
	4	14.76	14.74	14.72	14.70	14.68	
	5	14.58	14.56	14.54	14.53	14.52	
	6	14.48	14.48	14.48	14.47	14.47	
	7	14.46	14.47	14.47	14.47	14.48	
	8	14.48	14.48	14.48	14.48	14.48	
	9	14.49	14.49	14.49	14.49	14.48	
	10	14.43	14.41	14.40	14.39	14.38	
	11	14.31	14.31	14.30	14.29	14.28	
	12	14.25	14.24	14.24	14.23	14.23	
	13	14.20	14.20	14.20	14.20	14.18	
	14	14.12	14.11	14.10	14.08	14.06	
	15	13.98	13.96	13.95	13.93	13.91	
	16	13.83	13.82	13.81	13.80	13.88	
	17	13.72	13.71	13.70	13.68	13.67	
	18	13.63	13.62	13.61	13.60	13.60	
	19	13.57	13.56	13.55	13.55	13.54	
	20	13.54	13.55	13.55	13.53	13.52	
	21	13.53	13.53	13.53	13.53	13.53	
	22	13.61	13.62	13.62	13.61	13.61	
	23	13.68	13.68	13.69	13.71	13.72	
	24	13.75	13.75	13.75	13.75	13.75	
	25	13.70	13.70	13.70	13.70	13.69	
	26	13.67	13.67	13.67	13.67	13.67	
	27	13.65	13.65	13.65	13.65	13.65	
	28	13.66	13.67	13.67	13.67	13.67	
	29	13.66	13.67	13.67	13.67	13.67	
	30	13.67	13.67	13.67	13.67	13.67	
	31	13.65	13.64	13.64	13.63	13.63	
AUG	1	13.63	13.63	13.64	13.65	13.67	
	2	13.74	13.75	13.77	13.79	13.80	
	3	13.86	13.87	13.89	13.90	13.92	
	4	13.90	13.89	13.89	13.90	13.89	
	5	13.87	13.86	13.86	13.86	13.85	
	6	13.81	13.81	13.80	13.80	13.79	
	7	13.77	13.76	13.76	13.74	13.74	
	8	13.71	13.71	13.70	13.69	13.68	
	9	13.67	13.67	13.66	13.66	13.67	
	10	13.73	13.73	13.73	13.72	13.72	
	11	13.69	13.68	13.68	13.68	13.68	
	12	13.70	13.70	13.71	13.71	13.71	
	13	13.72	13.72	13.73	13.73	13.74	
	14	13.76	13.76	13.78	13.78	13.79	
	15	14.02	14.08	14.15	14.20	14.24	
	16	14.34	14.36	14.39	14.40	14.41	
	17	14.45	14.48	14.49	14.51	14.53	
	18	14.58	14.59	14.61	14.62	14.64	
	19	14.62	14.62	14.62	14.62	14.61	
	20	14.57	14.56	14.56	14.55	14.54	
	21	14.52	14.51	14.51	14.50	14.51	
	22	14.51	14.51	14.50	14.49	14.48	
	23	14.41	14.39	14.37	14.35	14.32	
	24	14.25	14.25	14.25	14.25	14.26	

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WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Madardah Gauge Station : 06 (Poyla Bridge)				Height of BM/TBM : 17.89 m,PWD Date of gauge connection : 02-06-94 Zero value of gauge : 12.77 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
	25	14.28	14.29	14.29	14.29	14.29	
	26	14.27	14.27	14.26	14.26	14.25	
	27	14.23	14.23	14.24	14.23	14.23	
	28	14.20	14.19	14.19	14.18	14.17	
	29	14.13	14.12	14.11	14.10	14.09	
	30	14.06	14.06	14.05	14.05	14.04	
	31	14.02	14.01	14.01	14.00	14.00	
SEP	1	14.00	13.99	13.99	13.98	13.97	
	2	13.93	13.92	13.91	13.89	13.87	
	3	13.81	13.80	13.80	13.78	13.77	
	4	13.73	13.72	13.71	13.70	13.69	
	5	13.66	13.65	13.64	13.63	13.64	
	6	13.58	13.57	13.57	13.56	13.56	
	7	13.55	13.54	13.54	13.54	13.54	
	8	13.54	13.53	13.54	13.55	13.55	
	9	13.55	13.57	13.59	13.62	13.65	
	10	13.67	13.66	13.66	13.66	13.65	
	11	13.65	13.65	13.65	13.65	13.65	
	12	13.64	13.63	13.64	13.63	13.63	
	13	13.62	13.62	13.63	13.63	13.64	
	14	13.66	13.68	13.75	13.82	13.88	
	15	13.97	13.97	13.98	13.97	13.96	
	16	13.90	13.89	13.87	13.86	13.84	
	17	13.79	13.79	13.80	13.79	13.79	
	18	13.75	13.75	13.74	13.73	13.73	
	19	13.70	13.70	13.70	13.71	13.72	
	20	13.79	13.82	13.87	13.91	13.95	
	21	14.04	14.08	14.11	14.13	14.02	
	22	14.21	14.21	14.22	14.22	14.22	
	23	14.19	14.18	14.18	14.17	14.16	
	24	14.15	14.13	14.12	14.11	14.10	
	25	14.05	14.04	14.02	14.01	13.99	
	26	13.94	13.92	13.92	13.91	13.90	
	27	13.86	13.85	13.85	13.84	13.84	
	28	13.82	13.81	13.80	13.79	13.78	
	29	13.75	13.75	13.74	13.74	13.73	
	30	13.72	13.72	13.71	13.71	13.71	
OCT	1	13.70	13.69	13.69	13.68	13.68	
	2	13.65	13.65	13.65	13.64	13.64	
	3	13.64	13.65	13.65	13.65	13.65	
	4	13.67	13.67	13.67	13.67	13.67	
	5	13.67	13.67	13.67	13.67	13.67	
	6	13.70	13.71	13.73	13.74	13.74	
	7	13.72	13.71	13.71	13.70	13.71	
	8	13.71	13.72	13.72	13.73	13.73	
	9	13.77	13.78	13.80	13.83	13.86	
	10	14.08	14.15	14.23	14.30	14.35	
	11	14.45	14.46	14.46	14.46	14.46	
	12	14.37	14.35	14.33	14.31	14.29	
	13	14.19	14.17	14.15	14.13	14.10	
	14	14.02	14.01	14.00	13.99	13.99	
	15	13.93	13.93	13.93	13.93	13.92	
	16	13.87	13.87	13.87	13.86	13.85	
	17	13.82	13.81	13.80	13.79	13.78	
	18	13.74	13.73	13.73	13.73	13.73	
	19	13.71	13.70	13.70	13.70	13.70	
	20	13.68	13.67	13.68	13.70	13.70	
	21	13.69	13.68	13.68	13.67	13.66	
	22	13.63	13.63	13.63	13.62	13.62	
	23	13.59	13.59	13.58	13.58	13.58	
	24	13.53	13.53	13.54	13.54	13.55	
	25	13.56	13.56	13.56	13.54	13.52	
	26	13.51	13.51	13.50	13.50	13.50	
	27	13.50	13.50	13.50	13.50	13.49	
	28	13.52	13.53	13.55	13.53	13.52	
	29	13.49	13.48	13.48	13.47	13.47	
	30	13.47	13.47	13.47	13.47	13.47	
	31	13.50	13.50	13.51	13.51	13.50	

Note

Zero value of certain gauges were altered due to gauge posts being resited at the same location to accommodate WL fluctuations. These changes are given in Table on page C-2.

Where zero values have been altered, these are not given in WL tables. Only the final value is given in these tables.

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Madardah Gauge Station : 07 (Khashimara)				Height of BM/TBM : 18.06 m,PWD Date of gauge connection : 07-06-94 Zero value of gauge : 12.91 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
JUN	1	13.29	13.29	13.30	13.30	13.30	
	2	13.32	13.33	13.33	13.34	13.34	
	3	13.38	13.39	13.41	13.41	13.42	
	4	13.46	13.47	13.48	13.48	13.48	
	5	13.47	13.47	13.54	13.58	13.63	
	6	13.78	13.82	13.86	13.89	13.92	
	7	14.00	14.02	14.04	14.05	14.07	
	8	14.12	14.13	14.14	14.15	14.15	
	9	14.17	14.17	14.17	14.17	14.17	
	10	14.15	14.15	14.20	14.21	14.22	
	11	14.21	14.21	14.20	14.19	14.18	
	12	14.12	14.11	14.09	14.07	14.08	
	13	14.10	14.10	14.10	14.09	14.08	
	14	14.02	14.00	13.99	13.97	13.95	
	15	13.88	13.87	13.86	13.84	13.82	
	16	13.76	13.75	13.74	13.72	13.71	
	17	13.70	13.70	13.70	13.70	13.70	
	18	13.70	13.70	13.70	13.70	13.72	
	19	13.72	13.72	13.73	13.72	13.72	
	20	13.70	13.70	13.71	13.71	13.71	
	21	13.78	13.82	13.85	13.88	13.92	
	22	14.03	14.07	14.11	14.13	14.15	
	23	14.23	14.25	14.27	14.28	14.29	
	24	14.32	14.32	14.33	14.33	14.34	
	25	14.36	14.37	14.38	14.38	14.38	
	26	14.40	14.41	14.43	14.44	14.45	
	27	14.50	14.52	14.55	14.56	14.59	
	28	14.63	14.64	14.65	14.65	14.66	
	29	14.65	14.65	14.65	14.65	14.65	
	30	14.63	14.62	14.63	14.62	14.62	
JUL	1	14.61	14.61	14.61	14.63	14.64	
	2	14.72	14.74	14.76	14.78	14.79	
	3	14.80	14.80	14.80	14.79	14.79	
	4	14.71	14.69	14.67	14.65	14.63	
	5	14.54	14.51	14.50	14.49	14.48	
	6	14.44	14.44	14.44	14.43	14.43	
	7	14.43	14.43	14.43	14.44	14.44	
	8	14.44	14.44	14.45	14.45	14.45	
	9	14.45	14.45	14.45	14.45	14.44	
	10	14.39	14.38	14.37	14.36	14.34	
	11	14.29	14.28	14.27	14.27	14.26	
	12	14.22	14.21	14.21	14.21	14.21	
	13	14.18	14.17	14.17	14.17	14.15	
	14	14.09	14.08	14.06	14.05	14.04	
	15	13.96	13.94	13.92	13.91	13.89	
	16	13.82	13.80	13.79	13.77	13.76	
	17	13.70	13.69	13.67	13.66	13.65	
	18	13.61	13.60	13.59	13.59	13.58	
	19	13.55	13.55	13.54	13.53	13.53	
	20	13.52	13.52	13.52	13.51	13.50	
	21	13.52	13.52	13.52	13.51	13.52	
	22	13.58	13.60	13.61	13.61	13.61	
	23	13.63	13.65	13.68	13.69	13.71	
	24	13.72	13.73	13.73	13.73	13.73	
	25	13.72	13.72	13.71	13.71	13.70	
	26	13.69	13.68	13.68	13.68	13.67	
	27	13.66	13.65	13.65	13.65	13.65	
	28	13.64	13.64	13.64	13.64	13.64	
	29	13.65	13.65	13.65	13.65	13.65	
	30	13.66	13.66	13.66	13.66	13.65	
	31	13.63	13.62	13.62	13.62	13.61	
AUG	1	13.61	13.61	13.62	13.64	13.65	
	2	13.72	13.74	13.76	13.77	13.79	
	3	13.84	13.85	13.87	13.88	13.89	
	4	13.88	13.87	13.87	13.88	13.87	
	5	13.83	13.84	13.83	13.83	13.83	
	6	13.80	13.79	13.79	13.78	13.78	
	7	13.75	13.74	13.74	13.73	13.72	
	8	13.69	13.69	13.68	13.67	13.67	
	9	13.65	13.65	13.64	13.65	13.66	
	10	13.70	13.71	13.71	13.70	13.70	
	11	13.67	13.67	13.66	13.66	13.66	
	12	13.68	13.68	13.69	13.69	13.69	
	13	13.70	13.70	13.71	13.71	13.72	
	14	13.74	13.75	13.76	13.76	13.76	
	15	13.98	14.04	14.10	14.16	14.20	
	16	14.30	14.33	14.34	14.35	14.37	
	17	14.42	14.43	14.44	14.47	14.49	
	18	14.53	14.54	14.56	14.57	14.58	
	19	14.58	14.57	14.57	14.56	14.56	
	20	14.53	14.52	14.51	14.50	14.50	
	21	14.47	14.47	14.46	14.46	14.47	
	22	14.46	14.46	14.45	14.44	14.44	
	23	14.37	14.35	14.33	14.31	14.29	
	24	14.22	14.22	14.22	14.22	14.23	

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Madardah Gauge Station : 07 (Khashimara)				Height of BM/TBM : 18.06 m,PWD Date of gauge connection : 07-06-94 Zero value of gauge : 12.91 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
	25	14.25	14.25	14.26	14.26	14.26	
	26	14.24	14.23	14.23	14.22	14.22	
	27	14.20	14.20	14.20	14.20	14.20	
	28	14.17	14.17	14.16	14.15	14.14	
	29	14.10	14.09	14.08	14.07	14.07	
	30	14.04	14.03	14.03	14.02	14.02	
	31	14.00	13.99	13.99	13.99	13.95	
SEP	1	13.97	13.97	13.97	13.96	13.95	
	2	13.91	13.90	13.88	13.87	13.85	
	3	13.79	13.78	13.77	13.76	13.75	
	4	13.71	13.70	13.69	13.69	13.68	
	5	13.64	13.63	13.62	13.61	13.60	
	6	13.56	13.56	13.55	13.55	13.54	
	7	13.53	13.53	13.53	13.53	13.53	
	8	13.52	13.52	13.54	13.53	13.53	
	9	13.55	13.57	13.58	13.60	13.62	
	10	13.65	13.64	13.64	13.63	13.64	
	11	13.64	13.64	13.64	13.63	13.63	
	12	13.62	13.61	13.61	13.61	13.61	
	13	13.60	13.60	13.60	13.61	13.62	
	14	13.64	13.66	13.73	13.79	13.85	
	15	13.93	13.94	13.94	13.94	13.93	
	16	13.87	13.86	13.85	13.84	13.82	
	17	13.78	13.78	13.78	13.77	13.77	
	18	13.72	13.72	13.72	13.72	13.71	
	19	13.68	13.68	13.68	13.69	13.70	
	20	13.76	13.80	13.84	13.88	13.91	
	21	14.02	14.04	13.91	14.09	14.11	
	22	14.17	14.17	14.18	14.18	14.18	
	23	14.15	14.14	14.13	14.13	14.12	
	24	14.10	14.09	14.09	14.08	14.06	
	25	14.02	14.01	13.99	13.98	13.97	
	26	13.91	13.90	13.89	13.89	13.88	
	27	13.83	13.83	13.82	13.82	13.81	
	28	13.79	13.78	13.78	13.77	13.77	
	29	13.73	13.72	13.72	13.71	13.71	
	30	13.70	13.70	13.69	13.69	13.69	
OCT	1	13.66	13.66	13.66	13.66	13.65	
	2	13.63	13.63	13.62	13.62	13.61	
	3	13.59	13.63	13.63	13.63	13.62	
	4	13.64	13.64	13.64	13.64	13.65	
	5	13.64	13.64	13.64	13.64	13.64	
	6	13.67	13.68	13.70	13.70	13.71	
	7	13.68	13.68	13.68	13.68	13.68	
	8	13.68	13.68	13.68	13.69	13.71	
	9	13.74	13.75	13.77	13.79	13.80	
	10	14.02	14.09	14.16	14.23	14.28	
	11	14.38	14.38	14.38	14.39	14.39	
	12	14.31	14.29	14.27	14.25	14.23	
	13	14.14	14.11	14.09	14.07	14.05	
	14	13.97	13.96	13.95	13.94	13.93	
	15	13.89	13.89	13.88	13.88	13.87	
	16	13.83	13.83	13.82	13.82	13.81	
	17	13.78	13.78	13.77	13.76	13.75	
	18	13.71	13.70	13.70	13.70	13.70	
	19	13.68	13.67	13.67	13.67	13.66	
	20	13.64	13.64	13.65	13.66	13.67	
	21	13.66	13.66	13.65	13.64	13.63	
	22	13.60	13.60	13.60	13.60	13.60	
	23	13.56	13.56	13.55	13.55	13.54	
	24	13.51	13.51	13.51	13.52	13.53	
	25	13.53	13.53	13.53	13.51	13.49	
	26	13.48	13.48	13.48	13.48	13.48	
	27	13.48	13.48	13.48	13.48	13.48	
	28	13.50	13.51	13.51	13.51	13.50	
	29	13.46	13.46	13.45	13.45	13.44	
	30	13.44	13.44	13.44	13.44	13.44	
	31	13.48	13.48	13.48	13.48	13.48	

Note

Zero value of certain gauges were altered due to gauge posts being resited at the same location to accommodate WL fluctuations. These changes are given in Table on page C-2.

Where zero values have been altered, these are not given in WL tables. Only the final value is given in these tables.

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Br. of Old Brahmaputra Gauge Station : 08 (Islampur)				Height of BM/TBM : 20.49 m,PWD Date of gauge connection : 09-06-94 Zero value of gauge : 14.46 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
JUN	1	14.90	14.90	14.90	14.90	14.90	
	2	14.92	14.92	14.92	14.92	14.92	
	3	14.94	14.94	14.94	14.94	14.94	
	4	14.94	14.94	14.94	14.94	14.94	
	5	14.93	14.93	15.04	15.04	15.04	
	6	15.05	15.05	15.05	15.05	15.05	
	7	15.06	15.06	15.07	15.06	15.07	
	8	15.08	15.08	15.08	15.08	15.08	
	9	15.08	15.08	15.08	15.08	15.08	
	10	15.07	15.07	15.18	15.18	15.18	
	11	15.19	15.19	15.20	15.23	15.23	
	12	15.24	15.24	15.24	15.25	15.26	
	13	15.28	15.28	15.28	15.28	15.28	
	14	15.27	15.27	15.27	15.27	15.27	
	15	15.26	15.26	15.26	15.26	15.26	
	16	15.26	15.26	15.26	15.26	15.26	
	17	15.27	15.27	15.27	15.27	15.27	
	18	15.27	15.27	15.28	15.27	15.28	
	19	15.27	15.27	15.27	15.27	15.27	
	20	15.27	15.27	15.27	15.27	15.27	
	21	15.26	15.26	15.26	15.26	15.26	
	22	15.26	15.26	15.26	15.26	15.26	
	23	15.25	15.25	15.25	15.25	15.25	
	24	15.25	15.25	15.25	15.25	15.26	
	25	15.26	15.26	15.27	15.26	15.26	
	26	15.26	15.26	15.26	15.35	15.35	
	27	15.39	15.39	15.39	15.39	15.43	
	28	15.49	15.49	15.50	15.50	15.51	
	29	15.54	15.54	15.55	15.56	15.56	
	30	15.59	15.59	15.59	15.59	15.59	
JUL	1	15.62	15.62	15.62	15.64	15.64	
	2	15.73	15.73	15.75	15.76	15.77	
	3	15.81	15.82	15.83	15.84	15.85	
	4	15.86	15.86	15.87	15.87	15.87	
	5	15.89	15.89	15.90	15.93	15.94	
	6	15.95	15.95	15.96	15.97	15.97	
	7	15.99	15.99	16.01	16.01	16.01	
	8	16.02	16.02	16.03	16.03	16.03	
	9	16.04	16.05	16.05	16.05	16.05	
	10	16.05	16.06	16.06	16.06	16.06	
	11	16.05	16.05	16.05	16.05	16.05	
	12	16.05	16.05	16.06	16.05	16.05	
	13	16.04	16.04	16.04	16.03	16.03	
	14	16.03	16.03	16.03	16.03	16.03	
	15	16.02	16.02	16.02	16.02	16.01	
	16	16.01	16.01	16.01	16.01	16.00	
	17	16.00	16.00	16.00	16.00	15.99	
	18	15.99	15.99	15.99	15.99	15.99	
	19	15.98	15.98	15.98	15.98	15.98	
	20	15.98	15.98	15.98	15.98	15.98	
	21	15.98	15.98	15.98	15.98	15.99	
	22	16.02	16.02	16.03	16.03	16.03	
	23	16.02	16.02	16.02	16.02	16.01	
	24	16.01	16.01	16.01	16.01	16.00	
	25	16.01	16.01	16.02	16.02	16.02	
	26	16.02	16.02	16.02	16.02	16.02	
	27	16.02	16.02	16.02	16.02	16.02	
	28	16.03	16.03	16.03	16.03	16.03	
	29	16.03	16.03	16.03	16.03	16.03	
	30	16.03	16.03	16.03	16.03	16.03	
	31	16.02	16.02	16.02	16.02	16.01	
AUG	1	16.01	16.01	16.01	16.01	16.01	
	2	16.01	16.01	16.01	16.01	16.01	
	3	16.01	16.01	16.01	16.01	16.01	
	4	16.00	16.00	16.00	16.00	16.00	
	5	16.00	16.00	16.00	16.00	16.00	
	6	16.00	16.00	16.00	16.00	16.00	
	7	16.00	16.00	16.00	16.00	16.00	
	8	15.99	15.99	15.99	15.99	15.99	
	9	16.04	16.04	16.04	16.04	16.04	
	10	16.04	16.04	16.04	16.04	16.04	
	11	16.04	16.04	16.04	16.04	16.04	
	12	16.04	16.04	16.04	16.04	16.04	
	13	16.04	16.04	16.04	16.04	16.04	
	14	16.04	16.04	16.04	16.04	16.04	
	15	16.14	16.14	16.14	16.14	16.14	
	16	16.15	16.15	16.15	16.15	16.15	
	17	16.16	16.16	16.16	16.16	16.16	
	18	16.16	16.16	16.16	16.15	16.15	
	19	16.15	16.15	16.15	16.15	16.15	
	20	16.15	16.15	16.15	16.15	16.15	
	21	16.15	16.15	16.15	16.15	16.15	
	22	16.15	16.15	16.15	16.16	16.16	
	23	16.17	16.17	16.17	16.17	16.17	
	24	16.20	16.21	16.21	16.21	16.21	

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WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Br. of Old Brahmaputra Gauge Station : 08 (Islampur)				Height of BM/TBM : 20.49 m,PWD Date of gauge connection : 09-06-94 Zero value of gauge : 14.46 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
	25	16.21	16.21	16.21	16.21	16.21	
	26	16.20	16.20	16.20	16.20	16.20	
	27	16.21	16.21	16.21	16.21	16.21	
	28	16.21	16.21	16.21	16.21	16.21	
	29	16.21	16.21	16.20	16.20	16.20	
	30	16.20	16.20	16.20	16.20	16.20	
	31	16.20	16.20	16.20	16.20	16.20	
SEP	1	16.20	16.20	16.20	16.20	16.20	
	2	16.20	16.20	16.20	16.20	16.20	
	3	16.20	16.20	16.20	16.20	16.20	
	4	16.20	16.20	16.20	16.20	16.20	
	5	16.20	16.20	16.20	16.20	16.20	
	6	16.19	16.19	16.19	16.19	16.19	
	7	16.19	16.19	16.19	16.18	16.18	
	8	16.18	16.18	16.18	16.18	16.18	
	9	16.23	16.23	16.23	16.23	16.23	
	10	16.22	16.22	16.22	16.21	16.21	
	11	16.21	16.21	16.21	16.21	16.21	
	12	16.21	16.21	16.21	16.20	16.20	
	13	16.20	16.20	16.20	16.20	16.20	
	14	16.21	16.21	16.21	16.21	16.21	
	15	16.21	16.21	16.21	16.21	16.21	
	16	16.21	16.21	16.21	16.21	16.21	
	17	16.21	16.21	16.21	16.21	16.21	
	18	16.21	16.21	16.21	16.21	16.21	
	19	16.21	16.21	16.29	16.30	16.30	
	20	16.38	16.39	16.40	16.41	16.42	
	21	16.44	16.47	16.50	16.50	16.50	
	22	16.55	16.55	16.56	16.56	16.56	
	23	16.55	16.55	16.55	16.55	16.55	
	24	16.54	16.54	16.54	16.54	16.54	
	25	16.50	16.50	16.50	16.50	16.50	
	26	16.46	16.46	16.45	16.45	16.45	
	27	16.44	16.43	16.43	16.43	16.43	
	28	16.41	16.41	16.41	16.40	16.40	
	29	16.37	16.37	16.36	16.36	16.36	
	30	16.35	16.35	16.34	16.34	16.34	
OCT	1	16.33	16.33	16.33	16.33	16.33	
	2	16.31	16.31	16.31	16.31	16.31	
	3	16.35	16.35	16.41	16.43	16.43	
	4	16.48	16.46	16.45	16.43	16.41	
	5	16.37	16.37	16.36	16.36	16.36	
	6	16.36	16.36	16.35	16.35	16.35	
	7	16.34	16.34	16.34	16.34	16.34	
	8	16.34	16.34	16.34	16.35	16.37	
	9	16.44	16.44	16.46	16.47	16.51	
	10	16.70	16.70	16.72	16.73	16.73	
	11	16.74	16.74	16.74	16.74	16.74	
	12	16.74	16.74	16.74	16.74	16.74	
	13	16.73	16.73	16.73	16.72	16.72	
	14	16.72	16.72	16.72	16.71	16.71	
	15	16.70	16.70	16.70	16.70	16.69	
	16	16.68	16.67	16.65	16.64	16.63	
	17	16.53	16.52	16.51	16.50	16.49	
	18	16.45	16.44	16.43	16.43	16.43	
	19	16.40	16.39	16.39	16.39	16.38	
	20	16.36	16.35	16.35	16.34	16.34	
	21	16.33	16.33	16.33	16.33	16.33	
	22	16.33	16.33	16.33	16.33	16.33	
	23	16.32	16.32	16.32	16.32	16.32	
	24	16.31	16.31	16.31	16.31	16.30	
	25	16.29	16.29	16.29	16.29	16.29	
	26	16.29	16.29	16.29	16.29	16.29	
	27	16.29	16.29	16.29	16.29	16.29	
	28	16.29	16.29	16.29	16.29	16.29	
	29	16.29	16.29	16.29	16.29	16.29	
	30	16.28	16.28	16.28	16.28	16.28	
	31	16.27	16.27	16.26	16.26	16.26	

Note

Zero value of certain gauges were altered due to gauge posts being resited at the same location to accommodate WL fluctuations. These changes are given in Table on page C-2.

Where zero values have been altered, these are not given in WL tables. Only the final value is given in these tables.

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Deli Gauge Station : 09 (Delirpar)				Height of BM/TBM : 20.31 m,PWD Date of gauge connection : 09-06-94 Zero value of gauge : 14.13 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
JUN	1	14.63	14.63	14.64	14.63	14.64	
	2	14.66	14.67	14.67	14.67	14.67	
	3	14.71	14.71	14.72	14.72	14.72	
	4	14.74	14.84	15.03	15.20	15.30	
	5	15.74	15.82	15.94	15.95	15.97	
	6	16.11	16.14	16.18	16.19	16.21	
	7	16.26	16.27	16.28	16.27	16.27	
	8	16.28	16.28	16.28	16.27	16.27	
	9	16.24	16.23	16.23	16.22	16.21	
	10	16.19	16.19	16.19	16.19	16.19	
	11	16.14	16.13	16.12	16.11	16.10	
	12	16.04	16.03	16.03	16.04	16.07	
	13	16.07	16.08	16.07	16.04	16.03	
	14	15.98	15.97	15.97	15.95	15.94	
	15	15.93	15.92	15.92	15.91	15.91	
	16	15.89	15.88	15.89	15.88	15.88	
	17	15.89	15.88	15.89	15.88	15.89	
	18	15.90	15.90	15.91	15.91	15.91	
	19	15.93	15.94	15.96	15.97	15.96	
	20	16.04	16.06	16.09	16.13	16.15	
	21	16.23	16.26	16.29	16.31	16.35	
	22	16.40	16.41	16.42	16.42	16.42	
	23	16.43	16.43	16.44	16.44	16.44	
	24	16.44	16.44	16.45	16.45	16.46	
	25	16.47	16.48	16.49	16.49	16.49	
	26	16.57	16.58	16.60	16.60	16.62	
	27	16.65	16.64	16.64	16.63	16.63	
	28	16.62	16.60	16.60	16.59	16.58	
	29	16.56	16.56	16.56	16.56	16.56	
	30	16.55	16.55	16.56	16.55	16.56	
JUL	1	16.65	16.66	16.73	16.76	16.76	
	2	16.74	16.73	16.71	16.69	16.68	
	3	16.63	16.61	16.58	16.56	16.55	
	4	16.48	16.46	16.46	16.44	16.44	
	5	16.43	16.42	16.45	16.48	16.48	
	6	16.48	16.48	16.48	16.48	16.49	
	7	16.50	16.51	16.51	16.51	16.51	
	8	16.53	16.53	16.52	16.51	16.51	
	9	16.46	16.44	16.43	16.41	16.39	
	10	16.36	16.35	16.34	16.33	16.33	
	11	16.32	16.31	16.31	16.30	16.30	
	12	16.31	16.30	16.29	16.28	16.26	
	13	16.22	16.21	16.19	16.17	16.15	
	14	16.12	16.09	16.08	16.06	16.06	
	15	16.01	16.00	15.98	15.97	15.96	
	16	15.93	15.92	15.91	15.91	15.90	
	17	15.87	15.86	15.86	15.85	15.84	
	18	15.83	15.82	15.82	15.81	15.81	
	19	15.81	15.81	15.81	15.81	15.81	
	20	15.81	15.81	15.81	15.81	15.81	
	21	15.81	15.81	15.81	15.81	15.81	
	22	15.84	15.84	15.86	15.86	15.86	
	23	15.87	15.88	15.88	15.92	15.92	
	24	15.90	15.89	15.89	15.89	15.89	
	25	15.88	15.88	15.88	15.88	15.88	
	26	15.86	15.86	15.86	15.86	15.86	
	27	15.86	15.86	15.86	15.85	15.85	
	28	15.88	15.88	15.88	15.87	15.87	
	29	15.86	15.86	15.86	15.85	15.85	
	30	15.85	15.85	15.85	15.85	15.84	
	31	15.84	15.86	15.87	15.89	15.90	
AUG	1	15.99	16.01	16.03	16.04	16.04	
	2	16.10	16.11	16.11	16.11	16.11	
	3	16.11	16.10	16.09	16.07	16.06	
	4	16.03	16.02	16.02	16.01	16.01	
	5	15.99	15.99	15.99	15.98	15.99	
	6	15.97	15.97	15.96	15.96	15.96	
	7	15.94	15.93	15.93	15.92	15.92	
	8	15.91	15.91	15.91	15.91	15.90	
	9	15.98	15.98	15.96	15.94	15.93	
	10	15.92	15.91	15.91	15.91	15.90	
	11	15.90	15.90	15.90	15.91	15.91	
	12	15.93	15.93	15.93	15.94	15.95	
	13	15.96	15.97	15.97	15.97	15.97	
	14	16.01	16.02	16.03	16.04	16.05	
	15	16.32	16.34	16.36	16.36	16.38	
	16	16.46	16.47	16.49	16.51	16.52	
	17	16.60	16.61	16.61	16.61	16.61	
	18	16.61	16.61	16.61	16.59	16.57	
	19	16.55	16.54	16.53	16.52	16.51	
	20	16.52	16.52	16.51	16.51	16.51	
	21	16.48	16.47	16.46	16.44	16.43	
	22	16.34	16.31	16.29	16.26	16.25	
	23	16.19	16.17	16.17	16.17	16.17	
	24	16.21	16.24	16.25	16.25	16.25	

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Deli Gauge Station : 09 (Delirpar)				Height of BM/TBM : 20.31 m,PWD Date of gauge connection : 09-06-94 Zero value of gauge : 14.13 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
	25	16.25	16.25	16.25	16.24	16.24	
	26	16.24	16.25	16.25	16.25	16.25	
	27	16.25	16.24	16.24	16.24	16.23	
	28	16.19	16.18	16.17	16.16	16.15	
	29	16.13	16.13	16.12	16.11	16.11	
	30	16.11	16.11	16.11	16.11	16.11	
	31	16.10	16.09	16.09	16.09	16.08	
SEP	1	16.06	16.05	16.04	16.03	16.01	
	2	15.97	15.96	15.95	15.94	15.93	
	3	15.92	15.91	15.90	15.89	15.89	
	4	15.88	15.87	15.86	15.85	15.85	
	5	15.83	15.83	15.83	15.82	15.81	
	6	15.83	15.82	15.82	15.82	15.81	
	7	15.81	15.81	15.81	15.80	15.80	
	8	15.80	15.80	15.79	15.79	15.79	
	9	15.84	15.85	15.84	15.83	15.83	
	10	15.83	15.82	15.82	15.82	15.82	
	11	15.81	15.81	15.82	15.82	15.82	
	12	15.82	15.82	15.82	15.82	15.82	
	13	15.82	15.82	15.82	15.82	15.82	
	14	16.00	16.00	16.00	15.97	15.95	
	15	15.93	15.92	15.92	15.91	15.91	
	16	15.91	15.90	15.89	15.89	15.89	
	17	15.88	15.88	15.88	15.88	15.87	
	18	15.86	15.86	15.86	15.85	15.85	
	19	15.85	15.84	15.84	15.86	15.86	
	20	15.94	15.94	15.94	15.93	15.93	
	21	15.98	15.99	15.99	15.99	15.99	
	22	16.00	16.00	16.00	15.99	15.99	
	23	15.97	15.97	15.96	15.95	15.95	
	24	15.98	15.93	15.93	15.93	15.93	
	25	15.93	15.93	15.93	15.92	15.91	
	26	15.91	15.90	15.90	15.90	15.90	
	27	15.91	15.89	15.89	15.88	15.87	
	28	15.89	15.89	15.88	15.88	15.88	
	29	15.88	15.88	15.88	15.88	15.88	
	30	15.86	15.86	15.87	15.87	15.88	
OCT	1	15.86	15.86	15.87	15.87	15.87	
	2	15.86	15.86	15.86	15.86	15.86	
	3	15.85	15.88	15.88	15.87	15.87	
	4	15.88	15.88	15.88	15.87	15.87	
	5	15.88	15.88	15.87	15.87	15.87	
	6	15.89	15.89	15.89	15.89	15.89	
	7	15.89	15.89	15.89	15.89	15.89	
	8	15.88	15.89	15.89	15.91	15.99	
	9	16.00	16.00	16.01	16.03	16.07	
	10	16.46	16.48	16.48	16.46	16.44	
	11	16.35	16.33	16.30	16.27	16.25	
	12	16.18	16.17	16.15	16.14	16.12	
	13	16.08	16.08	16.08	16.07	16.06	
	14	16.04	16.04	16.03	16.02	16.02	
	15	16.01	16.01	16.01	16.00	15.99	
	16	15.98	15.98	15.98	15.98	15.97	
	17	15.96	15.96	15.96	15.96	15.96	
	18	15.96	15.96	15.96	15.96	15.95	
	19	15.94	15.94	15.94	15.94	15.94	
	20	15.93	15.93	15.93	15.93	15.92	
	21	15.92	15.92	15.92	15.91	15.91	
	22	15.91	15.91	15.91	15.91	15.90	
	23	15.90	15.90	15.90	15.90	15.89	
	24	15.89	15.89	15.89	15.89	15.88	
	25	15.89	15.89	15.89	15.88	15.87	
	26	15.87	15.87	15.87	15.86	15.86	
	27	15.86	15.85	15.85	15.84	15.84	
	28	15.84	15.83	15.83	15.83	15.83	
	29	15.83	15.83	15.83	15.83	15.83	
	30	15.82	15.82	15.82	15.82	15.82	
	31	15.82	15.82	15.82	15.82	15.82	

Note

Zero value of certain gauges were altered due to gauge posts being resited at the same location to accommodate WL fluctuations. These changes are given in Table on page C-2.

Where zero values have been altered, these are not given in WL tables. Only the final value is given in these tables.

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Bhabki Khal Gauge Station : 10 (Madhya char)				Height of BM/TBM : 17.85 m,PWD Date of gauge connection : 01-06-94 Zero value of gauge : 13.76 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
JUN	1	13.90	13.89	13.89	13.89	13.88	
	2	13.89	13.89	13.89	13.88	13.88	
	3	13.93	13.92	13.92	13.91	13.91	
	4	13.88	13.88	13.88	13.87	13.87	
	5	14.01	14.36	14.57	14.57	14.58	
	6	14.68	14.69	14.70	14.70	14.71	
	7	14.75	14.76	14.80	14.81	14.82	
	8	14.83	14.84	14.84	14.84	14.84	
	9	14.83	14.82	14.82	14.81	14.81	
	10	14.77	14.77	14.78	14.77	14.76	
	11	14.66	14.65	14.62	14.61	14.60	
	12	14.56	14.55	14.54	14.53	14.56	
	13	14.51	14.50	14.49	14.49	14.49	
	14	14.46	14.44	14.44	14.43	14.43	
	15	14.41	14.40	14.39	14.39	14.39	
	16	14.36	14.35	14.35	14.34	14.34	
	17	14.31	14.30	14.30	14.29	14.29	
	18	14.26	14.26	14.26	14.25	14.25	
	19	14.22	14.21	14.21	14.21	14.20	
	20	14.18	14.18	14.18	14.17	14.17	
	21	14.16	14.15	14.14	14.14	14.13	
	22	14.58	14.59	14.60	14.62	14.64	
	23	14.71	14.73	14.75	14.76	14.77	
	24	14.79	14.81	14.83	14.83	14.84	
	25	14.85	14.85	14.86	14.84	14.86	
	26	14.89	14.89	14.90	14.91	14.91	
	27	14.98	14.98	14.99	14.99	14.99	
	28	14.99	14.99	15.00	14.99	14.99	
	29	14.96	14.96	14.96	14.94	14.95	
	30	14.96	14.96	14.96	14.94	14.93	
JUL	1	14.94	14.95	14.96	14.96	14.97	
	2	15.02	15.02	15.02	15.02	15.02	
	3	15.01	15.00	14.99	14.97	14.96	
	4	14.92	14.91	14.88	14.87	14.86	
	5	14.85	14.84	14.84	14.84	14.83	
	6	14.82	14.82	14.82	14.81	14.81	
	7	14.82	14.82	14.82	14.82	14.83	
	8	14.83	14.83	14.83	14.83	14.83	
	9	14.81	14.80	14.79	14.78	14.77	
	10	14.74	14.74	14.73	14.71	14.70	
	11	14.68	14.67	14.65	14.64	14.63	
	12	14.61	14.60	14.59	14.59	14.58	
	13	14.57	14.57	14.55	14.54	14.54	
	14	14.52	14.51	14.50	14.50	14.48	
	15	14.49	14.48	14.47	14.47	14.47	
	16	14.46	14.46	14.45	14.45	14.44	
	17	14.44	14.43	14.42	14.41	14.40	
	18	14.36	14.35	14.35	14.34	14.34	
	19	14.34	14.33	14.33	14.33	14.33	
	20	14.30	14.29	14.28	14.27	14.26	
	21	14.27	14.27	14.27	14.27	14.27	
	22	14.51	14.51	14.51	14.51	14.51	
	23	14.50	14.50	14.50	14.50	14.52	
	24	14.50	14.49	14.49	14.48	14.48	
	25	14.46	14.46	14.45	14.45	14.45	
	26	14.42	14.42	14.42	14.42	14.42	
	27	14.47	14.50	14.50	14.50	14.50	
	28	14.55	14.56	14.56	14.56	14.56	
	29	14.57	14.57	14.57	14.56	14.56	
	30	14.55	14.55	14.55	14.54	14.54	
	31	14.52	14.52	14.52	14.51	14.51	
AUG	1	14.50	14.50	14.50	14.50	14.50	
	2	14.48	14.48	14.48	14.48	14.48	
	3	14.47	14.47	14.47	14.47	14.47	
	4	14.48	14.47	14.47	14.47	14.48	
	5	14.55	14.55	14.55	14.54	14.54	
	6	14.52	14.52	14.52	14.52	14.51	
	7	14.50	14.50	14.50	14.50	14.50	
	8	14.49	14.49	14.49	14.49	14.50	
	9	14.49	14.49	14.48	14.48	14.48	
	10	14.47	14.47	14.47	14.47	14.47	
	11	14.46	14.46	14.46	14.46	14.46	
	12	14.52	14.52	14.52	14.52	14.52	
	13	14.51	14.51	14.51	14.51	14.51	
	14	14.50	14.50	14.50	14.50	14.55	
	15	14.65	14.66	14.66	14.65	14.64	
	16	14.60	14.60	14.60	14.60	14.60	
	17	14.65	14.66	14.66	14.66	14.67	
	18	14.77	14.78	14.78	14.78	14.78	
	19	14.79	14.79	14.79	14.79	14.79	
	20	14.77	14.77	14.76	14.76	14.76	
	21	14.75	14.75	14.76	14.76	14.76	
	22	14.76	14.76	14.76	14.76	14.76	
	23	14.66	14.65	14.65	14.64	14.65	
	24	14.64	14.64	14.62	14.62	14.62	

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WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Bhabki Khal Gauge Station : 10 (Madhya char)			Height of BM/TBM : 17.85 m,PWD Date of gauge connection : 01-06-94 Zero value of gauge : 13.76 m,PWD			
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
	25	14.61	14.60	14.60	14.60	14.60	
	26	14.58	14.57	14.57	14.56	14.56	
	27	14.56	14.56	14.56	14.55	14.55	
	28	14.54	14.54	14.54	14.54	14.54	
	29	14.53	14.53	14.53	14.53	14.53	
	30	14.61	14.61	14.61	14.60	14.60	
	31	14.57	14.57	14.57	14.57	14.57	
SEP	1	14.59	14.59	14.59	14.58	14.58	
	2	14.56	14.56	14.55	14.55	14.55	
	3	14.55	14.54	14.54	14.54	14.54	
	4	14.56	14.56	14.56	14.56	14.56	
	5	14.56	14.56	14.56	14.56	14.56	
	6	14.56	14.56	14.56	14.56	14.56	
	7	14.56	14.55	14.55	14.55	14.55	
	8	14.55	14.55	14.55	14.55	14.55	
	9	14.52	14.52	14.52	14.51	14.51	
	10	14.59	14.59	14.59	14.59	14.58	
	11	14.57	14.57	14.56	14.56	14.56	
	12	14.56	14.56	14.57	14.57	14.57	
	13	14.57	14.56	14.56	14.56	14.56	
	14	14.56	14.56	14.55	14.55	14.55	
	15	14.56	14.56	14.56	14.56	14.56	
	16	14.56	14.56	14.56	14.56	14.56	
	17	14.57	14.57	14.56	14.56	14.56	
	18	14.58	14.58	14.58	14.58	14.59	
	19	14.62	14.62	14.62	14.64	14.64	
	20	14.64	14.64	14.64	14.66	14.66	
	21	14.63	14.63	14.64	14.64	14.65	
	22	14.61	14.61	14.61	14.61	14.61	
	23	14.61	14.61	14.61	14.61	14.61	
	24	14.60	14.60	14.60	14.60	14.60	
	25	14.60	14.60	14.60	14.60	14.60	
	26	14.61	14.61	14.61	14.61	14.61	
	27	14.61	14.61	14.60	14.60	14.60	
	28	14.61	14.61	14.61	14.61	14.61	
	29	14.61	14.61	14.61	14.61	14.61	
	30	14.61	14.60	14.60	14.60	14.60	
OCT	1	14.60	14.60	14.59	14.59	14.59	
	2	14.58	14.58	14.58	14.58	14.58	
	3	14.57	14.61	14.62	14.64	14.65	
	4	14.70	14.70	14.70	14.70	14.70	
	5	14.70	14.70	14.70	14.70	14.70	
	6	14.71	14.71	14.70	14.70	14.70	
	7	14.70	14.70	14.70	14.70	14.70	
	8	14.70	14.70	14.70	14.70	14.70	
	9	14.70	14.70	14.70	14.70	14.70	
	10	14.69	14.69	14.69	14.69	14.69	
	11	14.68	14.68	14.67	14.67	14.67	
	12	14.66	14.66	14.65	14.66	14.66	
	13	14.66	14.66	14.66	14.66	14.66	
	14	14.66	14.66	14.66	14.66	14.66	
	15	14.66	14.66	14.66	14.66	14.66	
	16	14.64	14.64	14.64	14.64	14.64	
	17	14.64	14.64	14.63	14.63	14.63	
	18	14.62	14.62	14.62	14.62	14.62	
	19	14.62	14.62	14.62	14.62	14.62	
	20	14.62	14.62	14.62	14.62	14.62	
	21	14.62	14.61	14.61	14.61	14.61	
	22	14.61	14.60	14.60	14.60	14.60	
	23	14.55	14.55	14.54	14.54	14.54	
	24	14.54	14.54	14.54	14.53	14.53	
	25	14.51	14.51	14.51	14.51	14.50	
	26	14.50	14.50	14.50	14.49	14.49	
	27	14.47	14.47	14.47	14.47	14.47	
	28	14.46	14.46	14.46	14.46	14.46	
	29	14.46	14.46	14.46	14.46	14.45	
	30	14.45	14.44	14.44	14.44	14.44	
	31	14.44	14.44	14.44	14.44	14.44	

Note

Zero value of certain gauges were altered due to gauge posts being resited at the same location to accommodate WL fluctuations. These changes are given in Table on page C-2.

Where zero values have been altered, these are not given in WL tables. Only the final value is given in these tables.

WATER LEVEL DATA FOR THE YEAR OF 1994

Project : Jamalpur Project
River : Jhenai
Gauge Station : 11 (Hazipur)

Height of BM/TBM : 16.58 m,PWD
Date of gauge connection : 06-08-94
Zero value of gauge : 11.69 m,PWD

Month	Time / Date	0600 hrs. WL m,PWD	0900 hrs. WL m,PWD	1200 hrs. WL m,PWD	1500 hrs. WL m,PWD	1800 hrs. WL m,PWD	Remarks
JUN	1	11.92	11.92	11.94	11.94	11.95	
	2	12.37	12.47	12.64	12.67	12.77	
	3	13.12	13.18	13.27	13.34	13.38	
	4	13.58	13.62	13.66	13.70	13.73	
	5	13.86	13.88	13.94	14.02	14.05	
	6	14.17	14.19	14.21	14.23	14.24	
	7	14.30	14.31	14.33	14.34	14.35	
	8	14.38	14.38	14.38	14.38	14.37	
	9	14.37	14.36	14.36	14.35	14.34	
	10	14.31	14.30	14.31	14.29	14.29	
	11	14.24	14.22	14.21	14.19	14.17	
	12	14.09	14.06	14.04	14.01	13.99	
	13	13.94	13.93	13.92	13.90	13.88	
	14	13.83	13.82	13.81	13.80	13.78	
	15	13.74	13.73	13.72	13.71	13.70	
	16	13.67	13.66	13.66	13.65	13.64	
	17	13.64	13.64	13.63	13.62	13.62	
	18	13.63	13.63	13.64	13.65	13.66	
	19	13.69	13.69	13.71	13.72	13.73	
	20	13.83	13.85	13.88	13.91	13.95	
	21	14.06	14.08	14.11	14.13	14.16	
	22	14.25	14.27	14.29	14.30	14.31	
	23	14.35	14.35	14.37	14.37	14.38	
	24	14.39	14.40	14.41	14.41	14.42	
	25	14.43	14.43	14.43	14.43	14.44	
	26	14.47	14.48	14.50	14.51	14.52	
	27	14.56	14.57	14.58	14.58	14.59	
	28	14.59	14.59	14.59	14.55	14.57	
	29	14.57	14.57	14.56	14.56	14.56	
	30	14.56	14.56	14.56	14.55	14.54	
JUL	1	14.56	14.57	14.58	14.59	14.60	
	2	14.65	14.65	14.65	14.65	14.65	
	3	14.63	14.62	14.60	14.60	14.59	
	4	14.53	14.52	14.50	14.50	14.48	
	5	14.45	14.44	14.42	14.42	14.42	
	6	14.41	14.41	14.41	14.42	14.42	
	7	14.43	14.43	14.43	14.43	14.43	
	8	14.43	14.43	14.43	14.43	14.43	
	9	14.42	14.41	14.40	14.40	14.39	
	10	14.35	14.34	14.32	14.32	14.31	
	11	14.27	14.26	14.26	14.25	14.25	
	12	14.24	14.23	14.22	14.21	14.20	
	13	14.19	14.18	14.18	14.17	14.16	
	14	14.08	14.07	14.07	14.06	14.06	
	15	14.00	13.98	13.96	13.94	13.93	
	16	13.85	13.83	13.81	13.79	13.77	
	17	13.71	13.70	13.68	13.66	13.64	
	18	13.56	13.54	13.51	13.49	13.47	
	19	13.39	13.37	13.35	13.33	13.32	
	20	13.25	13.23	13.20	13.19	13.17	
	21	13.15	13.15	13.14	13.13	13.12	
	22	13.19	13.20	13.21	13.21	13.21	
	23	13.21	13.21	13.20	13.20	13.20	
	24	13.20	13.20	13.21	13.22	13.22	
	25	13.25	13.25	13.26	13.27	13.28	
	26	13.29	13.29	13.29	13.29	13.30	
	27	13.32	13.36	13.36	13.36	13.37	
	28	13.44	13.45	13.46	13.47	13.47	
	29	13.49	13.49	13.49	13.49	13.49	
	30	13.52	13.52	13.52	13.52	13.52	
	31	13.55	13.55	13.57	13.59	13.62	
AUG	1	13.72	13.74	13.77	13.79	13.81	
	2	13.88	13.90	13.92	13.93	13.94	
	3	13.95	13.95	13.95	13.94	13.94	
	4	13.91	13.91	13.90	13.89	13.89	
	5	13.89	13.89	13.88	13.88	13.87	
	6	13.84	13.84	13.83	13.82	13.80	
	7	13.78	13.77	13.76	13.75	13.74	
	8	13.73	13.73	13.72	13.72	13.71	
	9	13.68	13.68	13.67	13.67	13.66	
	10	13.64	13.63	13.62	13.61	13.60	
	11	13.59	13.59	13.59	13.59	13.59	
	12	13.64	13.65	13.66	13.67	13.67	
	13	13.69	13.70	13.70	13.71	13.71	
	14	13.76	13.77	13.78	13.80	13.81	
	15	13.99	14.01	14.03	14.05	14.01	
	16	14.15	14.17	14.19	14.22	14.24	
	17	14.33	14.35	14.36	14.38	14.39	
	18	14.43	14.43	14.43	14.43	14.44	
	19	14.44	14.43	14.43	14.42	14.42	
	20	14.40	14.40	14.40	14.40	14.40	
	21	14.39	14.39	14.39	14.38	14.38	
	22	14.35	14.32	14.31	14.30	14.29	
	23	14.21	14.19	14.18	14.17	14.16	
	24	14.13	14.13	14.12	14.12	14.12	

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WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Jhenai Gauge Station : 11 (Hazipur)				Height of BM/TBM : 16.58 m,PWD Date of gauge connection : 06-08-94 Zero value of gauge : 11.69 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
	25	14.12	14.12	14.12	14.11	14.11	
	26	14.10	14.10	14.10	14.10	14.10	
	27	14.11	14.11	14.11	14.11	14.11	
	28	14.10	14.10	14.09	14.08	14.07	
	29	14.06	14.05	14.03	14.02	14.02	
	30	14.02	14.02	14.02	14.01	14.01	
	31	14.00	14.00	13.99	13.99	13.98	
SEP	1	13.99	13.98	13.97	13.96	13.95	
	2	13.89	13.88	13.87	13.86	13.85	
	3	13.80	13.79	13.78	13.77	13.76	
	4	13.70	13.69	13.68	13.66	13.65	
	5	13.59	13.58	13.56	13.55	13.54	
	6	13.48	13.46	13.45	13.43	13.42	
	7	13.37	13.36	13.35	13.34	13.33	
	8	13.30	13.29	13.27	13.26	13.25	
	9	13.20	13.24	13.27	13.28	13.28	
	10	13.26	13.26	13.25	13.24	13.24	
	11	13.22	13.23	13.24	13.24	13.24	
	12	13.29	13.29	13.29	13.30	13.30	
	13	13.31	13.31	13.31	13.31	13.32	
	14	13.34	13.35	13.36	13.37	13.37	
	15	13.39	13.39	13.39	13.39	13.39	
	16	13.40	13.40	13.40	13.40	13.40	
	17	13.43	13.43	13.43	13.43	13.42	
	18	13.41	13.41	13.40	13.40	13.40	
	19	13.41	13.41	13.42	13.42	13.42	
	20	13.45	13.48	13.50	13.51	13.52	
	21	13.57	13.58	13.60	13.61	13.62	
	22	13.67	13.68	13.69	13.70	13.70	
	23	13.70	13.70	13.70	13.70	13.70	
	24	13.70	13.70	13.70	13.69	13.69	
	25	13.65	13.65	13.64	13.64	13.64	
	26	13.62	13.62	13.62	13.61	13.61	
	27	13.60	13.60	13.59	13.59	13.59	
	28	13.57	13.57	13.56	13.56	13.55	
	29	13.52	13.51	13.50	13.49	13.48	
	30	13.42	13.40	13.38	13.37	13.35	
OCT	1	13.29	13.28	13.27	13.26	13.24	
	2	13.18	13.17	13.15	13.14	13.13	
	3	13.10	13.10	13.13	13.14	13.15	
	4	13.16	13.15	13.14	13.13	13.12	
	5	13.05	13.03	13.02	13.00	13.00	
	6	13.00	12.99	12.99	12.99	12.99	
	7	12.99	12.99	12.99	12.99	12.99	
	8	12.99	12.99	12.99	12.99	12.99	
	9	13.00	13.00	13.00	13.03	13.05	
	10	13.05	13.06	13.07	13.08	13.09	
	11	13.31	13.31	13.32	13.32	13.32	
	12	13.32	13.32	13.31	13.31	13.30	
	13	13.29	13.29	13.28	13.28	13.28	
	14	13.24	13.23	13.22	13.21	13.20	
	15	13.17	13.17	13.16	13.16	13.15	
	16	13.15	13.15	13.15	13.15	13.15	
	17	13.15	13.16	13.17	13.17	13.18	
	18	13.19	13.19	13.19	13.19	13.19	
	19	13.20	13.19	13.19	13.18	13.18	
	20	13.15	13.14	13.13	13.12	13.11	
	21	13.04	13.03	13.01	13.00	12.98	
	22	12.93	12.92	12.91	12.90	12.88	
	23	12.83	12.82	12.80	12.79	12.87	
	24	12.74	12.73	12.72	12.70	12.69	
	25	12.62	12.61	12.60	12.59	12.58	
	26	12.50	12.48	12.46	12.44	12.43	
	27	12.37	12.36	12.35	12.34	12.33	
	28	12.29	12.28	12.27	12.26	12.25	
	29	12.22	12.22	12.21	12.20	12.19	
	30	12.17	12.17	12.16	12.16	12.16	
	31	12.14	12.14	12.14	12.13	12.13	

Note

Zero value of certain gauges were altered due to gauge posts being resited at the same location to accommodate WL fluctuations. These changes are given in Table on page C-2.

Where zero values have been altered, these are not given in WL tables. Only the final value is given in these tables.

WATER LEVEL DATA FOR THE YEAR OF 1994

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Month	Project : Jamalpur Project River : Jhenai/Chatal Gauge Station : 12 (Rampur)				Height of BM/TBM : 15.576 m,PWD Date of gauge connection : 07-08-94 Zero value of gauge : 12.04 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
JUN	1	11.25	11.25	11.26	11.27	11.28	
	2	11.45	11.53	11.67	11.82	11.91	
	3	12.29	12.41	12.50	12.58	12.61	
	4	12.82	12.91	13.00	13.06	13.12	
	5	13.28	13.33	13.41	13.46	13.50	
	6	13.64	13.68	13.69	13.73	13.75	
	7	13.81	13.82	13.84	13.86	13.87	
	8	13.89	13.89	13.89	13.89	13.89	
	9	13.87	13.86	13.85	13.85	13.83	
	10	13.79	13.78	13.77	13.77	13.75	
	11	13.70	13.69	13.67	13.66	13.63	
	12	13.53	13.50	13.50	13.49	13.47	
	13	13.40	13.39	13.38	13.37	13.35	
	14	13.30	13.29	13.28	13.27	13.25	
	15	13.20	13.19	13.18	13.17	13.16	
	16	13.13	13.12	13.11	13.10	13.10	
	17	13.10	13.10	13.10	13.10	13.10	
	18	13.10	13.10	13.10	13.11	13.12	
	19	13.16	13.17	13.18	13.20	13.21	
	20	13.31	13.33	13.37	13.41	13.44	
	21	13.58	13.61	13.64	13.68	13.71	
	22	13.81	13.82	13.84	13.85	13.86	
	23	13.89	13.90	13.91	13.92	13.93	
	24	13.94	13.94	13.94	13.95	13.95	
	25	13.96	13.97	13.97	13.98	13.98	
	26	14.03	14.05	14.06	14.08	14.08	
	27	14.14	14.15	14.15	14.16	14.16	
	28	14.16	14.16	14.16	14.17	14.16	
	29	14.14	14.13	14.13	14.13	14.13	
	30	14.13	14.12	14.11	14.11	14.11	
JUL	1	14.14	14.15	14.17	14.19	14.21	
	2	14.25	14.25	14.25	14.25	14.24	
	3	14.20	14.19	14.18	14.16	14.14	
	4	14.08	14.06	14.05	14.04	14.02	
	5	13.99	13.98	13.98	13.97	13.97	
	6	13.97	13.97	13.98	13.98	13.98	
	7	13.99	14.00	14.00	14.00	14.00	
	8	14.00	14.00	14.00	14.00	14.00	
	9	13.99	13.98	13.97	13.96	13.94	
	10	13.90	13.88	13.87	13.86	13.86	
	11	13.83	13.82	13.81	13.80	13.79	
	12	13.79	13.78	13.78	13.78	13.77	
	13	13.75	13.74	13.73	13.72	13.70	
	14	13.66	13.64	13.63	13.62	13.58	
	15	13.53	13.50	13.49	13.47	13.45	
	16	13.38	13.36	13.33	13.32	13.30	
	17	13.23	13.21	13.16	13.14	13.12	
	18	13.04	13.02	13.00	12.97	12.95	
	19	12.86	12.83	12.82	12.79	12.77	
	20	12.71	12.69	12.66	12.64	12.63	
	21	12.58	12.58	12.57	12.56	12.56	
	22	12.64	12.65	12.66	12.67	12.67	
	23	12.66	12.66	12.65	12.65	12.64	
	24	12.65	12.65	12.66	12.66	12.66	
	25	12.69	12.70	12.71	12.73	12.74	
	26	12.75	12.75	12.75	12.75	12.75	
	27	12.75	12.77	12.78	12.79	12.80	
	28	12.87	12.89	12.91	12.92	12.93	
	29	12.96	12.96	12.96	12.96	12.96	
	30	12.97	12.97	12.97	12.96	12.96	
	31	13.00	13.02	13.06	13.08	13.12	
AUG	1	13.25	13.28	13.31	13.33	13.38	
	2	13.46	13.46	13.49	13.50	13.50	
	3	13.53	13.53	13.53	13.53	13.52	
	4	13.48	13.48	13.47	13.47	13.47	
	5	13.44	13.44	13.43	13.42	13.42	
	6	13.38	13.38	13.37	13.36	13.35	
	7	13.32	13.31	13.30	13.29	13.28	
	8	13.25	13.25	13.25	13.24	13.23	
	9	13.21	13.20	13.20	13.19	13.19	
	10	13.16	13.16	13.15	13.14	13.14	
	11	13.11	13.11	13.11	13.12	13.13	
	12	13.17	13.18	13.19	13.21	13.22	
	13	13.28	13.27	13.28	13.29	13.30	
	14	13.33	13.33	13.35	13.36	13.37	
	15	13.52	13.55	13.58	13.61	13.64	
	16	13.77	13.80	13.83	13.85	13.89	
	17	14.00	14.02	14.07	14.08	14.08	
	18	14.11	14.11	14.12	14.12	14.12	
	19	14.11	14.11	14.10	14.10	14.10	
	20	14.08	14.08	14.08	14.07	14.07	
	21	14.06	14.06	14.06	14.05	14.05	
	22	14.00	13.99	13.98	13.96	13.95	
	23	13.85	13.83	13.81	13.79	13.78	
	24	13.75	13.75	13.75	13.75	13.75	

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WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Jhenai/Chatal Gauge Station : 12 (Rampur)			Height of BM/TBM : 15.576 m,PWD Date of gauge connection : 07-08-94 Zero value of gauge : 12.04 m,PWD			
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
	25	13.75	13.75	13.75	13.75	13.75	
	26	13.73	13.73	13.73	13.73	13.73	
	27	13.74	13.74	13.74	13.74	13.74	
	28	13.72	13.71	13.70	13.69	13.68	
	29	13.65	13.64	13.63	13.63	13.62	
	30	13.63	13.63	13.62	13.62	13.61	
	31	13.58	13.58	13.58	13.58	13.57	
SEP	1	13.55	13.54	13.53	13.52	13.50	
	2	13.45	13.44	13.42	13.41	13.39	
	3	13.32	13.30	13.29	13.27	13.25	
	4	13.20	13.19	13.17	13.16	13.15	
	5	13.06	13.04	13.02	13.00	12.99	
	6	12.92	12.90	12.89	12.88	12.87	
	7	12.80	12.79	12.78	12.77	12.75	
	8	12.69	12.68	12.67	12.66	12.66	
	9	12.63	12.68	12.68	12.67	12.67	
	10	12.64	12.63	12.63	12.64	12.64	
	11	12.60	12.60	12.60	12.61	12.62	
	12	12.65	12.67	12.68	12.68	12.69	
	13	12.70	12.70	12.70	12.70	12.71	
	14	12.72	12.73	12.73	12.74	12.74	
	15	12.77	12.77	12.77	12.77	12.78	
	16	12.80	12.80	12.80	12.80	12.81	
	17	12.83	12.83	12.85	12.86	12.86	
	18	12.85	12.85	12.85	12.85	12.85	
	19	12.83	12.83	12.83	12.85	12.85	
	20	12.87	12.88	12.89	12.91	12.93	
	21	12.99	13.00	13.02	13.04	13.05	
	22	13.14	13.15	13.16	13.17	13.17	
	23	13.16	13.16	13.16	13.15	13.15	
	24	13.15	13.14	13.14	13.13	13.13	
	25	13.10	13.10	13.10	13.10	13.10	
	26	13.10	13.08	13.08	13.08	13.08	
	27	13.06	13.06	13.05	13.05	13.04	
	28	13.03	13.02	13.02	13.00	13.00	
	29	12.97	12.96	12.95	12.94	12.92	
	30	12.85	12.83	12.81	12.79	12.77	
OCT	1	12.70	12.68	12.66	12.65	12.64	
	2	12.57	12.56	12.54	12.53	12.50	
	3	12.47	12.47	12.46	12.46	12.46	
	4	12.49	12.50	12.49	12.48	12.47	
	5	12.42	12.41	12.39	12.37	12.36	
	6	12.37	12.37	12.37	12.38	12.38	
	7	12.33	12.33	12.32	12.32	12.32	
	8	12.30	12.30	12.30	12.30	12.30	
	9	12.30	12.30	12.30	12.30	12.31	
	10	12.44	12.47	12.49	12.51	12.52	
	11	12.59	12.60	12.61	12.62	12.63	
	12	12.63	12.63	12.63	12.63	12.64	
	13	12.62	12.61	12.61	12.60	12.60	
	14	12.57	12.56	12.56	12.55	12.54	
	15	12.51	12.50	12.50	12.49	12.49	
	16	12.48	12.48	12.48	12.48	12.48	
	17	12.48	12.48	12.48	12.49	12.49	
	18	12.51	12.52	12.52	12.52	12.52	
	19	12.53	12.53	12.53	12.52	12.52	
	20	12.49	12.49	12.48	12.46	12.44	
	21	12.39	12.37	12.35	12.33	12.31	
	22	12.26	12.24	12.23	12.22	12.21	
	23	12.19	12.19	12.18	12.18	12.17	
	24	12.15	12.14	12.13	12.13	12.12	
	25	12.09	12.09	12.09	12.08	12.08	
	26	12.07	12.06	12.05			DRY
	27						"
	28						"
	29						"
	30						"
	31						"

Note

Zero value of certain gauges were altered due to gauge posts being resited at the same location to accommodate WL fluctuations. These changes are given in Table on page C-2.

Where zero values have been altered, these are not given in WL tables. Only the final value is given in these tables.

WATER LEVEL DATA FOR THE YEAR OF 1994

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Month	Project : Jamalpur Project River : Br.of Jamuna Gauge Station : 13 (Jhalopara)				Height of BM/TBM : 16.59 m,PWD Date of gauge connection : 08-08-94 Zero value of gauge : 10.97 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
JUN	1	11.14	11.19	11.25	11.33	11.43	
	2	11.65	11.76	11.84	11.91	11.97	
	3	12.39	12.46	12.53	12.60	12.64	
	4	12.85	12.98	12.95	13.00	13.03	
	5	13.15	13.18	13.22	13.25	13.30	
	6	13.31	13.33	13.34	13.34	13.35	
	7	13.38	13.38	13.39	13.39	13.40	
	8	13.38	13.38	13.37	13.36	13.35	
	9	13.30	13.29	13.30	13.27	13.25	
	10	13.24	13.23	13.22	13.19	13.16	
	11	13.11	13.10	13.09	13.06	13.04	
	12	12.93	12.92	12.91	12.90	12.91	
	13	12.87	12.87	12.86	12.85	12.84	
	14	12.82	12.80	12.80	12.78	12.79	
	15	12.75	12.74	12.74	12.73	12.72	
	16	12.74	12.73	12.73	12.72	12.75	
	17	12.74	12.74	12.74	12.76	12.77	
	18	12.78	12.79	12.82	12.85	12.86	
	19	12.89	12.92	12.94	12.95	12.98	
	20	13.09	13.11	13.15	13.18	13.22	
	21	13.29	13.32	13.35	13.37	13.40	
	22	13.44	13.45	13.46	13.47	13.48	
	23	13.47	13.48	13.48	13.49	13.50	
	24	13.49	13.49	13.50	13.50	13.50	
	25	13.52	13.53	13.53	13.54	13.56	
	26	13.63	13.63	13.60	13.66	13.67	
	27	13.69	13.69	13.69	13.68	13.68	
	28	13.67	13.68	13.68	13.67	13.67	
	29	13.64	13.63	13.66	13.67	13.65	
	30	13.63	13.63	13.64	13.63	13.62	
JUL	1	13.71	13.73	13.75	13.75	13.76	
	2	13.77	13.76	13.75	13.74	13.74	
	3	13.65	13.63	13.61	13.60	13.59	
	4	13.54	13.53	13.53	13.52	13.52	
	5	13.51	13.52	13.54	13.54	13.54	
	6	13.56	13.57	13.57	13.56	13.57	
	7	13.57	13.58	13.59	13.59	13.60	
	8	13.60	13.61	13.60	13.60	13.59	
	9	13.55	13.54	13.53	13.52	13.51	
	10	13.46	13.46	13.45	13.45	13.44	
	11	13.43	13.43	13.42	13.42	13.43	
	12	13.44	13.43	13.44	13.44	13.44	
	13	13.40	13.39	13.38	13.38	13.39	
	14	13.31	13.30	13.30	13.28	13.27	
	15	13.24	13.23	13.22	13.22	13.20	
	16	13.13	13.11	13.09	13.08	13.07	
	17	12.99	12.98	12.96	12.94	12.91	
	18	12.82	12.80	12.78	12.76	12.76	
	19	12.66	12.63	12.62	12.60	12.59	
	20	12.51	12.50	12.48	12.47	12.47	
	21	12.43	12.43	12.42	12.41	12.41	
	22	12.50	12.51	12.52	12.54	12.55	
	23	12.51	12.51	12.50	12.49	12.48	
	24	12.52	12.53	12.53	12.54	12.55	
	25	12.60	12.62	12.63	12.64	12.65	
	26	12.63	12.64	12.64	12.62	12.62	
	27	12.67	12.66	12.69	12.70	12.70	
	28	12.79	12.80	12.81	12.83	12.83	
	29	12.86	12.87	12.85	12.84	12.83	
	30	12.86	12.85	12.85	12.84	12.83	
	31	12.94	12.96	12.99	13.04	13.08	
AUG	1	13.23	13.25	13.27	13.26	13.28	
	2	13.34	13.35	13.36	13.36	13.38	
	3	13.37	13.36	13.36	13.35	13.34	
	4	13.30	13.29	13.29	13.28	13.29	
	5	13.26	13.25	13.25	13.24	13.24	
	6	13.22	13.22	13.20	13.20	13.19	
	7	13.15	13.14	13.14	13.13	13.12	
	8	13.12	13.11	13.08	13.06	13.05	
	9	13.04	13.04	13.09	13.01	13.00	
	10	12.98	12.98	12.96	12.96	12.98	
	11	12.96	12.95	12.95	12.98	13.00	
	12	13.03	13.05	13.06	13.09	13.09	
	13	13.13	13.15	13.16	13.17	13.18	
	14	13.20	13.21	13.22	13.23	13.30	
	15	13.39	13.42	13.45	13.47	13.52	
	16	13.63	13.65	13.68	13.70	13.74	
	17	13.83	13.85	13.86	13.88	13.89	
	18	13.90	13.89	13.90	13.90	13.90	
	19	13.88	13.87	13.87	13.86	13.86	
	20	13.85	13.85	13.85	13.85	13.85	
	21	13.83	13.84	13.83	13.84	13.82	
	22	13.74	13.73	13.71	13.69	13.67	
	23	13.58	13.57	13.56	13.57	13.56	
	24	13.54	13.54	13.53	13.54	13.55	

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Br.of Jamuna Gauge Station : 13 (Jhalopara)			Height of BM/TBM : 16.59 m,PWD Date of gauge connection : 08-08-94 Zero value of gauge : 10.97 m,PWD			
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
	25	13.54	13.53	13.53	13.54	13.54	
	26	13.53	13.53	13.53	13.53	13.54	
	27	13.54	13.53	13.54	13.53	13.53	
	28	13.49	13.49	13.48	13.47	13.46	
	29	13.44	13.43	13.42	13.41	13.41	
	30	13.43	13.43	13.42	13.42	13.41	
	31	13.39	13.38	13.38	13.38	13.36	
SEP	1	13.34	13.33	13.32	13.31	13.30	
	2	13.22	13.22	13.21	13.20	13.18	
	3	13.10	13.10	13.08	13.06	13.04	
	4	12.99	12.98	12.96	12.95	12.93	
	5	12.84	12.83	12.83	12.82	12.80	
	6	12.71	12.71	12.69	12.67	12.65	
	7	12.61	12.60	12.56	12.56	12.55	
	8	12.47	12.45	12.44	12.43	12.42	
	9	12.39	12.39	12.40	12.38	12.37	
	10	12.37	12.36	12.35	12.36	12.35	
	11	12.37	12.37	12.39	12.40	12.42	
	12	12.50	12.49	12.50	12.50	12.51	
	13	12.52	12.51	12.52	12.51	12.53	
	14	12.55	12.54	12.55	12.56	12.56	
	15	12.58	12.59	12.59	12.59	12.58	
	16	12.61	12.62	12.64	12.64	12.66	
	17	12.67	12.68	12.68	12.69	12.69	
	18	12.68	12.68	12.68	12.67	12.70	
	19	12.67	12.66	12.67	12.68	12.70	
	20	12.74	12.73	12.74	12.76	12.78	
	21	12.84	12.85	12.87	12.88	12.90	
	22	12.98	12.99	12.99	12.99	12.99	
	23	12.96	12.98	12.96	12.96	12.95	
	24	12.94	12.93	12.93	12.92	12.92	
	25	12.91	12.91	12.90	12.90	12.90	
	26	12.90	12.89	12.89	12.89	12.89	
	27	12.89	12.89	12.88	12.88	12.87	
	28	12.86	12.89	12.85	12.84	12.84	
	29	12.79	12.76	12.75	12.73	12.72	
	30	12.66	12.63	12.62	12.60	12.58	
OCT	1	12.46	12.45	12.44	12.42	12.41	
	2	12.34	12.33	12.30	12.29	12.28	
	3	12.23	12.22	12.21	12.21	12.21	
	4	12.22	12.22	12.20	12.20	12.19	
	5	12.08	12.07	12.05	12.04	12.03	
	6	12.03	12.01	12.00	11.99	11.99	
	7	12.00	11.98	11.97	11.96	11.98	
	8	11.95	11.95	11.94	11.94	11.97	
	9	11.95	11.94	11.94	11.96	11.96	
	10	12.15	12.16	12.18	12.18	12.19	
	11	12.22	12.23	12.23	12.22	12.22	
	12	12.24	12.24	12.25	12.25	12.25	
	13	12.26	12.25	12.23	12.23	12.23	
	14	12.20	12.20	12.19	12.19	12.18	
	15	12.16	12.16	12.17	12.15	12.15	
	16	12.16	12.16	12.17	12.18	12.18	
	17	12.22	12.23	12.22	12.24	12.25	
	18	12.29	12.28	12.28	12.29	12.29	
	19	12.30	12.30	12.29	12.28	12.28	
	20	12.23	12.21	12.19	12.17	12.15	
	21	12.05	12.04	12.01	12.00	11.99	
	22	11.87	11.85	11.83	11.83	11.81	
	23	11.72	11.72	11.69	11.67	11.65	
	24	11.57	11.55	11.52	11.51	11.50	
	25	11.40	11.37	11.35	11.33	11.32	
	26	11.23	11.22	11.20	11.19	11.18	
	27	11.14	11.13	11.11	11.09	11.08	
	28	11.03	11.02	11.01	11.00	11.00	
	29	10.97					DRY
	30						"
	31						"

Note

Zero value of certain gauges were altered due to gauge posts being resited at the same location to accommodate WL fluctuations. These changes are given in Table on page C-2.

Where zero values have been altered, these are not given in WL tables. Only the final value is given in these tables.

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Chatal Gauge Station : A (Jatiarper)				Height of BM/TBM : 20.25 m,PWD Date of gauge connection : 13-06-94 Zero value of gauge : 12.65 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
JUN	1						
	2						
	3						
	4						
	5						
	6						
	7						Gauge not installed
	8						
	9						
	10						
	11						
	12						
	13						
	14	13.66	13.65	13.64	13.62	13.60	
	15	13.53	13.53	13.52	13.50	13.49	
	16	13.45	13.44	13.44	13.43	13.43	
	17	13.43	13.43	13.44	13.43	13.44	
	18	13.44	13.45	13.46	13.46	13.48	
	19	13.55	13.58	13.61	13.63	13.66	
	20	13.82	13.88	13.93	13.98	14.04	
	21	14.23	14.26	14.31	14.33	14.36	
	22	14.45	14.47	14.49	14.49	14.50	
	23	14.52	14.52	14.53	14.52	14.52	
	24	14.54	14.54	14.54	14.54	14.55	
	25	14.56	14.57	14.59	14.59	14.61	
	26	14.69	14.72	14.74	14.75	14.77	
	27	14.82	14.82	14.83	14.83	14.83	
	28	14.81	14.80	14.80	14.78	14.77	
	29	14.74	14.73	14.74	14.73	14.73	
	30	14.72	14.72	14.73	14.72	14.72	
JUL	1	14.80	14.82	14.85	14.89	14.92	
	2	14.95	14.94	14.93	14.92	14.90	
	3	14.82	14.79	14.77	14.75	14.71	
	4	14.63	14.61	14.60	14.58	14.57	
	5	14.54	14.54	14.54	14.54	14.54	
	6	14.54	14.55	14.55	14.56	14.56	
	7	14.59	14.59	14.59	14.59	14.59	
	8	14.61	14.61	14.61	14.60	14.60	
	9	14.57	14.56	14.54	14.52	14.49	
	10	14.44	14.42	14.41	14.39	14.38	
	11	14.35	14.34	14.33	14.32	14.31	
	12	14.31	14.31	14.31	14.30	14.28	
	13	14.26	14.24	14.22	14.20	14.18	
	14	14.12	14.10	14.07	14.05	14.05	
	15	13.94	13.92	13.89	13.86	13.83	
	16	13.75	13.73	13.70	13.67	13.64	
	17	13.55	13.53	13.50	13.47	13.44	
	18	13.34	13.32	13.29	13.27	13.24	
	19	13.13	13.11	13.10	13.08	13.05	
	20	12.97	12.96	12.95	12.94	12.92	
	21	12.89	12.88	12.88	12.87	12.87	
	22	13.08	13.10	13.08	13.07	13.06	
	23	13.03	13.02	13.00	12.99	12.97	
	24	12.94	12.94	12.93	12.92	12.92	
	25	12.93	12.93	12.94	12.94	12.95	
	26	12.99	12.99	12.98	12.98	12.97	
	27	12.95	12.96	12.96	12.97	12.97	
	28	13.09	13.12	13.14	13.15	13.16	
	29	13.18	13.18	13.18	13.18	13.17	
	30	13.18	13.18	13.18	13.18	13.18	
	31	13.22	13.25	13.29	13.33	13.37	
AUG	1	13.56	13.61	13.65	13.68	13.72	
	2	13.82	13.84	13.86	13.97	13.88	
	3	13.91	13.91	13.90	13.88	13.87	
	4	13.81	13.80	13.79	13.78	13.78	
	5	13.76	13.75	13.74	13.73	13.73	
	6	13.69	13.68	13.67	13.66	13.65	
	7	13.61	13.60	13.58	13.57	13.56	
	8	13.56	13.55	13.53	13.52	13.51	
	9	13.48	13.47	13.46	13.45	13.44	
	10	13.42	13.41	13.40	13.39	13.38	
	11	13.35	13.35	13.35	13.36	13.38	
	12	13.43	13.44	13.46	13.48	13.50	
	13	13.54	13.55	13.56	13.57	13.59	
	14	13.65	13.66	13.67	13.69	13.71	
	15	13.91	13.95	13.99	14.03	14.06	
	16	14.24	14.28	14.31	14.35	14.38	
	17	14.51	14.54	14.56	14.57	14.59	
	18	14.60	14.61	14.61	14.60	14.59	
	19	14.57	14.57	14.56	14.56	14.55	
	20	14.54	14.53	14.53	14.53	14.52	
	21	14.51	14.51	14.50	14.49	14.48	
	22	14.41	14.38	14.36	14.36	14.35	
	23	14.21	14.19	14.17	14.16	14.14	
	24	14.13	14.13	14.13	14.13	14.13	

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WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Chatal Gauge Station : A (Jatiarper)				Height of BM/TBM : 20.25 m,PWD Date of gauge connection : 13-06-94 Zero value of gauge : 12.65 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
	25	14.14	14.14	14.14	14.13	14.13	
	26	14.13	14.13	14.13	14.13	14.13	
	27	14.14	14.14	14.13	14.13	14.12	
	28	14.10	14.08	14.07	14.06	14.04	
	29	14.01	14.00	13.99	13.98	13.97	
	30	13.98	13.98	13.97	13.96	13.95	
	31	13.94	13.93	13.92	13.92	13.91	
SEP	1	13.88	13.86	13.85	13.84	13.82	
	2	13.73	13.71	13.68	13.66	13.54	
	3	13.55	13.53	13.51	13.49	13.47	
	4	13.41	13.39	13.37	13.36	13.34	
	5	13.24	13.23	13.21	13.19	13.18	
	6	13.10	13.08	13.07	13.05	13.04	
	7	12.99	12.97	12.95	12.94	12.93	
	8	12.90	12.89	12.89	12.88	12.88	
	9	12.90	12.91	12.92	12.93	12.93	
	10	12.91	12.90	12.89	12.89	12.89	
	11	12.86	12.86	12.85	12.85	12.85	
	12	12.85	12.86	12.86	12.87	12.87	
	13	12.88	12.88	12.88	12.88	12.89	
	14	12.92	12.92	12.93	12.93	12.93	
	15	12.92	12.92	12.92	12.92	12.92	
	16	12.93	12.94	12.95	12.95	12.96	
	17	12.98	12.99	13.00	13.01	13.02	
	18	13.00	13.00	13.00	13.00	13.00	
	19	12.99	12.99	12.99	12.99	12.99	
	20	13.03	13.04	13.06	13.08	13.11	
	21	13.15	13.17	13.19	13.21	13.23	
	22	13.33	13.35	13.36	13.36	13.36	
	23	13.35	13.35	13.34	13.33	13.35	
	24	13.32	13.31	13.30	13.30	13.29	
	25	13.28	13.28	13.27	13.27	13.27	
	26	13.26	13.26	13.26	13.25	13.25	
	27	13.23	13.23	13.23	13.22	13.22	
	28	13.20	13.20	13.19	13.19	13.18	
	29	13.16	13.15	13.15	13.14	13.14	
	30	13.00	12.99	12.98	12.96	12.95	
OCT	1	12.89	12.88	12.87	12.86	12.85	
	2	12.82	12.81	12.81	12.80	12.80	
	3	12.78	12.83	12.80	12.80	12.79	
	4	12.89	12.89	12.88	12.87	12.94	
	5	12.84	12.83	12.83	12.82	12.87	
	6	12.90	12.90	12.90	12.90	12.89	
	7	12.87	12.87	12.87	12.86	12.86	
	8	12.86	12.86	12.86	12.86	12.86	
	9	12.86	12.86	12.86	12.86	12.94	
	10	13.02	13.02	13.02	13.01	13.00	
	11	12.97	12.97	12.97	12.97	12.97	
	12	12.96	12.96	12.96	12.96	12.95	
	13	12.93	12.93	12.93	12.93	12.92	
	14	12.90	12.90	12.90	12.90	12.89	
	15	12.88	12.88	12.88	12.87	12.87	
	16	12.86	12.85	12.85	12.85	12.85	
	17	12.84	12.84	12.83	12.83	12.83	
	18	12.82	12.82	12.82	12.82	12.82	
	19	12.82	12.82	12.82	12.82	12.81	
	20	12.81	12.81	12.80	12.80	12.80	
	21	12.79	12.78	12.78	12.78	12.78	
	22	12.77	12.77	12.77	12.76	12.76	
	23	12.76	12.76	12.76	12.75	12.75	
	24	12.75	12.75	12.75	12.75	12.74	
	25	12.74	12.74	12.74	12.73	12.73	
	26	12.73	12.73	12.73	12.73	12.73	
	27	12.73	12.73	12.73	12.72	12.72	
	28	12.72	12.72	12.72	12.72	12.72	
	29	12.72	12.72	12.71	12.71	12.71	
	30	12.71	12.71	12.71	12.71	12.71	
	31	12.73	12.73	12.73	12.73	12.72	

Note

Zero value of certain gauges were altered due to gauge posts being resited at the same location to accommodate WL fluctuations. These changes are given in Table on page C-2.

Where zero values have been altered, these are not given in WL tables. Only the final value is given in these tables.

WATER LEVEL DATA FOR THE YEAR OF 1994

Project : Jamalpur Project
River : Old Brahmaputra
Gauge Station : B (Tupkar char)

Height of BM/TBM : 18.73 m,PWD
Date of gauge connection : 07-07-94
Zero value of gauge : 13.15 m,PWD

Month	Time / Date	0600 hrs. WL m,PWD	0900 hrs. WL m,PWD	1200 hrs. WL m,PWD	1500 hrs. WL m,PWD	1800 hrs. WL m,PWD	Remarks
JUN	1						
	2						
	3						
	4						
	5						
	6						
	7						Gauge not installed
	8						
	9						
	10						
	11						
	12						
	13	15.39	15.37	15.39	15.37	15.35	
	14	15.29	15.28	15.28	15.26	15.25	
	15	15.24	15.24	15.25	15.25	15.23	
	16	15.20	15.20	15.21	15.20	15.20	
	17	15.21	15.21	15.21	15.20	15.20	
	18	15.23	15.23	15.25	15.25	15.26	
	19	15.34	15.35	15.38	15.40	15.41	
	20	15.58	15.62	15.63	15.67	15.71	
	21	15.82	15.85	15.88	15.89	15.93	
	22	15.97	15.99	16.00	16.01	16.01	
	23	16.03	16.03	16.04	16.03	16.03	
	24	16.03	16.03	16.04	16.04	16.05	
	25	16.09	16.11	16.11	16.11	16.11	
	26	16.19	16.20	16.22	16.22	16.22	
	27	16.25	16.26	16.26	16.24	16.23	
	28	16.22	16.21	16.20	16.18	16.16	
	29	16.14	16.14	16.14	16.13	16.13	
	30	16.13	16.13	16.14	16.14	16.14	
JUL	1	16.19	16.22	16.24	16.25	16.27	
	2	16.25	16.24	16.24	16.22	16.22	
	3	16.17	16.15	16.13	16.10	16.08	
	4	16.05	16.04	16.03	16.02	16.02	
	5	16.01	16.00	16.00	16.02	16.03	
	6	16.04	16.04	16.04	16.04	16.05	
	7	16.05	16.09	16.09	16.09	16.09	
	8	16.11	16.10	16.09	16.09	16.08	
	9	16.04	16.03	16.01	16.00	15.98	
	10	15.94	15.93	15.92	15.92	15.91	
	11	15.90	15.89	15.88	15.87	15.86	
	12	15.87	15.86	15.85	15.84	15.84	
	13	15.80	15.78	15.77	15.75	15.74	
	14	15.68	15.66	15.65	15.64	15.63	
	15	15.55	15.53	15.52	15.50	15.49	
	16	15.40	15.38	15.37	15.36	15.34	
	17						DRY
	18						"
	19						"
	20						"
	21						"
	22						"
	23						"
	24						"
	25						"
	26						"
	27						"
	28						"
	29						"
	30						"
	31	15.25	15.26	15.27	15.28	15.29	
AUG	1	15.44	15.45	15.46	15.49	15.52	
	2	15.55	15.56	15.57	15.57	15.57	
	3	15.56	15.56	15.55	15.53	15.52	
	4	15.47	15.46	15.45	15.44	15.43	
	5	15.42	15.43	15.43	15.43	15.43	
	6	15.40	15.39	15.38	15.37	15.36	
	7						DRY
	8						"
	9						"
	10						"
	11						"
	12						"
	13	15.32	15.33	15.34	15.35	15.36	
	14	15.40	15.41	15.42	15.43	15.46	
	15	15.65	15.67	15.68	15.70	15.72	
	16	15.82	15.84	15.87	15.89	15.91	
	17	15.97	15.98	15.99	16.00	16.01	
	18	16.02	16.02	16.01	16.00	15.99	
	19	15.98	15.97	15.97	15.96	15.96	
	20	15.95	15.95	15.95	15.94	15.94	
	21	15.93	15.93	15.92	15.90	15.88	
	22	15.83	15.82	15.80	15.79	15.78	
	23	15.72	15.71	15.70	15.69	15.68	
	24	15.72	15.73	15.74	15.74	15.74	

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WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Old Brahmaputra Gauge Station : B (Tupkar char)				Height of BM/TBM : 18.73 m,PWD Date of gauge connection : 07-07-94 Zero value of gauge : 13.15 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
	25	15.75	15.75	15.74	15.74	15.73	
	26	15.73	15.74	15.74	15.75	15.75	
	27	15.75	15.75	15.75	15.75	15.75	
	28	15.71	15.70	15.69	15.69	15.68	
	29	15.67	15.67	15.66	15.66	15.66	
	30	15.68	15.67	15.66	15.66	15.66	
	31	15.65	15.64	15.64	15.64	15.63	
SEP	1	15.61	15.60	15.59	15.57	15.56	
	2						
	3						
	4						
	5						
	6			15.01	15.00	14.99	
	7	14.93	14.93	14.92	14.91	14.90	
	8	14.85	14.84	14.83	14.82	14.81	
	9	14.80	14.80	14.80	14.80	14.80	
	10	14.79	14.79	14.78	14.77	14.77	
	11	14.80	14.82	14.83	14.85	14.87	
	12	14.90	14.91	14.92	14.92	14.92	
	13	14.93	14.93	14.93	14.94	14.95	
	14	14.98	14.99	15.00	15.00	15.00	
	15	15.00	14.99	14.99	14.99	14.99	
	16	15.03	15.03	15.04	15.05	15.06	
	17	15.08	15.07	15.06	15.06	15.05	
	18	15.04	15.04	15.03	15.03	15.03	
	19	15.04	15.04	15.04	15.08	15.11	
	20						
	21						
	22					14.89	
	23	14.88	14.88	14.88	14.89	14.91	
	24	14.90	14.89	14.88	14.87	14.87	
	25	14.87	14.87	14.86	14.86	14.86	
	26	14.87	14.86	14.86	14.86	14.86	
	27	14.84	14.83	14.83	14.83	14.83	
	28	14.81	14.81	14.81	14.80	14.79	
	29	14.75	14.73	14.71	14.70	14.68	
	30	14.63	14.61	14.60	14.58	14.56	
OCT	1	14.76	14.77	14.77	14.77	14.77	
	2	14.76	14.76	14.75	14.75	14.75	
	3	14.74	14.74	14.73	14.72	14.71	
	4	14.67	14.66	14.64	14.63	14.61	
	5	14.53	14.51	14.50	14.50	14.50	
	6	14.49	14.49	14.48	14.48	14.47	
	7	14.49	14.50	14.50	14.50	14.50	
	8	14.48	14.48	14.48	14.49	14.50	
	9	14.51	14.52	14.52	14.52	14.53	
	10	14.76	14.81	14.84	14.87	14.89	
	11	14.87	14.86	14.85	14.85	14.84	
	12	14.83	14.83	14.83	14.83	14.83	
	13	14.82	14.82	14.82	14.82	14.81	
	14	14.78	14.77	14.76	14.76	14.75	
	15	14.74	14.73	14.73	14.73	14.73	
	16	14.74	14.74	14.75	14.76	14.77	
	17	14.79	14.79	14.80	14.80	14.81	
	18	14.82	14.82	14.83	14.83	14.83	
	19	14.82	14.82	14.81	14.80	14.79	
	20	14.73	14.71	14.69	14.67	14.65	
	21	14.56	14.55	14.54	14.52	14.49	
	22	14.43	14.41	14.39	14.37	14.35	
	23	14.30	14.28	14.26	14.24	14.21	
	24	14.15	14.14	14.11	14.09	14.07	
	25	14.01	13.99	13.97	13.95	13.93	
	26	13.85	13.83	13.81	13.79	13.77	
	27	13.72	13.71	13.70	13.69	13.68	
	28	13.62	13.61	13.60	13.59	13.58	
	29	13.53	13.52	13.51	13.50	13.49	
	30	13.47	13.46	13.45	13.44	13.43	
	31	13.42	13.42	13.41	13.40	13.39	

Note

Zero value of certain gauges were altered due to gauge posts being resited at the same location to accommodate WL fluctuations. These changes are given in Table on page C-2.

Where zero values have been altered, these are not given in WL tables. Only the final value is given in these tables.

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Br.of Old Brahmaputra Gauge Station : C (Putdanga Rly. Bridge)				Height of BM/TBM : 20.30 m,PWD Date of gauge connection : 14-06-94 Zero value of gauge : 17.06 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
JUNE	1						DRY
	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						"
JULY	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						"
AUGUST	1						"
	2						"
	3						"
	4						"
	5						"
	6						"
	7						"
	8						"
	9						"
	10						"
	11						"
	12						"
	13						"
	14						"
	15						"
	16						"
	17						"
	18						"
	19						"
	20						"
	21						"
	22						"
	23						"
	24						"

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WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Br.of Old Brahmaputra Gauge Station : C (Putdanga Rly. Bridge)				Height of BM/TBM : 20.30 m,PWD Date of gauge connection : 14-06-94 Zero value of gauge : 17.06 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
	25						"
	26						"
	27						"
	28						"
	29						"
	30						"
	31						"
SEPTEMBER	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						"
OCTOBER	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						DRY

Note

Zero value of certain gauges were altered due to gauge posts being resited at the same location to accommodate WL fluctuations. These changes are given in Table on page C-2.

Where zero values have been altered, these are not given in WL tables. Only the final value is given in these tables.

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Beel (Connection with Jamuna) Gauge Station : D (Guzimari)				Height of BM/TBM : 21.11 m,PWD Date of gauge connection : 12-06-94 Zero value of gauge : 16.52 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
JUN	1						
	2						
	3						
	4						
	5						Gauge not installed
	6						
	7						
	8						
	9						
	10					16.73	
	11	16.74	16.75	16.76	16.76	16.76	
	12	16.76	16.76	16.77	16.76	16.76	
	13	16.84	16.85	16.86	16.85	16.86	
	14	16.86	16.86	16.87	16.86	16.86	
	15	16.86	16.86	16.87	16.86	16.86	
	16	16.87	16.87	16.88	16.87	16.87	
	17	16.93	16.94	16.95	16.95	16.95	
	18	16.95	16.95	16.96	16.96	16.96	
	19	16.96	16.96	16.97	16.96	16.96	
	20	16.97	16.97	16.97	16.97	16.97	
	21	16.97	16.98	17.03	17.03	17.03	
	22	17.04	17.05	17.07	17.06	17.06	
	23	17.12	17.12	17.13	17.12	17.12	
	24	17.12	17.12	17.13	17.12	17.12	
	25	17.15	17.15	17.16	17.16	17.16	
	26	17.17	17.17	17.18	17.18	17.18	
	27	17.18	17.18	17.19	17.18	17.18	
	28	17.22	17.22	17.23	17.22	17.22	
	29	17.22	17.22	17.23	17.23	17.23	
	30	17.23	17.23	17.24	17.23	17.23	
JUL	1	17.24	17.24	17.24	17.24	17.24	
	2	17.25	17.25	17.25	17.25	17.25	
	3	17.25	17.25	17.25	17.25	17.25	
	4	17.25	17.25	17.24	17.24	17.24	
	5	17.24	17.24	17.24	17.25	17.26	
	6	17.26	17.26	17.26	17.26	17.26	
	7	17.26	17.26	17.26	17.26	17.26	
	8	17.26	17.26	17.26	17.26	17.26	
	9	17.26	17.26	17.26	17.26	17.26	
	10	17.26	17.26	17.26	17.26	17.26	
	11	17.26	17.26	17.26	17.26	17.25	
	12	17.25	17.25	17.25	17.25	17.25	
	13	17.25	17.25	17.25	17.25	17.25	
	14	17.25	17.25	17.25	17.25	17.25	
	15	17.25	17.25	17.25	17.25	17.25	
	16	17.25	17.25	17.25	17.25	17.25	
	17	17.24	17.24	17.24	17.24	17.24	
	18	17.24	17.24	17.24	17.24	17.24	
	19	17.24	17.24	17.24	17.23	17.23	
	20	17.23	17.23	17.23	17.23	17.23	
	21	17.23	17.23	17.23	17.23	17.23	
	22	17.26	17.26	17.27	17.27	17.27	
	23	17.33	17.33	17.33	17.34	17.34	
	24	17.35	17.35	17.35	17.35	17.35	
	25	17.36	17.36	17.36	17.36	17.36	
	26	17.36	17.36	17.36	17.36	17.36	
	27	17.37	17.37	17.37	17.37	17.37	
	28	17.43	17.43	17.43	17.43	17.43	
	29	17.43	17.43	17.43	17.43	17.43	
	30	17.43	17.43	17.43	17.43	17.43	
	31	17.43	17.43	17.43	17.43	17.43	
AUG	1	17.39	17.39	17.39	17.38	17.38	
	2	17.38	17.38	17.38	17.38	17.38	
	3	17.38	17.38	17.38	17.38	17.38	
	4	17.38	17.38	17.38	17.38	17.38	
	5	17.38	17.38	17.38	17.38	17.39	
	6	17.40	17.40	17.40	17.40	17.40	
	7	17.40	17.40	17.40	17.39	17.39	
	8	17.40	17.40	17.40	17.40	17.40	
	9	17.40	17.40	17.40	17.40	17.40	
	10	17.40	17.40	17.40	17.40	17.40	
	11	17.39	17.39	17.39	17.39	17.39	
	12	17.40	17.40	17.40	17.40	17.40	
	13	17.39	17.39	17.39	17.39	17.39	
	14	17.39	17.39	17.39	17.39	17.39	
	15	17.54	17.55	17.57	17.58	17.59	
	16	17.61	17.61	17.61	17.61	17.61	
	17	17.61	17.61	17.61	17.61	17.61	
	18	17.61	17.61	17.61	17.61	17.61	
	19	17.60	17.60	17.60	17.60	17.60	
	20	17.59	17.59	17.59	17.59	17.58	
	21	17.58	17.58	17.57	17.57	17.57	
	22	17.56	17.56	17.56	17.56	17.56	
	23	17.55	17.55	17.55	17.55	17.54	
	24	17.59	17.61	17.62	17.62	17.62	

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WATER LEVEL DATA FOR THE YEAR OF 1994

Project : Jamalpur Project
River : Beel (Connection with Jamuna)
Gauge Station : D (Guzimari)

Height of BM/TBM : 21.11 m,PWD
Date of gauge connection : 12-06-94
Zero value of gauge : 16.52 m,PWD

Month	Time / Date	0600 hrs. WL m,PWD	0900 hrs. WL m,PWD	1200 hrs. WL m,PWD	1500 hrs. WL m,PWD	1800 hrs. WL m,PWD	Remarks
	25	17.65	17.65	17.65	17.65	17.65	
	26	17.64	17.64	17.64	17.64	17.64	
	27	17.63	17.63	17.63	17.63	17.63	
	28	17.63	17.63	17.62	17.62	17.62	
	29	17.62	17.62	17.61	17.61	17.61	
	30	17.61	17.61	17.60	17.60	17.60	
	31	17.60	17.60	17.59	17.59	17.59	
SEP	1	17.59	17.59	17.59	17.59	17.59	
	2	17.58	17.58	17.57	17.57	17.57	
	3	17.56	17.56	17.56	17.56	17.56	
	4	17.55	17.55	17.55	17.54	17.54	
	5	17.54	17.54	17.53	17.53	17.53	
	6	17.52	17.52	17.52	17.52	17.52	
	7	17.51	17.51	17.50	17.50	17.50	
	8	17.50	17.50	17.49	17.49	17.49	
	9	17.52	17.52	17.55	17.55	17.55	
	10	17.56	17.56	17.56	17.56	17.56	
	11	17.56	17.56	17.56	17.56	17.56	
	12	17.56	17.56	17.56	17.56	17.56	
	13	17.56	17.56	17.56	17.56	17.56	
	14	17.63	17.64	17.65	17.65	17.66	
	15	17.68	17.68	17.69	17.69	17.69	
	16	17.69	17.70	17.70	17.70	17.70	
	17	17.71	17.71	17.71	17.71	17.71	
	18	17.71	17.71	17.71	17.71	17.71	
	19	17.71	17.71	17.71	17.71	17.71	
	20	17.77	17.78	17.79	17.79	17.80	
	21	17.83	17.84	17.85	17.85	17.86	
	22	17.88	17.88	17.88	17.88	17.88	
	23	17.89	17.89	17.89	17.98	17.99	
	24	18.01	18.01	18.01	18.01	18.01	
	25	18.02	18.01	18.01	18.01	18.01	
	26	18.00	18.00	18.00	18.00	18.00	
	27	17.99	17.98	17.98	17.98	17.98	
	28	17.97	17.96	17.96	17.96	17.96	
	29	17.95	17.94	17.94	17.94	17.93	
	30	17.92	17.92	17.91	17.91	17.90	
OCT	1	17.90	17.89	17.89	17.89	17.89	
	2	17.87	17.87	17.87	17.86	17.86	
	3	17.85	17.92	17.93	17.93	17.93	
	4	17.94	17.94	17.93	17.93	17.93	
	5	17.92	17.95	17.95	17.95	17.95	
	6	17.95	17.95	17.95	17.95	17.95	
	7	17.94	17.94	17.94	17.94	17.94	
	8	17.93	17.93	17.93	18.00	18.01	
	9	18.03	18.04	18.04	18.08	18.11	
	10	18.25	18.26	18.26	18.27	18.27	
	11	18.27	18.27	18.26	18.26	18.24	
	12	18.26	18.25	18.25	18.25	18.21	
	13	18.23	18.22	18.22	18.22	18.22	
	14	18.20	18.19	18.19	18.18	18.14	
	15	18.16	18.16	18.15	18.15	18.11	
	16	18.13	18.12	18.12	18.12	18.08	
	17	18.10	18.09	18.09	18.09	18.05	
	18	18.07	18.07	18.06	18.06	18.02	
	19	18.04	18.04	18.03	18.03	18.02	
	20	18.01	18.01	18.00	18.00	18.00	
	21	17.98	17.98	17.97	17.97	17.96	
	22	17.95	17.95	17.95	17.94	17.94	
	23	17.93	17.93	17.92	17.92	17.92	
	24	17.90	17.90	17.90	17.89	17.89	
	25	17.88	17.88	17.88	17.87	17.87	
	26	17.86	17.86	17.85	17.85	17.85	
	27	17.84	17.83	17.83	17.83	17.83	
	28	17.82	17.82	17.81	17.81	17.81	
	29	17.80	17.80	17.80	17.80	17.79	
	30	17.79	17.79	17.78	17.78	17.78	
	31	17.77	17.77	17.77	17.76	17.76	

Note

Zero value of certain gauges were altered due to gauge posts being resited at the same location to accommodate WL fluctuations. These changes are given in Table on page C-2.

Where zero values have been altered, these are not given in WL tables. Only the final value is given in these tables.

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Dadbhanga Gauge Station : F (Khudurkanda)				Height of BM/TBM : 18.67 m,PWD Date of gauge connection : 03-08-94 Zero value of gauge : 14.14 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
JUN	1						
	2						
	3						
	4						
	5						
	6						Gauge not installed
	7						
	8						
	9						
	10						
	11						
	12						
	13			14.91	14.88	14.87	
	14						DRY
	15						"
	16						"
	17						"
	18						"
	19						"
	20						"
	21						"
	22	14.92	14.93	14.94	14.97	14.97	
	23	15.02	15.03	15.04	15.04	15.05	
	24	15.07	15.07	15.07	15.08	15.09	
	25	15.10	15.10	15.11	15.11	15.12	
	26	15.17	15.18	15.19	15.21	15.21	
	27	15.29	15.30	15.31	15.31	15.32	
	28	15.35	15.37	15.37	15.37	15.35	
	29	15.35	15.35	15.35	15.34	15.34	
	30	15.33	15.32	15.32	15.32	15.31	
JUL	1	15.33	15.33	15.35	15.36	15.39	
	2	15.49	15.52	15.53	15.54	15.54	
	3	15.51	15.50	15.49	15.46	15.44	
	4	15.34	15.32	15.29	15.27	15.25	
	5	15.17	15.16	15.15	15.15	15.15	
	6	15.15	15.15	15.14	15.15	15.15	
	7	15.16	15.16	15.16	15.16	15.16	
	8	15.17	15.17	15.17	15.17	15.18	
	9	15.16	15.16	15.15	15.13	15.12	
	10	15.07	15.06	15.04	15.03	15.02	
	11	14.99	14.98	14.97	14.97	14.96	
	12	14.96	14.95	14.95	14.95	14.94	
	13	14.92	14.91	14.89			DRY
	14						"
	15						"
	16						"
	17						"
	18						"
	19						"
	20						"
	21						"
	22						"
	23						"
	24						"
	25						"
	26						"
	27						"
	28						"
	29						"
	30						"
	31						"
AUG	1						"
	2						"
	3				14.72	14.72	
	4	14.70	14.69	14.67	14.66	14.65	
	5	14.64	14.62	14.60	14.60	14.61	
	6	14.63	14.61	14.59	14.58	14.57	
	7	14.55	14.54	14.52	14.50	14.49	
	8	14.47	14.46	14.44	14.42	14.42	
	9	14.41	14.46	14.57	14.62	14.64	
	10	14.59	14.58	14.57	14.57	14.57	
	11	14.53	14.52	14.51	14.50	14.51	
	12	14.56	14.57	14.57	14.57	14.57	
	13	14.62	14.60	14.58	14.57	14.59	
	14	14.67	14.63	14.61	14.62	14.64	
	15	15.03	15.05	15.09	15.12	15.14	
	16	15.16	15.16	15.17	15.17	15.16	
	17	15.21	15.22	15.24	15.26	15.26	
	18	15.29	15.30	15.31	15.32	15.31	
	19	15.29	15.28	15.28	15.27	15.26	
	20	15.23	15.22	15.21	15.20	15.20	
	21	15.19	15.19	15.19	15.21	15.22	
	22	15.19	15.18	15.16	15.12	15.10	
	23	15.02	15.00	14.97	14.95	14.93	
	24	14.91	14.94	14.96	14.97	14.98	

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WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Dadbhanga Gauge Station : F (Khudurkanda)			Height of BM/TBM : 18.67 m,PWD Date of gauge connection : 03-08-94 Zero value of gauge : 14.14 m,PWD			
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
	25	15.02	15.01	15.00	15.01	15.00	
	26	15.01	15.00	14.99	14.99	14.99	
	27	14.99	14.98	14.95	14.94	14.95	
	28	14.94	14.93	14.92	14.90	14.89	
	29	14.83	14.82	14.81	14.80	14.80	
	30	14.79	14.79	14.78	14.78	14.77	
	31	14.77	14.77	14.74	14.72	14.74	
SEP	1	14.75	14.74	14.74	14.73	14.72	
	2	14.68	14.66	14.63	14.65	14.63	
	3	14.59	14.57	14.55	14.55	14.54	
	4	14.53	14.53	14.52	14.49	14.47	
	5	14.44	14.43	14.44	14.38	14.36	
	6	14.36	14.37	14.36	14.36	14.35	
	7	14.34	14.36	14.35	14.34	14.33	
	8	14.28	14.29	14.30	14.29	14.27	
	9	14.37	14.50	14.57	14.52	14.52	
	10	14.49	14.48	14.47	14.46	14.47	
	11	14.51	14.50	14.49	14.46	14.45	
	12	14.45	14.45	14.46	14.47	14.47	
	13	14.44	14.45	14.44	14.48	14.49	
	14	14.66	14.81	14.88	14.88	14.88	
	15	14.84	14.82	14.79	14.77	14.74	
	16	14.68	14.67	14.64	14.65	14.65	
	17	14.68	14.64	14.63	14.61	14.62	
	18	14.68	14.67	14.65	14.63	14.66	
	19	14.69	14.69	14.74	14.75	14.75	
	20	14.90	14.88	14.94	14.98	14.97	
	21	15.01	15.02	15.02	15.00	15.02	
	22	15.03	15.02	15.01	15.01	15.00	
	23	14.97	14.96	14.93	14.94	14.94	
	24	14.90	14.89	14.87	14.86	14.85	
	25	14.84	14.82	14.81	14.79	14.77	
	26	14.76	14.75	14.75	14.73	14.72	
	27	14.79	14.79	14.80	14.79	14.78	
	28	14.69	14.69	14.68	14.67	14.70	
	29	14.78	14.78	14.78	14.79	14.79	
	30	14.81	14.81	14.80	14.75	14.73	
OCT	1	14.73	14.72	14.71	14.70	14.70	
	2	14.71	14.71	14.71	14.70	14.69	
	3	14.65	14.68	14.69	14.63	14.65	
	4	14.65	14.65	14.65	14.64	14.66	
	5	14.70	14.71	14.71	14.74	14.71	
	6	14.86	14.84	14.79	14.75	14.75	
	7	14.82	14.82	14.82	14.81	14.82	
	8	14.83	14.82	14.81	14.78	14.80	
	9	14.93	14.90	14.89	14.89	14.90	
	10	15.20	15.20	15.23	15.28	15.28	
	11	15.28	15.28	15.27	15.24	15.20	
	12	15.11	15.10	15.07	15.03	15.01	
	13	14.93	14.92	14.93	14.90	14.87	
	14	14.84	14.84	14.83	14.83	14.81	
	15	14.82	14.81	14.79	14.78	14.80	
	16	14.83	14.82	14.82	14.81	14.81	
	17	14.84	14.84	14.83	14.79	14.79	
	18	14.82	14.82	14.81	14.80	14.80	
	19	14.81	14.81	14.78	14.78	14.75	
	20	14.87	14.86	14.81	14.77	14.77	
	21	14.80	14.80	14.80	14.79	14.78	
	22	14.78	14.76	14.71	14.68	14.66	
	23	14.70	14.70	14.67	14.60	14.65	
	24	14.77	14.78	14.72	14.65	14.58	
	25	14.50	14.50	14.55	14.63	14.64	
	26	14.73	14.74	14.73	14.70	14.70	
	27	14.74	14.74	14.72	14.72	14.73	
	28	14.68	14.65	14.60	14.55	14.54	
	29	14.61	14.62	14.63	14.63	14.64	
	30	14.62	14.62	14.63	14.62	14.63	
	31	14.58	14.52	14.45	14.40	14.37	

Note

Zero value of certain gauges were altered due to gauge posts being resited at the same location to accommodate WL fluctuations. These changes are given in Table on page C-2.

Where zero values have been altered, these are not given in WL tables. Only the final value is given in these tables.

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Chatal Gauge Station : G (Mohishbatan)				Height of BM/TBM : 18.10 m,PWD Date of gauge connection : 19-07-94 Zero value of gauge : 12.96 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
JUN	1						
	2						
	3						
	4						
	5						
	6						
	7						Gauge not installed
	8						
	9						
	10						
	11						
	12						
	13						
	14						DRY
	15						"
	16						"
	17						"
	18						"
	19						"
	20						"
	21	14.92	14.95	14.99	15.01	15.03	
	22	15.09	15.09	15.10	15.12	15.12	
	23	15.12	15.12	15.12	15.11	15.11	
	24	15.12	15.13	15.14	15.13	15.14	
	25	15.16	15.19	15.19	15.21	15.23	
	26	15.34	15.36	15.39	15.39	15.41	
	27	15.45	15.44	15.44	15.43	15.43	
	28	15.39	15.38	15.37	15.36	15.34	
	29	15.31	15.30	15.32	15.32	15.32	
	30	15.30	15.30	15.30	15.31	15.32	
JUL	1	15.45	15.48	15.51	15.56	15.58	
	2	15.56	15.54	15.51	15.49	15.47	
	3	15.36	15.33	15.30	15.27	15.24	
	4	15.16	15.15	15.13	15.12	15.11	
	5	15.10	15.10	15.10	15.10	15.11	
	6	15.12	15.13	15.14	15.14	15.14	
	7	15.17	15.17	15.17	15.17	15.18	
	8	15.19	15.19	15.18	15.17	15.17	
	9	15.12	15.10	15.07	15.05	15.02	
	10	14.98	14.96	14.94	14.92	14.90	
	11	14.89	14.87				DRY
	12						"
	13						"
	14						"
	15						"
	16						"
	17						"
	18						"
	19			13.51	13.49	13.47	
	20	13.42	13.41	13.40	13.39	13.38	
	21	13.39	13.39	13.38	13.37	13.37	
	22	13.53	13.53	13.53	13.54	13.53	
	23	13.47	13.46	13.45	13.44	13.43	
	24	13.43	13.42	13.42	13.42	13.43	
	25	13.43	13.44	13.44	13.45	13.46	
	26	13.48	13.48	13.47	13.46	13.45	
	27	13.44	13.45	13.46	13.48	13.52	
	28	13.67	13.67	13.67	13.67	13.68	
	29	13.68	13.68	13.67	13.66	13.66	
	30	13.67	13.67	13.67	13.66	13.67	
	31	13.78	13.83	13.88	13.92	13.97	
AUG	1	14.17	14.21	14.25	14.28	14.31	
	2	14.40	14.41	14.42	14.43	14.43	
	3	14.43	14.42	14.39	14.37	14.35	
	4	14.29	14.28	14.27	14.25	14.25	
	5	14.23	14.22	14.21	14.20	14.20	
	6	14.17	14.15	14.14	14.13	14.12	
	7	14.08	14.07	14.05	14.04	14.03	
	8	14.06	14.02	14.01	14.00	13.98	
	9	13.94	13.93	13.92	13.91	13.90	
	10	13.88	13.87	13.85	13.84	13.82	
	11	13.82	13.82	13.83	13.84	13.86	
	12	13.93	13.96	13.98	14.00	14.01	
	13	14.05	14.07	14.08	14.09	14.13	
	14	14.17	14.19	14.21	14.24	14.26	
	15	14.50	14.54	14.58	14.62	14.65	
	16	14.83	14.86	14.90	14.94	14.96	
	17	15.08	15.09	15.10	15.11	15.12	
	18	15.12	15.12	15.11	15.09	15.09	
	19	15.06	15.05	15.04	15.03	15.03	
	20	15.02	15.02	15.02	15.02	15.01	
	21	14.99	14.98	14.97	14.95	14.94	
	22	14.85	14.82	14.79	14.77	14.75	
	23	14.64	14.62	14.60	14.59	14.59	
	24	14.59	14.59	14.60	14.61	14.61	

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Chatal Gauge Station : G (Mohishbatan)			Height of BM/TBM : 18.10 m,PWD Date of gauge connection : 19-07-94 Zero value of gauge : 12.96 m,PWD			
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
	25	14.62	14.61	14.60	14.59	14.59	
	26	14.60	14.60	14.60	14.61	14.62	
	27	14.62	14.61	14.60	14.59	14.59	
	28	14.55	14.53	14.51	14.49	14.48	
	29	14.45	14.44	14.43	14.42	14.42	
	30	14.42	14.42	14.41	14.40	14.40	
	31	14.38	14.37	14.37	14.36	14.35	
SEP	1	14.31	14.29	14.27	14.25	14.22	
	2	14.11	14.08	14.05	14.03	14.00	
	3	13.93	13.91	13.89	13.86	13.85	
	4	13.78	13.75	13.72	13.70	13.68	
	5	13.60	13.58	13.56	13.54	13.53	
	6	13.48	13.47	13.46	13.44	13.43	
	7	13.41	13.39	13.38	13.38	13.38	
	8	13.38	13.37	13.37	13.36	13.35	
	9	13.38	13.39	13.44	13.44	13.43	
	10	13.39	13.38	13.37	13.36	13.36	
	11	13.37	13.37	13.36	13.35	13.35	
	12	13.37	13.37	13.37	13.37	13.37	
	13	13.37	13.37	13.37	13.37	13.37	
	14	13.43	13.42	13.41	13.40	13.40	
	15	13.40	13.40	13.40	13.39	13.39	
	16	13.41	13.42	13.43	13.43	13.44	
	17	13.46	13.47	13.46	13.46	13.45	
	18	13.45	13.45	13.44	13.43	13.43	
	19	13.44	13.43	13.43	13.47	13.49	
	20	13.52	13.56	13.58	13.58	13.56	
	21	13.61	13.64	13.66	13.68	13.71	
	22	13.80	13.81	13.81	13.81	13.81	
	23	13.78	13.78	13.77	13.77	13.78	
	24	13.74	13.74	13.73	13.73	13.73	
	25	13.72	13.72	13.72	13.72	13.72	
	26	13.70	13.70	13.70	13.70	13.69	
	27	13.68	13.68	13.67	13.66	13.66	
	28	13.64	13.63	13.62	13.60	13.59	
	29	13.56	13.54	13.52	13.51	13.48	
	30	13.44	13.42	13.41	13.40	13.39	
OCT	1	13.36	13.35	13.35	13.34	13.34	
	2	13.34	13.34	13.33	13.33	13.32	
	3	13.32	13.33	13.33	13.33	13.32	
	4	13.41	13.40	13.39	13.37	13.35	
	5	13.34	13.34	13.34	13.34	13.34	
	6	13.41	13.41	13.40	13.40	13.40	
	7	13.38	13.37	13.37	13.37	13.37	
	8	13.38	13.38	13.38	13.38	13.38	
	9	13.41	13.40	13.40	13.45	13.48	
	10	13.56	13.56	13.54	13.53	13.51	
	11	13.49	13.49	13.49	13.49	13.48	
	12	13.48	13.48	13.48	13.47	13.47	
	13	13.46	13.46	13.46	13.46	13.46	
	14	13.45	13.45	13.45	13.45	13.45	
	15	13.44	13.44	13.44	13.44	13.44	
	16	13.43	13.43	13.43	13.43	13.43	
	17	13.43	13.43	13.43	13.43	13.43	
	18	13.42	13.42	13.42	13.42	13.42	
	19	13.42	13.42	13.42	13.42	13.42	
	20	13.42	13.42	13.42	13.42	13.42	
	21	13.42	13.42	13.42	13.42	13.42	
	22	13.42	13.42	13.43	13.43	13.43	
	23	13.43	13.43	13.43	13.44	13.44	
	24	13.43	13.43	13.43	13.44	13.44	
	25	13.44	13.44	13.44	13.44	13.44	
	26	13.44	13.44	13.45	13.45	13.45	
	27	13.45	13.45	13.45	13.45	13.45	
	28	13.45	13.45	13.45	13.45	13.45	
	29	13.46	13.46	13.46	13.46	13.46	
	30	13.47	13.47	13.47	13.47	13.47	
	31	13.48	13.48	13.48	13.49	13.49	

Note

Zero value of certain gauges were altered due to gauge posts being resited at the same location to accommodate WL fluctuations. These changes are given in Table on page C-2.

Where zero values have been altered, these are not given in WL tables. Only the final value is given in these tables.

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Satkuri Beel Gauge Station : H (Naoghata Bridge)				Height of BM/TBM : 18.01 m,PWD Date of gauge connection : 14-06-94 Zero value of gauge : 14.61 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
JUNE	1						DRY
	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						"
JULY	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						"
AUGUST	1						"
	2						"
	3						"
	4						"
	5						"
	6						"
	7						"
	8						"
	9						"
	10						"
	11						"
	12						"
	13						"
	14						"
	15						"
	16						"
	17						"
	18						"
	19						"
	20						"
	21						"
	22						"
	23						"
	24						"

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WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Satkuri Beel Gauge Station : H (Naoghata Bridge)				Height of BM/TBM : 18.01 m,PWD Date of gauge connection : 14-06-94 Zero value of gauge : 14.61 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
	25						DRY
	26						"
	27						"
	28						"
	29						"
	30						"
	31						"
SEPTEMBER	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						"
OCTOBER	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						"

Note

Zero value of certain gauges were altered due to gauge posts being resited at the same location to accommodate WL fluctuations. These changes are given in Table on page C-2.

Where zero values have been altered, these are not given in WL tables. Only the final value is given in these tables.

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Chatal Gauge Station : I (Char Bhatiani)				Height of BM/TBM : 16.03 m,PWD Date of gauge connection : 14-06-94 Zero value of gauge : 10.99 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
JUN	1						
	2						
	3						
	4						
	5						Gauge not installed
	6						
	7						
	8						
	9						
	10				13.26	13.24	
	11	13.18	13.16	13.14	13.11	13.09	
	12	12.98	12.87				DRY
	13						"
	14						"
	15						"
	16						"
	17						"
	18						"
	19					12.97	
	20	13.07	13.11	13.15	13.19	13.23	
	21	13.39	13.42	13.46	13.50	13.53	
	22	13.64	13.67	13.69	13.70	13.73	
	23	13.77	13.78	13.79	13.79	13.80	
	24	13.82	13.82	13.83	13.83	13.84	
	25	13.85	13.85	13.86	13.86	13.88	
	26	13.94	13.96	13.99	14.00	14.02	
	27	14.07	14.08	14.09	14.10	14.11	
	28	14.10	14.10	14.10	14.10	14.09	
	29	14.07	14.06	14.06	14.06	14.07	
	30	14.06	14.05	14.05	14.04	14.04	
JUL	1	14.08	14.10	14.11	14.14	14.16	
	2	14.21	14.21	14.21	14.20	14.20	
	3	14.14	14.12	14.10	14.08	14.05	
	4	13.98	13.96	13.95	13.94	13.93	
	5	13.90	13.90	13.89	13.89	13.89	
	6	13.90	13.90	13.91	13.91	13.91	
	7	13.94	13.94	13.94	13.95	13.95	
	8	13.97	13.97	13.97	13.97	13.96	
	9	13.95	13.94	13.92	13.90	13.88	
	10	13.84	13.82	13.81	13.79	13.78	
	11	13.76	13.75	13.75	13.74	13.74	
	12	13.72	13.72	13.72	13.72	13.71	
	13	13.69	13.68	13.67	13.66	13.64	
	14	13.59	13.57	13.55	13.52	13.50	
	15	13.43	13.41	13.38	13.36	13.33	
	16	13.25	13.22	13.20	13.18	13.15	
	17	13.08	13.05				DRY
	18						"
	19						"
	20						"
	21						"
	22						"
	23						"
	24						"
	25						"
	26						"
	27						"
	28						"
	29						"
	30						"
	31			13.01			"
AUG	1	13.21	13.24	13.28	13.30	13.33	
	2	13.40	13.42	13.43	13.44	13.46	
	3	13.49	13.49	13.49	13.49	13.49	
	4	13.45	13.43	13.42	13.43	13.43	
	5	13.41	13.42	13.40	13.40	13.39	
	6	13.34	13.34	13.32	13.32	13.30	
	7	13.26	13.25	13.24	13.22	13.22	
	8	13.20	13.19	13.19	13.18	13.18	
	9	13.14	13.13	13.13	13.12	13.12	
	10	13.09	13.08	13.08	13.08	13.08	
	11	13.05	13.05	13.06	13.08	13.09	
	12	13.12	13.14	13.18	13.19	13.20	
	13	13.23	13.24	13.25	13.26	13.26	
	14	13.30	13.30	13.31	13.33	13.36	
	15	13.48	13.52	13.45	13.58	13.62	
	16	13.76	13.80	13.83	13.86	13.90	
	17	14.03	14.05	14.07	14.09	14.11	
	18	14.14	14.15	14.15	14.15	14.15	
	19	14.14	14.14	14.13	14.13	14.13	
	20	14.11	14.10	14.10	14.10	14.10	
	21	14.09	14.09	14.08	14.08	14.08	
	22	14.03	14.00	13.97	13.96	13.94	
	23	13.84	13.82	13.81	13.79	13.79	
	24	13.76	13.76	13.75	13.75	13.75	

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WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Chatal Gauge Station : I (Char Bhatiani)				Height of BM/TBM : 16.03 m,PWD Date of gauge connection : 14-06-94 Zero value of gauge : 10.99 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
	25	13.76	13.76	13.75	13.75	13.75	
	26	13.74	13.74	13.74	13.74	13.74	
	27	13.75	13.75	13.75	13.74	13.74	
	28	13.73	13.72	13.71	13.70	13.68	
	29	13.65	13.64	13.63	13.63	13.62	
	30	13.64	13.63	13.62	13.62	13.61	
	31	13.59	13.58	13.58	13.57	13.56	
SEP	1	13.54	13.52	13.52	13.52	13.50	
	2	13.44	13.42	13.40	13.38	13.36	
	3	13.28	13.26	13.26	13.23	13.26	
	4	13.17	13.15	13.13	13.12	13.11	
	5	13.02	13.01	13.00	12.99	12.98	
	6						
	7				11.60	11.60	
	8	11.55	11.54	11.56	11.55	11.55	
	9	11.55	11.56	11.55	11.54	11.52	
	10	11.50	11.50	11.50	11.55	11.52	
	11	11.52	11.51	11.51	11.50	11.50	
	12	11.50	11.51	11.54	11.54	11.55	
	13	11.56	11.56	11.56	11.57	11.56	
	14	11.59	11.59	11.60	11.60	11.61	
	15	11.62	11.62	11.62	11.62	11.62	
	16	11.66	11.66	11.66	11.67	11.70	
	17	11.72	11.72	11.73	11.73	11.73	
	18	11.72	11.72	11.73	11.72	11.73	
	19	11.72	11.72	11.72	11.73	11.74	
	20	11.76	11.77	11.78	11.86	11.81	
	21	11.85	11.89	11.91	11.92	11.94	
	22	12.02	12.03	12.03	12.03	12.03	
	23	12.01	12.01	12.00	12.00	12.00	
	24	12.00	11.99	11.97	11.97	11.96	
	25	11.96	11.96	11.96	11.96	11.96	
	26	11.95	11.95	11.95	11.95	11.94	
	27	11.93	11.93	11.93	11.93	11.92	
	28	11.91	11.91	11.90	11.90	11.89	
	29	11.86	11.84	11.82	11.82	11.80	
	30	11.74	11.72	11.70	11.69	11.67	
OCT	1	11.60	11.59	11.58	11.57	11.56	
	2	11.52	11.51	11.51	11.50	11.50	
	3	11.52	11.53	11.53	11.52	11.52	
	4	11.54	11.52	11.52	11.52	11.50	
	5	11.50	11.50	11.50	11.50	11.50	
	6	11.60	11.60	11.60	11.59	11.57	
	7	11.51	11.51	11.50	11.50	11.50	
	8	11.50	11.50	11.51	11.50	11.52	
	9	11.51	11.51	11.50	11.51	11.54	
	10	11.55	11.54	11.53	11.53	11.52	
	11	11.51	11.51	11.51	11.51	11.51	
	12	11.52	11.52	11.52	11.52	11.52	
	13	11.52	11.52	11.52	11.52	11.52	
	14	11.52	11.52	11.52	11.52	11.51	
	15	11.51	11.51	11.51	11.51	11.51	
	16	11.50	11.50	11.50	11.50	11.50	
	17	11.51	11.51	11.51	11.51	11.51	
	18	11.51	11.51	11.51	11.51	11.51	
	19	11.51	11.51	11.50	11.50	11.50	
	20	11.50	11.50	11.50	11.50	11.50	
	21	11.50	11.50	11.50	11.50	11.50	
	22	11.50	11.50	11.50	11.50	11.50	
	23	11.50	11.50	11.50	11.50	11.49	
	24	11.50	11.50	11.50	11.50	11.49	
	25	11.49	11.49	11.48	11.48	11.49	
	26	11.49	11.49	11.49	11.49	11.49	
	27	11.50	11.50	11.50	11.49	11.49	
	28	11.49	11.49	11.49	11.48	11.48	
	29	11.48	11.48	11.48	11.48	11.48	
	30	11.48	11.48	11.48	11.47	11.47	
	31	11.49	11.48	11.48	11.48	11.48	

Note

Zero value of certain gauges were altered due to gauge posts being resited at the same location to accommodate WL fluctuations. These changes are given in Table on page C-2.

Where zero values have been altered, these are not given in WL tables. Only the final value is given in these tables.

WATER LEVEL DATA FOR THE YEAR OF 1994

Project : Jamalpur Project
River : Jamuna
Gauge Station : J (Char Jorkhali)

Height of BM/TBM : 17.03 m,PWD
Date of gauge connection : 16-06-94
Zero value of gauge : 12.75 m,PWD

Month	Time / Date	0600 hrs. WL m,PWD	0900 hrs. WL m,PWD	1200 hrs. WL m,PWD	1500 hrs. WL m,PWD	1800 hrs. WL m,PWD	Remarks
JUN	1						
	2						
	3						
	4						
	5						
	6						
	7						Gauge not installed
	8						
	9						
	10						
	11						
	12						
	13						
	14						DRY
	15	14.54	14.53	14.54	14.53	14.52	
	16	14.54	14.54	14.53	14.53	14.54	
	17	14.54	14.54	14.54	14.54	14.55	
	18	14.58	14.60	14.62	14.62	14.64	
	19	14.70	14.72	14.74	14.76	14.80	
	20	14.92	14.95	14.98	15.02	15.06	
	21	15.17	15.19	15.21	15.23	15.24	
	22	15.28	15.28	15.28	15.29	15.29	
	23	15.29	15.28	15.29	15.30	15.29	
	24	15.29	15.30	15.31	15.30	15.30	
	25	15.33	15.33	15.35	15.35	15.38	
	26	15.45	15.45	15.47	15.47	15.48	
	27	15.49	15.48	15.48	15.48	15.47	
	28	15.44	15.44	15.44	15.42	15.43	
	29	15.41	15.41	15.44	15.43	15.42	
	30	15.41	15.42	15.42	15.42	15.44	
JUL	1	15.54	15.56	15.58	15.59	15.58	
	2	15.51	15.51	15.50	15.49	15.48	
	3	15.39	15.37	15.35	15.34	15.34	
	4	15.29	15.29	15.28	15.29	15.29	
	5	15.30	15.30	15.30	15.32	15.32	
	6	15.33	15.33	15.34	15.35	15.35	
	7	15.37	15.38	15.39	15.39	15.40	
	8	15.39	15.39	15.38	15.38	15.38	
	9	15.32	15.29	15.29	15.29	15.28	
	10	15.24	15.22	15.21	15.23	15.23	
	11	15.21	15.20	15.20	15.21	15.22	
	12	15.21	15.20	15.20	15.20	15.20	
	13	15.15	15.13	15.12	15.13	15.13	
	14	15.06	15.05	15.04	15.02	15.02	
	15	14.93	14.92	14.91	14.90	14.90	
	16	14.82	14.79	14.78	14.78	14.78	
	17	14.70	14.67	14.65	14.64	14.63	
	18	14.54	14.51	14.49	14.48	14.46	
	19	14.38	14.35	14.33	14.32	14.32	
	20	14.25	14.23	14.21	14.20	14.20	
	21	14.18	14.18	14.17	14.16	14.16	
	22	14.22	14.25	14.25	14.25	14.24	
	23	14.24	14.24	14.24	14.23	14.24	
	24	14.26	14.27	14.27	14.29	14.30	
	25	14.35	14.35	14.36	14.36	14.36	
	26	14.33	14.33	14.33	14.33	14.32	
	27	14.37	14.40	14.42	14.44	14.46	
	28	14.50	14.50	14.50	14.51	14.51	
	29	14.51	14.50	14.50	14.49	14.50	
	30	14.50	14.50	14.51	14.51	14.53	
	31	14.65	14.68	14.71	14.75	14.80	
AUG	1	14.89	14.91	14.93	14.95	14.96	
	2	14.99	14.99	15.00	15.00	15.01	
	3	14.98	14.96	14.95	14.94	14.93	
	4	14.90	14.89	14.89	14.88	14.88	
	5	14.86	14.85	14.84	14.84	14.85	
	6	14.82	14.81	14.80	14.79	14.79	
	7	14.76	14.75	14.74	14.74	14.74	
	8	14.72	14.72	14.71	14.70	14.71	
	9	14.67	14.67	14.67	14.66	14.66	
	10	14.64	14.62	14.61	14.61	14.60	
	11	14.63	14.63	14.65	14.66	14.68	
	12	14.72	14.74	14.75	14.75	14.76	
	13	14.78	14.79	14.79	14.80	14.82	
	14	14.86	14.88	14.89	14.91	14.96	
	15	15.09	15.10	15.13	15.16	15.19	
	16	15.29	15.31	15.33	15.36	15.38	
	17	15.49	15.45	15.46	15.46	15.46	
	18	15.45	15.43	15.42	15.43	15.43	
	19	15.41	15.40	15.39	15.38	15.38	
	20	15.39	15.39	15.39	15.39	15.39	
	21	15.36	15.34	15.33	15.33	15.30	
	22	15.22	15.19	15.18	15.17	15.16	
	23	15.10	15.09	15.10	15.09	15.09	
	24	15.10	15.11	15.10	15.12	15.13	

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Jamuna Gauge Station : J (Char Jorkhali)				Height of BM/TBM : 17.03 m,PWD Date of gauge connection : 16-06-94 Zero value of gauge : 12.75 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
	25	15.12	15.11	15.11	15.11	15.11	
	26	15.12	15.13	15.14	15.14	15.15	
	27	15.14	15.13	15.13	15.13	15.13	
	28	15.09	15.07	15.06	15.06	15.06	
	29	15.04	15.04	15.03	15.03	15.04	
	30	15.04	15.04	15.03	15.03	15.03	
	31	15.01	15.01	15.01	15.00	14.99	
SEP	1	14.98	14.96	14.94	14.92	14.92	
	2	14.85	14.84	14.82	14.81	14.80	
	3	14.75	14.73	14.72	14.71	14.70	
	4	14.64	14.61	14.60	14.59	14.58	
	5	14.50	14.48	14.47	14.46	14.45	
	6	14.40	14.38	14.37	14.35	14.33	
	7	14.28	14.27	14.26	14.25	14.35	
	8	14.30	14.29	14.28	14.27	14.25	
	9	14.23	14.22	14.24	14.23	14.23	
	10	14.22	14.22	14.22	14.21	14.21	
	11	14.25	14.26	14.29	14.33	14.33	
	12	14.35	14.36	14.36	14.36	14.36	
	13	14.37	14.37	14.38	14.38	14.37	
	14	14.40	14.40	14.41	14.41	14.42	
	15	14.41	14.41	14.42	14.43	14.43	
	16	14.46	14.47	14.49	14.50	14.51	
	17	14.51	14.51	14.51	14.50	14.50	
	18	14.49	14.49	14.48	14.48	14.50	
	19	14.48	14.48	14.49	14.49	14.50	
	20	14.54	14.55	14.56	14.58	14.59	
	21	14.64	14.66	14.68	14.70	14.71	
	22	14.76	14.75	14.75	14.75	14.74	
	23	14.72	14.71	14.71	14.70	14.70	
	24	14.68	14.68	14.68	14.68	14.68	
	25	14.68	14.68	14.68	14.68	14.68	
	26	14.68	14.68	14.68	14.68	14.67	
	27	14.66	14.66	14.66	14.66	14.66	
	28	14.63	14.63	14.62	14.62	14.61	
	29	14.55	14.54	14.53	14.51	14.49	
	30	14.41	14.39	14.38	14.36	14.34	
OCT	1	14.26	14.25	14.24	14.22	14.21	
	2	14.15	14.15	14.14	14.13	14.12	
	3	14.08	14.09	14.10	14.10	14.11	
	4	14.09	14.08	14.06	14.04	14.03	
	5	13.94	13.93	13.93	13.92	13.93	
	6	13.90	13.89	13.89	13.88	13.87	
	7	13.89	13.88	13.88	13.87	13.87	
	8	13.85	13.86	13.86	13.86	13.87	
	9	13.86	13.86	13.86	13.90	13.91	
	10	14.08	14.10	14.11	14.11	14.12	
	11	14.10	14.10	14.10	14.11	14.11	
	12	14.12	14.12	14.13	14.13	14.13	
	13	14.13	14.12	14.12	14.12	14.12	
	14	14.08	14.08	14.08	14.08	14.07	
	15	14.06	14.06	14.06	14.06	14.06	
	16	14.09	14.10	14.10	14.11	14.11	
	17	14.15	14.16	14.17	14.18	14.18	
	18	14.21	14.22	14.22	14.23	14.22	
	19	14.22	14.21	14.20	14.19	14.18	
	20	14.12	14.09	14.08	14.05	14.04	
	21	13.95	13.93	13.92	13.90	13.88	
	22	13.80	13.77	13.77	13.75	13.74	
	23	13.68	13.67	13.64	13.63	13.62	
	24	13.54	13.52	13.51	13.49	13.48	
	25	13.41	13.41	13.41	13.41	13.41	
	26	13.39	13.39	13.39	13.39	13.39	
	27	13.38	13.37	13.36	13.36	13.35	
	28	13.33	13.33	13.33	13.33	13.33	
	29	13.33	13.33	13.32	13.32	13.32	
	30	13.30	13.30	13.30	13.30	13.30	
	31	13.29	13.29	13.29	13.29	13.28	

Note

Zero value of certain gauges were altered due to gauge posts being resited at the same location to accommodate WL fluctuations. These changes are given in Table on page C-2.

Where zero values have been altered, these are not given in WL tables. Only the final value is given in these tables.

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Chatal Gauge Station : K (Helechabari)				Height of BM/TBM : 18.40 m,PWD Date of gauge connection : 17-07-94 Zero value of gauge : 11.13 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
JUN	1						
	2						
	3						
	4						
	5						
	6						
	7						Gauge not installed
	8						
	9						
	10						
	11						
	12						
	13						
	14						DRY
	15						"
	16						"
	17						"
	18						"
	19						"
	20				13.27	13.32	
	21	13.43	13.48	13.50	13.53	13.55	
	22	13.60	13.60	13.61	13.63	13.63	
	23	13.64	13.65	13.65	13.66	13.67	
	24	13.67	13.67	13.68	13.68	13.69	
	25	13.69	13.70	13.71	13.72	13.74	
	26	13.80	13.81	13.83	13.84	13.86	
	27	13.88	13.88	13.88	13.88	13.87	
	28	13.87	13.87	13.87	13.87	13.87	
	29	13.86	13.83	13.84	13.86	13.85	
	30	13.83	13.83	13.83	13.84	13.86	
JUL	1	13.88	13.90	13.91	13.94	13.96	
	2	13.95	13.94	13.93	13.92	13.93	
	3	13.85	13.83	13.81	13.80	13.79	
	4	13.74	13.72	13.72	13.72	13.73	
	5	13.71	13.71	13.71	13.72	13.72	
	6	13.74	13.74	13.74	13.74	13.74	
	7	13.76	13.76	13.77	13.77	13.77	
	8	13.78	13.78	13.78	13.78	13.77	
	9	13.74	13.72	13.71	13.70	13.70	
	10	13.65	13.64	13.63	13.63	13.62	
	11	13.61	13.60	13.60	13.60	13.60	
	12	13.60	13.60	13.60	13.60	13.60	
	13	13.57	13.56	13.55	13.55	13.55	
	14	13.48	13.46	13.47	13.45	13.44	
	15	13.37	13.34	13.33	13.32	13.31	
	16	13.28	13.24	13.21	13.18	13.14	
	17	13.11	13.07	13.04	13.02	13.00	
	18	12.92	12.89	12.87	12.85	12.83	
	19	12.75	12.73	12.70	12.69	12.67	
	20	12.60	12.58	12.57	12.55	12.54	
	21	12.50	12.49	12.48	12.49	12.49	
	22	12.60	12.60	12.60	12.61	12.61	
	23	12.58	12.59	12.58	12.58	12.58	
	24	12.60	12.60	12.61	12.61	12.62	
	25	12.67	12.68	12.70	12.71	12.71	
	26	12.71	12.71	12.71	12.70	12.70	
	27	12.72	12.75	12.76	12.77	12.79	
	28	12.86	12.88	12.89	12.89	12.89	
	29	12.92	12.93	12.92	12.91	12.91	
	30	12.93	12.92	12.92	12.92	12.93	
	31	12.99	13.02	13.06	13.10	13.14	
AUG	1	13.28	13.30	13.33	13.36	13.38	
	2	13.46	13.47	13.47	13.47	13.49	
	3	13.49	13.49	13.49	13.48	13.47	
	4	13.43	13.42	13.41	13.41	13.41	
	5	13.39	13.38	13.37	13.36	13.36	
	6	13.34	13.32	13.30	13.30	13.30	
	7	13.27	13.26	13.24	13.23	13.23	
	8	13.22	13.22	13.21	13.19	13.19	
	9	13.17	13.15	13.15	13.14	13.14	
	10	13.12	13.10	13.10	13.09	13.10	
	11	13.07	13.07	13.09	13.11	13.12	
	12	13.14	13.17	13.19	13.20	13.21	
	13	13.24	13.25	13.27	13.27	13.30	
	14	13.33	13.33	13.34	13.35	13.41	
	15	13.51	13.54	13.56	13.59	13.62	
	16	13.74	13.77	13.80	13.83	13.86	
	17	13.95	13.97	13.99	14.01	14.02	
	18	14.03	14.03	14.03	14.04	14.04	
	19	14.02	14.02	14.00	14.00	14.00	
	20	13.98	13.98	13.98	13.98	13.98	
	21	13.97	13.97	13.97	13.97	13.96	
	22	13.88	13.86	13.85	13.83	13.82	
	23	13.73	13.70	13.70	13.70	13.70	
	24	13.67	13.66	13.66	13.67	13.68	

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WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Chatal Gauge Station : K (Helechabari)				Height of BM/TBM : 18.40 m,PWD Date of gauge connection : 17-07-94 Zero value of gauge : 11.13 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
	25	13.67	13.66	13.66	13.67	13.67	
	26	13.66	13.66	13.66	13.66	13.66	
	27	13.67	13.67	13.67	13.66	13.65	
	28	13.63	13.62	13.61	13.60	13.59	
	29	13.56	13.55	13.55	13.55	13.55	
	30	13.57	13.56	13.55	13.55	13.55	
	31	13.51	13.51	13.51	13.50	13.49	
SEP	1	13.46	13.46	13.46	13.44	13.44	
	2	13.36	13.35	13.33	13.31	13.29	
	3	13.23	13.22	13.20	13.19	13.18	
	4	13.12	13.10	13.08	13.07	13.05	
	5	12.97	12.95	12.94	12.93	12.91	
	6	12.84	12.82	12.81	12.79	12.77	
	7	12.72	12.70	12.69	12.68	12.67	
	8	12.60	12.59	12.58	12.57	12.56	
	9	12.54	12.54	12.54	12.54	12.53	
	10	12.51	12.50	12.50	12.49	12.49	
	11	12.49	12.50	12.51	12.53	12.54	
	12	12.60	12.62	12.62	12.62	12.62	
	13	12.64	12.64	12.65	12.65	12.65	
	14	12.67	12.68	12.68	12.69	12.70	
	15	12.71	12.71	12.72	12.72	12.72	
	16	12.74	12.75	12.75	12.77	12.79	
	17	12.80	12.81	12.81	12.82	12.82	
	18	12.81	12.81	12.80	12.80	12.83	
	19	12.80	12.80	12.81	12.81	12.82	
	20	12.84	12.86	12.87	12.90	12.91	
	21	12.96	12.97	12.99	13.01	13.02	
	22	13.11	13.12	13.11	13.11	13.11	
	23	13.10	13.11	13.10	13.09	13.09	
	24	13.07	13.06	13.05	13.04	13.04	
	25	13.04	13.04	13.04	13.03	13.03	
	26	13.03	13.03	13.03	13.02	13.02	
	27	13.02	13.01	13.04	13.00	13.00	
	28	12.98	12.97	12.97	12.97	12.95	
	29	12.91	12.90	12.88	12.86	12.85	
	30	12.77	12.75	12.72	12.71	12.69	
OCT	1	12.61	12.59	12.58	12.56	12.54	
	2	12.47	12.46	12.44	12.43	12.41	
	3	12.36	12.35	12.35	12.35	12.36	
	4	12.37	12.36	12.35	12.34	12.33	
	5	12.23	12.22	12.20	12.19	12.18	
	6	12.17	12.17	12.16	12.16	12.15	
	7	12.13	12.13	12.13	12.12	12.12	
	8	12.10	12.10	12.09	12.09	12.09	
	9	12.10	12.10	12.11	12.12	12.13	
	10	12.27	12.28	12.29	12.30	12.34	
	11	12.38	12.38	12.38	12.38	12.37	
	12	12.39	12.40	12.40	12.40	12.39	
	13	12.39	12.39	12.39	12.38	12.38	
	14	12.35	12.35	12.34	12.33	12.32	
	15	12.30	12.30	12.31	12.31	12.30	
	16	12.30	12.30	12.31	12.31	12.32	
	17	12.34	12.35	12.36	12.37	12.37	
	18	12.40	12.41	12.42	12.42	12.43	
	19	12.43	12.43	12.42	12.41	12.41	
	20	12.36	12.34	12.32	12.30	12.29	
	21	12.20	12.18	12.15	12.13	12.11	
	22	12.03	12.01	11.97	11.96	11.94	
	23	11.87	11.85	11.83	11.82	11.79	
	24	11.73	11.72	11.69	11.67	11.64	
	25	11.57	11.55	11.51	11.49	11.45	
	26	11.38	11.35	11.34	11.33	11.32	
	27	11.28	11.27	11.26	11.26	11.25	
	28	11.23	11.21	11.18	11.17	11.16	
	29						
	30						
	31						

Note

Zero value of certain gauges were altered due to gauge posts being resited at the same location to accommodate WL fluctuations. These changes are given in Table on page C-2.

Where zero values have been altered, these are not given in WL tables. Only the final value is given in these tables.

WATER LEVEL DATA FOR THE YEAR OF 1994

Project : Jamalpur Project
River : Jhenai
Gauge Station : L (Bausi Rly. Bridge)

Height of BM/TBM : 19.79 m,PWD
Date of gauge connection : 20-07-94
Zero value of gauge : 11.44 m,PWD

Month	Time / Date	0600 hrs. WL m,PWD	0900 hrs. WL m,PWD	1200 hrs. WL m,PWD	1500 hrs. WL m,PWD	1800 hrs. WL m,PWD	Remarks
JUN	1						
	2						
	3						
	4						Gauge not installed
	5						
	6						
	7						
	8						
	9			13.38	13.37	13.36	
	10	13.32	13.30	13.28	13.25	13.25	
	11	13.20	13.18	13.17	13.15	13.13	
	12	13.04	13.02	13.01	12.99	12.99	
	13	12.95	12.94	12.93	12.91	12.90	
	14	12.87					DRY
	15						"
	16						"
	17						"
	18						"
	19		12.87	12.89	12.90	12.93	
	20	13.03	13.06	13.09	13.11	13.15	
	21	13.27	13.30	13.34	13.35	13.38	
	22	13.44	13.45	13.47	13.48	13.49	
	23	13.51	13.51	13.52	13.52	13.53	
	24	13.53	13.53	13.54	13.54	13.54	
	25	13.55	13.56	13.57	13.57	13.59	
	26	13.64	13.66	13.67	13.68	13.70	
	27	13.73	13.73	13.73	13.73	13.73	
	28	13.73	13.73	13.74	13.73	13.73	
	29	13.71	13.70	13.72	13.72	13.71	
	30	13.70	13.70	13.71	13.69	13.69	
JUL	1	13.74	13.76	13.77	13.80	13.81	
	2	13.83	13.82	13.82	13.81	13.82	
	3	13.75	13.73	13.72	13.71	13.69	
	4	13.64	13.63	13.63	13.62	13.61	
	5	13.60	13.58	13.58	13.59	13.59	
	6	13.61	13.61	13.61	13.61	13.61	
	7	13.62	13.62	13.62	13.63	13.63	
	8	13.64	13.64	13.64	13.64	13.64	
	9	13.61	13.60	13.59	13.58	13.57	
	10	13.53	13.52	13.51	13.51	13.50	
	11	13.48	13.47	13.47	13.47	13.47	
	12	13.46	13.46	13.46	13.46	13.46	
	13	13.42	13.42	13.41	13.41	13.41	
	14	13.35	13.34	13.33	13.31	13.31	
	15	13.23	13.24	13.21	13.19	13.18	
	16	13.11	13.09	13.07	13.06	13.04	
	17	12.98	12.96	12.94	12.92	12.91	
	18	12.81	12.80	12.78	12.76	12.74	
	19	12.65	12.63	12.61	12.61	12.59	
	20	12.52	12.50	12.49	12.47	12.46	
	21	12.43	12.42	12.40	12.40	12.41	
	22	12.49	12.50	12.50	12.52	12.53	
	23	12.51	12.50	12.50	12.49	12.49	
	24	12.52	12.52	12.52	12.52	12.53	
	25	12.58	12.59	12.60	12.61	12.61	
	26	12.61	12.61	12.61	12.61	12.60	
	27	12.65	12.66	12.66	12.67	12.69	
	28	12.75	12.76	12.77	12.78	12.78	
	29	12.81	12.82	12.81	12.81	12.80	
	30	12.81	12.81	12.81	12.81	12.81	
	31	12.87	12.89	12.92	12.96	13.00	
AUG	1	13.12	13.15	13.18	13.21	13.23	
	2	13.30	13.31	13.32	13.32	13.34	
	3	13.34	13.34	13.34	13.33	13.32	
	4	13.29	13.28	13.27	13.27	13.28	
	5	13.25	13.25	13.24	13.23	13.23	
	6	13.20	13.19	13.18	13.18	13.17	
	7	13.13	13.13	13.12	13.10	13.10	
	8	13.09	13.08	13.07	13.06	13.06	
	9	13.03	13.02	13.02	13.01	13.01	
	10	12.99	12.98	12.97	12.96	12.97	
	11	12.95	12.95	12.96	12.97	12.98	
	12	13.01	13.03	13.06	13.06	13.07	
	13	13.08	13.11	13.13	13.13	13.14	
	14	13.20	13.21	13.23	13.25	13.27	
	15	13.35	13.37	13.40	13.42	13.46	
	16	13.57	13.60	13.62	13.65	13.68	
	17	13.79	13.80	13.82	13.83	13.85	
	18	13.86	13.86	13.87	13.87	13.87	
	19	13.86	13.86	13.85	13.85	13.85	
	20	13.83	13.83	13.83	13.83	13.83	
	21	13.82	13.82	13.82	13.82	13.83	
	22	13.75	13.73	13.72	13.70	13.68	
	23	13.59	13.57	13.56	13.55	13.55	
	24	13.53	13.53	13.52	13.52	13.51	

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WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Jhenai Gauge Station : L (Bausi Rly. Bridge)			Height of BM/TBM : 19.79 m,PWD Date of gauge connection : 20-07-94 Zero value of gauge : 11.44 m,PWD			
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
	25	13.51	13.51	13.52	13.52	13.52	
	26	13.51	13.51	13.51	13.51	13.52	
	27	13.52	13.52	13.52	13.52	13.51	
	28	13.48	13.48	13.47	13.47	13.46	
	29	13.42	13.41	13.41	13.40	13.40	
	30	13.40	13.40	13.40	13.40	13.40	
	31	13.38	13.38	13.38	13.37	13.37	
SEP	1	13.33	13.32	13.31	13.31	13.30	
	2	13.24	13.22	13.21	13.19	13.16	
	3	13.10	13.09	13.08	13.06	13.05	
	4	13.00	12.99	12.97	12.95	12.95	
	5	12.86	12.85	12.83	12.82	12.80	
	6	12.74	12.72	12.71	12.70	12.68	
	7	12.62	12.61	12.60	12.59	12.58	
	8	12.53	12.51	12.50	12.49	12.49	
	9	12.48	12.48	12.47	12.47	12.46	
	10	12.45	12.43	12.42	12.42	12.42	
	11	12.42	12.42	12.43	12.45	12.46	
	12	12.51	12.52	12.53	12.53	12.54	
	13	12.55	12.55	12.55	12.55	12.55	
	14	12.57	12.57	12.57	12.58	12.59	
	15	12.61	12.61	12.61	12.61	12.62	
	16	12.64	12.64	12.65	12.66	12.67	
	17	12.68	12.68	12.69	12.69	12.69	
	18	12.70	12.70	12.70	12.70	12.70	
	19	12.70	12.70	12.76	12.71	12.71	
	20	12.75	12.76	12.76	12.77	12.77	
	21	12.85	12.86	12.87	12.89	12.89	
	22	12.97	12.98	12.99	13.00	13.00	
	23	12.98	12.98	12.97	12.97	12.96	
	24	12.95	12.95	12.95	12.94	12.94	
	25	12.93	12.92	12.92	12.92	12.92	
	26	12.91	12.91	12.91	12.91	12.91	
	27	12.89	12.89	12.88	12.88	12.88	
	28	12.86	12.86	12.85	12.85	12.85	
	29	12.80	12.79	12.78	12.77	12.76	
	30	12.68	12.66	12.64	12.63	12.61	
OCT	1	12.51	12.50	12.49	12.47	12.47	
	2	12.40	12.39	12.37	12.35	12.34	
	3	12.28	12.27	12.27	12.28	12.28	
	4	12.30	12.29	12.28	12.27	12.27	
	5	12.18	12.19	12.19	12.20	12.20	
	6	12.15	12.14	12.13	12.13	12.12	
	7	12.09	12.09	12.09	12.08	12.07	
	8	12.06	12.06	12.06	12.06	12.04	
	9	12.04	12.02	12.00	11.99	11.97	
	10	12.24	12.26	12.28	12.29	12.30	
	11	12.35	12.36	12.37	12.37	12.38	
	12	12.38	12.38	12.38	12.38	12.38	
	13	12.37	12.37	12.37	12.36	12.36	
	14	12.33	12.33	12.32	12.31	12.31	
	15	12.29	12.29	12.28	12.27	12.27	
	16	12.27	12.27	12.27	12.28	12.28	
	17	12.30	12.30	12.31	12.31	12.32	
	18	12.35	12.35	12.35	12.36	12.37	
	19	12.37	12.37	12.37	12.36	12.35	
	20	12.31	12.31	12.29	12.27	12.25	
	21	12.15	12.14	12.12	12.10	12.09	
	22	12.01	11.99	11.97	11.96	11.95	
	23	11.87	11.86	11.84	11.82	11.81	
	24	11.72	11.71	11.64	11.67	11.65	
	25	11.58	11.57	11.55	11.52		
	26						
	27						
	28						
	29						
	30						
	31						

Note

Zero value of certain gauges were altered due to gauge posts being resited at the same location to accommodate WL fluctuations. These changes are given in Table on page C-2.

Where zero values have been altered, these are not given in WL tables. Only the final value is given in these tables.

WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Jhenai Gauge Station : M (Jhenai Rly. Bridge)				Height of BM/TBM : 20.38 m,PWD Date of gauge connection : 02-08-94 Zero value of gauge : 12.04 m,PWD		
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
JUN	1						
	2						
	3						
	4						
	5						
	6						Gauge not installed
	7						
	8						
	9						
	10						
	11						
	12						
	13	14.40	14.49	14.49	14.47	14.46	
	14	14.40	14.39	14.39	14.37	14.36	
	15	14.31	14.30	14.30	14.30	14.28	
	16	14.26	14.25	14.26	14.25	14.24	
	17	14.24	14.24	14.25	14.24	14.24	
	18	14.25	14.25	14.26	14.27	14.29	
	19	14.34	14.35	14.37	14.38	14.40	
	20	14.54	14.56	14.61	14.62	14.66	
	21	14.79	14.81	14.85	14.86	14.89	
	22	14.96	14.98	15.00	15.00	15.01	
	23	15.04	15.04	15.06	15.05	15.06	
	24	15.06	15.06	15.07	15.07	15.08	
	25	15.09	15.10	15.12	15.11	15.11	
	26	15.17	15.18	15.20	15.20	15.21	
	27	15.25	15.26	15.27	15.26	15.26	
	28	15.26	15.26	15.26	15.24	15.23	
	29	15.21	15.21	15.21	15.20	15.20	
	30	15.20	15.20	15.21	15.20	15.19	
JUL	1	15.24	15.25	15.27	15.28	15.29	
	2	15.32	15.32	15.32	15.31	15.31	
	3	15.27	15.26	15.23	15.22	15.21	
	4	15.16	15.15	15.14	15.13	15.12	
	5	15.10	15.08	15.08	15.08	15.08	
	6	15.08	15.10	15.10	15.10	15.10	
	7	15.11	15.10	15.10	15.10	15.10	
	8	15.10	15.10	15.10	15.10	15.09	
	9	15.07	15.07	15.06	15.05	15.03	
	10	14.99	14.97	14.96	14.95	14.94	
	11	14.91	14.91	14.91	14.89	14.89	
	12	14.87	14.87	14.86	14.85	14.85	
	13	14.84	14.82	14.80	14.79	14.78	
	14	14.73	14.72	14.69	14.67	14.66	
	15	14.58	14.57	14.55	14.56	14.54	
	16	14.56	14.54	14.53	14.52	14.51	
	17	14.50	14.50	14.50	14.50	14.49	
	18			14.28			DRY
	19	14.07	14.00	13.97	13.91	13.88	
	20	13.80	13.78	13.76	13.74	13.73	
	21	13.70	13.70	13.69	13.69	13.68	
	22	13.74	13.76	13.76	13.78	13.78	
	23	13.75	13.75	13.74	13.74	13.75	
	24	13.76	13.77	13.78	13.79	13.81	
	25	13.90	13.92	13.93	13.94	13.95	
	26	13.94	13.94	13.94	13.94	13.93	
	27	13.99	14.00	14.02	14.03	14.04	
	28	14.11	14.12	14.12	14.12	14.13	
	29	14.14	14.14	14.14	14.13	14.13	
	30	14.14	14.14	14.13	14.13	14.13	
	31	14.23	14.24	14.27	14.29	14.31	
AUG	1	14.39	14.42	14.43	14.44	14.47	
	2	14.52	14.54	14.55	14.55	14.53	
	3	14.54	14.54	14.53	14.52	14.51	
	4	14.47	14.46	14.45	14.44	14.45	
	5	14.44	14.43	14.42	14.42	14.41	
	6	14.40	14.39	14.39	14.38	14.37	
	7	14.35	14.34	14.33	14.32	14.31	
	8	14.29	14.29	14.29	14.29	14.28	
	9	14.25	14.25	14.25	14.24	14.24	
	10	14.21	14.21	14.20	14.19	14.19	
	11	14.18	14.17	14.17	14.18	14.19	
	12	14.25	14.26	14.27	14.27	14.27	
	13	14.30	14.31	14.31	14.32	14.34	
	14	14.37	14.38	14.39	14.41	14.41	
	15	14.62	14.64	14.65	14.66	14.69	
	16	14.78	14.79	14.82	14.84	14.86	
	17	14.95	14.95	14.96	14.97	14.99	
	18	15.01	15.01	15.01	15.01	15.01	
	19	15.00	15.00	15.00	14.99	14.98	
	20	14.98	14.98	14.97	14.97	14.97	
	21	14.96	14.96	14.95	14.95	14.95	
	22	14.90	14.90	14.87	14.86	14.84	
	23	14.77	14.76	14.75	14.73	14.72	
	24	14.73	14.73	14.73	14.73	14.73	

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WATER LEVEL DATA FOR THE YEAR OF 1994

Month	Project : Jamalpur Project River : Jhenai Gauge Station : M (Jhenai Rly. Bridge)			Height of BM/TBM : 20.38 m,PWD Date of gauge connection : 02-08-94 Zero value of gauge : 12.04 m,PWD			
	Time	0600 hrs.	0900 hrs.	1200 hrs.	1500 hrs.	1800 hrs.	Remarks
	Date	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	WL m,PWD	
	25	14.74	14.74	14.74	14.73	14.73	
	26	14.72	14.72	14.72	14.72	14.72	
	27	14.73	14.73	14.73	14.73	14.73	
	28	14.71	14.71	14.70	14.68	14.68	
	29	14.66	14.66	14.65	14.64	14.64	
	30	14.64	14.64	14.63	14.63	14.63	
	31	14.62	14.62	14.61	14.61	14.60	
SEP	1	14.65	14.65	14.63	14.62	14.61	
	2	14.56	14.55	14.54	14.53	14.45	
	3	14.39	14.39	14.38	14.37	14.36	
	4	14.30	14.30	14.28	14.26	14.25	
	5	14.19	14.17	14.15	14.14	14.12	
	6	14.06	14.05	14.04	14.02	14.01	
	7	13.97	13.96	13.95	13.94	13.93	
	8	13.89	13.88	13.87	13.86	13.84	
	9	13.84	13.84	13.84	13.84	13.84	
	10	13.82	13.82	13.81	13.81	13.80	
	11	13.81	13.81	13.83	13.84	13.85	
	12	13.90	13.91	13.92	13.93	13.93	
	13	13.93	13.93	13.95	13.95	13.95	
	14	13.99	13.99	14.00	14.01	14.01	
	15	14.01	14.01	14.01	14.01	14.01	
	16	14.04	14.04	14.05	14.06	14.06	
	17	14.10	14.10	14.09	14.08	14.08	
	18	14.07	14.07	14.06	14.05	14.04	
	19	14.06	14.06	14.07	14.08	14.09	
	20	14.15	14.16	14.17	14.19	14.20	
	21	14.24	14.25	14.26	14.28	14.29	
	22	14.34	14.35	14.36	14.36	14.35	
	23	14.34	14.34	14.34	14.34	14.34	
	24	14.34	14.35	14.34	14.33	14.32	
	25	14.31	14.31	14.31	14.31	14.30	
	26	14.29	14.29	14.28	14.28	14.28	
	27	14.27	14.27	14.25	14.25	14.24	
	28	14.23	14.23	14.21	14.20	14.20	
	29	14.17	14.17	14.15	14.13	14.12	
	30	14.04	14.03	14.01	14.00	13.99	
OCT	1	13.90	13.89	13.87	13.84	13.83	
	2	13.77	13.76	13.75	13.78	13.73	
	3	13.68	13.71	13.73	13.75	13.76	
	4	13.74	13.73	13.71	13.69	13.68	
	5	13.59	13.58	13.56	13.55	13.54	
	6	13.52	13.52	13.51	13.51	13.51	
	7	13.51	13.51	13.52	13.52	13.52	
	8	13.51	13.51	13.51	13.52	13.52	
	9	13.56	13.56	13.56	13.62	13.65	
	10	13.78	13.81	13.86	13.88	13.91	
	11	13.94	13.94	13.93	13.92	13.92	
	12	13.91	13.91	13.90	13.91	13.90	
	13	13.89	13.88	13.88	13.88	13.87	
	14	13.84	13.83	13.82	13.81	13.81	
	15	13.78	13.78	13.78	13.77	13.70	
	16	13.77	13.77	13.77	13.77	13.78	
	17	13.80	13.81	13.81	13.82	13.82	
	18	13.84	13.84	13.85	13.85	13.85	
	19	13.85	13.84	13.84	13.83	13.83	
	20	13.78	13.76	13.74	13.73	13.71	
	21	13.63	13.61	13.59	13.57	13.56	
	22	13.48	13.47	13.46	13.45	13.43	
	23	13.36	13.35	13.33	13.32	13.30	
	24	13.23	13.21	13.19	13.17	13.15	
	25	13.07	13.05	13.03	13.01	13.00	
	26	12.94	12.93	12.90	12.88	12.85	
	27	12.78	12.77	12.75	12.74	12.73	
	28	12.67	12.66	12.65	12.63	12.62	
	29	12.58	12.57	12.56	12.55	12.54	
	30	12.50	12.50	12.48	12.47	12.46	
	31	12.42	12.41	12.40	12.39	12.38	

Note

Zero value of certain gauges were altered due to gauge posts being resited at the same location to accommodate WL fluctuations. These changes are given in Table on page C-2.

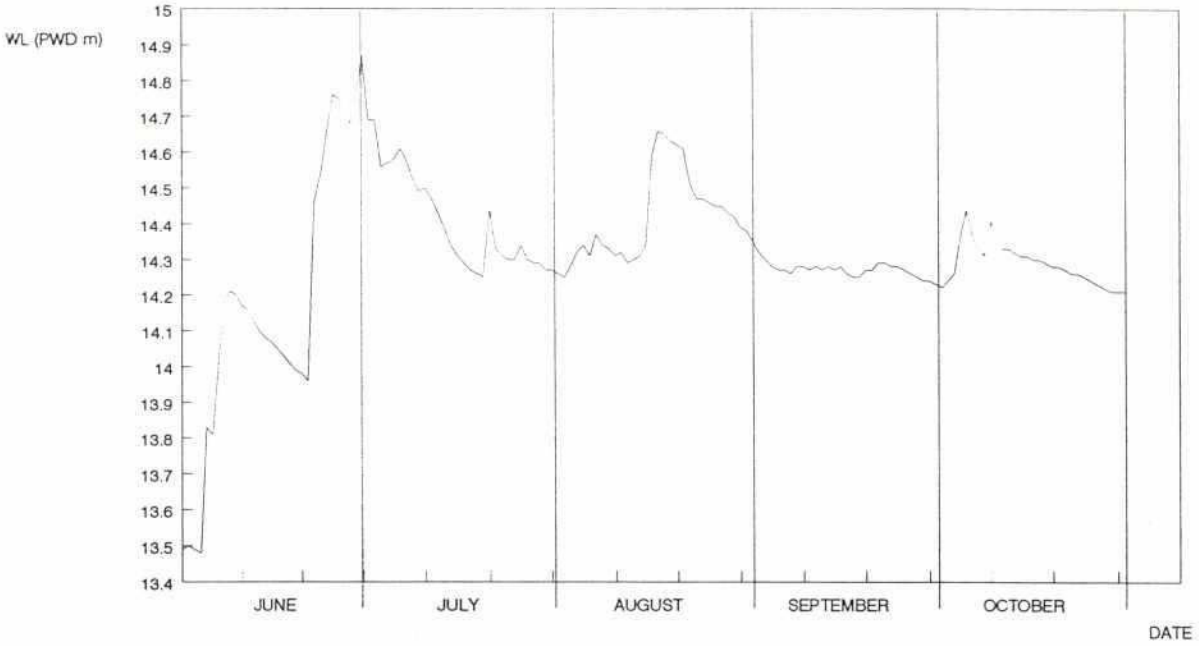
Where zero values have been altered, these are not given in WL tables. Only the final value is given in these tables.

APPENDIX - C 2

WATER LEVEL HYDROGRAPHS

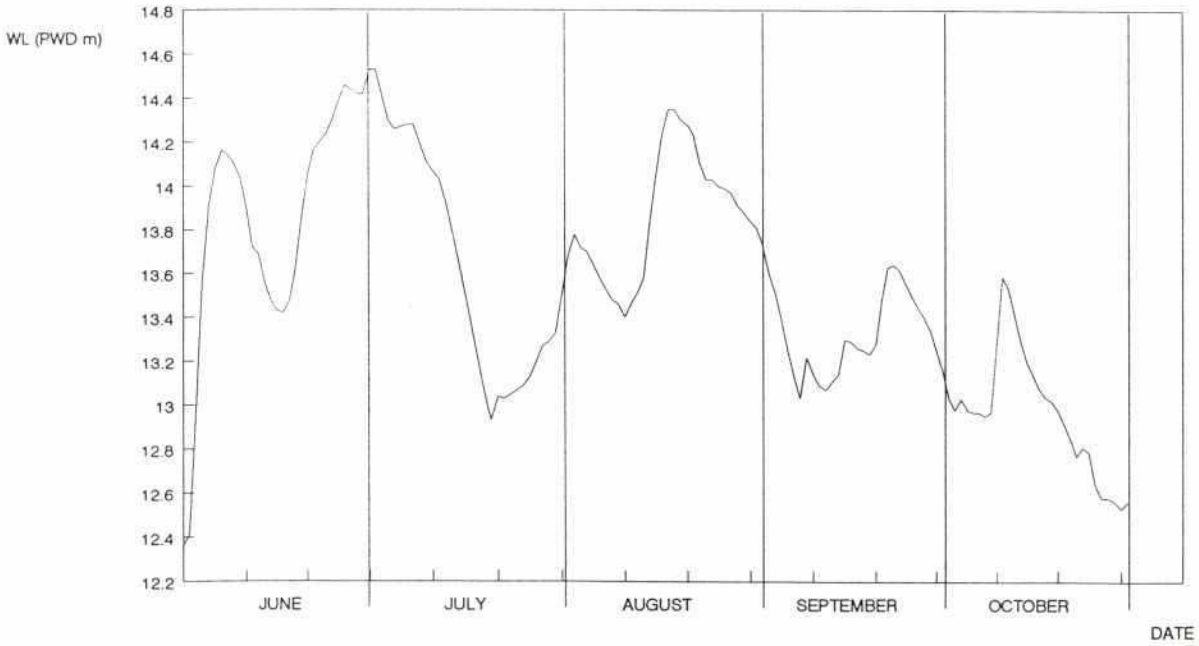
WATER LEVEL HYDROGRAPH

GAUGE 1 – 1994



WATER LEVEL HYDROGRAPH

GAUGE 2 – 1994



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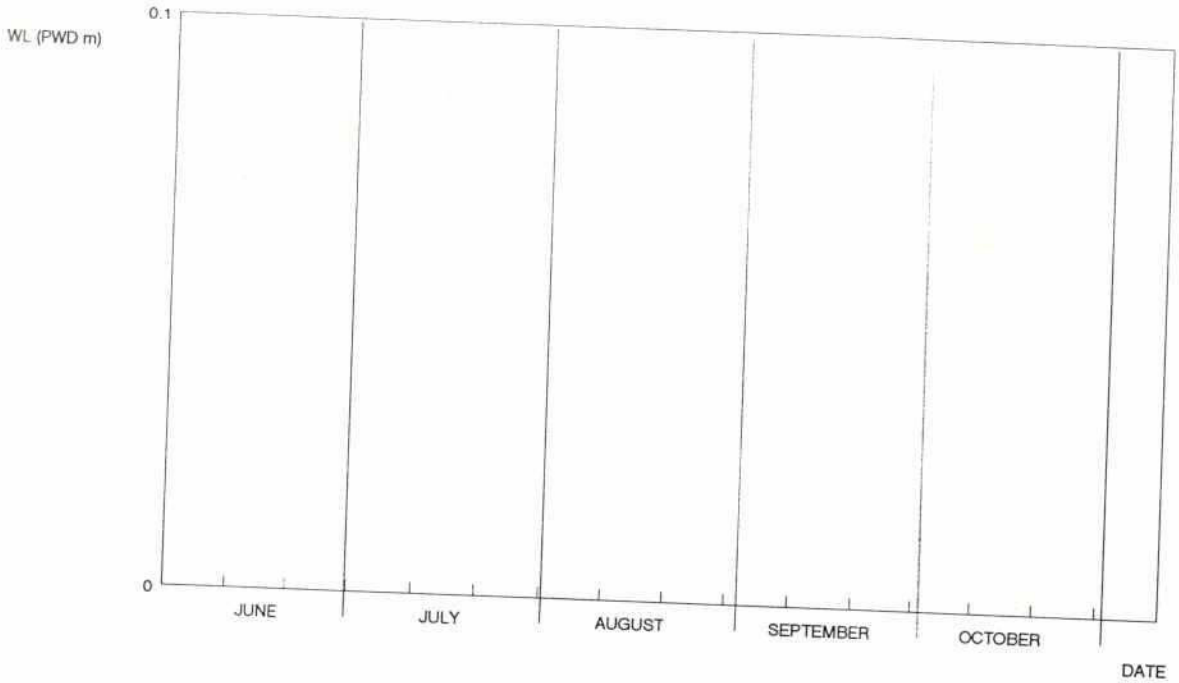
WATER LEVEL HYDROGRAPH

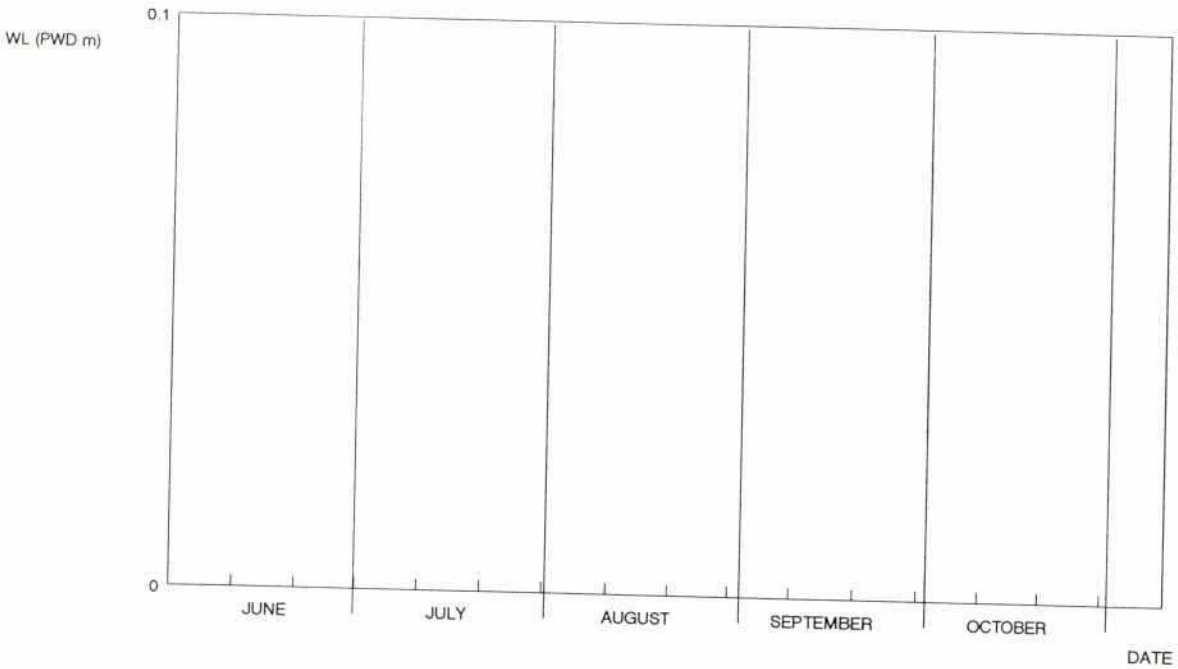
GAUGE 3 – 1994



Note: Gauge Dry

WATER LEVEL HYDROGRAPH

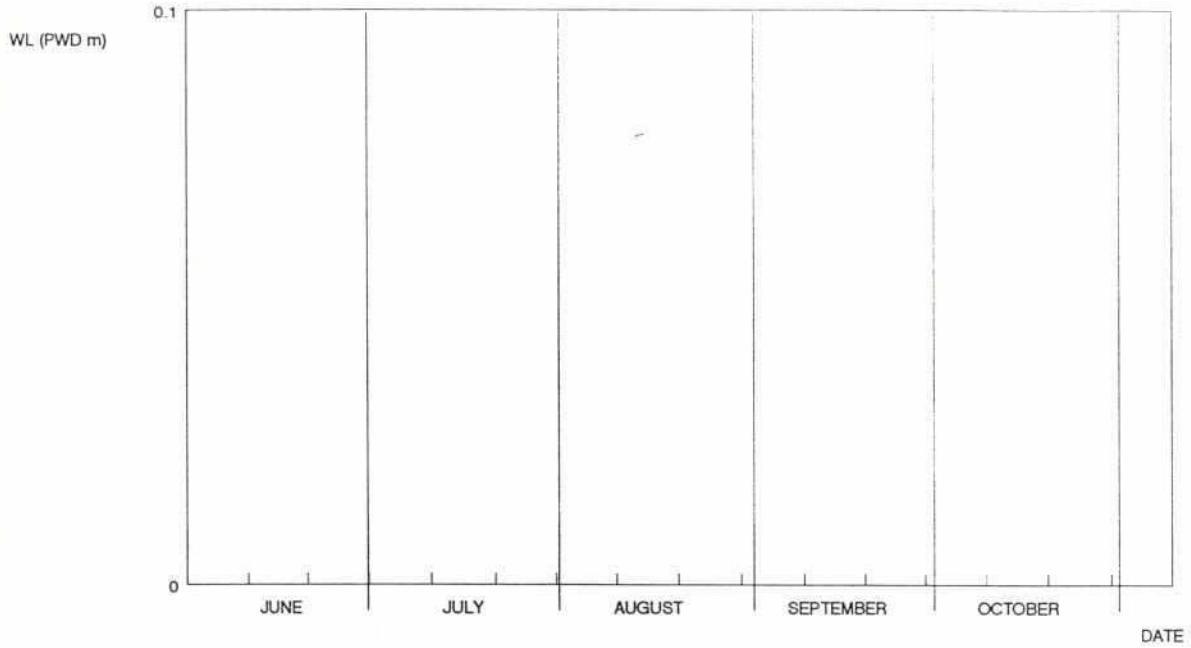
GAUGE 4 – 1994



Note: Gauge Dry

WATER LEVEL HYDROGRAPH

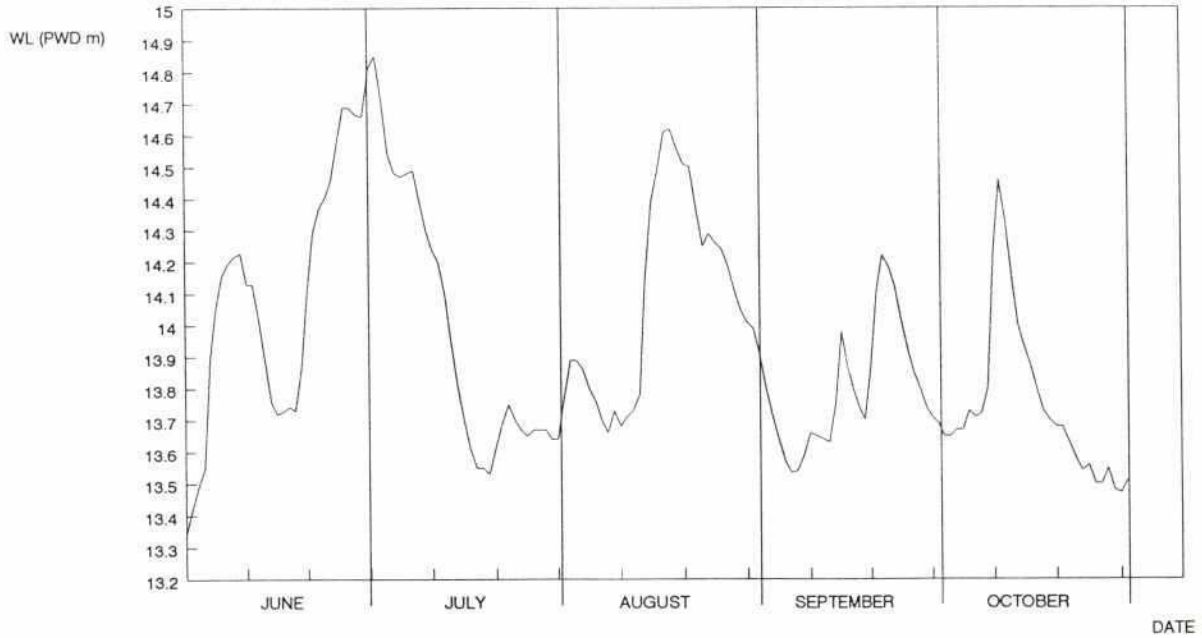
GAUGE 5 – 1994



Note: Gauge Dry

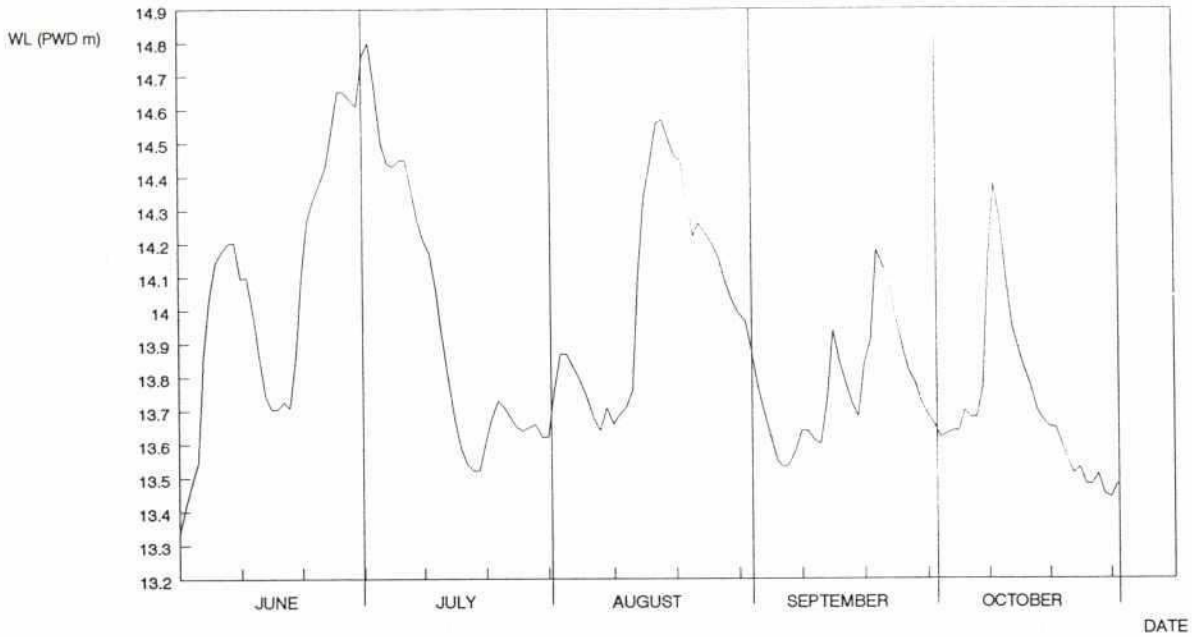
WATER LEVEL HYDROGRAPH

GAUGE 6 – 1994



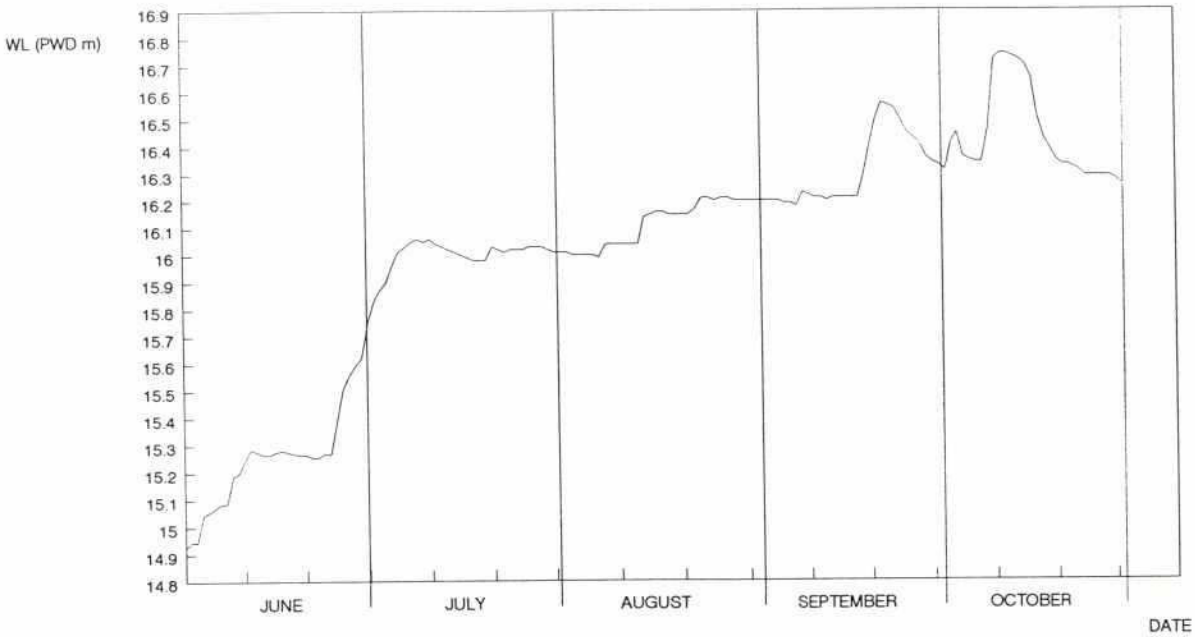
WATER LEVEL HYDROGRAPH

GAUGE 7 – 1994



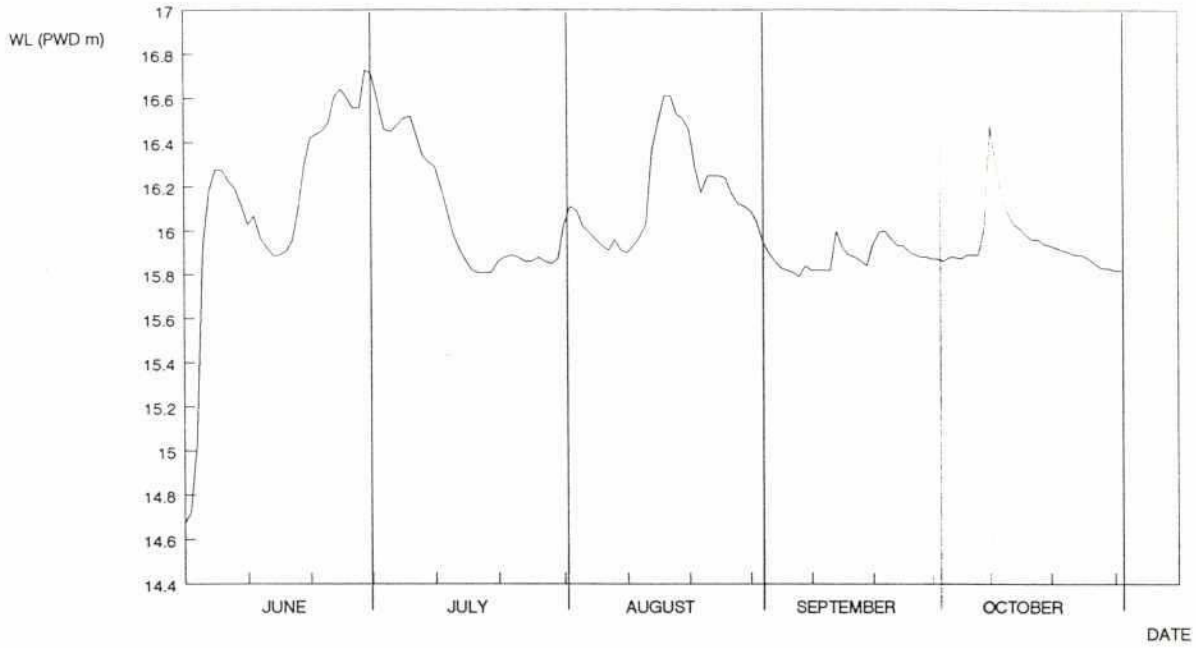
WATER LEVEL HYDROGRAPH

GAUGE 8 – 1994



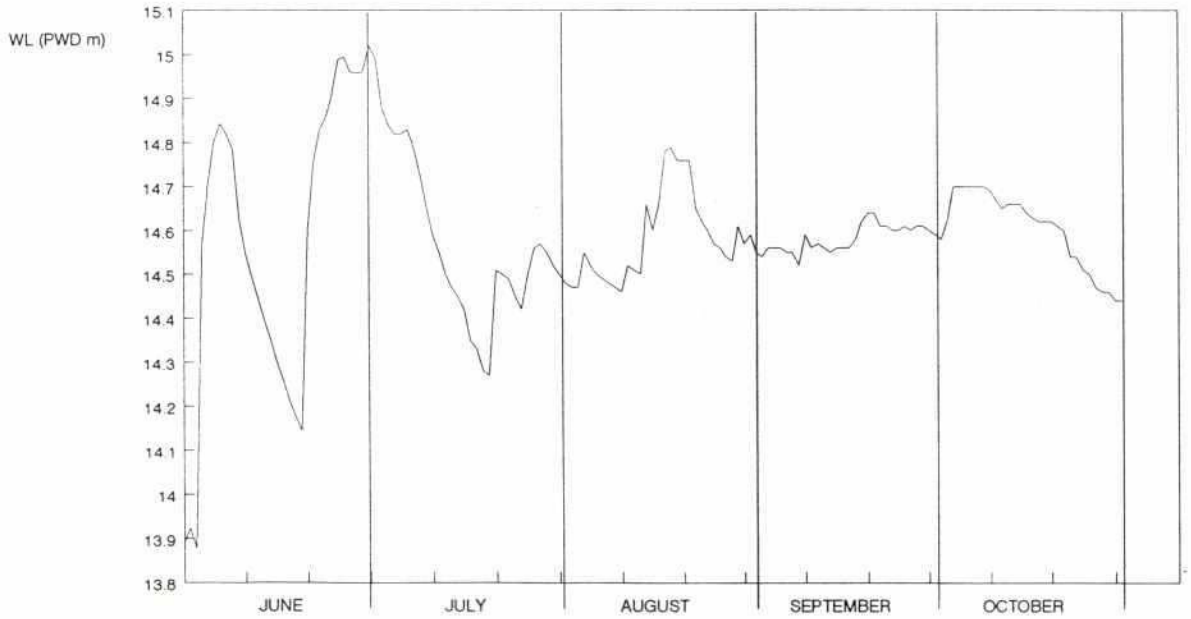
WATER LEVEL HYDROGRAPH

GAUGE 9 – 1994



WATER LEVEL HYDROGRAPH

GAUGE 10 – 1994



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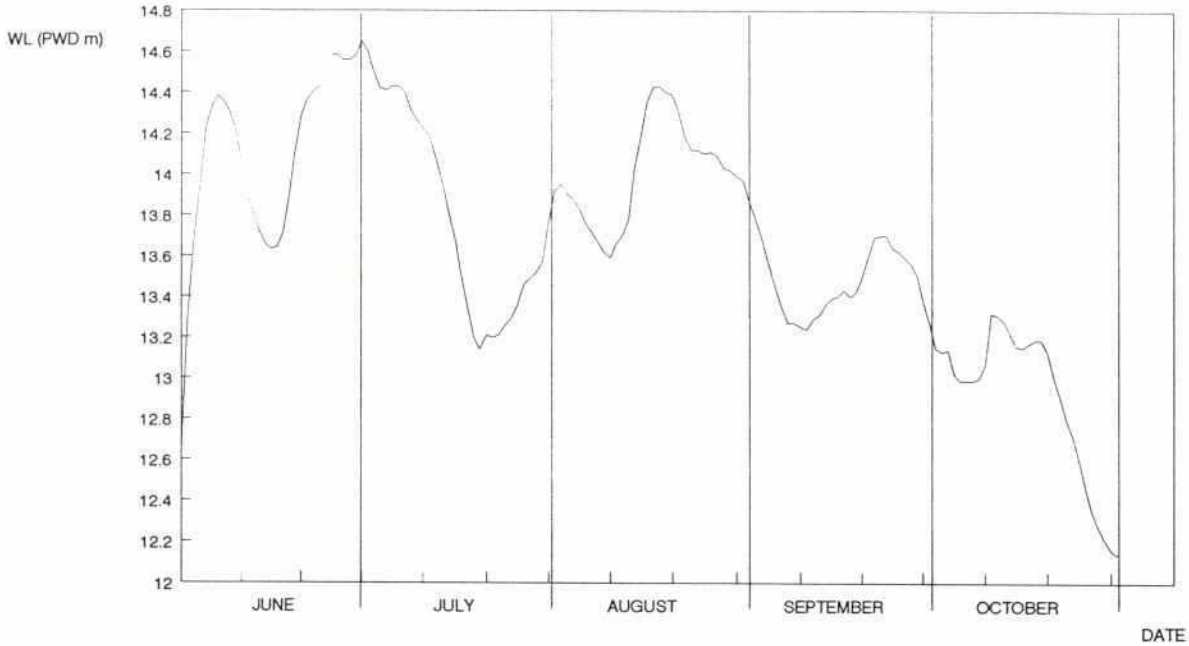
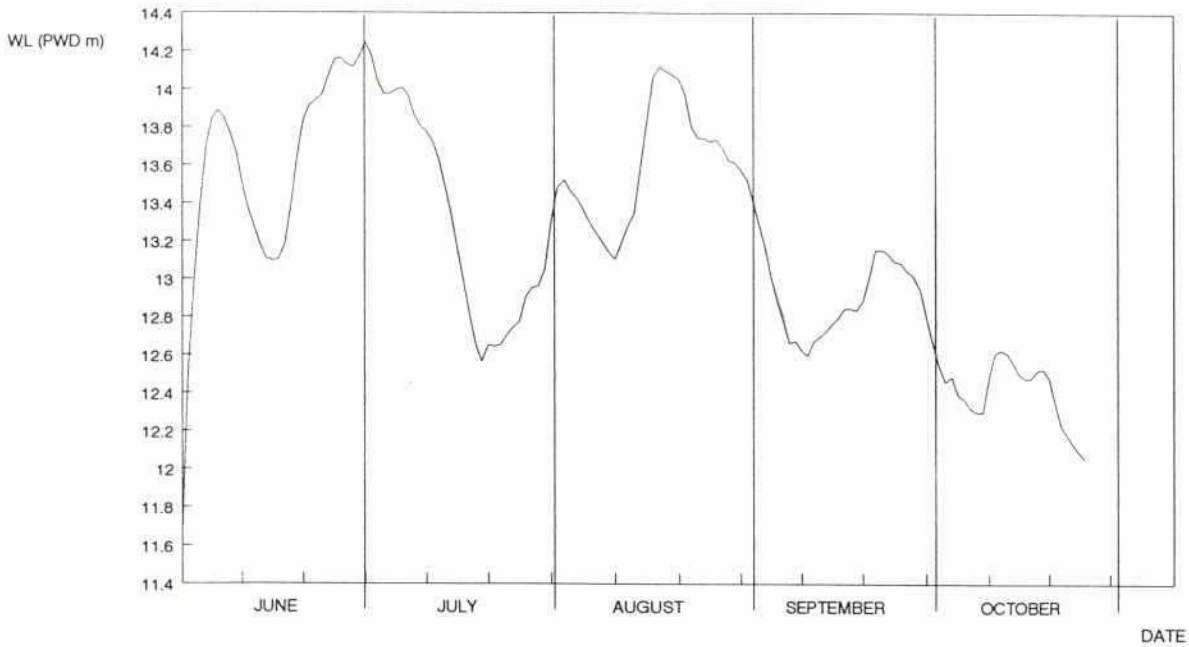
WATER LEVEL HYDROGRAPH

GAUGE 11 – 1994



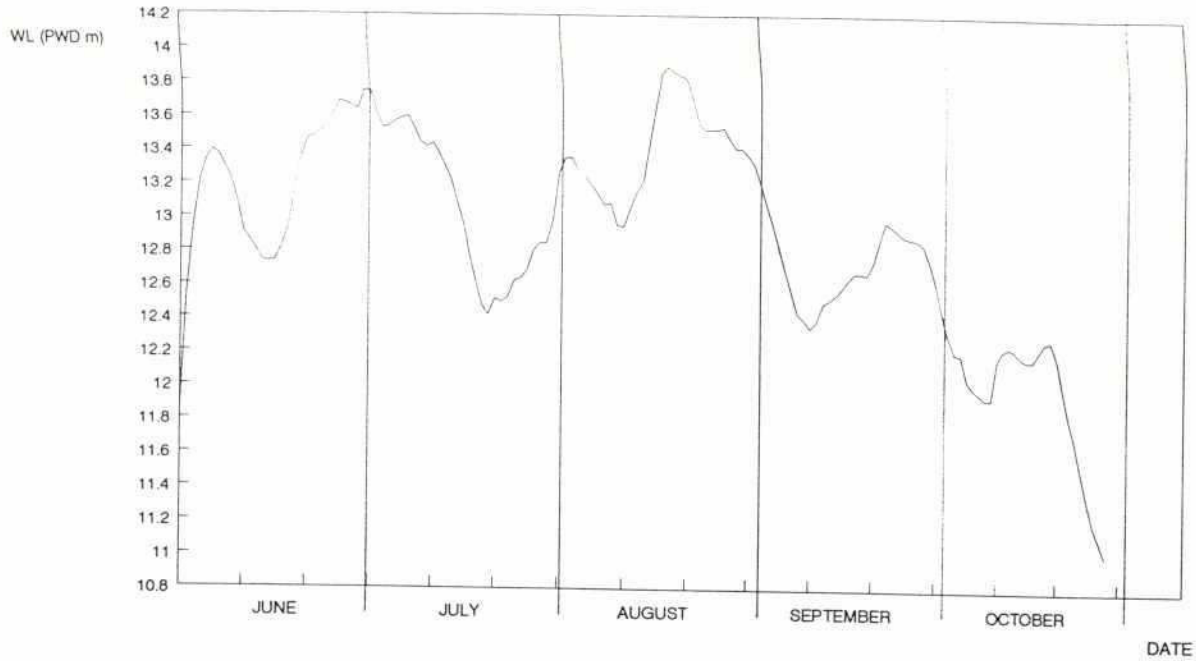
WATER LEVEL HYDROGRAPH

GAUGE 12 – 1994



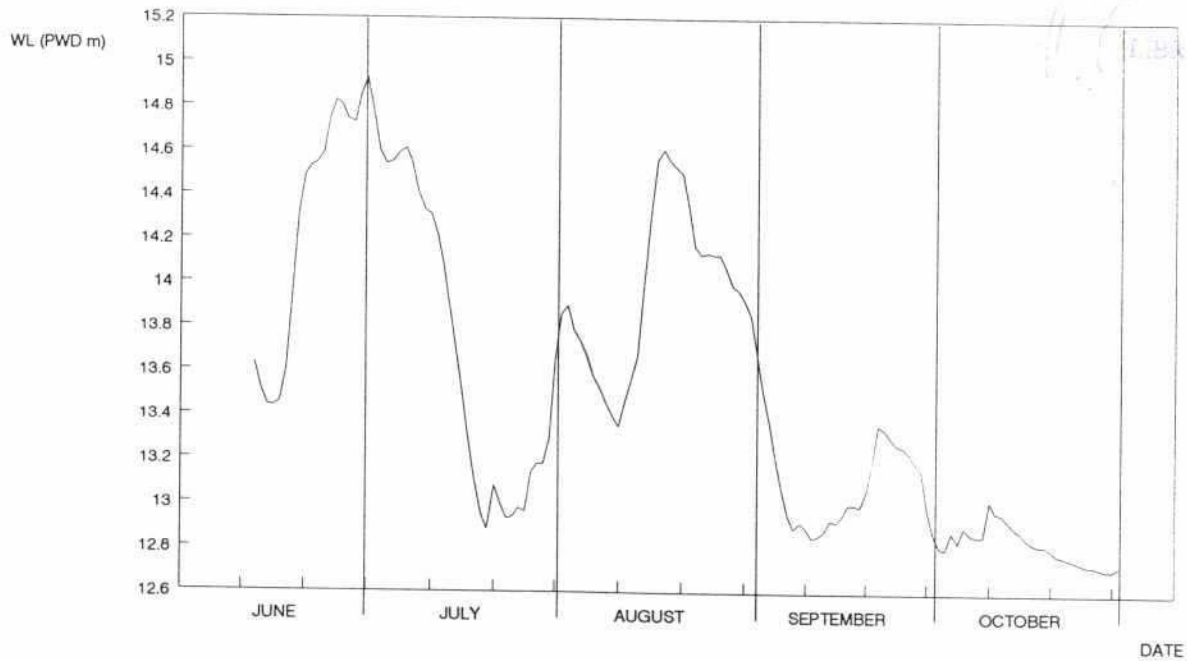
WATER LEVEL HYDROGRAPH

GAUGE 13 – 1994



WATER LEVEL HYDROGRAPH

GAUGE A – 1994



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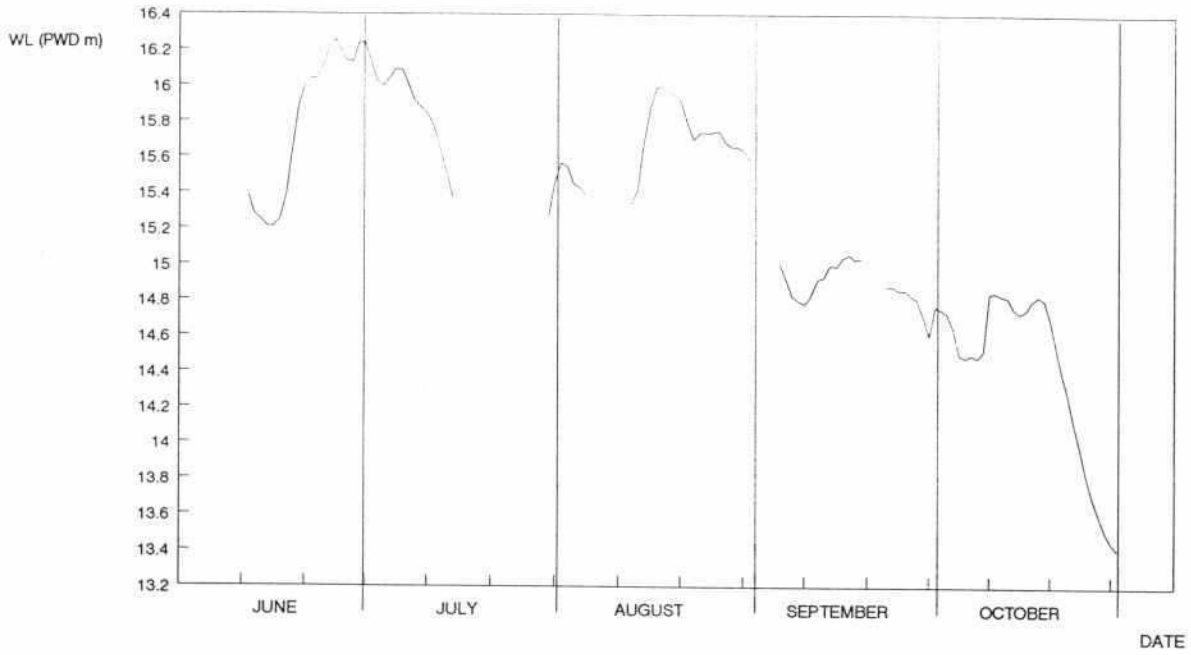
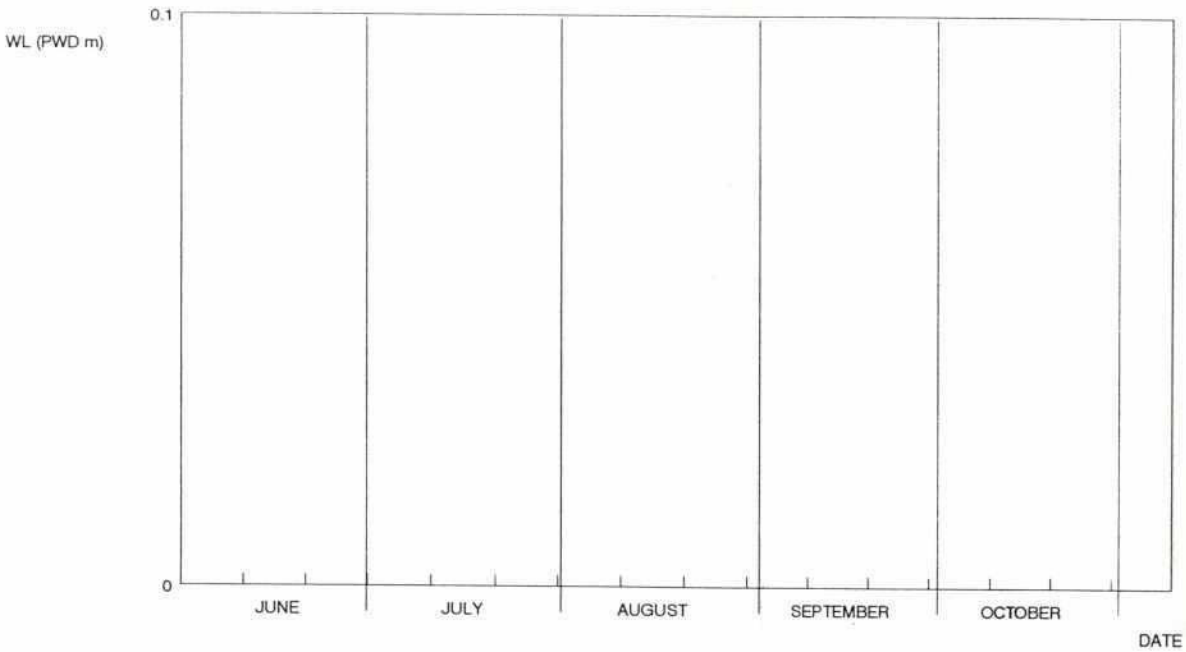
WATER LEVEL HYDROGRAPH

GAUGE B – 1994



WATER LEVEL HYDROGRAPH

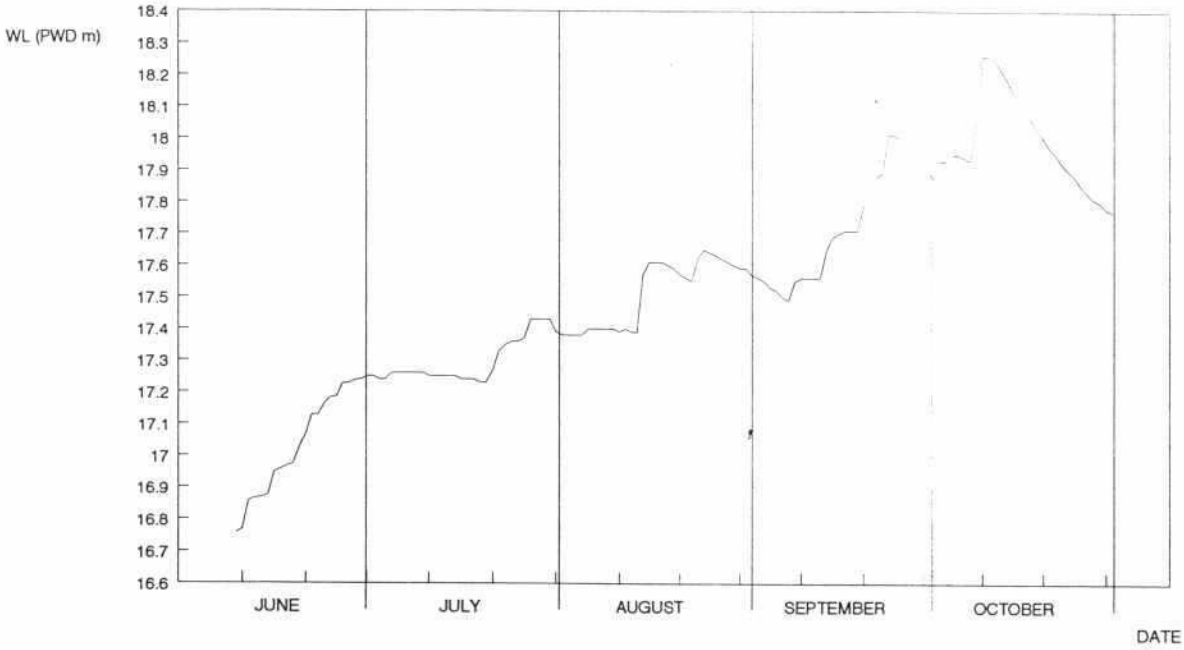
GAUGE C – 1994



Note: Gauge Dry

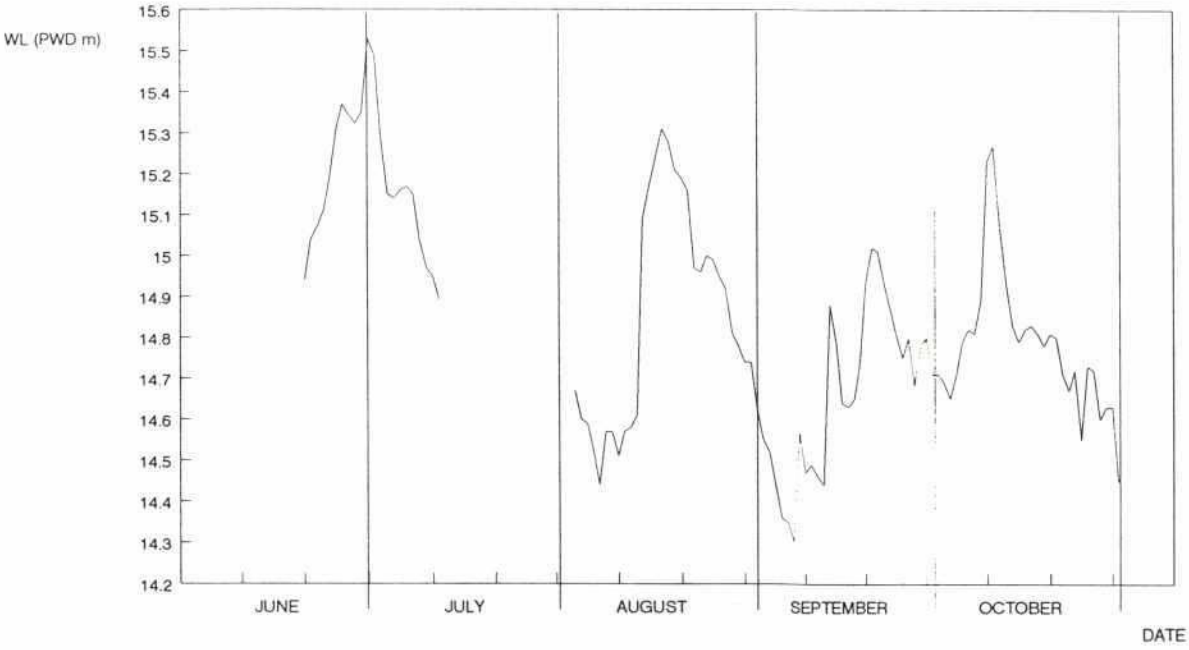
WATER LEVEL HYDROGRAPH

GAUGE D – 1994



WATER LEVEL HYDROGRAPH

GAUGE F – 1994



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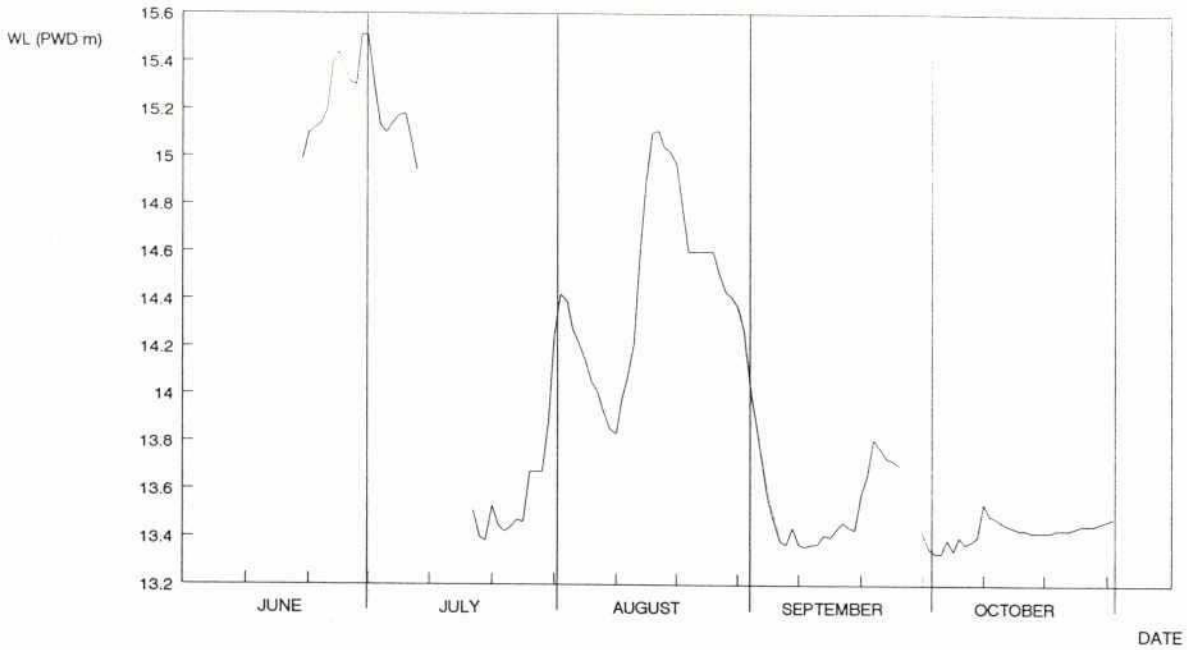
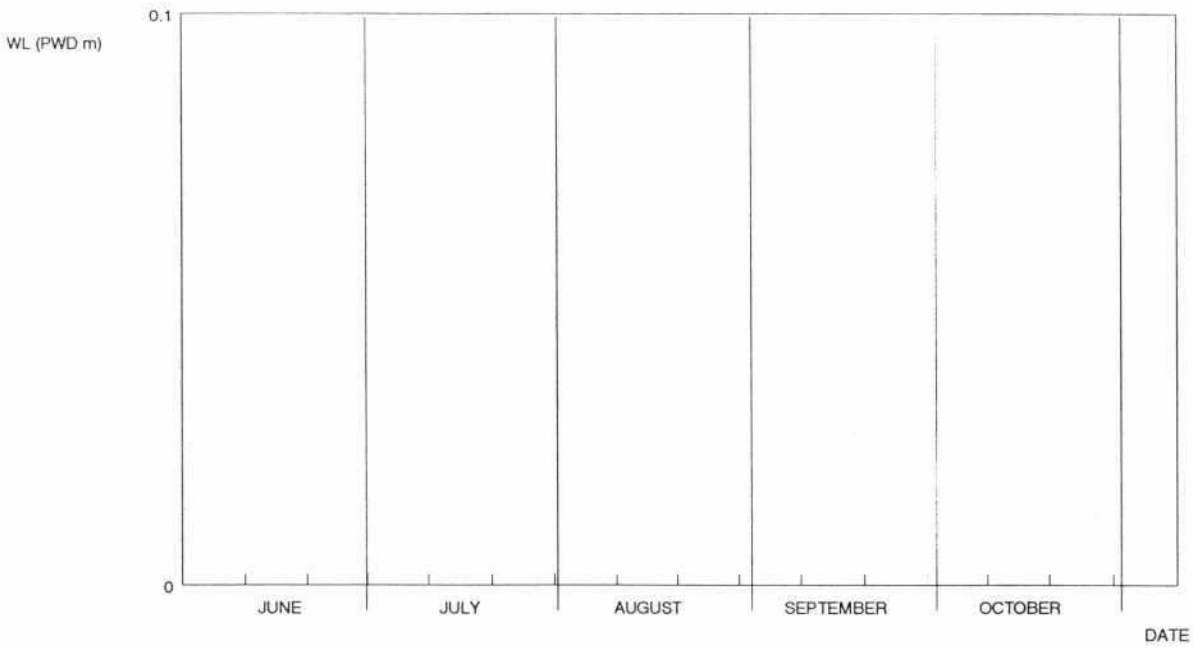
WATER LEVEL HYDROGRAPH

GAUGE G – 1994



WATER LEVEL HYDROGRAPH

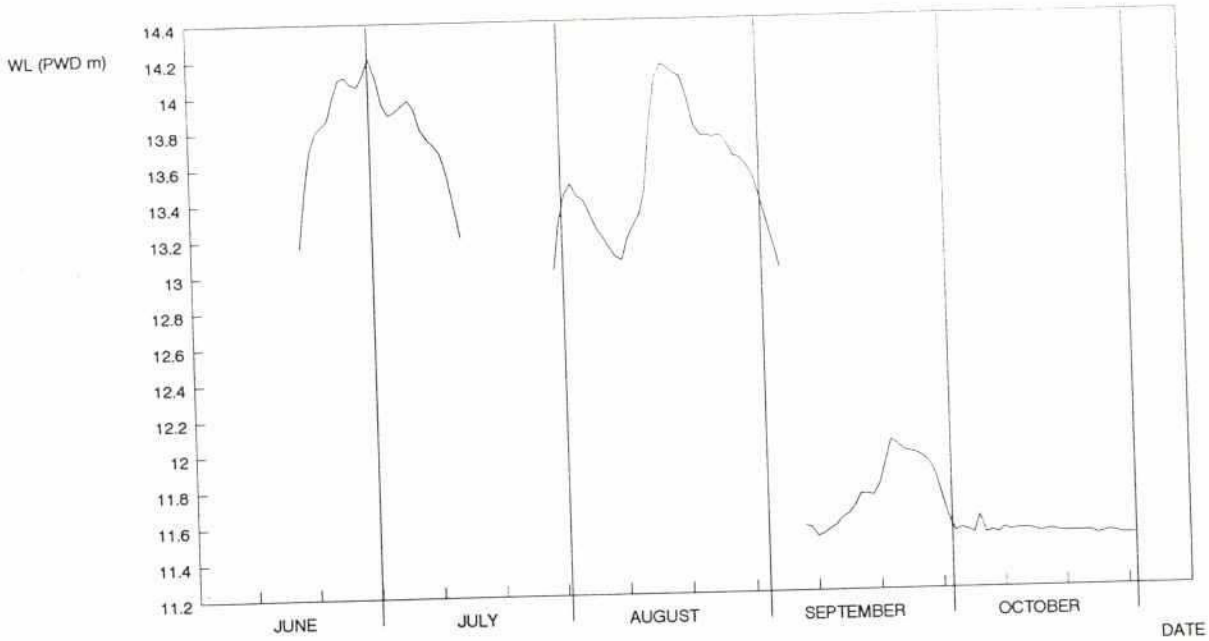
GAUGE H – 1994



Note: Gauge Dry

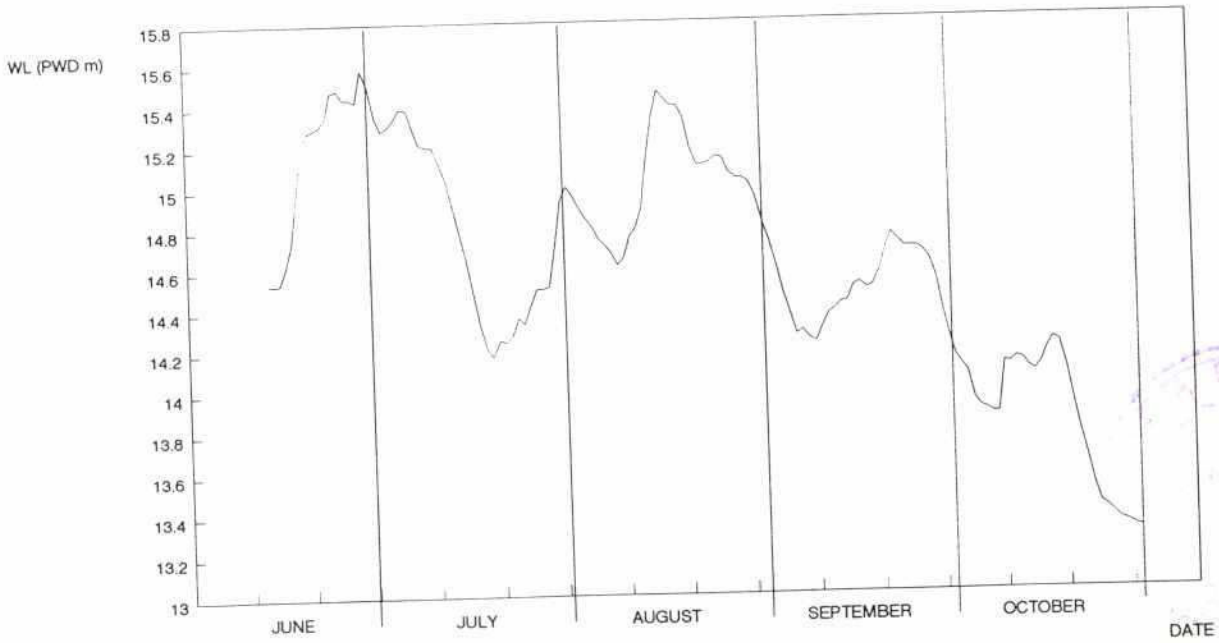
WATER LEVEL HYDROGRAPH

GAUGE I – 1994



WATER LEVEL HYDROGRAPH

GAUGE J – 1994



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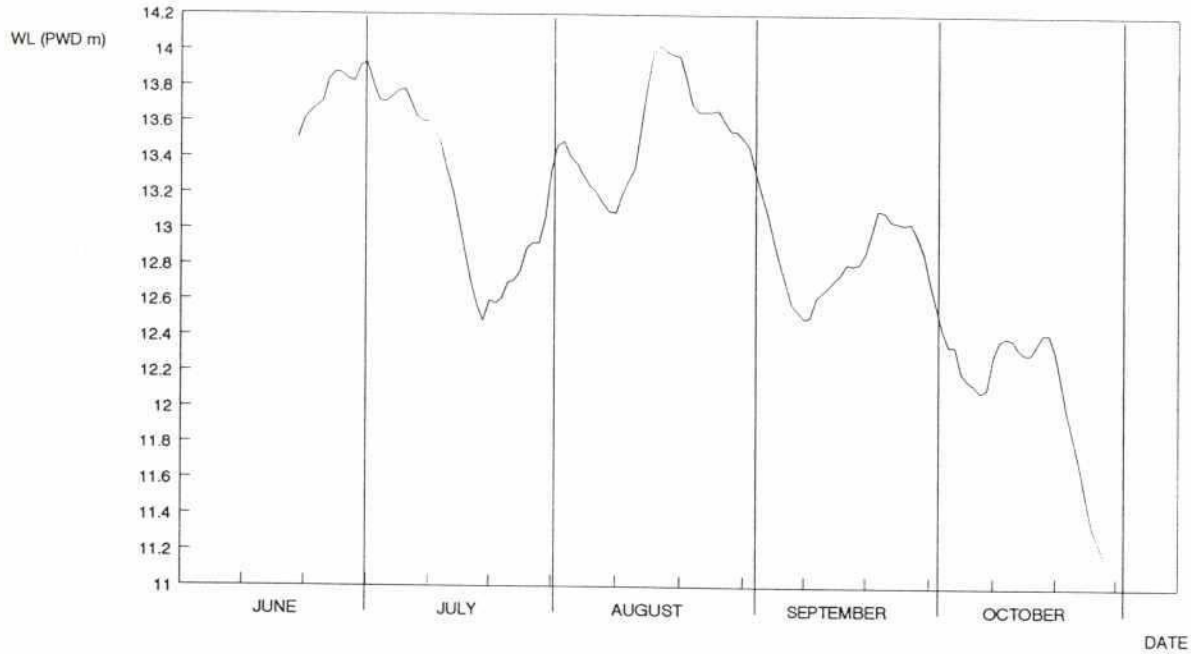
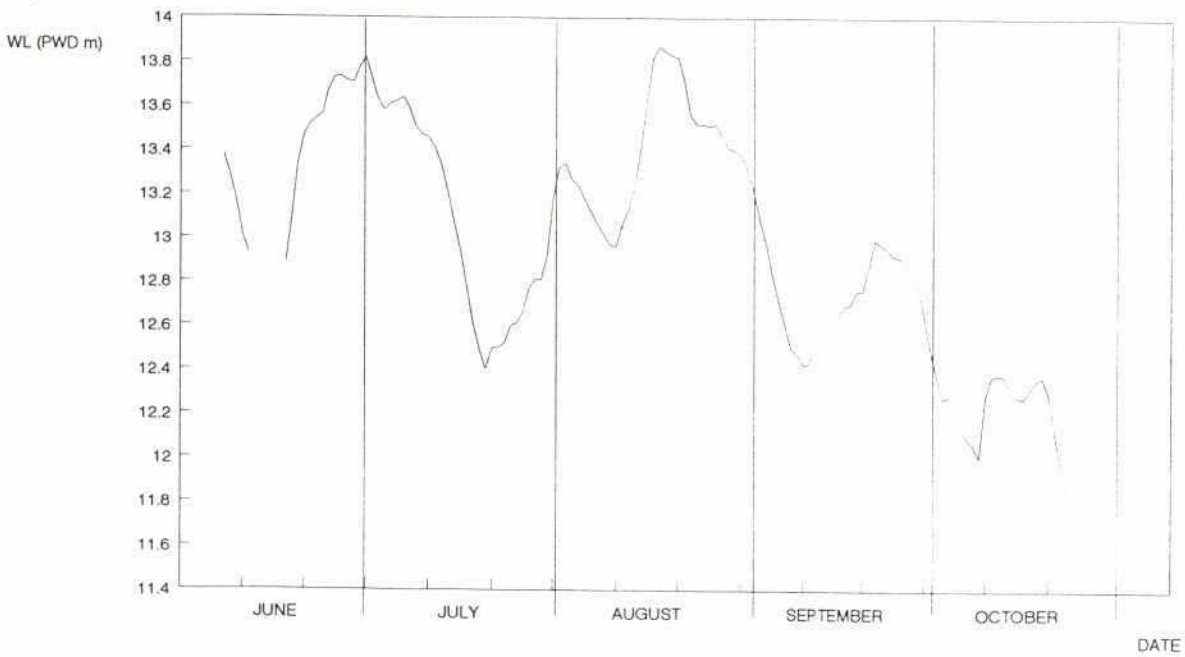
WATER LEVEL HYDROGRAPH

GAUGE K – 1994



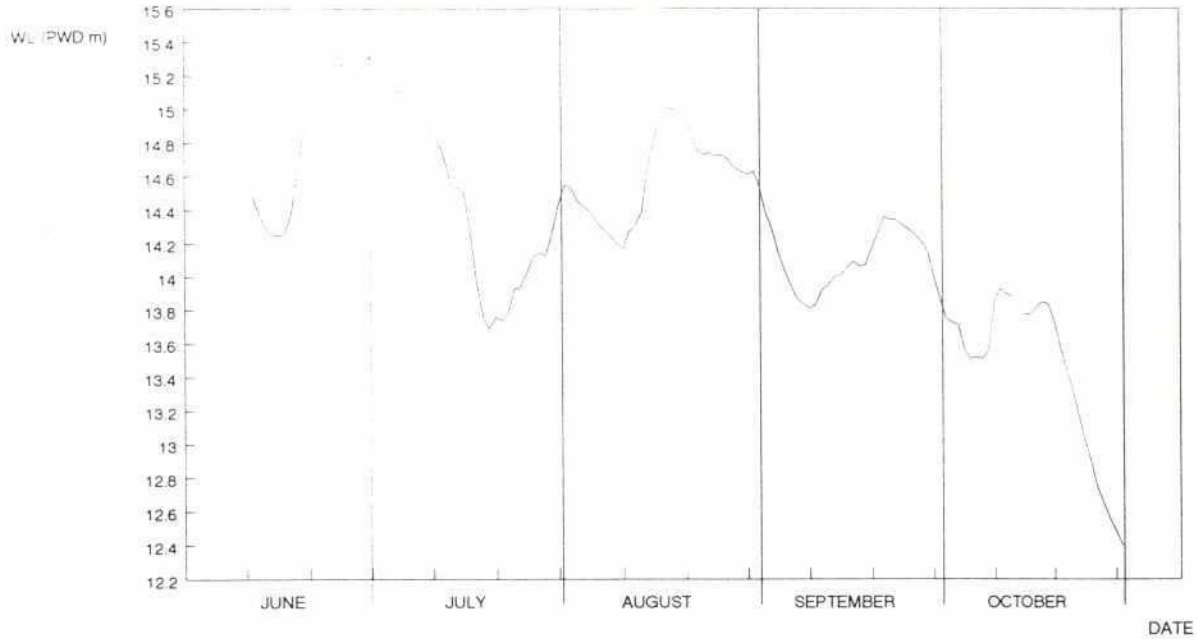
WATER LEVEL HYDROGRAPH

GAUGE L – 1994



WATER LEVEL HYDROGRAPH

GAUGE M – 1994



APPENDIX - D

1994 DISCHARGE DATA

Discharge observation data, 1994

No.	Observation Date	Gauge/Disch. Station No.	River Water Width (m)	Mean Water Level m PWD	Discharge m^3/sec.	Mean Velocity m/sec.
01	08.07.94	02	114	14.28	#0	#0
02	19.07.94	02	86	13.19	#0	#0
03	03.08.94	02	90	13.76	#0	#0
04	18.08.94	02	97	14.34	#0	#0
05	04.09.94	02	83	13.50	#0	#0
06	18.09.94	02	81	13.25	#0	#0
01	07.07.94	08	47	16.01	#0	#0
02	18.07.94	08	38	15.99	#0	#0
03	02.08.94	08	47	16.01	#0	#0
04	17.08.94	08	47	16.15	#0	#0
05	03.09.94	08	53	16.19	#0	#0
06	17.09.94	08	53	16.21	#0	#0
01	07.07.94	09	38	16.50	09.21	0.21
02	18.07.94	09	31	15.82	#0	#0
03	02.08.94	09	28	16.10	01.16	0.06
04	17.08.94	09	45	16.61	09.00	0.15
05	03.09.94	09	39	15.90	#0	#0
06	17.09.94	09	38	15.88	#0	#0
01	06.07.94	G	110	15.14	55.98	0.37
02	19.07.94	G	38	13.52	1.13	0.04
03	03.08.94	G	62	14.40	17.51	0.25
04	18.08.94	G	83	15.12	46.28	0.42
05	04.09.94	G	38	13.73	4.19	0.14
06	18.09.94	G	28	13.44	0.92	0.04

Note : #0 No flow

No.	Observation Date	Gauge/Disch. Station No.	River Water Width (m)	Mean Water Level m PWD	Discharge m^3/sec.	Mean Velocity m/sec.
01	04.07.94	I	85	13.96	11.07	0.14
02	17.07.94	I	50	13.05	#0	#0
03	04.08.94	I	56	13.43	#0	#0
04	19.08.94	I	92	14.13	11.53	0.12
05	02.09.94	I	45	13.41	#0	#0
06	16.09.94	I	34	11.67	#0	#0
01	04.07.94	K	140	13.72	137.23	0.49
02	17.07.94	K	127	13.03	56.11	0.29
03	04.08.94	K	150	13.41	63.83	0.26
04	19.08.94	K	173	14.00	139.07	0.41
05	02.09.94	K	132	13.33	62.99	0.29
06	16.09.94	K	107	12.74	30.58	0.22
01	05.07.94	L	51	13.58	49.38	0.35
02	17.07.94	L	50	12.91	12.40	0.29
03	04.08.94	L	51	13.27	19.69	0.39
04	19.08.94	L	57	13.85	51.62	0.51
05	02.09.94	L	50	13.18	18.60	0.36
06	16.09.94	L	44	12.64	6.28	0.23
01	05.07.94	M	61	15.08	151.86	0.45
02	19.07.94	M	37	13.88	32.22	0.19
03	05.08.94	M	38	14.42	66.67	0.36
04	20.08.94	M	44	14.98	109.88	0.44
05	05.09.94	M	47	14.14	63.92	0.27
06	19.09.94	M	46	14.06	56.59	0.27

Note : #0 No flow

APPENDIX - E

1994 DISCHARGE MEASUREMENT ANALYSIS

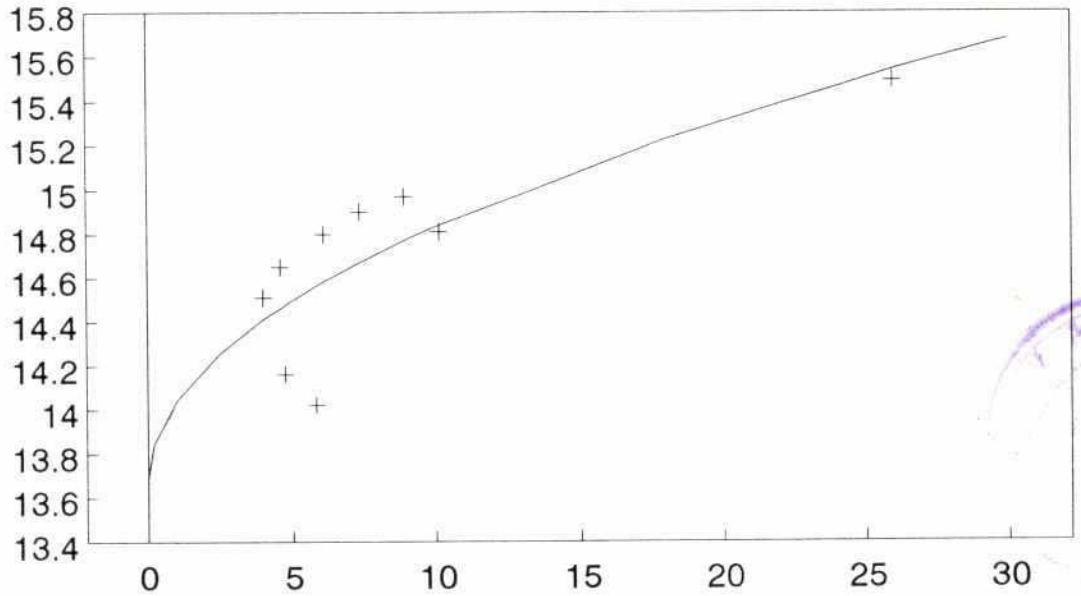
DISCHARGE MEASUREMENT ANALYSIS

Gauge 1 – 1992

			Calculated discharge from observed WL		Calculated WL from obser. discharge	
Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Discharge (calculated) m3/s	Difference m3/s	WL (calculated) m	Difference m
27–07–92	14.65	4.59	7.07	–2.48	14.46	0.19
14–07–92	14.90	7.37	11.19	–3.82	14.67	0.23
21–07–92	14.97	8.92	12.51	–3.59	14.77	0.20
07–07–92	14.81	10.13	9.60	0.53	14.84	–0.03
02–07–92	15.49	25.97	24.62	1.35	15.54	–0.05
04–08–92	14.51	4.01	5.18	–1.17	14.41	0.10
11–08–92	14.16	4.75	1.73	3.02	14.47	–0.31
01–09–92	14.02	5.85	0.87	4.98	14.56	–0.54
29–09–92	14.80	6.11	9.43	–3.32	14.58	0.22
			Sum			–0.00
			Std dev	2.976		0.254

FORMULA	where	
Q = a (H – b) ^ c	a =	7.51
(if Q < 0 then Q = 0)	b =	13.68
or	c=	2
H = (Q/a) ^ (1/c) + b		

WL (m PWD)



(Q) (m3/s)

+ Observed values

DISCHARGE (Q) (m3/s)

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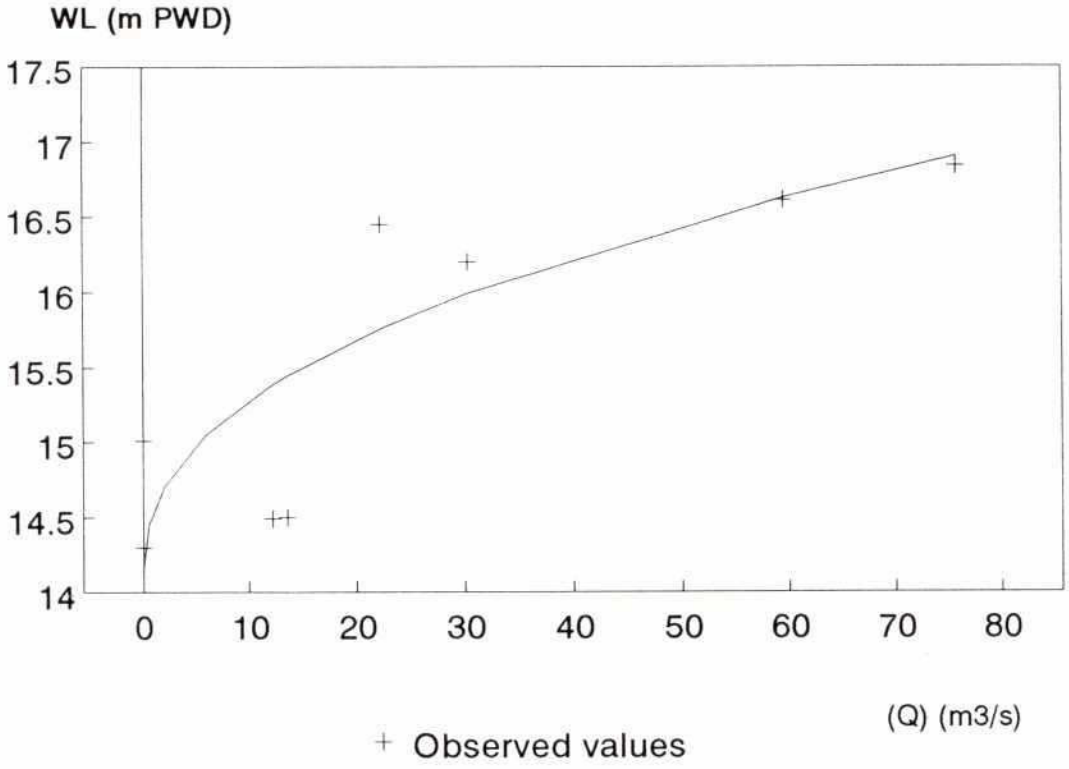
DISCHARGE MEASUREMENT ANALYSIS

Gauge 1 – 1993

			Calculated discharge from observed WL		Calculated WL from obser. discharge	
Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Discharge (calculated) m3/s	Difference m3/s	WL (calculated) m	Difference m
10–07–93	16.45	22.30	50.33	–28.03	15.76	0.69
24–07–93	16.84	75.70	71.82	3.88	16.90	–0.06
07–08–93	15.01	0.00	5.39	–5.39	14.15	0.86
21–08–93	16.20	30.30	38.76	–8.46	15.99	0.21
04–09–93	16.61	59.50	58.63	0.87	16.63	–0.02
18–09–93	14.49	12.20	0.66	11.54	15.38	–0.89
02–10–93	14.50	13.60	0.70	12.90	15.44	–0.94
16–10–93	14.30	0.00	0.10	–0.10	14.15	0.15
			Sum	–12.80		0.00
			Std dev	12.152		0.610

FORMULA	where	
Q = a (H – b) ^ c	a =	7.6
(if Q < 0 then Q = 0)	b =	14.15
or	c=	2.27
H = (Q/a) ^ (1/c) + b		



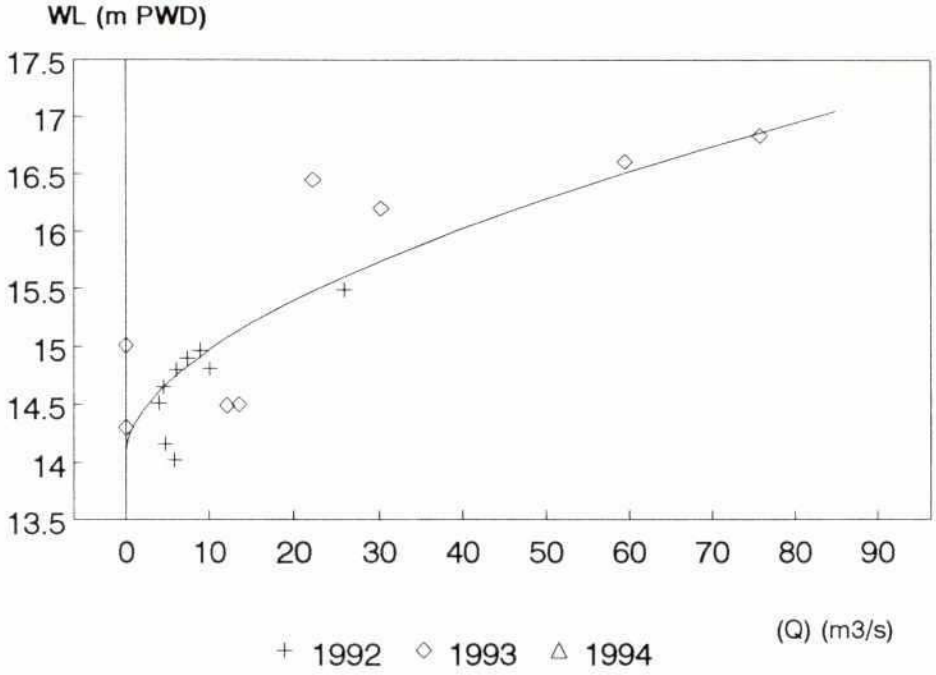
DISCHARGE (Q) (m3/s)

DISCHARGE MEASUREMENT ANALYSIS

Gauge 1 – 1992 and 1993.

Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Calculated discharge from observed WL: Discharge (calculated) m3/s	Difference m3/s	Calculated WL from obser. discharge: WL (calculated) m	Difference m
27-07-92	14.65	4.59	4.54	0.05	14.65	-0.00
14-07-92	14.90	7.37	8.65	-1.28	14.83	0.07
21-07-92	14.97	8.92	10.00	-1.08	14.91	0.06
07-07-92	14.81	10.13	7.04	3.09	14.98	-0.17
02-07-92	15.49	25.97	22.61	3.36	15.60	-0.11
04-08-92	14.51	4.01	2.76	1.25	14.61	-0.10
11-08-92	14.16	4.75	0.15	4.60	14.66	-0.50
01-09-92	14.02	5.85	0.00	5.85	14.74	-0.72
29-09-92	14.80	6.11	6.87	-0.76	14.75	0.05
10-07-93	16.45	22.30	56.85	-34.55	15.48	0.97
24-07-93	16.84	75.70	74.53	1.17	16.86	-0.02
07-08-93	15.01	0.00	10.81	-10.81	14.08	0.93
21-08-93	16.20	30.30	46.64	-16.34	15.74	0.46
04-09-93	16.61	59.50	63.85	-4.35	16.51	0.10
18-09-93	14.49	12.20	2.54	9.66	15.08	-0.59
02-10-93	14.50	13.60	2.65	10.95	15.14	-0.64
16-10-93	14.30	0.00	0.85	-0.85	14.08	0.22
			Sum			-0.00
			Std dev	10.404		0.464

FORMULA	where	
Q = a (H – b) ^ c	a =	12.2
(if Q < 0 then Q = 0)	b =	14.08
or	c=	1.78
H = (Q/a) ^ (1/c) + b		



DISCHARGE (Q) (m3/s)

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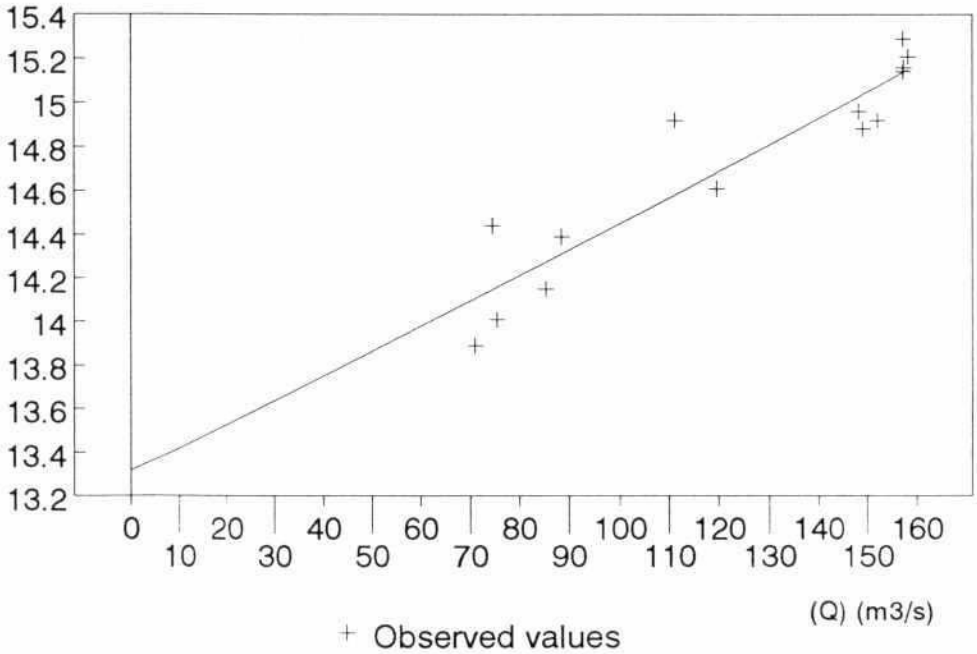
DISCHARGE MEASUREMENT ANALYSIS

Gauge 2 – 1992

			Calculated discharge from observed WL		Calculated WL from obser. discharge	
Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Discharge (calculated) m3/s	Difference m3/s	WL (calculated) m	Difference m
27-07-92	14.92	152.05	139.27	12.78	15.08	-0.16
20-07-92	15.21	158.24	163.12	-4.88	15.15	0.06
06-07-92	15.16	157.29	159.02	-1.73	15.14	0.02
13-07-92	15.14	157.25	157.38	-0.13	15.14	0.00
01-07-92	15.29	157.20	169.66	-12.46	15.14	0.15
31-08-92	14.88	149.15	135.97	13.18	15.04	-0.16
24-08-92	14.01	75.43	62.75	12.68	14.16	-0.15
17-08-92	14.15	85.34	74.75	10.59	14.27	-0.12
10-09-92	14.96	148.24	142.57	5.67	15.03	-0.07
03-08-92	14.61	119.56	113.54	6.02	14.68	-0.07
28-09-92	14.92	111.14	139.27	-28.13	14.58	0.34
14-09-92	13.89	71.00	52.36	18.64	14.11	-0.22
21-09-92	14.39	88.48	95.09	-6.61	14.31	0.08
06-09-92	14.44	74.45	99.30	-24.85	14.15	0.29
			Sum			-0.00
			Std dev	13.785		0.164

FORMULA	where	
Q = a (H – b) ^ c	a =	89
(if Q < 0 then Q = 0)	b =	13.32
or	c=	0.95
H = (Q/a) ^ (1/c) + b		

WL (m PWD)



DISCHARGE (Q) (m3/s)

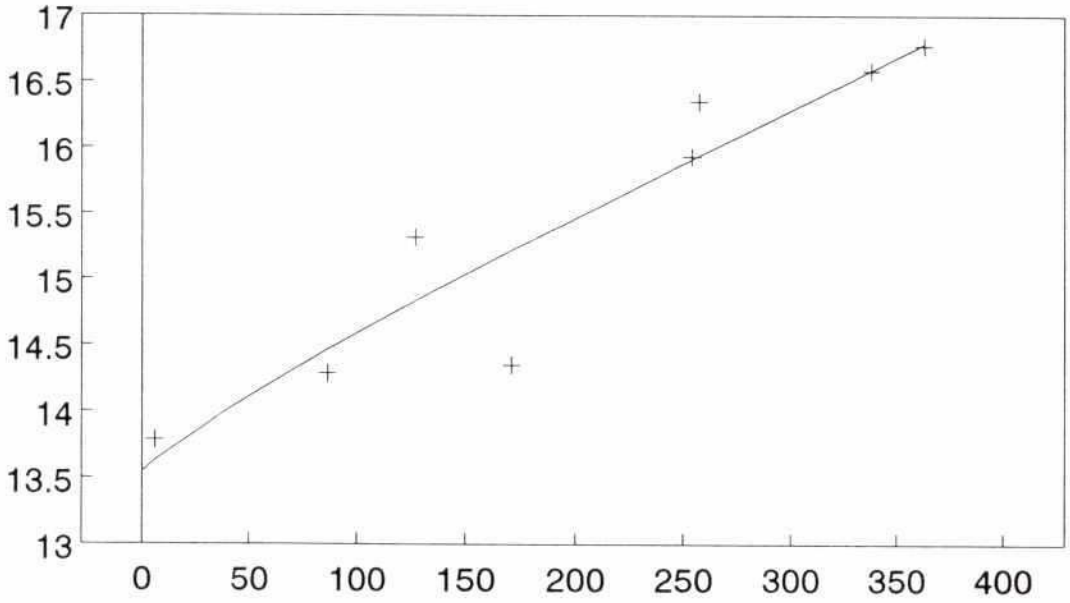
DISCHARGE MEASUREMENT ANALYSIS

Gauge 2 – 1993

			Calculated discharge from observed WL		Calculated WL from obser. discharge	
Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Discharge (calculated) m3/s	Difference m3/s	WL (calculated) m	Difference m
10–07–93	15.93	254.00	256.07	–2.07	15.91	0.02
24–07–93	16.58	338.00	337.00	1.00	16.59	–0.01
07–08–93	15.32	127.60	182.90	–55.30	14.84	0.48
21–08–93	16.35	257.10	308.05	–50.95	15.94	0.41
04–09–93	16.77	363.10	361.14	1.96	16.79	–0.02
18–09–93	14.29	86.70	68.07	18.63	14.47	–0.18
02–10–93	14.35	171.10	74.34	96.76	15.22	–0.87
16–10–93	13.79	5.90	19.25	–13.35	13.63	0.16
			Sum	–3.32		0.00
			Std dev	44.088		0.389

FORMULA	where	
Q = a (H – b) ^ c	a =	95
(if Q < 0 then Q = 0)	b =	13.54
or	c=	1.14
H = (Q/a) ^ (1/c) + b		

WL (m PWD)



(Q) (m3/s)

+ Observed values

DISCHARGE (Q) (m3/s)

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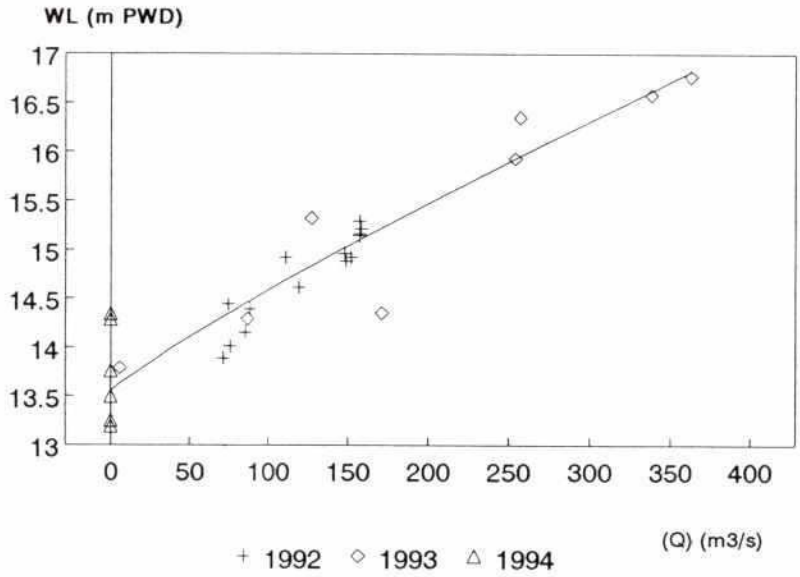
DISCHARGE MEASUREMENT ANALYSIS

Gauge 2 – 1992, 1993 and 1994

			Calculated discharge from observed WL		Calculated WL from obser. discharge	
Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Discharge (calculated) m3/s	Difference m3/s	WL (calculated) m	Difference m
27-07-92	14.92	152.05	136.93	15.12	15.05	-0.13
20-07-92	15.21	158.24	169.74	-11.50	15.11	0.10
06-07-92	15.16	157.29	164.03	-6.74	15.10	0.06
13-07-92	15.14	157.25	161.75	-4.50	15.10	0.04
01-07-92	15.29	157.20	178.91	-21.71	15.10	0.19
31-08-92	14.88	149.15	132.46	16.69	15.03	-0.15
24-08-92	14.01	75.43	40.45	34.98	14.35	-0.34
17-08-92	14.15	85.34	54.42	30.92	14.45	-0.30
10-09-92	14.96	148.24	141.41	6.83	15.02	-0.06
03-08-92	14.61	119.56	102.78	16.78	14.76	-0.15
28-09-92	14.92	111.14	136.93	-25.79	14.69	0.23
14-09-92	13.89	71.00	28.88	42.12	14.31	-0.42
21-09-92	14.39	88.48	79.24	9.24	14.48	-0.09
06-09-92	14.44	74.45	84.53	-10.08	14.34	0.10
10-07-93	15.93	254.00	254.02	-0.02	15.93	0.00
24-07-93	16.58	338.00	332.84	5.16	16.62	-0.04
07-08-93	15.32	127.60	182.37	-54.77	14.84	0.48
21-08-93	16.35	257.10	304.69	-47.59	15.96	0.39
04-09-93	16.77	363.10	356.28	6.82	16.82	-0.05
18-09-93	14.29	86.70	68.78	17.92	14.46	-0.17
02-10-93	14.35	171.10	75.04	96.06	15.22	-0.87
16-10-93	13.79	5.90	19.60	-13.70	13.63	0.16
08-07-94	14.28	0.00	67.74	-67.74	13.55	0.73
19-07-94	13.19	0.00	0.00	0.00	13.55	-0.36
03-08-94	13.76	0.00	16.90	-16.90	13.55	0.21
18-08-94	14.34	0.00	73.99	-73.99	13.55	0.79
04-09-94	13.5	0.00	0.00	0.00	13.55	-0.05
18-09-94	13.25	0.00	0.00	0.00	13.55	-0.30
			Sum			0.00
			Std dev	33.605		0.339

FORMULA	where	
Q = a (H – b) ^ c	a =	96.1
(if Q < 0 then Q = 0)	b =	13.55
or	c=	1.12
H = (Q/a) ^ (1/c) + b		



DISCHARGE (Q) (m3/s)

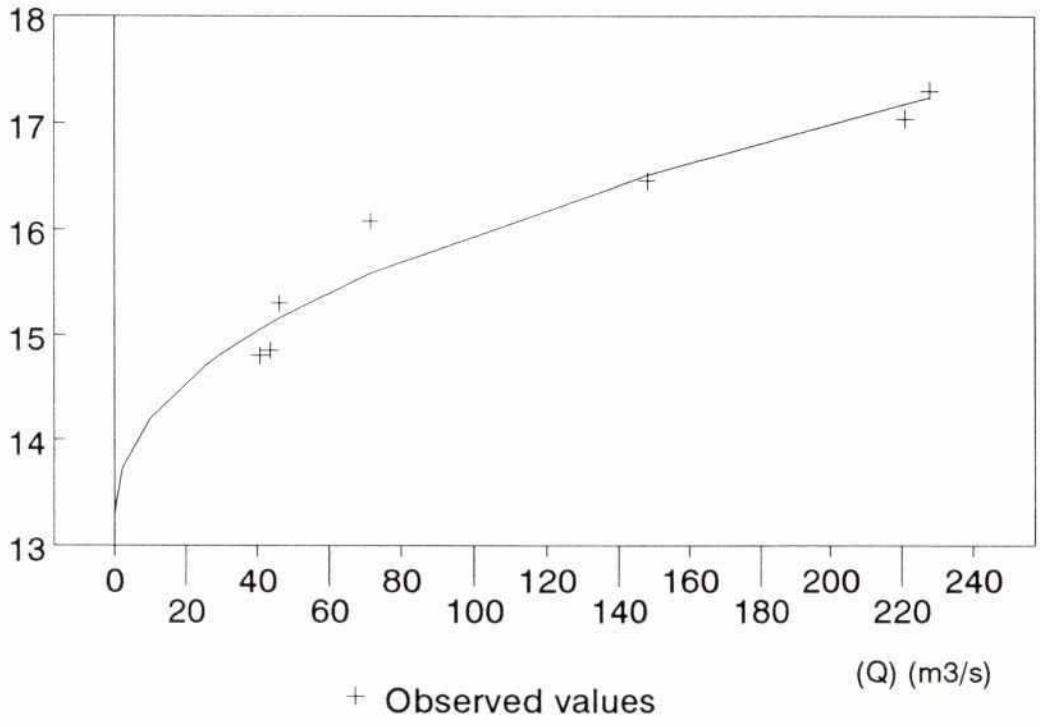
DISCHARGE MEASUREMENT ANALYSIS

Gauge 6 – 1993

			Calculated discharge from observed WL		Calculated WL from obser. discharge	
Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Discharge (calculated) m3/s	Difference m3/s	WL (calculated) m	Difference m
24–06–93	14.85	43.80	31.49	12.31	15.11	–0.26
08–07–93	16.08	71.80	109.05	–37.25	15.58	0.50
22–07–93	16.46	148.30	143.17	5.13	16.51	–0.05
05–08–93	16.23	25.90	121.93		14.71	
19–08–93	17.04	221.00	204.77	16.23	17.18	–0.14
02–09–93	17.30	228.00	236.18	–8.18	17.23	0.07
16–09–93	15.30	46.40	54.16	–7.76	15.16	0.14
14–10–93	14.80	40.90	29.36	11.54	15.05	–0.25
			Sum	–7.98		–0.00
			Std dev	17.238		0.246

FORMULA	where	
Q = a (H – b) ^ c	a =	12.54
(if Q < 0 then Q = 0)	b =	13.31
or	c=	2.12
H = (Q/a) ^ (1/c) + b		

WL (m PWD)



DISCHARGE (Q) (m3/s)

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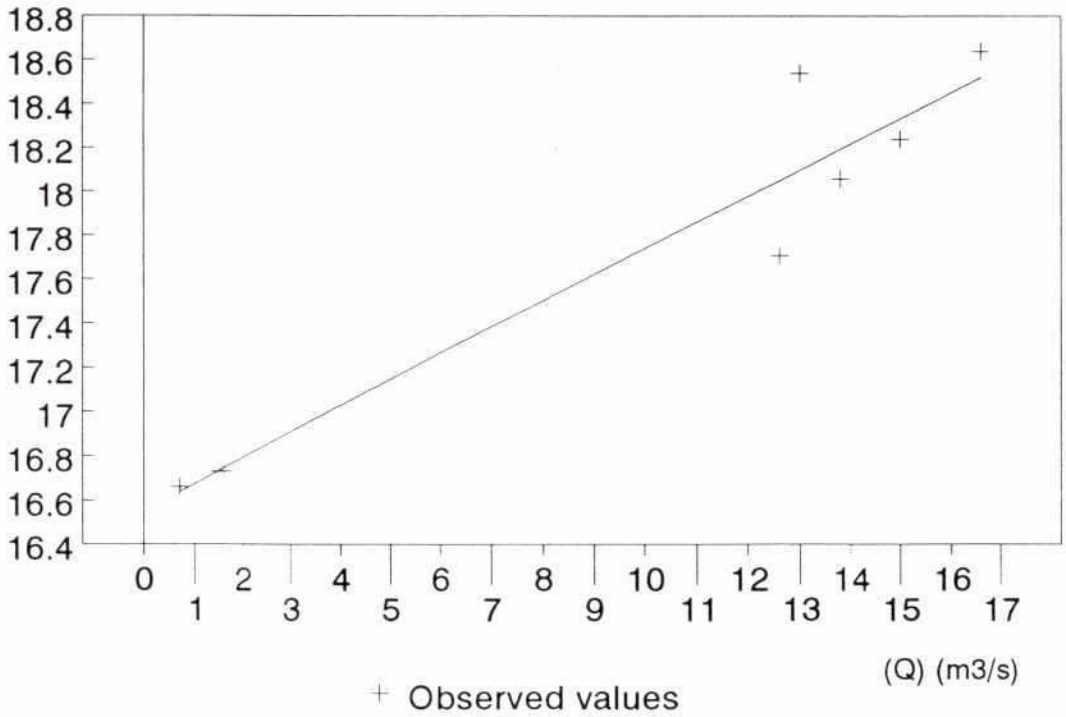
DISCHARGE MEASUREMENT ANALYSIS

Gauge 8 – 1993

			Calculated discharge from observed WL		Calculated WL from obser. discharge	
Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Discharge (calculated) m3/s	Difference m3/s	WL (calculated) m	Difference m
11–07–93	18.54	13.00	16.74	–3.74	18.10	0.44
25–07–93	18.64	16.60	17.58	–0.98	18.52	0.12
08–08–93	17.71	12.60	9.74	2.86	18.05	–0.34
22–08–93	18.06	13.80	12.69	1.11	18.19	–0.13
05–09–93	18.24	15.00	14.21	0.79	18.33	–0.09
19–09–93	16.66	0.70	0.89	–0.19	16.64	0.02
03–10–93	16.73	1.60	1.48	0.12	16.74	–0.01
17–10–93	16.73	1.50	1.48	0.02	16.73	–0.00
			Sum	0.00		–0.00
			Std dev	1.768		0.210

FORMULA	where	
Q = a (H – b) ^ c	a =	8.43
(if Q < 0 then Q = 0)	b =	16.55
or	c=	1
H = (Q/a) ^ (1/c) + b		

WL (m PWD)



DISCHARGE (Q) (m3/s)

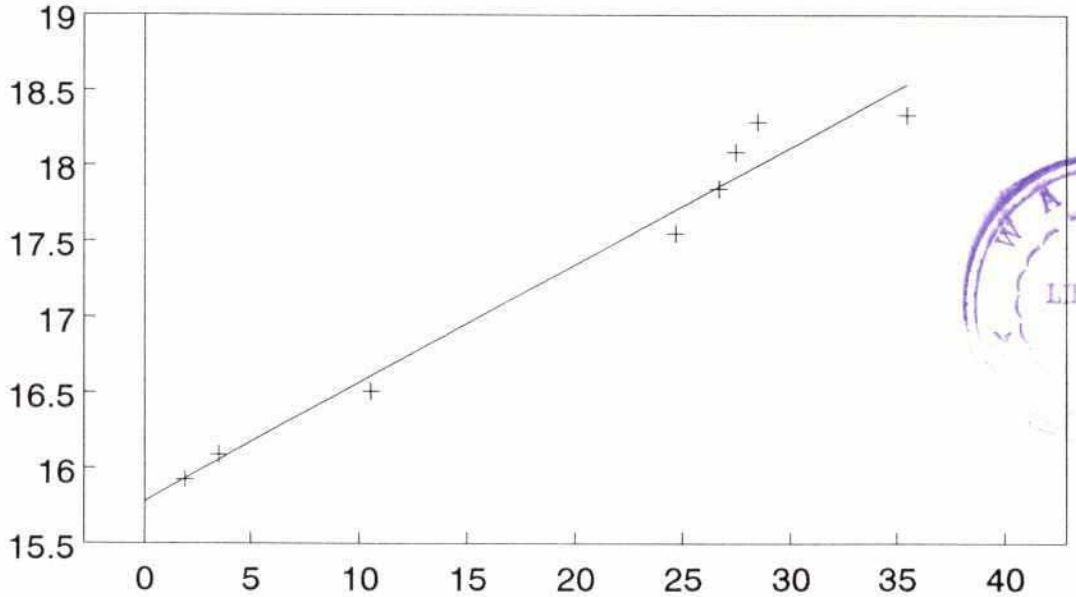
DISCHARGE MEASUREMENT ANALYSIS

Gauge 9 – 1993 (Deli)

Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Calculated discharge from observed WL: Discharge (calculated) m3/s	Calculated discharge from observed WL: Difference m3/s	Calculated WL from obser. discharge: WL (calculated) m	Calculated WL from obser. discharge: Difference m
11–07–93	18.29	28.50	32.22	−3.72	18.00	0.29
25–07–93	18.34	35.50	32.87	2.63	18.54	−0.20
08–08–93	17.55	24.70	22.65	2.05	17.71	−0.16
22–08–93	17.85	26.70	26.53	0.17	17.86	−0.01
05–09–93	18.09	27.50	29.63	−2.13	17.93	0.16
19–09–93	16.09	3.50	3.94	−0.44	16.06	0.03
03–10–93	16.51	10.60	9.29	1.31	16.61	−0.10
17–10–93	15.92	1.90	1.79	0.11	15.93	−0.01
			Sum	−0.01		0.00
			Std dev	1.983		0.153

FORMULA	where	
Q = a (H − b) ^ c	a =	12.7
(if Q < 0 then Q = 0)	b =	15.78
or	c=	1.01
H = (Q/a) ^ (1/c) + b		

WL (m PWD)



(Q) (m3/s)

+ Observed values

DISCHARGE (Q) (m3/s)

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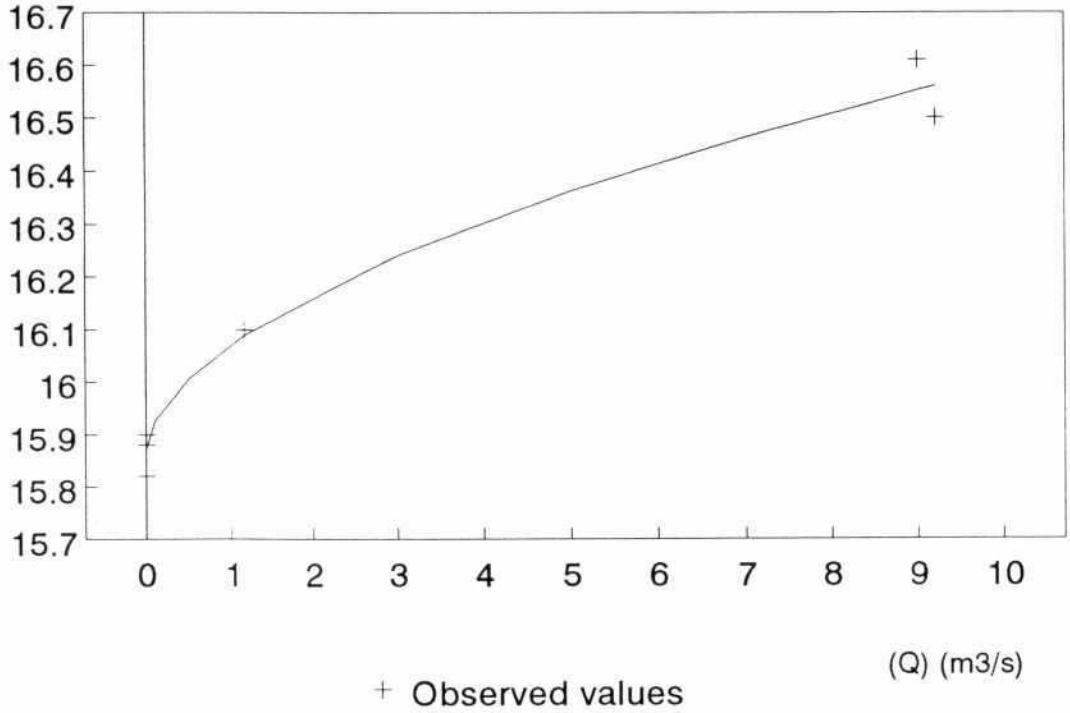
DISCHARGE MEASUREMENT ANALYSIS

Gauge 9 – 1994 (Deli)

			Calculated discharge from observed WL		Calculated WL from obser. discharge	
Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Discharge (calculated) m3/s	Difference m3/s	WL (calculated) m	Difference m
07–07–94	16.50	9.21	7.81	1.40	16.56	–0.06
18–07–94	15.82	0.00	0.00	0.00	15.87	–0.05
02–08–94	16.10	1.16	1.27	–0.11	16.09	0.01
17–08–94	16.61	9.00	10.44	–1.44	16.55	0.06
03–09–94	15.90	0.00	0.03	–0.03	15.87	0.03
17–09–94	15.88	0.00	0.00	–0.00	15.87	0.01
			Sum			0.00
			Std dev	0.819		0.042

FORMULA	where	
Q = a (H – b) ^ c	a =	17.95
(if Q < 0 then Q = 0)	b =	15.87
or	c=	1.8
H = (Q/a) ^ (1/c) + b		

WL (m PWD)



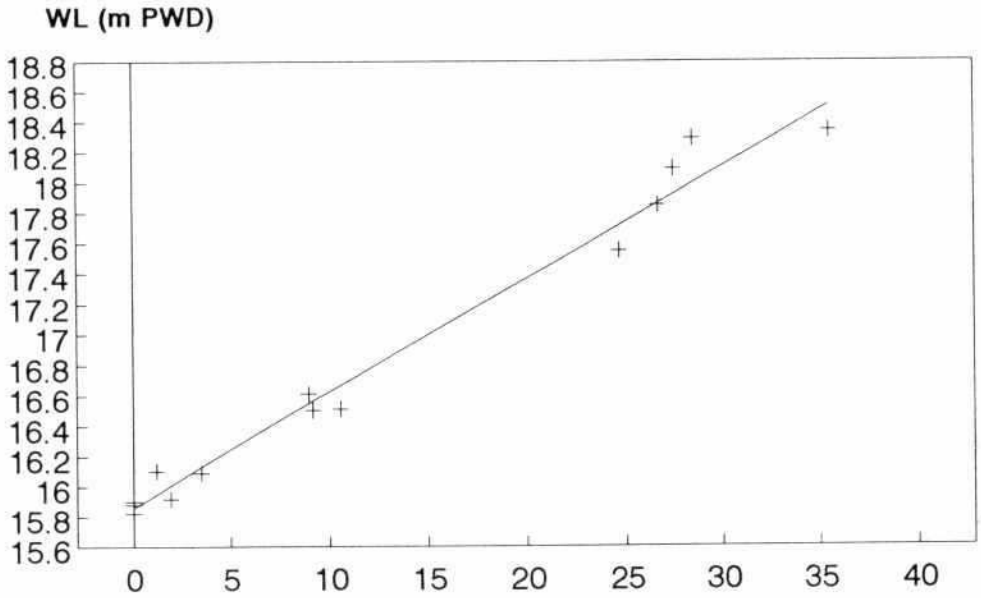
DISCHARGE (Q) (m3/s)

DISCHARGE MEASUREMENT ANALYSIS

Gauge 9 – 1993 and 1994 (Deli)

Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Calculated discharge from observed WL: Discharge (calculated) m3/s	Calculated discharge from observed WL: Difference m3/s	Calculated WL from obser. discharge: WL (calculated) m	Calculated WL from obser. discharge: Difference m
11-07-93	18.29	28.50	32.51	-4.01	18.00	0.29
25-07-93	18.34	35.50	33.19	2.31	18.51	-0.17
08-08-93	17.55	24.70	22.45	2.25	17.72	-0.17
22-08-93	17.85	26.70	26.52	0.18	17.86	-0.01
05-09-93	18.09	27.50	29.78	-2.28	17.92	0.17
19-09-93	16.09	3.50	2.96	0.54	16.13	-0.04
03-10-93	16.51	10.60	8.49	2.11	16.67	-0.16
17-10-93	15.92	1.90	0.77	1.13	16.01	-0.09
07-07-94	16.50	9.21	8.36	0.85	16.56	-0.06
18-07-94	15.82	0.00	0.00	0.00	15.86	-0.04
02-08-94	16.10	1.16	3.09	-1.93	15.95	0.15
17-08-94	16.61	9.00	9.82	-0.82	16.55	0.06
03-09-94	15.90	0.00	0.52	-0.52	15.86	0.04
17-09-94	15.88	0.00	0.27	-0.27	15.86	0.02
			Sum			-0.00
			Std dev	1.756		0.131

FORMULA	where	
Q = a (H – b) ^ c	a =	13.13
(if Q < 0 then Q = 0)	b =	15.86
or	c=	1.02
H = (Q/a) ^ (1/c) + b		



+ Observed values

DISCHARGE (Q) (m3/s)

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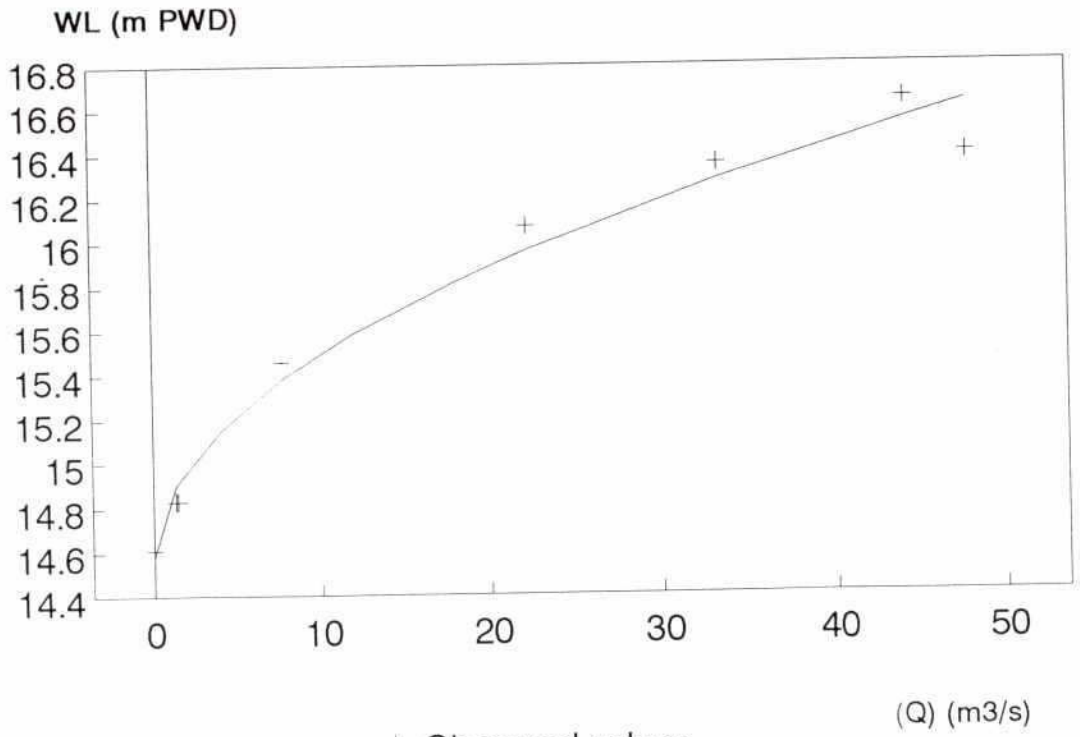
DISCHARGE MEASUREMENT ANALYSIS

Gauge 10 – 1993

Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Calculated discharge from observed WL: Discharge (calculated) m3/s	Calculated discharge from observed WL: Difference m3/s	Calculated WL from obser. discharge: WL (calculated) m	Calculated WL from obser. discharge: Difference m
09–07–93	16.07	22.20	25.81	–3.61	15.96	0.11
23–07–93	16.39	47.80	37.71	10.09	16.62	–0.23
06–08–93	15.46	7.70	9.25	–1.55	15.38	0.08
20–08–93	16.35	33.30	36.11	–2.81	16.28	0.07
03–09–93	16.64	44.20	48.53	–4.33	16.54	0.10
17–09–93	14.83	1.40	0.80	0.60	14.91	–0.08
01–10–93	14.83	1.30	0.80	0.50	14.90	–0.07
15–10–93	14.61	0.00	0.01	–0.01	14.58	0.03
			Sum	–1.12		0.00
			Std dev	4.247		0.112

FORMULA	where	
Q = a (H – b) ^ c	a =	11.85
(if Q < 0 then Q = 0)	b =	14.58
or	c=	1.95
H = (Q/a) ^ (1/c) + b		



+ Observed values

DISCHARGE (Q) (m3/s)

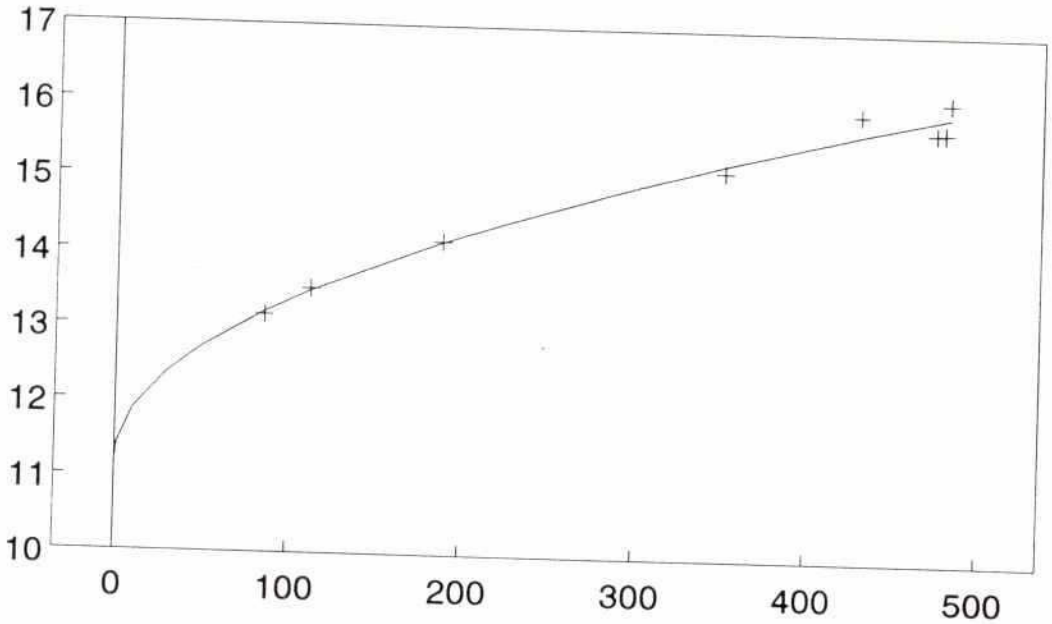
DISCHARGE MEASUREMENT ANALYSIS

Gauge 12 – 1993

Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Calculated discharge from observed WL: Discharge (calculated) m3/s	Calculated discharge from observed WL: Difference m3/s	Calculated WL from obser. discharge: WL (calculated) m	Calculated WL from obser. discharge: Difference m
12–07–93	15.72	474.00	439.45	34.55	15.89	–0.17
26–07–93	16.12	482.00	520.46	–38.46	15.93	0.19
09–08–93	15.15	351.00	335.85	15.15	15.24	–0.09
23–08–93	15.73	479.00	441.40	37.60	15.92	–0.19
06–09–93	15.94	430.30	483.16	–52.86	15.67	0.27
20–09–93	13.51	112.20	115.34	–3.14	13.48	0.03
04–10–93	14.16	188.20	188.97	–0.77	14.15	0.01
18–10–93	13.15	85.60	82.34	3.26	13.19	–0.04
			Sum	–4.67		–0.00
			Std dev	29.850		0.151

FORMULA	where
Q = a (H – b) ^ c (if Q < 0 then Q = 0) or H = (Q/a) ^ (1/c) + b	a = 21.4 b = 11.19 c= 2

WL (m PWD)



+ Observed values

(Q) (m3/s)

DISCHARGE (Q) (m3/s)

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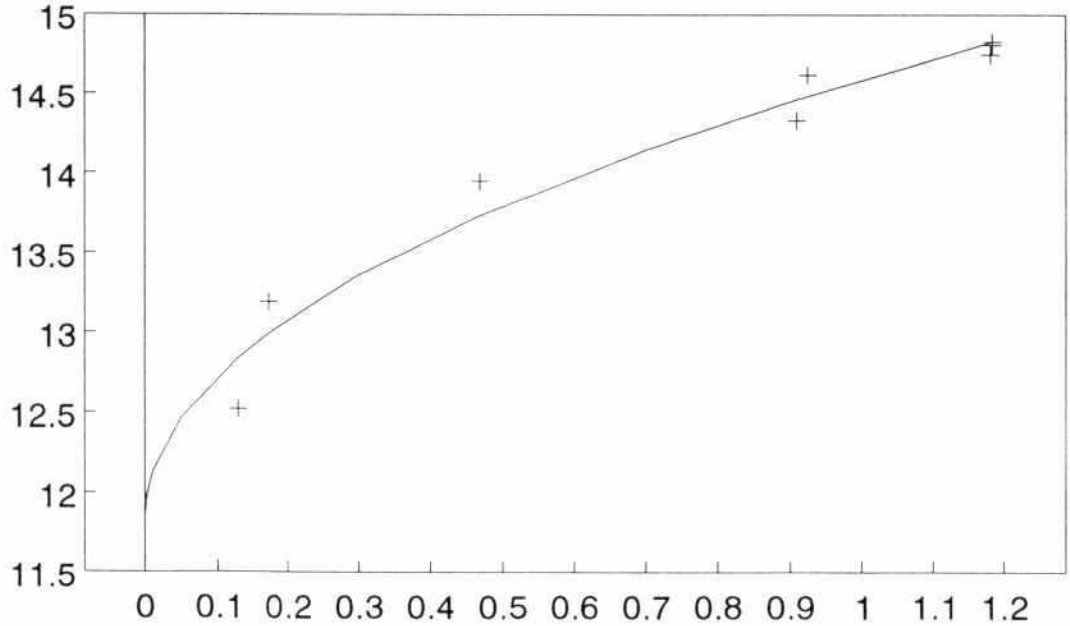
DISCHARGE MEASUREMENT ANALYSIS

Gauge 13 – 1993

			Calculated discharge from observed WL		Calculated WL from obser. discharge	
Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Discharge (calculated) m3/s	Difference m3/s	WL (calculated) m	Difference m
14–07–93	14.33	910.00	818.05	91.95	14.46	–0.13
28–07–93	14.75	1181.00	1120.59	60.41	14.83	–0.08
11–08–93	14.81	1184.00	1167.71	16.29	14.83	–0.02
26–08–93	14.83	1184.00	1183.63	0.37	14.83	–0.00
09–09–93	14.62	924.40	1021.84	–97.44	14.49	0.13
22–09–93	13.19	172.10	237.07	–64.97	12.99	0.20
06–10–93	13.95	469.50	585.43	–115.93	13.73	0.22
20–10–93	12.52	128.20	58.70	69.50	12.84	–0.32
			Sum	–39.81		0.00
			Std dev	74.296		0.169

FORMULA	where	
Q = a (H – b) ^ c	a =	132
(if Q < 0 then Q = 0)	b =	11.85
or	c=	2.01
H = (Q/a) ^ (1/c) + b		

WL (m PWD)



+ Observed values

DISCHARGE (Q) (1000 m3/s)

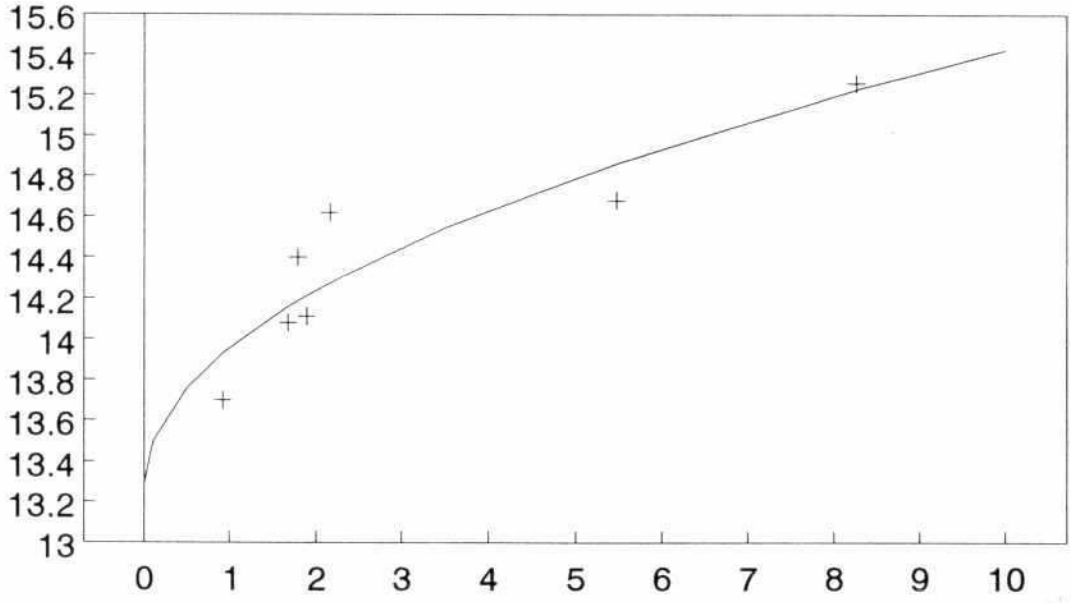
DISCHARGE MEASUREMENT ANALYSIS

Gauge A – 1992

			Calculated discharge from observed WL		Calculated WL from obser. discharge	
Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Discharge (calculated) m3/s	Difference m3/s	WL (calculated) m	Difference m
09–08–92	14.62	2.16	3.92	–1.76	14.27	0.35
23–08–92	13.70	0.92	0.38	0.54	13.93	–0.23
26–07–92	14.40	1.79	2.74	–0.95	14.19	0.21
03–07–92	15.26	8.26	8.53	–0.27	15.23	0.03
12–07–92	14.68	5.47	4.27	1.20	14.86	–0.18
20–09–92	14.08	1.68	1.40	0.28	14.16	–0.08
06–09–92	14.11	1.89	1.50	0.39	14.21	–0.10
			Sum	–0.57		0.00
			Std dev	0.922		0.196

FORMULA	where	
Q = a (H – b) ^ c	a =	2.2
(if Q < 0 then Q = 0)	b =	13.28
or	c=	1.99
H = (Q/a) ^ (1/c) + b		

WL (m PWD)



(Q) (m3/s)

+ Observed values

DISCHARGE (Q) (m3/s)

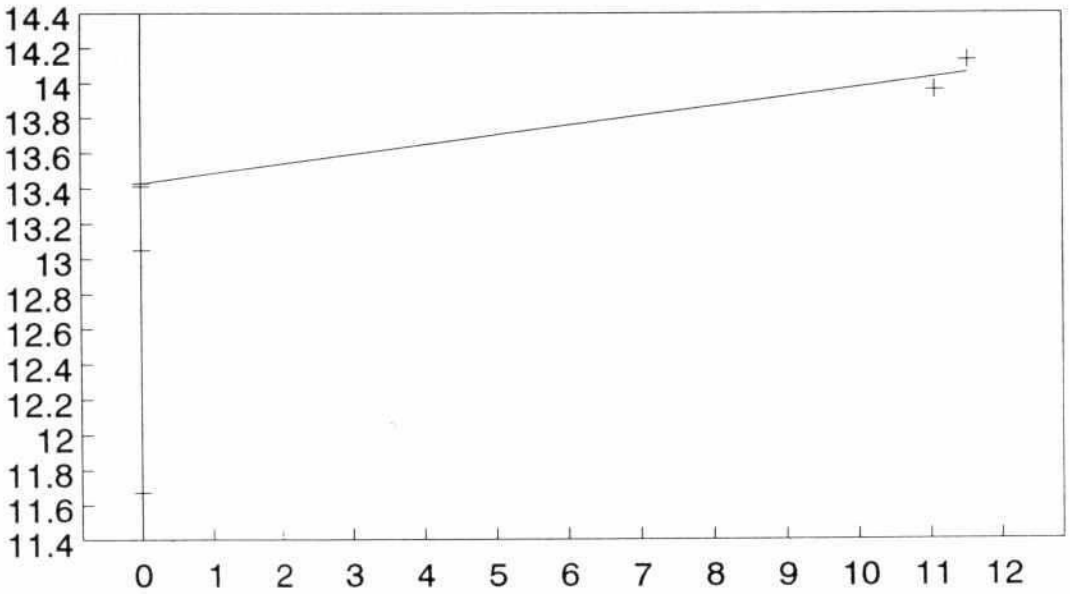
DISCHARGE MEASUREMENT ANALYSIS

Gauge I – 1994

			Calculated discharge from observed WL		Calculated WL from obser. discharge	
Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Discharge (calculated) m3/s	Difference m3/s	WL (calculated) m	Difference m
04–07–94	13.96	11.07	9.74	1.33	14.03	–0.07
17–07–94	13.05	0	0.00	0.00	13.43	
04–08–94	13.43	0	0.00	0.00	13.43	–0.00
19–08–94	14.13	11.53	12.87	–1.34	14.06	0.07
02–09–94	13.41	0	0.00	0.00	13.43	
16–09–94	11.67	0	0.00	0.00	13.43	
			Sum			0.00
			Std dev	0.770		0.059

FORMULA	where	
Q = a (H – b) ^ c	a =	18.39
(if Q < 0 then Q = 0)	b =	13.43
or	c=	1
H = (Q/a) ^ (1/c) + b		

WL (m PWD)



(Q) (m3/s)

+ Observed values

DISCHARGE (Q) (m3/s)

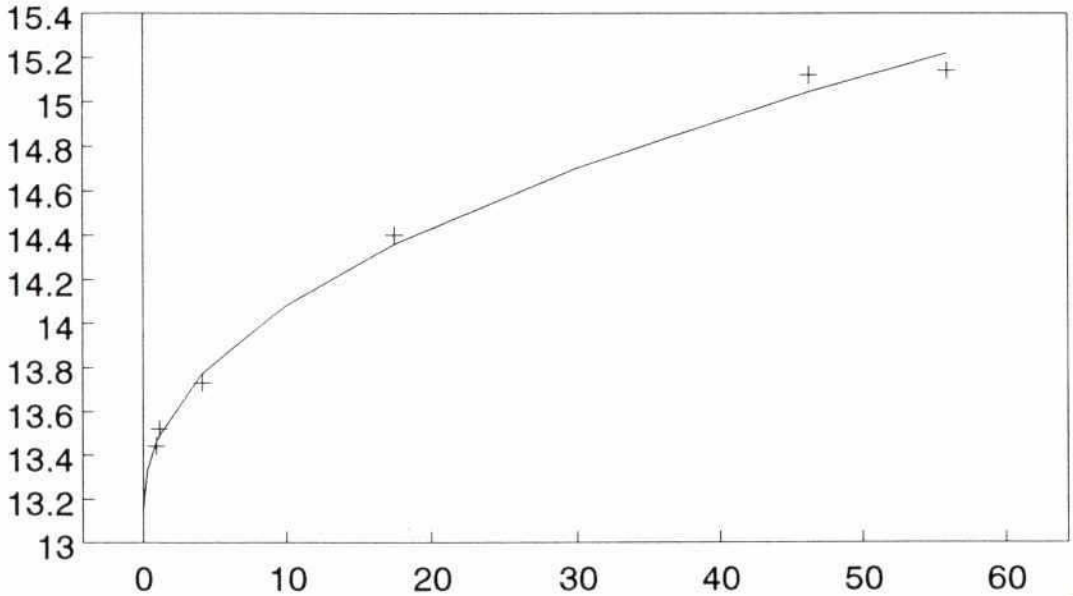
DISCHARGE MEASUREMENT ANALYSIS

Gauge G – 1994

			Calculated discharge from observed WL		Calculated WL from obser. discharge	
Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Discharge (calculated) m3/s	Difference m3/s	WL (calculated) m	Difference m
06–07–94	15.14	55.98	51.48	4.50	15.22	–0.08
19–07–94	13.52	1.13	1.34	–0.21	13.49	0.03
03–08–94	14.40	17.51	18.82	–1.31	14.36	0.04
18–08–94	15.12	46.28	50.37	–4.09	15.04	0.08
04–09–94	13.73	4.19	3.56	0.63	13.77	–0.04
18–09–94	13.44	0.92	0.79	0.13	13.46	–0.02
			Sum			–0.00
			Std dev	2.553		0.053

FORMULA	where	
Q = a (H – b) ^ c	a =	11.68
(if Q < 0 then Q = 0)	b =	13.15
or	c=	2.16
H = (Q/a) ^ (1/c) + b		

WL (m PWD)



(Q) (m3/s)

+ Observed values

DISCHARGE (Q) (m3/s)

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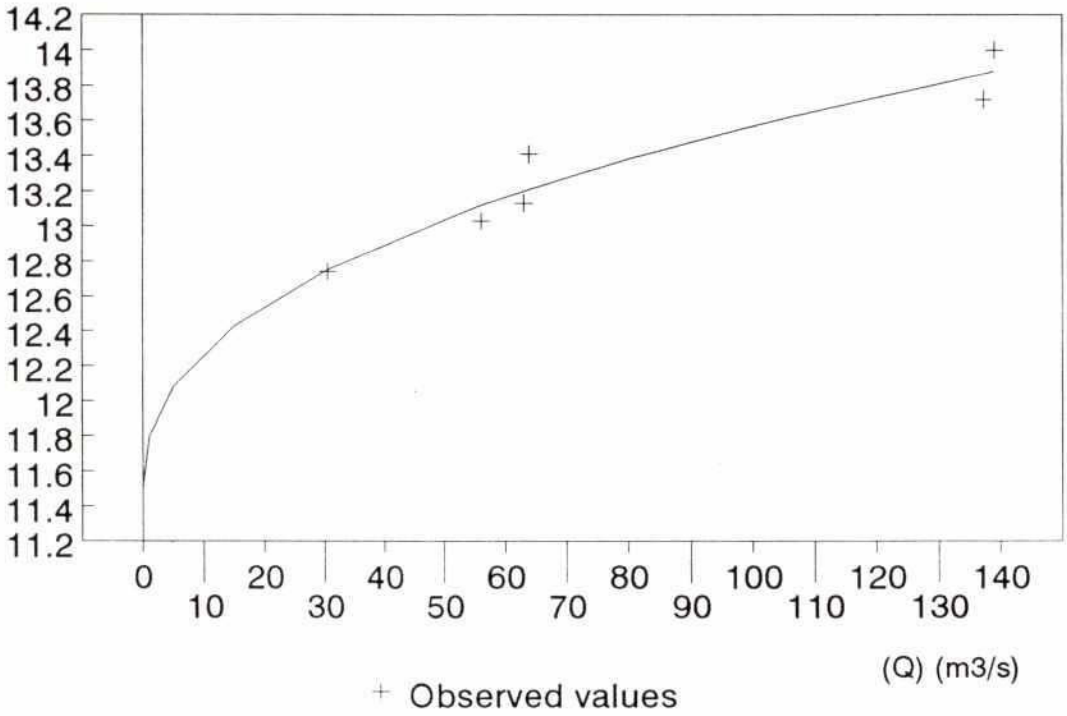
DISCHARGE MEASUREMENT ANALYSIS

Gauge K – 1994

			Calculated discharge from observed WL		Calculated WL from obser. discharge	
Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Discharge (calculated) m3/s	Difference m3/s	WL (calculated) m	Difference m
04–07–94	13.72	137.23	118.10	19.13	13.87	–0.15
17–07–94	13.03	56.11	49.01	7.10	13.12	–0.09
04–08–94	13.41	63.83	82.77	–18.94	13.21	0.20
19–08–94	14.00	139.07	156.39	–17.32	13.88	0.12
02–09–94	13.13	62.99	56.92	6.07	13.20	–0.07
16–09–94	12.74	30.58	29.85	0.73	12.75	–0.01
			Sum			0.00
			Std dev	13.606		0.122

FORMULA	where	
Q = a (H – b) ^ c	a =	17.73
(if Q < 0 then Q = 0)	b =	11.49
or	c=	2.37
H = (Q/a) ^ (1/c) + b		

WL (m PWD)



DISCHARGE (Q) (m3/s)

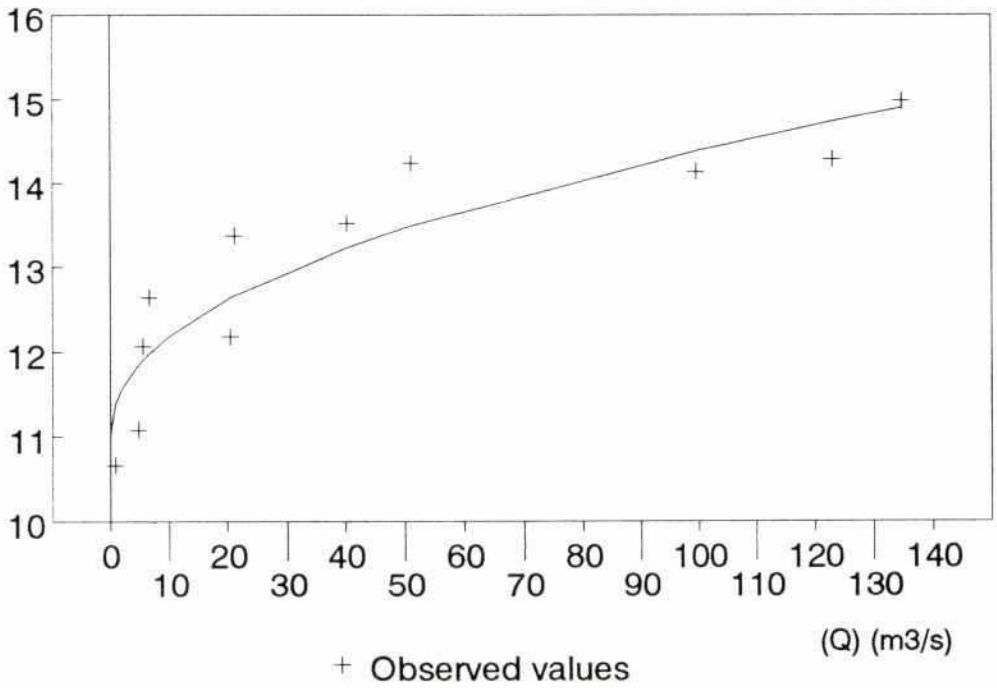
DISCHARGE MEASUREMENT ANALYSIS

Gauge L – 1992 (134A – Baushi bridge)

			Calculated discharge from observed WL		Calculated WL from obser. discharge	
Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Discharge (calculated) m3/s	Difference m3/s	WL (calculated) m	Difference m
23–07–92	14.29	123.02	93.43	29.59	14.74	–0.45
06–08–92	14.14	99.55	84.43	15.12	14.39	–0.25
20–08–92	13.37	21.21	45.84	–24.63	12.66	0.71
16–04–92	10.66	0.89	0.00	0.89	11.39	–0.73
09–07–92	14.24	51.02	90.37	–39.35	13.49	0.75
11–06–92	12.07	5.64	8.10	–2.46	11.91	0.16
25–06–92	12.64	6.69	20.57	–13.88	11.98	0.66
28–05–92	12.18	20.56	10.03	10.53	12.64	–0.46
14–05–92	11.08	4.83	0.02	4.81	11.85	–0.77
17–09–92	13.52	40.25	52.37	–12.12	13.23	0.29
03–09–92	14.98	134.76	141.18	–6.42	14.90	0.08
			Sum	–37.92		0.00
			Std dev	18.217		0.540

FORMULA	where	
Q = a (H – b) ^ c	a =	7.2
(if Q < 0 then Q = 0)	b =	11.01
or	c=	2.16
H = (Q/a) ^ (1/c) + b		

WL (m PWD)



+ Observed values

DISCHARGE (Q) (m3/s)

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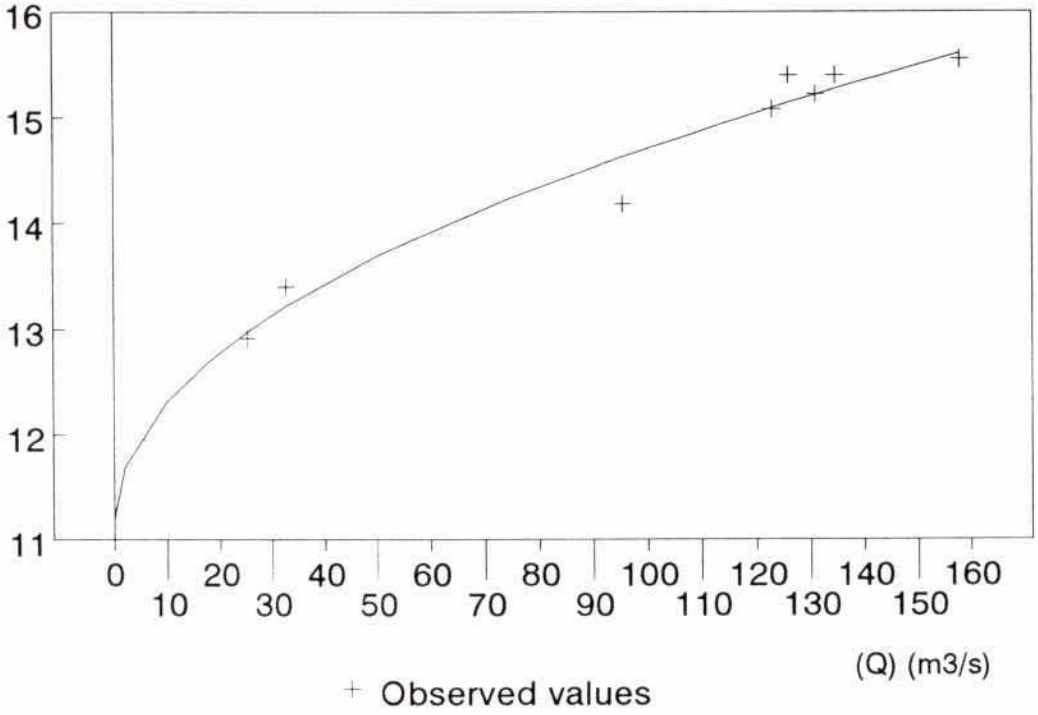
DISCHARGE MEASUREMENT ANALYSIS

Gauge L – 1993 (134A – Baushi bridge)

			Calculated discharge from observed WL		Calculated WL from obser. discharge	
Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Discharge (calculated) m3/s	Difference m3/s	WL (calculated) m	Difference m
13–07–93	15.22	131.00	131.34	–0.34	15.21	0.01
27–07–93	15.55	158.00	153.95	4.05	15.61	–0.06
10–08–93	15.08	123.00	122.29	0.71	15.09	–0.01
23–08–93	15.40	126.00	143.44	–17.44	15.14	0.26
07–09–93	15.40	134.70	143.44	–8.74	15.27	0.13
21–09–93	13.40	32.80	39.08	–6.28	13.22	0.18
05–10–93	14.18	95.50	71.91	23.59	14.63	–0.45
19–10–93	12.91	25.30	23.58	1.72	12.97	–0.06
			Sum	–2.74		–0.00
			Std dev	11.156		0.203

FORMULA	where	
Q = a (H – b) ^ c	a =	7.85
(if Q < 0 then Q = 0)	b =	11.19
or	c=	2.02
H = (Q/a) ^ (1/c) + b		

WL (m PWD)



DISCHARGE (Q) (m3/s)

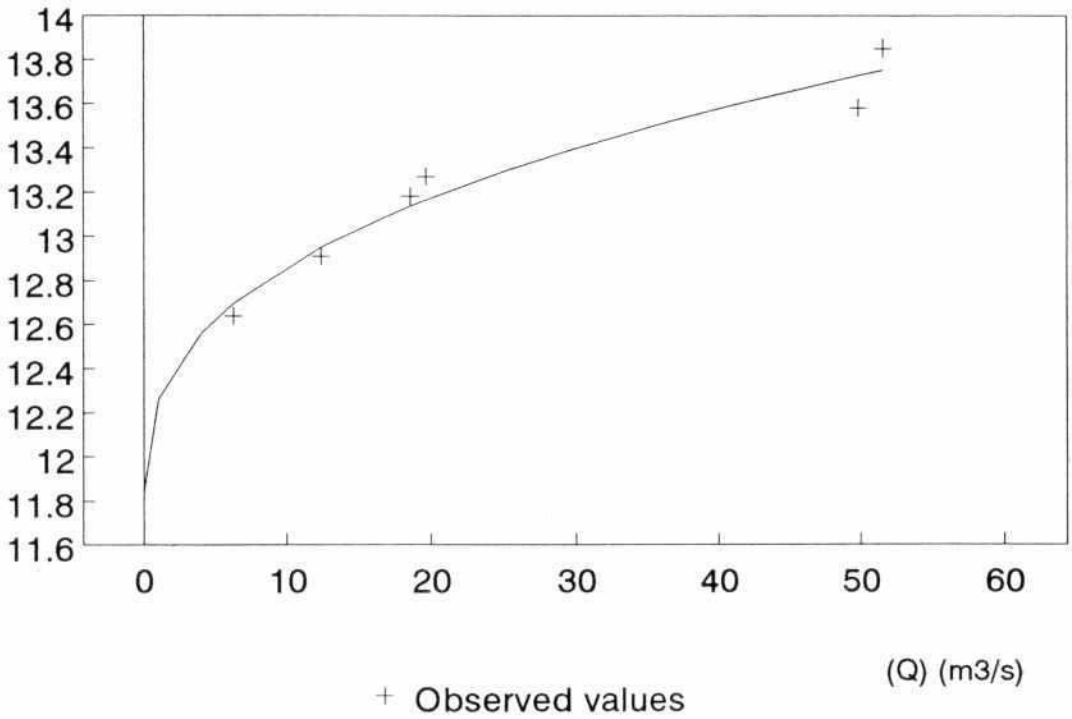
DISCHARGE MEASUREMENT ANALYSIS

Gauge L – 1994 (Baushi bridge)

			Calculated discharge from observed WL		Calculated WL from obser. discharge	
Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Discharge (calculated) m3/s	Difference m3/s	WL (calculated) m	Difference m
05–07–94	13.58	49.88	40.24	9.64	13.73	–0.15
17–07–94	12.91	12.40	11.25	1.15	12.95	–0.04
04–08–94	13.27	19.69	24.05	–4.36	13.16	0.11
19–08–94	13.85	51.62	58.76	–7.14	13.75	0.10
02–09–94	13.18	18.60	20.28	–1.68	13.14	0.04
16–09–94	12.64	6.28	5.25	1.03	12.70	–0.06
			Sum			–0.00
			Std dev	5.289		0.091

FORMULA	where	
Q = a (H – b) ^ c	a =	9.32
(if Q < 0 then Q = 0)	b =	11.84
or	c=	2.63
H = (Q/a) ^ (1/c) + b		

WL (m PWD)



DISCHARGE (Q) (m3/s)

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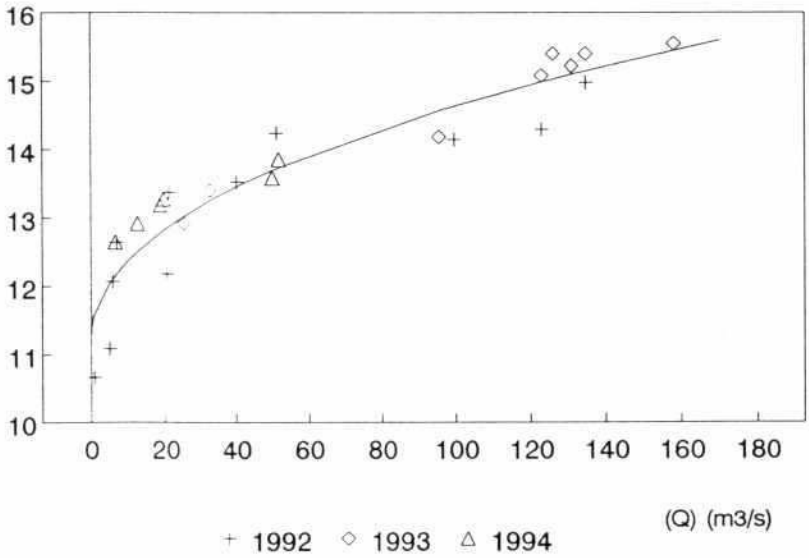
DISCHARGE MEASUREMENT ANALYSIS

Gauge L – 1992, 1993 and 1994 (Baushi Bridge)

			Calculated discharge from observed WL		Calculated WL from obser. discharge	
Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Discharge (calculated) m3/s	Difference m3/s	WL (calculated) m	Difference m
23-07-92	14.29	123.02	79.46	43.56	14.99	-0.70
06-08-92	14.14	99.55	71.38	28.17	14.63	-0.49
20-08-92	13.37	21.21	37.14	-15.93	12.87	0.50
16-04-92	10.66	0.89	0.00	0.89	11.58	-0.92
09-07-92	14.24	51.02	76.71	-25.69	13.72	0.52
11-06-92	12.07	5.64	5.23	0.41	12.10	-0.03
25-06-92	12.64	6.69	15.39	-8.70	12.18	0.46
28-05-92	12.18	20.56	6.75	13.81	12.85	-0.67
14-05-92	11.08	4.83	0.00	4.83	12.04	-0.96
17-09-92	13.52	40.25	42.88	-2.63	13.45	0.07
03-09-92	14.98	134.76	122.65	12.11	15.15	-0.17
13-07-93	15.22	131.00	140.04	-9.04	15.10	0.12
27-07-93	15.55	158.00	165.99	-7.99	15.45	0.10
10-08-93	15.08	123.00	129.74	-6.74	14.99	0.09
23-08-93	15.40	126.00	153.90	-27.90	15.03	0.37
07-09-93	15.40	134.70	153.90	-19.20	15.15	0.25
21-09-93	13.40	32.80	38.25	-5.45	13.25	0.15
05-10-93	14.18	95.50	73.49	22.01	14.57	-0.39
19-10-93	12.91	25.30	22.26	3.04	13.02	-0.11
05-07-94	13.58	49.88	45.30	4.58	13.69	-0.11
17-07-94	12.91	12.40	22.26	-9.86	12.50	0.41
04-08-94	13.27	19.69	33.56	-13.87	12.82	0.45
19-08-94	13.85	51.62	57.08	-5.46	13.73	0.12
02-09-94	13.18	18.60	30.50	-11.90	12.77	0.41
16-09-94	12.64	6.28	15.39	-9.11	12.15	0.49
			Sum			-0.00
			Std dev	15.989		0.444

FORMULA	where	
Q = a (H – b) ^ c	a =	6.9
(if Q < 0 then Q = 0)	b =	11.19
or	c=	2.16
H = (Q/a) ^ (1/c) + b		

WL (m PWD)



DISCHARGE (Q) (m3/s)

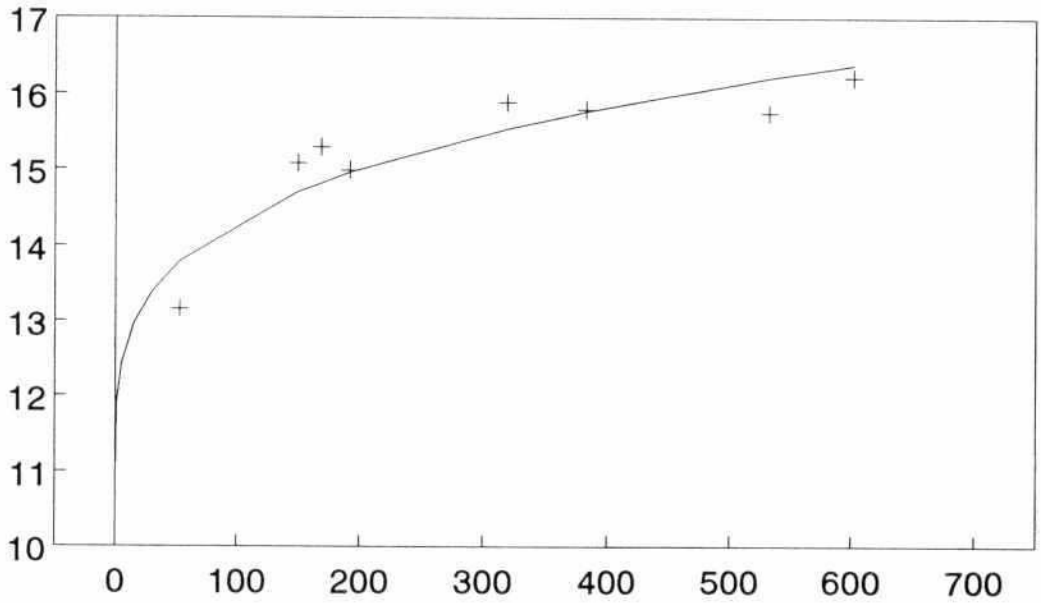
DISCHARGE MEASUREMENT ANALYSIS

Gauge M – 1992 (134B – Jhenai intake)

			Calculated discharge from observed WL		Calculated WL from obser. discharge	
Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Discharge (calculated) m3/s	Difference m3/s	WL (calculated) m	Difference m
19–03–92	14.99	191.86	197.51	–5.65	14.96	0.03
05–08–92	15.75	532.86	377.00	155.86	16.21	–0.46
22–07–92	16.22	602.07	535.72	66.35	16.39	–0.17
08–07–92	15.80	382.64	391.97	–9.33	15.77	0.03
10–06–92	13.16	53.00	21.09	31.91	13.79	–0.63
30–09–92	15.29	168.43	258.30	–89.87	14.82	0.47
16–09–92	15.08	149.93	214.49	–64.56	14.70	0.38
02–09–92	15.89	319.09	420.02	–100.93	15.54	0.35
			Sum	–16.23		0.00
			Std dev	80.800		0.374

FORMULA	where	
Q = a (H – b) ^ c	a =	0.84
(if Q < 0 then Q = 0)	b =	10.84
or	c=	3.84
H = (Q/a) ^ (1/c) + b		

WL (m PWD)



(Q) (m3/s)

+ Observed values

DISCHARGE (Q) (m3/s)

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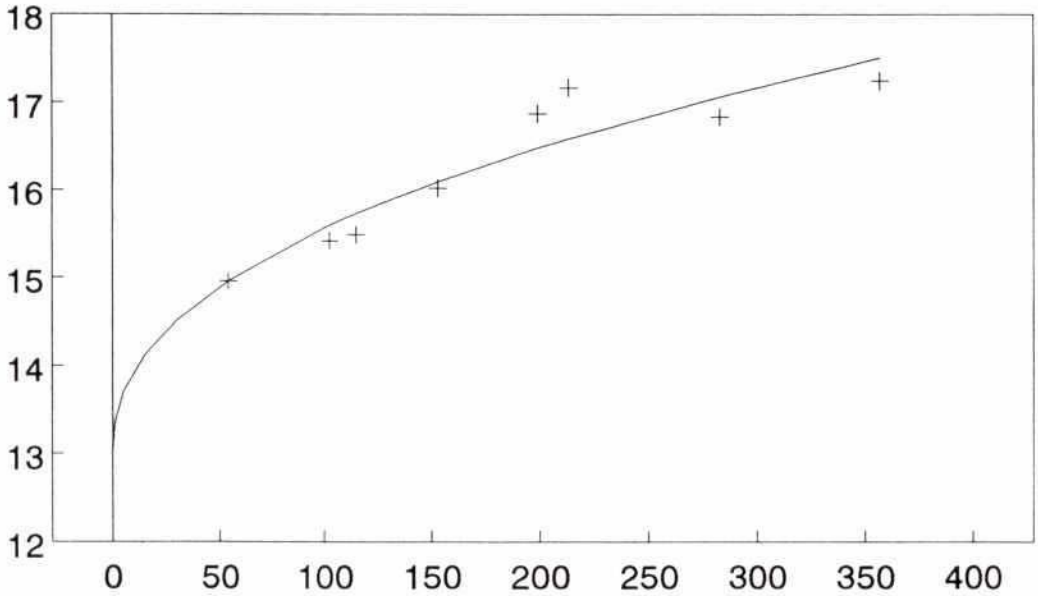
DISCHARGE MEASUREMENT ANALYSIS

Gauge M – 1993 (134B – Jhenai intake)

			Calculated discharge from observed WL		Calculated WL from obser. discharge	
Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Discharge (calculated) m3/s	Difference m3/s	WL (calculated) m	Difference m
09–07–93	16.84	282.80	248.83	33.97	17.06	–0.22
23–07–93	17.25	357.00	312.98	44.02	17.50	–0.25
06–08–93	16.02	153.00	144.41	8.59	16.10	–0.08
20–08–93	16.88	199.00	254.73	–55.73	16.48	0.40
03–09–93	17.17	213.00	299.83	–86.83	16.59	0.58
17–09–93	15.42	103.00	87.32	15.68	15.60	–0.18
01–10–93	15.49	115.40	93.17	22.23	15.74	–0.25
15–10–93	14.96	54.10	54.00	0.10	14.96	–0.00
			Sum	–17.98		0.00
			Std dev	42.588		0.300

FORMULA	where	
Q = a (H – b) ^ c	a =	12.49
(if Q < 0 then Q = 0)	b =	13.04
or	c=	2.24
H = (Q/a) ^ (1/c) + b		

WL (m PWD)



(Q) (m3/s)

+ Observed values

DISCHARGE (Q) (m3/s)

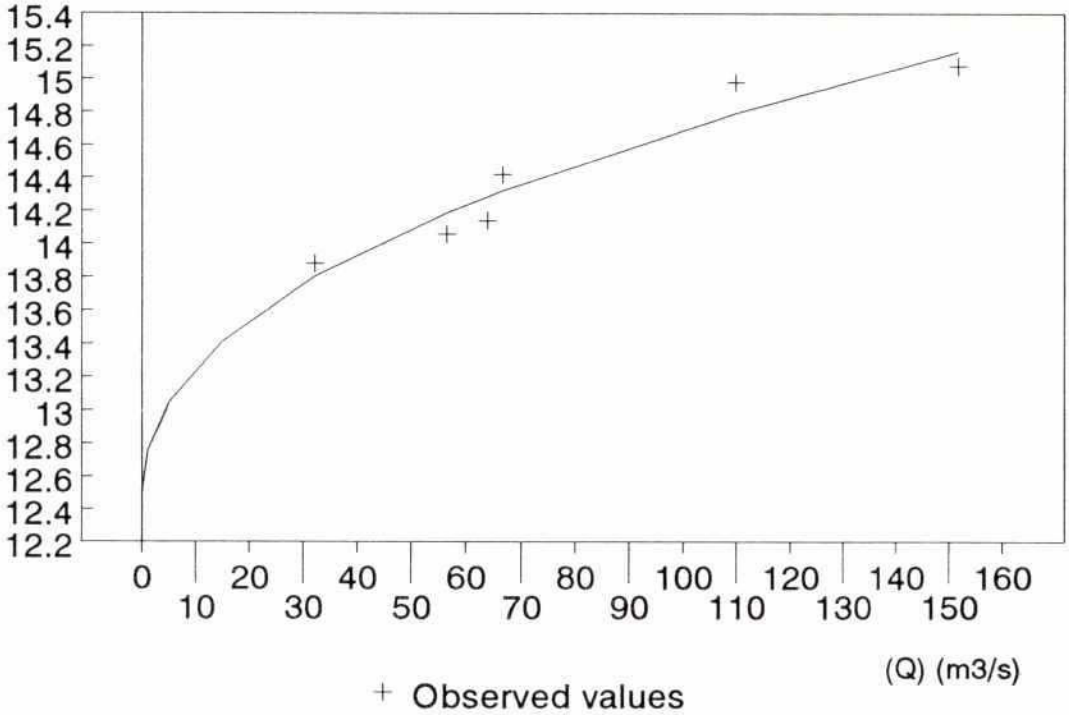
DISCHARGE MEASUREMENT ANALYSIS

Gauge M – 1994 (Jhenai intake)

			Calculated discharge from observed WL		Calculated WL from obser. discharge	
Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Discharge (calculated) m3/s	Difference m3/s	WL (calculated) m	Difference m
05–07–94	15.08	151.86	141.44	10.42	15.17	–0.09
19–07–94	13.88	32.22	36.60	–4.38	13.80	0.08
05–08–94	14.42	66.68	74.67	–7.99	14.32	0.10
20–08–94	14.98	109.88	129.85	–19.97	14.80	0.18
05–09–94	14.14	63.92	53.13	10.79	14.29	–0.15
19–09–94	14.06	56.59	47.69	8.90	14.19	–0.13
			Sum			0.00
			Std dev	11.441		0.126

FORMULA	where	
Q = a (H – b) ^ c	a =	17.96
(if Q < 0 then Q = 0)	b =	12.49
or	c=	2.17
H = (Q/a) ^ (1/c) + b		

WL (m PWD)



+ Observed values

DISCHARGE (Q) (m3/s)

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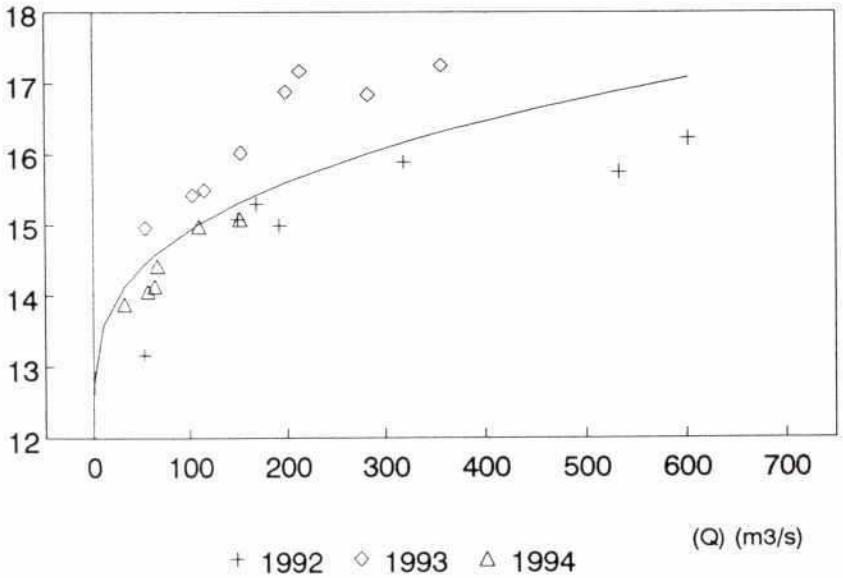
DISCHARGE MEASUREMENT ANALYSIS

Gauge M – 1992, 1993 and 1994 (Jhenai intake)

			Calculated discharge from observed WL		Calculated WL from obser. discharge	
Date	(H) WL (observed) m	(Q) Discharge (observed) m3/s	Discharge (calculated) m3/s	Difference m3/s	WL (calculated) m	Difference m
19-03-92	14.99	191.86	107.15	84.71	15.56	-0.57
05-08-92	15.75	532.86	227.51	305.35	16.89	-1.14
22-07-92	16.22	602.07	333.48	268.59	17.08	-0.86
08-07-92	15.80	382.64	237.55	145.09	16.41	-0.61
10-06-92	13.16	53.00	2.62	50.38	14.44	-1.28
30-09-92	15.29	168.43	147.76	20.67	15.42	-0.13
16-09-92	15.08	149.93	118.45	31.48	15.30	-0.22
02-09-92	15.89	319.09	256.35	62.74	16.16	-0.27
09-07-93	16.84	282.80	516.14	-233.34	16.01	0.83
23-07-93	17.25	357.00	666.69	-309.69	16.31	0.94
06-08-93	16.02	153.00	285.17	-132.17	15.32	0.70
20-08-93	16.88	199.00	529.74	-330.74	15.60	1.28
03-09-93	17.17	213.00	635.34	-422.34	15.68	1.49
17-09-93	15.42	103.00	168.06	-65.06	14.96	0.46
01-10-93	15.49	115.40	179.70	-64.30	15.06	0.43
15-10-93	14.96	54.10	103.54	-49.44	14.45	0.51
05-07-94	15.08	151.86	118.45	33.41	15.32	-0.24
19-07-94	13.88	32.22	20.35	11.87	14.13	-0.25
05-08-94	14.42	66.68	51.48	15.20	14.60	-0.18
20-08-94	14.98	109.88	105.94	3.94	15.01	-0.03
05-09-94	14.14	63.92	33.04	30.88	14.57	-0.43
19-09-94	14.06	56.59	28.71	27.88	14.49	-0.43
			Sum			0.00
			Std dev	173.084		0.727

FORMULA	where	
Q = a (H – b) ^ c	a =	7.75
(if Q < 0 then Q = 0)	b =	12.48
or	c=	2.85
H = (Q/a) ^ (1/c) + b		

WL (m PWD)



DISCHARGE (Q) (m3/s)

APPENDIX - F

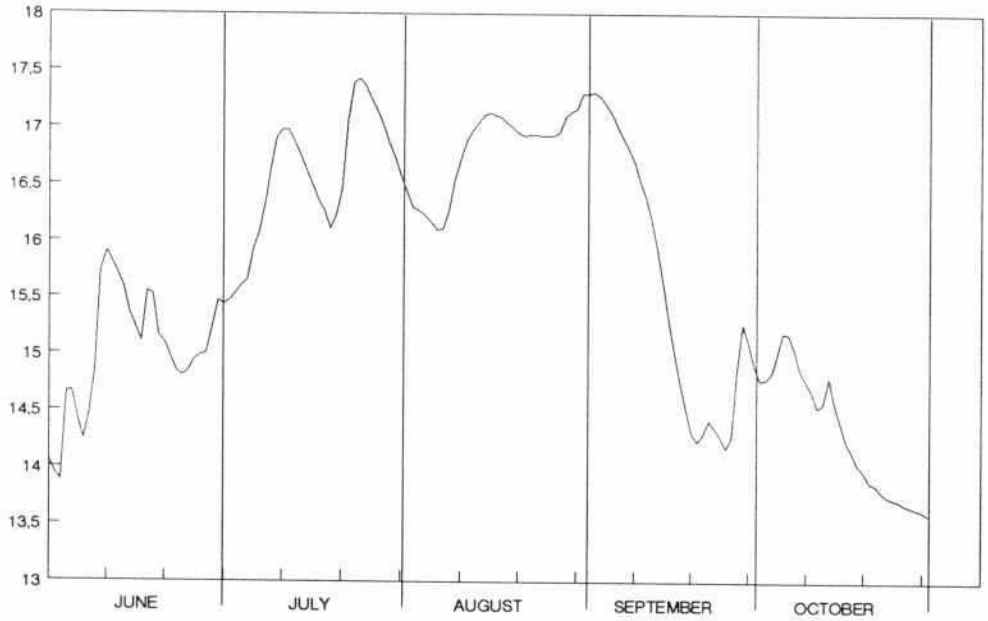
WATER LEVEL MEASUREMENTS

AND

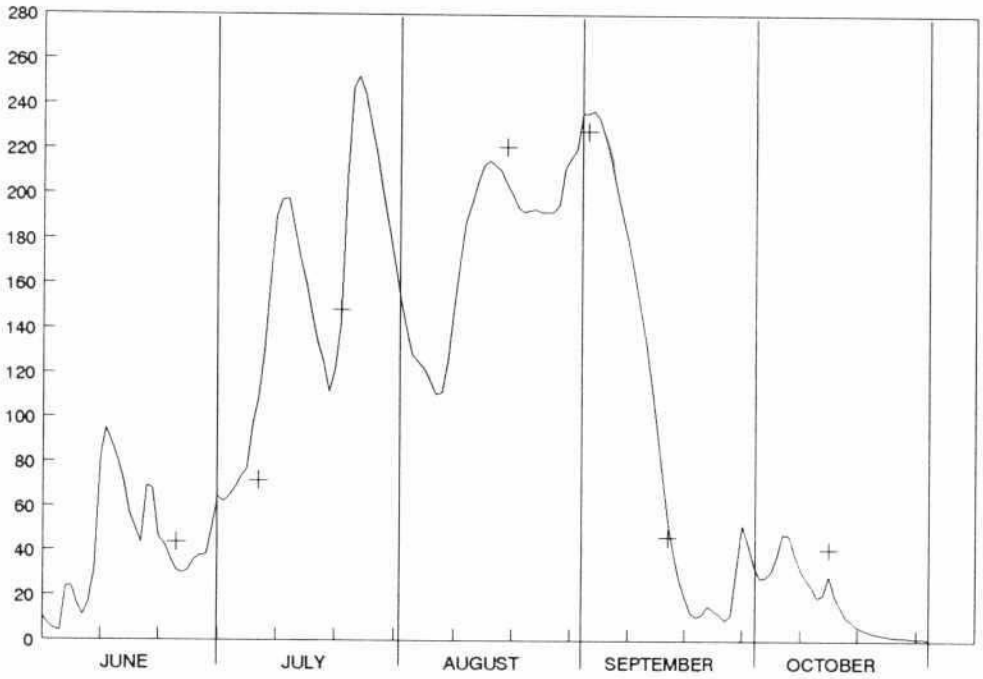
DISCHARGE EVALUATION

WATER LEVEL MEASUREMENTS AND DISCHARGE EVALUATION
GAUGE 6 – 1993

OBSERVED WATER LEVEL (m)



DISCHARGE – calculated (–) (m3/s)



Formula used : Q = a (H – b) ^ c

Where : a = 12,54

b = 13,31

c = 2,12

Coefficient adjustment year(s) : 1993

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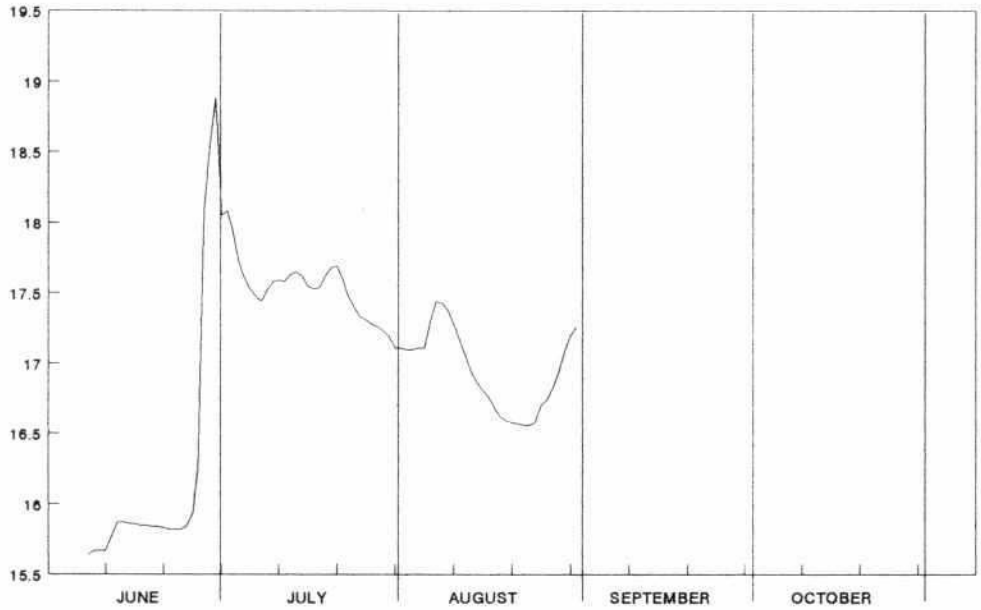
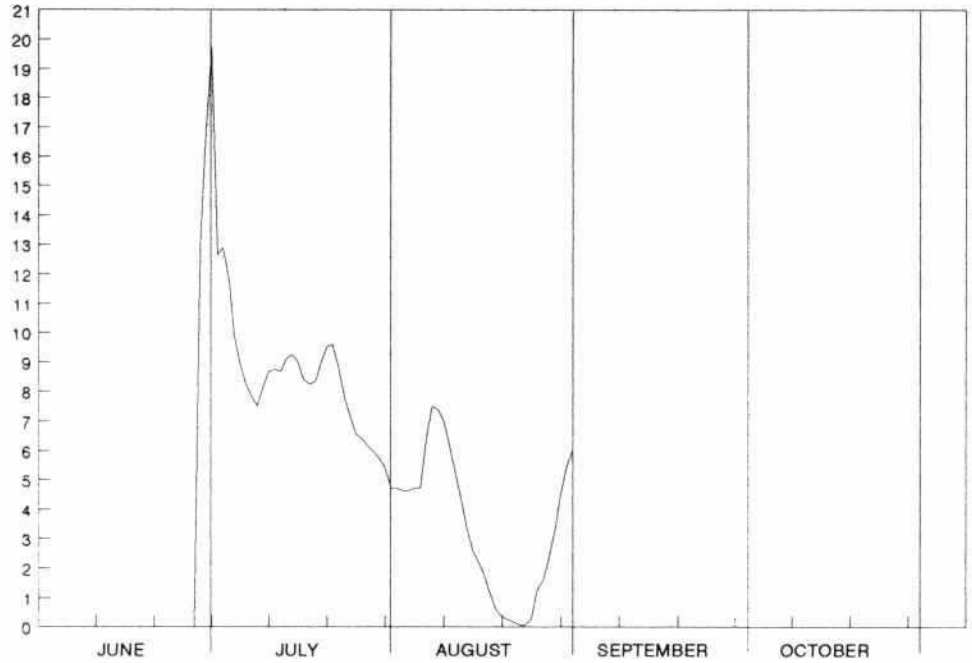
WATER LEVEL MEASUREMENTS AND DISCHARGE EVALUATION
GAUGE 8 – 1992

OBSERVED WATER LEVEL (m)



DISCHARGE – calculated (–) (m3/s)



Formula used : Q = a (H – b) ^ c

Where : a = 8.43

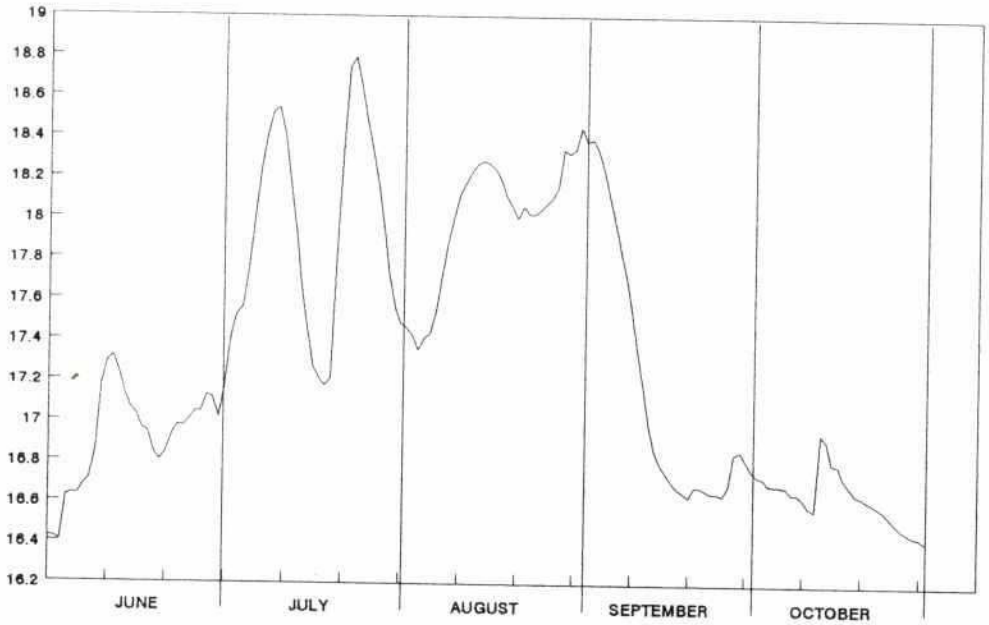
b = 16.55

c = 1

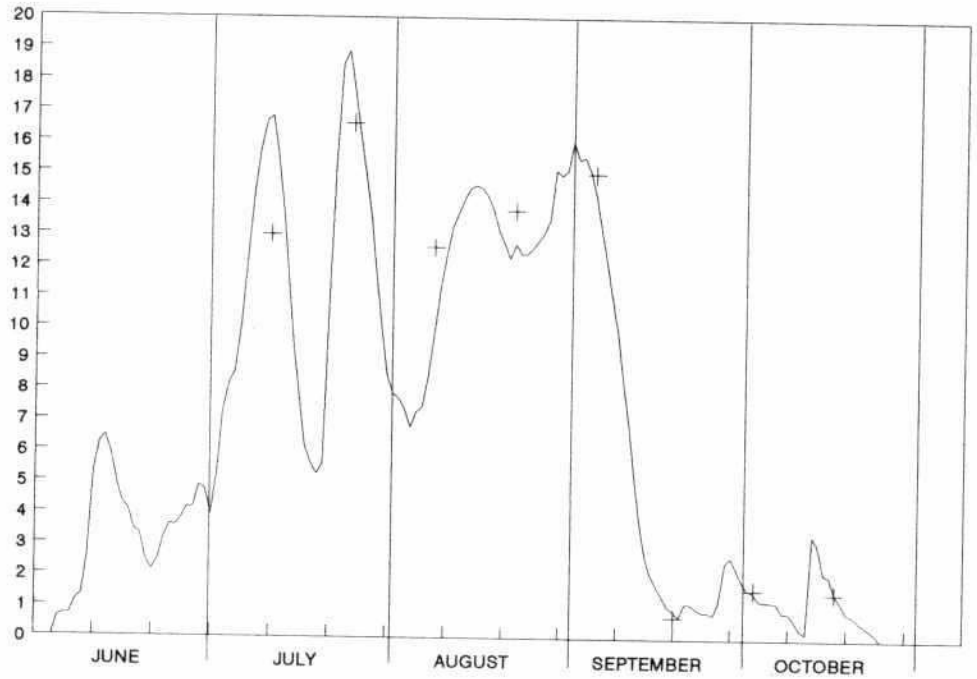
Coefficient adjustment year(s) : 1993

WATER LEVEL MEASUREMENTS AND DISCHARGE EVALUATION
GAUGE 8 – 1993

OBSERVED WATER LEVEL (m)



DISCHARGE – Observed (+) and calculated (–) (m3/s)



Formula used : Q = a (H – b) ^ c

Where : a = 8.43

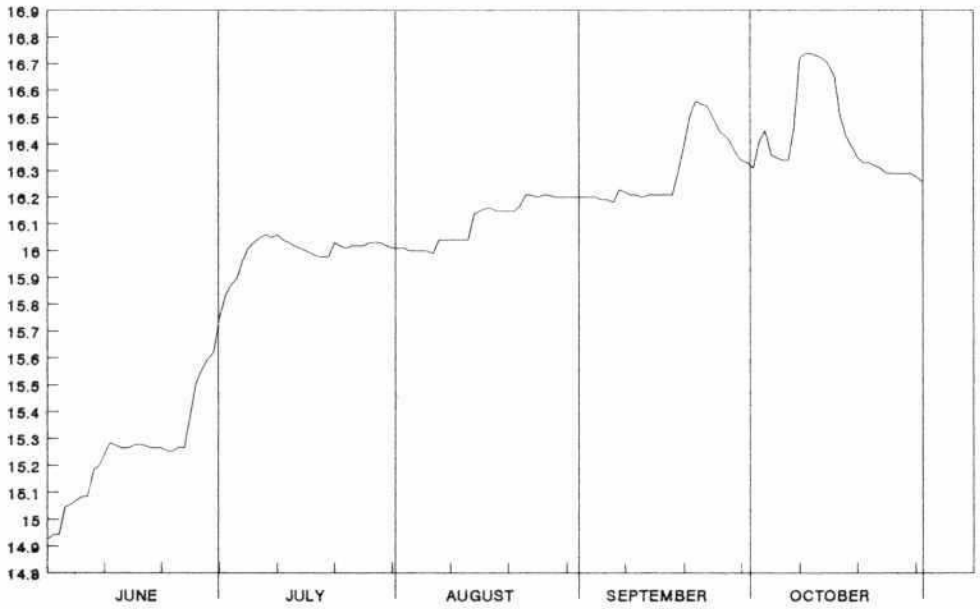
b = 16.55

c = 1

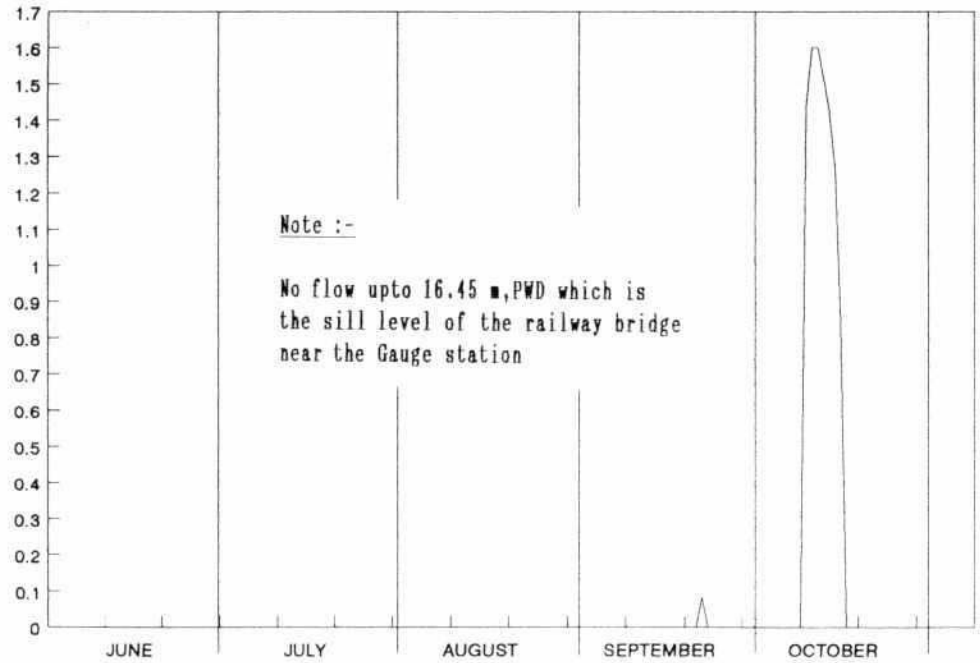
Coefficient adjustment year(s) : 1993

WATER LEVEL MEASUREMENTS AND DISCHARGE EVALUATION
GAUGE 8 – 1994

OBSERVED WATER LEVEL (m)



DISCHARGE – calculated (–) (m3/s)



Formula used : $Q = a (H - b)^c$

Where : a = 8.43

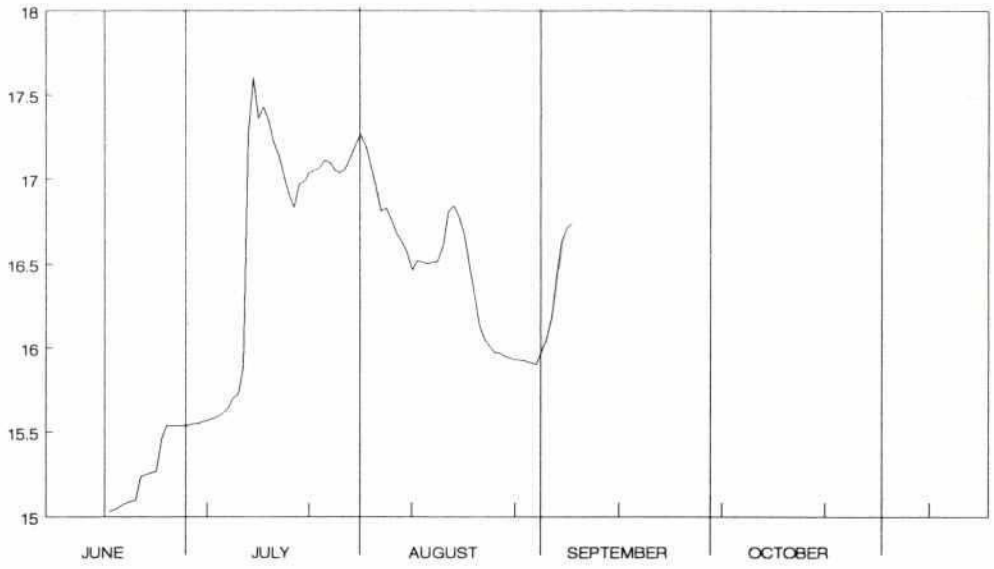
b = 16.55

c = 1

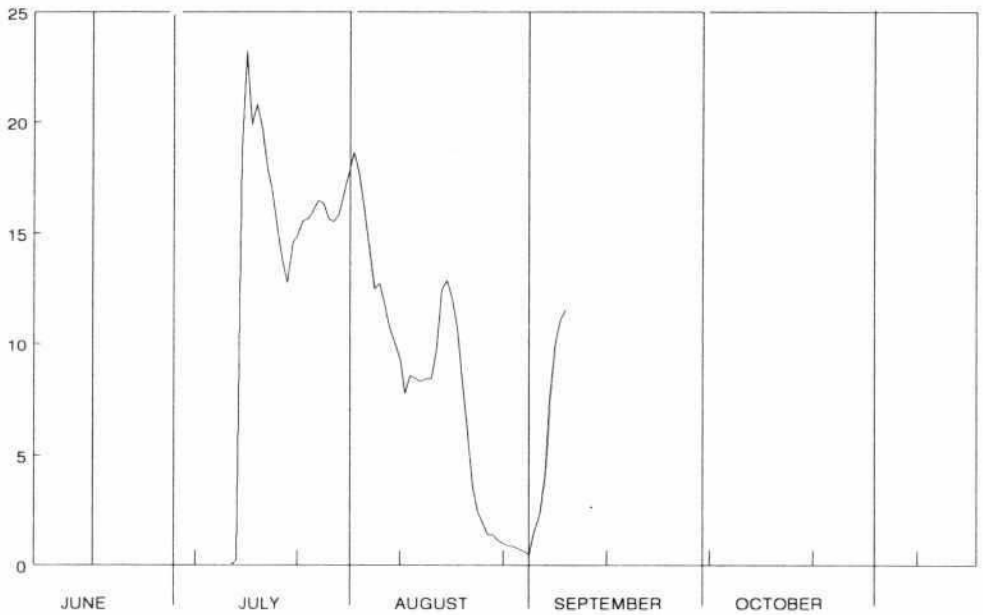
Coefficient adjustment year(s) : 1993

WATER LEVEL MEASUREMENTS AND DISCHARGE EVALUATION
GAUGE 9 - 1992

OBSERVED WATER LEVEL (m)



DISCHARGE - calculated (-) (m3/s)



Formula used : $Q = a (H - b)^c$

Where : a = 13.13

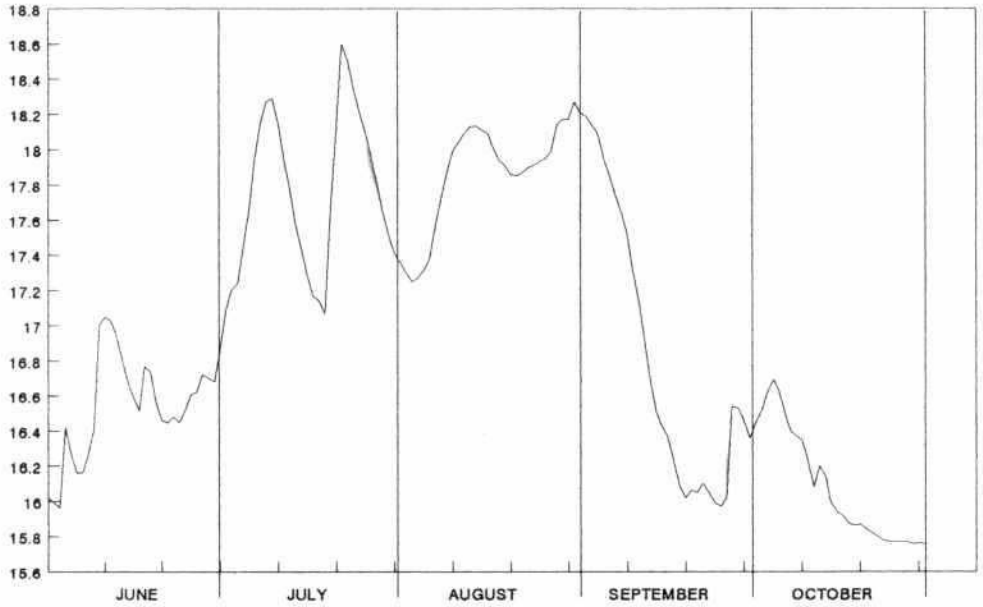
b = 15.86

c = 1.02

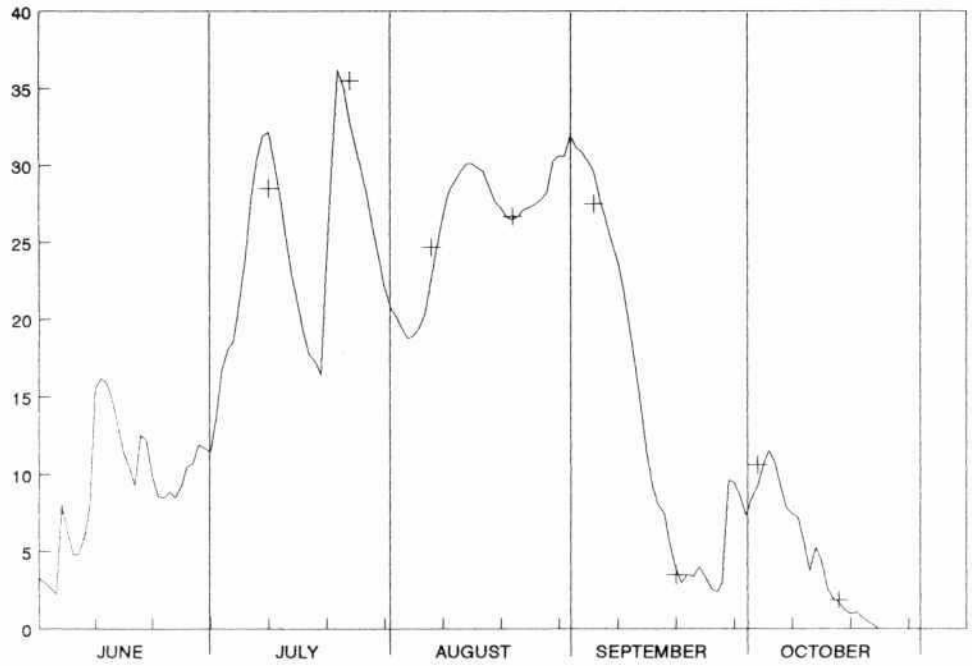
Coefficient adjustment year(s) : 1993 and 1994

WATER LEVEL MEASUREMENTS AND DISCHARGE EVALUATION
GAUGE 9 – 1993

OBSERVED WATER LEVEL (m)



DISCHARGE – Observed (+) and calculated (–) (m3/s)



Formula used : Q = a (H – b) ^ c

Where : a = 12.7

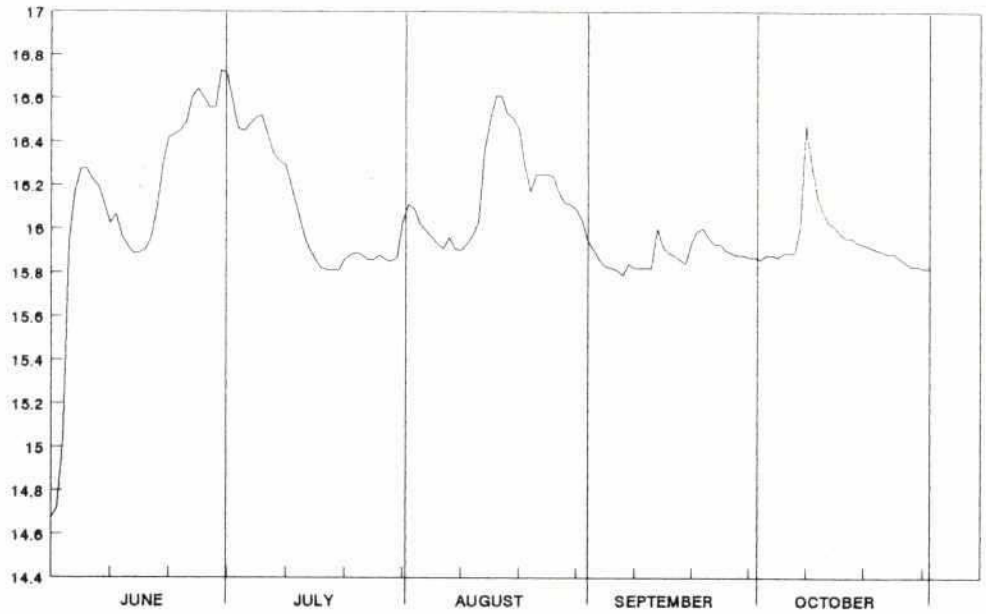
b = 15.78

c = 1.01

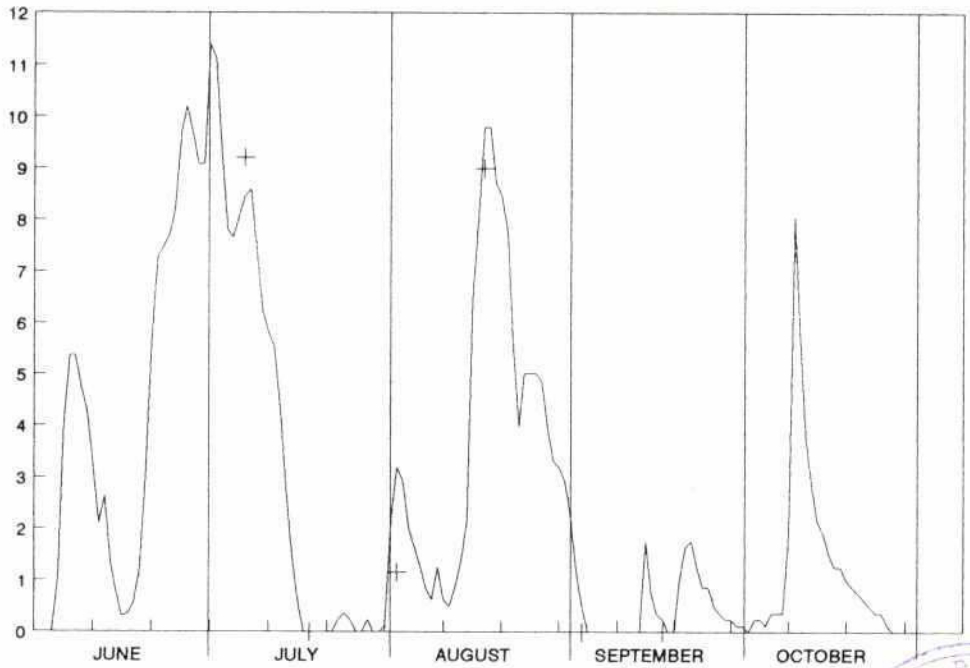
Coefficient adjustment year(s) : 1993

WATER LEVEL MEASUREMENTS AND DISCHARGE EVALUATION
GAUGE 9 – 1994

OBSERVED WATER LEVEL (m)



DISCHARGE – Observed (+) and calculated (–) (m3/s)



Formula used : $Q = a (H - b)^{c}$

Where : a = 13.13

b = 15.86

c = 1.02

Coefficient adjustment year(s) : 1993 and 1994

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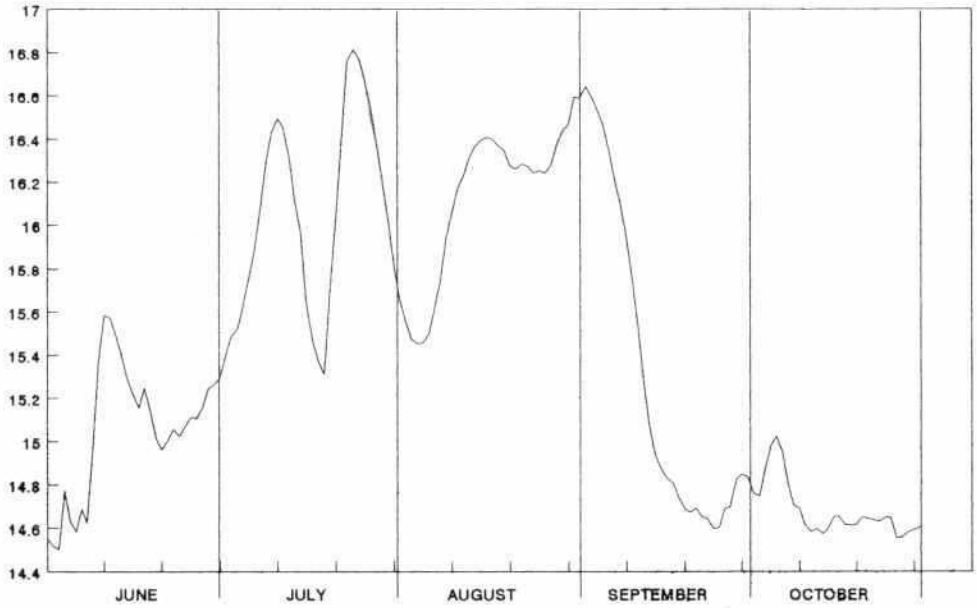
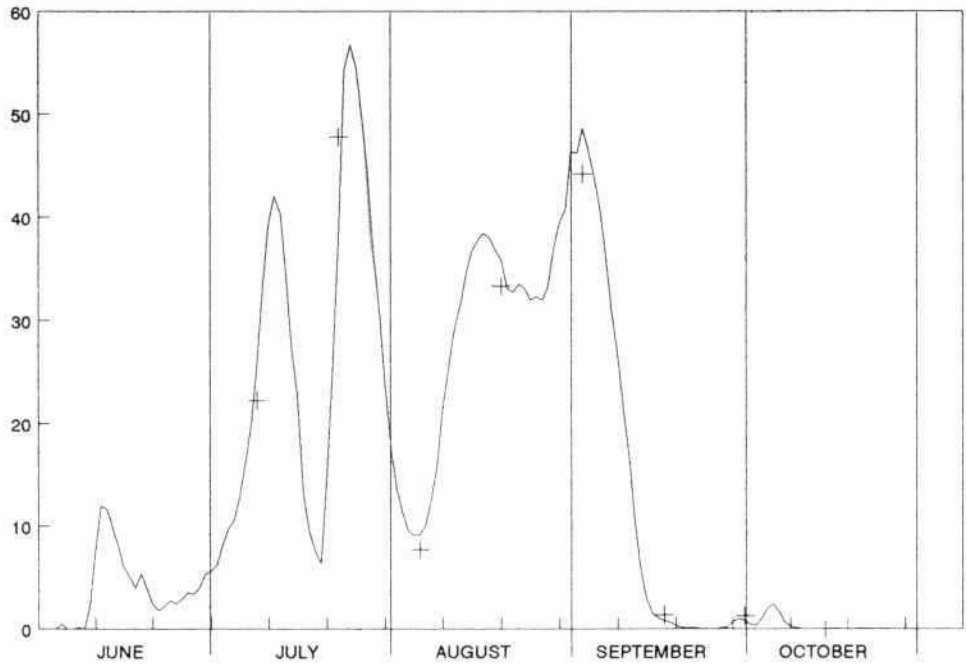
WATER LEVEL MEASUREMENTS AND DISCHARGE EVALUATION
GAUGE 10 – 1993

OBSERVED WATER LEVEL (m)



DISCHARGE – Observed (+) and calculated (–) (m3/s)



Formula used : Q = a (H – b) ^ c

Where : a = 11.85

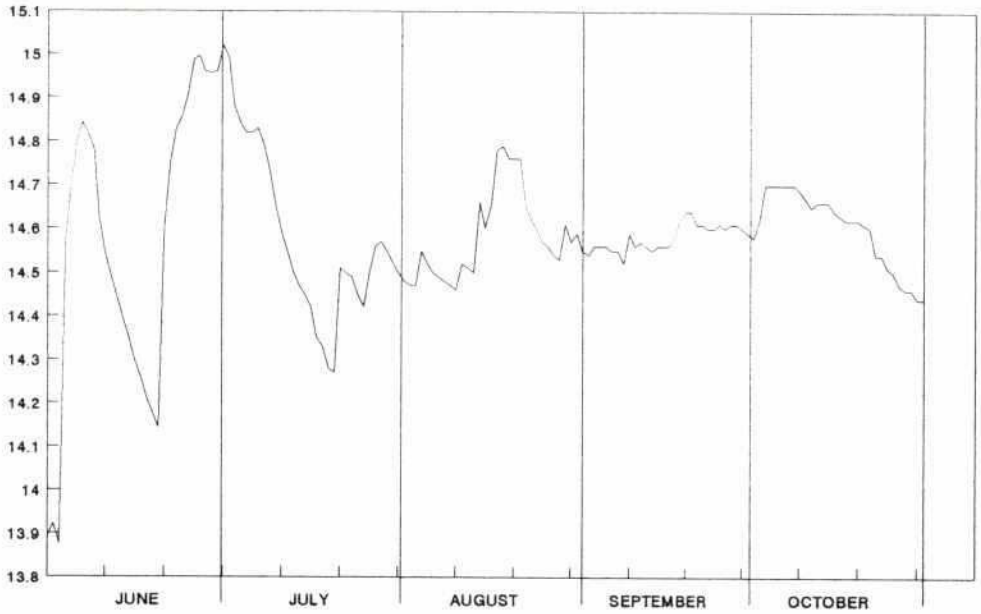
b = 14.58

c = 1.95

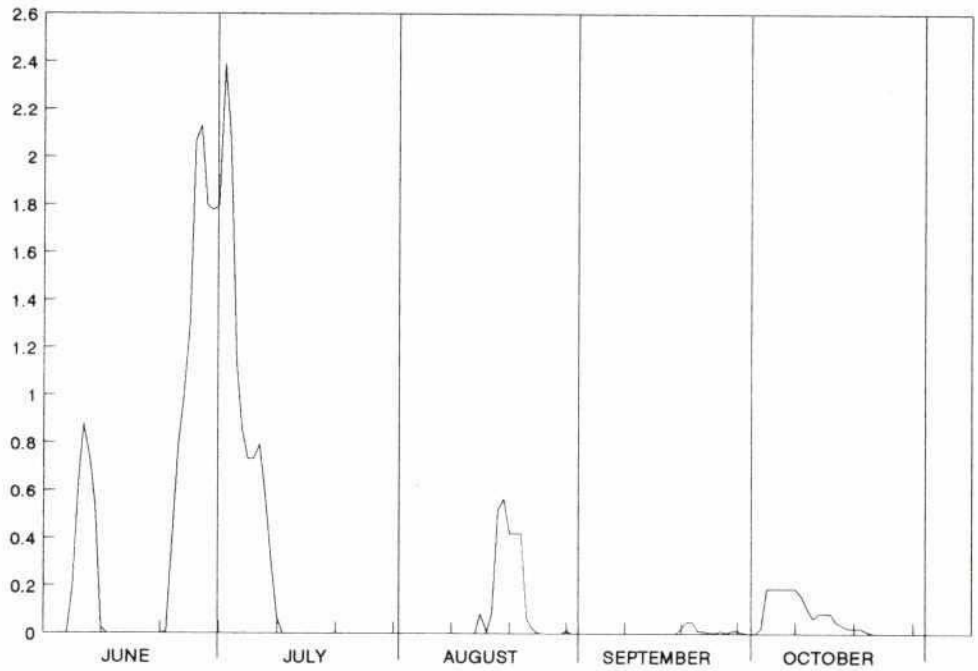
Coefficient adjustment year(s) : 1993

WATER LEVEL MEASUREMENTS AND DISCHARGE EVALUATION
GAUGE 10 – 1994

OBSERVED WATER LEVEL (m)



DISCHARGE – calculated (–) (m3/s)



Formula used : Q = a (H – b) ^ c

Where : a = 11.85

b = 14.58

c = 1.95

Coefficient adjustment year(s) : 1993

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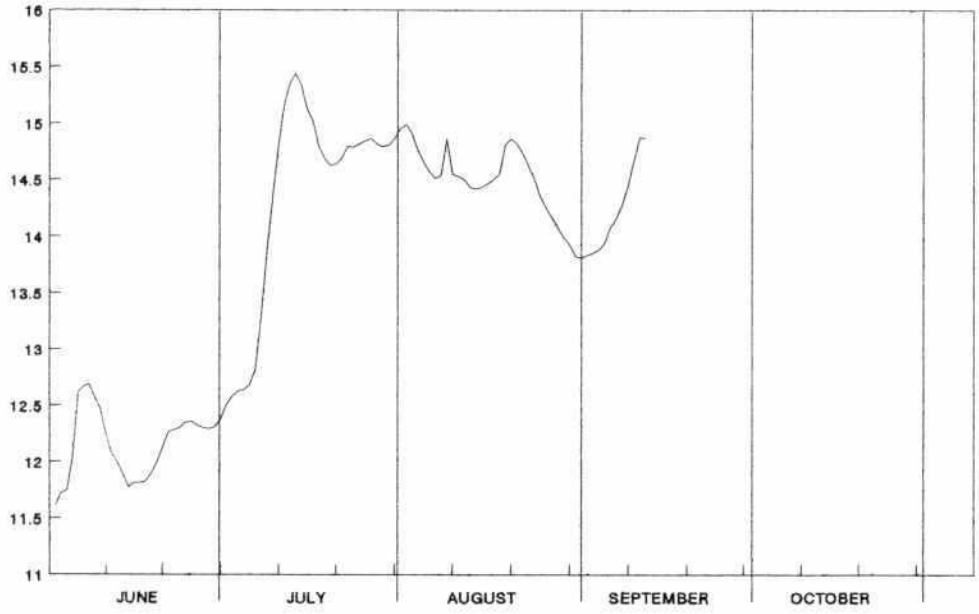
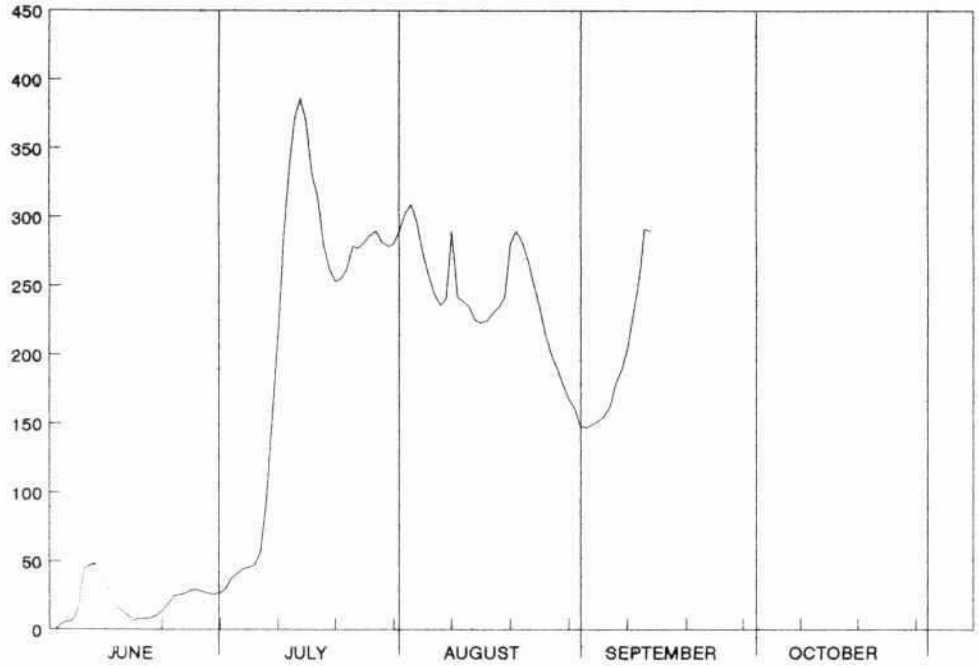
WATER LEVEL MEASUREMENTS AND DISCHARGE EVALUATION
GAUGE 12 – 1992

OBSERVED WATER LEVEL (m)



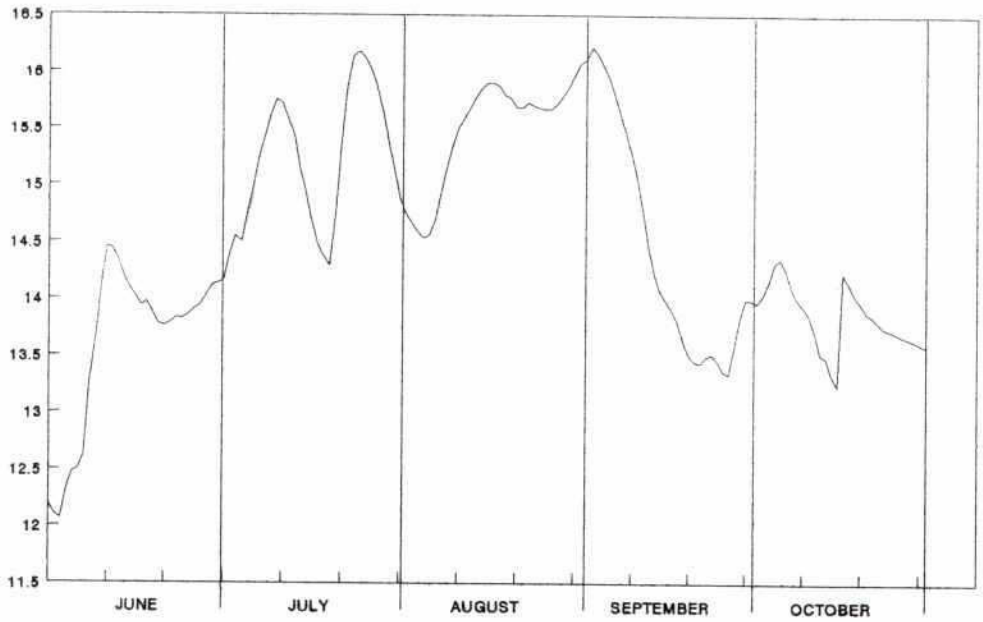
DISCHARGE – calculated (–) (m3/s)



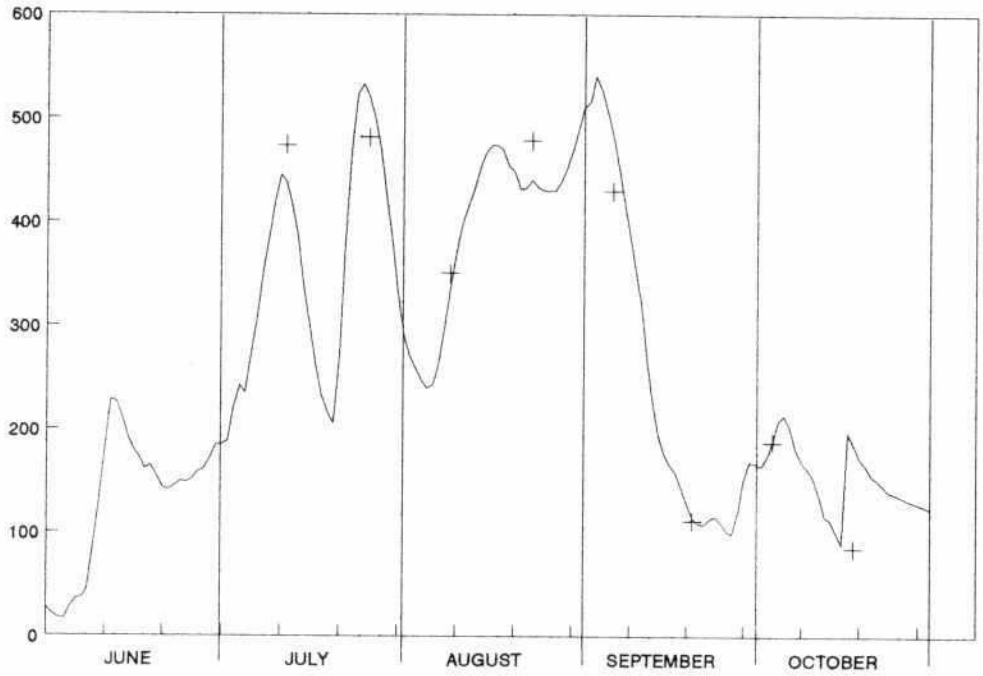
Formula used : Q = a (H – b) ^ c
Where : a = 21.4
b = 11.19
c = 2
Coefficient adjustment year(s) : 1993

WATER LEVEL MEASUREMENTS AND DISCHARGE EVALUATION
GAUGE 12 – 1993

OBSERVED WATER LEVEL (m)



DISCHARGE – Observed (+) and calculated (–) (m3/s)



Formula used : Q = a (H – b) ^ c

Where : a = 21.4

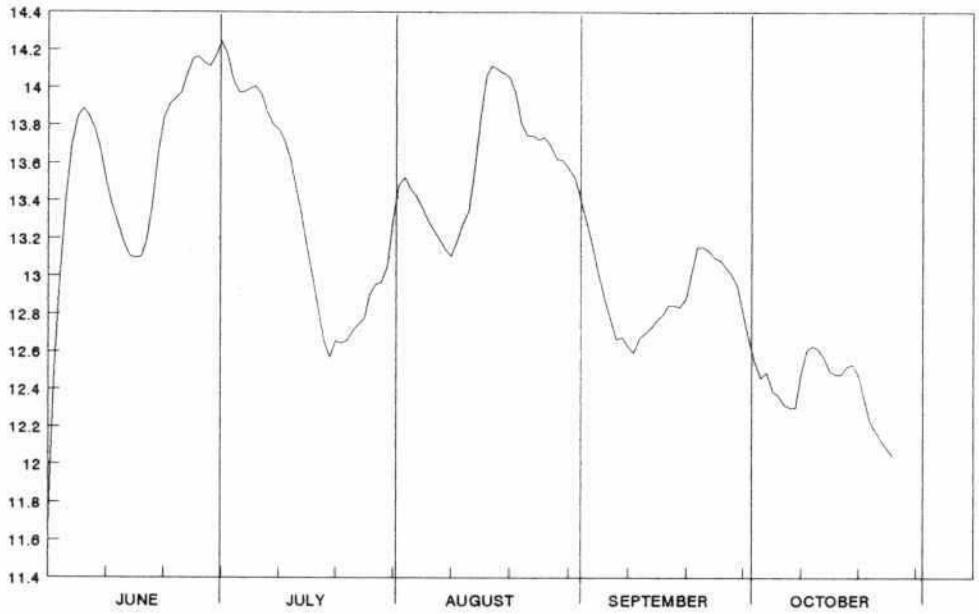
b = 11.19

c = 2

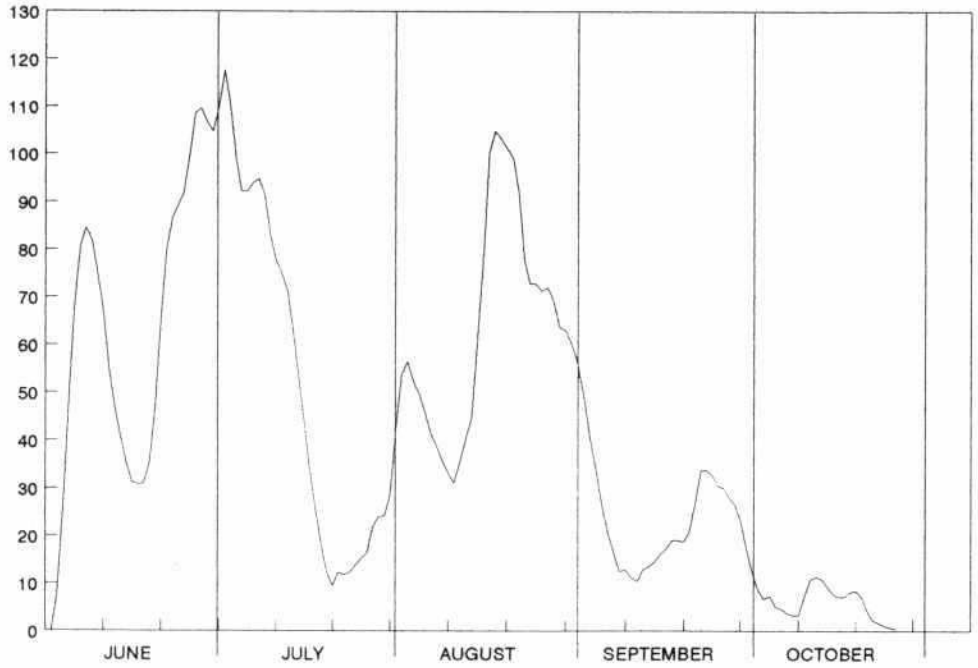
Coefficient adjustment year(s) : 1993

WATER LEVEL MEASUREMENTS AND DISCHARGE EVALUATION
GAUGE 12 – 1994

OBSERVED WATER LEVEL (m)



DISCHARGE – calculated (–) (m3/s)



Formula used : Q = a (H – b) ^ c

Where : a = 21.4

b = 11.9

c = 2

Coefficient adjustment year(s) : 1993

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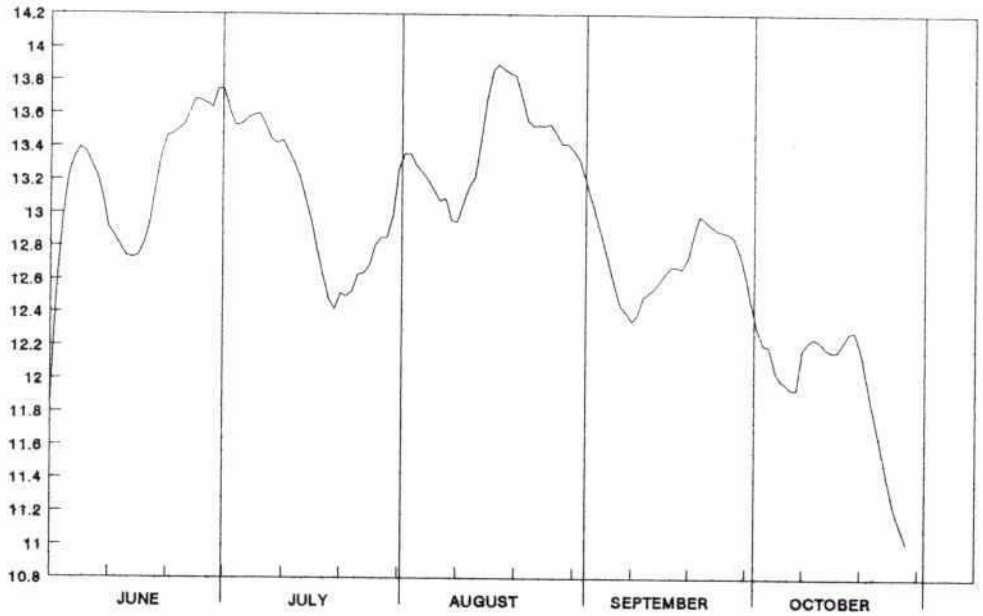
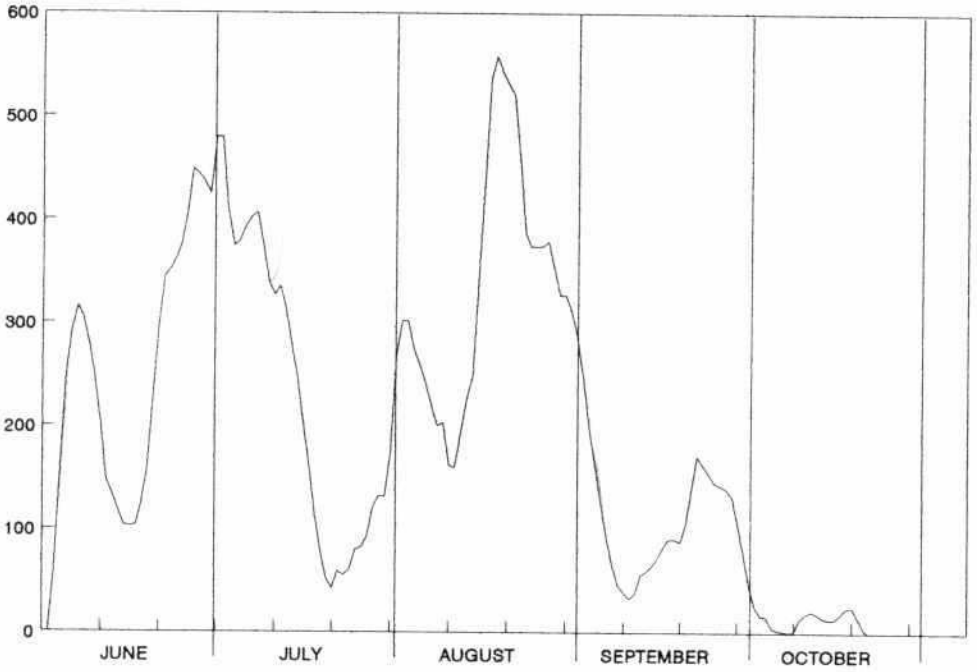
WATER LEVEL MEASUREMENTS AND DISCHARGE EVALUATION
GAUGE 13 – 1994

OBSERVED WATER LEVEL (m)



DISCHARGE – calculated (–) (m3/s)



Formula used : Q = a (H – b) ^ c

Where : a = 132

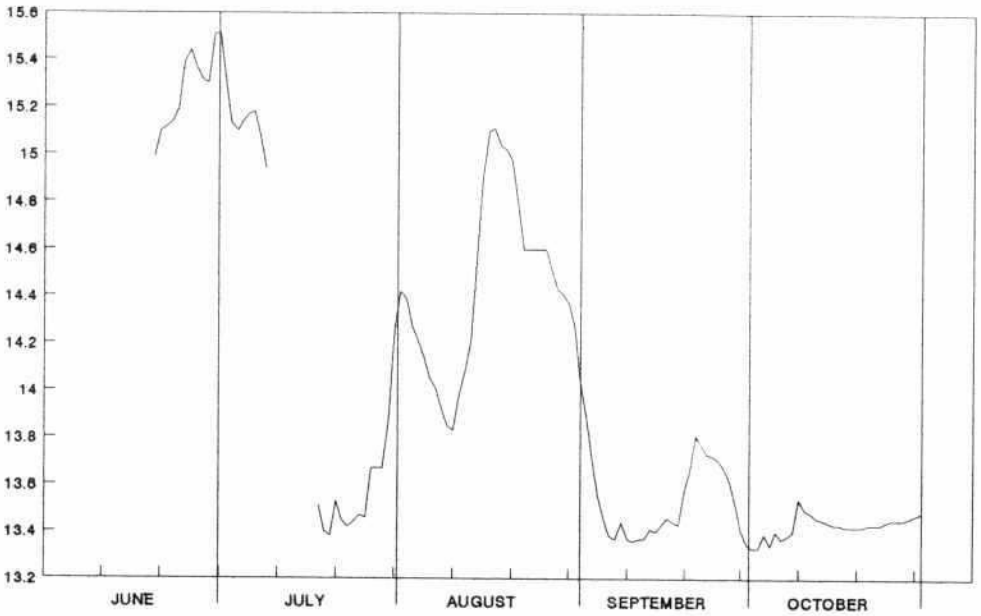
b = 11.85

c = 2.01

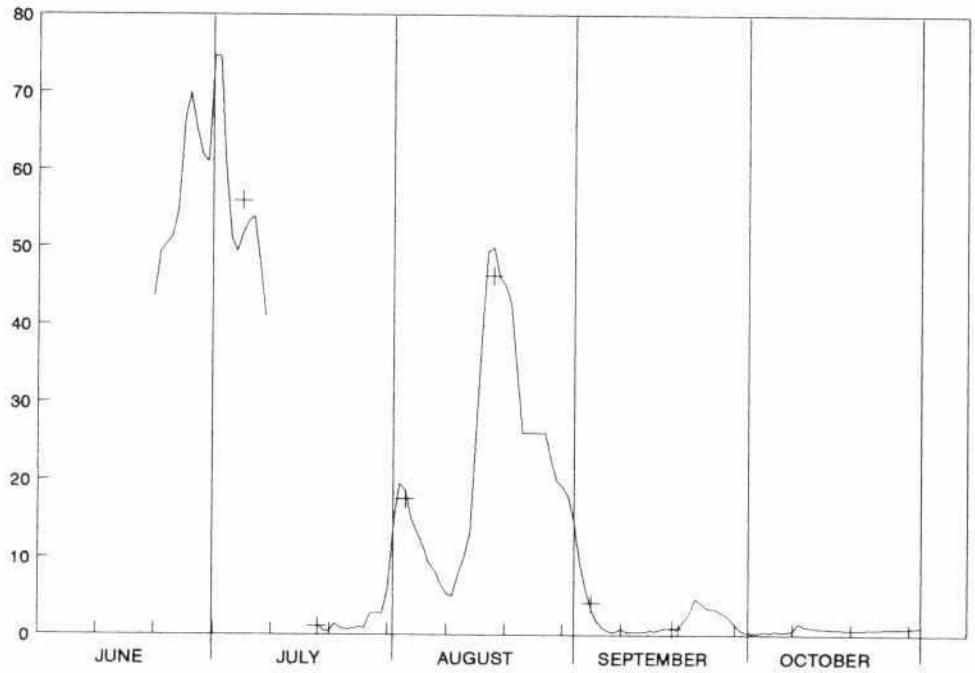
Coefficient adjustment year(s) : 1993

WATER LEVEL MEASUREMENTS AND DISCHARGE EVALUATION
GAUGE G – 1994

OBSERVED WATER LEVEL (m)



DISCHARGE – Observed (+) and calculated (–) (m3/s)



Formula used : Q = a (H – b) ^ c

Where : a = 11.68

b = 13.15

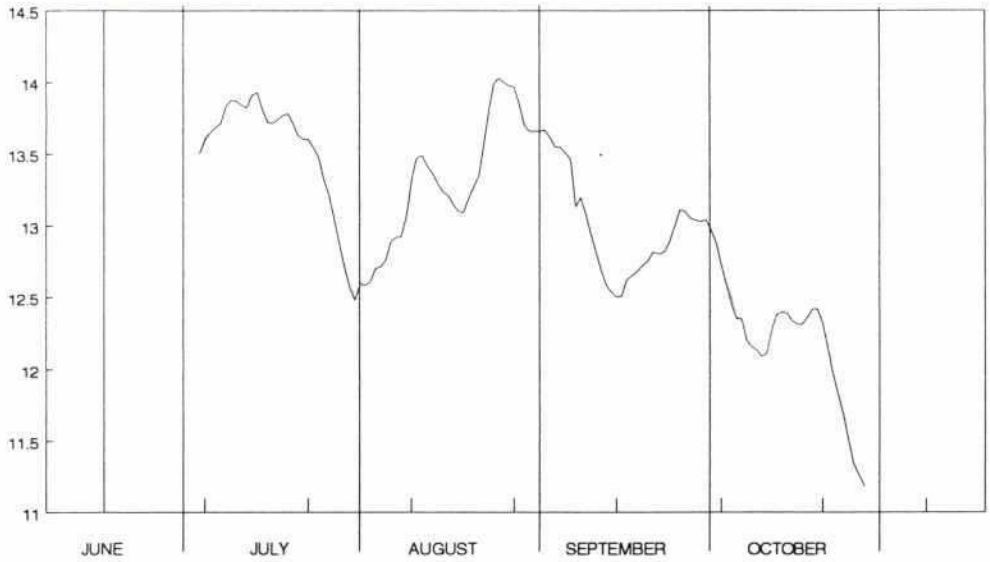
c = 2.16

Coefficient adjustment year(s) : 1994

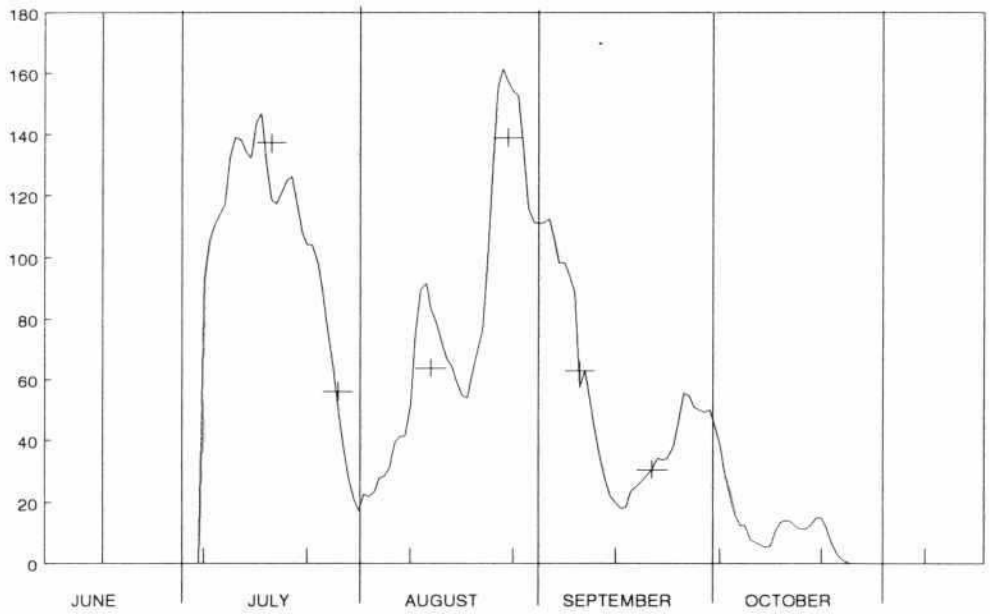
184

WATER LEVEL MEASUREMENTS AND DISCHARGE EVALUATION
GAUGE K - 1994

OBSERVED WATER LEVEL (m)



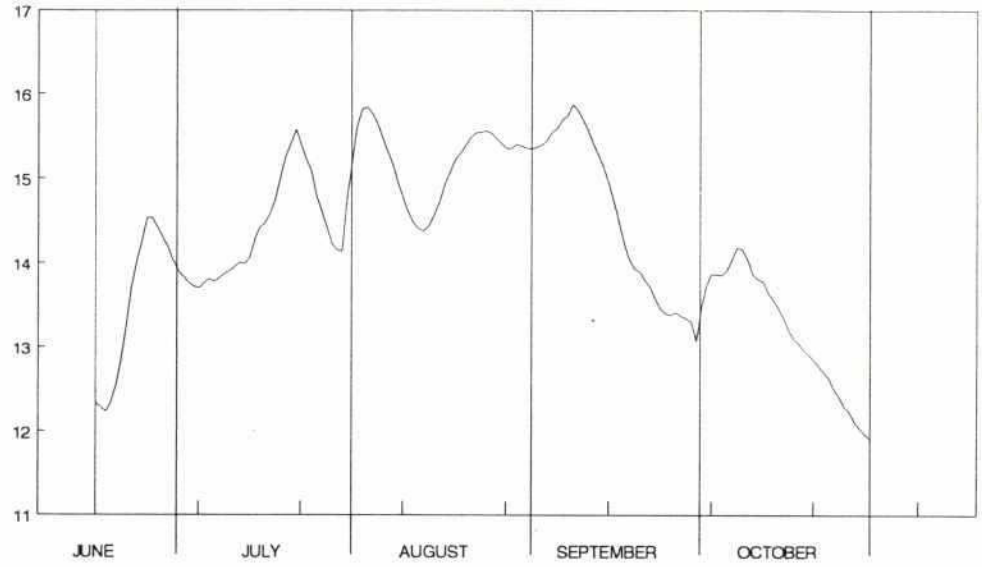
DISCHARGE - Observed (+) and calculated (-) (m3/s)



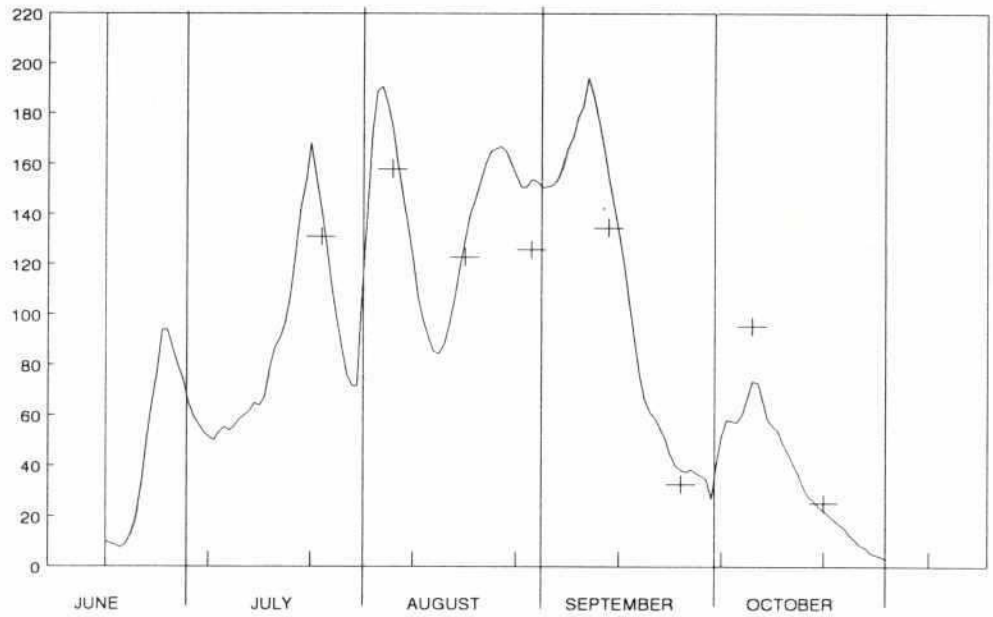
Formula used : Q = a (H - b) ^ c
Where : a = 17.73
b = 11.49
c = 2.37
Coefficient adjustment year(s) : 1994

WATER LEVEL MEASUREMENTS AND DISCHARGE EVALUATION
GAUGE L - 1993 (Baushi bridge)

OBSERVED WATER LEVEL (m)



DISCHARGE - Observed (+) and calculated (-) (m3/s)



Formula used : Q = a (H - b) ^ c

Where : a = 6.9

b = 11.19

c = 2.16

Coefficient adjustment year(s) : 1992, 1993 and 1994

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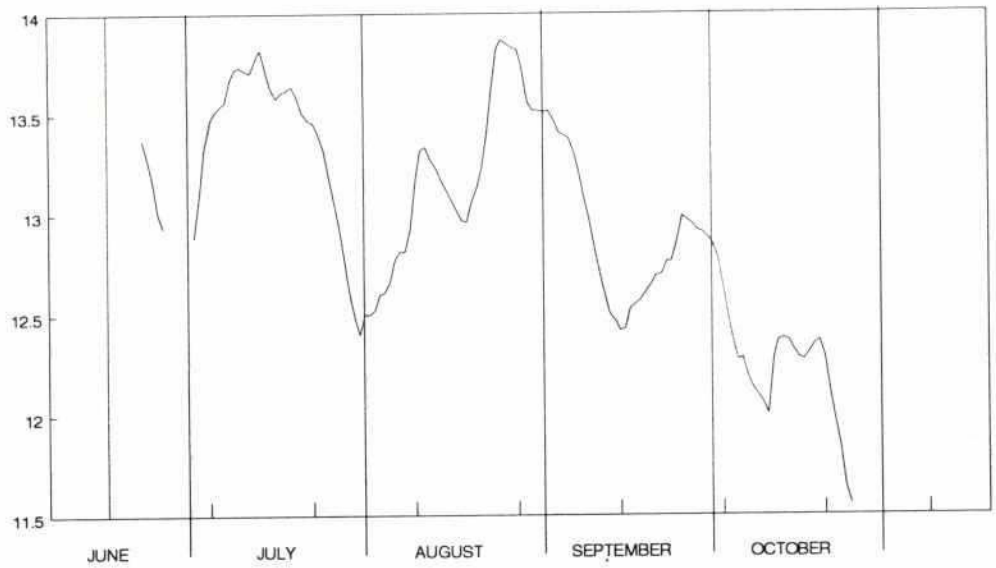
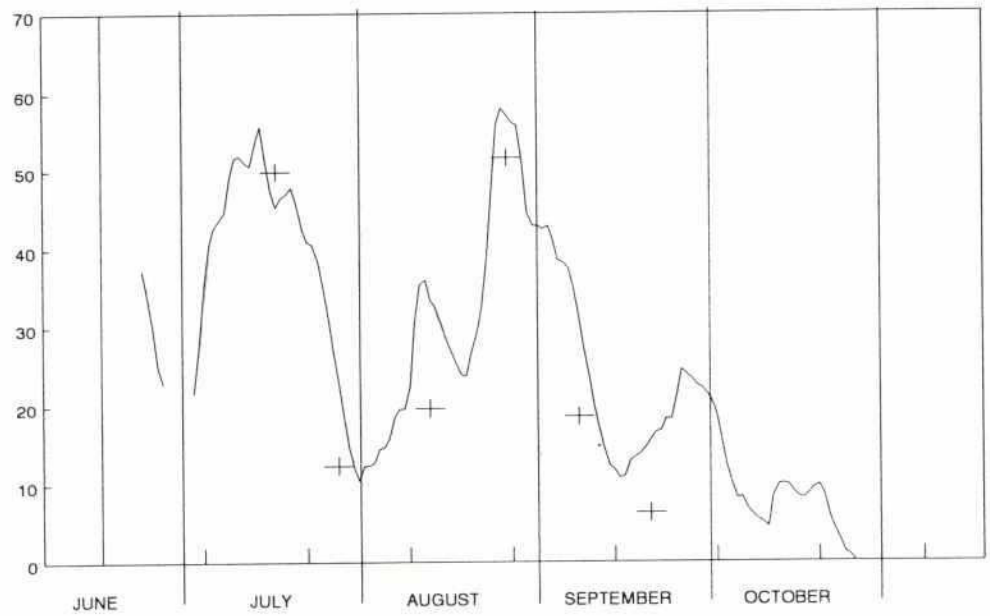
WATER LEVEL MEASUREMENTS AND DISCHARGE EVALUATION
GAUGE L (Baushi bridge) - 1994

OBSERVED WATER LEVEL (m)



DISCHARGE - Observed (+) and calculated (-) (m3/s)



Formula used : $Q = a (H - b)^c$

Where : a = 6.9

b = 11.19

c = 2.16

Coefficient adjustment year(s) : 1992, 1993 and 1994

APPENDIX - G

RAINFALL DATA

DAILY RAINFALL (mm)
Station : R062 Dewanganj
Year : 1994

Date	Apr	May	Jun	Jul	Aug	Sep
1	1.50	0.00	1.00	0.60	0.00	3.50
2	0.20	0.00	2.00	12.00	1.00	0.50
3	2.00	0.00	32.00	0.00	0.50	0.00
4	0.00	0.00	0.50	0.00	2.20	0.00
5	0.00	0.00	9.00	0.00	6.00	0.00
6	52.00	0.00	22.00	22.00	19.50	0.00
7	0.00	0.00	0.00	2.00	2.20	0.00
8	0.00	5.50	0.00	0.00	10.00	0.00
9	0.00	5.30	0.00	0.00	5.00	25.00
10	0.00	0.00	7.00	0.00	1.00	14.00
11	0.00	12.00	32.00	0.00	1.50	0.00
12	0.00	0.00	6.00	0.50	5.00	0.00
13	0.00	0.00	28.00	0.00	0.50	0.50
14	0.00	1.60	0.20	5.50	2.50	72.50
15	0.00	8.20	0.00	0.30	73.00	0.00
16	0.00	25.00	0.00	0.00	0.00	0.00
17	0.00	3.00	15.50	0.00	0.00	14.00
18	0.00	21.00	11.00	0.00	0.00	0.30
19	0.00	0.00	4.00	0.00	0.00	1.30
20	4.80	0.00	0.00	0.00	0.00	58.00
21	3.80	0.00	1.00	3.00	0.00	18.00
22	0.00	0.00	6.30	39.00	0.00	7.50
23	3.50	1.50	0.00	17.00	1.50	0.00
24	0.00	1.00	0.00	0.50	48.00	89.00
25	0.00	3.00	6.50	7.50	3.00	0.00
26	0.00	57.50	0.00	2.70	0.00	0.00
27	0.10	0.00	0.00	14.00	0.00	0.00
28	0.00	73.50	4.00	2.00	0.00	0.00
29	0.00	0.00	9.00	0.00	2.00	0.00
30	8.00	42.00	10.50	5.00	1.00	0.00
31		1.00		0.00	0.00	

Decade	Apr	May	Jun	Jul	Aug	Sep
I	55.70	10.80	73.50	36.60	47.40	43.00
II	4.80	70.80	96.70	6.30	82.50	146.60
III	15.40	179.50	37.30	90.70	55.50	114.50
Total	75.90	261.10	207.50	133.60	185.40	304.10
Avg (1974-94)	134.30	338.50	419.20	518.20	326.80	329.70

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DAILY RAINFALL (mm)
Station : R067 Jamalpur
Year : 1994

Date	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.00	0.00	16.20
2	4.20	0.00	10.80	16.40	1.50	2.30
3	1.40	0.00	23.50	0.00	14.20	0.00
4	0.00	0.00	0.00	9.40	3.90	2.50
5	0.00	0.00	0.00	0.00	27.50	0.00
6	0.00	0.00	47.60	0.00	2.10	0.00
7	0.00	0.00	0.00	4.80	0.00	22.50
8	0.00	9.80	0.00	0.00	0.00	0.00
9	0.00	12.60	0.00	0.00	6.40	62.30
10	0.00	0.00	0.00	0.00	0.00	3.70
11	0.00	0.00	31.30	0.00	1.50	0.00
12	0.00	0.00	13.40	0.00	8.20	33.20
13	0.00	0.00	6.20	0.00	0.80	22.30
14	0.00	8.40	0.00	3.10	3.90	16.40
15	0.00	16.20	5.40	1.50	83.20	0.00
16	0.00	51.80	8.90	1.00	0.00	0.00
17	0.00	7.80	6.50	0.00	0.00	3.40
18	0.00	18.20	7.30	0.00	0.00	3.80
19	0.00	0.00	12.80	1.60	0.00	10.40
20	0.80	0.00	0.00	1.00	0.00	25.30
21	17.40	0.00	3.40	19.60	0.00	18.70
22	3.60	0.00	4.20	32.30	33.40	10.20
23	9.80	0.00	0.00	0.00	1.60	0.00
24	0.00	8.50	10.40	18.30	45.00	0.00
25	6.70	0.00	11.50	2.30	0.00	0.00
26	11.20	4.90	0.00	11.20	0.00	0.00
27	13.70	0.00	1.30	36.40	0.00	0.00
28	0.00	0.00	9.10	46.80	4.30	0.00
29	0.00	0.00	26.30	21.30	0.00	0.00
30	2.90	24.20	33.50	20.90	76.80	0.00
31	0.00	0.00		0.00	0.00	

Decade	Apr	May	Jun	Jul	Aug	Sep
I	5.60	22.40	81.90	30.60	55.60	109.50
II	0.80	102.40	91.80	8.20	97.60	114.80
III	65.30	37.60	99.70	209.10	161.10	28.90
Total	71.70	162.40	273.40	247.90	314.30	253.20
Avg (1974-94)	114.70	328.10	474.70	546.20	366.20	356.80

DAILY RAINFALL (mm)
Station : R032 Sarishabari
Year : 1994

Date	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	9.30	0.00	0.00
2	2.20	0.00	0.00	5.30	0.00	0.00
3	2.30	0.00	6.60	0.00	7.20	0.00
4	0.00	0.00	0.00	0.00	5.60	0.00
5	0.00	0.00	46.70	1.60	21.80	0.00
6	10.30	0.00	0.00	0.00	0.00	0.00
7	0.00	1.20	0.00	12.50	7.40	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	6.20	0.00	3.20	0.00	0.00
10	0.00	22.10	6.50	0.00	0.00	0.00
11	0.00	0.00	12.60	9.50	6.60	0.00
12	0.00	0.00	4.60	3.60	18.50	0.00
13	0.00	0.00	0.00	0.00	8.30	0.00
14	0.00	2.30	12.80	1.20	21.40	0.00
15	0.00	25.30	6.30	5.60	0.00	0.00
16	0.00	28.10	8.20	0.00	0.00	0.00
17	0.00	36.80	6.20	0.00	0.00	0.00
18	0.00	0.00	21.90	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	1.60	0.00	0.00
21	9.10	0.00	0.00	3.50	13.20	0.00
22	17.40	0.00	0.00	75.60	4.40	0.00
23	38.80	0.00	11.40	26.40	13.20	0.00
24	0.00	11.30	1.30	12.20	12.30	0.00
25	10.20	5.20	3.50	0.00	2.20	0.00
26	2.40	1.60	0.00	0.00	0.00	0.00
27	0.00	0.00	0.80	42.60	2.50	0.00
28	0.00	0.00	9.20	7.60	0.00	0.00
29	0.00	0.00	20.70	29.50	24.20	0.00
30	0.00	35.10	37.50	0.00	0.00	0.00
31		0.00		0.00	5.50	

Decade	Apr	May	Jun	Jul	Aug	Sep
I	14.80	29.50	59.80	31.90	42.00	0.00
II	0.00	92.50	72.60	21.50	54.80	0.00
III	77.90	53.20	84.40	197.40	77.50	0.00
Total	92.70	175.20	216.80	250.80	174.30	0.00
Avg (1974-94)	102.70	337.70	461.30	513.60	253.50	296.70