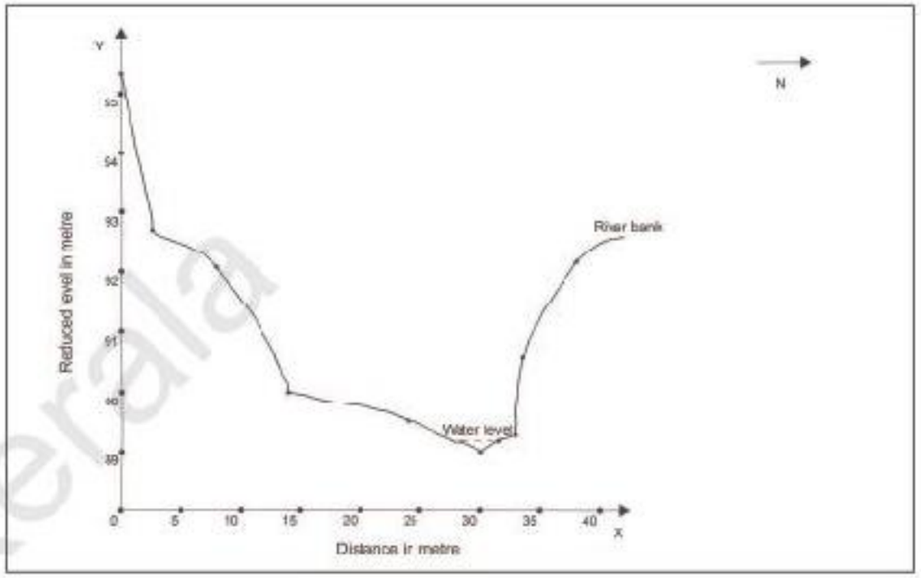
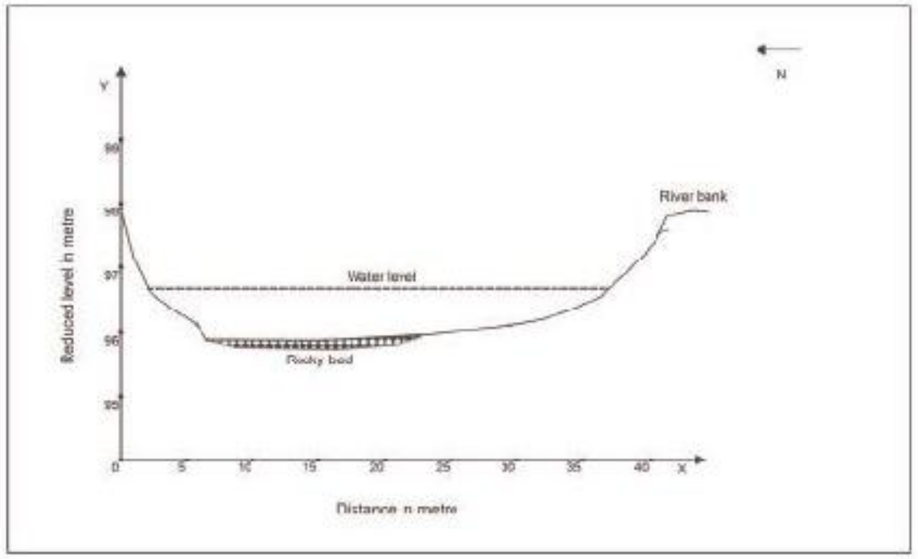
RIVER CROSS SECTION: 1

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	1.57			93.77	92.20	SE corner of the Parapet of bridge
P_0					95.33	River bank
P_1 (2.2m)		1.04			92.73	Sand and gravel
P_2 (8.2m)		1.65			92.12	
P_3 (14.2m)			2.85		89.96	
	Change point					
	0.94			90.90	89.96	
P_4 (25.2m)		1.28			89.62	
P_5 (29m)		1.65			89.25	Water level edge
P_6 (30.4m)		1.77			89.13	Deepest point
P_7 (31.5m)		1.65			89.25	Water level edge
P_8 (33m)		1.59			89.31	River bank
P_9 (33.2m)				0.24	90.66	
P_{10} (38.20m)				1.50	92.16	



RIVER CROSS SECTION: 2

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.65			100.65	100.00	NW corner of the Aalthara
P0		2.74			97.91	River bank, alluvium
	Change point					
	0.59			98.50	97.91	
P1 (1.9m)		1.81			96.69	Water level edge
P2 (5.8m)		2.38			96.12	
P3 (6.7m)		2.55			95.95	Rocky river bed
P4 (15.6m)		2.60			95.90	Sand
P6 (29.5m)		2.33			96.17	Water level (0.47m)
P7 (31.5m)		1.90			96.60	Water level edge
P9 (35.5m)			1.00		97.50	River bank, alluvium



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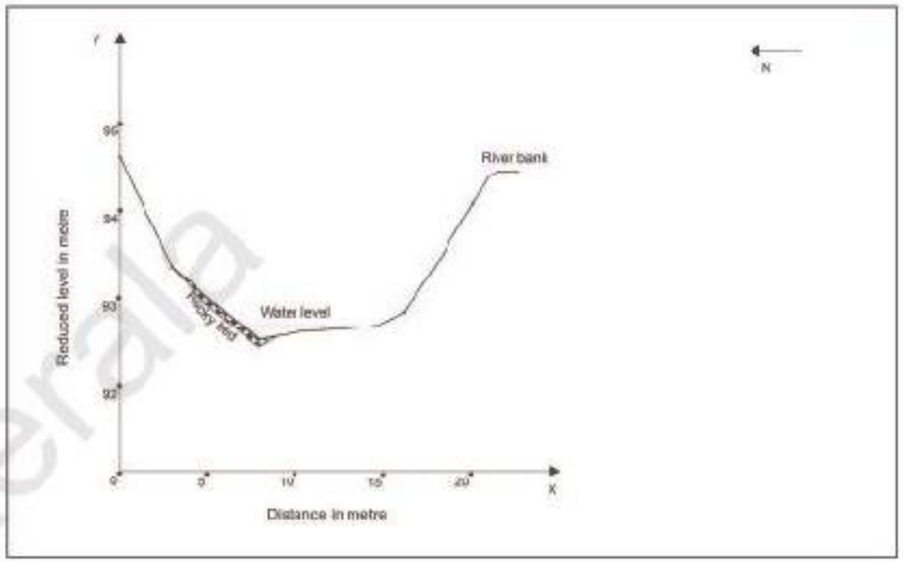
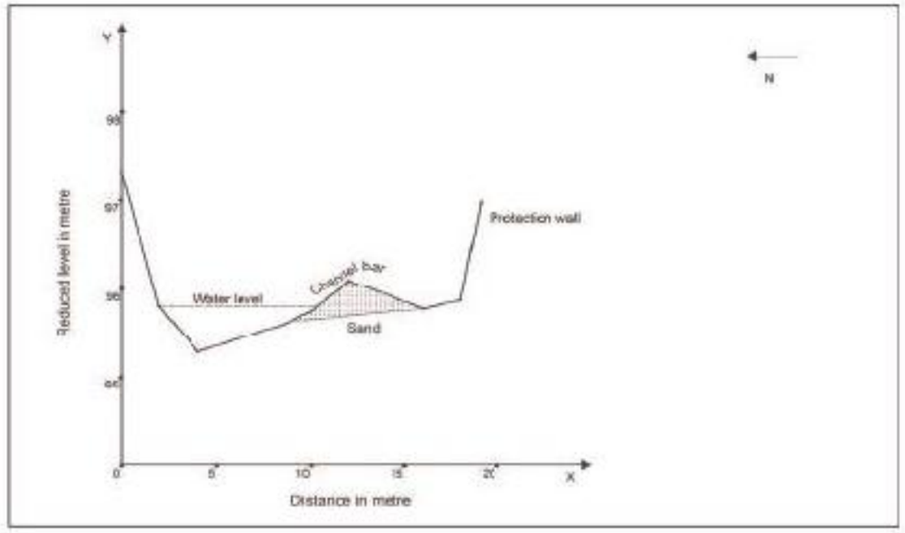
RIVER CROSS SECTION: 3

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.27			94.65	94.38	Base of the parapet
P0		0.04			94.61	River bank, alluvium
P1 (3.15m)		1.30			93.35	Stream channel edge, bed rock exposure
P2 (7.98m)		2.10			92.55	Water leve edge, bed rock exposure
P3 (10.38m)		2.05			92.60	Midpoint of channel
P4 (14.38m)		1.99			92.66	Water level edge
P5 (16.21m)		1.78			92.87	Stream channel edge
P6 (19.81m)			0.49		94.16	River bank



RIVER CROSS SECTION: 4

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	1.66			98.56	96.90	River edge by the side of RR ramp
P_0		1.21			97.35	
P_1 (2m)		2.74			95.82	Water edge
P_2 (4m)		3.27			95.29	Deepest point
P_3 (10m)		2.79			95.77	Channel bar, Sand is 18cm deep from the river bed
P_4 (12m)		2.40			96.16	Centre of channel bar
P_5 (16m)		2.74			95.82	Edge of charnel bar
P_6 (18m)			2.68		95.88	Protection wall



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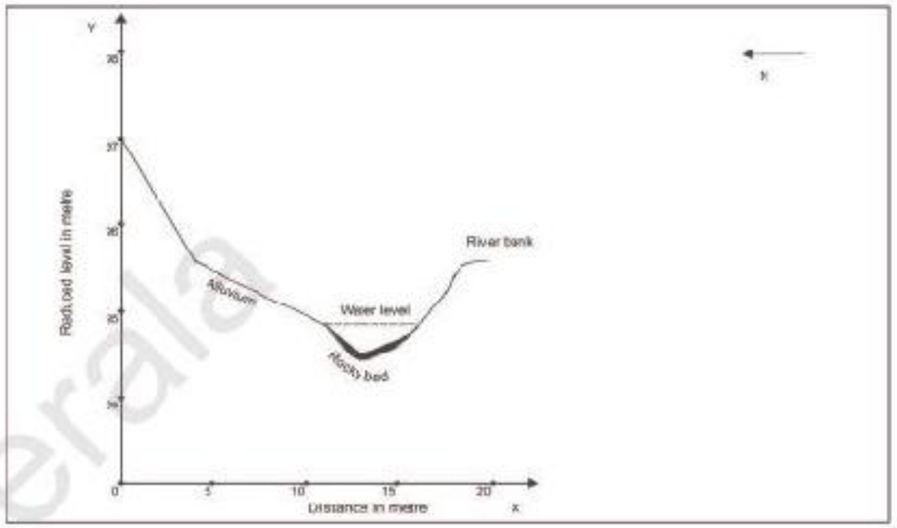
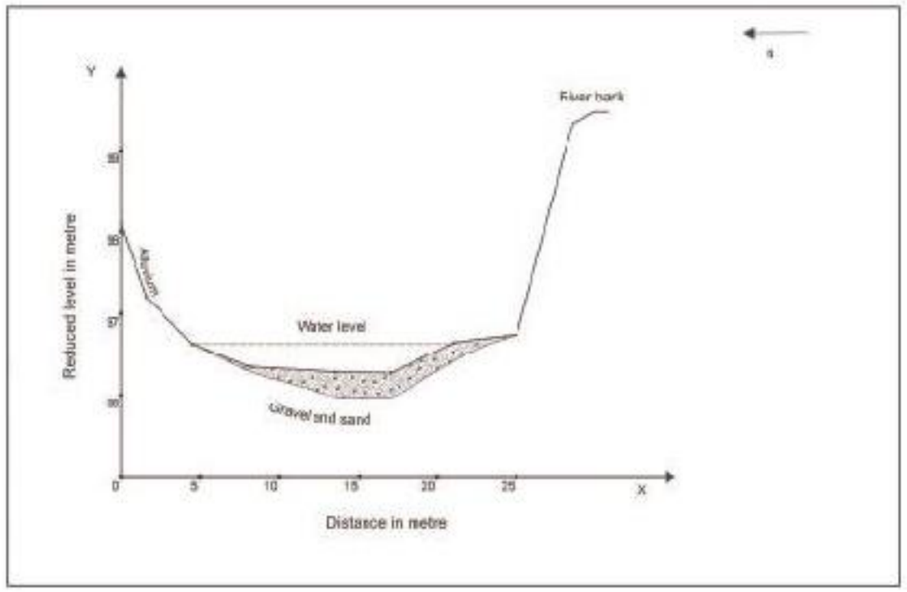
RIVER CROSS SECTION : 5

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.27			94.65	94.38	Base of the parapet
P0		0.04			94.61	River bank, alluvium
P1 (3.15m)		1.30			93.35	Stream channel edge, bed rock exposure.
P2 (4.16m)		2.10			92.55	Water level edge, bed rock exposure.
P3 (11.4m)		2.05			92.60	Midpoint of channel
P4 (13.02m)		1.99			92.66	Water level edge
P5 (16.25m)		1.78			92.87	Stream channel edge
P6 (19.81m)			0.49		94.16	River bank



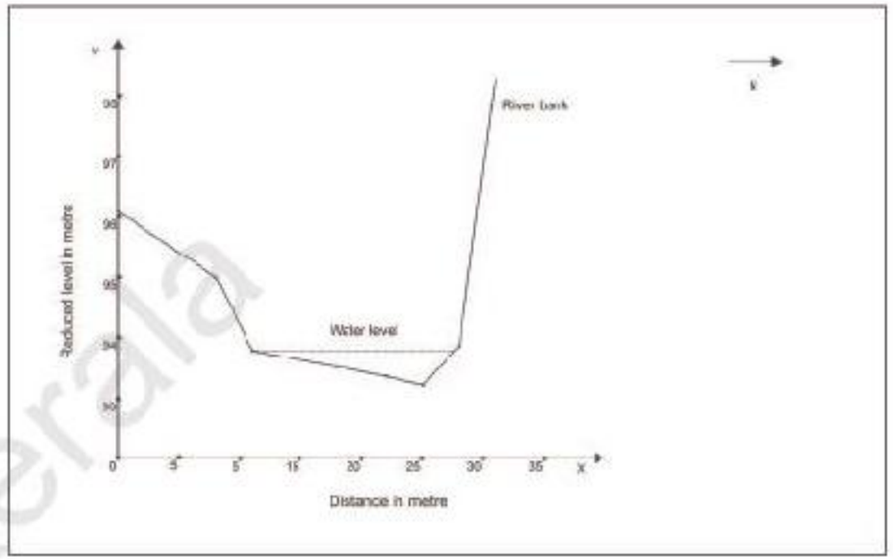
RIVER CROSS SECTION : 6

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.65			99.28	98.63	Protection wall
P0		1.13			98.15	River bank, alluvium
P1 (1.82m)		2.05			97.23	Stream channel edge
P2 (4.62m)		2.62			96.66	Water level edge
P3 (8.28m)		2.89			96.39	Gravel and coarse grained sand is 0.09 m deep from the river bed
P4 (13.59m)		2.92			96.36	Gravel and coarse grained sand is 0.28 m deep from the river bed
P5 (17.43m)		2.93			96.35	Gravel and coarse grained sand is 0.29 m deep from the river bed
P6 (21.23m)		2.58			96.70	Water level edge, gravel and coarse grained sand is 0.2 m deep from the river bed
P7 (25.33m)		2.44			96.84	Stream channel edge
P8 (27.85m)			0.09		99.19	River bank



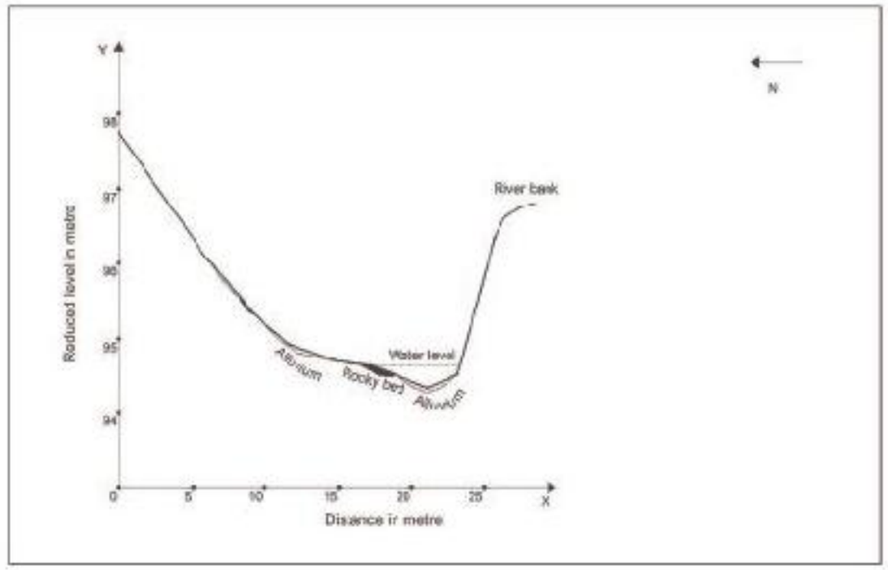
RIVER CROSS SECTION: 7

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	1.17			96.51	95.34	Base of the pump house
P_0		0.34			96.17	River bank
P_1 (8m)		1.48			95.03	
P_2 (11m) P_3 (18m)		2.71 2.96			93.80 93.55	Water level edge
P_4 (22m)		3.14			93.37	
P_5 (25m)		3.22			93.28	
P_6 (28m)		2.62			93.89	Water level edge
P_7 (30.5m)			1.38		97.89	Left bank of the river edge, steep



RIVER CROSS SECTION : 8

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.79			97.95	97.16	
P0		0.20			97.75	River bank, alluvium
P1 (6.24m)		1.87			96.08	Stream channel edge. Alluvium material, bed rock exposure
P2 (11.69m)		3.00			94.95	Stream bed, alluvial material is 0.04m deep from the river bed
P3 (17.23m)		3.24			94.71	Water level edge, bed rock exposure
P4 (20.98m)		3.54			94.41	Alluvium
P5 (23.43m)		3.37			94.58	Water level edge, alluvium
P6 (25.73m)			1.53		96.42	River bank



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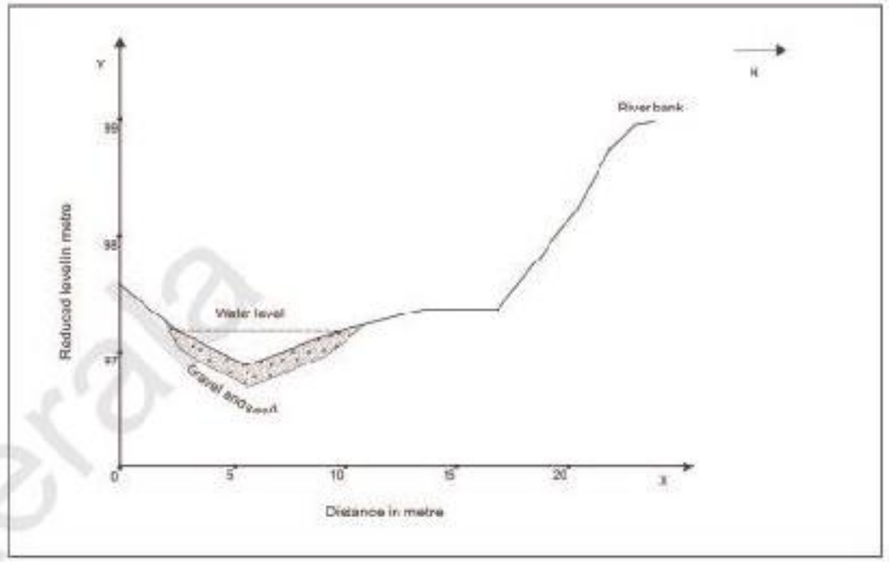
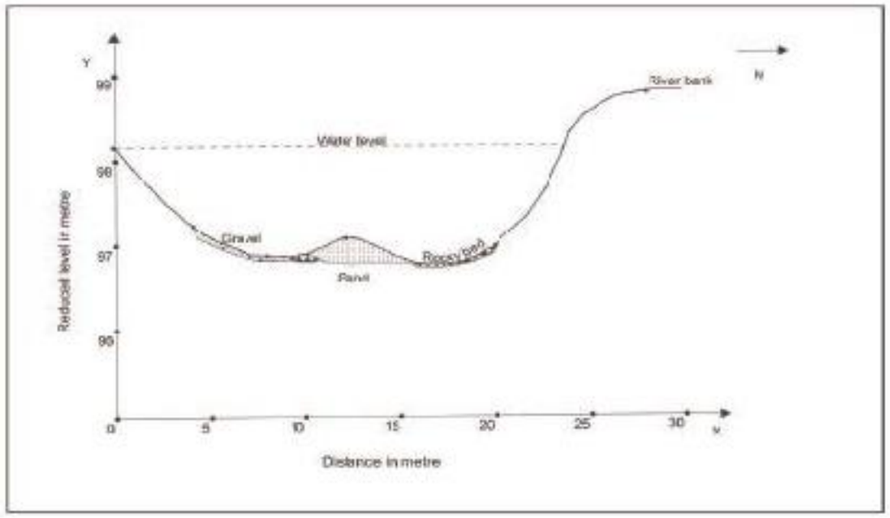
RIVER CROSS SECTION: 9

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	1.25			98.94	97.69	Protection wall
P0		1.30			97.64	River bank
P1 (2.55m)		1.71			97.23	Water edge, gravel and medium grade sand is 0.12 m deep from the river bed
P2 (5.56m)		1.98			96.96	Gravel and medium grade sand is 0.19 m deep from the river bed
P3 (9.53m)		1.72			97.22	Water edge, gravel and medium grade sand is 0.15 m deep from the river bed
P4 (16.56m)		1.48			97.46	Stream channel edge
P5 (21.56m)			0.14		98.80	River bank



RIVER CROSS SECTION: 10

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	1.09			101.09	98.00	NE corner of parapet of the protection wall
P0		0.91			98.18	Water level edge
P1 (4m)		1.85			97.24	Gravel bed, Coarse sand
P2 (8m)		2.17			96.92	Rocky river bed
P3 (12m)		1.99			97.10	Sand (40 cm thickness)
P4 (16m)		2.27			96.82	Rocky river bed
P5 (20m)		2.07			97.02	Gravel, Sand is 35 cm deep from the river bed
P6 (24m)		0.63			98.46	Sand is 48 cm deep from the river bed, Water level edge
P7 (28m)			0.28		98.81	River Bank



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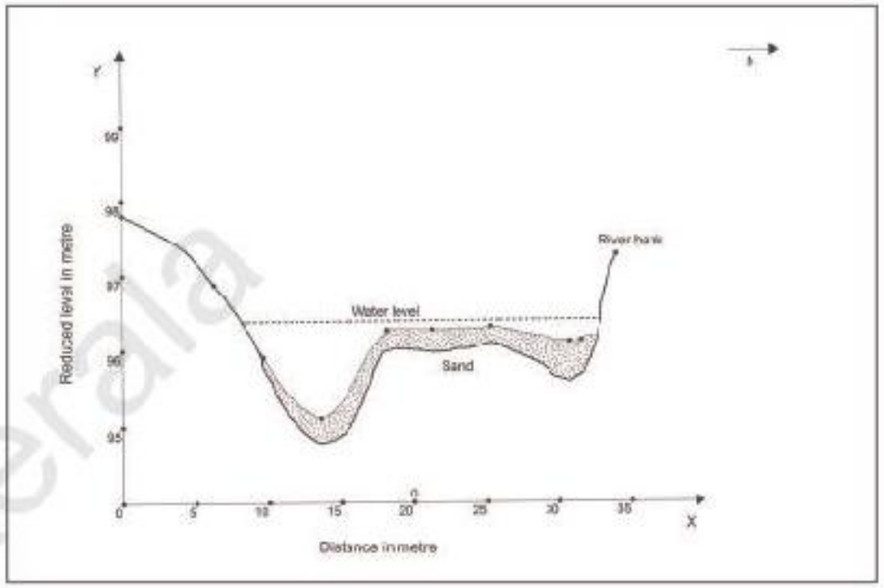
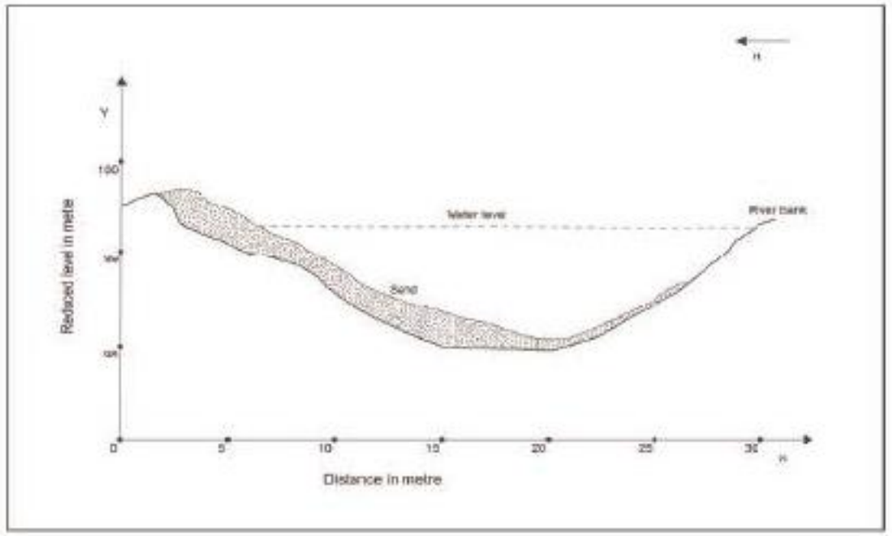
RIVER CROSS SECTION: 11

STATIONS	BS	IS	FS	HC	RL	Remarks
TBM	0.02			98.69	98.67	Protection wall
P0		0.86			97.83	River bank
P1 (6.85m)		1.70			96.99	
P2 (9.7m)		2.79			95.90	Water level edge
P3 (13.7m)		3.59			95.10	Sand, gravel (38 cm thickness)
P4 (17.7m)		2.38			96.31	Sand, gravel (31 cm thickness)
P5 (21.7m)		2.39			96.30	Sand, gravel (33 cm thickness)
P6 (25.7m)		2.31			96.38	Sand, gravel (24 cm thickness)
P7 (30.7m)		2.51			96.18	Sand, gravel (52 cm thickness)
P8 (31.7m)		2.51			96.18	Water level edge
P9 (34.2m)			1.34		97.35	River bank



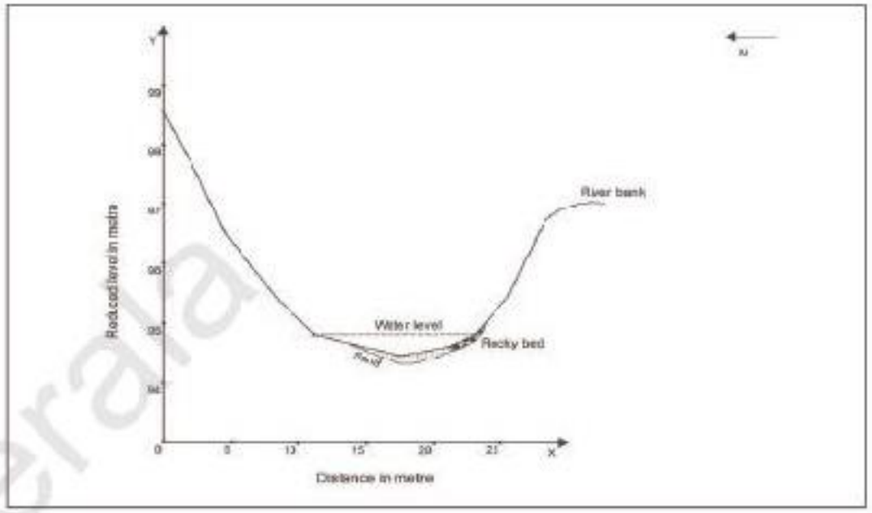
RIVER CROSS SECTION: 12

STATIONS	BS	IS	FS	HC	RL	Remarks
TBM	0.94			100.94	100.00	SE corner of the pump house
P0		1.35			99.59	River bank
P1 (3.48m)		1.27			99.67	Coarse sand, gravel (48 cm thickness)
P2 (5.98m)		1.55			99.39	Sand , gravel (38 cm thickness)
P3 (8.48m)		1.86			99.08	Water level edge, Sand (27cm thickness)
P4 (11.48m)		2.21			98.73	Sand, gravel (33cm thickness)
P5 (15.48m)		2.55			98.39	Sand (37cm thickness)
P6 (19.48m)		2.83			98.11	Sand (10 cm thickness)
P7 (28.48m)			1.86		99.08	Water level edge, river bank



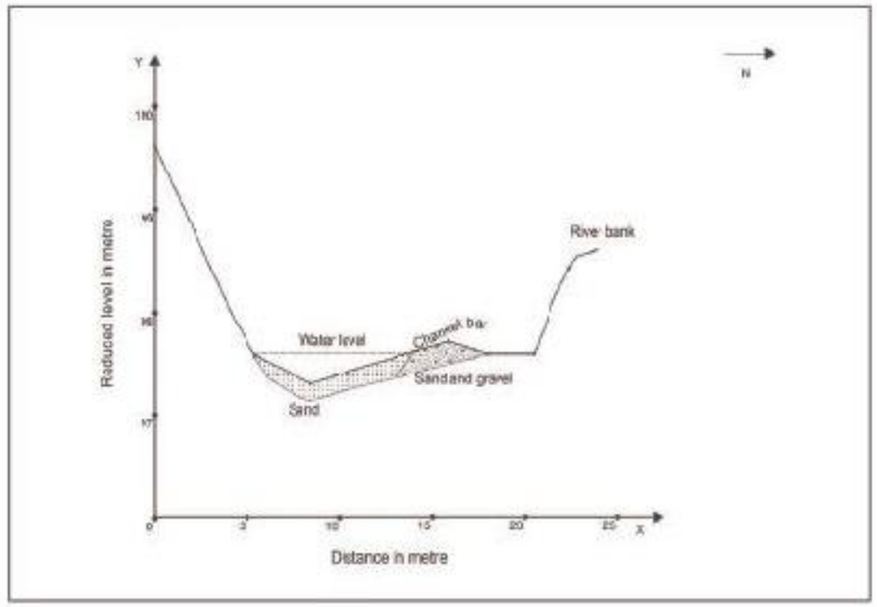
RIVER CROSS SECTION: 13

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.001			100.001	100.00	Protection wall
P0		1.43			98.571	River bank, alluvium
P1 (4.25m)		3.44			96.561	River bank, alluvium
	Change point					
	0.40				96.561	
P2 (11.3m)		2.12			94.841	Water level edge
P3(17.4m)		2.42			94.541	Sand is 0.13m deep from the river bed
P4 (22.9m)		2.11			94.851	Water level edge. Rocky river bed
P5 (27.6 m)			0.55		96.411	River bank, alluvium



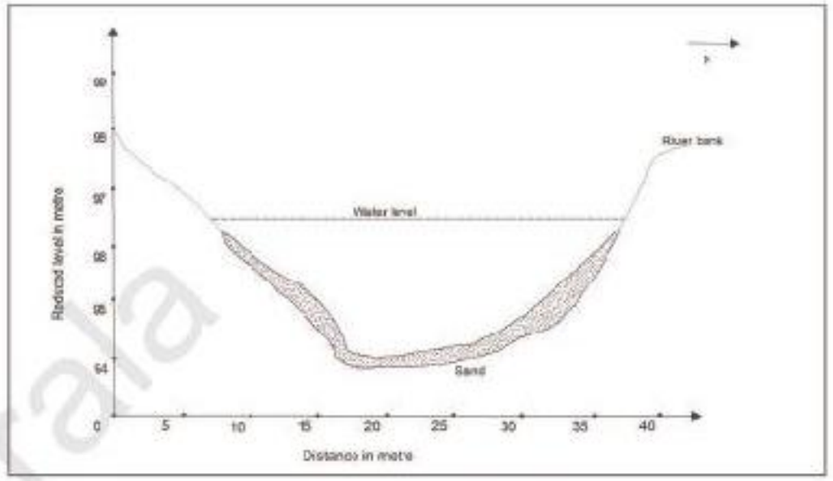
RIVER CROSS SECTION: 14

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.06			99.73	99.67	NW corner of the bathing ghat
P0		0.11			99.62	Riverbank. alluvium deposit, laterite cover
P1 (5.77m)		2.15			97.58	Water level edge, sand is 0.15m deep from river bed
P2 (8.54m)		2.39			97.34	Midpoint of water column. Sandy bottom 0.2m
P3 (14.22m)		2.11			97.62	Water level edge, starting point of channel bar.0.15m deep from stream bed
P4 (16.02m)		2.03			97.70	Midpoint of channel bar. (sand and gravel)
P5 (18.02m)		2.15			97.58	Channel bar ends, water level edge starting
P6 (20.62m)		2.14			97.59	Water level edge
P7 (22.72m)			1.29		98.44	River bank, alluvium



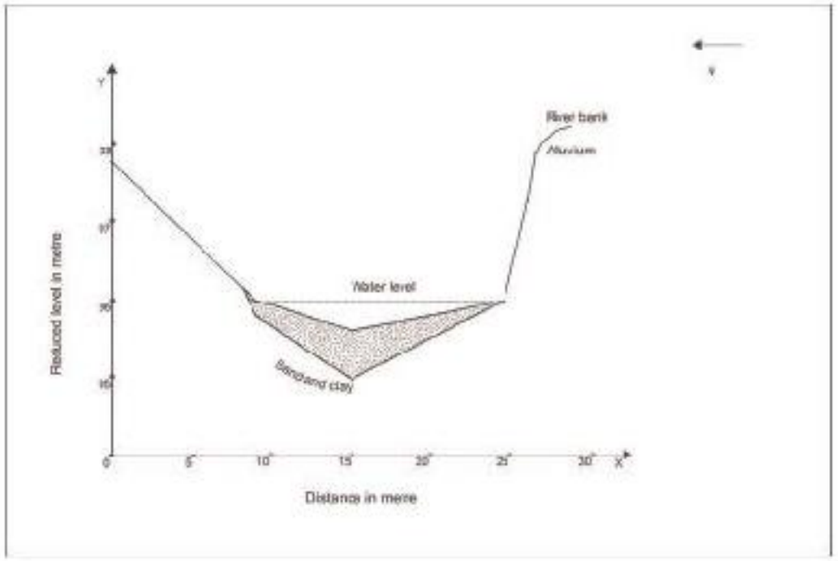
RIVER CROSS SECTION: 15

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.08			99.45	99.37	NE corner of the parapet
P_0		1.35			98.10	River bank
P_1 (8.33m)		3.20			96.25	Water level edge
P_2 (14.33m)		4.25			95.20	Sandy bottom (57cm thickness)
P_3 (17.33m)		5.03			94.02	Sandy bottom (61cm thickness)
P_4 (30.33m)		4.79			94.66	Sandy bottom (24cm thickness)
P_5 (36.33m) P_6 (40.0m)		3.60	 2.15		95.85 97.30	Water level edge River bank



RIVER CROSS SECTION: 16

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.83			100.15	99.32	Protection wall
P0		2.36			97.79	River bank, alluvium
P1 (9.1m)		4.17			95.98	Water level edge. Sand is 0.25m deep from the river bed
P2 (15.42m)		4.49			95.66	Midpoint of the channel. Sand is 0.62m deep from the river bed
P3 (24.55m)		4.13			96.02	Water level edge. Sand and clay are 0.65 m deep from the river bed
P4 (26.27m)		2.85			97.30	River bank, alluvium
P5 (26.58m)			2.25		97.90	River bank, alluvium



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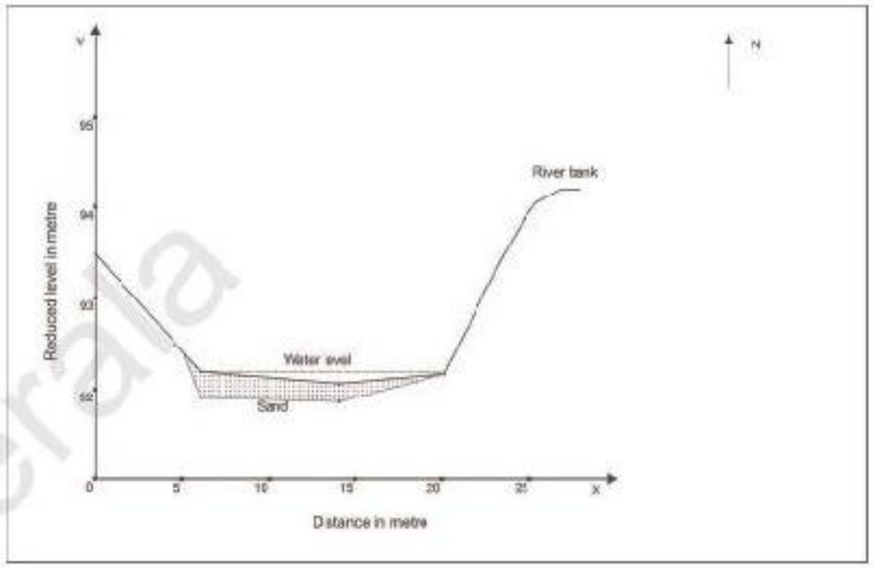
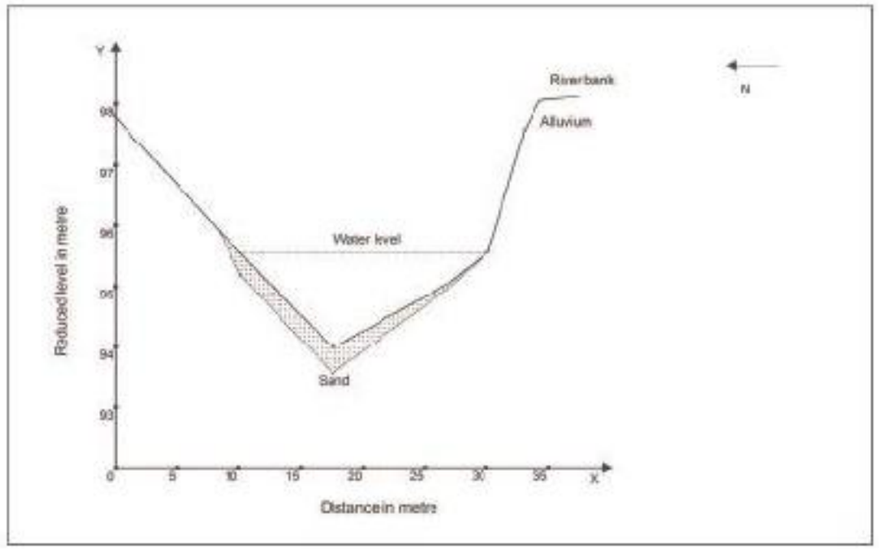
RIVER CROSS SECTION: 17

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.46			100.46	100.00	Protection wall
1st Point		3.68			96.78	Plot
	Change point					
	0.12			96.90	96.78	
P0		2.43			94.47	River bank, alluvium
	Change point					
	0.56			95.03	94.47	
P1 (6.4m)		2.79			92.24	Water level edge. Sand is 0.28 m deep from the river bed
P2 (14.15m)		2.88			92.15	Midpoint of the channel. Sand is 0.22 m deep from the river bed
P3 (20.43m)		2.78			92.25	Water level edge
P4 (24.43m)			1.07		93.56	River bank, alluvium



RIVER CROSS SECTION: 18

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.09				100.00	Protection wall
P0		2.29			97.80	River bark, alluvium
	Change point					
	0.06			97.86	97.80	
P1 (10m)		2.29			95.57	Water level edge, sand is 0.31m deep from the river bed
P2 (17.6m)		3.80			94.06	Midpoint of the channel. Sand is 0.43 m deep from the river bed
P3 (29.8m)		2.24			95.62	Water level edge
P4 (32.8m)			0.19		97.67	River bark, alluvium



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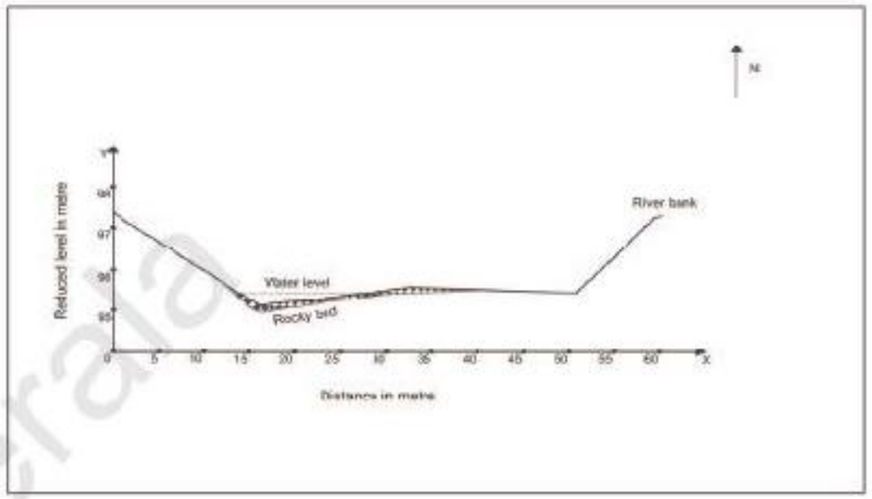
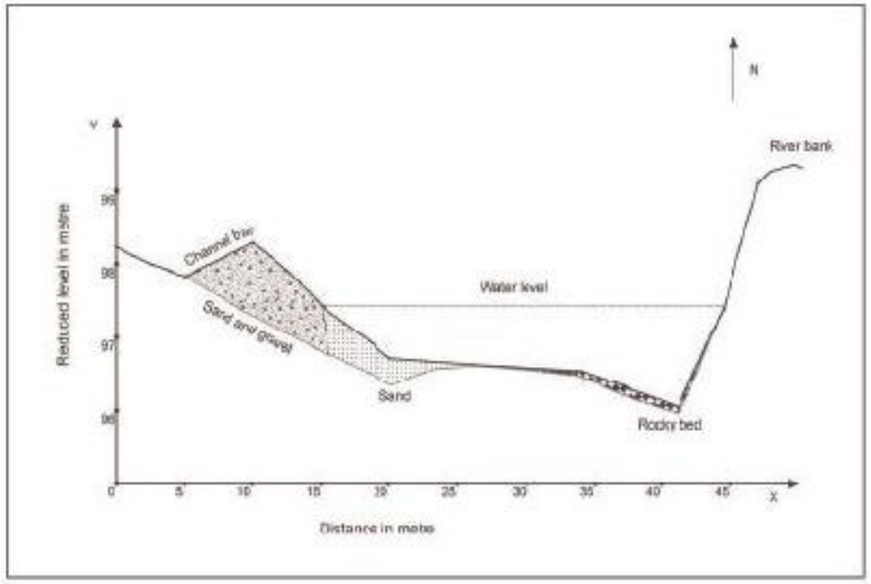
RIVER CROSS SECTION: 19

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.83			100.83	100.00	Top corner of basement of the water intake point
P0		3.43			97.40	River bank, alluvium
	Change point					
	0.16				97.40	
P1 (16m)		2.40			95.16	Rocky river bed
P2 (32.75m)		1.93			95.63	Rocky river bed
P3 (51m)		2.09			95.47	Water level edge
P4 (59.15m)			0.43		97.13	River bank



RIVER CROSS SECTION: 20

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.37			99.89	99.52	Basement of the temple
P0		1.62			98.27	River bank, alluvium
P1 (2.45m)		1.89			98.00	Stream channel edge
P2 (5.03m)		2.02			97.87	Starting point of channel bar. Coarse sand and gravels has a thickness of 0.10m
P3 (10.15m)		1.58			98.31	Midpoint of the channel bar
P4 (15.03m)		2.44			97.45	End of channel bar. Water level edge. Sand is 0.52 m deep from the river bed
P5 (20.13m)		3.14			96.75	Sand is 0.28 m deep from the river bed
P6 (34.13m)		3.31			96.58	Rocky river bed
P7 (41.73m)		3.80			96.09	Rocky river bed
P8 (44.63m)		2.42			97.47	Water level edge
P9 (47.13m)			0.73		99.16	River bank, alluvium



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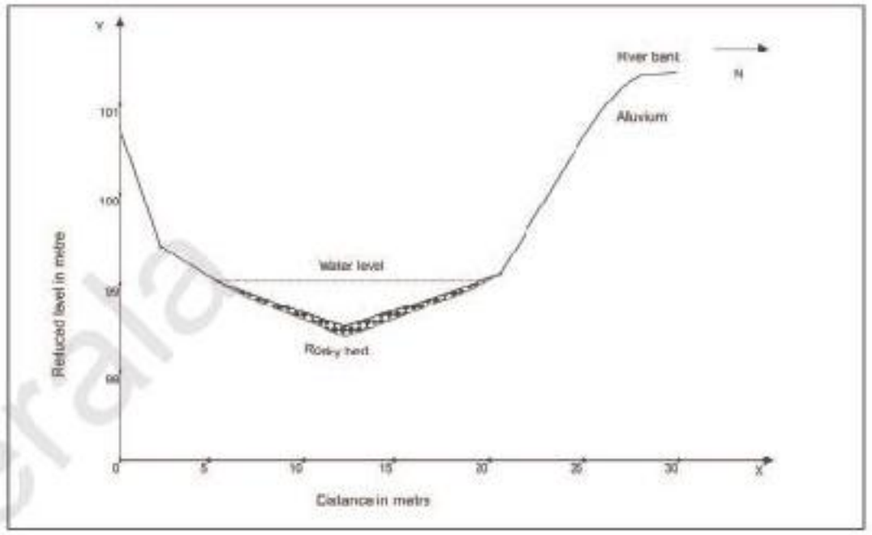
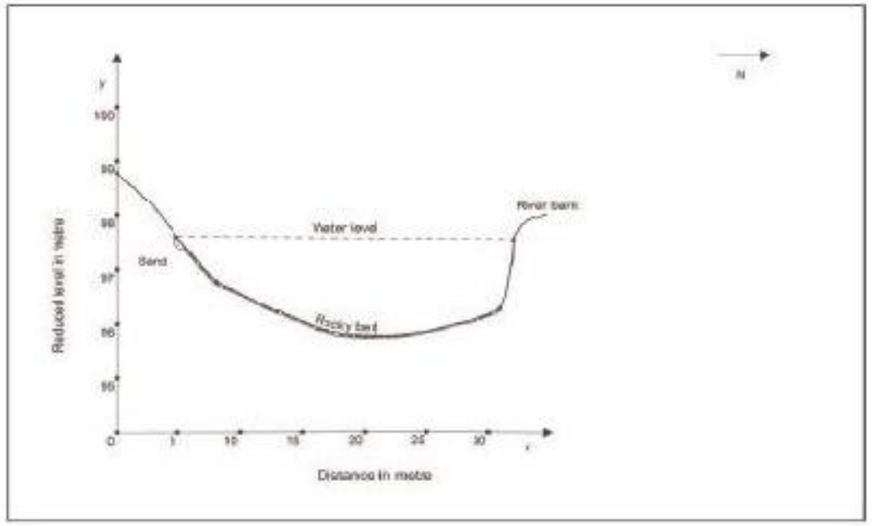
RIVER CROSS SECTION: 21

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	1.10			101.10	100.00	Step of the bathing ghat
P0		0.27			100.83	River bank, alluvium
P1 (2.2m)		1.63			99.47	Stream channel edge
P2 (5.5m)		1.95			99.15	Water level edge. Rocky river bed
P3 (11.98m)		2.46			98.64	Midpoint of the channel, rocky river bed
P4 (20.33m)		1.95			99.15	Water level edge, rocky river bed
P5 (26.15m)			0.02		101.08	River bank, alluvium



RIVER CROSS SECTION: 22

STATIONS	BS	IS	FS	HC	RL	REMARKS
P0	1.23			100.00	98.77	River bank
P1 (1m)		2.50			97.60	Water level edge, Sand is 20 cm deep from the river bed
P2 (9m)		3.20			96.80	Rocky river bed
P3 (13m)		3.70			96.30	Rocky river bed
P4 (17m)		4.08			95.92	Rocky river bed
P5 (21m)		4.18			95.82	Rocky river bed
P6 (31m)		3.62			96.38	Rocky river bed
P7 (32m)			2.40		97.60	water level edge, river bank



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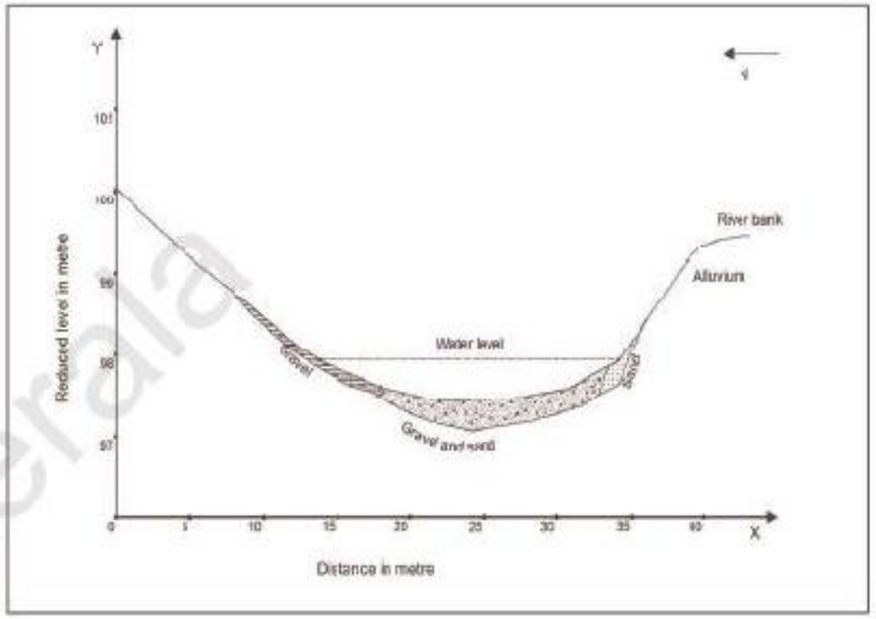
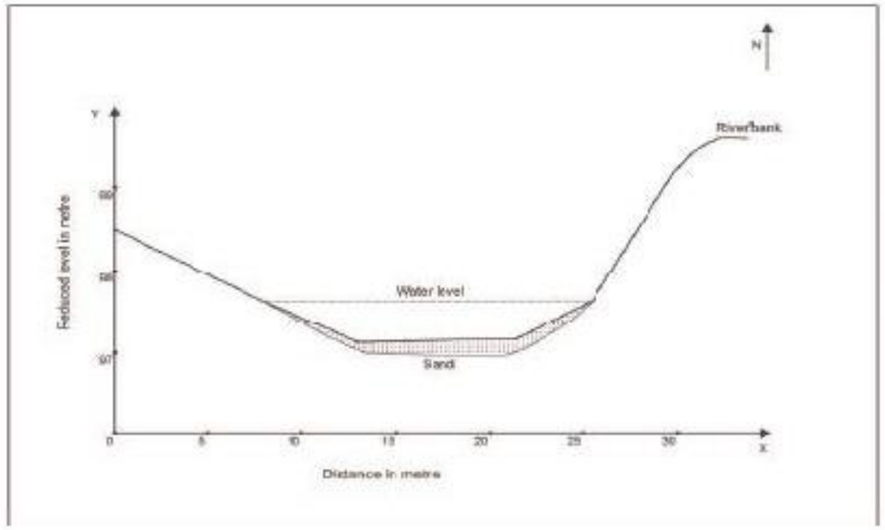
RIVER CROSS SECTION: 23

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.22			100.24	100.00	Top step of SW corner of the bathing ghat
P0		0.20			100.04	River bank, alluvium
P1 (8.6m)		1.55			98.69	Stream channel edge, Gravel
P2 (14m)		2.34			97.90	Water level edge, gravel
P3 (18.25m)		2.66			97.58	Sand and gravel are 0.21 m deep from the river bed
P4 (23.49m)		2.81			97.43	Midpoint of the channel, sand and gravel are 0.35 m deep from the river bed
P5 (34.33m)		2.36			97.88	Water level edge, sand is 0.3m deep from the river bed
P6 (38.83m)			1.15		99.09	River bank, alluvium



RIVER CROSS SECTION: 24

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.09			100.09	100.00	Protection wall
P0		1.60			98.49	River bank, alluvium
P1 (8.2m)		2.43			97.66	Water level edge, sand is 0.18 m deep from the river bed
P2 (13.02m)		2.91			97.18	Sand is 0.15 m deep from the river bed
P3 (15.57m)		2.88			97.21	Sand
P4 (21.57m)		2.86			97.23	Sand is 0.19 m deep from the river bed
P5 (25.72m)		2.43			97.66	Water level edge
P6 (29.82m)			0.81		99.28	River bank



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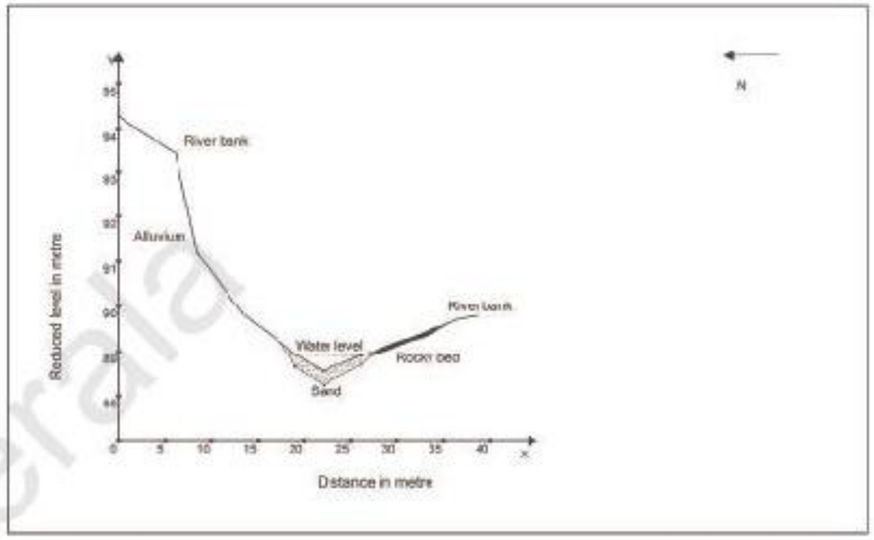
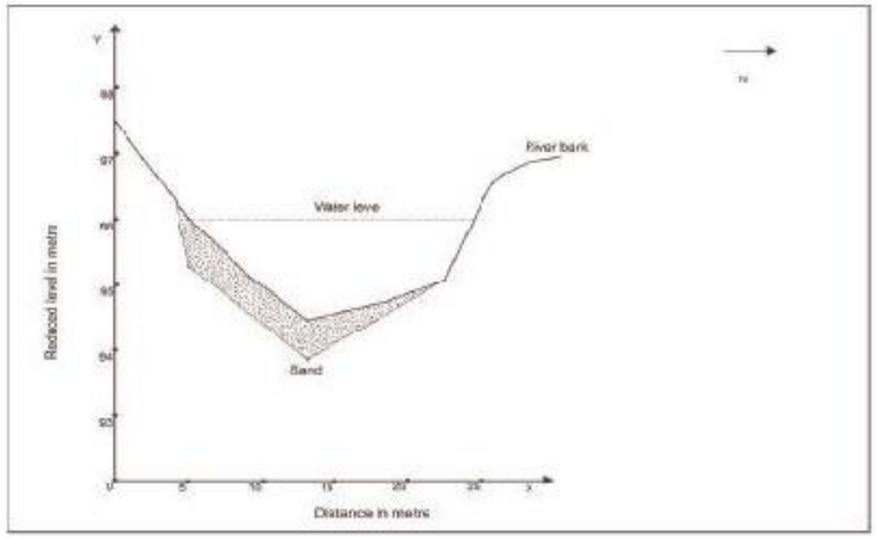
RIVER CROSS SECTION: 25

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.47			99.23	98.76	
I[st] Point		4.95			94.28	Plot
	Change point					
	0.85				94.28	
P0		1.64			93.49	River bank, alluvium
PI		3.92			91.21	Stream channel edge
	Change point					
	0.23				91.21	
P2 (6.1m)		2.51			88.93	Water level edge, sand is 0.32 m deep from the river bed
P3 (15.6m)		2.79			88.65	Midpoint of the channel, sandy bottom with a thickness of 0.3m
P4 (28.2m)		2.48			88.96	Water level edge, sandy bottom with a thickness of 0.19 m
P5 (31.15m)		1.92			89.52	Stream channel edge, rocky river bed
P6 (33.55m)			0.54		90.90	River bank



RIVER CROSS SECTION: 26

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.19			100.19	100.00	Protection wall
P0		2.70			97.49	River bank, alluvium
	Change point					
	0.06			97.55	97.49	
P1 (5.2m)		1.74			96.01	Water level edge, sand is 0.71m deep from the river bed
P2 (3.2m)		3.10			93.90	Midpoint of channel, fine sand is 0.62m deep from the river bed
P3 (22.2m)		2.41			95.14	Water level edge
P4 (25.2m)			1.21		96.34	River bank



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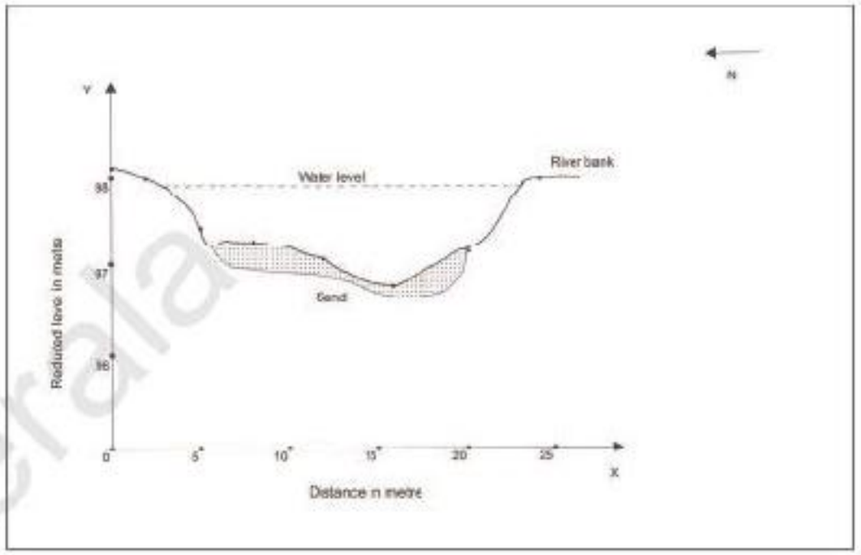
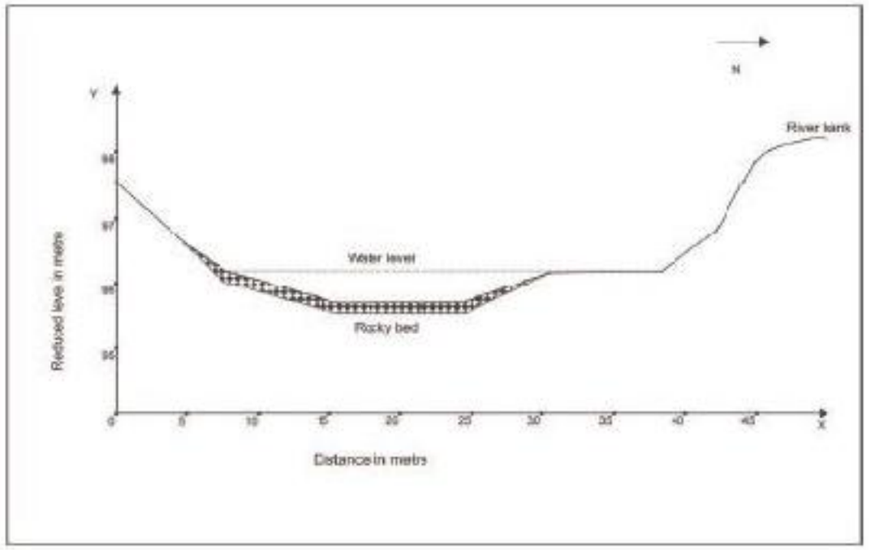
RIVER CROSS SECTION: 27

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM				100.00	98.16	Tributary
P_0	1.87				98.13	River bank
P_1 (2m)		1.91			98.09	Water level edge
P_2 (5m)		2.58			97.42	Sand is 49 cm deep from the river bed
P_3 (8m)		2.67			97.33	Sandy is 35cm deep from the river bed
P_4 (12m)		2.90			97.10	Medium coarse grained sand is 19 cm deep from the river bed
P_5 (16m)		3.11			96.80	Gravely bottom (10cm thickness)
P6 (20m)		2.78			97.22	Gravely bottom (52cm thickness)
P_7 (23 m)		2.04			97.96	Water level edge
P_8 (24 m)			2.00		98.00	River bank



RIVER CROSS SECTION: 28

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.99			99.93	98.94	Protection wall
P0		2.38			97.55	River bank
	Change point					
	0.43				97.55	
P1 (4.8m)		1.36			96.62	Bed rock exposure
P2 (7.55m)		1.77			96.21	Water level edge
P3 (15.6m)		2.26			95.72	Rocky river boed
P4 (24.43m)		2.20			95.78	Rocky river bed
P5 (30.69m)		1.78			96.20	
P6 (38.45m)		1.75			96.23	Water level edge.
P7 (42.24m)		1.13			96.85	Stream channel edge
P8 (44.84m)			0.10		97.88	River bank



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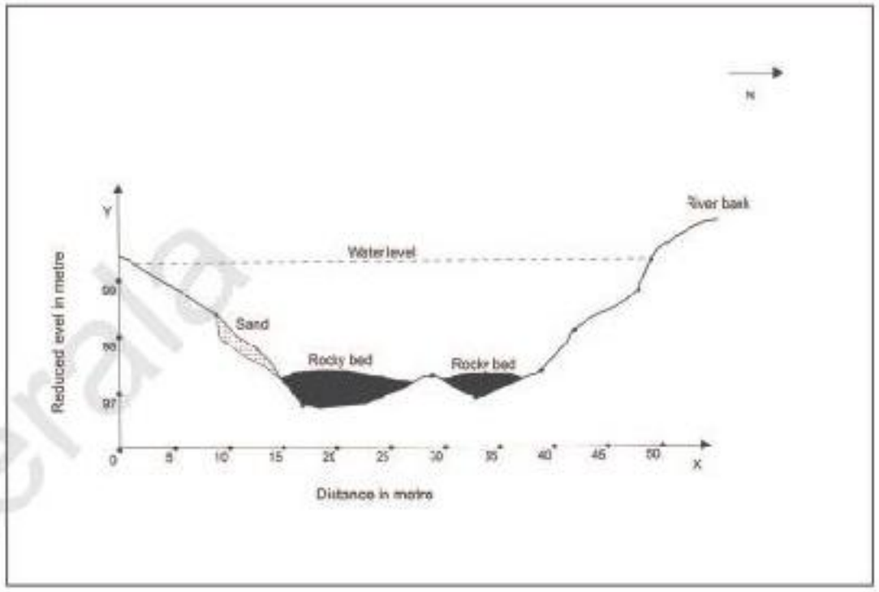
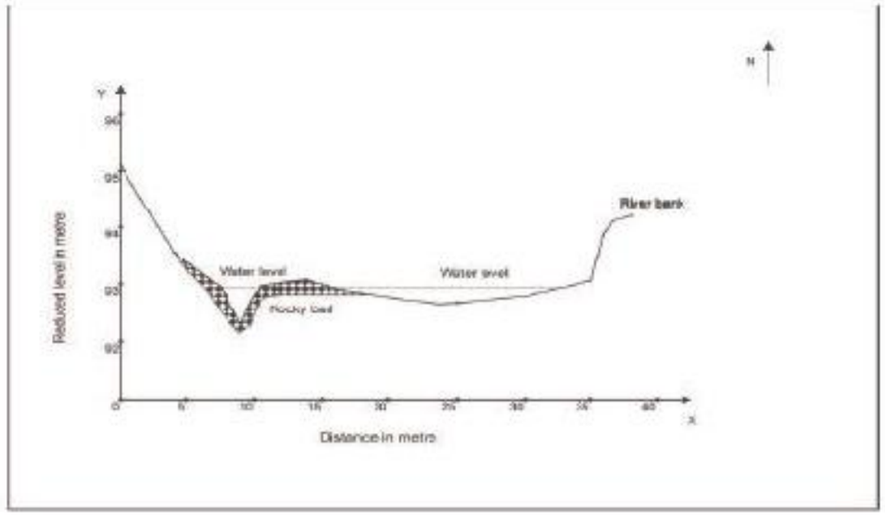
RIVER CROSS SECTION: 29

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.84			100.84	100.00	Base of an electric post
Instrument position		1.35			99.49	River bank
Change point (10.4m)		2.85			102.34	River bank
P_0 (9m)		3.90			98.44	Water level edge
P_1 (13m)		4.50			97.84	Sandy botom
P_2 (17m)		5.50			96.84	Sandy bottom
P_3 (29 m)		5.00			97.34	Rocky river bed
P_4 (33 m)		5.40			96.94	Rocky river bed
P_5 (39 m)		4.90			97.44	Rocky river bed
P_6 (42 m)		4.20			98.14	Rocky river bed
P_7 (48 m)		3.49			98.85	Rocky river bed
P8 (49m)		1.54			99.30	Water level edge
P8 (50.5m)			1.24		99.60	River bank



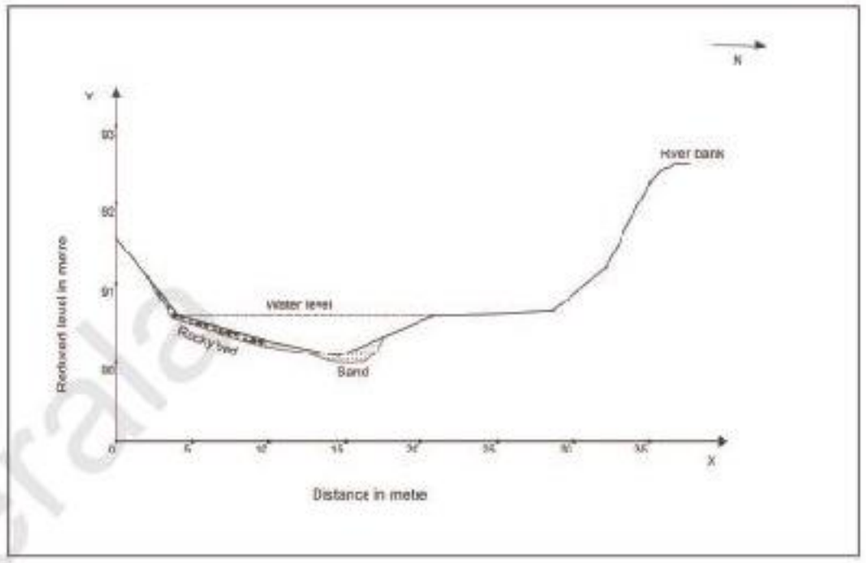
RIVER CROSS SECTION: 30

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.21			98.97	98.76	Parapet
P0		3.87			95.10	River bank, alluvium
	Change point					
	0.14			95.24	95.10	
P1 (3.9m)		1.67			93.57	Stream channel edge, bed rock exposure
P2 (7.53m)		2.26			92.98	Water level edge, bed rock exposure
P3 (9.29m)		2.89			92.35	Rocky river bed
P4 (10.54m)		2.24			93.00	Water level edge, rocky river bed
P5 (13.79m)		2.14			93.10	Bed rock exposure
P6 (16.6m)		2.28			92.96	Water level edge
P7 (25.34m)		2.50			92.74	Midpoint of the channel
P8 (35.3m)		2.14			93.10	Water level edge
P9 (36.3m)			1.35		93.89	River bank



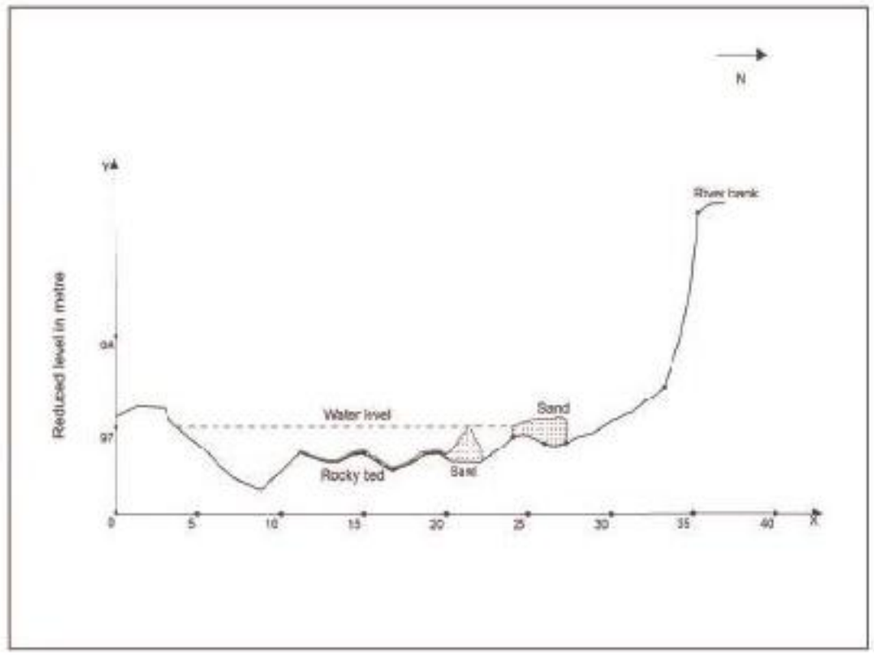
RIVER CROSS SECTION: 31

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.21			98.97	98.76	Fencing stone
1st Point		3.83			95.38	Plot
	Change point					
	0.88			96.26	95.38	
2nd Point		3.98			92.28	Plot
	Change point					
	0.12			92.40	92.28	
P0		0.76			91.64	River bank, alluvium
P1 (2.2m)		1.24			91.16	Stream channel edge, bed rock exposure
P2 (4.4m)		1.82			90.58	Water level edge, bed rock exposure
P3 (17.5m)		2.25			90.15	Midpoint of the channel, coarse grained sand
P4 (20.25m)		1.78			90.62	
P5 (25.11m)		1.75			90.65	Water level edge
P6 (31.01m)		1.13			91.27	Stream channel edge
P7 (33.22m)			0.10		92.30	River bank



RIVER CROSS SECTION: 32

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.28			98.28	98.00	S W corner of the side wall
P_0		1.10			97.18	Top edge of the side wall
P_1 (3 m)		1.06			97.22	
P_2 (3.8)		1.20			97.08	Water level edge
P_3 (5 m)		1.44			96.84	
P_4 (7 m)		1.82			96.46	
P_5 (9 m)		1.96			96.32	
P_6 (11 m)		1.57			96.71	Rocky river bed
P_7 (13 m)		1.64			96.64	
P_8 (15 m)		1.58			96.70	
P_9 (17 m)		1.71			96.57	
P_{10} (19 m)		1.53			96.75	
P_{11} (20.5m)		1.56			96.72	Channel bar starts (24 cm. thickness)
P_{12} (21.4m)		1.26			97.02	Centre of the channel bar (45 cm thickness) clay sand
P_{13} (22.1m)		1.52			96.76	Edge of channel bar (20 cm.)
P_{14} (24.1m)		1.40			96.88	Channel bar starts (14 cm)
P_{15} (26.1m)		1.46			96.82	Edge of channel bar (20 cm.)
P_{16} (27.35m)		1.42			96.86	Water level edge (12 cm.)
P_{17} (33.35m)		0.84			97.44	
P_{18} (35.35m)			1.10		99.38	River bank



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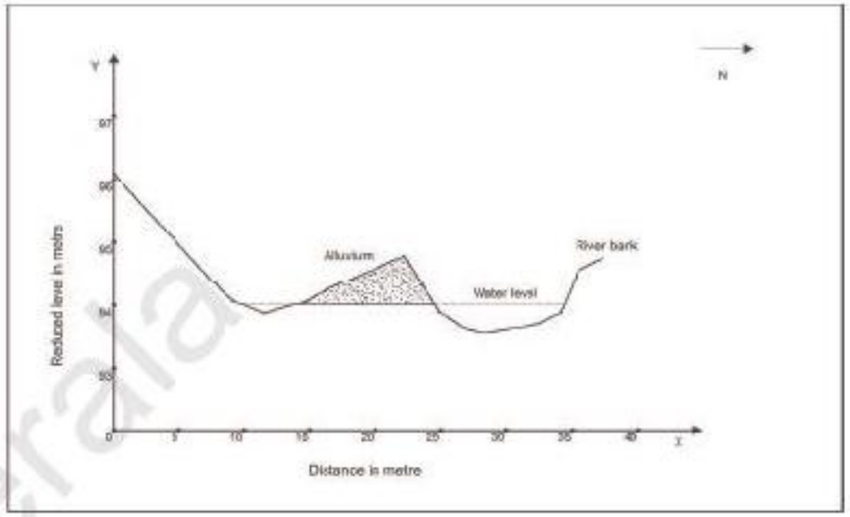
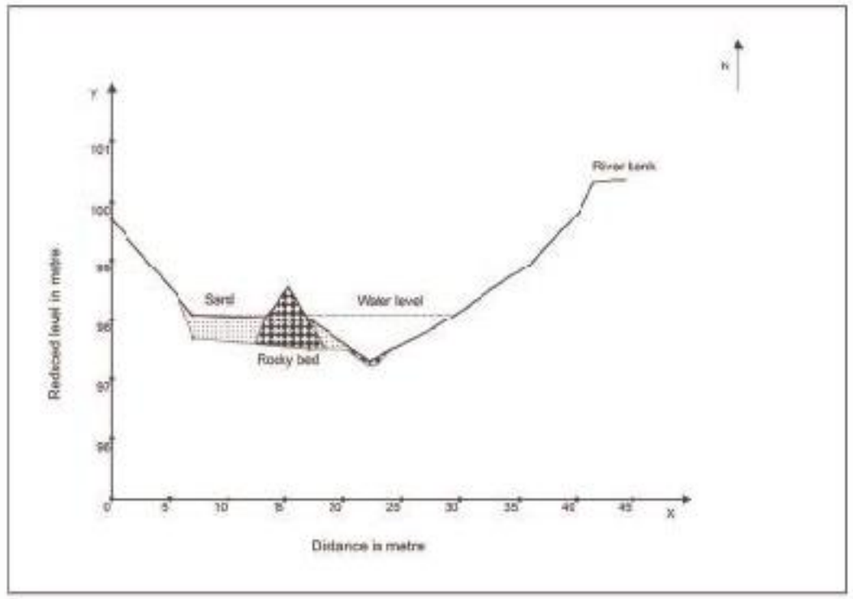
RIVER CROSS SECTION: 33

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.37			99.51	99.14	Protection wall
P0		3.42			96.09	River bank, alluvium
	Charge point					
	0.32			96.41	96.09	
P1 (9.03m)		2.34			94.07	Water level edge
P2 (11.78m)		2.51			93.90	Midpoint of the channel, rocky river bed
P3 (14.73m)		2.34			94.07	Water edge, rocky river bed
P4 (16.43m)		2.13			94.28	Midpoint of the channel, alluvium deposits
P5 (22.23m)		1.56			94.85	Alluvium deposits
P6 (24.98m)		2.44			93.97	Water level edge, end point of alluvium deposits
P7 (28.38m)		2.76			93.65	Midpoint of the channel
P8 (34.18m)		2.42			93.99	Water level edge
P9 (35.18m)			1.21		95.20	River bank



RIVER CROSS SECTION: 34

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.87			100.87	100.00	Protection wall
P0		1.15			99.72	River bank, alluvium
P1 (6.85m)		2.70			98.17	Water level edge, sandy material is 0.39 m deep from stream bed.
P2 (13.25m)		2.73			98.14	Rocky exposure, sandy material is 0.54 m deep from stream bed
P3 (15.25m)		2.23			98.64	Rocky exposure. Sandy material is 0.58 m deep from stream bed
P4 (16.75m)		2.77			98.10	Edge of the rocky bed, sand is 0.54 m from the stream bed
P5 (22.05m)		3.43			97.44	Midpoint of channel. Rocky river bed
P6 (27.65m)		2.92			97.95	Water level edge
P7 (35.9m)		1.75			99.12	River bank
P8 (39.9m)			0.96		99.91	River bank



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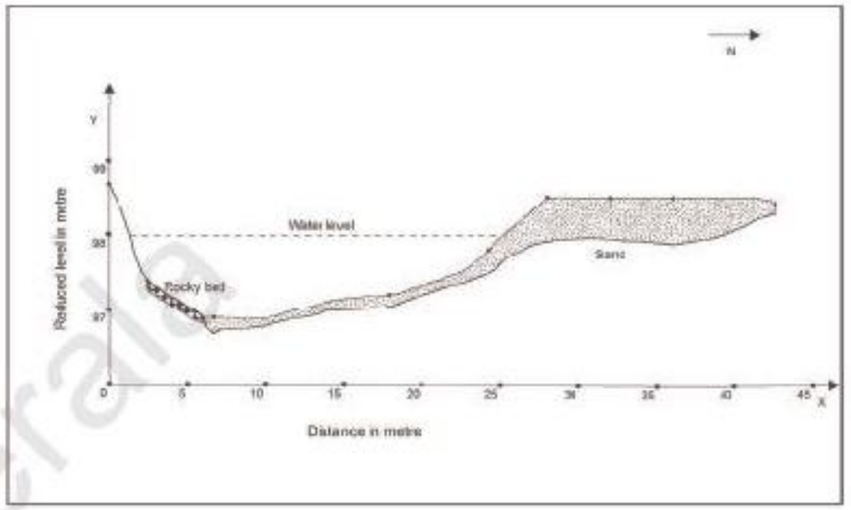
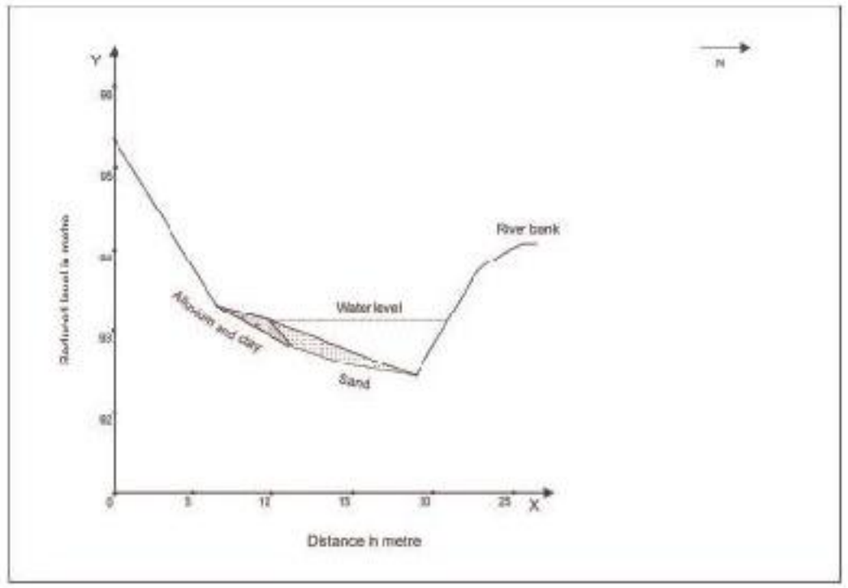
RIVER CROSS SECTION: 35

STATIONS	BS	IS	FS	HC	RL	REMARKS
P0	1.22			100.00	98.78	River Bank
P1 (2.3m)		2.53			97.42	Water level edge, rocky river bed
P2 (6.3m)		3.10			96.90	Sand and gravel (23cm thickness)
P3 (10.3m)		3.05			96.95	Gravel (8cm thickness)
P4 (14.3)		2.82			97.18	Gravel (14cm thickness)
P5 (18.3)		2.71			97.29	Gravel and sand (12 cm thickness)
P6 (24.3m)		2.15			97.85	Gravel (32cm thickness) Channel bar starts, water level edge
P7 (28.3m)		1.41			98.59	Sandy bottom (64 cm thickness)
P8 (32.3m)		1.50			98.50	Sandy bottom (50 cm thickness)
P9 (36.3m)		1.44			98.56	Sandy bottom (54 cm thickness)
P10 (42.8m)			1.58		98.42	River bank



RIVER CROSS SECTION: 36

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.03			100.03	100.00	Base of an electric post
P0		4.65			95.38	River bank, alluvium
	Change point					
	0.06					
P1 (6.74m)		2.12			93.32	Stream channel edge, alluvium and clayey material
P2 (10.29m)		2.28			93.16	Water level edge, sand (medium) is 0.15m deep from the river bed
P3 (19.17m)		3.01			92.43	Midpoint of the channel
P4 (21.69m)		2.25			93.19	Water level edge
P5 (22.69m)			1.85		93.59	River bank



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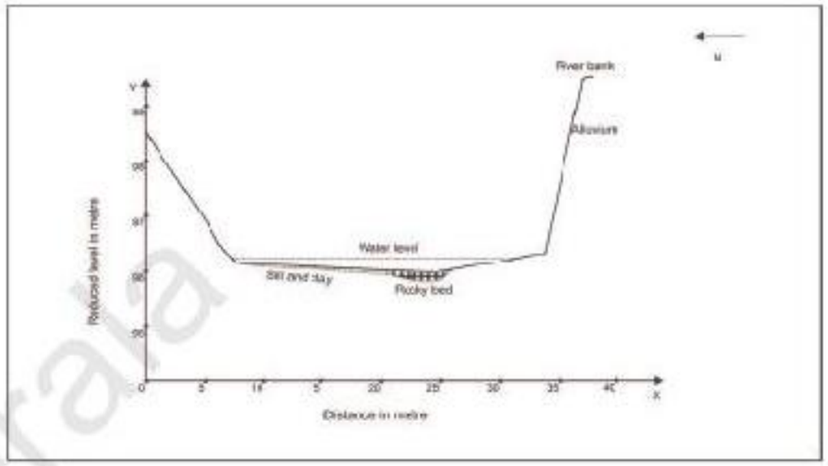
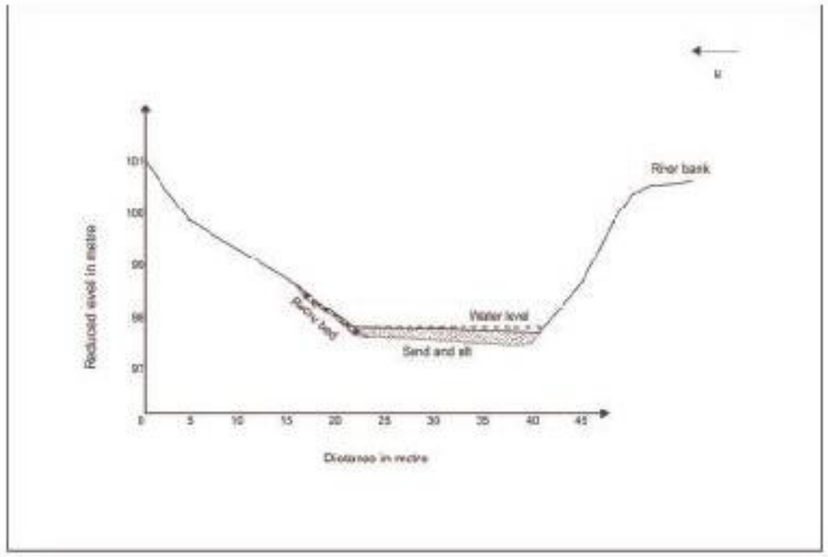
RIVER CROSS SECTION: 37

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.01			100.01	100.00	Protection wall
P0		1.48			98.52	River bank, alluvium
P1 (7.9m)		3.84			96.16	Water level edge, silt and clay
P2 (14.6m)		3.93			96.07	Silt and clay
P3 (24.74m)		4.12			95.88	Rocky river bed
P4 (33.99m)		3.80			96.20	Water level edge
P5 (37.44m)			0.63		99.37	River bank, alluvium



RIVER CROSS SECTION: 38

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	1.10			101.10	100.00	Base of a pillar of the bridge
P0		0.22			100.88	River bank, alluvium
P1 (4m)		1.33			99.77	Stream channel edge
P2 (15.2m)		2.53			98.57	Alluvium, rocky river bed
P3 (20.9m)		3.29			97.81	Water level edge, Sand is 0.15m deep from river bed
P4 (29.65m)		3.26			97.84	Midpoint of the channel, sand is 0.15 m deep from river bed
P5 (39.8m)		3.28			97.82	Water level edge, sand and silt are 0.25m deep from the river bed
P6 (47.25m)			1.15		99.95	River bank, alluvium



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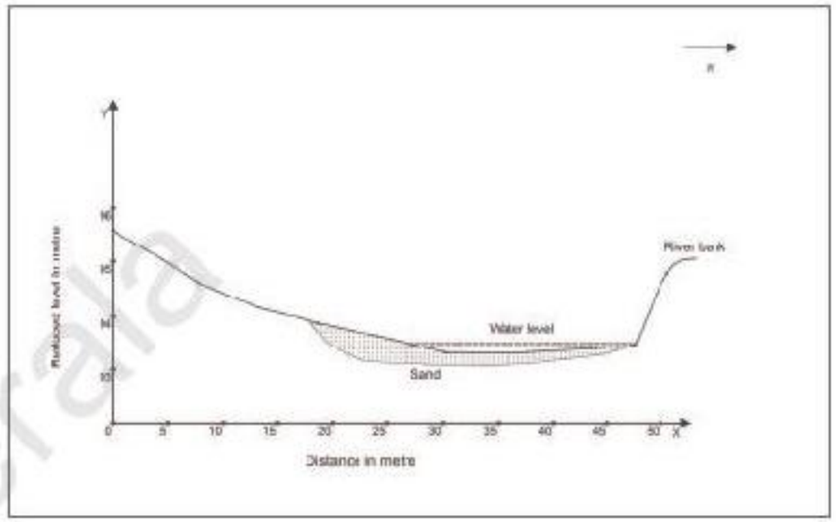
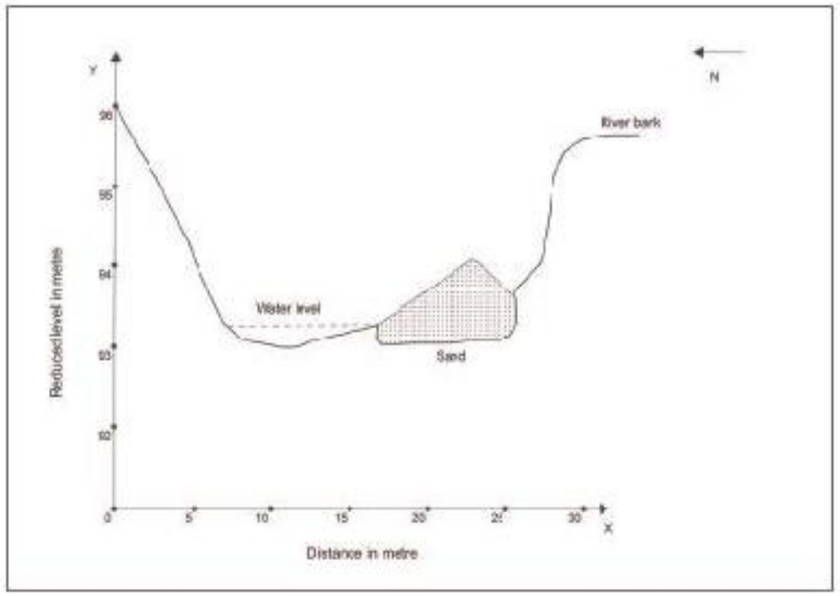
RIVER CROSS SECTION: 39

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.03			100.03	100.00	Protection wall
P0		4.40			95.63	River bank, alluvium
	Change point					
	0.59				95.63	
P1 (7.54m)		1.54			94.68	River bank, alluvium
P2 (18.74m)		2.26			93.96	Sand (coarse- medium grade) is 0.95 m deep from the river bed, water level edge
P3 (30.04m)		2.77			93.45	Sand is 0.14 m deep from the river bed
P4 (47.64m)		2.58			93.64	Water level edge
P5 (50.44m)			1.23		94.99	River bank



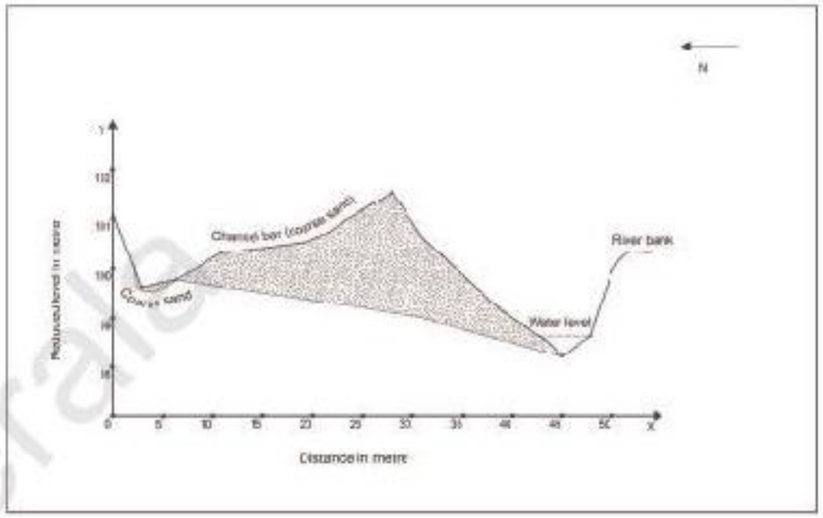
RIVER CROSS SECTION: 40

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.01			99.77	99.76	NW corner of the basement of a house
Position 1 (5.5m)			2.55		97.24	
Change point						
Position 2 (19m)	1.30			98.54	97.24	
					96.04	Rocky river bank
Change point						
P0 P1 (6m)	0	 2.65		96.04	96.04 93.39	River bank
P2 (9.2m)		2.72			93.32	Water level edge
P3 (13.2m)		3.00			93.04	Sand is 16cm deep from the river bed
P4 (19.2m)		2.72			93.32	Gravel, sand. Water level edge, channel bar starts
P5 (25.2m)		1.04			94.10	Sand is 24 cm deep from the river bed
P6 (28.2m)		2.31			93.73	Channel bar ends
P7 (29.2m)		2.05			93.99	River bank
P8 (31.2m)			0.78		95.26	River bank



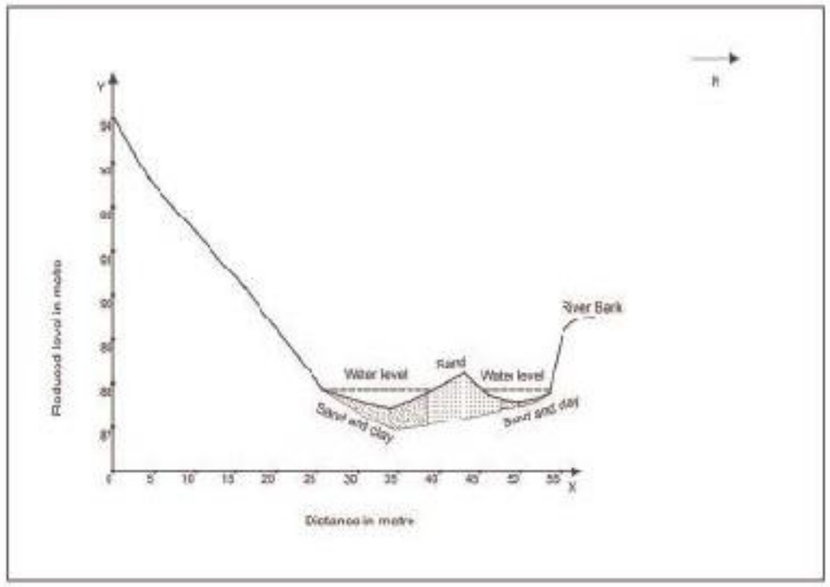
RIVER CROSS SECTION: 41

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	1.71			101.71	100.00	Base of the bathing ghat
P0		0.58			101.13	River bank
P1 (2.3m)		2.03			99.68	Stream channel edge, coarse sand deposits
P2 (5.4m)		1.92			99.79	Starting point of sand bar, coarse- medium sand
P3 (10.7m)		1.34			100.37	Sand bar
P4 (19.95m)		1.08			100.63	Sand bar
P5 (27.72m)		0.04			101.67	Midpoint of the sand bar
P6 (32.87m)		1.34			100.37	
P7 (43.32m)		2.97			98.74	End of the sand bar. Water level edge
P8 (45.32m)		3.34			98.38	Midpoint of water level
P9 (47.02m)		2.94			98.77	Water level edge
P10 (49.57m)			1.62		100.09	River bank



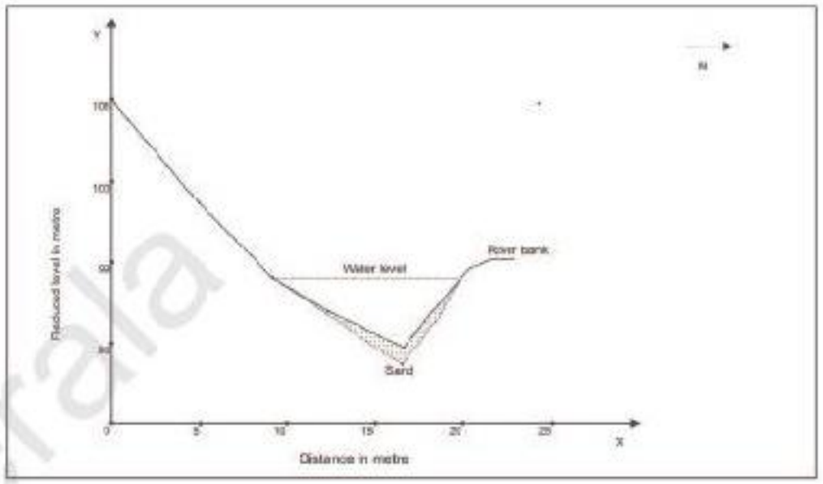
RIVER CROSS SECTION: 42

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.03			97.50	96.57	Protection wall
P0		3.53			93.97	River bark, alluvium
	Change point					
	0.18				93.97	
P1 (4.16m)		1.50			92.65	River bark, alluvium
P2 (16.41m)		3.96			90.19	River bark, alluvium
P3 (25.78m)		2.56			87.85	Water level edge
P4 (34.04m)		2.91			87.50	Midpoint of the channel, sand is 0.52m deep from the river bed
P5 (38.75m)		2.55			87.86	Starting point of sand bar, water level edge
P6 (42.95m)		2.18			88.31	Midpoint of the sand bar
P7 (46 m)		2.60			87.81	End of the sand bar, water level edge
P8 (49.8m)		2.76			87.65	Midpoint of the channel, sand and clayey material
P9 (53.8m)		2.57			87.84	Water level edge
P10 (55.3m)			1.27		89.14	River bark



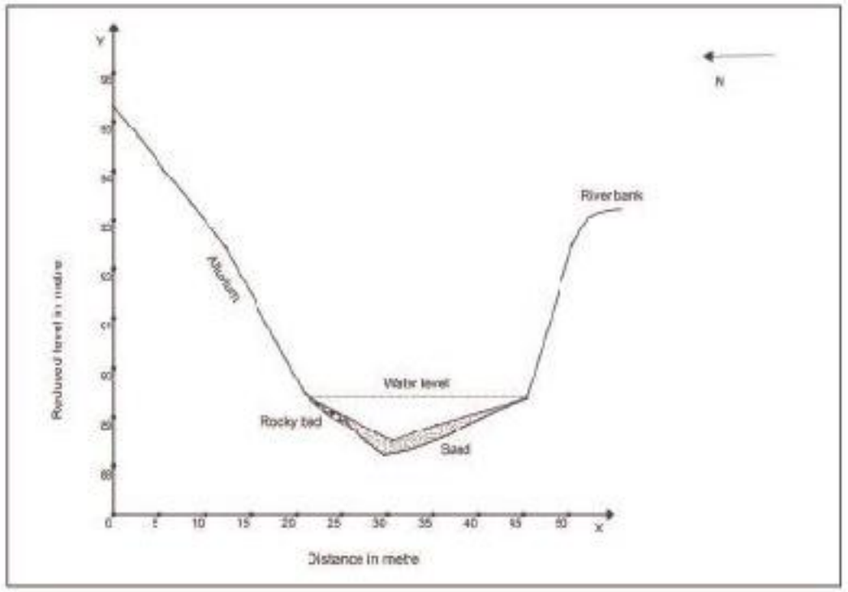
RIVER CROSS SECTION: 43

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	1.12			101.12	100.00	Protection wall
P0	0.12				101.00	River bank
P1 (4.75m)		1.36			99.76	
P2 (9.09m)		2.27			98.85	Water level edge
P3 (12.29m)		2.65			98.47	Medium grade sand 0.25 below from the river bed
P4 (6.59m)		3.08			98.04	Midpoint of channel
P5 (9.59m)		2.30			98.82	Water level edge
P6 (23.59m)			0.02		101.10	River bank



RIVER CROSS SECTION: 44

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.16					Protection wall
P0		3.86			95.30	River bank, alluvium
	Change point					
	0.07			95.37	95.30	
P1 (11.97m)		2.93			92.44	Stream channel edge, alluvium material
	Change point					
	0.77			93.21	92.44	
P2 (20.67m)		3.80			89.41	Water level edge, bed rock exposure
P3 (29.9 m)		4.74			88.47	Midpoint of channel, sandy material is 0.31 m deep from stream bed
P4 (35.1m)		4.45			88.76	Sandy material is 0.28 m deep from stream bed
P5 (45.13m)		3.78			89.43	Water level edge
P6 (49.8m)			0.65		92.56	River bank



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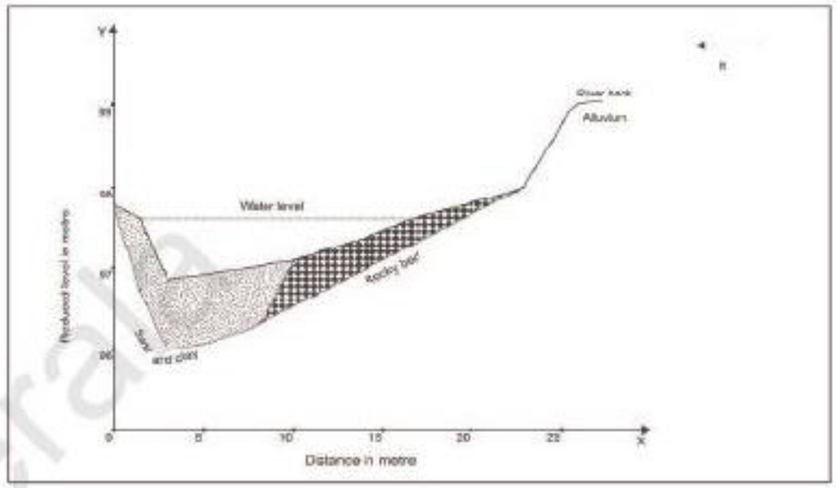
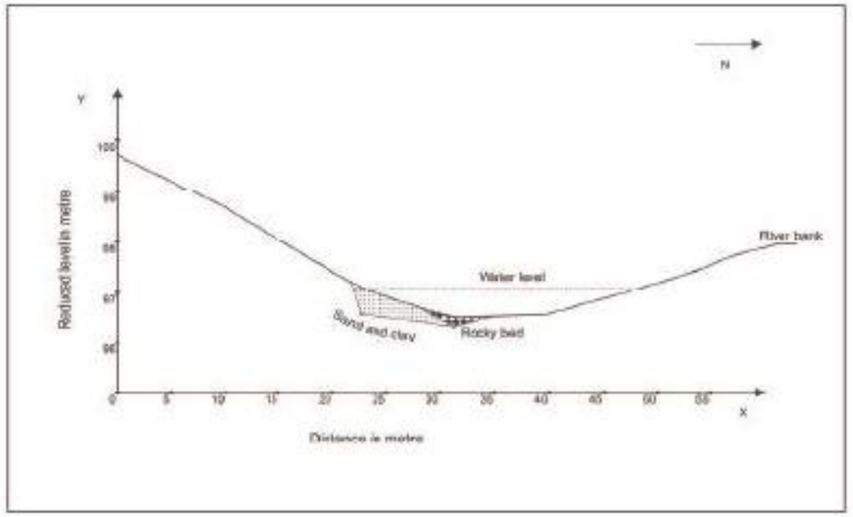
RIVER CROSS SECTION: 45

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.22			100.22	100.00	Protection wall
P0		0.49			99.73	River bank
P1 (10.15m)		1.48			98.74	
P2 (22.87m)		3.08			97.14	Water level edge, sand and clay is 0.5 m deep from the river bed
P3 (31.37m)		3.65			96.57	Midpoint of the channel, rocky river bed
P4 (53.72m)		2.72			97.50	Water level edge
P5 (55.22m)			1.24		98.98	River bank



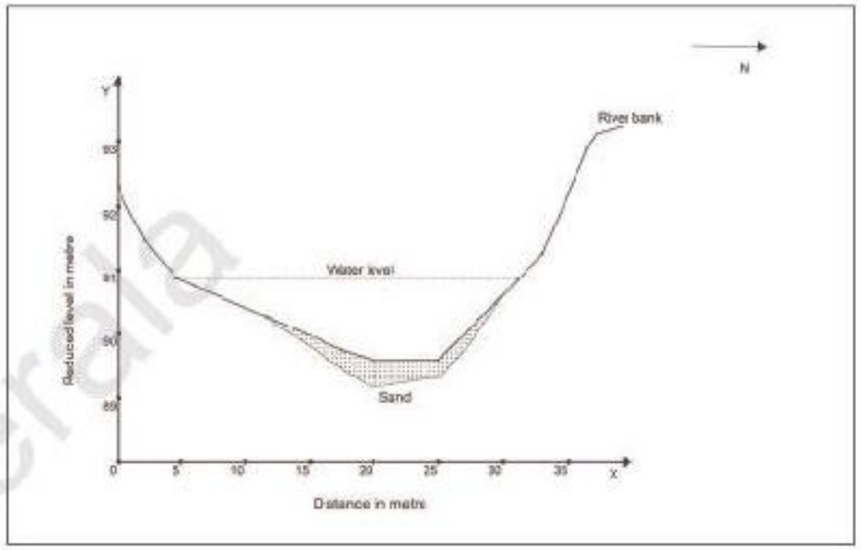
RIVER CROSS SECTION: 46

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM (P0)	1.26			99.05	97.79	Protection wall
P1 (1.5m)		1.43			97.62	Water level edge, fine sand and clay material are 0.85m deep from stream bed.
P2 (3m)		2.19			96.86	Fine sand and clay material are 0.89 m deep from stream bed.
P3 (10m)		1.92			97.13	Midpoint of channel, rocky bottom
P4 (16.6m)		1.44			97.61	Water level edge, rocky river bed
P5 (23.1m)		1.05			98.00	Stream channel edge
P6 (24.7m)			0.21		98.84	River bank, alluvium



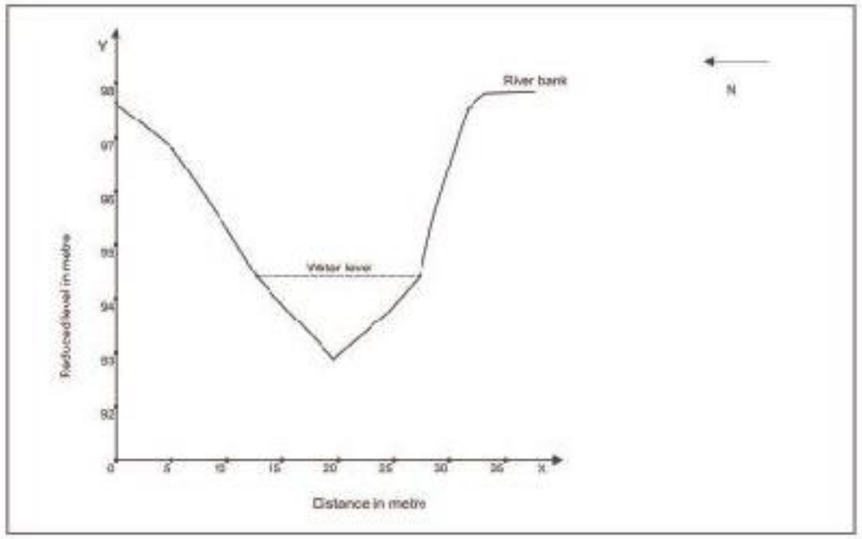
RIVER CROSS SECTION : 47

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.83			93.08	92.25	Corner where the pump house and the wall meets.
P0		0.79			92.29	River bank, protection wall
P1 (2.2m)		1.60			91.48	Stream channel edge
P2 (4.4m)		2.20			90.88	Water level edge.
P3 (17.5m)		3.32			89.76	Sand is 0.36 m deep from the river bed
P4 (20.25m)		3.46			89.62	Sand is 0.39 m deep from the river bed
P5 (25.11m)		3.44			89.64	Sand is 0.26 m deep from the river bed
P6 (31.01m)		2.21			90.87	Water level edge
P7 (33.22m)		1.83			91.25	Stream channel edge
P8 (36.62m)			0.14		92.94	River bank



RIVER CROSS SECTION: 48

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.03			98.61	98.58	Protection wall
P0		0.92			97.69	River bank, alluvium
	Change point					
	0.13			97.82	97.69	
P1 (4.92m)		1.01			96.81	
P2 (12.52m)		3.39			94.43	Water level edge
P3 (19.42m)		4.88			92.94	Midpoint of the channel
P4 (27.32m)		3.34			94.48	Water level edge
P5 (31.62m)			0.25		97.57	River bank



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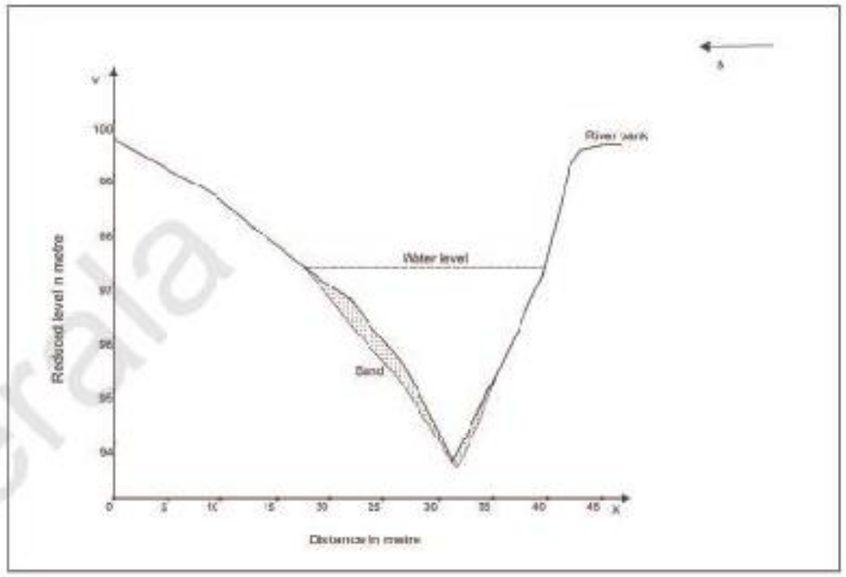
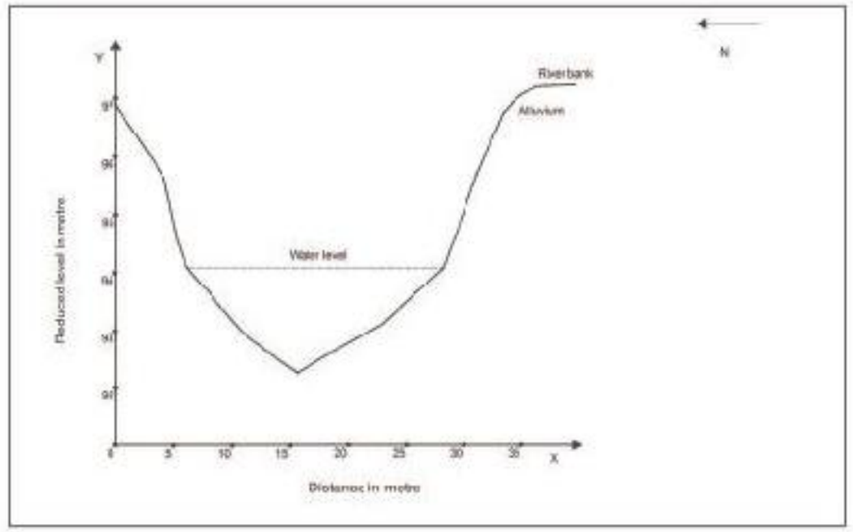
RIVER CROSS SECTION: 49

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.31			100.31	100.00	
P0		0.64			99.67	River bank, alluvium
P1 (13m)		2.20			98.11	Stream channel edge
P2 (17.78m)		2.94			97.97	Water level edge
P3 (21.78m)		3.48			96.83	Sand is 0.5m deep from the stream bed
P4 (27.78m)		5.08			95.23	Water level, 1.94 m from river bed
P5 (31.78m)		6.46			93.85	Water level, 3.35 m from river bed
P6 (39.78m)		2.93			97.38	Water level edge
P7 (42.28m)			0.96		99.35	River bank, alluvium



RIVER CROSS SECTION: 50

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.51			98.61	98.10	Base of the pump house
P0		1.70			96.91	River bank, alluvium
	Change point					
	0.61			97.52	96.91	
P1 (4.1m)		1.84			95.68	Alluvium
P2 (6.1m)		3.36			94.16	Water level edge
P3 (15.6m)		5.18			92.34	Midpoint of the channel.
P4 (28.2m)		3.41			94.11	Water level edge.
P5 (31.15m)		1.77			95.75	Stream channel edge
P6 (33.55m)			0.71		96.81	River bank



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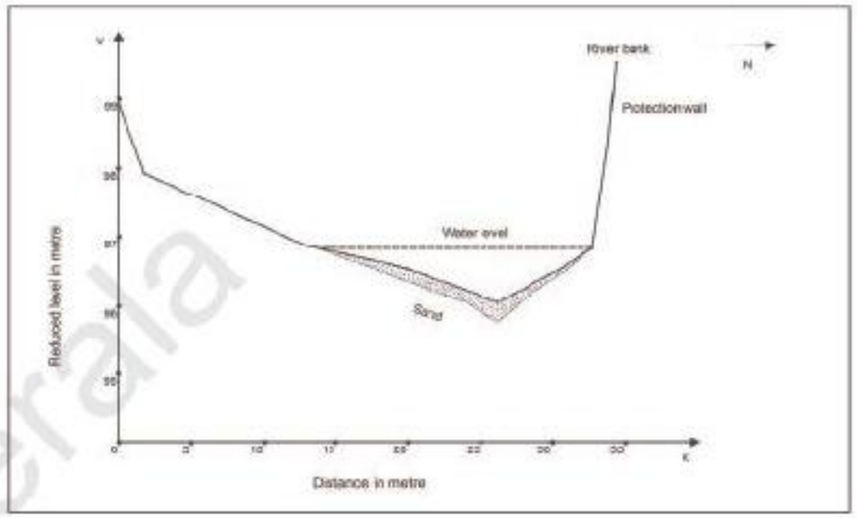
RIVER CROSS SECTION: 51

STATIONS	BS	IS	FS	HC	RL	REMARKS
TBM	0.04			99.65	99.61	Base of the wall
P0		0.69			98.96	River bank, alluvium
P1 (1.5m)		1.67			97.98	Stream channel edge, alluvium
P2 (13.2m)		2.72			96.93	Water level edge
P3 (19.96m)		3.03			96.62	Midpoint of channel, sand is 0.18 m deep from the stream bed
P4 (26.09m)		3.48			96.17	Sand is 0.26 m deep from the stream bed
P5 (32.69m)		2.75			96.90	Water level edge
P6 (34.19m)			0.04		99.61	River bank, protection wall



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