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MINISTRY OF WATER RESOURCES  
BANGLADESH WATER DEVELOPMENT BOARD

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M E S II



TECHNICAL NOTE MES-027

SALINITY IN THE MEGHNA ESTUARY

October 2000

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DHV CONSULTANTS BV

in association with

DEVCONSULTANTS LTD  
SURFACE WATER MODELLING CENTRE

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## 1. INTRODUCTION

Within the framework of the Meghna Estuary Study (MES) a 2D numerical simulation model has been set up by SWMC. In the 2nd phase of MES (MES II) this model is being further improved to obtain a realistic description of water flows in the Meghna Estuary. An important issue in the modelling is the salinity distribution (both vertical and horizontal), which influences the water flow.

SWMC requested MES Project to carry out an additional survey to collect new data on salinity. A program of measurements was prepared by SWMC and agreed upon with MES. Within this program, two surveys were carried out till now : one in September-October 1999, the other in February-March, 2000.

A comprehensive set of data was collected, consisting of salinity profiles in approximately 80 locations in the estuary and time series of salinity profiles, taken from several fixed positions.

This report details the results of the survey carried out in February-March, 2000 and in September-October 1999.

### 1. DRY PERIOD (FEBRUARY-MARCH 2000) SURVEY

#### 1.1 Surveyed area

The survey covered the largest part of the Meghna Estuary, including open area south-east of Nidjum Dwip, East and West Shahbazpur Channels, the area south of Kuakata and Char Biswas/Rangabali, Hatia Channel and Sandwip Channel. Figures 1 & 8 show the locations of survey points.

Two types of measurements were carried out:

- measurements from the E-vessel (a daughter vessel of the survey vessel Anwasha), travelling along fixed lines. The density of points along these lines varied between 5 km and 10 km. In some cases additional measurements in unscheduled locations were taken, in order to account for the encountered physical phenomena, like current fronts and salinity fronts.
- measurements at 3 fixed locations, taken from the vessel Anwasha, which was anchored at one position during a longer period of time.

#### 1.2 Environmental conditions

The survey was carried out during dry period, under spring tide conditions. The discharge of the Lower Meghna was very low during the survey period, therefore the river flow had a very limited influence on the salinity distribution in the estuary. The wind and wave conditions were calm. Significant waves (up to approx. 0.5m) were observed only in the most southern part of the sailed track.

#### 1.3 Data collection procedure

##### 1.3.1 Measurements from E-vessel

The vessel was maneuvered to the scheduled position using GPS-12 hand-held system. The start and end position of the vessel during each measurement were determined with the same GPS-12 system.



The measurements were taken with hand-held LF-325 conductivity meter (Mobro Instrumentering). The measured parameters were:

- salinity;
- water temperature.

The probe of the conductivity meter was attached to a 18m long rope. The vertical profile was obtained by lowering the probe into the water, reading the measured parameters in the surface layer, and then subsequently by lowering the probe by 1 m until the bottom was touched. In two cases the length of available rope/cable combination was not sufficient to reach the bottom.

The duration of one measurement sequence was approximately 2-3 minutes. Depending on the flow velocity and wave action, the vessel drifted up to 200-300 m during this time. Also, at greater depths the drift of the probe was different from that of the vessel's drift, therefore, the actual depth was in many cases less than the measured one as the probe's cable was not vertical.

### **1.3.2 Measurements from survey vessel Anwasha**

#### **1.3.2.1 Salinity profiles**

These measurements were taken from the anchored vessel, which allowed to make a time series of salinity profiles. These profiles were taken using the same type LF-325 conductivity meter. The salinity and temperature were measured each time according to the same procedure as used on the E-vessel, i.e. by measuring at 1m depth intervals. This procedure was repeated every 1/2 hour. Anwasha was anchored at 3 locations during the survey, and the profiles are available for all these locations. It is noted that as the vessel was not drifting along with the flow, the probe attached to a cable drifted considerably with the strong current, therefore, the measured depths would deviate from the actual depths.

#### **1.3.2.2 Velocity recordings**

Vertical velocity profiles were measured from Anwasha using the S-4 current meter. Flow magnitude and direction were measured at 1 m depth intervals, starting from the surface. The measurement was repeated every 1/2 hour during 3 days, except during the time when the vessel was sailing. Besides flow velocity, salinity, temperature and conductivity were also measured with the S-4 instrument. However, the salinity readings appeared to be erroneous and were disregarded for this reason.

No considerable drift of the instrument was observed, as it was ballasted sufficiently.

## **2. MONSOON (SEPTEMBER-OCTOBER 1999) SURVEY**

The program of the 1999 survey, carried out between 28 September and 6 October 1999, was comparable with that of the 2000 survey described in the previous chapters. The measurements were taken from the survey vessel Anwasha, using LF-325 conductivity meter during monsoon. The surveyed area was located more to the south, along the expected border of intrusion of saline seawater into the estuary.

The locations of survey points are presented in Figure 2.

### 3. DISCUSSION OF RESULTS

#### 1999 survey (monsoon period)

The results of the survey are presented in a tabular form in Table 1. Figures 3 and 4 show salinity isolines for the surface and bottom layer respectively. It is noted that these isolines have no exact physical meaning as the measurements were not taken simultaneously and therefore were influenced by changing tidal condition. However, maps with salinity isolines give an indication of the spatial distribution of salinity. Also the actual measured salinities are given on these maps. Figure 5 shows the difference in salinities between the bottom and the surface layer, which gives an indication of the stratification in the estuary. Figure 6 shows the vertical salinity profile at three points located west and southwest of the Kutubdia island in the Bay of Bengal. This figure shows that the vertical column of water there is stratified in the monsoon.

The measurements were taken during the influence period of neap tide. Most of the estuary is filled with fresh water from the rivers. Slightly saline water (0.5-0.6 ppt) protrudes to the Sandwip Channel. The southeast part of the estuary, which opens towards the Bay of Bengal is stratified (see Figure 4), with slightly saline water near the surface and brackish / saline water (20-25 ppt) near the bottom. The extent of salinity intrusion is to some extent dependent on the tidal flows. This can be seen in Figure 4, where a strong variation of salinity in the same locations is shown. The values were measured on different days, and at different position of the tidal cycle, therefore, the effect of the changed position of the salinity front can be seen. It is noted that some errors in positioning of measurement points have been found during post-processing. The erroneous data have been removed, still, a possibility of more positioning errors cannot be excluded.

#### 2000 survey (dry period)

The results are presented in numerical form in Tables 2, 3 and 4. Figure 7 shows the salinity isolines, which are based on depth-averaged salinity. Figure 8 shows the position and the corresponding average salinity during February 27-March 9, 2000 period. During this survey period, salinity in the whole water column at the measurement locations was found to be uniform. No significant difference between the surface and bottom salinities was observed. The surveyed area is brackish/saline.

The influence of fresh water flow from the Lower Meghna River is limited to the very upstream end of the estuary. Upstream of Char Gazaria the water of the Lower Meghna River can be considered fresh.

In Figure 9 the time series of salinity and temperature are shown. The measurements were taken from Anwesha at three locations. As these locations were not far away from each other (approx. 20 km), it is assumed that there was no large difference in the hydraulic conditions between these locations. The influence of the tide is not very clear.

Finally, the measured velocities are presented in Figure 10. The presented values are depth-averaged. The measured velocity profile varies with the tide and with the depth. There is also a strong variation in the flow direction at different depths, which indicates a strong turbulent flow.

The survey confirmed that during the dry season waters of the Meghna Estuary are well-mixed due to strong turbulent flow. Nearly all measured profiles are constant over the depth. No evidence of stratification was found in the dry season.

Density fronts were observed in West Shahbazpur Channel and south of Nijhum Dwip, with visible difference in sediment concentrations across the front. Different salinity was measured in the top layer of water on both sides of the front. A current front was observed at the north-east of Sandwip Island, where two tidal waves (coming from the Sandwip Channel and from the Hatia Channel) meet. Also in this case different salinity was measured in the top layer across the front.

## FIGURES



Figure 1 : Positions of survey points of the salinity survey conducted at spring tide during 20-22 February 2000

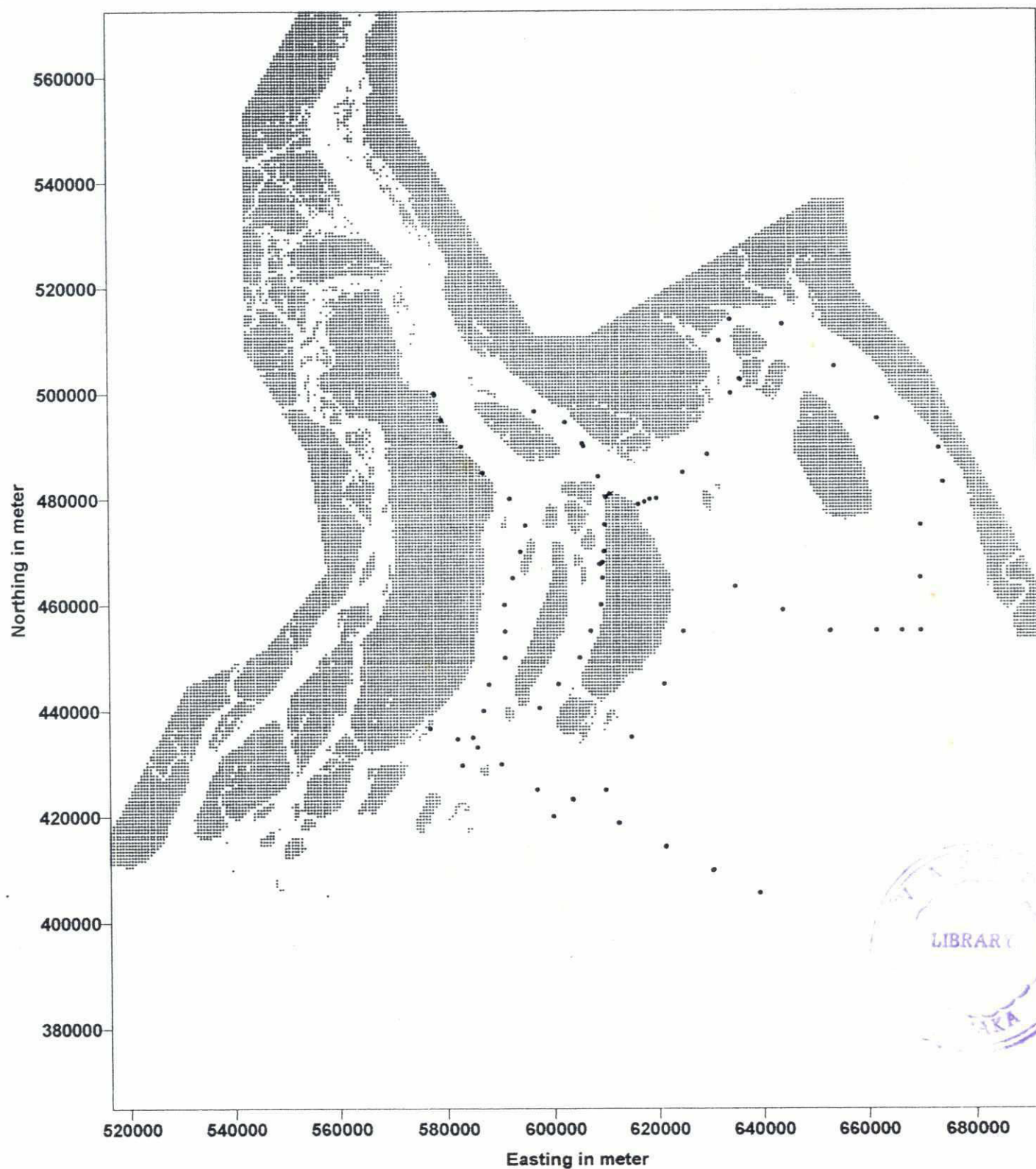
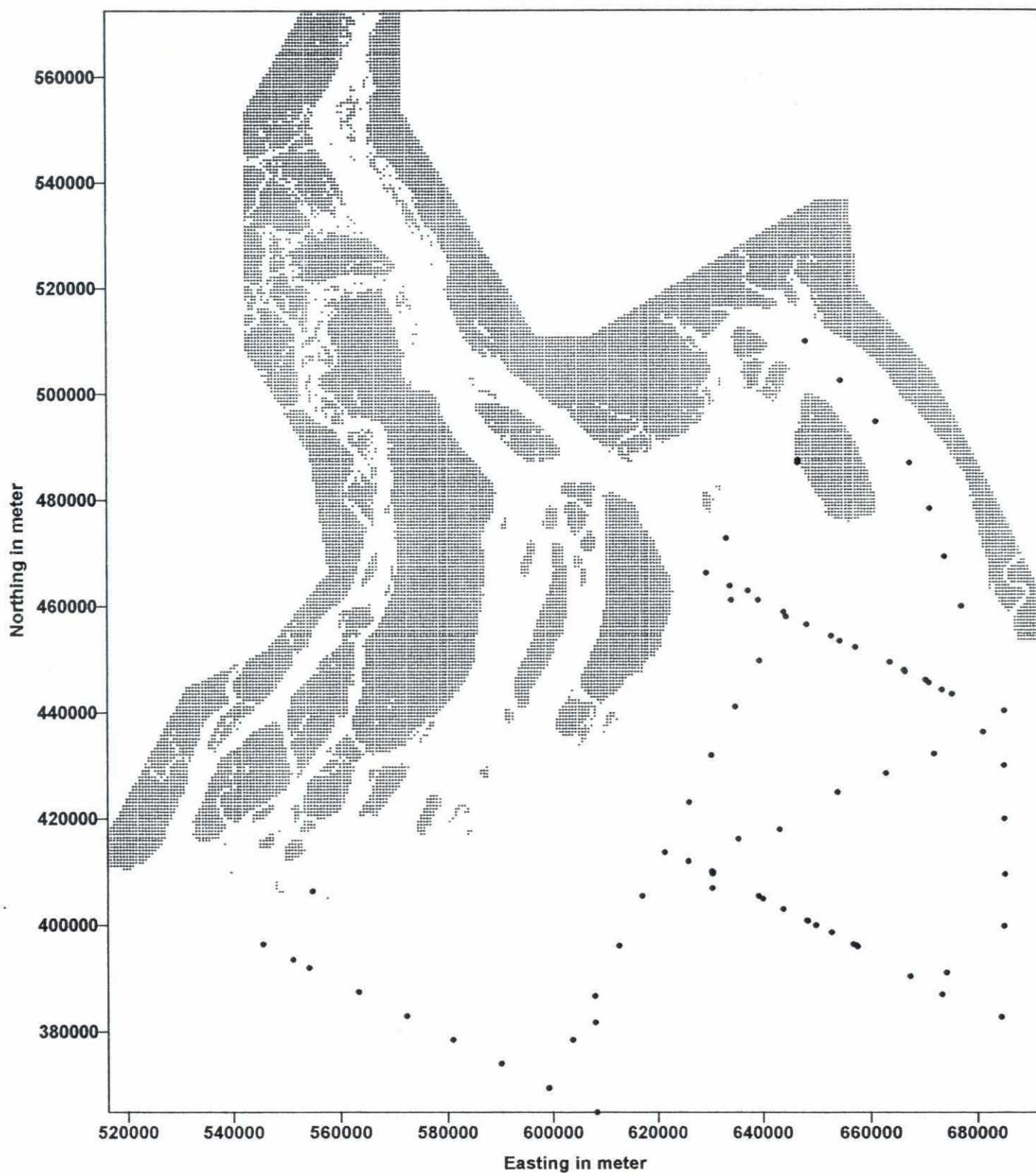


Figure 2 : Positions of measuring points of salinity survey during September-October 1999





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Figure 3 : Surface salinity during September-October 1999 in MES area

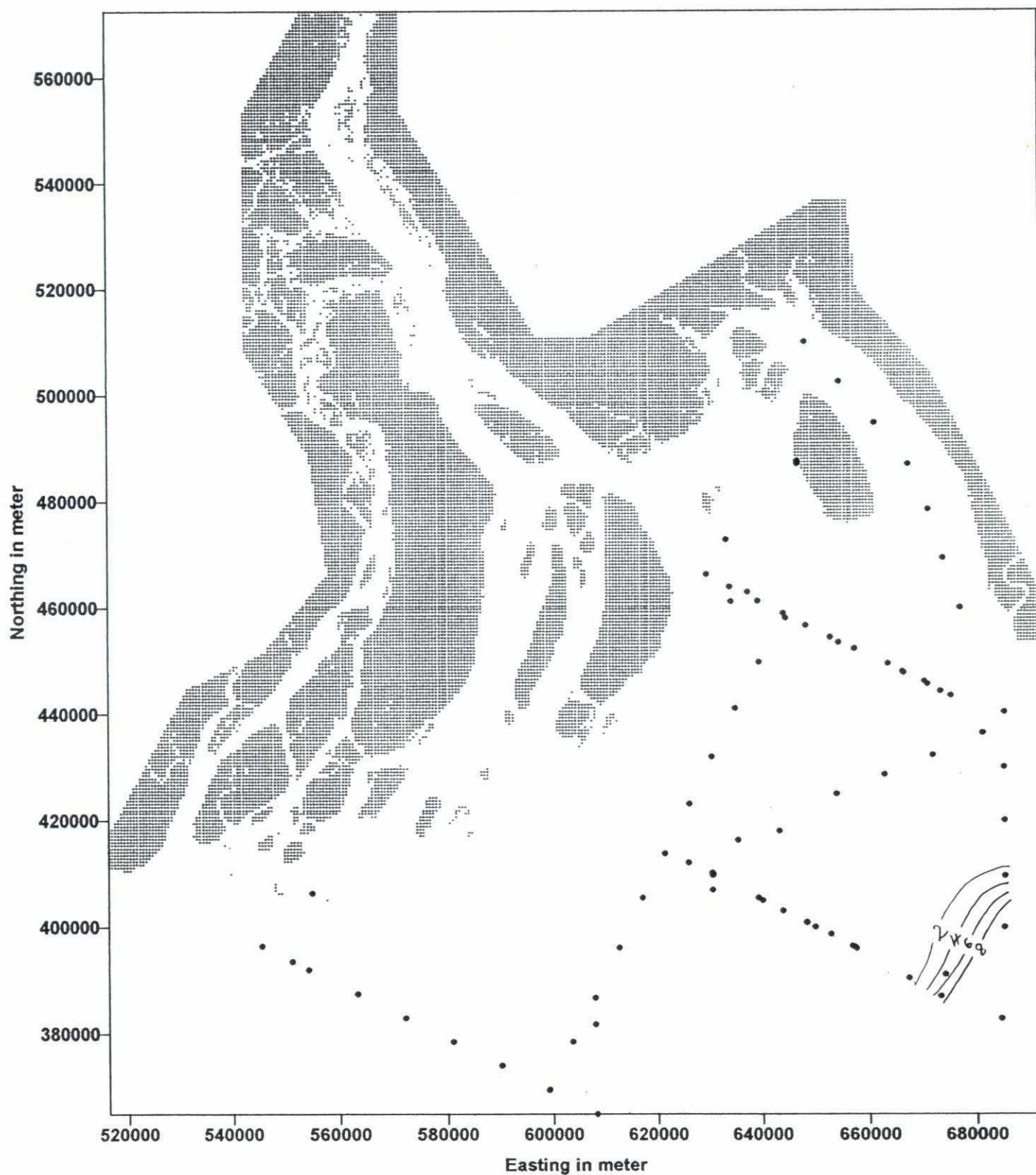




Figure 4 : Bottom salinity in ppt during September-October 1999 in MES area

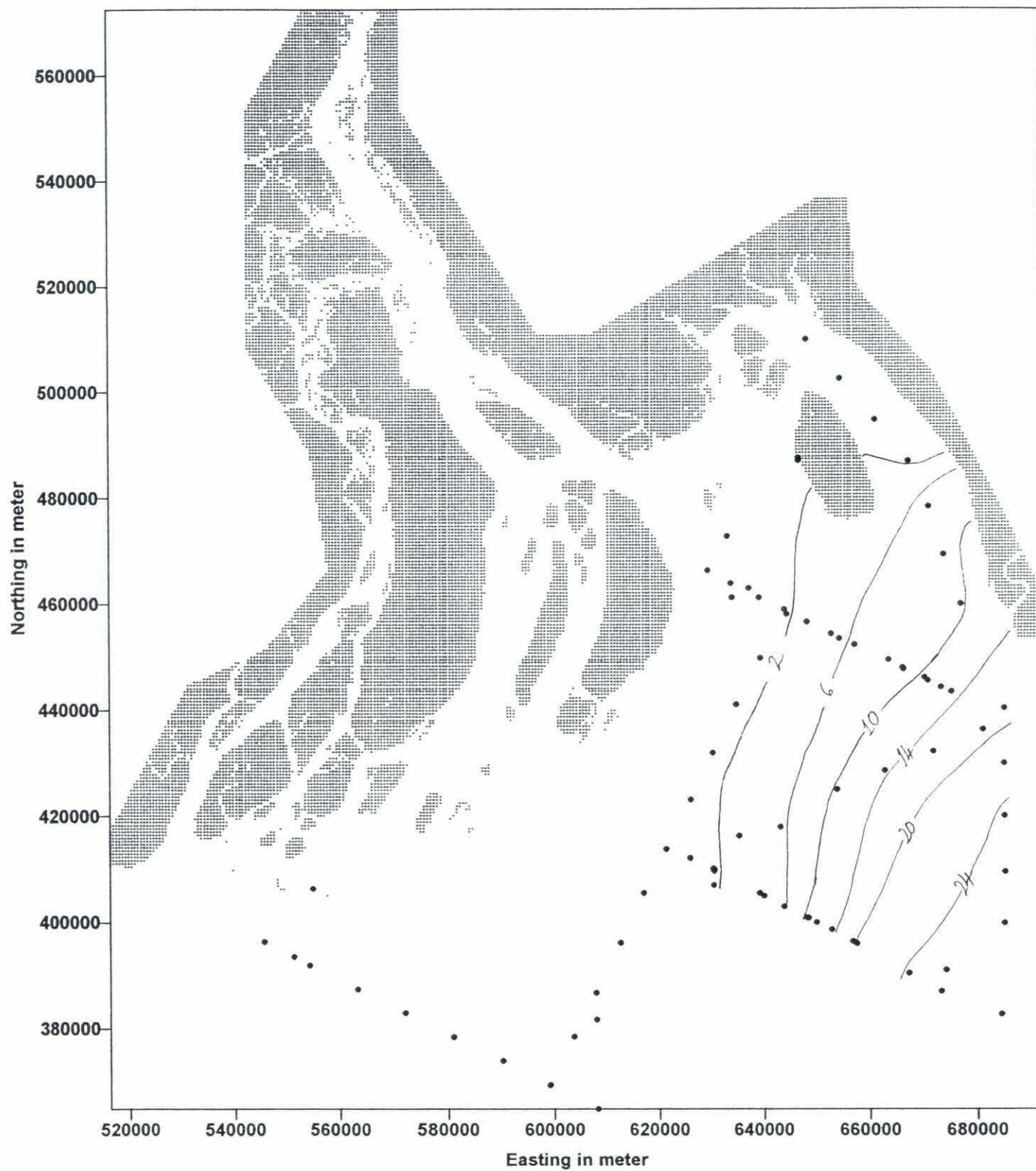


Figure 5 : Difference between surface and bottom salinity in ppt during September-October 1999 in MES area

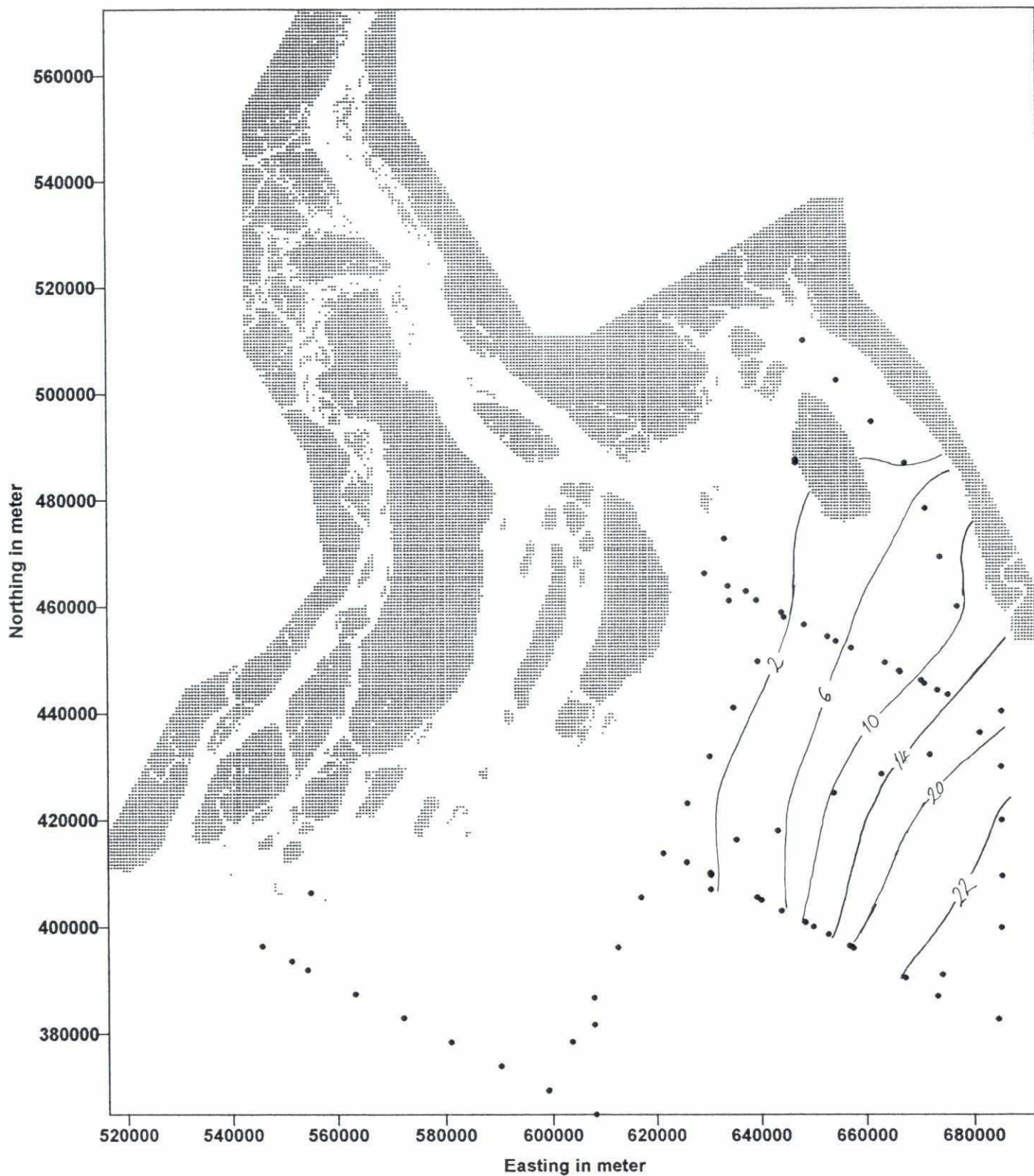


Figure 6 :Salinity at west and southwest of Kutubdia island in Bay of Bengal in monsoon

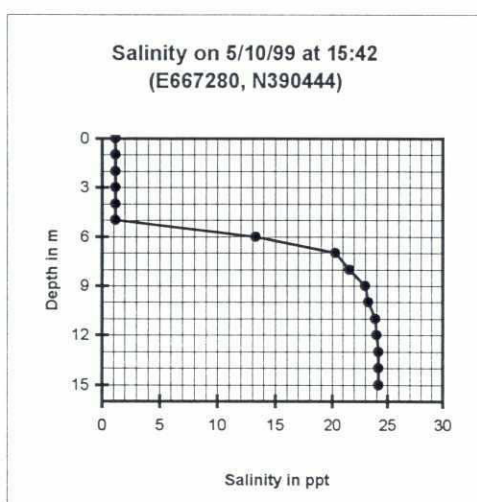
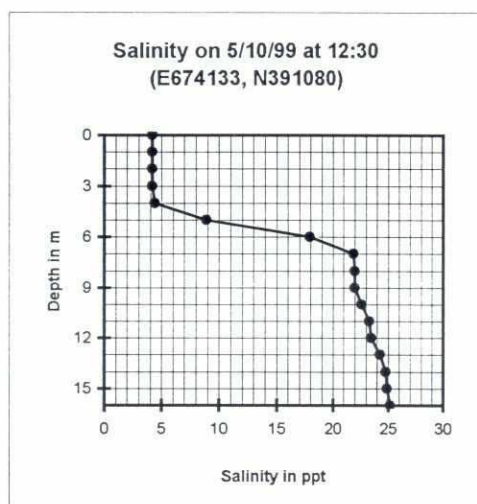
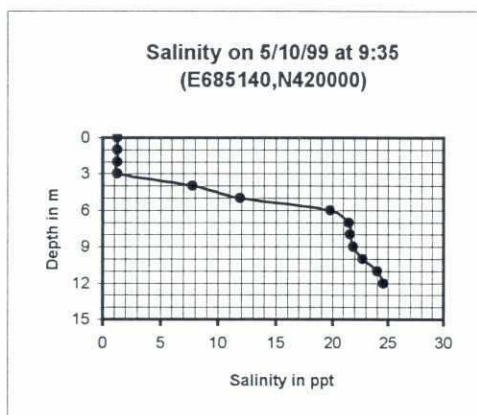
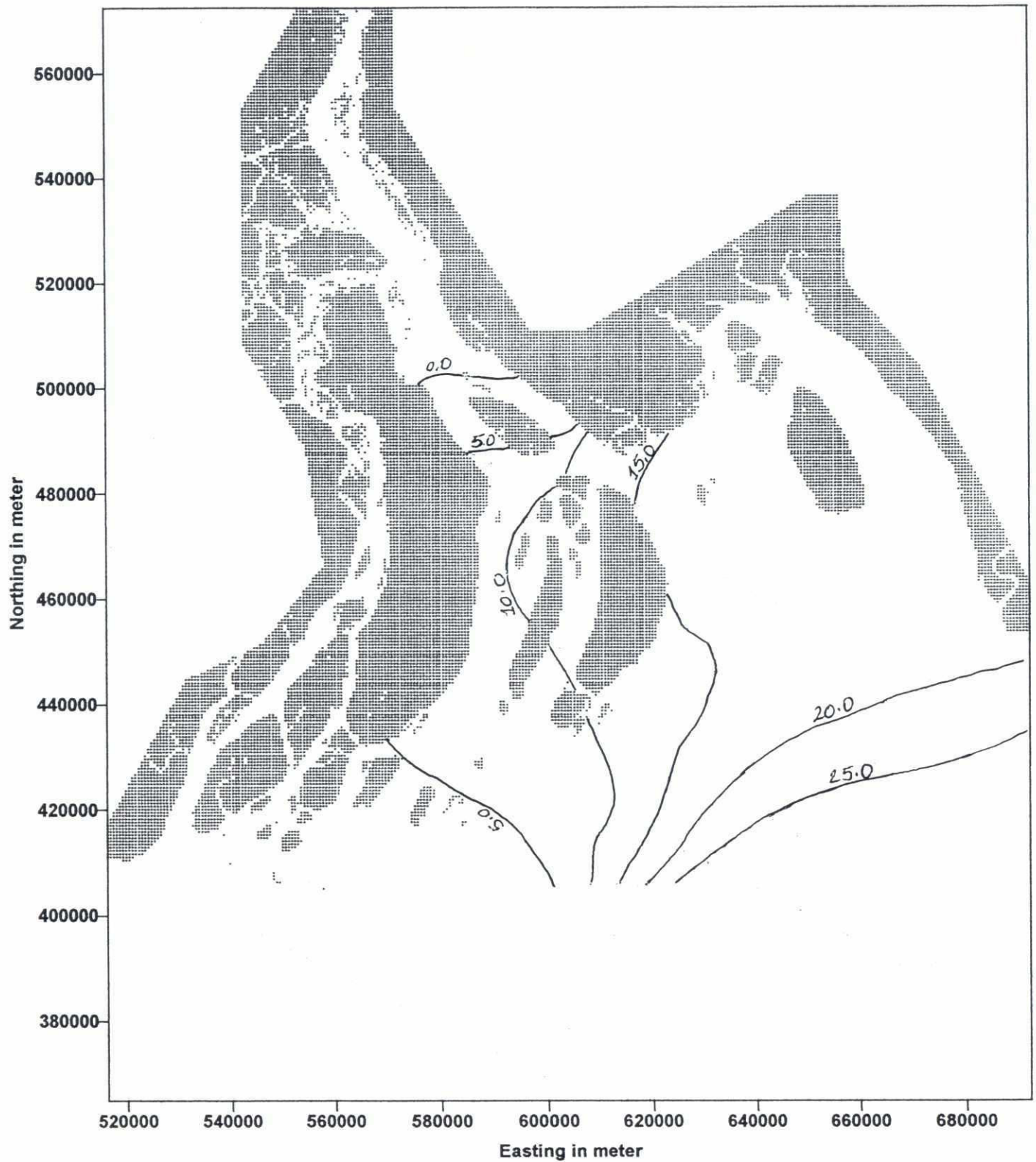




Figure 7 : Average salinity (ppt) in spring tide during 20-22 february 2000 in MES area



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Figure 8 : Position and average salinity at neap tide during February 27-March 9, 2000

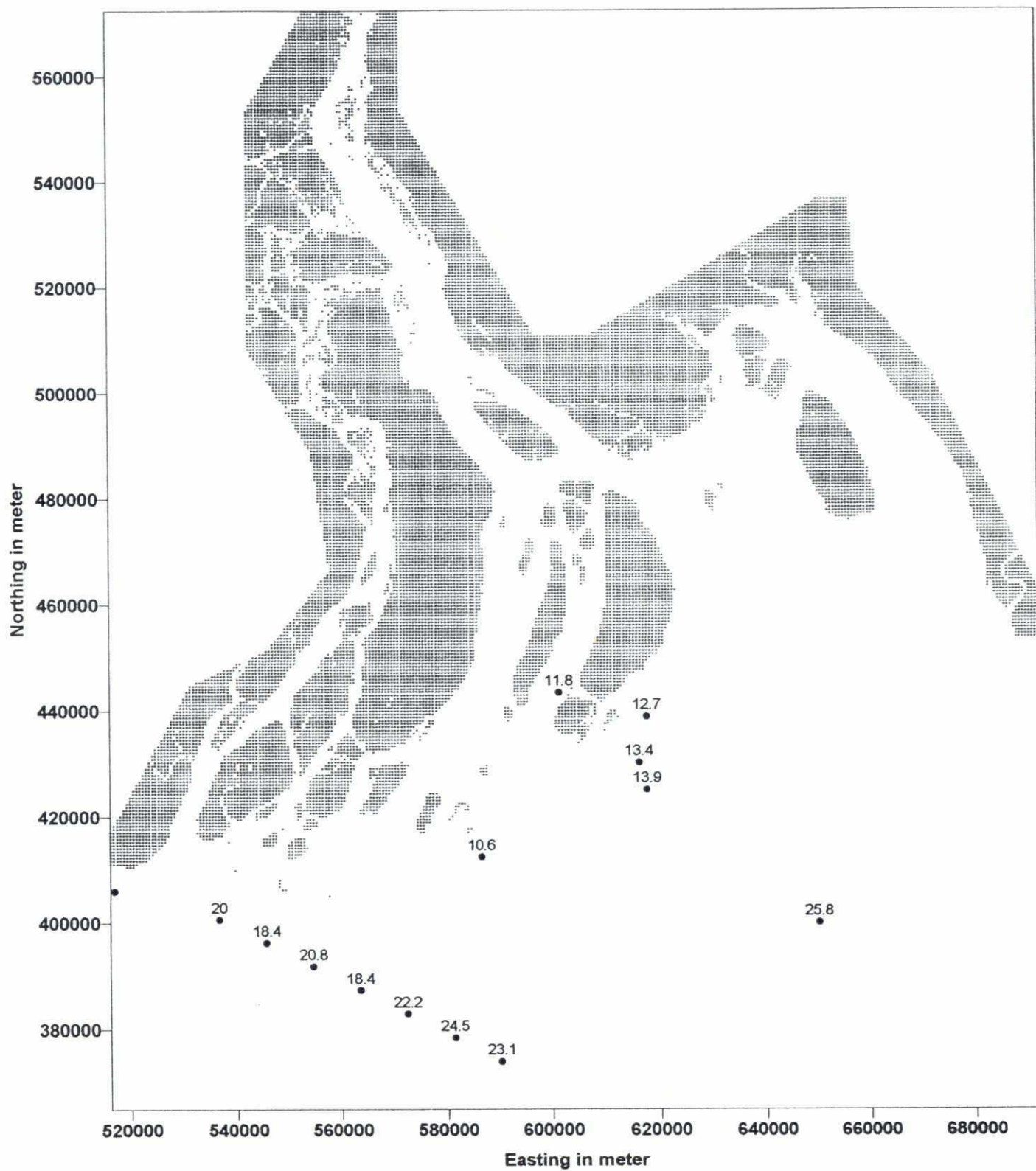
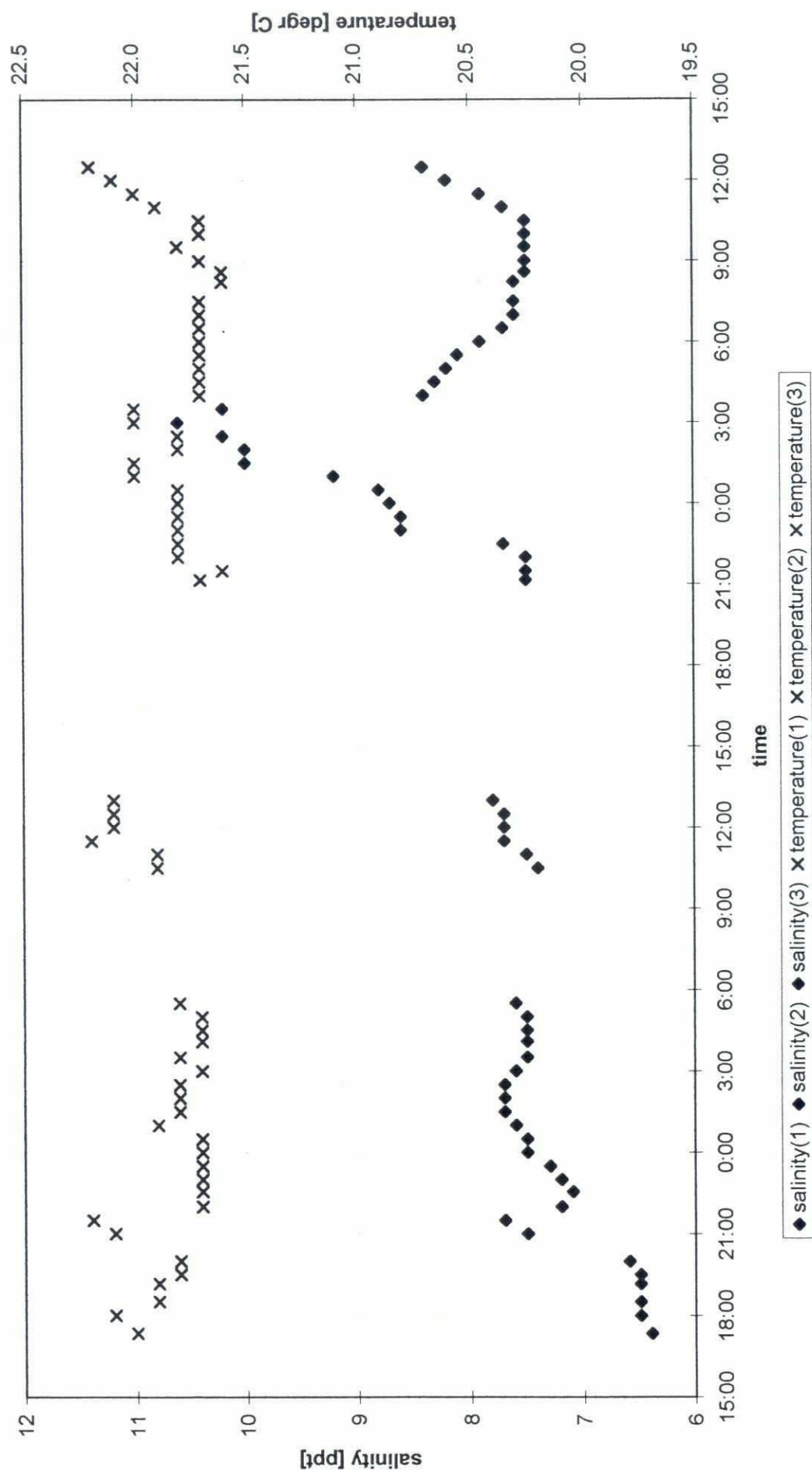


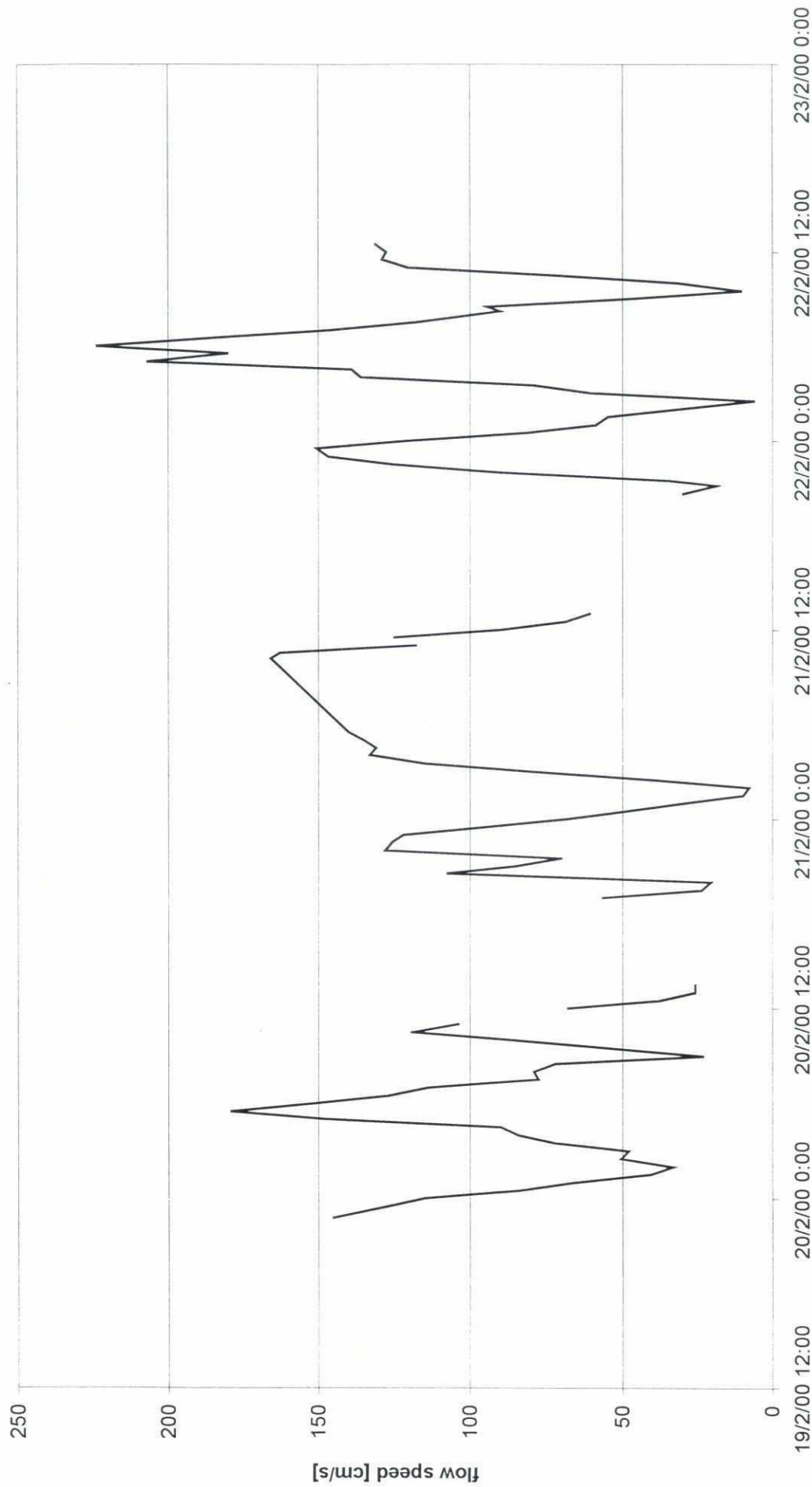
Figure 9 : Salinity and temperature measured East of Char Nizam & Puber Char



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Figure 10 : Average flow speed measured from Anwasha



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## TABLES



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Date	Start Time	End Time	Total Depth (m)	Easting	Northing	Point Depth (m)	Salinity	Temp.
28.09.99		7.45		630559	409689	0	0.0	28.8
				630559	409689	1	0.0	28.8
				630559	409689	2	0.0	28.8
				630559	409689	3	0.0	28.8
				630559	409689	4	0.0	28.8
				630559	409689	5	0.0	28.8
28.09.99	9.25	9.30		630559	409689	0	0.0	28.8
				630559	409689	1	0.0	28.8
				630559	409689	2	0.0	28.8
				630559	409689	3	0.0	28.8
				630559	409689	4	0.0	28.8
				630559	409689	5	0.0	28.8
28.09.99	15.05	15.15		630559	409689	6	0.0	28.8
				630559	409689	0	1.8	30.9
				630559	409689	1	1.8	30.1
				630559	409689	2	1.7	29.2
				630559	409689	3	1.7	28.9
				630559	409689	4	1.5	28.8
				630559	409689	5	1.2	28.7
				630559	409689	6	1.1	28.7
				630559	409689	7	0.9	28.7
				630559	409689	8	0.8	28.7
28.09.99	15.15	15.20		630559	409689	9		
				630559	409689	10	0.8	28.7
				630559	409689	0	1.8	32.9
				630559	409689	1	1.8	31.8
				630559	409689	2	1.7	29.1
				630559	409689	3	1.7	28.9
				630559	409689	4	1.6	28.8
				630559	409689	5	1.2	28.7
				630559	409689	6	1.1	28.8
				630559	409689	7	0.9	28.8
28.09.99	15.40	15.45		630559	409689	8		
				630559	409689	9		
				630559	409689	10	0.7	28.7
				630500	407000	0	1.2	30.1
				630500	407000	1	1.3	29.8
				630559	407000	2	1.8	29.3
				630559	407000	3	1.8	29.1
				630559	407000	4	1.8	29.0
				630559	407000	5	1.8	28.9
				630559	407000	6	1.4	28.7
28.09.99	16.10	16.15		630559	407000	7	1.1	28.7
				630559	407000	8	0.8	28.7
				630559	407000	9		
				630559	407000	10	0.3	28.7
				640000	405000	0	1.4	30.6
				640000	405000	1	1.4	30.4
				640000	405000	2	1.1	29.5
				640000	405000	3	0.8	29.1
				640000	405000	4	0.9	29.1
				640000	405000	5	1.2	28.9
28.09.99				640000	405000	6	1.2	28.7
				640000	405000	7	1.0	28.7
				640000	405000	8	0.8	28.7
				640000	405000	9	1.2	28.7
				640000	405000	10	1.4	28.7
				640000	405000			



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Date	Start Time	End Time	Total Depth (m)	Easting	Northing	Point Depth (m)	Salinity	Temp.
28.09.99	16.35	16.40		643900	403037	0	3.2	30.7
				643900	403037	1	3.0	30.6
				643900	403037	2	3.0	30.5
				643900	403037	3	3.2	29.3
				643900	403037	4	3.1	29.0
				643900	403037	5	3.1	28.5
				643900	403037	6	2.8	28.8
				643900	403037	7	2.8	28.7
				643900	403037	8	3.3	28.7
				643900	403037	9	5.7	28.5
28.09.99	17.02	17.15		648325	400865	10	5.5	28.5
				648325	400865	0	5.5	28.9
				648325	400865	1	5.4	29.3
				648325	400865	2	5.5	28.9
				648325	400865	3	5.5	28.8
				648325	400865	4	5.5	28.8
				648325	400865	5	5.4	28.7
				648325	400865	6	9.2	28.4
				648325	400865	7	9.8	28.4
				648325	400865	8	10.3	28.4
28.09.99	17.35	17.40		648325	400865	9	10.1	28.3
				648325	400865	10	10.0	28.3
				648325	400865	11	10.0	28.4
				652771	398669	0	5.9	30.0
				652771	398669	1	5.8	30.3
				652771	398669	2	6.6	28.7
				652771	398669	3	9.2	28.4
				652771	398669	4	10.3	28.4
				652771	398669	5	10.6	28.5
				652771	398669	6	12.2	28.4
28.09.99	18.02	18.08		652771	398669	7	12.2	28.4
				652771	398669	8	12.4	28.3
				652771	398669	9	12.7	28.3
				652771	398669	10	12.7	28.3
				657520	396025	0	13.3	29.3
				657520	396025	1	14.2	28.5
				657520	396025	2	14.4	28.4
				657520	396025	3	14.3	28.3
				657520	396025	4	14.6	28.3
				657520	396025	5	14.8	28.3
28.09.99	18.02	18.08		657520	396025	6	14.8	28.3
				657520	396025	7	14.8	28.3
				657520	396025	8	14.8	28.3
				657520	396025	9	14.8	28.3
				657520	396025	10	14.8	28.3
				649910	400015	0	2.0	29.3
				649910	400015	1	2.1	28.9
				649910	400015	2	2.1	28.9
				649910	400015	3	2.2	28.7
				649910	400015	4	2.2	28.7
29.09.99	14.35			649910	400015	5	2.2	28.7
				656837	396462	0	4.4	30.5
				656837	396462	1	6.1	29.5
				656837	396462	2	8.4	28.7
				656837	396462	3	10.2	29.1
				656837	396462	4	11.2	28.9
				656837	396462	5	13.0	28.6

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Date	Start Time	End Time	Total Depth (m)	Easting	Northing	Point Depth (m)	Salinity	Temp.
29.09.99	15.55			656837	396462	6	14.0	28.5
				656837	396462	7	15.0	28.5
				656837	396462	8	15.6	28.5
				656837	396462	9	15.6	28.5
				656837	396462	10	15.6	28.5
				656837	396462	11	16.0	28.5
				656837	396462	12	16.3	28.5
				656837	396462	13	17.6	28.4
				648418	400825	0	0.7	30.6
				648418	400825	1	0.7	30.4
				648418	400825	2	0.8	29.8
				648418	400825	3	1.1	29.1
				648418	400825	4	2.8	28.7
				648418	400825	5	3.2	28.7
				648418	400825	6	3.3	28.7
				648418	400825	7	3.3	28.7
				648418	400825	8	3.3	28.7
				648418	400825	9	3.4	28.7
				648418	400825	10	4.5	28.7
				648418	400825	11	7.4	28.5
29.09.99	18.50	18.52		648418	400825	12	7.5	28.0
				630500	409750	0	0.0	29.5
				630500	409750	1	0.0	29.3
				630500	409750	2	0.0	29.3
				630500	409750	3	0.0	29.3
				630500	409750	4	0.4	29.2
				630500	409750	5	0.5	29.2
				630500	409750	6	0.5	29.2
30.09.99	0.38			630614	409929	0	0.0	29.1
				630614	409929	1	0.0	29.1
				630614	409929	2	0.0	29.1
				630614	409929	3	0.0	29.1
				630614	409929	4	0.0	29.1
30.09.99	2.45		8.0	630557	409964	0	4.5	28.8
				630557	409964	1	4.6	29.0
				630557	409964	2	4.6	29.1
				630557	409964	3	4.2	29.1
				630557	409964	4	3.0	29.1
				630557	409964	5	3.0	29.1
				630557	409964	6	3.0	29.1
30.09.99	4.05		8.5	630562	409911	0	4.8	28.6
				630562	409911	1	4.8	28.6
				630562	409911	2	4.4	29.1
				630562	409911	3	3.8	29.1
				630562	409911	4	3.8	29.1
				630562	409911	5	3.8	29.1
				630562	409911	6	4.0	29.1
				630562	409911	7	4.0	29.1
				630562	409911	8	4.0	29.1
30.09.99	7.30	7.35		643230	418000	0	0.0	29.2
				643230	418000	1	0.0	29.2
				643230	418000	2	0.0	29.2
				643230	418000	3	0.0	29.2
				643230	418000	4	0.0	29.2
				643230	418000	5	0.0	29.2
				643230	418000	6	0.0	29.2
				643230	418000	7	0.1	29.2

Date	Start Time	End Time	Total Depth (m)	Easting	Northing	Point Depth (m)	Salinity	Temp.
30.09.99	10.00			643230	418000	8	0.1	29.2
				643230	418000	9	0.1	29.2
				679710	411146	0	1.3	29.1
				679710	411146	1	1.3	28.1
				679710	411146	2	1.4	28.9
				679710	411146	3	1.4	28.9
				679710	411146	4	1.3	28.9
				679710	411146	5	1.3	28.9
				679710	411146	6	1.2	28.9
				679710	411146	7	1.2	28.9
				679710	411146	8	1.1	28.9
				679710	411146	9	1.1	28.8
30.09.99	11.25			670892	445570	0	0.0	29.1
				670892	445570	1	0.0	29.1
				670892	445570	2	0.0	29.1
				670892	445570	3	0.0	29.1
				670892	445570	4	0.0	29.1
				670892	445570	5	0.0	29.1
				670892	445570	6	0.0	29.1
				670892	445570	7	0.0	29.1
				670892	445570	8	0.0	29.1
				670892	445570	8	0.0	29.1
30.09.99	13.10		10.5	675265	443470	0	1.1	31.6
				675265	443470	1	1.1	29.6
				675265	443470	2	1.1	29.5
				675265	443470	3	1.1	29.3
				675265	443470	4	1.0	29.3
				675265	443470	5	0.9	29.0
				675265	443470	6	0.8	29.0
				675265	443470	7	0.8	29.0
				675265	443470	8	0.7	29.0
				675265	443470	9	0.7	29.0
30.09.99	13.45		10.0	675265	443470	10	0.7	28.9
				670319	446137	0	0.1	31.4
				670319	446137	1	0.1	30.5
				670319	446137	2	0.1	30.3
				670319	446137	3	0.1	30.0
				670319	446137	4	0.1	29.5
				670319	446137	5	0.1	29.2
				670319	446137	6	0.1	29.1
				670319	446137	7	0.1	29.0
				670319	446137	8	0.1	29.0
30.09.99	14.45		10.5	670319	446137	9	0.1	29.0
				670319	446137	10	0.1	29.0
30.09.99	15.10	15.15		666319	447720	0	1.7	29.9
				666319	447720	1	1.8	29.9
30.09.99	15.10	15.15		666222	447960	0	1.8	29.4
				666222	447960	1	1.4	29.3
				666222	447960	2		
				666222	447960	3	1.6	29.2
				666222	447960	4	1.4	29.2
				666222	447960	5	1.4	29.2
				666222	447960	6	1.0	29.2
				666222	447960	7	0.8	29.2
				666222	447960	8	0.5	29.2
				666222	447960	9	0.3	29.3
30.09.99	16.12	16.15		666222	447960	10	0.2	29.2
				657234	452262	0	2.8	30.0



Date	Start Time	End Time	Total Depth (m)	Easting	Northing	Point Depth (m)	Salinity	Temp.
30.09.99	17.02		12.0	657234	452262	1	2.9	29.5
				657234	452262	2	2.1	29.1
				657234	452262	3	1.6	29.1
				657234	452262	4	1.7	29.1
				657234	452262	5	1.7	29.1
				657234	452262	6	1.7	29.1
				657234	452262	7	1.7	29.1
				657234	452262	8	1.7	29.1
				657234	452262	9	1.6	29.1
				652752	454405	0	0.6	29.6
				652752	454405	1	0.5	29.6
				652752	454405	2	0.7	29.5
				652752	454405	3	1.2	29.4
				652752	454405	4	1.8	29.2
				652752	454405	5	2.0	29.2
				652752	454405	6	1.9	29.1
				652752	454405	7	1.9	29.1
				652752	454405	8	1.7	29.1
				652752	454405	9	1.7	29.1
				652752	454405	10	1.6	29.1
30.09.99	17.34		4.5	652752	454405	11	1.6	29.1
				648254	456614	0	0.0	29.6
				648254	456614	1	0.0	29.6
				648254	456614	2	0.0	29.5
				648254	456614	3	0.0	29.5
01.10.99	5.25		5.4	648254	456614	4	0.0	29.5
				639188	461199	0	0.0	29.0
				639188	461199	1	0.0	29.1
				639188	461199	2	0.0	29.1
				639188	461199	3	0.0	29.2
01.10.99	6.15		5.0	639188	461199	4	0.0	29.2
				639188	461199	5	0.0	29.2
				629429	466281	0	0.0	28.7
				629429	466281	1	0.0	28.7
				629429	466281	2	0.0	28.7
01.10.99	16.20		7.0	629429	466281	3	0.0	28.7
				629429	466281	4	0.0	28.7
				629429	466281	5	0.0	28.9
				633900	463851	0	0.0	29.8
				633900	463851	1	0.0	29.7
01.01.99	17.15		4.5	633900	463851	2	0.0	29.6
				633900	463851	3	0.0	29.3
				633900	463851	4	0.0	29.3
				633900	463851	5	0.0	29.3
				633900	463851	6	0.0	29.3
01.10.99	17.55		5.5	633900	463851	7	0.0	29.3
				644080	458935	0	0.0	29.5
				644080	458935	1	0.0	29.6
				644080	458935	2	0.0	29.6
				644080	458935	3	0.0	29.6
01.10.99	17.55		5.5	644080	458935	4	0.0	29.5
				644080	458935	5	0.0	29.5
				639467	449744	0	0.0	29.6
				639467	449744	1	0.0	29.6
				639467	449744	2	0.0	29.6
01.10.99	17.55		5.5	639467	449744	3	0.0	29.6
				639467	449744	4	0.0	29.6

Date	Start Time	End Time	Total Depth (m)	Easting	Northing	Point Depth (m)	Salinity	Temp.
01.10.99	18.30		8.0	639467	449744	5	0.0	29.6
				639467	449744	6	0.0	29.6
				634828	441052	0	0.0	29.8
				634828	441052	1	0.0	29.9
				634828	441052	2	0.0	29.9
				634828	441052	3	0.0	29.9
				634828	441052	4	0.0	29.9
				634828	441052	5	0.0	29.9
				634828	441052	6	0.0	29.9
				634828	441052	7	0.0	29.9
01.10.99	19.00		7.0	634828	441052	8	0.0	29.8
				634828	441052	9	0.0	29.8
				630370	431940	0	0.0	29.3
				630370	431940	1	0.0	29.5
				630370	431940	2	0.0	29.5
				630370	431940	3	0.0	29.5
				630370	431940	4	0.0	29.5
				630370	431940	5	0.0	29.5
				630370	431940	6	0.0	29.6
				630370	431940	7	0.0	29.5
01.10.99	19.30		6.0	626046	423100	0	0.0	29.3
				626046	423100	1	0.0	29.3
				626046	423100	2	0.0	29.3
				626046	423100	3	0.0	29.3
				626046	423100	4	0.0	29.3
				626046	423100	5	0.0	29.3
				626046	423100	6	0.0	29.4
				621352	413750	0	0.0	29.3
				621352	413750	1	0.0	29.3
				621352	413750	2	0.0	29.3
01.10.99	20.03		6.0	621352	413750	3	0.0	29.3
				621352	413750	4	0.0	29.3
				621352	413750	5	0.0	29.3
				621352	413750	6	0.0	29.4
				617035	405509	0	0.0	29.3
				617035	405509	1	0.0	29.3
				617035	405509	2	0.0	29.3
				617035	405509	3	0.0	29.3
				617035	405509	4	0.0	29.3
				617035	405509	5	0.0	29.3
01.10.99	20.30		6.0	617035	405509	6	0.0	29.4
				612565	396142	0	0.0	29.2
				612565	396142	1	0.0	29.3
				612565	396142	2	0.0	29.3
				612565	396142	3	0.0	29.3
				612565	396142	4	0.0	29.3
				612565	396142	5	0.0	29.3
				612565	396142	6	0.0	29.3
				612565	396142	7	0.0	29.3
				612565	396142	8	0.9	29.3
01.10.99	21.00		7.5	607962	386761	0	0.0	28.6
				607962	386761	1	0.0	28.6
				607962	386761	2	0.0	29.3
				607962	386761	3	0.0	29.3
				607962	386761	4	0.1	29.3
				607962	386761	5	0.1	29.3
				607962	386761	6	0.1	29.3
01.10.99	21.26		7.0					

Date	Start Time	End Time	Total Depth (m)	Easting	Northing	Point Depth (m)	Salinity	Temp.				
02.10.99	5.38		8.0	607962	386761	7	0.1	29.3				
				608031	381743	0	0.3	29.2				
				608031	381743	1	0.3	29.1				
				608031	381743	2	0.3	29.2				
				608031	381743	3	0.3	29.1				
				608031	381743	4	0.5	29.1				
				608031	381743	5	0.6	29.3				
				608031	381743	6	1.7	29.3				
				608031	381743	7	5.6	29.3				
				608031	381743	8	5.7	29.2				
02.10.99	6.28		8.0	603701	378510	0	1.7	29.6				
				603701	378510	1	2.0	29.8				
				603701	378510	2	4.0	29.5				
				603701	378510	3	6.4	29.2				
				603701	378510	4	7.5	29.1				
				603701	378510	5	8.4	29.1				
				603701	378510	6	8.5	29.1				
02.10.99	7.15		8.2	599190	369500	0	2.4	29.2				
				599190	369500	1	2.5	29.2				
				599190	369500	2	2.5	29.3				
				599190	369500	3	3.0	29.7				
				599190	369500	4	5.3	29.8				
				599190	369500	5	9.7	29.4				
				599190	369500	6	9.7	29.3				
				599190	369500	7	9.7	29.2				
				599190	369500	8	10.0	29.1				
				599190	369500	9	10.5	29.1				
				599190	369500	10	10.5	29.2				
				02.10.99	7.56		8.5	608242	364960	0	7.4	30.0
								608242	364960	1	7.5	30.0
								608242	364960	2	8.0	29.9
								608242	364960	3	8.6	29.8
								608242	364960	4	9.9	29.5
								608242	364960	5	10.2	29.4
								608242	364960	6	10.6	29.3
608242	364960	7	10.7					29.3				
608242	364960	8	10.8					29.3				
608242	364960	9	10.0					29.3				
02.10.99	8.45		8.0	599104	369462	0	1.8	30.1				
				599104	369462	1	1.8	30.1				
				599104	369462	2	2.0	30.0				
				599104	369462	3	2.3	30.0				
				599104	369462	4	3.0	29.8				
				599104	369462	5	3.0	29.7				
				599104	369462	6						
				599104	369462	7	8.0	29.7				
				599104	369462	8						
				599104	369462	9	9.3	29.2				
02.10.99	9.32		5.5	590124	374028	0	1.5	29.6				
				590124	374028	1	1.5	29.6				
				590124	374028	2	1.5	29.6				
				590124	374028	3	1.5	29.6				
				590124	374028	4	1.6	29.6				
				590124	374028	5	1.6	29.5				
				590124	374028	6	1.8	29.9				
02.10.99	10.20		6.0	580937	378469	0	1.0	29.5				
				580937	378469	1	1.1	29.5				



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Date	Start Time	End Time	Total Depth (m)	Easting	Northing	Point Depth (m)	Salinity	Temp.
02.10.99	11.03		5.5	580937	378469	2	1.1	29.4
				580937	378469	3	1.1	29.4
				580937	378469	4	1.2	29.4
				580937	378469	5	1.3	29.4
				580937	378469	6	1.3	29.4
				580937	378469	7	1.2	29.3
				580937	378469	7.5	1.2	29.3
				572186	382978	0	0.8	30.8
				572186	382978	1	1.1	30.0
				572186	382978	2	1.0	30.2
02.10.99	11.42		7.2	572186	382978	3	0.9	29.5
				572186	382978	4	1.5	29.3
				572186	382978	5	1.5	29.3
				572186	382978	6	1.4	29.2
				572186	382978	6.5	1.5	29.2
				563225	387475	0	0.1	30.7
				563225	387475	1	0.0	29.2
				563225	387475	2	0.0	29.4
				563225	387475	3	0.0	29.3
				563225	387475	4	0.0	29.1
02.10.99	14.15		3.0	563225	387475	5	0.0	29.1
				563225	387475	6	0.0	29.1
				563225	387475	7	0.0	29.1
				563225	387475	8	0.0	29.1
				563225	387475	8.5	0.0	29.1
				554208	391977	0	0.5	30.2
				554208	391977	1	0.4	30.4
				554208	391977	2	0.5	29.7
				554208	391977	3	0.5	29.6
				554208	391977	4	0.5	29.3
02.10.99	14.38		8.0	554208	391977	5	0.5	29.4
				551135	393555	0	0.3	29.9
				551135	393555	1	0.2	29.8
				551135	393555	2	0.3	30.0
				551135	393555	3	0.2	29.5
				551135	393555	4	0.1	29.4
				551135	393555	5	0.1	29.4
				551135	393555	6	0.1	29.4
				551135	393555	7	0.1	29.4
				551135	393555	8	0.5	29.4
02.10.99	15.00		6.0	551135	393555	9	1.3	29.3
				551135	393555	10	1.4	29.3
				545528	396426	0	0.1	30.9
				545528	396426	1	0.1	30.7
				545528	396426	2	0.1	30.0
				545528	396426	3	0.1	29.6
				545528	396426	4	0.0	29.4
				545528	396426	5	0.0	29.3
				545528	396426	6	0.0	29.3
				545528	396426	7	0.0	29.3
02.10.99	16.17		10.0	545528	396426	8	0.0	29.3
				554855	406408	0	0.0	30.3
				554855	406408	1	0.0	30.3
				554855	406408	2	0.0	30.1
				554855	406408	3	0.0	29.9
				554855	406408	4	0.0	29.6
				554855	406408	5	0.0	29.5

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Table 1

Date	Start Time	End Time	Total Depth (m)	Easting	Northing	Point Depth (m)	Salinity	Temp.
03.10.99	19.15		9.5	554855	406408	6	0.0	29.3
				554855	406408	7	0.0	29.3
				554855	406408	8	0.0	29.2
				554855	406408	9	0.0	29.1
				554855	406408	10	0.0	29.1
				554855	406408	11	0.0	29.1
				646673	487052	0	0.1	29.7
				646673	487052	1	0.1	29.7
				646673	487052	2	0.1	29.7
				646673	487052	3	0.0	29.7
				646673	487052	4	0.1	29.8
				646673	487052	5	0.1	29.8
				646673	487052	6	0.1	29.8
				646673	487052	7	0.1	29.8
03.10.99	20.45		9.9	646673	487052	8	0.1	29.8
				646673	487052	9	0.1	29.8
				646673	487052	10	0.1	29.8
				646706	487579	0	0.0	29.7
				646706	487579	1	0.0	29.7
				646706	487579	2	0.0	29.7
				646706	487579	3	0.0	29.8
				646706	487579	4	0.0	29.8
				646706	487579	5	0.0	29.8
				646706	487579	6	0.1	29.8
				646706	487579	7	0.1	29.9
				646706	487579	8	0.1	29.9
				646706	487579	9	0.1	29.9
				646706	487579	10	0.1	29.9
03.10.99	22.50		9.0	646706	487579	11	0.1	29.9
				646681	487555	0	0.2	29.8
				646681	487555	1	0.2	29.9
				646681	487555	2	0.2	29.9
				646681	487555	3	0.2	29.9
				646681	487555	4	0.3	29.9
				646681	487555	5	0.3	30.0
				646681	487555	6	0.2	30.0
				646681	487555	7	0.1	30.0
				646681	487555	8	0.1	30.0
				646681	487555	9	0.1	30.0
				646681	487555	10	0.1	30.0
04.10.99	0.46		7.4	646690	487555	0	0.4	29.6
				646690	487555	1	0.4	29.8
				646690	487555	2	0.4	29.9
				646690	487555	3	0.4	29.9
				646690	487555	4	0.4	29.9
				646690	487555	5	0.4	29.9
				646690	487555	6	0.5	30.0
				646690	487555	7	0.5	29.8
				646690	487555	8	0.5	29.8
04.10.99	2.50		6.5	646704	487550	0	0.4	28.1
				646704	487550	1	0.4	29.5
				646704	487550	2	0.4	29.6
				646704	487550	3	0.4	29.7
				646704	487550	4	0.4	29.8
				646704	487550	5	0.4	29.8
				646704	487550	6	0.3	29.7
				646704	487550	7	0.4	29.7

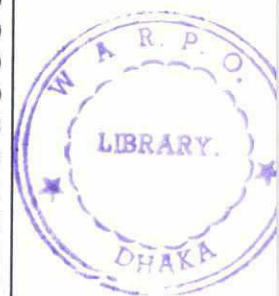




Table 1

Date	Start Time	End Time	Total Depth (m)	Easting	Northing	Point Depth (m)	Salinity	Temp.
04.10.99	5.00		6.6	646704	487550	8	0.5	29.7
				646712	487543	0	0.1	29.4
				646712	487543	1	0.1	29.4
				646712	487543	2	0.1	29.4
				646712	487543	3	0.1	29.4
				646712	487543	4	0.1	29.4
				646712	487543	5	0.2	29.4
				646712	487543	6	0.2	29.4
				646712	487543	7	0.3	29.4
				646712	487543	8	0.3	29.4
04.10.99	10.35		8.6	648170	509959	0	0.6	31.7
				648170	509959	1	0.6	31.5
				648170	509959	2	0.6	31.2
				648170	509959	3	0.7	30.0
				648170	509959	4	0.7	29.5
				648170	509959	5	0.7	29.5
				648170	509959	6	0.6	29.5
				648170	509959	7	0.6	29.5
				648170	509959	8	0.6	29.5
				648170	509959	9	0.6	29.6
04.10.99	11.15		10.0	648170	509959	10	0.6	29.6
				654589	502500	0	0.5	29.5
				654589	502500	1	0.5	29.5
				654589	502500	2	0.5	29.5
				654589	502500	3	0.5	29.4
				654589	502500	4	0.5	29.4
				654589	502500	5	0.5	29.4
				654589	502500	6	0.5	29.5
				654589	502500	7	0.5	29.5
				654589	502500	8	0.5	29.5
04.10.99	12.35		10.0	654589	502500	9	0.5	29.5
				654589	502500	10	0.5	29.5
				654589	502500	11	0.5	29.5
				654589	502500	12	0.5	29.5
				661076	494750	0	0.3	29.9
				661076	494750	1	0.3	29.5
				661076	494750	2	0.3	29.6
				661076	494750	3	0.3	29.4
				661076	494750	4	0.4	29.4
				661076	494750	5	0.5	29.4
04.10.99	13.10		10.0	661076	494750	6	0.7	29.5
				661076	494750	7	0.7	29.5
				661076	494750	8	0.6	29.5
				661076	494750	9	0.6	29.5
				661076	494750	10	0.5	29.5
				661076	494750	11	0.5	29.5
				667289	486937	0	0.7	33.1
				667289	486937	1	0.7	32.9
				667289	486937	2	0.6	32.8
				667289	486937	3	0.7	31.2
				667289	486937	4	0.7	29.4
				667289	486937	5	0.8	29.1
				667289	486937	6	0.8	29.1
				667289	486937	7	0.8	29.1
				667289	486937	8	0.9	29.1
				667289	486937	9	0.9	29.1
				667289	486937	10	0.8	29.1



Table 1

Date	Start Time	End Time	Total Depth (m)	Easting	Northing	Point Depth (m)	Salinity	Temp.
04.10.99	13.45		9.5	671111	478400	0	0.2	31.3
				671111	478400	1	0.2	31.3
				671111	478400	2	0.3	30.5
				671111	478400	3	0.3	30.0
				671111	478400	4	0.5	29.5
				671111	478400	5	0.7	29.4
				671111	478400	6	0.8	29.1
				671111	478400	7	1.1	29.2
				671111	478400	8	3.3	29.2
				671111	478400	9	5.1	29.1
				671111	478400	10	6.0	29.1
04.10.99	14.50		10.0	671111	478400	11	8.1	29.0
				673800	469300	0	0.7	31.1
				673800	469300	1	0.7	31.1
				673800	469300	2	0.7	31.1
				673800	469300	3	0.7	31.1
				673800	469300	4	0.7	30.9
				673800	469300	5	0.8	29.3
				673800	469300	6	0.9	29.2
				673800	469300	7	1.0	29.2
				673800	469300	8	1.6	29.2
				673800	469300	9	3.0	29.2
04.10.99	15.30		10.0	673800	469300	10	3.4	29.2
				677000	460000	0	0.5	30.4
				677000	460000	1	0.5	30.4
				677000	460000	2	0.5	30.4
				677000	460000	3	0.5	30.4
				677000	460000	4	0.5	30.4
				677000	460000	5	0.5	30.0
				677000	460000	6	0.8	29.5
				677000	460000	7	1.2	29.5
				677000	460000	8	2.8	29.4
				677000	460000	9	3.7	29.3
05.10.99	6.48		11.0	677000	460000	10	9.7	29.0
				677000	460000	11	9.8	29.0
				685012	499900	0	1.1	29.1
				685012	499900	1	1.1	29.2
				685012	499900	2	1.1	29.2
				685012	499900	3	3.6	29.5
				685012	499900	4	4.4	29.5
				685012	499900	5	6.6	29.5
				685012	499900	6	9.3	29.1
				685012	499900	7	10.2	29.1
				685012	499900	8	11.5	29.1
05.10.99	7.45		12.0	685012	499900	9	12.4	29.0
				685012	499900	10	13.5	28.9
				685012	499900	11	13.7	28.9
				685082	440357	0	1.2	29.1
				685082	440357	1	1.2	29.1
				685082	440357	2	1.2	29.1
				685082	440357	3	1.2	29.1
				685082	440357	4	2.7	29.1
				685082	440357	5	10.6	29.0
				685082	440357	6	11.5	28.9
				685082	440357	7	11.6	28.9
				685082	440357	8	12.6	28.8
				685082	440357	9	16.8	28.7

Date	Start Time	End Time	Total Depth (m)	Easting	Northing	Point Depth (m)	Salinity	Temp.
05.10.99	8.42		13.0	685082	440357	10	17.0	28.7
				685082	440357	11	17.0	28.7
				685082	440357	12	17.0	28.7
				685000	430000	0	1.5	29.0
				685000	430000	1	1.5	29.0
				685000	430000	2	1.5	28.9
				685000	430000	3	1.6	28.9
				685000	430000	4	2.0	28.9
				685000	430000	5	2.0	28.9
				685000	430000	6	6.0	29.1
				685000	430000	7	15.0	29.1
				685000	430000	8	16.0	28.7
				685000	430000	9	18.8	28.7
				685000	430000	10	19.1	28.6
				685000	430000	11	19.9	29.6
05.10.99	9.35		13.0	685000	430000	12	20.0	28.6
				685140	420000	0	1.3	29.2
				685140	420000	1	1.3	29.1
				685140	420000	2	1.3	29.1
				685140	420000	3	1.3	29.1
				685140	420000	4	7.8	29.0
				685140	420000	5	11.9	29.2
				685140	420000	6	19.8	29.1
				685140	420000	7	21.5	28.7
				685140	420000	8	21.6	28.7
				685140	420000	9	21.9	28.7
				685140	420000	10	22.7	28.8
				685140	420000	11	24.0	28.8
				685140	420000	12	24.6	28.0
05.10.99	10.20		18.0	685147	409550	0	2.8	29.1
				685147	409550	1	2.8	29.1
				685147	409550	2	2.7	29.1
				685147	409550	3	2.8	29.0
				685147	409550	4	14.5	29.3
				685147	409550	5	17.6	29.1
				685147	409550	6	18.8	29.0
				685147	409550	7	20.7	28.9
				685147	409550	8	21.6	28.9
				685147	409550	9	22.9	29.0
				685147	409550	10	23.6	28.9
				685147	409550	11	23.9	29.0
				685147	409550	12	24.0	28.9
				685147	409550	13	24.2	29.0
				685147	409550	14	24.2	28.9
05.10.99	11.10		19.0	685147	409550	15	24.2	28.9
				685147	409550	16	24.5	28.9
				685039	399884	0	17.8	29.1
				685039	399884	1	18.3	29.0
				685039	399884	2	18.8	29.0
				685039	399884	3	20.0	29.0
				685039	399884	4	20.8	29.0
				685039	399884	5	22.6	29.1
				685039	399884	6	23.1	29.1
				685039	399884	7	23.3	29.0
				685039	399884	8	23.6	29.0
				685039	399884	9	23.9	29.0
				685039	399884	10	23.9	29.0

Date	Start Time	End Time	Total Depth (m)	Easting	Northing	Point Depth (m)	Salinity	Temp.
05.10.99	12.30		18.0	685039	399884	11	23.9	29.0
				685039	399884	12	24.1	29.0
				685039	399884	13	24.1	29.0
				685039	399884	14	24.1	29.0
				685039	399884	15	24.2	29.0
				685039	399884	16	24.1	29.0
				674133	391080	0	4.2	29.0
				674133	391080	1	4.2	29.1
				674133	391080	2	4.2	29.1
				674133	391080	3	4.2	29.1
				674133	391080	4	4.4	29.1
				674133	391080	5	8.9	28.9
				674133	391080	6	17.9	28.9
				674133	391080	7	21.9	28.9
				674133	391080	8	22.0	28.9
				674133	391080	9	22.0	28.9
				674133	391080	10	22.6	28.9
				674133	391080	11	23.3	28.9
				674133	391080	12	23.5	28.9
				674133	391080	13	24.3	28.9
05.10.99	12.56		17.0	674133	391080	14	24.8	28.8
				674133	391080	15	24.9	28.8
				674133	391080	16	25.2	28.7
				673226	387061	0	7.5	28.8
				673226	387061	1	10.0	28.9
				673226	387061	2	14.9	28.9
				673226	387061	3	16.1	28.8
				673226	387061	4	15.2	28.9
				673226	387061	5	13.1	28.8
				673226	387061	6	16.0	28.9
				673226	387061	7	19.0	28.9
				673226	387061	8	15.0	28.8
				673226	387061	9	21.9	29.0
				673226	387061	10	23.6	28.9
				673226	387061	11	23.9	28.9
				673226	387061	12	24.4	28.8
				673226	387061	13	24.9	28.8
				673226	387061	14	25.2	28.8
				673226	387061	15	25.3	28.7
05.10.99	13.45		17.0	684418	382802	0	17.3	29.5
				684418	382802	1	17.3	29.5
				684418	382802	2	17.3	29.5
				684418	382802	3	17.6	29.5
				684418	382802	4	18.2	29.4
				684418	382802	5	18.9	29.2
				684418	382802	6	19.4	29.2
				684418	382802	7	20.4	29.1
				684418	382802	8	20.9	29.1
				684418	382802	9	21.6	29.1
				684418	382802	10	22.2	29.1
				684418	382802	11	23.3	29.1
				684418	382802	12	23.9	29.1
				684418	382802	13	24.1	29.0
				684418	382802	14	24.3	29.1
				684418	382802	15	24.2	29.0
05.10.99	15.42		14.0	667280	390444	0	1.2	29.3
				667280	390444	1	1.2	29.3



Date	Start Time	End Time	Total Depth (m)	Easting	Northing	Point Depth (m)	Salinity	Temp.
05.10.99	16.40		13.0	667280	390444	2	1.2	29.3
				667280	390444	3	1.2	29.3
				667280	390444	4	1.2	29.3
				667280	390444	5	1.2	29.3
				667280	390444	6	13.3	29.3
				667280	390444	7	20.3	28.7
				667280	390444	8	21.6	28.7
				667280	390444	9	23.0	28.6
				667280	390444	10	23.3	28.6
				667280	390444	11	23.9	28.6
				667280	390444	12	24.0	28.6
				667280	390444	13	24.2	28.6
				667280	390444	14	24.2	28.6
				667280	390444	15	24.2	28.6
05.10.99	17.20		10.6	657300	396247	0	1.1	29.4
				657300	396247	1	1.1	29.4
				657300	396247	2	1.1	29.4
				657300	396247	3	1.1	29.4
				657300	396247	4	1.1	29.4
				657300	396247	5	1.1	29.4
				657300	396247	6	1.1	29.4
				657300	396247	7	1.2	29.4
				657300	396247	8	17.4	29.6
				657300	396247	9	21.0	28.4
				657300	396247	10	22.2	28.3
				657300	396247	11	22.5	28.3
				657300	396247	12	22.6	28.3
				657300	396247	13	22.6	28.4
				657300	396247	14	22.6	28.3
05.10.99	18.05		9.0	648244	400931	0	1.6	29.1
				648244	400931	1	1.6	29.1
				648244	400931	2	1.6	29.1
				648244	400931	3	1.6	29.1
				648244	400931	4	1.6	29.1
				648244	400931	5	1.6	29.1
				648244	400931	6	1.6	29.1
				648244	400931	7	6.5	29.1
				648244	400931	8	11.3	29.0
				648244	400931	9	14.1	28.8
				648244	400931	10	19.0	28.5
				648244	400931	11	20.8	28.4
				639220	405483	0	0.3	29.0
				639220	405483	1	0.3	29.0
				639220	405483	2	0.3	29.0
05.10.99	18.45		8.0	639220	405483	3	0.3	29.1
				639220	405483	4	0.3	29.1
				639220	405483	5	0.3	29.1
				639220	405483	6	6.7	29.1
				639220	405483	7	8.5	29.1
				639220	405483	8	10.0	29.0
				639220	405483	9	13.7	28.8
				639220	405483	10	13.8	28.8
				630389	410146	0	0.0	28.8
				630389	410146	1	0.0	28.8
				630389	410146	2	0.0	28.8
				630389	410146	3	0.0	28.8
				630389	410146	4	0.0	28.8

Date	Start Time	End Time	Total Depth (m)	Easting	Northing	Point Depth (m)	Salinity	Temp.
05.10.99	19.25		7.8	630389	410146	5	0.0	28.8
				630389	410146	6	0.0	28.9
				630389	410146	7	0.0	28.9
				630389	410146	8	0.0	28.9
				630389	410146	9	0.0	28.9
				625885	412062	0	0.0	28.7
				625885	412062	1	0.0	28.7
				625885	412062	2	0.0	28.7
				625885	412062	3	0.0	28.7
				625885	412062	4	0.0	28.7
06.10.99	3.56		6.7	625923	412103	0	0.0	28.2
				625923	412103	1	0.0	28.6
				625923	412103	2	0.0	28.6
				625923	412103	3	0.0	28.6
				625923	412103	4	0.0	28.7
				625923	412103	5	0.0	28.7
				625923	412103	6	0.0	28.7
				625923	412103	7	0.0	28.7
				625923	412103	0	0.0	28.2
				625923	412103	1	0.0	28.2
06.10.99	5.25			625923	412103	2	0.0	28.8
				625923	412103	3	0.0	28.2
				625923	412103	4	0.0	28.2
				625923	412103	5	0.0	28.2
				625923	412103	6	0.0	28.2
				625923	412103	7	0.0	28.7
				625923	412103	8	0.0	28.7
				635372	416259	0	0.1	28.7
				635372	416259	1	0.1	28.8
				635372	416259	2	0.1	28.8
06.10.99	7.28			635372	416259	3	0.2	28.9
				635372	416259	4	0.7	28.9
				635372	416259	5	1.2	29.0
				635372	416259	6	1.3	29.7
				635372	416259	7	1.3	29.0
				635372	416259	8	2.5	29.1
				635372	416259	9	3.2	29.1
				653854	425020	0	0.4	28.7
				653854	425020	1	0.4	28.8
				653854	425020	2	0.4	28.7
06.10.99	8.08		10.0	653854	425020	3	5.0	28.9
				653854	425020	4	7.5	28.9
				653854	425020	5	8.1	28.9
				653854	425020	6	9.6	28.9
				653854	425020	7	10.5	28.9
				653854	425020	8	10.5	28.9
				653854	425020	9	10.5	28.9
				653854	425020	10	10.5	28.9
				662815	428572	0	0.5	29.2
				662815	428572	1	0.5	29.2
06.10.99	8.08		10.0	662815	428572	2	0.5	29.1
				662815	428572	3	0.5	29.1
				662815	428572	4	0.5	29.0
				662815	428572	5	3.5	29.1
				662815	428572	6	7.9	28.9
				662815	428572	7	11.7	28.8
				662815	428572	8	13.3	28.8
				662815	428572	9	13.7	28.8

Date	Start Time	End Time	Total Depth (m)	Easting	Northing	Point Depth (m)	Salinity	Temp.
06.10.99	8.50		12.0	662815	428572	10	13.7	28.7
				662815	428572	11	13.7	28.8
				671880	432210	0	0.8	29.5
				671880	432210	1	0.8	29.1
				671880	432210	2	0.8	29.0
				671880	432210	3	0.8	29.1
				671880	432210	4	8.3	28.8
				671880	432210	5	14.8	28.8
				671880	432210	6	14.9	28.9
				671880	432210	7	15.1	28.8
				671880	432210	8	15.1	28.8
				671880	432210	9	15.1	28.0
				671880	432210	10	15.3	28.7
06.10.99	9.40		12.0	671880	432210	11	15.3	28.8
				671880	432210	12	15.3	28.8
				671880	432210	13	15.3	28.8
				681086	436367	0	1.1	29.5
				681086	436367	1	1.1	29.5
				681086	436367	2	1.1	29.6
				681086	436367	3	1.1	29.5
				681086	436367	4	2.1	29.5
				681086	436367	5	3.6	29.0
				681086	436367	6	12.7	28.9
				681086	436367	7	16.2	28.8
				681086	436367	8	16.9	28.8
				681086	436367	9	16.9	28.8
06.10.99	10.25		11.7	681086	436367	10	17.0	28.8
				681086	436367	11	17.0	28.8
				681086	436367	12	17.0	28.8
				681086	436367	13	17.0	28.8
				681086	436367	14	17.0	28.8
				673327	444263	0	0.8	29.2
				673327	444263	1	0.8	29.2
				673327	444263	2	0.8	29.3
				673327	444263	3	0.8	29.5
				673327	444263	4	1.1	29.1
				673327	444263	5	8.9	29.1
				673327	444263	6	10.7	29.0
				673327	444263	7	10.7	28.9
06.10.99	11.10		10.0	673327	444263	8	10.7	28.9
				673327	444263	9	10.7	29.0
				673327	444263	10	10.7	28.9
				673327	444263	11	10.8	28.9
				673327	444263	12	11.0	28.1
				673327	444263	13	11.0	28.9
				663550	449480	0	0.7	30.5
				663550	449480	1	0.7	30.6
				663550	449480	2	0.7	30.6
				663550	449480	3	0.7	30.5
				663550	449480	4	0.7	30.5
				663550	449480	5	0.8	30.0
				663550	449480	6	1.4	29.1
				663550	449480	7	7.9	29.0
				663550	449480	8	8.9	29.0
				663550	449480	9	8.6	29.0
				663550	449480	10	8.4	29.0
				663550	449480	11	8.1	29.1



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Date	Start Time	End Time	Total Depth (m)	Easting	Northing	Point Depth (m)	Salinity	Temp.
06.10.99	12.53		10.5	663550	449480	12	7.8	29.1
				654345	453464	0	0.5	32.0
				654345	453464	1	0.5	31.6
				654345	453464	2	0.5	30.6
				654345	453464	3	0.5	29.4
				654345	453464	4	0.5	29.1
				654345	453464	5	0.5	29.1
				654345	453464	6	0.6	29.1
				654345	453464	7	2.2	29.1
				654345	453464	8	7.2	29.0
				654345	453464	9	7.8	29.0
06.10.99	14.23			654345	453464	10	8.1	29.0
				654345	453464	11	7.0	29.1
				644500	458030	0	0.0	28.9
				644500	458030	1	0.0	28.9
				644500	458030	2	0.0	28.9
06.10.99	15.20		1.8	644500	458030	3	0.0	29.0
				644500	458030	4	0.0	29.0
				637255	462921	0	0.0	29.3
				637255	462921	1	0.0	29.2
06.10.99	16.05		6.0	637255	462921	2	0.0	29.3
				637255	462921	3	0.0	29.3
				634081	461141	0	0.0	29.2
				634081	461141	1	0.0	29.2
				634081	461141	2	0.0	29.2
06.10.99	16.37		5.0	634081	461141	3	0.0	29.2
				634081	461141	4	0.0	29.2
				634081	461141	5	0.1	29.2
				634081	461141	6	0.1	29.2
				633244	472774	0	0.0	29.3
				633244	472774	1	0.0	29.3
				633244	472774	2	0.0	29.3
				633244	472774	3	0.0	29.3
				633244	472774	4	0.0	29.3
				633244	472774	5	0.0	29.3
				633244	472774	6	0.0	29.3

## Measurement from E-vessel during spring tide with LF325 meter

Date	Time	Name	Easting	Northing	Depth	Salinity	Temp	Remarks
20/2/2000	7:35	A1	603717	423186	0	8.9	21.1	measured from E-vessel
					1	8.8	21.2	(daughter vessel of Anwesha)
					2	8.8	21.2	instrument: LF325 conductivity
					3	8.8	21.2	meter (Mobro Instrumentering)
					4	8.8	21.2	
					5	8.8	21.2	
20/2/2000	8:15	A2	612468	418725	0	9.3	21.1	
					1	9.3	21.3	
					2	9.3	21.3	
					3	9.2	21.3	
					4	9.2	21.3	
					5	9.2	21.3	
					bottom	9.2	21.3	
20/2/2000	9:00	A3	621460	414237	0	16.3	21.6	
					1	16.3	21.7	
					2	16.5	21.6	
					3	16.6	21.6	
					4	16.7	21.6	
					5	16.7	21.7	
					6	16.6	21.7	
					7	16.6	21.7	
					8	16.6	21.7	
					9	16.6	21.7	
					bottom	16.5	21.7	
20/2/2000	9:45	A4	630451	409820	0	25.7	22.1	
					1	25.6	22.1	
					2	25.6	22.1	
					3	25.6	22.1	
					4	25.6	22.1	
					5	25.5	22.1	
					6	25.5	22.1	
					7	25.5	22.1	
					8	25.5	22.1	
					9	25.5	22.1	
					bottom	25.5	22.1	
20/2/2000	10:45	A5	639303	405574	0	29.5	22.3	
					1	29.5	22.3	
					2	29.5	22.3	
					3	29.5	22.3	
					4	29.5	22.3	
					5	29.5	22.3	
					6	29.5	22.3	
					7	29.5	22.3	
					8	29.5	22.3	
					9	29.5	22.3	
					10	29.5	22.3	
					11	29.6	22.3	
					12	29.6	22.3	
					bottom	29.6	22.3	



Measurement from E-vessel during spring tide with LF325 meter

Date	Time	Name	Easting	Northing	Depth	Salinity	Temp	Remarks
20/2/2000	11:20	A4b	630603	409906	0	25.6	22.3	
					1	25.7	22.2	
					2	25.7	22.2	
					3	25.7	22.2	
					4	25.8	22.2	
					5	25.9	22.2	
					6	25.9	22.2	
					7	25.9	22.2	
					8	25.9	22.2	
					9	25.9	22.2	
					10	25.9	22.1	
					11	25.9	22.1	
					12	25.9	22.1	
					bottom	25.9	22.1	
20/2/2000	11:54	A3b	621533	414350	0	15.5	22.5	
					1	16.6	22.0	
					2	17.6	22.0	
					3	18.2	21.9	
					4	18.4	22.0	
					5	18.7	22.0	
					6	18.8	22.0	
					7	18.9	21.9	
					8	19.0	21.9	
					9	19.0	21.9	
					10	19.0	21.9	
					11	19.1	21.9	
					bottom	19.1	21.9	
20/2/2000	12:29	A2b	612587	418740	0	11.5	22.4	
					1	11.5	22.1	
					2	11.5	22.0	
					3	11.5	21.8	
					4	11.5	21.8	
					5	11.5	21.8	
					6	11.5	21.7	
					7	11.5	21.7	
20/2/2000	13:02	A1b	603617	423267	0	10.0	22.1	
					1	10.0	22.0	
					2	10.0	22.0	
					3	10.0	21.8	
					4	10.0	21.8	
20/2/2000	13:18	A6	596993	425040	0	7.6	22.0	
					1	7.6	22.0	
					2	7.6	21.8	
					3	7.6	21.7	
					4	7.6	21.7	
20/2/2000	8:16	B1	590250	429880	0	n/a	n/a	
					1	6.4	22.7	
20/2/2000	9:26	B2	582063	434622	0	n/a	n/a	
					1	6.2	21.7	



## Measurement from E-vessel during spring tide with LF325 meter

Date	Time	Name	Easting	Northing	Depth	Salinity	Temp	Remarks
					2	6.2	21.7	
					3	6.3	21.7	
					4	6.2	21.6	
20/2/2000	9:50	B3	585806	433081	0	n/a	n/a	
					1	5.9	21.5	
					2	5.9	21.5	
20/2/2000	11:15	B4	577046	436637	0	n/a	n/a	
					1	6.4	22.7	
21/2/2000	8:05	C1	597512	440535	0	7.7	21.4	
					1	7.8	21.4	
					2	7.9	21.4	
					3	7.9	21.4	
					4	7.9	21.4	
					5	7.9	21.4	
					6	7.9	21.4	
21/2/2000	8:20	C2	601034	445018	0	8.8	21.3	
					1	8.8	21.3	
					2	8.8	21.3	
					3	8.8	21.3	
21/2/2000	8:31	C3	605089	450001	0	11.5	21.5	
					1	11.5	21.5	
					2	11.5	21.5	
					3	11.5	21.5	
21/2/2000	8:45	C4	607277	455049	0	11.3	21.5	
					1	11.3	21.5	
21/2/2000	8:55	C5	609257	460004	0	11.5	21.4	
					1	11.5	21.4	
					2	11.5	21.4	
					3	11.5	21.4	
21/2/2000	9:05	C6	609592	465043	0	10.9	21.4	
					1	11.1	21.4	
					2	11.9	21.4	
					3	12.2	21.4	
					4	11.2	21.4	
					5	11.0	21.3	
					6	11.0	21.3	
21/2/2000	9:12	C7	609614	468040	0	14.7	21.6	sed. front / high sed. side
					1	14.7	21.6	
					2	14.7	21.6	
					3	14.7	21.6	
					4	14.7	21.6	
					5	14.7	21.6	
21/2/2000	9:15	C8	609506	467966	0	11.3	21.4	sed. front / less sed. side
					1	11.3	21.5	
					2	13.7	21.5	

Measurement from E-vessel during spring tide with LF325 meter

Date	Time	Name	Easting	Northing	Depth	Salinity	Temp	Remarks
					3	14.3	21.5	
					4	14.5	21.5	
					5	14.5	21.5	
					6	14.5	21.5	
21/2/2000	9:17	C9	609387	467810	0	11.6	21.4	
					1	11.7	21.3	
					2	12.2	21.3	
					3	13.8	21.3	
					4	14.3	21.4	
					5	14.4	21.4	
					6	14.4	21.4	
21/2/2000	9:20	C10	609082	467629	0	10.7	21.4	
					1	10.7	21.4	
					2	10.7	21.4	
					3	10.7	21.4	
21/2/2000	9:25	C11	609873	470096	0	14.7	21.6	
					1	14.7	21.6	
					2	14.7	21.6	
					3	14.8	21.6	
					4	14.9	21.6	
					5	14.9	21.5	
					6	14.9	21.6	
21/2/2000	9:35	C12	610038	475170	0	14.8	21.6	
					1	14.8	21.6	
					2	14.8	21.6	
					3	14.8	21.6	
					4	14.8	21.5	
21/2/2000	9:45	C13	610247	480367	0	14.0	21.5	
					1	14.0	21.5	
					2	14.0	21.5	
					3	14.3	21.4	
					4	14.3	21.4	
					5	14.3	21.4	
					6	14.3	21.4	
					7	14.4	21.4	
					8	14.5	21.4	
					9	14.5	21.4	
					10	14.6	21.4	
					11	14.6	21.4	
					12	14.5	21.4	
					13	14.5	21.4	
					14	14.5	21.4	
					15	14.5	21.4	
					16	14.6	21.4	
					17	14.6	21.4	
21/2/2000	10:10	C14	611002	480927	0	12.6	21.5	
					1	12.7	21.4	
					2	12.7	21.4	
					3	12.8	21.4	

## Measurement from E-vessel during spring tide with LF325 meter

Date	Time	Name	Easting	Northing	Depth	Salinity	Temp	Remarks
					4	12.8	21.3	
					5	13.2	21.3	
					6	13.5	21.3	
					7	13.7	21.3	
					8	14.3	21.3	
					9	14.3	21.4	
					10	14.4	21.4	
					11	14.4	21.4	
					12	14.4	21.4	
					13	14.4	21.3	
					14	14.4	21.3	
					15	14.4	21.3	
21/2/2000	10:25	C15	608809	484233	0	11.0	21.3	
					1	11.1	21.3	
					2	11.1	21.3	
					3	11.2	21.3	
					4	11.2	21.3	
					5	11.2	21.2	
21/2/2000	10:35	C16	606000	490000	0	13.1	21.8	
					1	13.9	21.4	
21/2/2000	10:45	C17	605824	490513	0	5.9	21.1	
					1	5.9	21.1	
					2	5.9	21.1	
					3	5.9	21.1	
21/2/2000	10:55	C18	602565	494529	0	4.4	21.1	
					1	4.4	21.1	
					2	4.4	21.0	
					3	4.5	21.0	
					4	4.5	21.0	
21/2/2000	11:10	C19	596740	496556	0	1.7	21.9	
					1	1.7	21.9	
					2	1.7	21.9	
					3	1.8	21.9	
					4	1.8	21.9	
					5	1.8	21.9	
21/2/2000	12:15	C20	578152	499766	0	0.8	21.1	
					1	0.9	21.0	
					2	0.8	21.1	
					3	0.9	21.0	
					4	0.9	21.1	
					5	1.1	20.9	
					6	1.1	20.9	
21/2/2000	13:50	C21	577994	500015	0	1.2	21.3	
					1	1.2	21.0	
					2	1.3	20.9	
					3	1.1	21.0	
					4	1.1	21.0	
					5	1.1	21.0	



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## Measurement from E-vessel during spring tide with LF325 meter

Date	Time	Name	Easting	Northing	Depth	Salinity	Temp	Remarks
					6	1.1	20.9	
					7	1.1	21.0	
					8	1.1	21.0	
					9	1.1	20.9	
21/2/2000	14:03	C22	579322	495025	0	1.4	21.2	
					1	1.5	21.1	
					2	1.6	20.9	
					3	1.7	20.9	
					4	1.8	20.9	
					5	1.8	20.9	
					6	1.8	20.9	
					7	1.8	20.9	
					8	1.9	20.9	
					9	2.0	20.9	
					10	2.0	20.9	
					11	2.4	21.0	
					12	2.6	21.0	
21/2/2000	14:15	C23	582982	489977	0	2.7	21.4	
					1	2.8	21.4	
					2	3.0	21.2	
					3	3.0	21.2	
					4	3.2	21.1	
					5	3.3	21.0	
					6	3.4	21.0	
					7	3.5	21.0	
					8	3.7	21.1	
					9	3.8	21.1	
					10	3.8	21.1	
					11	3.8	21.1	
					12	3.9	21.1	
					13	4.0	21.1	
					14	3.9	21.1	
					15	4.0	21.1	
					16	4.0	21.1	
					17	4.0	21.1	
					18	4.0	21.1	
21/2/2000	14:30	C24	587036	485005	0	4.7	21.6	
					1	5.2	21.4	
					2	5.8	21.3	
					3	5.7	21.2	
					4	5.7	21.2	
					5	5.8	21.2	
					6	6.4	21.2	
					7	6.6	21.4	
					8	6.5	21.5	
					9	6.6	21.4	
					10	6.6	21.5	
					11	6.6	21.5	
					12	6.6	21.5	
					13	6.6	21.5	
					14	6.6	21.5	
					15	6.6	21.5	

## Measurement from E-vessel during spring tide with LF325 meter

Date	Time	Name	Easting	Northing	Depth	Salinity	Temp	Remarks
					16	6.6	21.5	
					17	6.6	21.5	
					18	6.6	21.5	
21/2/2000	14:47	C25	591999	480005	0	8.4	21.7	
					1	8.4	21.6	
					2	8.4	21.6	
					3	8.5	21.6	
					4	8.5	21.6	
					5	8.6	21.6	
					6	8.7	21.6	
					7	8.8	21.6	
					8	8.8	21.6	
					9	9.0	21.6	
					10	9.3	21.6	
					11	9.3	21.6	
					12	9.3	21.6	
					13	9.1	21.6	
21/2/2000	15:02	C26	595006	474988	0	10.0	21.9	
					1	10.2	21.8	
					2	10.2	21.6	
					3	10.2	21.6	
					4	10.3	21.6	
					5	10.4	21.7	
					6	10.5	21.7	
					7	10.7	21.7	
					8	10.7	21.7	
					9	10.7	21.7	
21/2/2000	15:13	C27	594013	469984	0	10.0	22.0	
					1	10.5	22.0	
					2	10.6	21.8	
					3	10.6	21.8	
					4	11.2	21.6	
					5	11.4	21.6	
					6	11.4	21.6	
21/2/2000	15:24	C28	592507	465007	0	9.3	21.9	
					1	9.3	21.9	
					2	9.4	21.9	
					3	9.5	21.9	
					4	9.5	21.9	
					5	9.7	21.9	
					6	9.7	21.9	
					7	9.7	21.8	
					8	9.8	21.8	
					9	9.9	21.8	
					10	10.0	21.7	
					11	10.2	21.6	
21/2/2000	15:35	C29	590982	459991	0	9.6	22.0	
					1	9.6	22.0	
					2	9.6	22.0	
					3	9.6	21.9	

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Measurement from E-vessel during spring tide with LF325 meter

Date	Time	Name	Easting	Northing	Depth	Salinity	Temp	Remarks
					4	9.7	21.9	
					5	9.7	21.9	
					6	9.7	22.0	
					7	10.0	22.0	
					8	10.0	22.0	
21/2/2000	15:45	C30	590994	454983	0	9.5	21.9	
					1	9.5	21.9	
					2	9.5	21.8	
					3	9.5	21.8	
21/2/2000	15:57	C31	591007	449988	0	7.4	21.7	
					1	7.5	21.7	
					2	7.5	21.7	
					3	7.8	21.7	
					4	8.1	21.7	
					5	8.1	21.7	
					6	8.1	21.7	
					7	8.1	21.7	
					8	8.2	21.7	
					9	8.2	21.6	
					10	8.3	21.6	
					11	8.3	21.6	
21/2/2000	16:12	C32	587963	444960	0	6.7	21.6	
					1	6.7	21.7	
					2	6.7	21.6	
					3	6.7	21.6	
					4	6.7	21.6	
					5	6.7	21.6	
					6	6.7	21.6	
					7	6.7	21.6	
					8	6.7	21.6	
					9	6.7	21.6	
					10	6.7	21.6	
					11	6.7	21.6	
21/2/2000	16:25	C33	586988	439971	0	6.6	21.8	
					1	6.6	21.8	
					2	6.6	21.8	
					3	6.6	21.8	
					4	6.6	21.8	
					5	6.6	21.8	
					6	6.7	21.8	
					7	6.7	21.8	
					8	6.8	21.8	
					9	6.8	21.7	
					10	6.8	21.6	
					11	6.9	21.6	
					12	7.0	21.6	
					13	7.0	21.6	
					14	7.0	21.6	
					15	7.0	21.6	
21/2/2000	16:37	C34	584979	434946	0	6.6	21.8	



## Measurement from E-vessel during spring tide with LF325 meter

Date	Time	Name	Easting	Northing	Depth	Salinity	Temp	Remarks
					1	6.6	21.7	
					2	6.6	21.8	
					3	6.6	21.8	
					4	6.6	21.8	
					5	6.6	21.8	
					6	6.6	21.7	
					7	6.6	21.7	
					8	6.6	21.7	
					9	6.6	21.7	
					10	6.6	21.7	
					11	6.6	21.7	
					12	6.6	21.7	
					13	6.6	21.7	
					14	6.6	21.7	
21/2/2000	16:54	C35	582974	429689	0	6.6	22.0	
					1	6.6	22.0	
					2	6.6	22.0	
					3	6.6	22.0	
					4	6.6	22.0	
					5	6.6	22.0	
					6	6.6	22.0	
22/2/2000	7:23	D1	600017	419999	0	7.3	21.3	
					1	7.3	21.3	
22/2/2000	8:02	D2	610001	425000	0	9.1	21.3	
					1	9.0	21.5	
					2	9.1	21.5	
					3	9.1	21.5	
22/2/2000	8:23	D3	615015	434977	0	12.1	21.3	
					1	12.0	21.3	
					2	12.1	21.3	
					3	12.0	21.3	
22/2/2000	8:49	D4	621257	445017	0	12.3	21.3	
					1	12.4	21.3	
					2	12.4	21.3	
					3	12.5	21.5	
					4	12.5	21.5	
22/2/2000	9:09	D5	624996	454993	0	15.1	21.5	
					1	15.1	21.5	
					2	15.1	21.5	
					3	15.2	21.4	
					4	15.1	21.5	
					5	15.1	21.5	
					6	15.1	21.5	
					7	15.1	21.4	
22/2/2000	9:32	D6	634973	463411	0	15.6	21.5	
					1	15.6	21.4	
					2	15.6	21.4	
					3	15.6	21.4	

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Measurement from E-vessel during spring tide with LF325 meter

Date	Time	Name	Easting	Northing	Depth	Salinity	Temp	Remarks
22/2/2000	9:51	D7	643924	458942	0	15.1	21.5	
					1	15.2	21.5	
22/2/2000	10:10	D8	652879	454987	0	15.9	21.6	front / clear water side
					1	16.1	21.5	
					2	16.8	21.8	
					3	17.0	21.8	
					4	17.0	21.6	
					5	17.0	21.6	
					6	17.0	21.6	
					7	17.0	21.6	
22/2/2000	10:12	D9	653043	455039	0	17.0	21.1	front / high sed. conc.
					1	17.0	21.8	
					2	17.0	21.7	
					3	17.0	21.6	
					4	17.0	21.6	
					5	17.0	21.6	
					6	17.0	21.6	
					7	17.0	21.6	
					8	17.0	21.7	
22/2/2000	10:32	D10	661808	455009	0	16.8	21.9	
					1	16.9	21.8	
					2	16.9	21.6	
					3	16.9	21.5	
					4	16.9	21.5	
					5	16.9	21.5	
					6	16.8	21.5	
					7	16.8	21.5	
22/2/2000	10:44	D11	666576	455032	0	17.1	22.1	
					1	17.1	22.0	
					2	17.1	21.8	
					3	17.1	21.6	
					4	17.0	21.6	
					5	17.0	21.6	
					6	17.0	21.6	
					7	17.0	21.6	
22/2/2000	11:02	D12	670007	455018	0	17.9	22.2	
					1	17.9	22.0	
					2	17.9	22.0	
					3	18.0	21.9	
					4	18.0	21.8	
					5	17.9	21.8	
					6	17.9	21.8	
					7	17.9	21.8	
					8	17.9	21.8	
22/2/2000	11:19	D13	669982	465035	0	17.3	22.2	
					1	17.1	22.2	
					2	17.1	21.9	
					3	17.1	21.8	

Measurement from E-vessel during spring tide with LF325 meter

Date	Time	Name	Easting	Northing	Depth	Salinity	Temp	Remarks
					4	17.1	21.7	
					5	17.1	21.6	
					6	17.0	21.6	
					7	17.0	21.6	
					8	17.0	21.6	
22/2/2000	11:35	D14	670014	475020	0	17.5	22.3	
					1	17.4	22.2	
					2	17.3	21.9	
					3	17.3	21.7	
					4	17.3	21.6	
					5	17.3	21.6	
					6	17.3	21.6	
					7	17.3	21.6	
					8	17.1	21.6	
					9	17.1	21.6	
22/2/2000	11:52	D15	674207	483043	0	18.1	22.8	
					1	18.1	22.8	
					2	18.1	22.6	
					3	18.1	21.9	
					4	18.2	21.9	
					5	18.2	21.9	
					6	18.2	21.9	
					7	18.3	21.9	
					8	18.3	21.9	
					9	18.2	21.9	
					10	18.2	21.9	
					11	18.1	21.9	
22/2/2000	12:08	D16	673456	489512	0	18.4	22.2	
					1	18.4	22.2	
					2	18.4	22.2	
					3	18.4	22.2	
					4	18.4	22.2	
					5	18.4	22.2	
					6	18.4	22.2	
					7	18.4	22.2	
					8	18.4	22.2	
22/2/2000	14:06	D17	662050	495091	0	17.3	22.4	
					1	17.3	22.1	
					2	17.4	22.0	
					3	17.4	22.0	
					4	17.4	21.9	
					5	17.4	21.9	
					6	17.4	21.9	
					7	17.4	21.9	
					8	17.4	21.8	
					9	17.4	21.8	
					10	17.4	21.8	
					11	17.4	21.8	
					12	17.4	21.8	
					13	17.3	21.7	
					14	17.3	21.7	



Measurement from E-vessel during spring tide with LF325 meter

Date	Time	Name	Easting	Northing	Depth	Salinity	Temp	Remarks
					15	17.3	21.7	
					16	17.3	21.7	
					17	17.3	21.7	
					18			end of cable
22/2/2000	14:39	D18	653950	505055	0	17.6	23.2	
					1	17.6	23.1	
					2	17.5	22.4	
					3	17.6	22.2	
					4	17.6	22.0	
					5	17.6	22.0	
					6	17.6	21.9	
					7	17.6	21.9	
					8	17.6	21.9	
					9	17.6	21.9	
					10	17.6	21.9	
					11	17.6	21.9	
					12	17.6	21.9	
22/2/2000	15:09	D19	643986	513007	0	17.6	22.4	
					1	17.6	22.6	
					2	17.6	22.0	
					3	17.5	22.0	
					4	17.5	21.9	
					5	17.4	21.8	
					6	17.4	21.8	
					7	17.4	21.7	
					8	17.4	21.6	
					9	17.3	21.6	
22/2/2000	15:28	D20	634158	513932	0	17.3	22.0	
					1	17.3	21.9	
					2	17.3	21.9	
					3	17.3	21.7	
					4	17.2	21.7	
					5	17.2	21.6	
					6	17.2	21.7	
					7	17.2	21.7	
					8	17.2	21.8	
					9	17.3	21.8	
					10	17.3	21.8	
					11	17.3	21.7	
					12	17.2	21.6	
22/2/2000	15:38	D21	632033	509949	0	17.3	21.9	
					1	17.3	21.9	
					2	17.3	21.9	
					3	17.3	21.9	
					4	17.3	21.9	
					5	17.3	21.9	
					6	17.3	21.9	
					7	17.3	21.9	
22/2/2000	15:51	D22	635933	502680	0	17.2	21.8	current front
					1	17.1	21.8	

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Measurement from E-vessel during spring tide with LF325 meter

Date	Time	Name	Easting	Northing	Depth	Salinity	Temp	Remarks
					2	17.2	21.8	
					3	17.2	21.8	
					4	17.2	21.8	
					5	17.2	21.9	front passed; water looks like boil
					6	17.2	21.9	
					7	17.1	21.9	
					8	17.0	21.9	
					9	17.1	21.9	
					10	17.1	21.9	
					11	17.2	21.9	
					12	17.1	21.8	
22/2/2000	15:55	D23	636063	502491	0	16.2	21.8	other side of current front
					1	16.2	21.8	
					2	16.5	21.8	
					3	16.9	22.0	
					4	16.9	22.0	
					5	16.9	22.0	
					6	16.9	22.0	
					7	16.9	22.0	
					8	16.9	22.0	
					9	16.9	22.0	
					10	16.9	22.0	
					11	17.0	22.0	
					12	17.0	21.9	
					13	17.1	21.9	
22/2/2000	16:03	D24	634185	499989	0	17.3	22.0	
					1	17.2	21.9	
					2	17.2	21.9	
					3	17.2	21.8	
					4	17.2	21.8	
					5	17.2	21.8	
					6	17.1	21.8	
					7	17.1	21.8	
22/2/2000	16:40	D25	629684	488397	0	16.2	21.9	
					1	16.2	21.8	
					2	16.2	21.8	
					3	16.2	21.8	
22/2/2000	16:53	D26	624974	484990	0	16.2	21.9	
					1	16.2	21.9	
22/2/2000	17:05	D27	619960	480112	0	15.9	22.0	
					1	16.1	21.9	
					2	16.4	21.9	
					3	16.5	21.9	
22/2/2000	17:11	D28	618707	479976	0	16.1	22.0	
					1	16.2	22.0	
					2	16.2	22.0	
					3	16.2	22.0	
					4	16.2	22.0	
					5	16.3	22.0	



Measurement from E-vessel during spring tide with LF325 meter

Date	Time	Name	Easting	Northing	Depth	Salinity	Temp	Remarks
					6	16.3	21.9	
					7	16.2	22.0	
					8	16.2	21.9	
					9	16.2	21.9	
22/2/2000	17:17	D29	617708	479465	0	14.9	21.9	
					1	14.9	21.9	
					2	15.1	21.9	
					3	15.4	21.9	
					4	15.5	21.8	
					5	15.5	21.8	
					6	15.5	21.9	
					7	15.5	21.8	
					8	15.6	21.8	
					9	15.6	21.8	
					10	15.6	21.8	
					11	15.6	21.8	
					12	15.6	21.8	
					13	15.6	21.8	
22/2/2000	17:24	D30	616438	479017	0	15.2	21.8	
					1	15.3	21.9	
					2	15.4	21.8	
					3	15.4	21.8	
					4	15.5	21.8	
					5	15.5	21.8	
					6	15.5	21.8	
					7	15.6	21.8	
					8	15.6	21.9	
					9	15.6	21.9	
					10	15.6	21.9	
					11	15.6	21.9	
					12	15.6	21.9	
					13	15.6	21.9	
					14	15.6	21.9	
					15	15.6	21.9	
					16	15.6	21.9	
					17	15.6	21.9	
					18	15.6	21.9	
					end of cable			



Measurements from Anwasha during spring tide with LF325 meter at the east of Char Nizam

date	time	Easting	Northing	depth	salinity	temp	comments
20/02/2000	17:20	590912	425106	0	6.4	22.0	40degr, high speed
				1	6.4	22.0	
				2	6.4	22.0	
				3	6.4	22.0	
				4	6.4	22.0	
	17:22	end					
20/02/2000	18:00	590912	425106	0	6.5	21.1	40degr, high speed
				1	6.5	21.1	
				2	6.5	21.1	
				3	6.5	21.1	
				4	6.5	21.1	
	18:20	end	???				
20/02/2000	18:30	590912	425106	0	6.5	21.9	40degr, high speed
				1	6.5	21.9	
				2	6.5	21.9	
				3	6.5	21.8	
				4	6.5	21.8	
	18:34	end					
20/02/2000	19:10	590912	425106	0	6.5	21.9	
				1	6.5	21.9	
				2	6.5	21.9	
				3	6.5	21.8	
	19:13	end					
20/02/2000	19:30	590912	425106	0	6.5	21.7	80 degrees
				1	6.4	21.8	
				2	6.4	21.8	
				3	6.4	21.8	
				3.3	6.4	21.8	
	19:32	end					
20/02/2000	20:00	590912	425106	0	6.6	21.6	80 degrees
				1	6.6	21.6	
				2	6.6	21.9	
				3	6.5	21.9	
				3.3	6.5	21.9	
	20:20	end					
20/02/2000	21:00	590912	425106	0	7.5	22.1	60 degrees
				1	7.5	22.1	
				2	7.5	22.2	
				3	7.5	22.1	
				4	7.5	22.1	
				4.5	7.5	22.2	
	21:04	end					
20/02/2000	21:30	590912	425106	0	7.7	22.2	45 degrees
				1	7.7	22.2	
				2	7.7	22.2	
				3	7.7	22.2	

C2

Table 3

date	time	Easting	Northing	depth	salinity	temp	comments
				4	7.7	22.2	
				5	7.7	22.2	
	21:35	end					
20/02/2000	22:00	590912	425106	0	7.2	21.7	
				1	7.2	21.7	
				2	7.2	21.7	
				3	7.2	21.7	
				4	7.2	21.8	
				5	7.2	21.8	
	22:03	end					
20/02/2000	22:34	590912	425106	0	7.1	21.7	
				1	7.1	21.7	
				2	7.1	21.7	
				3	7.1	21.7	
				4	7.1	21.7	
				5	7.1	21.7	
				6	7.1	21.7	
	22:36	end					
20/2/2000	23:00	590912	425106	0	7.2	21.7	
				1	7.2	21.7	
				2	7.2	21.7	
				3	7.2	21.7	
				4	7.2	21.7	
				5	7.2	21.7	
				6	7.2	21.7	
	23:05	end					
20/2/2000	23:30	590912	425106	0	7.3	21.7	
				1	7.3	21.7	
				2	7.3	21.7	
				3	7.3	21.7	
				4	7.3	21.7	
				5	7.3	21.7	
				6	7.3	21.7	
				7	7.3	21.7	
	23:35	end					
21/02/2000	0:00	590912	425106	0	7.5	21.7	
				1	7.5	21.7	
				2	7.5	21.7	
				3	7.5	21.7	
				4	7.5	21.7	
				5	7.5	21.7	
				6	7.5	21.7	
				7.5	7.5	21.7	
	0:05	end					
21/2/2000	0:30	590912	425106	0	7.5	21.7	
				1	7.5	21.7	
				2	7.5	21.7	
				3	7.5	21.7	
				4	7.5	21.7	
				5	7.5	21.7	

date	time	Easting	Northing	depth	salinity	temp	comments
				6	7.5	21.7	
				7	7.5	21.7	
	0:36	end		7.5	7.5	21.7	
21/2/2000	1:00	590912	425106	0	7.6	21.9	
				1	7.6	21.9	
				2	7.6	21.9	
				3	7.6	21.9	
				4	7.6	21.9	
				5	7.6	21.9	
				6	7.6	21.9	
				7	7.6	21.9	
	1:05	end					
21/2/2000	1:30	590912	425106	0	7.7	21.8	
				1	7.7	21.8	
				2	7.7	21.8	
				3	7.7	21.8	
				4	7.7	21.8	
				5	7.7	21.8	
				6	7.7	21.8	
	1:35	end					
21/2/2000	2:00	590912	425106	0	7.7	21.8	
				1	7.7	21.8	
				2	7.7	21.8	
				3	7.7	21.8	
				4	7.7	21.8	
				5	7.7	21.8	
				6.5	7.7	21.8	
	2:05	end					
21/2/2000	2:30	590912	425106	0	7.7	21.8	
				1	7.7	21.8	
				2	7.7	21.8	
				3	7.7	21.8	
				4	7.7	21.8	
				5	7.7	21.8	
				6	7.7	21.8	
	2:35	end					
21/2/2000	3:00	590912	425106	0	7.6	21.7	
				1	7.6	21.7	
				2	7.6	21.7	
				3	7.6	21.7	
				4	7.6	21.7	
				5	7.6	21.7	
	3:05	end					
21/2/2000	3:30	590912	425106	0	7.5	21.8	
				1	7.5	21.8	
				2	7.5	21.8	
				3	7.5	21.8	
				4	7.5	21.8	
				4.5	7.5	21.8	



Table 3

date	time	Easting	Northing	depth	salinity	temp	comments
	3:35	end					
21/2/2000	4:05	590912	425106	0	7.5	21.7	45 degrees
				1	7.5	21.7	
				2	7.5	21.7	
				3	7.5	21.7	
	4:08	end					
21/2/2000	4:30	590912	425106	0	7.5	21.7	45 degrees
				1	7.5	21.7	
				2	7.5	21.7	
	4:33	end					
21/2/2000	5:00	590912	425106	0	7.5	21.6	45 degrees
				1	7.5	21.6	
				2	7.5	21.7	
				3	7.5	21.7	
	5:03	end					

Anwesha moved 8km

East of Char Azam

21/2/2000	5:30	587236	418012	0	7.5	21.6	45 degrees
				1	7.5	21.6	
				2	7.5	21.6	
				3	7.5	21.6	
	5:33	end					
21/2/2000	9:45	587231	418012	0	7.5	21.8	
				1	7.6	21.8	
				2	7.6	21.8	
				3	7.6	21.8	
				4	7.7	21.8	
				5	7.7	21.8	
	9:50	end					
21/2/2000	10:30	587231	418012	0	7.4	22.0	
				1	7.4	22.0	
				2	7.4	21.9	
				3	7.5	21.8	
				4	7.5	21.7	
				5	7.5	21.7	
	10:35	end					
21/2/2000	11:00	587231	418012	0	7.5	22.0	
				1	7.5	22.0	
				2	7.5	22.0	
				3	7.5	21.8	
				4	7.5	21.8	
				5	7.5	21.8	
	11:05	end					
21/2/2000	11:30	587231	418012	0	7.7	22.2	
				1	7.7	22.2	
				2	7.7	22.3	
				3	7.7	22.1	
				4	7.7	22.1	
				5	7.7	22.1	

date	time	Easting	Northing	depth	salinity	temp	comments
	11:35	end					
21/2/2000	12:00	587231	418012	0	7.7	22.2	
				1	7.7	22.3	
				2	7.7	22.2	
				3	7.7	22.1	
				4	7.7	22.1	
				5	7.7	22.0	
				6	7.7	22.0	
				7	7.7	22.0	
	12:06	end					
21/2/2000	12:30	587231	418012	0	7.7	22.2	
				1	7.7	22.2	
				2	7.7	22.1	
				3	7.7	22.1	
				4	7.7	22.0	
				5	7.7	22.0	
				6	7.7	22.0	
				7	7.7	22.0	
	12:36	end					
21/2/2000	13:00	587231	418012	0	7.9	22.2	
				1	7.9	22.2	
				2	7.8	22.1	
				3	7.8	22.1	
				4	7.8	22.1	
				5	7.8	22.1	
				6	7.7	22.1	
				7	7.7	22.0	

## Measurements from Anwasha with LF325 meter at the East of Puber Char

21/02/2000	21:10	583515	412485	0	7.5	21.7	40degr, high speed
				1	7.5	21.7	
				2	7.5	21.7	
				3	7.5	21.7	
				4	7.5	21.7	
				5	7.5	21.7	
				6	7.5	21.7	
	21:12	end					
21/02/2000	21:30	583515	412485	0	7.5	21.6	85 degrees, high spe
				1	7.5	21.7	
				2	7.5	21.7	
				3	7.5	21.7	
				4	7.5	21.6	
				5	7.5	21.6	
				6	7.5	21.6	
				7	7.5	21.6	
				8	7.5	21.6	
	21:33	end					
21/02/2000	22:00	583515	412485	0	7.5	21.8	45 degrees, high spe
				1	7.5	21.8	
				2	7.5	21.8	



date	time	Easting	Northing	depth	salinity	temp	comments
				3	7.5	21.8	
				4	7.5	21.8	
				5	7.5	21.8	
				6	7.5	21.8	
				7	7.5	21.8	
				8	7.5	21.8	
				9	7.5	21.8	
				10	7.5	21.8	
	22:03	end					
21/02/2000	22:30	583515	412485	0	7.8	21.7	
				1	7.8	21.7	
				2	7.8	21.7	
				3	7.8	21.7	
				4	7.8	21.8	
				5	7.7	21.7	
				6	7.7	21.8	
				7	7.7	21.8	
				8	7.7	21.8	
				9	7.7	21.8	
				10	7.7	21.8	
				11	7.7	21.8	
				12	7.7	21.8	
	22:35	end					
21/02/2000	23:00	583515	412485	0	8.6	21.7	40 degrees, high spe
				1	8.6	21.7	
				2	8.6	21.8	
				3	8.6	21.8	
				4	8.6	21.8	
				5	8.6	21.8	
				6	8.6	21.9	
				7	8.6	21.9	
				8	8.5	21.8	
				9	8.5	21.8	
				10	8.5	21.8	
				11	8.5	21.8	
				12	8.5	21.8	
				13	8.5	21.8	
				14	8.5	21.8	
				15	8.5	21.8	
	23:05	end					
21/02/2000	23:30	583515	412485	0	8.6	21.8	60 degrees, high spe
				1	8.6	21.8	
				2	8.6	21.8	
				3	8.6	21.8	
				4	8.6	21.8	
				5	8.6	21.8	
				6	8.6	21.9	
				7	8.6	21.9	
				8	8.6	21.8	
				9	8.6	21.8	
				10	8.6	21.8	
	23:34	end					





date	time	Easting	Northing	depth	salinity	temp	comments
22/02/2000	0:00	583515	412485	0	8.5	21.7	
				1	8.6	21.7	
				2	8.6	21.7	
				3	8.6	21.8	
				4	8.7	21.8	
				5	8.7	21.8	
				6	8.7	21.8	
				7	8.7	21.9	
				8	8.7	21.9	
				9	8.8	21.8	
				10	8.8	21.8	
				11	8.8	21.8	
	0:03	end					
22/02/2000	0:30	583515	412485	0	8.8	21.8	
				1	8.8	21.8	
				2	8.8	21.8	
				3	8.8	21.8	
				4	8.7	21.8	
				5	8.7	21.8	
				6	8.7	21.8	
				7	8.8	21.8	
				8	8.8	21.8	
				9	8.8	21.8	
				10	8.8	21.8	
				11	8.8	21.8	
	0:33	end					
22/02/2000	1:00	583515	412485	0	9.2	22.0	
				1	9.2	22.0	
				2	9.2	22.0	
				3	9.2	22.0	
				4	9.2	22.0	
				5	9.2	22.0	
				6	9.1	22.0	
				7	9.1	22.0	
				8	9.1	22.0	
				9	9.1	22.0	
				10	9.1	22.0	
				11	9.1	22.0	
	1:03	end					
22/02/2000	1:30	583515	412485	0	10	22.0	
				1	10	22.0	
				2	10	22.0	
				3	10	22.0	
				4	10	22.0	
				5	10	22.0	
				6	9.9	22.0	
				7	9.9	22.0	
				8	9.9	22.0	
				9	10	22.0	
				10	10	22.0	
				11	10	22.0	
	1:33	end					

date	time	Easting	Northing	depth	salinity	temp	comments
22/02/2000	2:00	583515	412485	0	10	21.8	
				1	10	21.8	
				2	10	21.8	
				3	10	21.8	
				4	10	21.8	
				5	10	21.9	
				6	10	21.9	
				7	10	21.9	
				8	10	21.9	
				9	10	21.9	
				10	10	21.9	
	2:03	end					
22/02/2000	2:30	583515	412485	0	10.2	21.8	
				1	10.2	21.8	
				2	10.2	21.8	
				3	10.2	21.8	
				4	10.2	21.8	
				5	10.2	21.8	
				6	10.1	21.8	
				7	10.1	21.8	
				8	10.1	21.8	
				9	10.1	21.8	
	2:33	end					
22/02/2000	3:00	583515	412485	0	10.6	22.0	
				1	10.6	22.0	
				2	10.6	22.0	
				3	10.6	22.0	
				4	10.6	22.0	
				5	10.6	22.0	
				6	10.6	22.0	
				7	10.6	22.0	
				8	10.6	22.0	
	3:03	end					
22/02/2000	3:30	583515	412485	0	10.2	22.0	
				1	10.2	22.0	
				2	10.2	22.0	
				3	10.2	22.0	
				4	10.1	22.0	
				5	10.1	22.0	
				6	10.1	22.0	
				7	10.1	22.0	
				7.5	10.1	22.0	
	3:33	end					
22/02/2000	4:00	583515	412485	0	8.4	21.7	
				1	8.4	21.7	
				2	8.4	21.7	
				3	8.4	21.7	
				4	8.4	21.7	
				5	8.4	21.7	
				6	8.4	21.7	
				7	8.4	21.7	
	4:03	end					

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Table 3

date	time	Easting	Northing	depth	salinity	temp	comments
22/02/2000	4:30	583515	412485	0	8.3	21.7	
				1	8.3	21.7	
				2	8.3	21.7	
				3	8.3	21.7	
				4	8.3	21.7	
				5	8.3	21.7	
				6	8.3	21.7	
				7	8.3	21.7	
	4:33	end					
22/02/2000	5:00	583515	412485	0	8.2	21.7	
				1	8.2	21.7	
				2	8.2	21.7	
				3	8.2	21.7	
				4	8.2	21.7	
				5	8.2	21.7	
				6	8.2	21.7	
				6.8	8.2	21.7	
	5:03	end					
22/02/2000	5:30	583515	412485	0	8.1	21.7	
				1	8.1	21.7	
				2	8.1	21.7	
				3	8.1	21.7	
				4	8.1	21.7	
				5	8.1	21.7	
				6	8.1	21.7	
	5:33	end					
22/02/2000	6:00	583515	412485	0	7.9	21.7	
				1	7.9	21.7	
				2	7.9	21.7	
				3	7.9	21.7	
				4	7.9	21.7	
				5	7.9	21.7	
				5.7	7.9	21.7	
	6:03	end					
22/02/2000	6:30	583515	412485	0	7.7	21.7	
				1	7.7	21.7	
				2	7.7	21.7	
	6:34	nt, measurement was not taken					
22/02/2000	7:00	583515	412434	0	7.6	21.7	
				1	7.6	21.7	
				2	7.6	21.7	
				3	7.6	21.7	
	7:02	end					
22/02/2000	7:30	583515	412434	0	7.6	21.7	
				1	7.6	21.7	
				2	7.6	21.7	
				3	7.6	21.7	
	7:32	end					



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date	time	Easting	Northing	depth	salinity	temp	comments
22/02/2000	8:13	583512	412434	0	7.5	21.5	
				1	7.5	21.5	
				2	7.5	21.6	
				3	7.5	21.6	
				4	7.6	21.6	
				5	7.6	21.6	
				6	7.6	21.6	
				7	7.6	21.6	
	8:17	end					
22/02/2000	8:36	583479	412469	0	7.5	21.6	
				1	7.5	21.6	
				2	7.5	21.6	
				3	7.5	21.6	
				4	7.5	21.6	
				5	7.5	21.6	
				6	7.6	22.0	
	8:38	end					
22/02/2000	9:00	583479	412469	0	7.3	21.8	
				1	7.5	21.6	
				2	7.5	21.6	
				3	7.5	21.6	
				4	7.5	21.6	
				5	7.5	21.6	
				6	7.6	22.0	
	9:02	end					
22/02/2000	9:32	583429	412469	0	7.5	22.8	
				1	7.5	21.7	
				2	7.5	21.6	
				3	7.5	21.6	
				4	7.5	21.6	
				5	7.5	21.6	
				6	7.5	21.6	
				7	7.5	21.6	
	9:34	end					
22/02/2000	10:00	583507	412512	0	7.5	21.7	
				1	7.5	21.7	
				2	7.5	21.7	
				3	7.5	21.7	
				4	7.5	21.7	
				5	7.5	21.7	
				6	7.5	21.7	
				7	7.5	21.7	
	10:04	end					
22/02/2000	10:30	583507	412512	0	7.5	21.7	
				1	7.5	21.7	
				2	7.5	21.8	
				3	7.5	21.7	
				4	7.5	21.7	
				5	7.5	21.7	
				6	7.5	21.6	
				7	7.5	21.6	

date	time	Easting	Northing	depth	salinity	temp	comments
	10:32	end					
22/02/2000	11:00	583507	412512	0	7.7	22.0	
				1	7.7	22.0	
				2	7.7	22.0	
				3	7.7	21.9	
				4	7.7	21.9	
				5	7.7	21.9	
				6	7.7	21.9	
				7	7.7	21.9	
	11:03	end					
22/02/2000	11:30	583507	412512	0	7.9	22.1	60 degr
				1	7.9	22.1	
				2	7.9	22.0	
				3	7.9	21.9	
				4	7.9	21.9	
				5	7.9	21.9	
				6	7.9	21.9	
				7	7.9	21.9	
				8	7.9	21.9	
				9	7.9	21.9	
	11:35	end					
22/02/2000	12:00	583507	412512	0	8.3	22.3	45 degr
				1	8.2	22.2	
				2	8.2	22.2	
				3	8.2	22.0	
				4	8.2	22.0	
				5	8.2	22.0	
				6	8.2	22.0	
				7	8.2	22.0	
				8	8.2	22.0	
	12:04	end					
22/02/2000	12:30	583507	412512	0	8.4	22.5	
				1	8.4	22.3	
				2	8.4	22.1	
				3	8.4	22.1	
				4	8.4	22.1	
				5	8.4	22.1	
				6	8.4	22.1	
				7	8.4	22.1	
				8	8.4	22.1	
	12:34	end					



Table 4

## Meghna Estuary Study (ICZM)

Salinity survey *during Neap tide* in the Bay of Bengal, Kuakata, Salinity Runline No. 5, south-east of Puber Char, east of Damar Char by LF325 Conductivity Meter

Date	Time	Name of Place	Easting	Northing	Depth	Salinity	Temp	Remarks
								measured from Anwasha
27/2/00	8:55	In the Bay of	650039	400043	0	26.7	21.9	instrument: LF325 conductivity
	8:56	Bengal			1	26.7	21.9	meter (Mobro Instrumentering)
	8:57				2	26.7	21.9	In the Bay of Bengal straight to
	9:30				0	26.0	21.9	the south of Sandwip
	9:31				1	26.0	21.9	
	10:00				0	24.3	22.0	
	10:02				1	24.4	21.9	
	10:30				0	23.7	22.2	
	10:32				1	23.8	22.0	
	11:00				0	23.8	22.2	
	11:02				1	24.0	21.9	
	11:04				2	25.3	21.9	
	11:30				0	24.4	22.1	
	11:31				1	24.5	22.3	
	11:32				2	24.5	22.2	
	12:00				0	24.0	22.7	
	12:01				1	24.2	22.5	
	12:30				0	23.7	22.8	
	12:31				1	23.8	22.7	
	12:32				2	24.9	22.0	
	12:33				3	25.8	21.9	
	13:00				0	23.7	22.8	
					1	23.8	22.7	
					2	23.9	22.6	
					3	24.5	22.2	
					4	25.4	21.9	
					5	25.8	21.9	
					6	26.2	21.9	
					7	26.5	21.9	
					8	26.8	21.9	
					9	27.0	22.0	
					10	27.1	22.0	
					11	27.6	22.2	
					12	27.6	22.3	
	13:04				13	27.6	22.3	
	13:30				0	23.6	23.0	
					1	23.9	22.9	
					2	23.9	22.7	
					3	25.0	22.1	
					4	25.7	21.9	
					5	26.1	21.9	
					6	26.4	21.9	
					7	27.1	22.0	
					8	27.3	22.0	
					9	27.5	22.1	
					10	27.7	22.2	
					11	27.7	22.3	
	1:34				12	27.8	22.3	
	2:00				0	23.9	22.8	
					1	24.0	22.8	
					2	24.0	22.8	
					3	24.7	22.0	
					4	25.5	21.8	
					5	25.4	21.9	
					6	26.9	21.9	
					7	27.2	22.0	
					8	27.4	22.0	
					9	27.5	22.1	
					10	27.6	22.2	
	2:07				11	27.7	22.3	
	2:30				0	24.3	22.8	
					1	24.2	22.8	
					2	24.4	22.5	



Table 4

## Meghna Estuary Study (ICZM)

Date	Time	Name of Place	Easting	Northing	Depth	Salinity	Temp	Remarks
					3	24.9	22.0	
	2:33				4	25.7	21.9	
	3:00				0	24.7	22.7	
					1	24.7	22.7	
					2	24.8	22.6	
					3	26.0	22.0	
	3:03				4	26.7	22.0	
	3:30				0	25.1	22.7	
					1	25.1	22.7	
					2	25.4	22.4	
					3	25.7	22.3	
					4	26.6	22.2	
	3:32				5	27.0	22.1	
	4:00				0	25.7	22.6	
					1	25.8	22.6	
					2	25.8	22.5	
	4:02				3	26.6	22.4	
	4:30				0	26.5	22.9	
					1	26.6	22.9	
					2	26.8	22.8	
	4:32				3	27.1	22.5	
	5:00				0	27.1	22.8	
					1	27.1	22.8	
					2	27.1	22.7	
					3	27.3	22.7	
	5:02				4	27.6	22.5	
	5:30				0	27.4	22.8	
					1	27.5	22.7	
					2	27.5	22.7	
					3	27.7	22.7	
	5:31				4	27.8	22.5	
	18:00				0	27.8	22.6	
					1	27.8	22.6	
					2	27.8	22.6	
					3	27.9	22.7	
					4	27.9	22.6	
					5	28.1	22.4	
					6	28.3	22.4	
					7	28.3	22.4	
					8	28.3	22.4	
					9	28.3	22.5	
					10	28.3	22.4	
					11	28.3	22.4	
					12	28.3	22.5	
					13	28.3	22.4	
	18:30				0	27.9	22.6	
					1	27.9	22.6	
					2	27.9	22.6	
					3	27.9	22.6	
					4	28.0	22.6	
					5	28.1	22.5	
					6	28.2	22.5	
					7	28.3	22.5	
					8	28.3	22.5	
					9	28.3	22.5	
					10	28.3	22.4	
					11	28.3	22.4	
					12	28.3	22.4	
	18:33				13	28.3	22.4	
	19:30				0	28.0	22.4	
					1	27.9	22.6	
					2	27.9	22.6	
					3	27.9	22.6	
					4	27.9	22.6	
					5	27.9	22.6	
					6	28.2	22.5	
					7	28.3	22.5	
					8	28.3	22.5	

Table 4

## Meghna Estuary Study (ICZM)

Date	Time	Name of Place	Easting	Northing	Depth	Salinity	Temp	Remarks
					9	28.3	22.4	
					10	28.3	22.4	
					11	28.2	22.4	
					12	28.2	22.4	
	20:00				0	27.8	22.4	
					1	27.8	22.5	
					2	27.8	22.5	
					3	27.8	22.5	
					4	27.8	22.5	
					5	27.9	22.5	
					6	28.1	22.5	
					7	28.1	22.5	
					8	28.1	22.4	
					9	28.1	22.4	
	20:03				10	28.1	22.4	
					11	28.1	22.4	
	20:30				0	27.5	22.4	
					1	27.4	22.4	
					2	27.5	22.5	
	20:32				3	27.6	22.6	
	21:00				0	27.1	22.3	
					1	27.1	22.4	
					2	27.1	22.4	
	21:03				3	27.1	22.4	
	21:30				0	26.7	22.3	
					1	26.7	22.3	
	21:32				2	27.1	22.5	
	22:00				0	25.9	22.0	
					1	25.9	22.0	
	22:30				0	25.2	21.9	
					1	25.2	22.0	
					2	24.9	21.9	
	23:00				0	24.9	21.9	
					1	24.9	21.9	
					2	24.9	21.9	
	23:30				0	24.9	21.9	
					1	24.8	21.9	
					2	24.8	22.0	
28/2/00	0:00	In the Bay of Bengal	650039	400043	0	25.0	22.0	
					1	24.9	22.1	
					2	24.9	22.1	
	0:30				0	24.8	22.0	
					1	24.8	22.0	
					2	24.8	22.0	
					3	26.2	22.2	
	0:32				4	26.6	22.1	
	1:00				0	24.9	22.0	
					1	24.9	22.0	
					2	26.0	22.2	
					3	26.4	22.1	
					4	26.5	22.1	
					5	26.7	22.1	
					6	26.8	22.1	
					7	26.9	22.1	
					8	27.1	22.1	
					9	27.3	22.1	
					10	27.3	22.1	
					11	27.4	22.1	
					12	27.4	22.2	

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Table 4

Meghna Estuary Study (ICZM)

Date	Time	Name of Place	Easting	Northing	Depth	Salinity	Temp	Remarks
					13	27.4	22.2	
	1:30				0	24.8	22.0	
					1	25.2	22.0	
					2	26.0	22.2	
					3	26.4	22.2	
					4	26.5	22.1	
					5	26.8	22.1	
					6	27.0	22.0	
					7	27.1	22.0	
					8	27.2	22.1	
					9	27.2	22.1	
					10	27.4	22.2	
					11	27.5	22.2	
	1:33				12	27.5	22.2	
	2:00				0	24.6	21.9	
					1	24.8	22.0	
					2	25.5	22.2	
					3	25.9	22.2	
					4	26.8	22.1	
					5	26.9	22.1	
					6	27.1	22.1	
					7	27.1	22.0	
					8	27.2	22.1	
					9	27.3	22.1	
					10	27.5	22.2	
					11	27.5	22.2	
					12	27.5	22.2	
	2:30				0	24.6	21.6	
					1	24.5	21.9	
					2	25.5	22.2	
					3	26.4	22.1	
					4	26.5	22.1	
					5	26.8	22.1	
					6	27.1	22.1	
					7	27.2	22.1	
					8	27.3	22.2	
					9	27.5	22.1	
					10	27.5	22.2	
					11	27.6	22.2	
					12	27.6	22.2	
	2:34				13	27.6	22.2	
	3:00				0	24.6	21.8	
					1	24.6	21.9	
					2	25.5	22.2	
					3	26.1	22.1	
					4	26.5	22.1	
					5	26.9	22.1	
					6	27.1	22.1	
					7	27.3	22.2	
					8	27.5	22.2	
					9	27.6	22.2	
					10	27.7	22.3	
	3:04				11	27.7	22.2	
	3:30				0	24.6	21.7	
					1	24.6	21.8	
					2	24.5	22.2	
					3	25.5	22.1	
					4	26.5	22.1	
					5	26.9	22.1	
	3:32				6	27.3	22.2	
	4:00				0	25.0	21.9	
					1	24.9	21.9	



Table 4

## Meghna Estuary Study (ICZM)

Date	Time	Name of Place	Easting	Northing	Depth	Salinity	Temp	Remarks
					2	24.9	22.0	
					3	26.8	22.1	
	4:02				4	27.3	22.2	
	4:30				0	25.1	21.7	
					1	25.1	21.8	
					2	25.1	21.9	
					3	25.2	22.0	
					4	25.7	22.3	
					5	26.8	22.4	
	5:00				0	25.1	21.8	
					1	25.1	21.9	
					2	25.2	21.9	
					3	25.7	22.0	
					4	26.2	22.2	
					5	27.3	22.2	
					6	27.8	22.3	
					7	28.0	22.3	
	5:02				8	28.0	22.4	
	5:30				0	25.3	21.8	
					1	25.3	21.8	
					2	25.3	21.9	
					3	25.5	21.9	
					4	26.8	22.0	
					5	27.3	22.2	
					6	27.9	22.3	
					7	28.0	22.4	
	5:33				8	28.1	22.4	
	6:00				0	25.3	21.6	
					1	25.3	21.7	
					2	25.3	21.8	
					3	26.3	22.0	
					4	27.2	22.2	
					5	27.8	22.3	
					6	28.1	22.4	
					7	28.2	22.4	
					8	28.2	22.4	
					9	28.2	22.4	
					10	28.2	22.4	
	6:05				11	28.2	22.4	
	6:30				0	25.3	21.5	
					1	25.2	21.7	
					2	25.2	21.6	
					3	25.5	21.8	
					4	26.0	22.0	
					5	27.9	22.3	
					6	28.1	22.4	
					7	28.2	22.4	
					8	28.2	22.4	
					9	28.2	22.4	
					10	28.2	22.4	
	7:00				0	25.1	21.0	
					1	25.2	21.7	
					2	25.3	21.6	
					3	25.5	22.0	
					4	26.0	22.4	
					5	27.0	22.4	
					6	27.0	22.4	
					7	28.2	22.4	
					8	28.2	22.4	
					9	28.2	22.4	
	8:00				0	24.6	21.9	

Table 4

## Meghna Estuary Study (ICZM)

Date	Time	Name of Place	Easting	Northing	Depth	Salinity	Temp	Remarks
					1	24.6	21.9	
					2	25.3	22.0	
					3	25.9	22.0	
					4	26.0	22.1	
	8:30				0	24.6	21.9	
					1	24.6	21.9	
					2	25.3	22.0	
					3	26.3	22.1	
					4	27.3	22.1	
	9:00				0	24.7	22.0	
					1	24.8	22.0	
					2	25.3	22.0	
					3	26.3	22.0	
					4	27.0	22.1	
	8:30				0	24.6	21.9	
					1	24.6	21.9	
					2	25.3	22.0	
					3	26.3	22.1	
					4	27.3	22.1	
	9:00				0	24.7	22.0	
					1	24.8	22.0	
					2	25.3	22.0	
					3	26.6	22.0	
	10:00				0	24.9	22.3	
	10:30				0	25.0	22.4	
	11:00				0	25.0	22.6	
	11:30				0	25.1	22.7	
	12:00				0	25.0	23.0	
	12:30				0	25.1	23.0	
	13:00				0	24.8	23.0	
	13:30				0	24.3	22.8	
					1	24.5	22.7	
					2	25.4	22.4	
2/3/00	5:47		538179	400738	0	15.3	23.7	Stray profile
					1	15.3	23.7	
					2	16.1	23.8	
					3	16.2	23.8	
					4	16.2	23.8	
					5	16.3	23.9	
1/3/00	10:07		538150	400733	0	18.5	23.8	Stray profile
					1	18.4	23.8	
					2	18.4	23.8	
					3	18.6	23.8	
					4	18.1	23.9	
					5	18.7	23.9	
	10:10				6	18.7	23.9	
7/3/00	23:15		538176	400726	0	17.1	23.5	Stray profile
					1	17.1	23.5	
					2	17.0	23.6	
					3	17.9	23.7	
					4	17.9	23.7	
					5	18.4	23.8	
					6	18.5	23.8	
8/3/00	0:00:00				0	16.9	23.5	
					1	16.9	23.5	
					2	16.8	23.6	
					3	16.9	23.6	
					4	17.1	23.6	
					5	17.3	23.6	
	0:05				6	17.7	23.6	

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**Table 4**

**Meghna Estuary Study (ICZM)**

Date	Time	Name of Place	Easting	Northing	Depth	Salinity	Temp	Remarks
2/3/00	16:00	KUAKATA	515620	406192	0	16.0	24.7	Measured at about 4 km south of
					1	16.0	24.7	KUAKATA with LF325
					2	16.1	24.6	
					3	16.2	24.5	
	16:30				0	16.1	24.6	
					1	16.1	24.5	
					2	16.2	24.5	
					3	16.3	24.3	
	17:05				0	17.1	24.3	
					1	16.8	24.2	
					2	16.3	24.2	
					3	16.5	24.2	
	17:30				0	17.2	24.4	
					1	17.2	24.4	
					2	17.2	24.4	
					3	17.2	24.3	
	18:00				0	17.4	24.7	
					1	17.4	24.7	
					2	17.4	24.7	
					3	17.4	24.7	
	18:30				0	17.5	24.6	
					1	17.6	24.7	
					2	17.5	24.7	
					3	17.5	24.7	
	19:00				0	17.8	24.7	
					1	17.8	24.7	
					2	17.8	24.6	
					3	17.8	24.6	
	19:30				0	17.9	24.7	
					1	17.9	24.7	
					2	17.9	24.7	
					3	17.9	24.7	
	20:25				0	17.9	24.6	
					1	17.9	24.6	
					2	17.9	24.6	
					3	17.9	24.6	
	21:00				0	17.1	24.6	
					1	17.4	24.6	
					2	17.6	24.6	
					3	17.6	24.6	
					4	17.6	24.6	
					5	17.2	24.6	
	21:30				0	17.6	24.7	
					1	17.6	24.6	
					2	17.7	24.6	
					3	17.7	24.6	
					4	17.7	24.6	
					5	17.8	24.7	
	22:00				0	18.1	24.7	
					1	18.1	24.7	
					2	18.2	24.7	
					3	18.2	24.7	
					4	18.1	24.7	
	22:30				0	18.1	24.7	
					1	18.0	24.7	
					2	18.0	24.7	
					3	18.0	24.7	
	23:00				0	17.7	24.7	



Table 4

## Meghna Estuary Study (ICZM)

Date	Time	Name of Place	Easting	Northing	Depth	Salinity	Temp	Remarks
					1	17.7	24.7	
					2	17.8	24.7	
					3	17.9	24.7	
	23:30				0	17.8	24.7	
					1	17.6	24.7	
					2	17.6	24.7	
					3	17.6	24.7	
	0:00				0	17.6	24.7	
					1	17.6	24.7	
					2	17.6	24.7	
					3	17.7	24.7	
3/3/00	3:08	Kuakata	515607	406189	0	15.0	24.4	
					1	15.1	24.4	
					2	15.1	24.4	
					3	16.5	24.6	
					4	16.7	24.6	
	4:05				0	17.2	24.4	
					1	17.2	24.4	
					2	17.3	24.4	
					3	17.3	24.5	
	5:00				0	16.6	24.3	
					1	16.6	24.3	
					2	16.5	24.3	
					3	16.7	24.3	
	6:00				0	16.8	24.4	
					1	16.8	24.4	
					2	16.9	24.4	
					3	16.9	24.4	
	6:30				0	16.9	24.4	
					1	16.9	24.4	
					2	16.9	24.5	
					3	16.9	24.5	
	7:00				0	16.8	24.4	
					1	16.8	24.4	
					2	16.8	24.4	
					3	16.8	24.4	
	7:30				0	16.6	24.4	
					1	16.6	24.4	
					2	16.5	24.4	
					3	16.6	24.4	
	8:00				0	16.9	24.4	
					1	16.9	24.5	
					2	16.8	24.4	
					3	16.9	24.4	
	8:30				0	16.8	24.5	
					1	16.8	24.5	
					2	16.8	24.4	
					3	16.8	24.4	
	9:00				0	18.9	24.7	
					1	18.9	24.6	
					2	18.9	24.6	
					3	18.9	24.6	
	9:30				0	17.1	24.6	
					1	17.1	24.6	
					2	17.1	24.6	
					3	17.1	24.6	
	10:00				0	17.3	24.7	
					1	17.3	24.7	
					2	17.3	24.7	
					3	17.3	24.7	
	10:30				0	17.3	24.7	
					1	17.3	24.7	
					2	17.3	24.7	
					3	17.3	24.7	
	11:00				0	16.9	25.4	
					1	16.9	25.4	
					2	16.9	25.3	

Table 4

## Meghna Estuary Study (ICZM)

Date	Time	Name of Place	Easting	Northing	Depth	Salinity	Temp	Remarks
					3	16.9	25.3	
	11:30				0	16.2	25.2	
					1	16.2	25.0	
					2	16.2	24.7	
					3	16.3	24.6	
	12:30				0	16.3	25.2	
					1	16.3	25.2	
					2	16.2	24.9	
					3	16.2	24.9	
	13:00				0	16.2	25.6	
					1	16.2	25.5	
					2	16.2	25.5	
					3	16.2	25.4	
	13:30				0	16.3	25.5	
					1	16.3	25.4	
					2	16.3	25.4	
					3	16.3	25.4	
	14:12				0	16.3	25.4	
					1	16.2	25.4	
					2	16.2	25.4	
					3	16.2	25.4	
	14:30				0	16.2	25.1	
					1	16.2	25.1	
					2	16.2	25.1	
					3	16.2	25.1	
	15:00				0	16.1	25.1	
					1	16.1	25.1	
					2	16.1	25.1	
					3	16.1	25.1	
					4	16.2	25.1	
	15:30				0	16.4	25.1	
					1	16.4	25.1	
					2	16.5	25.0	
					3	16.5	25.0	
	16:00				0	16.6	25.2	
					1	16.6	25.2	
					2	16.5	25.1	
					3	16.5	25.1	
	16:30				0	16.5	25.2	
					1	16.6	24.9	
					2	16.6	24.9	
					3	16.6	24.9	
	17:00				0	16.5	25.2	
					1	16.3	25.2	
					2	16.3	25.2	
					3	16.3	25.2	
	17:30				0	16.4	25.2	
					1	16.4	25.2	
					2	16.4	25.1	
					3	16.4	25.0	
	18:00				0	16.5	25.0	
					1	16.5	25.0	
					2	16.5	25.0	
					3	16.5	25.0	
	18:30				0	17.4	25.4	
					1	17.5	25.4	
					2	17.4	25.4	
					3	17.4	25.4	
	19:00				0	17.6	25.4	
					1	17.7	25.4	
					2	17.7	25.4	
					3	17.7	25.4	
	19:30				0	17.9	25.4	
					1	17.9	25.4	
					2	17.9	25.4	
					3	17.9	25.4	
					4	17.9	25.4	
	20:00				0	17.9	24.3	

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Table 4

Meghna Estuary Study (ICZM)

Date	Time	Name of Place	Easting	Northing	Depth	Salinity	Temp	Remarks
					1	17.9	24.3	
					2	17.9	24.3	
					3	17.9	24.3	
	20:30				0	18.0	25.3	
					1	18.0	25.3	
					2	18.0	25.3	
					3	18.0	25.3	
					4	18.0	25.3	
	21:00				0	18.0	25.3	
					1	18.0	25.3	
					2	18.1	25.3	
					3	18.1	25.3	
					4	18.1	25.3	
	22:00				0	17.8	25.2	
					1	17.9	25.2	
					2	17.9	25.2	
					3	17.9	25.2	
	23:00				0	18.5	25.3	
					1	18.5	25.3	
					2	18.5	25.3	
					3	18.5	25.3	
	24:00:00				0	18.2	25.3	
					1	18.2	25.3	
					2	18.1	25.3	
					3	18.2	25.3	
					4	18.2	25.4	
4/3/00	1:00				0	16.6	25.0	
					1	16.6	25.0	
					2	16.6	25.0	
					3	17.3	25.2	
					4	17.4	25.2	
	2:00				0	16.2	24.9	
					1	16.2	24.9	
					2	16.2	24.9	
					3	16.4	25.0	
					4	16.5	25.0	
	3:00				0	15.0	24.7	
					1	15.2	24.7	
					2	16.0	25.0	
					3	17.0	25.1	
	4:00				0	16.3	24.9	
					1	16.2	24.9	
					2	16.2	24.9	
					3	16.3	25.0	
	5:00				0	15.3	24.9	
					1	15.2	24.9	
					2	15.3	24.9	
					3	15.3	24.9	
	6:00				0	15.7	24.9	
					1	16.1	24.9	
					2	16.6	25.0	
					3	16.6	25.1	
	6:30				0	16.7	25.0	
					1	16.6	25.0	
					2	16.6	25.0	
					3	16.6	25.0	
	7:00				0	16.6	25.0	
					1	16.6	24.9	
					2	16.6	24.9	
					3	16.6	24.9	
	7:30				0	17.3	25.0	
					1	17.3	25.0	
					2	17.3	25.0	
					3	17.3	25.0	
	8:00				0	17.3	24.9	
					1	17.3	25.0	
					2	17.2	25.0	
					3	17.2	25.0	



Table 4

## Meghna Estuary Study (ICZM)

Date	Time	Name of Place	Easting	Northing	Depth	Salinity	Temp	Remarks
	8:30				0	17.6	25.0	
					1	17.6	25.0	
					2	17.6	25.0	
					3	17.6	25.0	
	9:00				0	17.5	25.0	
					1	17.5	25.0	
					2	17.5	25.0	
					3	17.5	25.0	
	11:00	Kuakata	503317	415496	0	17.3	26.1	
					1	17.3	26.0	
					2	17.3	25.9	
					3	17.3	25.9	
					4	17.5	25.9	
	11:30				0	17.3	26.1	
					1	17.3	26.1	
					2	17.3	25.9	
					3	17.3	25.5	
					4	17.6	25.5	
	12:00				0	17.2	26.6	
					1	17.2	26.5	
					2	17.2	26.4	
					3	17.2	26.2	
					4	17.3	26.2	
	12:30				0	17.3	25.9	
					1	17.3	25.8	
					2	17.3	25.6	
					3	17.6	25.4	
					4	17.7	25.4	
					5			
	16:30		532110	403040	0	14.7	25.3	eastings and northings were
					1	14.7	25.3	given by JOO from records
					2	14.7	25.3	
					3	14.8	25.3	
					4	14.8	25.3	
					5	14.8	25.3	
	16:45		527640	405279	0	10.9	25.0	eastings and northings were
					1	10.9	25.0	given by JOO from records
					2	11.1	25.0	
					3	11.2	25.0	
					4	11.2	25.0	
					5	11.2	25.0	
					6	11.2	25.0	
	16:55		523170	407510	0	12.1	26.0	eastings and northings were
					1	12.1	26.0	given by JOO from records
					2	12.1	26.0	
	17:10		518700	409750	0	11.7	25.5	eastings and northings were
					1	11.7	25.5	given by JOO from records
					2	11.8	25.5	
					3	11.9	25.6	
4/3/00	19:00	Kuakata	516950	405999	0	17.0	25.8	
					1	17.1	25.9	
					2	17.1	25.9	
					3	17.2	25.9	
	19:30				0	17.3	25.8	
					1	17.2	25.8	
					2	17.2	25.8	
					3	17.2	25.8	
	20:00				0	18.0	25.9	
					1	18.1	25.9	
					2	18.1	25.9	
					3	18.1	25.9	
	20:30				0	18.6	25.9	
					1	18.7	25.9	
					2	18.7	25.9	
					3	18.7	25.9	
	21:00				0	18.5	25.8	
					1	18.5	25.8	
					2	18.5	25.8	

Table 4

## Meghna Estuary Study (ICZM)

Date	Time	Name of Place	Easting	Northing	Depth	Salinity	Temp	Remarks
					3	18.5	25.8	
	22:00				0	18.8	25.7	
					1	18.8	25.7	
					2	18.8	25.7	
					3	18.8	25.7	
	23:00				0	18.8	25.6	
					1	18.8	25.6	
					2	18.8	25.6	
					3	18.8	25.6	
	0:00				0	19.0	25.6	
					1	19.0	25.6	
					2	19.0	25.7	
					3	19.0	25.7	
5/3/00	3:00	Kuakata	516950	405999	0	18.6	25.4	
					1	18.6	25.4	
					2	18.5	25.4	
					3	18.5	25.4	
	4:00				0	18.7	25.3	
					1	18.7	25.3	
					2	18.6	25.3	
					3	18.6	25.3	
	5:00				0	17.7	25.3	
					1	17.7	25.2	
					2	17.6	25.2	
	6:00				0	16.8	25.2	
					1	16.8	25.2	
					2	16.7	25.2	
					3	16.7	25.2	
05/03/00	9:55	Salinity	536590	400710	1	20.0	25.2	Salinity was measured with
		Run			2	20.0	25.0	LF235 instrument
		Line			3	20.0	25.0	
		No. 05			4	20.0	24.9	
					5	20.0	24.9	
					6	20.0	24.9	
					7	20.0	24.9	
	10:30		545530	396325	0	17.9	25.3	
					1	18.2	25.1	
					2	18.2	25.0	
					3	18.5	25.1	
					4	18.5	25.1	
					5	18.5	25.1	
					6	18.5	25.0	
					7	18.5	25.0	
	11:10		554470	391860	0	20.9	25.4	
					1	20.8	25.3	
					2	20.7	25.2	
					3	20.8	25.1	
					4	20.7	25.1	
					5	20.7	25.1	
	11:50		563420	387390	0	18.3	25.7	
					1	18.2	25.5	
					2	18.3	25.3	
					3	18.2	25.2	
					4	18.2	25.0	
					5	18.4	24.9	
					6	18.6	24.9	
					7	19.2	24.7	
	12:25		572360	382920	0	22.2	25.8	
					1	22.2	25.7	
					2	22.1	25.6	
					3	22.2	25.2	
					4	22.2	25.2	
					5	22.4	25.1	
					6	22.3	25.1	
					7	22.3	25.1	
	13:00		581300	378450	0	24.3	25.8	
					1	24.3	25.8	
					2	24.2	25.5	

Table 4

Meghna Estuary Study (ICZM)

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Date	Time	Name of Place	Easting	Northing	Depth	Salinity	Temp	Remarks
					3	24.5	25.0	
					4	24.7	24.9	
					5	24.7	24.9	
					6	24.7	24.9	
					7	24.7	24.9	
	13:40		590250	373970	0	23.2	25.1	
					1	23.2	25.1	
					2	23.2	25.1	
					3	23.1	25.0	
					4	23.1	24.8	
					5	23.1	24.8	
					6	23.0	24.7	
					7	23.0	24.6	
05/03/00	17:30	South-East	586568	412459	0	10.0	24.2	
		of			1	10.0	24.2	
		Puber Char			2	10.0	24.2	
					3	10.0	24.1	
	18:00				0	9.9	24.1	
					1	9.9	24.1	
					2	9.9	24.1	
					3	9.9	24.1	
	19:00				0	9.5	24.2	
					1	9.6	24.0	
					2	9.6	24.0	
					3	9.6	24.0	
	20:40				0	10.0	24.0	
					1	10.0	24.0	
					2	9.9	24.0	
					3	9.9	24.0	
	21:00				0	10.0	24.0	
					1	10.0	24.0	
					2	10.0	24.0	
					3	10.0	24.0	
	22:00				0	10.8	24.3	
					1	10.9	24.3	
					2	10.9	24.3	
					3	10.9	24.3	
					4	10.9	24.3	
					5	10.9	24.3	
	23:00				0	11.2	24.2	
					1	10.9	24.3	
					2	10.9	24.3	
					3	10.9	24.3	
					4	10.9	24.3	
					5	10.9	24.3	
06/03/00	0:00		586568	412459	0	11.3	24.3	
					1	11.0	24.3	
					2	11.1	24.3	
					3	11.2	24.4	
					4	11.2	24.4	
					5	11.8	24.3	
	1:00				0	11.3	24.4	
					1	11.3	24.4	
					2	11.3	24.4	
					3	11.3	24.5	
					4	11.5	24.5	
					5	11.7	24.6	
					6	11.8	24.7	
					7	11.8	24.7	
	2:00				0	11.4	24.4	
					1	11.4	24.5	
					2	11.4	24.5	
					3	11.7	24.6	
					4	11.8	24.6	
					5	11.9	24.7	
					6	11.9	24.7	
					7	11.9	24.7	
	3:00				0	11.2	24.5	



Table 4

## Meghna Estuary Study (ICZM)

Date	Time	Name of Place	Easting	Northing	Depth	Salinity	Temp	Remarks
					1	11.2	24.5	
					2	11.2	24.5	
					3	11.2	24.5	
					4	11.2	24.5	
					5	11.2	24.4	
					6	11.3	24.5	
					7	11.4	24.5	
	4:00				0	10.7	24.3	
					1	10.7	24.3	
					2	10.6	24.3	
					3	10.6	24.3	
					4	10.8	24.3	
	5:00				0	10.2	24.0	
					1	10.2	24.0	
					2	10.1	24.0	
					3	10.3	24.0	
					4	10.3	24.0	
	6:00				0	10.1	24.0	
					1	10.2	24.0	
					2	10.2	23.9	
					3	10.2	23.9	
					4	10.3	23.9	
06/03/00	15:00	East of	617591	438892	0	11.0	25.6	
		Damar Char			1	11.0	25.5	
					2	11.0	25.5	
					3	11.0	25.5	
	16:00				0	11.9	25.2	
					1	11.9	25.2	
					2	11.9	25.2	
					3	11.9	25.2	
	17:00				0	12.5	25.4	
					1	12.5	25.4	
					2	12.5	25.4	
					3	12.4	25.4	
	18:00				0	12.8	25.5	
					1	12.6	25.5	
					2	12.5	25.4	
					3	12.5	25.4	
	20:00		617584	438893	0	12.2	25.8	
					1	12.2	25.8	
					2	12.2	25.8	
					3	12.2	25.8	
	21:00				0	13.7	25.4	
					1	13.0	25.4	
					2	12.9	24.7	
	22:00				0	12.4	24.7	
					1	13.2	24.7	
					2	13.2	24.7	
	23:00				0	12.7	24.6	
					1	12.7	24.7	
					2	12.7	24.7	
					3	12.7	24.6	
	0:00				0	11.5	25.1	
					1	11.6	25.1	
					2	11.6	25.1	
					3	11.7	25.1	
07/03/00	3:00	East of Damar	617584	438893	0	11.3	25.4	
		Char			1	11.3	25.4	
					2	11.2	25.4	
					3	11.2	25.4	
	4:00				0	12.2	24.8	
					1	12.3	24.7	
					2	12.5	24.7	
					3	12.5	24.7	
					0	12.8	24.7	
					1	12.8	24.7	
					2	12.8	24.8	
					3	12.8	24.8	

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Table 4

Meghna Estuary Study (ICZM)

Date	Time	Name of Place	Easting	Northing	Depth	Salinity	Temp	Remarks
	7:00		617584	438893	0	12.2	25.0	
					1	12.3	25.0	
					2	12.7	24.9	
					3	12.6	24.9	
	8:00				0	12.5	25.0	
					1	12.5	25.0	
					2	12.7	24.9	
					3	13.4	24.7	
					4	13.3	24.7	
	9:00				0	13.4	24.7	
					1	13.4	24.7	
					2	13.4	24.7	
					3	13.5	24.7	
					4	13.7	24.6	
	10:00				0	13.1	26.2	
					1	13.1	26.1	
					2	13.1	25.5	
					3	13.1	25.5	
	11:00				0	13.7	26.0	
					1	17.7	25.8	
					2	13.7	25.2	
					3	13.7	25.2	
	12:00				0	12.8	25.4	
					1	12.8	25.4	
					2	12.9	25.1	
					3	12.8	25.2	
					4	12.8	25.3	
	13:00				1	11.5	25.9	
					2	11.5	25.8	
					3	11.7	25.9	
					4	11.7	25.9	
	14:00				1	11.9	25.1	
					2	11.9	25.0	
					3	11.9	25.0	
					4	11.9	25.0	
	15:00				0	11.5	25.1	
					1	11.5	25.1	
					2	11.7	25.5	
					3	11.7	25.5	
	16:00				0	11.5	25.0	
					1	11.7	25.0	
					2	11.7	25.0	
					3	11.7	25.0	
	17:00				0	13.6	25.2	
					1	13.5	25.1	
					2	13.8	25.1	
					3	13.8	25.1	
	18:00				0	12.7	26.1	
					1	12.7	26.0	
					2	12.8	26.0	
					3	13.0	25.9	
	19:00				0	12.9	25.9	
					1	12.9	25.9	
					2	13.1	25.8	
					3	14.3	24.9	
					4	14.0	24.8	
	20:00				0	13.8	25.1	
					1	13.7	25.1	
					2	13.7	25.2	
	21:00				0	13.8	25.1	
					1	13.7	25.1	
					2	13.7	25.1	
					3	13.7	25.1	
	22:00				0	13.8	25.1	
					1	13.8	25.1	
					2	13.8	25.1	
					3	13.7	25.1	
	23:00				0	13.7	25.1	

Table 4

## Meghna Estuary Study (ICZM)

Date	Time	Name of Place	Easting	Northing	Depth	Salinity	Temp	Remarks
					1	13.7	25.1	
					2	13.7	25.1	
08/03/00	0:00		617584	438893	0	12.2	25.5	
					1	11.2	25.5	
					2	12.2	25.4	
					3	12.2	25.4	
	1:00				0	11.8	25.4	
					1	11.8	25.5	
					2	11.8	25.5	
					3	11.8	25.5	
	2:00				0	11.8	25.4	
					1	11.7	25.4	
					2	11.7	25.4	
					3	11.7	25.4	
	3:00				0	11.5	25.4	
					1	11.5	25.4	
					2	11.5	25.5	
					3	11.5	25.5	
	4:00				0	11.5	25.6	
					1	11.6	25.6	
					2	11.6	25.6	
					3	11.5	25.6	
					4	11.6	25.6	
	5:00				0	13.8	24.9	
					1	13.8	24.9	
					2	13.8	24.9	
					3	13.8	24.9	
					4	13.9	24.9	
	7:00	Far away to the	616170	430200	0	14.4	24.8	
		southeast of			1	14.5	24.8	
		Damar Char			2	14.4	24.8	
	8:00				0	14.3	24.9	
					1	14.3	25.0	
					2	14.3	25.0	
	9:00				0	13.8	25.4	
					1	13.8	25.4	
					2	13.7	25.3	
	10:00				0	13.1	25.8	
					1	13.1	25.8	
					2	13.1	25.8	
	11:00				0	12.8	26.1	
					1	12.8	26.1	
					2	12.8	26.1	
	12:00				0	13.2	27.0	
					1	13.2	27.0	
					2	13.5	25.8	
					3	13.3	25.5	
	13:00				0	12.6	26.1	
					1	12.7	26.2	
					2	12.7	26.2	
					3	12.7	26.1	
	14:00				0	13.0	26.1	
					1	13.1	26.1	
					2	13.1	26.1	
					3	13.1	26.1	
	15:00				0	11.9	26.2	
					1	11.9	26.2	
					2	12.0	26.2	
					3	12.0	26.1	
	16:00				0	11.5	26.3	
					1	11.5	26.3	
					2	11.6	26.3	
					3	11.6	26.3	
					4	11.6	26.3	
	18:00	Far away to the	618737	425111	0	14.0	25.3	
		southeast of			1	14.0	25.3	
		Damar Char			2	13.9	25.2	
	19:00	Far away to the	617631	425113	0	13.7	25.3	



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Table 4

## Meghna Estuary Study (ICZM)

Date	Time	Name of Place	Easting	Northing	Depth	Salinity	Temp	Remarks
		southeast of			1	13.7	25.3	
		Damar Char			2	13.8	25.3	
	20:00				0	14.5	25.0	
					1	14.5	25.0	
					2	14.4	25.0	
					3	13.6	25.0	
	21:00				0	14.4	25.0	
					1	14.4	25.0	
					2	14.0	25.0	
					3	13.7	24.9	
	22:00				0	15.7	25.0	
					1	15.7	25.0	
					2	15.7	25.0	
	23:00				0	15.7	25.0	
					1	15.6	25.0	
					2	15.6	25.1	
					3	15.6	25.1	
09/03/00	0:00		617631	425113	0	14.8	25.1	
					1	14.8	25.1	
					2	14.8	25.1	
	1:00				0	13.5	25.1	
					1	13.5	25.1	
					2	13.8	25.1	
					3	13.7	25.1	
	2:00				0	13.3	25.2	
					1	13.3	25.1	
					2	13.4	25.1	
					3	13.3	25.1	
	3:00				0	13.0	25.2	
					1	13.0	25.2	
					2	13.0	25.2	
					3	13.0	25.2	
					4	13.2	25.2	
	4:00				0	12.8	25.2	
					1	12.8	25.2	
					2	12.8	25.2	
					3	13.5	25.1	
	5:00				0	11.5	25.1	
					1	12.5	25.2	
					2	12.3	25.2	

