

**Quarterly Assessment of Construction Impacts on SS**

Significant difference between the quarterly mean and 1.3 times of the ambient mean (Lower-tailed t-test)

Baseline Results (DA)							Impact Monitoring Results (DA)						
STN	DATE	TIDE	SS	DATE	TIDE	SS	STN	DATE	TIDE	SS	DATE	TIDE	SS
C1	06-Feb-03	Mid-Ebb	3.2	06-Feb-03	Mid-Flood	4.0	C1	01-Aug-05	MID-EBB	3.6	01-Aug-05	MID-FLOOD	4.1
C1	08-Feb-03	Mid-Ebb	6.0	08-Feb-03	Mid-Flood	3.7	C1	03-Aug-05	MID-EBB	3.7	03-Aug-05	MID-FLOOD	4.2
C1	10-Feb-03	Mid-Ebb	2.2	10-Feb-03	Mid-Flood	2.8	C1	05-Aug-05	MID-EBB	4.4	05-Aug-05	MID-FLOOD	5.7
C1	14-Feb-03	Mid-Ebb	4.0	14-Feb-03	Mid-Flood	6.7	C1	08-Aug-05	MID-EBB	4.0	08-Aug-05	MID-FLOOD	4.1
C1	18-Feb-03	Mid-Ebb	4.8	17-Feb-03	Mid-Flood	11.0	C1	10-Aug-05	MID-EBB	5.5	10-Aug-05	MID-FLOOD	6.3
C1	19-Feb-03	Mid-Ebb	5.5	19-Feb-03	Mid-Flood	8.7	C1	12-Aug-05	MID-EBB	3.0	12-Aug-05	MID-FLOOD	2.6
C1	21-Feb-03	Mid-Ebb	6.2	21-Feb-03	Mid-Flood	7.3	C1	15-Aug-05	MID-EBB	2.6	15-Aug-05	MID-FLOOD	3.0
C1	24-Feb-03	Mid-Ebb	6.3	24-Feb-03	Mid-Flood	4.8	C1	17-Aug-05	MID-EBB	4.2	17-Aug-05	MID-FLOOD	4.8
C1	28-Feb-03	Mid-Ebb	5.0	28-Feb-03	Mid-Flood	6.8	C1	19-Aug-05	MID-EBB	4.8	19-Aug-05	MID-FLOOD	5.7
C1	03-Mar-03	Mid-Ebb	6.8	03-Mar-03	Mid-Flood	9.8	C1	22-Aug-05	MID-EBB	4.0	22-Aug-05	MID-FLOOD	3.8
C1	05-Mar-03	Mid-Ebb	5.8	05-Mar-03	Mid-Flood	7.8	C1	24-Aug-05	MID-EBB	4.8	24-Aug-05	MID-FLOOD	5.6
C1	07-Mar-03	Mid-Ebb	7.2	07-Mar-03	Mid-Flood	8.2	C1	26-Aug-05	MID-EBB	3.8	26-Aug-05	MID-FLOOD	3.5
C1	10-Mar-03	Mid-Ebb	6.3	10-Mar-03	Mid-Flood	6.2	C1	29-Aug-05	MID-EBB	6.3	29-Aug-05	MID-FLOOD	4.5
C1	17-Mar-03	Mid-Ebb	8.7	17-Mar-03	Mid-Flood	7.0	C1	31-Aug-05	MID-EBB	5.0	31-Aug-05	MID-FLOOD	4.8
C1	19-Mar-03	Mid-Ebb	8.3	19-Mar-03	Mid-Flood	10.0	C1	02-Sep-05	MID-EBB	4.7	02-Sep-05	MID-FLOOD	4.5
C1	22-Mar-03	Mid-Ebb	8.3	22-Mar-03	Mid-Flood	10.0	C1	05-Sep-05	MID-EBB	4.9	05-Sep-05	MID-FLOOD	3.7
C1	24-Mar-03	Mid-Ebb	6.0	24-Mar-03	Mid-Flood	5.3	C1	07-Sep-05	MID-EBB	5.1	07-Sep-05	MID-FLOOD	5.2
C1	26-Mar-03	Mid-Ebb	6.0	27-Mar-03	Mid-Flood	5.0	C1	09-Sep-05	MID-EBB	5.7	09-Sep-05	MID-FLOOD	6.1
C1	31-Mar-03	Mid-Ebb	8.3	31-Mar-03	Mid-Flood	6.3	C1	12-Sep-05	MID-EBB	6.1	12-Sep-05	MID-FLOOD	5.8
C1	02-Apr-03	Mid-Ebb	6.7	02-Apr-03	Mid-Flood	6.3	C1	14-Sep-05	MID-EBB	6.4	14-Sep-05	MID-FLOOD	7.3
C1	04-Apr-03	Mid-Ebb	7.3	04-Apr-03	Mid-Flood	6.7	C1	16-Sep-05	MID-EBB	5.2	16-Sep-05	MID-FLOOD	6.4
C1	07-Apr-03	Mid-Ebb	5.0	07-Apr-03	Mid-Flood	6.0	C1	20-Sep-05	MID-EBB	7.7	20-Sep-05	MID-FLOOD	8.9
C1	09-Apr-03	Mid-Ebb	5.3	09-Apr-03	Mid-Flood	5.7	C1	22-Sep-05	MID-EBB	6.7	22-Sep-05	MID-FLOOD	8.0
C1	14-Apr-03	Mid-Ebb	5.3	14-Apr-03	Mid-Flood	5.0	C1	26-Sep-05	MID-EBB	6.3	26-Sep-05	MID-FLOOD	8.4
C1	16-Apr-03	Mid-Ebb	7.3	16-Apr-03	Mid-Flood	6.3	C1	28-Sep-05	MID-EBB	7.0	28-Sep-05	MID-FLOOD	5.0
C2	06-Feb-03	Mid-Ebb	3.0	06-Feb-03	Mid-Flood	3.3	C1	30-Sep-05	MID-EBB	6.9	30-Sep-05	MID-FLOOD	6.6
C2	08-Feb-03	Mid-Ebb	4.8	08-Feb-03	Mid-Flood	2.7	C1	03-Oct-05	MID-EBB	6.2	03-Oct-05	MID-FLOOD	6.0
C2	10-Feb-03	Mid-Ebb	1.7	10-Feb-03	Mid-Flood	3.2	C1	05-Oct-05	MID-EBB	5.5	05-Oct-05	MID-FLOOD	8.8
C2	14-Feb-03	Mid-Ebb	3.8	14-Feb-03	Mid-Flood	4.2	C1	07-Oct-05	MID-EBB	7.8	07-Oct-05	MID-FLOOD	10.9
C2	18-Feb-03	Mid-Ebb	4.7	17-Feb-03	Mid-Flood	4.7	C1	10-Oct-05	MID-EBB	8.7	10-Oct-05	MID-FLOOD	7.0
C2	19-Feb-03	Mid-Ebb	5.2	19-Feb-03	Mid-Flood	5.7	C1	12-Oct-05	MID-EBB	8.1	12-Oct-05	MID-FLOOD	7.8
C2	21-Feb-03	Mid-Ebb	5.7	21-Feb-03	Mid-Flood	5.7	C1	14-Oct-05	MID-EBB	7.4	14-Oct-05	MID-FLOOD	9.1
C2	24-Feb-03	Mid-Ebb	7.7	24-Feb-03	Mid-Flood	4.3	C1	17-Oct-05	MID-EBB	8.0	17-Oct-05	MID-FLOOD	6.9
C2	28-Feb-03	Mid-Ebb	4.7	28-Feb-03	Mid-Flood	7.0	C1	19-Oct-05	MID-EBB	7.0	19-Oct-05	MID-FLOOD	8.2
C2	03-Mar-03	Mid-Ebb	7.0	03-Mar-03	Mid-Flood	8.2	C1	21-Oct-05	MID-EBB	6.3	21-Oct-05	MID-FLOOD	6.7
C2	05-Mar-03	Mid-Ebb	5.2	05-Mar-03	Mid-Flood	8.0	C1	24-Oct-05	MID-EBB	7.4	24-Oct-05	MID-FLOOD	5.0
C2	07-Mar-03	Mid-Ebb	7.2	07-Mar-03	Mid-Flood	8.5	C1	26-Oct-05	MID-EBB	5.9	26-Oct-05	MID-FLOOD	6.5
C2	10-Mar-03	Mid-Ebb	6.0	10-Mar-03	Mid-Flood	7.2	C1	28-Oct-05	MID-EBB	7.1	28-Oct-05	MID-FLOOD	6.3
C2	17-Mar-03	Mid-Ebb	6.0	17-Mar-03	Mid-Flood	6.7	C2	01-Aug-05	MID-EBB	2.8	01-Aug-05	MID-FLOOD	3.1
C2	19-Mar-03	Mid-Ebb	8.7	19-Mar-03	Mid-Flood	7.7	C2	03-Aug-05	MID-EBB	5.0	03-Aug-05	MID-FLOOD	4.1
C2	22-Mar-03	Mid-Ebb	6.3	22-Mar-03	Mid-Flood	6.7	C2	05-Aug-05	MID-EBB	4.3	05-Aug-05	MID-FLOOD	4.9
C2	24-Mar-03	Mid-Ebb	4.0	24-Mar-03	Mid-Flood	4.0	C2	08-Aug-05	MID-EBB	4.4	08-Aug-05	MID-FLOOD	4.0
C2	26-Mar-03	Mid-Ebb	8.3	27-Mar-03	Mid-Flood	5.7	C2	10-Aug-05	MID-EBB	5.3	10-Aug-05	MID-FLOOD	4.8
C2	31-Mar-03	Mid-Ebb	7.0	31-Mar-03	Mid-Flood	7.3	C2	12-Aug-05	MID-EBB	3.1	12-Aug-05	MID-FLOOD	2.4
C2	02-Apr-03	Mid-Ebb	7.0	02-Apr-03	Mid-Flood	5.3	C2	15-Aug-05	MID-EBB	3.1	15-Aug-05	MID-FLOOD	3.9
C2	04-Apr-03	Mid-Ebb	5.7	04-Apr-03	Mid-Flood	7.0	C2	17-Aug-05	MID-EBB	5.0	17-Aug-05	MID-FLOOD	4.5
C2	07-Apr-03	Mid-Ebb	4.3	07-Apr-03	Mid-Flood	5.7	C2	19-Aug-05	MID-EBB	4.4	19-Aug-05	MID-FLOOD	5.3
C2	09-Apr-03	Mid-Ebb	5.7	09-Apr-03	Mid-Flood	4.7	C2	22-Aug-05	MID-EBB	3.5	22-Aug-05	MID-FLOOD	3.6
C2	14-Apr-03	Mid-Ebb	4.0	14-Apr-03	Mid-Flood	5.0	C2	24-Aug-05	MID-EBB	3.8	24-Aug-05	MID-FLOOD	5.0
C2	16-Apr-03	Mid-Ebb	7.0	16-Apr-03	Mid-Flood	6.8	C2	26-Aug-05	MID-EBB	3.7	26-Aug-05	MID-FLOOD	3.7
M01	06-Feb-03	Mid-Ebb	6.5	08-Feb-03	Mid-Flood	6.7	C2	29-Aug-05	MID-EBB	4.8	29-Aug-05	MID-FLOOD	3.9
M01	14-Feb-03	Mid-Ebb	8.0	17-Feb-03	Mid-Flood	7.7	C2	31-Aug-05	MID-EBB	4.9	31-Aug-05	MID-FLOOD	5.0
M01	21-Feb-03	Mid-Ebb	9.2	24-Feb-03	Mid-Flood	6.3	C2	02-Sep-05	MID-EBB	4.1	02-Sep-05	MID-FLOOD	4.7
M01	03-Mar-03	Mid-Ebb	9.0	05-Mar-03	Mid-Flood	8.0	C2	05-Sep-05	MID-EBB	4.1	05-Sep-05	MID-FLOOD	3.6
M01	10-Mar-03	Mid-Ebb	12.5	17-Mar-03	Mid-Flood	10.0	C2	07-Sep-05	MID-EBB	4.5	07-Sep-05	MID-FLOOD	2.6
M01	22-Mar-03	Mid-Ebb	7.8	24-Mar-03	Mid-Flood	8.3	C2	09-Sep-05	MID-EBB	5.8	09-Sep-05	MID-FLOOD	5.4
M01	31-Mar-03	Mid-Ebb	7.5	02-Apr-03	Mid-Flood	7.0	C2	12-Sep-05	MID-EBB	7.3	12-Sep-05	MID-FLOOD	5.9
M01	07-Apr-03	Mid-Ebb	8.5	09-Apr-03	Mid-Flood	8.5	C2	14-Sep-05	MID-EBB	6.5	14-Sep-05	MID-FLOOD	7.8
M01	16-Apr-03	Mid-Ebb	8.2	06-Feb-03	Mid-Flood	16.5	C2	16-Sep-05	MID-EBB	7.6	16-Sep-05	MID-FLOOD	7.0
M02	10-Feb-03	Mid-Ebb	16.0	14-Feb-03	Mid-Flood	9.5	C2	20-Sep-05	MID-EBB	8.3	20-Sep-05	MID-FLOOD	7.5
M02	19-Feb-03	Mid-Ebb	15.5	21-Feb-03	Mid-Flood	12.2	C2	22-Sep-05	MID-EBB	5.4	22-Sep-05	MID-FLOOD	6.0
M02	28-Feb-03	Mid-Ebb	12.2	03-Mar-03	Mid-Flood	11.8	C2	26-Sep-05	MID-EBB	6.7	26-Sep-05	MID-FLOOD	9.3
M02	07-Mar-03	Mid-Ebb	16.3	10-Mar-03	Mid-Flood	17.8	C2	28-Sep-05	MID-EBB	5.7	28-Sep-05	MID-FLOOD	7.3
M02	19-Mar-03	Mid-Ebb	11.8	22-Mar-03	Mid-Flood	10.2	C2	30-Sep-05	MID-EBB	6.7	30-Sep-05	MID-FLOOD	5.8
M02	26-Mar-03	Mid-Ebb	10.3	31-Mar-03	Mid-Flood	12.0	C2	03-Oct-05	MID-EBB	5.8	03-Oct-05	MID-FLOOD	5.3
M02	04-Apr-03	Mid-Ebb	9.8	07-Apr-03	Mid-Flood	9.3	C2	05-Oct-05	MID-EBB	5.9	05-Oct-05	MID-FLOOD	7.3
M02	14-Apr-03	Mid-Ebb	8.0	16-Apr-03	Mid-Flood	9.7	C2	07-Oct-05	MID-EBB	7.0	07-Oct-05	MID-FLOOD	9.3
M03	08-Feb-03	Mid-Ebb	7.3	10-Feb-03	Mid-Flood	6.7	C2	10-Oct-05	MID-EBB	6.0	10-Oct-05	MID-FLOOD	7.5
M03	18-Feb-03	Mid-Ebb	9.7	19-Feb-03	Mid-Flood	7.7	C2	12-Oct-05	MID-EBB	7.1	12-Oct-05	MID-FLOOD	7.8
M03	24-Feb-03	Mid-Ebb	8.8	28-Feb-03	Mid-Flood	10.0	C2	14-Oct-05	MID-EBB	8.2	14-Oct-05	MID-FLOOD	7.0
M03	05-Mar-03	Mid-Ebb	9.3	07-Mar-03	Mid-Flood	10.3	C2	17-Oct-05	MID-EBB	7.5	17-Oct-05	MID-FLOOD	7.3
M03	17-Mar-03	Mid-Ebb	8.2	19-Mar-03	Mid-Flood	10.2	C2	19-Oct-05	MID-EBB	6.9	19-Oct-05	MID-FLOOD	7.0
M03	24-Mar-03	Mid-Ebb	8.8	27-Mar-03	Mid-Flood	28.2	C2	21-Oct-05	MID-EBB	5.9	21-Oct-05	MID-FLOOD	7.4
M03	02-Apr-03	Mid-Ebb	7.7	04-Apr-03	Mid-Flood	7.3	C2	24-Oct-05	MID-EBB	6.7	24-Oct-05	MID-FLOOD	5.1
M03	09-Apr-03	Mid-Ebb	8.3	14-Apr-03	Mid-Flood	10.8	C2	26-Oct-05	MID-EBB	5.9	26-Oct-05	MID-FLOOD	5.9
M04	06-Feb-03	Mid-Ebb	5.5	08-Feb-03	Mid-Flood	6.7	C2	28-Oct-05	MID-EBB	5.5	28-Oct-05	MID-FLOOD	6.9
M04	14-Feb-03	Mid-Ebb	10.0	17-Feb-03	Mid-Flood	8.5	M01	01-Aug-05	MID-EBB	2.9	01-Aug-05	MID-FLOOD	3.4
M04	21-Feb-03	Mid-Ebb	7.3	24-Feb-03	Mid-Flood	7.0	M01	03-Aug-05	MID-EBB	4.6	03-Aug-05	MID-FLOOD	5.1
M04	03-Mar-03	Mid-Ebb	8.3	05-Mar-03	Mid-Flood	9.5	M01	05-Aug-05	MID-EBB	5.6	05-Aug-05	MID-FLOOD	5.5
M04	10-Mar-03	Mid-Ebb	8.8	17-Mar-03	Mid-Flood	9.0	M01	08-Aug-05	MID-EBB	3.5	08-Aug-05	MID-FLOOD	3.2
M04	22-Mar-03	Mid-Ebb	7.0	24-Mar-03	Mid-Flood	8.0	M01	10-Aug-05	MID-EBB	8.4	10-Aug-05	MID-FLOOD	5.6
M04	31-Mar-03	Mid-Ebb	9.0	02-Apr-03	Mid-Flood	7.8	M01	12-Aug-05	MID-EBB	2.9	12-Aug-05	MID-FLOOD	2.3
M04	07-Apr-03	Mid-Ebb	7.5	09-Apr-03	Mid-Flood	7.8	M01	15-Aug-05	MID-EBB	4.1	15-Aug-05	MID-FLOOD	3.8
M04	16-Apr-03	Mid-Ebb	6.0	06-Feb-03	Mid-Flood	6.0	M01	17-Aug-05	MID-EBB	5.9	17-Aug-05	MID-FLOOD	6.0
M05	10-Feb-03	Mid-Ebb	7.7	14-Feb-03	Mid-Flood	6.8	M01	19-Aug-05	MID-EBB	4.9	19-Aug-05	MID-FLOOD	7.1
M05	19-Feb-03	Mid-Ebb	7.8	21-Feb-03	Mid-Flood	6.3	M01	22-Aug-05	MID-EBB	3.8	22-Aug-05	MID-FLOOD	4.9
M05	28-Feb-03	Mid-Ebb	7.3	03-Mar-03	Mid-Flood	9.2	M01	24-Aug-05	MID-EBB	5.0	24-Aug-05	MID-FLOOD	6.1
M05	07-Mar-03	Mid-Ebb	8.3	10-Mar-03	Mid-Flood	13.8	M01	26-Aug-05	MID-EBB	3.1	26-Aug-05	MID-FLOOD	4.1
M05	19-Mar-03	Mid-Ebb	7.2	22-Mar-03	Mid-Flood	7.7	M01	29-Aug-05	MID-EBB	4.6	29-Aug-05	MID-FLOOD	4.2
M05	26-Mar-03	Mid-Ebb	6.7	31-Mar-03	Mid-Flood	6.5	M01	31-Aug-05	MID-EBB	4.8	31-Aug-05	MID-FLOOD	4.7
M05	04-Apr-03	Mid-Ebb	7.5	07-Apr-03	Mid-Flood	5.8	M01	02-Sep-05	MID-EBB	4.1	02-Sep-05	MID-FLOOD	3.6
M05	14-Apr-03	Mid-Ebb	7.0	16-Apr-03	Mid-Flood	6.3	M01	05-Sep-05	MID-EBB	3.9	05-Sep-05	MID-FLOOD	4.3
M06	08-Feb-03	Mid-Ebb	5.2	10-Feb-03	Mid-Flood	7.7	M01	07-Sep-05	MID-EBB	3.7	07-Sep-05	MID-FLOOD	4.1
M06	18-Feb-03	Mid-Ebb	9.3	19-Feb-03	Mid-Flood	9.5	M01	09-Sep-05	MID-EBB	6.0	09-Sep-05	MID-FLOOD	6.2

Baseline Results (DA)							Impact Monitoring Results (DA)						
STN	DATE	TIDE	SS	DATE	TIDE	SS	STN	DATE	TIDE	SS	DATE	TIDE	SS
M06	24-Feb-03	Mid-Ebb	7.3	28-Feb-03	Mid-Flood	8.7	M01	12-Sep-05	MID-EBB	6.2	12-Sep-05	MID-FLOOD	6.5
M06	05-Mar-03	Mid-Ebb	9.7	07-Mar-03	Mid-Flood	10.0	M01	14-Sep-05	MID-EBB	4.9	14-Sep-05	MID-FLOOD	6.9
M06	17-Mar-03	Mid-Ebb	7.0	19-Mar-03	Mid-Flood	9.7	M01	16-Sep-05	MID-EBB	6.3	16-Sep-05	MID-FLOOD	6.8
M06	24-Mar-03	Mid-Ebb	6.2	27-Mar-03	Mid-Flood	7.0	M01	20-Sep-05	MID-EBB	8.0	20-Sep-05	MID-FLOOD	8.5
M06	02-Apr-03	Mid-Ebb	7.2	04-Apr-03	Mid-Flood	6.5	M01	22-Sep-05	MID-EBB	6.6	22-Sep-05	MID-FLOOD	8.0
M06	09-Apr-03	Mid-Ebb	8.0	14-Apr-03	Mid-Flood	9.7	M01	26-Sep-05	MID-EBB	6.9	26-Sep-05	MID-FLOOD	7.4
M07	06-Feb-03	Mid-Ebb	4.0	06-Feb-03	Mid-Flood	5.0	M01	28-Sep-05	MID-EBB	5.3	28-Sep-05	MID-FLOOD	5.5
M07	08-Feb-03	Mid-Ebb	4.0	08-Feb-03	Mid-Flood	5.0	M01	30-Sep-05	MID-EBB	6.9	30-Sep-05	MID-FLOOD	6.3
M07	10-Feb-03	Mid-Ebb	5.0	10-Feb-03	Mid-Flood	4.2	M01	03-Oct-05	MID-EBB	6.9	03-Oct-05	MID-FLOOD	6.5
M07	14-Feb-03	Mid-Ebb	5.0	14-Feb-03	Mid-Flood	4.5	M01	05-Oct-05	MID-EBB	7.6	05-Oct-05	MID-FLOOD	7.6
M07	18-Feb-03	Mid-Ebb	5.0	17-Feb-03	Mid-Flood	6.5	M01	07-Oct-05	MID-EBB	7.6	07-Oct-05	MID-FLOOD	6.4
M07	19-Feb-03	Mid-Ebb	8.5	19-Feb-03	Mid-Flood	7.8	M01	10-Oct-05	MID-EBB	8.2	10-Oct-05	MID-FLOOD	7.8
M07	21-Feb-03	Mid-Ebb	7.3	21-Feb-03	Mid-Flood	7.2	M01	12-Oct-05	MID-EBB	7.4	12-Oct-05	MID-FLOOD	8.4
M07	24-Feb-03	Mid-Ebb	5.2	24-Feb-03	Mid-Flood	5.8	M01	14-Oct-05	MID-EBB	5.9	14-Oct-05	MID-FLOOD	8.7
M07	28-Feb-03	Mid-Ebb	6.0	28-Feb-03	Mid-Flood	7.2	M01	17-Oct-05	MID-EBB	8.7	17-Oct-05	MID-FLOOD	9.4
M07	03-Mar-03	Mid-Ebb	7.7	03-Mar-03	Mid-Flood	7.3	M01	19-Oct-05	MID-EBB	8.2	19-Oct-05	MID-FLOOD	6.7
M07	05-Mar-03	Mid-Ebb	5.5	05-Mar-03	Mid-Flood	7.3	M01	21-Oct-05	MID-EBB	10.4	21-Oct-05	MID-FLOOD	5.5
M07	07-Mar-03	Mid-Ebb	6.8	07-Mar-03	Mid-Flood	7.7	M01	24-Oct-05	MID-EBB	7.8	24-Oct-05	MID-FLOOD	7.0
M07	10-Mar-03	Mid-Ebb	5.8	10-Mar-03	Mid-Flood	6.8	M01	26-Oct-05	MID-EBB	7.4	26-Oct-05	MID-FLOOD	6.8
M07	17-Mar-03	Mid-Ebb	8.0	17-Mar-03	Mid-Flood	7.3	M01	28-Oct-05	MID-EBB	6.3	28-Oct-05	MID-FLOOD	10.1
M07	19-Mar-03	Mid-Ebb	11.0	19-Mar-03	Mid-Flood	8.7	M02	01-Aug-05	MID-EBB	3.9	01-Aug-05	MID-FLOOD	6.5
M07	22-Mar-03	Mid-Ebb	7.7	22-Mar-03	Mid-Flood	9.3	M02	03-Aug-05	MID-EBB	5.8	03-Aug-05	MID-FLOOD	5.9
M07	24-Mar-03	Mid-Ebb	9.7	24-Mar-03	Mid-Flood	7.0	M02	05-Aug-05	MID-EBB	6.9	05-Aug-05	MID-FLOOD	10.0
M07	26-Mar-03	Mid-Ebb	7.7	27-Mar-03	Mid-Flood	6.0	M02	08-Aug-05	MID-EBB	5.7	08-Aug-05	MID-FLOOD	4.9
M07	31-Mar-03	Mid-Ebb	7.0	31-Mar-03	Mid-Flood	6.3	M02	10-Aug-05	MID-EBB	8.5	10-Aug-05	MID-FLOOD	6.0
M07	02-Apr-03	Mid-Ebb	6.7	02-Apr-03	Mid-Flood	5.3	M02	12-Aug-05	MID-EBB	3.9	12-Aug-05	MID-FLOOD	2.4
M07	04-Apr-03	Mid-Ebb	6.0	04-Apr-03	Mid-Flood	5.7	M02	15-Aug-05	MID-EBB	4.9	15-Aug-05	MID-FLOOD	4.3
M07	07-Apr-03	Mid-Ebb	7.0	07-Apr-03	Mid-Flood	5.3	M02	17-Aug-05	MID-EBB	12.7	17-Aug-05	MID-FLOOD	7.9
M07	09-Apr-03	Mid-Ebb	5.7	09-Apr-03	Mid-Flood	6.3	M02	19-Aug-05	MID-EBB	13.2	19-Aug-05	MID-FLOOD	14.6
M07	14-Apr-03	Mid-Ebb	5.0	14-Apr-03	Mid-Flood	8.7	M02	22-Aug-05	MID-EBB	5.2	22-Aug-05	MID-FLOOD	4.9
M07	16-Apr-03	Mid-Ebb	7.0	16-Apr-03	Mid-Flood	7.8	M02	24-Aug-05	MID-EBB	6.7	24-Aug-05	MID-FLOOD	5.9
M08	06-Feb-03	Mid-Ebb	4.0	06-Feb-03	Mid-Flood	5.2	M02	26-Aug-05	MID-EBB	4.3	26-Aug-05	MID-FLOOD	4.7
M08	08-Feb-03	Mid-Ebb	5.0	08-Feb-03	Mid-Flood	4.8	M02	29-Aug-05	MID-EBB	5.8	29-Aug-05	MID-FLOOD	5.8
M08	10-Feb-03	Mid-Ebb	4.5	10-Feb-03	Mid-Flood	4.3	M02	31-Aug-05	MID-EBB	8.3	31-Aug-05	MID-FLOOD	7.9
M08	14-Feb-03	Mid-Ebb	5.3	14-Feb-03	Mid-Flood	4.3	M02	02-Sep-05	MID-EBB	4.7	02-Sep-05	MID-FLOOD	8.2
M08	18-Feb-03	Mid-Ebb	5.5	17-Feb-03	Mid-Flood	7.5	M02	05-Sep-05	MID-EBB	7.3	05-Sep-05	MID-FLOOD	6.1
M08	19-Feb-03	Mid-Ebb	7.3	19-Feb-03	Mid-Flood	10.0	M02	07-Sep-05	MID-EBB	8.5	07-Sep-05	MID-FLOOD	5.1
M08	21-Feb-03	Mid-Ebb	7.7	21-Feb-03	Mid-Flood	6.3	M02	09-Sep-05	MID-EBB	8.1	09-Sep-05	MID-FLOOD	8.2
M08	24-Feb-03	Mid-Ebb	6.0	24-Feb-03	Mid-Flood	4.3	M02	12-Sep-05	MID-EBB	6.6	12-Sep-05	MID-FLOOD	6.7
M08	28-Feb-03	Mid-Ebb	4.7	28-Feb-03	Mid-Flood	6.7	M02	14-Sep-05	MID-EBB	8.6	14-Sep-05	MID-FLOOD	11.4
M08	03-Mar-03	Mid-Ebb	6.8	03-Mar-03	Mid-Flood	8.3	M02	16-Sep-05	MID-EBB	9.7	16-Sep-05	MID-FLOOD	7.9
M08	05-Mar-03	Mid-Ebb	5.5	05-Mar-03	Mid-Flood	7.0	M02	20-Sep-05	MID-EBB	9.9	20-Sep-05	MID-FLOOD	14.1
M08	07-Mar-03	Mid-Ebb	6.7	07-Mar-03	Mid-Flood	7.3	M02	22-Sep-05	MID-EBB	10.1	22-Sep-05	MID-FLOOD	9.7
M08	10-Mar-03	Mid-Ebb	8.8	10-Mar-03	Mid-Flood	6.2	M02	26-Sep-05	MID-EBB	11.2	26-Sep-05	MID-FLOOD	13.8
M08	17-Mar-03	Mid-Ebb	7.7	17-Mar-03	Mid-Flood	8.7	M02	28-Sep-05	MID-EBB	10.1	28-Sep-05	MID-FLOOD	14.7
M08	19-Mar-03	Mid-Ebb	10.0	19-Mar-03	Mid-Flood	9.3	M02	30-Sep-05	MID-EBB	9.9	30-Sep-05	MID-FLOOD	6.8
M08	22-Mar-03	Mid-Ebb	7.3	22-Mar-03	Mid-Flood	10.0	M02	03-Oct-05	MID-EBB	10.3	03-Oct-05	MID-FLOOD	10.4
M08	24-Mar-03	Mid-Ebb	6.0	24-Mar-03	Mid-Flood	7.3	M02	05-Oct-05	MID-EBB	9.6	05-Oct-05	MID-FLOOD	10.7
M08	26-Mar-03	Mid-Ebb	6.0	27-Mar-03	Mid-Flood	5.3	M02	07-Oct-05	MID-EBB	9.9	07-Oct-05	MID-FLOOD	9.3
M08	31-Mar-03	Mid-Ebb	7.0	31-Mar-03	Mid-Flood	5.3	M02	10-Oct-05	MID-EBB	13.4	10-Oct-05	MID-FLOOD	9.9
M08	02-Apr-03	Mid-Ebb	7.0	02-Apr-03	Mid-Flood	5.7	M02	12-Oct-05	MID-EBB	10.6	12-Oct-05	MID-FLOOD	16.3
M08	04-Apr-03	Mid-Ebb	7.0	04-Apr-03	Mid-Flood	5.7	M02	14-Oct-05	MID-EBB	12.8	14-Oct-05	MID-FLOOD	12.1
M08	07-Apr-03	Mid-Ebb	6.7	07-Apr-03	Mid-Flood	5.0	M02	17-Oct-05	MID-EBB	15.1	17-Oct-05	MID-FLOOD	16.8
M08	09-Apr-03	Mid-Ebb	5.0	09-Apr-03	Mid-Flood	5.0	M02	19-Oct-05	MID-EBB	11.9	19-Oct-05	MID-FLOOD	10.9
M08	14-Apr-03	Mid-Ebb	6.3	14-Apr-03	Mid-Flood	5.7	M02	21-Oct-05	MID-EBB	11.1	21-Oct-05	MID-FLOOD	10.8
M08	16-Apr-03	Mid-Ebb	6.7	16-Apr-03	Mid-Flood	7.5	M02	24-Oct-05	MID-EBB	16.7	24-Oct-05	MID-FLOOD	11.4
M09	06-Feb-03	Mid-Ebb	5.7	06-Feb-03	Mid-Flood	5.0	M02	26-Oct-05	MID-EBB	9.8	26-Oct-05	MID-FLOOD	8.6
M09	08-Feb-03	Mid-Ebb	5.5	08-Feb-03	Mid-Flood	4.7	M02	28-Oct-05	MID-EBB	11.2	28-Oct-05	MID-FLOOD	9.3
M09	10-Feb-03	Mid-Ebb	4.8	10-Feb-03	Mid-Flood	4.0	M03	01-Aug-05	MID-EBB	7.3	01-Aug-05	MID-FLOOD	5.2
M09	14-Feb-03	Mid-Ebb	5.2	14-Feb-03	Mid-Flood	4.7	M03	03-Aug-05	MID-EBB	4.7	03-Aug-05	MID-FLOOD	7.6
M09	18-Feb-03	Mid-Ebb	6.0	17-Feb-03	Mid-Flood	6.3	M03	05-Aug-05	MID-EBB	6.8	05-Aug-05	MID-FLOOD	9.1
M09	19-Feb-03	Mid-Ebb	6.3	19-Feb-03	Mid-Flood	7.0	M03	08-Aug-05	MID-EBB	5.2	08-Aug-05	MID-FLOOD	5.7
M09	21-Feb-03	Mid-Ebb	7.0	21-Feb-03	Mid-Flood	7.2	M03	10-Aug-05	MID-EBB	6.8	10-Aug-05	MID-FLOOD	6.6
M09	24-Feb-03	Mid-Ebb	7.3	24-Feb-03	Mid-Flood	6.5	M03	12-Aug-05	MID-EBB	3.2	12-Aug-05	MID-FLOOD	3.3
M09	28-Feb-03	Mid-Ebb	5.8	28-Feb-03	Mid-Flood	7.3	M03	15-Aug-05	MID-EBB	6.2	15-Aug-05	MID-FLOOD	3.6
M09	03-Mar-03	Mid-Ebb	6.7	03-Mar-03	Mid-Flood	7.3	M03	17-Aug-05	MID-EBB	5.7	17-Aug-05	MID-FLOOD	7.3
M09	05-Mar-03	Mid-Ebb	5.8	05-Mar-03	Mid-Flood	6.2	M03	19-Aug-05	MID-EBB	4.9	19-Aug-05	MID-FLOOD	7.9
M09	07-Mar-03	Mid-Ebb	6.7	07-Mar-03	Mid-Flood	7.7	M03	22-Aug-05	MID-EBB	5.4	22-Aug-05	MID-FLOOD	6.3
M09	10-Mar-03	Mid-Ebb	6.5	10-Mar-03	Mid-Flood	6.5	M03	24-Aug-05	MID-EBB	5.3	24-Aug-05	MID-FLOOD	9.2
M09	17-Mar-03	Mid-Ebb	9.7	17-Mar-03	Mid-Flood	8.3	M03	26-Aug-05	MID-EBB	3.6	26-Aug-05	MID-FLOOD	4.4
M09	19-Mar-03	Mid-Ebb	9.7	19-Mar-03	Mid-Flood	9.3	M03	29-Aug-05	MID-EBB	8.7	29-Aug-05	MID-FLOOD	5.7
M09	22-Mar-03	Mid-Ebb	7.7	22-Mar-03	Mid-Flood	9.0	M03	31-Aug-05	MID-EBB	5.3	31-Aug-05	MID-FLOOD	6.6
M09	24-Mar-03	Mid-Ebb	10.0	24-Mar-03	Mid-Flood	7.0	M03	02-Sep-05	MID-EBB	4.6	02-Sep-05	MID-FLOOD	5.4
M09	26-Mar-03	Mid-Ebb	10.7	27-Mar-03	Mid-Flood	5.7	M03	05-Sep-05	MID-EBB	6.4	05-Sep-05	MID-FLOOD	6.2
M09	31-Mar-03	Mid-Ebb	7.0	31-Mar-03	Mid-Flood	7.0	M03	07-Sep-05	MID-EBB	4.4	07-Sep-05	MID-FLOOD	4.7
M09	02-Apr-03	Mid-Ebb	6.7	02-Apr-03	Mid-Flood	5.3	M03	09-Sep-05	MID-EBB	6.4	09-Sep-05	MID-FLOOD	8.4
M09	04-Apr-03	Mid-Ebb	6.7	04-Apr-03	Mid-Flood	4.7	M03	12-Sep-05	MID-EBB	7.1	12-Sep-05	MID-FLOOD	10.3
M09	07-Apr-03	Mid-Ebb	7.3	07-Apr-03	Mid-Flood	5.3	M03	14-Sep-05	MID-EBB	9.9	14-Sep-05	MID-FLOOD	10.6
M09	09-Apr-03	Mid-Ebb	6.0	09-Apr-03	Mid-Flood	4.3	M03	16-Sep-05	MID-EBB	7.2	16-Sep-05	MID-FLOOD	11.7
M09	14-Apr-03	Mid-Ebb	5.0	14-Apr-03	Mid-Flood	5.7	M03	20-Sep-05	MID-EBB	12.1	20-Sep-05	MID-FLOOD	15.5
M09	16-Apr-03	Mid-Ebb	7.3	16-Apr-03	Mid-Flood	7.0	M03	22-Sep-05	MID-EBB	7.1	22-Sep-05	MID-FLOOD	8.1
M10	06-Feb-03	Mid-Ebb	3.0	06-Feb-03	Mid-Flood	5.0	M03	26-Sep-05	MID-EBB	10.7	26-Sep-05	MID-FLOOD	6.6
M10	08-Feb-03	Mid-Ebb	6.3	08-Feb-03	Mid-Flood	5.0	M03	28-Sep-05	MID-EBB	9.6	28-Sep-05	MID-FLOOD	6.4
M10	10-Feb-03	Mid-Ebb	4.7	10-Feb-03	Mid-Flood	3.8	M03	30-Sep-05	MID-EBB	8.8	30-Sep-05	MID-FLOOD	8.8
M10	14-Feb-03	Mid-Ebb	5.3	14-Feb-03	Mid-Flood	5.5	M03	03-Oct-05	MID-EBB	10.0	03-Oct-05	MID-FLOOD	6.6
M10	18-Feb-03	Mid-Ebb	6.0	17-Feb-03	Mid-Flood	7.7	M03	05-Oct-05	MID-EBB	7.1	05-Oct-05	MID-FLOOD	13.1
M10	19-Feb-03	Mid-Ebb	5.8	19-Feb-03	Mid-Flood	8.2	M03	07-Oct-05	MID-EBB	9.6	07-Oct-05	MID-FLOOD	10.6
M10	21-Feb-03	Mid-Ebb	7.8	21-Feb-03	Mid-Flood	6.3	M03	10-Oct-05	MID-EBB	10.9	10-Oct-05	MID-FLOOD	16.1
M10	24-Feb-03	Mid-Ebb	6.3	24-Feb-03	Mid-Flood	5.3	M03	12-Oct-05	MID-EBB	7.0	12-Oct-05	MID-FLOOD	13.9
M10	28-Feb-03	Mid-Ebb	4.2	28-Feb-03	Mid-Flood	7.0	M03	14-Oct-05	MID-EBB	13.2	14-Oct-05	MID-FLOOD	13.8
M10	03-Mar-03	Mid-Ebb	7.3	03-Mar-03	Mid-Flood	8.8	M03	17-Oct-05	MID-EBB	9.1	17-Oct-05	MID-FLOOD	12.4
M10	05-Mar-03	Mid-Ebb	6.0	05-Mar-03	Mid-Flood	6.0	M03	19-Oct-05	MID-EBB	9.1	19-Oct-05	MID-FLOOD	11.3
M10	07-Mar-03	Mid-Ebb	7.8	07-Mar-03	Mid-Flood	7.8	M03	21-Oct-05	MID-EBB	10.4	21-Oct-05	MID-FLOOD	9.9
M10	10-Mar-03	Mid-Ebb	6.3	10-Mar-03	Mid-Flood	6.8	M03	24-Oct-05	MID-EBB	10.2	24-Oct-05	MID-FLOOD	7.1
M10	17-Mar-03	Mid-Ebb	8.0	17-Mar-03	Mid-Flood	7.3	M03	26-Oct-05	MID-EBB	6.7	26-Oct-05	M	

Baseline Results (DA)						
STN	DATE	TIDE	SS	DATE	TIDE	SS
M10	26-Mar-03	Mid-Ebb	7.3	27-Mar-03	Mid-Flood	5.3
M10	31-Mar-03	Mid-Ebb	8.0	31-Mar-03	Mid-Flood	6.0
M10	02-Apr-03	Mid-Ebb	7.0	02-Apr-03	Mid-Flood	6.3
M10	04-Apr-03	Mid-Ebb	7.3	04-Apr-03	Mid-Flood	7.7
M10	07-Apr-03	Mid-Ebb	7.3	07-Apr-03	Mid-Flood	6.0
M10	09-Apr-03	Mid-Ebb	5.3	09-Apr-03	Mid-Flood	6.7
M10	14-Apr-03	Mid-Ebb	6.3	14-Apr-03	Mid-Flood	8.0
M10	16-Apr-03	Mid-Ebb	8.0	16-Apr-03	Mid-Flood	5.7
M11	06-Feb-03	Mid-Ebb	5.7	08-Feb-03	Mid-Flood	5.7
M11	14-Feb-03	Mid-Ebb	7.5	17-Feb-03	Mid-Flood	8.3
M11	21-Feb-03	Mid-Ebb	8.7	24-Feb-03	Mid-Flood	7.7
M11	03-Mar-03	Mid-Ebb	8.8	05-Mar-03	Mid-Flood	8.5
M11	10-Mar-03	Mid-Ebb	10.0	17-Mar-03	Mid-Flood	11.3
M11	22-Mar-03	Mid-Ebb	9.5	24-Mar-03	Mid-Flood	7.0
M11	31-Mar-03	Mid-Ebb	8.7	02-Apr-03	Mid-Flood	7.5
M11	07-Apr-03	Mid-Ebb	7.5	09-Apr-03	Mid-Flood	7.8
M11	16-Apr-03	Mid-Ebb	6.8	06-Feb-03	Mid-Flood	5.3
M12	10-Feb-03	Mid-Ebb	7.0	14-Feb-03	Mid-Flood	6.7
M12	19-Feb-03	Mid-Ebb	9.3	21-Feb-03	Mid-Flood	9.3
M12	28-Feb-03	Mid-Ebb	9.3	03-Mar-03	Mid-Flood	9.8
M12	07-Mar-03	Mid-Ebb	8.7	10-Mar-03	Mid-Flood	9.3
M12	19-Mar-03	Mid-Ebb	9.5	22-Mar-03	Mid-Flood	8.0
M12	26-Mar-03	Mid-Ebb	8.0	31-Mar-03	Mid-Flood	8.7
M12	04-Apr-03	Mid-Ebb	8.0	07-Apr-03	Mid-Flood	9.8
M12	14-Apr-03	Mid-Ebb	7.7	16-Apr-03	Mid-Flood	3.2

$$n_1 = 434$$

$$\bar{X}_1 = 7.1$$

$$\bar{X}_1 * 1.3 = 9.3$$

By applying the equation:

$$Z = \frac{\bar{X} - \mu_0}{\sigma / \sqrt{n}}$$

& testing

$$H_0 : \mu = \mu_0$$

$$Z_{0.05} = -1.645$$

$$\bar{X} - \mu_0 = -2.64$$

$$\sigma / \sqrt{n} = 0.08$$

Thus,

$$z = -35.13$$

Reject  $H_0$ ?:

YES ( $z < -z_{0.05}$ )

Therefore, the null hypothesis must be rejected in favor of the alternate hypothesis, i.e., the quarterly mean is significantly less than 1.3 times the ambient mean recorded during baseline monitoring.

Impact Monitoring Results (DA)						
STN	DATE	TIDE	SS	DATE	TIDE	SS
M04A	05-Aug-05	MID-EBB	5.6	05-Aug-05	MID-FLOOD	5.7
M04A	08-Aug-05	MID-EBB	5.2	08-Aug-05	MID-FLOOD	5.0
M04A	10-Aug-05	MID-EBB	5.3	10-Aug-05	MID-FLOOD	5.4
M04A	12-Aug-05	MID-EBB	2.8	12-Aug-05	MID-FLOOD	3.6
M04A	15-Aug-05	MID-EBB	7.9	15-Aug-05	MID-FLOOD	4.6
M04A	17-Aug-05	MID-EBB	5.3	17-Aug-05	MID-FLOOD	5.7
M04A	19-Aug-05	MID-EBB	4.6	19-Aug-05	MID-FLOOD	7.4
M04A	22-Aug-05	MID-EBB	3.3	22-Aug-05	MID-FLOOD	5.8
M04A	24-Aug-05	MID-EBB	6.3	24-Aug-05	MID-FLOOD	6.2
M04A	26-Aug-05	MID-EBB	3.3	26-Aug-05	MID-FLOOD	3.2
M04A	29-Aug-05	MID-EBB	4.1	29-Aug-05	MID-FLOOD	4.8
M04A	31-Aug-05	MID-EBB	5.4	31-Aug-05	MID-FLOOD	5.7
M04A	02-Sep-05	MID-EBB	4.4	02-Sep-05	MID-FLOOD	3.6
M04A	05-Sep-05	MID-EBB	4.4	05-Sep-05	MID-FLOOD	5.8
M04A	07-Sep-05	MID-EBB	7.3	07-Sep-05	MID-FLOOD	10.4
M04A	09-Sep-05	MID-EBB	7.8	09-Sep-05	MID-FLOOD	7.3
M04A	12-Sep-05	MID-EBB	4.6	12-Sep-05	MID-FLOOD	6.3
M04A	14-Sep-05	MID-EBB	8.6	14-Sep-05	MID-FLOOD	7.9
M04A	16-Sep-05	MID-EBB	4.4	16-Sep-05	MID-FLOOD	8.7
M04A	20-Sep-05	MID-EBB	6.3	20-Sep-05	MID-FLOOD	13.1
M04A	22-Sep-05	MID-EBB	7.1	22-Sep-05	MID-FLOOD	8.2
M04A	26-Sep-05	MID-EBB	7.2	26-Sep-05	MID-FLOOD	8.8
M04A	28-Sep-05	MID-EBB	7.2	28-Sep-05	MID-FLOOD	5.7
M04A	30-Sep-05	MID-EBB	5.3	30-Sep-05	MID-FLOOD	7.0
M04A	03-Oct-05	MID-EBB	7.0	03-Oct-05	MID-FLOOD	5.8
M04A	05-Oct-05	MID-EBB	7.8	05-Oct-05	MID-FLOOD	9.2
M04A	07-Oct-05	MID-EBB	6.7	07-Oct-05	MID-FLOOD	8.8
M04A	10-Oct-05	MID-EBB	8.1	10-Oct-05	MID-FLOOD	10.3
M04A	12-Oct-05	MID-EBB	7.2	12-Oct-05	MID-FLOOD	12.6
M04A	14-Oct-05	MID-EBB	8.7	14-Oct-05	MID-FLOOD	7.9
M04A	17-Oct-05	MID-EBB	9.6	17-Oct-05	MID-FLOOD	8.0
M04A	19-Oct-05	MID-EBB	14.8	19-Oct-05	MID-FLOOD	11.5
M04A	21-Oct-05	MID-EBB	7.7	21-Oct-05	MID-FLOOD	9.0
M04A	24-Oct-05	MID-EBB	10.3	24-Oct-05	MID-FLOOD	5.7
M04A	26-Oct-05	MID-EBB	6.0	26-Oct-05	MID-FLOOD	7.0
M04A	28-Oct-05	MID-EBB	10.3	28-Oct-05	MID-FLOOD	6.9
M05	01-Aug-05	MID-EBB	4.4	01-Aug-05	MID-FLOOD	6.6
M05	03-Aug-05	MID-EBB	5.4	03-Aug-05	MID-FLOOD	3.9
M05	05-Aug-05	MID-EBB	6.8	05-Aug-05	MID-FLOOD	7.1
M05	08-Aug-05	MID-EBB	5.6	08-Aug-05	MID-FLOOD	6.4
M05	10-Aug-05	MID-EBB	4.8	10-Aug-05	MID-FLOOD	4.7
M05	12-Aug-05	MID-EBB	2.9	12-Aug-05	MID-FLOOD	3.4
M05	15-Aug-05	MID-EBB	4.9	15-Aug-05	MID-FLOOD	3.8
M05	17-Aug-05	MID-EBB	5.2	17-Aug-05	MID-FLOOD	5.9
M05	19-Aug-05	MID-EBB	7.9	19-Aug-05	MID-FLOOD	8.1
M05	22-Aug-05	MID-EBB	7.2	22-Aug-05	MID-FLOOD	6.9
M05	24-Aug-05	MID-EBB	8.1	24-Aug-05	MID-FLOOD	5.9
M05	26-Aug-05	MID-EBB	3.8	26-Aug-05	MID-FLOOD	4.1
M05	29-Aug-05	MID-EBB	5.3	29-Aug-05	MID-FLOOD	4.8
M05	31-Aug-05	MID-EBB	5.8	31-Aug-05	MID-FLOOD	11.8
M05	02-Sep-05	MID-EBB	4.4	02-Sep-05	MID-FLOOD	5.0
M05	05-Sep-05	MID-EBB	4.1	05-Sep-05	MID-FLOOD	6.1
M05	07-Sep-05	MID-EBB	5.9	07-Sep-05	MID-FLOOD	6.1
M05	09-Sep-05	MID-EBB	8.0	09-Sep-05	MID-FLOOD	8.9
M05	12-Sep-05	MID-EBB	6.9	12-Sep-05	MID-FLOOD	6.3
M05	14-Sep-05	MID-EBB	9.9	14-Sep-05	MID-FLOOD	8.1
M05	16-Sep-05	MID-EBB	12.1	16-Sep-05	MID-FLOOD	9.1
M05	20-Sep-05	MID-EBB	12.6	20-Sep-05	MID-FLOOD	11.5
M05	22-Sep-05	MID-EBB	9.2	22-Sep-05	MID-FLOOD	8.7
M05	26-Sep-05	MID-EBB	10.6	26-Sep-05	MID-FLOOD	12.3
M05	28-Sep-05	MID-EBB	7.3	28-Sep-05	MID-FLOOD	5.1
M05	30-Sep-05	MID-EBB	6.8	30-Sep-05	MID-FLOOD	9.2
M05	03-Oct-05	MID-EBB	6.9	03-Oct-05	MID-FLOOD	5.8
M05	05-Oct-05	MID-EBB	8.4	05-Oct-05	MID-FLOOD	6.6
M05	07-Oct-05	MID-EBB	8.6	07-Oct-05	MID-FLOOD	8.7
M05	10-Oct-05	MID-EBB	9.1	10-Oct-05	MID-FLOOD	10.8
M05	12-Oct-05	MID-EBB	9.5	12-Oct-05	MID-FLOOD	10.5
M05	14-Oct-05	MID-EBB	7.8	14-Oct-05	MID-FLOOD	10.9
M05	17-Oct-05	MID-EBB	8.9	17-Oct-05	MID-FLOOD	7.5
M05	19-Oct-05	MID-EBB	11.4	19-Oct-05	MID-FLOOD	12.2
M05	21-Oct-05	MID-EBB	6.9	21-Oct-05	MID-FLOOD	11.9
M05	24-Oct-05	MID-EBB	10.6	24-Oct-05	MID-FLOOD	7.3
M05	26-Oct-05	MID-EBB	7.2	26-Oct-05	MID-FLOOD	6.9
M05	28-Oct-05	MID-EBB	7.1	28-Oct-05	MID-FLOOD	7.6
M06	01-Aug-05	MID-EBB	3.3	01-Aug-05	MID-FLOOD	3.2
M06	03-Aug-05	MID-EBB	3.8	03-Aug-05	MID-FLOOD	5.1
M06	05-Aug-05	MID-EBB	5.3	05-Aug-05	MID-FLOOD	6.2
M06	08-Aug-05	MID-EBB	5.2	08-Aug-05	MID-FLOOD	8.2
M06	10-Aug-05	MID-EBB	5.6	10-Aug-05	MID-FLOOD	4.8
M06	12-Aug-05	MID-EBB	2.5	12-Aug-05	MID-FLOOD	2.6
M06	15-Aug-05	MID-EBB	3.7	15-Aug-05	MID-FLOOD	3.3
M06	17-Aug-05	MID-EBB	3.9	17-Aug-05	MID-FLOOD	4.8
M06	19-Aug-05	MID-EBB	6.4	19-Aug-05	MID-FLOOD	11.5
M06	22-Aug-05	MID-EBB	4.8	22-Aug-05	MID-FLOOD	7.3
M06	24-Aug-05	MID-EBB	6.7	24-Aug-05	MID-FLOOD	8.1
M06	26-Aug-05	MID-EBB	3.4	26-Aug-05	MID-FLOOD	4.1
M06	29-Aug-05	MID-EBB	5.0	29-Aug-05	MID-FLOOD	5.1
M06	31-Aug-05	MID-EBB	5.7	31-Aug-05	MID-FLOOD	7.3
M06	02-Sep-05	MID-EBB	3.8	02-Sep-05	MID-FLOOD	5.1
M06	05-Sep-05	MID-EBB	5.8	05-Sep-05	MID-FLOOD	6.9
M06	07-Sep-05	MID-EBB	5.4	07-Sep-05	MID-FLOOD	8.7
M06	09-Sep-05	MID-EBB	6.3	09-Sep-05	MID-FLOOD	9.0
M06	12-Sep-05	MID-EBB	6.5	12-Sep-05	MID-FLOOD	6.8

Baseline Results (DA)					
STN	DATE	TIDE	SS	DATE	SS

Impact Monitoring Results (DA)					
STN	DATE	TIDE	SS	DATE	SS

M06	14-Sep-05	MID-EBB	9.1	14-Sep-05	MID-FLOOD	8.5
M06	16-Sep-05	MID-EBB	10.5	16-Sep-05	MID-FLOOD	8.9
M06	20-Sep-05	MID-EBB	11.0	20-Sep-05	MID-FLOOD	11.8
M06	22-Sep-05	MID-EBB	7.1	22-Sep-05	MID-FLOOD	10.9
M06	26-Sep-05	MID-EBB	7.0	26-Sep-05	MID-FLOOD	8.9
M06	28-Sep-05	MID-EBB	7.1	28-Sep-05	MID-FLOOD	7.1
M06	30-Sep-05	MID-EBB	12.7	30-Sep-05	MID-FLOOD	10.6
M06	03-Oct-05	MID-EBB	9.4	03-Oct-05	MID-FLOOD	9.2
M06	05-Oct-05	MID-EBB	8.7	05-Oct-05	MID-FLOOD	9.7
M06	07-Oct-05	MID-EBB	9.1	07-Oct-05	MID-FLOOD	12.6
M06	10-Oct-05	MID-EBB	8.9	10-Oct-05	MID-FLOOD	10.3
M06	12-Oct-05	MID-EBB	7.7	12-Oct-05	MID-FLOOD	9.0
M06	14-Oct-05	MID-EBB	8.6	14-Oct-05	MID-FLOOD	16.0
M06	17-Oct-05	MID-EBB	8.6	17-Oct-05	MID-FLOOD	11.4
M06	19-Oct-05	MID-EBB	7.9	19-Oct-05	MID-FLOOD	10.4
M06	21-Oct-05	MID-EBB	8.3	21-Oct-05	MID-FLOOD	11.2
M06	24-Oct-05	MID-EBB	7.2	24-Oct-05	MID-FLOOD	8.3
M06	26-Oct-05	MID-EBB	7.3	26-Oct-05	MID-FLOOD	5.4
M06	28-Oct-05	MID-EBB	7.1	28-Oct-05	MID-FLOOD	8.1
M07	01-Aug-05	MID-EBB	2.4	01-Aug-05	MID-FLOOD	2.9
M07	03-Aug-05	MID-EBB	4.7	03-Aug-05	MID-FLOOD	4.1
M07	05-Aug-05	MID-EBB	4.3	05-Aug-05	MID-FLOOD	6.0
M07	08-Aug-05	MID-EBB	3.9	08-Aug-05	MID-FLOOD	3.1
M07	10-Aug-05	MID-EBB	5.1	10-Aug-05	MID-FLOOD	5.0
M07	12-Aug-05	MID-EBB	2.4	12-Aug-05	MID-FLOOD	2.6
M07	15-Aug-05	MID-EBB	2.4	15-Aug-05	MID-FLOOD	3.3
M07	17-Aug-05	MID-EBB	4.9	17-Aug-05	MID-FLOOD	4.8
M07	19-Aug-05	MID-EBB	5.5	19-Aug-05	MID-FLOOD	5.0
M07	22-Aug-05	MID-EBB	4.0	22-Aug-05	MID-FLOOD	3.7
M07	24-Aug-05	MID-EBB	4.7	24-Aug-05	MID-FLOOD	5.3
M07	26-Aug-05	MID-EBB	3.5	26-Aug-05	MID-FLOOD	3.5
M07	29-Aug-05	MID-EBB	4.8	29-Aug-05	MID-FLOOD	4.7
M07	31-Aug-05	MID-EBB	4.7	31-Aug-05	MID-FLOOD	4.9
M07	02-Sep-05	MID-EBB	4.2	02-Sep-05	MID-FLOOD	4.8
M07	05-Sep-05	MID-EBB	5.7	05-Sep-05	MID-FLOOD	3.2
M07	07-Sep-05	MID-EBB	4.5	07-Sep-05	MID-FLOOD	3.7
M07	09-Sep-05	MID-EBB	4.7	09-Sep-05	MID-FLOOD	5.8
M07	12-Sep-05	MID-EBB	7.4	12-Sep-05	MID-FLOOD	6.0
M07	14-Sep-05	MID-EBB	5.8	14-Sep-05	MID-FLOOD	8.0
M07	16-Sep-05	MID-EBB	9.0	16-Sep-05	MID-FLOOD	5.8
M07	20-Sep-05	MID-EBB	7.3	20-Sep-05	MID-FLOOD	9.9
M07	22-Sep-05	MID-EBB	6.4	22-Sep-05	MID-FLOOD	6.7
M07	26-Sep-05	MID-EBB	6.6	26-Sep-05	MID-FLOOD	9.5
M07	28-Sep-05	MID-EBB	6.1	28-Sep-05	MID-FLOOD	5.0
M07	30-Sep-05	MID-EBB	7.9	30-Sep-05	MID-FLOOD	4.9
M07	03-Oct-05	MID-EBB	6.4	03-Oct-05	MID-FLOOD	5.0
M07	05-Oct-05	MID-EBB	5.0	05-Oct-05	MID-FLOOD	7.5
M07	07-Oct-05	MID-EBB	8.5	07-Oct-05	MID-FLOOD	9.0
M07	10-Oct-05	MID-EBB	7.8	10-Oct-05	MID-FLOOD	7.3
M07	12-Oct-05	MID-EBB	7.0	12-Oct-05	MID-FLOOD	7.5
M07	14-Oct-05	MID-EBB	6.8	14-Oct-05	MID-FLOOD	8.9
M07	17-Oct-05	MID-EBB	8.0	17-Oct-05	MID-FLOOD	5.6
M07	19-Oct-05	MID-EBB	7.5	19-Oct-05	MID-FLOOD	7.7
M07	21-Oct-05	MID-EBB	6.9	21-Oct-05	MID-FLOOD	7.6
M07	24-Oct-05	MID-EBB	6.4	24-Oct-05	MID-FLOOD	5.9
M07	26-Oct-05	MID-EBB	5.9	26-Oct-05	MID-FLOOD	5.7
M07	28-Oct-05	MID-EBB	7.7	28-Oct-05	MID-FLOOD	8.2
M08	01-Aug-05	MID-EBB	2.3	01-Aug-05	MID-FLOOD	2.9
M08	03-Aug-05	MID-EBB	4.8	03-Aug-05	MID-FLOOD	4.0
M08	05-Aug-05	MID-EBB	7.1	05-Aug-05	MID-FLOOD	5.7
M08	08-Aug-05	MID-EBB	3.9	08-Aug-05	MID-FLOOD	3.7
M08	10-Aug-05	MID-EBB	6.7	10-Aug-05	MID-FLOOD	4.8
M08	12-Aug-05	MID-EBB	2.5	12-Aug-05	MID-FLOOD	2.5
M08	15-Aug-05	MID-EBB	2.7	15-Aug-05	MID-FLOOD	3.4
M08	17-Aug-05	MID-EBB	3.7	17-Aug-05	MID-FLOOD	5.2
M08	19-Aug-05	MID-EBB	4.8	19-Aug-05	MID-FLOOD	5.6
M08	22-Aug-05	MID-EBB	3.7	22-Aug-05	MID-FLOOD	4.2
M08	24-Aug-05	MID-EBB	4.3	24-Aug-05	MID-FLOOD	4.9
M08	26-Aug-05	MID-EBB	3.6	26-Aug-05	MID-FLOOD	3.2
M08	29-Aug-05	MID-EBB	5.0	29-Aug-05	MID-FLOOD	4.3
M08	31-Aug-05	MID-EBB	5.0	31-Aug-05	MID-FLOOD	4.7
M08	02-Sep-05	MID-EBB	3.9	02-Sep-05	MID-FLOOD	4.8
M08	05-Sep-05	MID-EBB	3.9	05-Sep-05	MID-FLOOD	4.1
M08	07-Sep-05	MID-EBB	4.5	07-Sep-05	MID-FLOOD	2.4
M08	09-Sep-05	MID-EBB	5.1	09-Sep-05	MID-FLOOD	5.8
M08	12-Sep-05	MID-EBB	7.5	12-Sep-05	MID-FLOOD	5.9
M08	14-Sep-05	MID-EBB	5.9	14-Sep-05	MID-FLOOD	7.5
M08	16-Sep-05	MID-EBB	7.8	16-Sep-05	MID-FLOOD	6.9
M08	20-Sep-05	MID-EBB	7.6	20-Sep-05	MID-FLOOD	6.7
M08	22-Sep-05	MID-EBB	6.2	22-Sep-05	MID-FLOOD	6.2
M08	26-Sep-05	MID-EBB	6.2	26-Sep-05	MID-FLOOD	9.0
M08	28-Sep-05	MID-EBB	4.8	28-Sep-05	MID-FLOOD	7.2
M08	30-Sep-05	MID-EBB	6.7	30-Sep-05	MID-FLOOD	6.4
M08	03-Oct-05	MID-EBB	6.9	03-Oct-05	MID-FLOOD	5.4
M08	05-Oct-05	MID-EBB	5.8	05-Oct-05	MID-FLOOD	7.7
M08	07-Oct-05	MID-EBB	7.6	07-Oct-05	MID-FLOOD	9.2
M08	10-Oct-05	MID-EBB	7.3	10-Oct-05	MID-FLOOD	7.0
M08	12-Oct-05	MID-EBB	10.0	12-Oct-05	MID-FLOOD	9.9
M08	14-Oct-05	MID-EBB	8.4	14-Oct-05	MID-FLOOD	7.3
M08	17-Oct-05	MID-EBB	8.8	17-Oct-05	MID-FLOOD	5.7
M08	19-Oct-05	MID-EBB	7.3	19-Oct-05	MID-FLOOD	8.1
M08	21-Oct-05	MID-EBB	7.0	21-Oct-05	MID-FLOOD	7.6
M08	24-Oct-05	MID-EBB	6.4	24-Oct-05	MID-FLOOD	5.0
M08	26-Oct-05	MID-EBB	5.3	26-Oct-05	MID-FLOOD	5.7
M08	28-Oct-05	MID-EBB	5.6	28-Oct-05	MID-FLOOD	7.9
M09	01-Aug-05	MID-EBB	2.5	01-Aug-05	MID-FLOOD	2.6
M09	03-Aug-05	MID-EBB	4.7	03-Aug-05	MID-FLOOD	4.6
M09	05-Aug-05	MID-EBB	5.5	05-Aug-05	MID-FLOOD	4.4



**Baseline Results (DA)**

STN	DATE	TIDE	SS	DATE	TIDE	SS
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**Impact Monitoring Results (DA)**

STN	DATE	TIDE	SS	DATE	TIDE	SS
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M11	30-Sep-05	MID-EBB	5.9	30-Sep-05	MID-FLOOD	6.7
M11	03-Oct-05	MID-EBB	6.8	03-Oct-05	MID-FLOOD	6.7
M11	05-Oct-05	MID-EBB	6.5	05-Oct-05	MID-FLOOD	10.4
M11	07-Oct-05	MID-EBB	7.4	07-Oct-05	MID-FLOOD	6.9
M11	10-Oct-05	MID-EBB	9.6	10-Oct-05	MID-FLOOD	7.4
M11	12-Oct-05	MID-EBB	5.8	12-Oct-05	MID-FLOOD	6.9
M11	14-Oct-05	MID-EBB	6.3	14-Oct-05	MID-FLOOD	7.8
M11	17-Oct-05	MID-EBB	8.8	17-Oct-05	MID-FLOOD	8.7
M11	19-Oct-05	MID-EBB	8.6	19-Oct-05	MID-FLOOD	8.8
M11	21-Oct-05	MID-EBB	8.4	21-Oct-05	MID-FLOOD	7.3
M11	24-Oct-05	MID-EBB	8.0	38649	MID-FLOOD	7.055
M11	26-Oct-05	MID-EBB	8.9	38651	MID-FLOOD	4.89
M11	28-Oct-05	MID-EBB	6.7	38653	MID-FLOOD	8.61
M12	01-Aug-05	MID-EBB	3.2	38565	MID-FLOOD	3.89
M12	38567	MID-EBB	6.11	38567	MID-FLOOD	4.78
M12	38569	MID-EBB	7	38569	MID-FLOOD	5.22
M12	38572	MID-EBB	5.445	38572	MID-FLOOD	5
M12	38574	MID-EBB	5	38574	MID-FLOOD	5.445
M12	38576	MID-EBB	3.33	38576	MID-FLOOD	2.78
M12	38579	MID-EBB	5.445	38579	MID-FLOOD	3.22
M12	38581	MID-EBB	4.555	38581	MID-FLOOD	10.33
M12	38583	MID-EBB	9.22	38583	MID-FLOOD	5.445
M12	38586	MID-EBB	4.555	38586	MID-FLOOD	5
M12	38588	MID-EBB	6.11	38588	MID-FLOOD	5.22
M12	38590	MID-EBB	4.33	38590	MID-FLOOD	3.67
M12	38593	MID-EBB	4.78	38593	MID-FLOOD	5.89
M12	38595	MID-EBB	5.89	38595	MID-FLOOD	11
M12	38597	MID-EBB	4.555	38597	MID-FLOOD	4.555
M12	38600	MID-EBB	5.89	38600	MID-FLOOD	7.67
M12	38602	MID-EBB	5.78	38602	MID-FLOOD	9
M12	38604	MID-EBB	7.67	38604	MID-FLOOD	12.11
M12	38607	MID-EBB	7	38607	MID-FLOOD	6.78
M12	38609	MID-EBB	6.555	38609	MID-FLOOD	9
M12	38611	MID-EBB	11	38611	MID-FLOOD	9.22
M12	38615	MID-EBB	11.22	38615	MID-FLOOD	15.165
M12	38617	MID-EBB	7.445	38617	MID-FLOOD	12.39
M12	38621	MID-EBB	5.89	38621	MID-FLOOD	11.945
M12	38623	MID-EBB	9.22	38623	MID-FLOOD	5.445
M12	38625	MID-EBB	6.78	38625	MID-FLOOD	5.445
M12	38628	MID-EBB	11	38628	MID-FLOOD	6.555
M12	38630	MID-EBB	7.22	38630	MID-FLOOD	9.89
M12	38632	MID-EBB	9	38632	MID-FLOOD	12.165
M12	38635	MID-EBB	7.67	38635	MID-FLOOD	9.67
M12	38637	MID-EBB	8.33	38637	MID-FLOOD	10.555
M12	38639	MID-EBB	7.445	38639	MID-FLOOD	9.445
M12	38642	MID-EBB	7.89	38642	MID-FLOOD	8.11
M12	38644	MID-EBB	12.055	38644	MID-FLOOD	10.78
M12	38646	MID-EBB	8.615	38646	MID-FLOOD	10.11
M12	38649	MID-EBB	6.555	38649	MID-FLOOD	5.67
M12	38651	MID-EBB	8.78	38651	MID-FLOOD	5.67
M12	38653	MID-EBB	7.67	38653	MID-FLOOD	9.445

$$\begin{aligned}
 n_2 &= 1064 \\
 \bar{x}_2 &= 6.6 \\
 \sum (x_i - \bar{x}_2)^2 &= 5813 \\
 \sigma_2 &= 2.5
 \end{aligned}$$