

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	28-Feb-03	Mid-Flood	9	M01A	15-Sep-06	MID-EBB	4	15-Sep-06	MID-FLOOD	7
M06	5-Mar-03	Mid-Ebb	10	7-Mar-03	Mid-Flood	10	M01A	18-Sep-06	MID-EBB	7	18-Sep-06	MID-FLOOD	7
M06	17-Mar-03	Mid-Ebb	7	19-Mar-03	Mid-Flood	10	M01A	20-Sep-06	MID-EBB	7	20-Sep-06	MID-FLOOD	7
M06	24-Mar-03	Mid-Ebb	6	27-Mar-03	Mid-Flood	7	M01A	22-Sep-06	MID-EBB	7	22-Sep-06	MID-FLOOD	6
M06	2-Apr-03	Mid-Ebb	7	4-Apr-03	Mid-Flood	7	M01A	25-Sep-06	MID-EBB	8	25-Sep-06	MID-FLOOD	11
M06	9-Apr-03	Mid-Ebb	8	14-Apr-03	Mid-Flood	10	M01A	27-Sep-06	MID-EBB	6	27-Sep-06	MID-FLOOD	12
M07	6-Feb-03	Mid-Ebb	4	6-Feb-03	Mid-Flood	5	M01A	29-Sep-06	MID-EBB	8	29-Sep-06	MID-FLOOD	7
M07	8-Feb-03	Mid-Ebb	4	8-Feb-03	Mid-Flood	5	M01A	2-Oct-06	MID-EBB	8	2-Oct-06	MID-FLOOD	6
M07	10-Feb-03	Mid-Ebb	5	10-Feb-03	Mid-Flood	4	M01A	4-Oct-06	MID-EBB	7	4-Oct-06	MID-FLOOD	9
M07	14-Feb-03	Mid-Ebb	5	14-Feb-03	Mid-Flood	5	M01A	6-Oct-06	MID-EBB	11	6-Oct-06	MID-FLOOD	9
M07	18-Feb-03	Mid-Ebb	5	17-Feb-03	Mid-Flood	7	M01A	9-Oct-06	MID-EBB	8	9-Oct-06	MID-FLOOD	10
M07	19-Feb-03	Mid-Ebb	9	19-Feb-03	Mid-Flood	8	M01A	11-Oct-06	MID-EBB	9	11-Oct-06	MID-FLOOD	9
M07	21-Feb-03	Mid-Ebb	7	21-Feb-03	Mid-Flood	7	M01A	13-Oct-06	MID-EBB	9	13-Oct-06	MID-FLOOD	10
M07	24-Feb-03	Mid-Ebb	5	24-Feb-03	Mid-Flood	6	M01A	16-Oct-06	MID-EBB	7	16-Oct-06	MID-FLOOD	9
M07	28-Feb-03	Mid-Ebb	6	28-Feb-03	Mid-Flood	7	M01A	18-Oct-06	MID-EBB	6	18-Oct-06	MID-FLOOD	9
M07	3-Mar-03	Mid-Ebb	8	3-Mar-03	Mid-Flood	7	M01A	20-Oct-06	MID-EBB	10	20-Oct-06	MID-FLOOD	10
M07	5-Mar-03	Mid-Ebb	6	5-Mar-03	Mid-Flood	7	M01A	23-Oct-06	MID-EBB	9	23-Oct-06	MID-FLOOD	15
M07	7-Mar-03	Mid-Ebb	7	7-Mar-03	Mid-Flood	8	M01A	25-Oct-06	MID-EBB	11	25-Oct-06	MID-FLOOD	11
M07	10-Mar-03	Mid-Ebb	6	10-Mar-03	Mid-Flood	7	M01A	27-Oct-06	MID-EBB	13	27-Oct-06	MID-FLOOD	14
M07	17-Mar-03	Mid-Ebb	8	17-Mar-03	Mid-Flood	7	M01A	31-Oct-06	MID-EBB	8	31-Oct-06	MID-FLOOD	7
M07	19-Mar-03	Mid-Ebb	11	19-Mar-03	Mid-Flood	9	M02A	4-Aug-06	MID-EBB	6	2-Aug-06	MID-FLOOD	4
M07	22-Mar-03	Mid-Ebb	8	22-Mar-03	Mid-Flood	9	M02A	7-Aug-06	MID-EBB	5	4-Aug-06	MID-FLOOD	5
M07	24-Mar-03	Mid-Ebb	10	24-Mar-03	Mid-Flood	7	M02A	9-Aug-06	MID-EBB	4	7-Aug-06	MID-FLOOD	3
M07	26-Mar-03	Mid-Ebb	8	27-Mar-03	Mid-Flood	6	M02A	11-Aug-06	MID-EBB	5	9-Aug-06	MID-FLOOD	4
M07	31-Mar-03	Mid-Ebb	7	31-Mar-03	Mid-Flood	6	M02A	14-Aug-06	MID-EBB	4	11-Aug-06	MID-FLOOD	7
M07	2-Apr-03	Mid-Ebb	7	2-Apr-03	Mid-Flood	5	M02A	16-Aug-06	MID-EBB	7	14-Aug-06	MID-FLOOD	4
M07	4-Apr-03	Mid-Ebb	6	4-Apr-03	Mid-Flood	6	M02A	18-Aug-06	MID-EBB	6	16-Aug-06	MID-FLOOD	6
M07	7-Apr-03	Mid-Ebb	7	7-Apr-03	Mid-Flood	5	M02A	21-Aug-06	MID-EBB	4	18-Aug-06	MID-FLOOD	7
M07	9-Apr-03	Mid-Ebb	6	9-Apr-03	Mid-Flood	6	M02A	23-Aug-06	MID-EBB	5	21-Aug-06	MID-FLOOD	4
M07	14-Apr-03	Mid-Ebb	5	14-Apr-03	Mid-Flood	9	M02A	25-Aug-06	MID-EBB	8	23-Aug-06	MID-FLOOD	8
M07	16-Apr-03	Mid-Ebb	7	16-Apr-03	Mid-Flood	8	M02A	28-Aug-06	MID-EBB	7	25-Aug-06	MID-FLOOD	5
M08	6-Feb-03	Mid-Ebb	4	6-Feb-03	Mid-Flood	5	M02A	30-Aug-06	MID-EBB	8	28-Aug-06	MID-FLOOD	6
M08	8-Feb-03	Mid-Ebb	5	8-Feb-03	Mid-Flood	5	M02A	1-Sep-06	MID-EBB	6	30-Aug-06	MID-FLOOD	6
M08	10-Feb-03	Mid-Ebb	5	10-Feb-03	Mid-Flood	4	M02A	4-Sep-06	MID-EBB	5	1-Sep-06	MID-FLOOD	7
M08	14-Feb-03	Mid-Ebb	5	14-Feb-03	Mid-Flood	4	M02A	6-Sep-06	MID-EBB	4	4-Sep-06	MID-FLOOD	6
M08	18-Feb-03	Mid-Ebb	6	17-Feb-03	Mid-Flood	8	M02A	8-Sep-06	MID-EBB	4	6-Sep-06	MID-FLOOD	4
M08	19-Feb-03	Mid-Ebb	7	19-Feb-03	Mid-Flood	10	M02A	11-Sep-06	MID-EBB	4	8-Sep-06	MID-FLOOD	5
M08	21-Feb-03	Mid-Ebb	8	21-Feb-03	Mid-Flood	6	M02A	13-Sep-06	MID-EBB	7	11-Sep-06	MID-FLOOD	7
M08	24-Feb-03	Mid-Ebb	6	24-Feb-03	Mid-Flood	4	M02A	15-Sep-06	MID-EBB	4	15-Sep-06	MID-FLOOD	5
M08	28-Feb-03	Mid-Ebb	5	28-Feb-03	Mid-Flood	7	M02A	18-Sep-06	MID-EBB	5	18-Sep-06	MID-FLOOD	6
M08	3-Mar-03	Mid-Ebb	7	3-Mar-03	Mid-Flood	8	M02A	20-Sep-06	MID-EBB	6	20-Sep-06	MID-FLOOD	7
M08	5-Mar-03	Mid-Ebb	6	5-Mar-03	Mid-Flood	7	M02A	22-Sep-06	MID-EBB	6	22-Sep-06	MID-FLOOD	7
M08	7-Mar-03	Mid-Ebb	7	7-Mar-03	Mid-Flood	7	M02A	25-Sep-06	MID-EBB	7	25-Sep-06	MID-FLOOD	10
M08	10-Mar-03	Mid-Ebb	9	10-Mar-03	Mid-Flood	6	M02A	27-Sep-06	MID-EBB	6	27-Sep-06	MID-FLOOD	9
M08	17-Mar-03	Mid-Ebb	8	17-Mar-03	Mid-Flood	9	M02A	29-Sep-06	MID-EBB	7	29-Sep-06	MID-FLOOD	11
M08	19-Mar-03	Mid-Ebb	10	19-Mar-03	Mid-Flood	9	M02A	2-Oct-06	MID-EBB	8	2-Oct-06	MID-FLOOD	6
M08	22-Mar-03	Mid-Ebb	7	22-Mar-03	Mid-Flood	10	M02A	4-Oct-06	MID-EBB	5	4-Oct-06	MID-FLOOD	8
M08	24-Mar-03	Mid-Ebb	6	24-Mar-03	Mid-Flood	7	M02A	6-Oct-06	MID-EBB	9	6-Oct-06	MID-FLOOD	12
M08	26-Mar-03	Mid-Ebb	6	27-Mar-03	Mid-Flood	5	M02A	9-Oct-06	MID-EBB	5	9-Oct-06	MID-FLOOD	14
M08	31-Mar-03	Mid-Ebb	7	31-Mar-03	Mid-Flood	5	M02A	11-Oct-06	MID-EBB	6	11-Oct-06	MID-FLOOD	11
M08	2-Apr-03	Mid-Ebb	7	2-Apr-03	Mid-Flood	6	M02A	13-Oct-06	MID-EBB	10	13-Oct-06	MID-FLOOD	7
M08	4-Apr-03	Mid-Ebb	7	4-Apr-03	Mid-Flood	6	M02A	16-Oct-06	MID-EBB	7	16-Oct-06	MID-FLOOD	7
M08	7-Apr-03	Mid-Ebb	7	7-Apr-03	Mid-Flood	5	M02A	18-Oct-06	MID-EBB	11	18-Oct-06	MID-FLOOD	8
M08	9-Apr-03	Mid-Ebb	5	9-Apr-03	Mid-Flood	5	M02A	20-Oct-06	MID-EBB	5	20-Oct-06	MID-FLOOD	9
M08	14-Apr-03	Mid-Ebb	6	14-Apr-03	Mid-Flood	6	M02A	23-Oct-06	MID-EBB	7	23-Oct-06	MID-FLOOD	9
M08	16-Apr-03	Mid-Ebb	7	16-Apr-03	Mid-Flood	8	M02A	25-Oct-06	MID-EBB	15	25-Oct-06	MID-FLOOD	10
M09	6-Feb-03	Mid-Ebb	6	6-Feb-03	Mid-Flood	5	M02A	27-Oct-06	MID-EBB	10	27-Oct-06	MID-FLOOD	7
M09	8-Feb-03	Mid-Ebb	6	8-Feb-03	Mid-Flood	5	M02A	31-Oct-06	MID-EBB	7	31-Oct-06	MID-FLOOD	5
M09	10-Feb-03	Mid-Ebb	5	10-Feb-03	Mid-Flood	4	M03	4-Aug-06	MID-EBB	13	2-Aug-06	MID-FLOOD	7
M09	14-Feb-03	Mid-Ebb	5	14-Feb-03	Mid-Flood	5	M03	7-Aug-06	MID-EBB	4	4-Aug-06	MID-FLOOD	5
M09	18-Feb-03	Mid-Ebb	6	17-Feb-03	Mid-Flood	6	M03	9-Aug-06	MID-EBB	4	7-Aug-06	MID-FLOOD	8
M09	19-Feb-03	Mid-Ebb	6	19-Feb-03	Mid-Flood	7	M03	11-Aug-06	MID-EBB	3	9-Aug-06	MID-FLOOD	6
M09	21-Feb-03	Mid-Ebb	7	21-Feb-03	Mid-Flood	7	M03	14-Aug-06	MID-EBB	6	11-Aug-06	MID-FLOOD	5
M09	24-Feb-03	Mid-Ebb	7	24-Feb-03	Mid-Flood	7	M03	16-Aug-06	MID-EBB	6	14-Aug-06	MID-FLOOD	6
M09	28-Feb-03	Mid-Ebb	6	28-Feb-03	Mid-Flood	7	M03	18-Aug-06	MID-EBB	7	16-Aug-06	MID-FLOOD	6
M09	3-Mar-03	Mid-Ebb	7	3-Mar-03	Mid-Flood	7	M03	21-Aug-06	MID-EBB	4	18-Aug-06	MID-FLOOD	8
M09	5-Mar-03	Mid-Ebb	6	5-Mar-03	Mid-Flood	6	M03	23-Aug-06	MID-EBB	5	21-Aug-06	MID-FLOOD	4
M09	7-Mar-03	Mid-Ebb	7	7-Mar-03	Mid-Flood	8	M03	25-Aug-06	MID-EBB	8	23-Aug-06	MID-FLOOD	12
M09	10-Mar-03	Mid-Ebb	7	10-Mar-03	Mid-Flood	7	M03	28-Aug-06	MID-EBB	4	25-Aug-06	MID-FLOOD	10
M09	17-Mar-03	Mid-Ebb	10	17-Mar-03	Mid-Flood	8	M03	30-Aug-06	MID-EBB	7	28-Aug-06	MID-FLOOD	4
M09	19-Mar-03	Mid-Ebb	10	19-Mar-03	Mid-Flood	9	M03	1-Sep-06	MID-EBB	7	30-Aug-06	MID-FLOOD	7
M09	22-Mar-03	Mid-Ebb	8	22-Mar-03	Mid-Flood	9	M03	4-Sep-06	MID-EBB	9	1-Sep-06	MID-FLOOD	3
M09	24-Mar-03	Mid-Ebb	10	24-Mar-03	Mid-Flood	7	M03	6-Sep-06	MID-EBB	5	4-Sep-06	MID-FLOOD	8
M09	26-Mar-03	Mid-Ebb	11	27-Mar-03	Mid-Flood	6	M03	8-Sep-06	MID-EBB	5	6-Sep-06	MID-FLOOD	7
M09	31-Mar-03	Mid-Ebb	7	31-Mar-03	Mid-Flood	7	M03	11-Sep-06	MID-EBB	5	8-Sep-06	MID-FLOOD	6
M09	2-Apr-03	Mid-Ebb	7	2-Apr-03	Mid-Flood	5	M03	13-Sep-06	MID-EBB	6	11-Sep-06	MID-FLOOD	6
M09	4-Apr-03	Mid-Ebb	7	4-Apr-03	Mid-Flood	5	M03	15-Sep-06	MID-EBB	5	15-Sep-06	MID-FLOOD	6
M09	7-Apr-03	Mid-Ebb	7	7-Apr-03	Mid-Flood	5	M03	18-Sep-06	MID-EBB	6	18-Sep-06	MID-FLOOD	7
M09	9-Apr-03	Mid-Ebb	6	9-Apr-03	Mid-Flood	4	M03	20-Sep-06	MID-EBB	4	20-Sep-06	MID-FLOOD	7
M09	14-Apr-03	Mid-Ebb	5	14-Apr-03	Mid-Flood	6	M03	22-Sep-06	MID-EBB	7	22-Sep-06	MID-FLOOD	8
M09	16-Apr-03	Mid-Ebb	7	16-Apr-03	Mid-Flood	7	M03	25-Sep-06	MID-EBB	11	25-Sep-06	MID-FLOOD	11
M10	6-Feb-03	Mid-Ebb	3	6-Feb-03	Mid-Flood	5	M03	27-Sep-06	MID-EBB	7	27-Sep-06	MID-FLOOD	13
M10	8-Feb-03	Mid-Ebb	6	8-Feb-03	Mid-Flood	5	M03	29-Sep-06	MID-EBB	14	29-Sep-06	MID-FLOOD	6
M10	10-Feb-03	Mid-Ebb	5	10-Feb-03	Mid-Flood	4	M03	2-Oct-06	MID-EBB	7	2-Oct-06	MID-FLOOD	6
M10	14-Feb-03	Mid-Ebb	5	14-Feb-03	Mid-Flood	6	M03	4-Oct-06	MID-EBB	5	4-Oct-06	MID-FLOOD	12
M10	18-Feb-03	Mid-Ebb	6	17-Feb-03	Mid-Flood	8	M03	6-Oct-06	MID-EBB	7	6-Oct-06	MID-FLOOD	7
M10	19-Feb-03	Mid-Ebb	6	19-Feb-03	Mid-Flood	8	M03	9-Oct-06	MID-EBB	8	9-Oct-06	MID-FLOOD	11
M10	21-Feb-03	Mid-Ebb	8	21-Feb-03	Mid-Flood	6	M03	11-Oct-06	MID-EBB	11	11-Oct-06	MID-FLOOD	14
M10	24-Feb-03	Mid-Ebb	6	24-Feb-03	Mid-Flood	5	M03	13-Oct-06	MID-EBB	12	13-Oct-06	MID-FLOOD	12
M10	28-Feb-03	Mid-Ebb	4	28-Feb-03	Mid-Flood	7	M03	16-Oct-06	MID-EBB	7	16-Oct-06	MID-FLOOD	10
M10	3-Mar-03	Mid-Ebb	7	3-Mar-03	Mid-Flood	9	M03	18-Oct-06	MID-EBB	9	18-Oct-06	MID-FLOOD	9
M10	5-Mar-03	Mid-Ebb	6	5-Mar-03	Mid-Flood	6	M03	20-Oct-06	MID-EBB	8	20-Oct-06	MID-FLOOD	9
M10	7-Mar-03	Mid-Ebb	8	7-Mar-03	Mid-Flood	8	M03	23-Oct-06	MID-EBB	9	23-Oct-06	MID-FLOOD	9
M10	10-Mar-03	Mid-Ebb	6	10-Mar-03	Mid-Flood	7	M03	25-Oct-06	MID-EBB	13	25-Oct-06	MID-FLOOD	10
M10	17-Mar-03	Mid-Ebb	8	17-Mar-03	Mid-Flood	7	M03	27-Oct-06	MID-EBB	9	27-Oct-06	MID-FLOOD	13
M10	19-Mar-03	Mid-Ebb	10	19-Mar-03	Mid-Flood	10	M03	31-Oct-06	MID-EBB	7	31-Oct-06	MID-FLOOD	10
M10	22-Mar-03	Mid-Ebb	7	22-Mar-03	Mid-Flood	10	M04A	4-Aug-06	MID-EBB	8	2-Aug-06	MID-FLOOD	5
M10	24-Mar-03	Mid-Ebb	5	24-Mar-03	Mid-Flood	8	M04A	7-Aug-06	MID-EBB	6	4-Aug-06	MID-FLOOD	4

Baseline Results (DA)						
STN	DATE	TIDE	SS	DATE	TIDE	SS
M10	26-Mar-03	Mid-Ebb	7	27-Mar-03	Mid-Flood	5
M10	31-Mar-03	Mid-Ebb	8	31-Mar-03	Mid-Flood	6
M10	2-Apr-03	Mid-Ebb	7	2-Apr-03	Mid-Flood	6
M10	4-Apr-03	Mid-Ebb	7	4-Apr-03	Mid-Flood	8
M10	7-Apr-03	Mid-Ebb	7	7-Apr-03	Mid-Flood	6
M10	9-Apr-03	Mid-Ebb	5	9-Apr-03	Mid-Flood	7
M10	14-Apr-03	Mid-Ebb	6	14-Apr-03	Mid-Flood	8
M10	16-Apr-03	Mid-Ebb	8	16-Apr-03	Mid-Flood	6
M11	6-Feb-03	Mid-Ebb	6	8-Feb-03	Mid-Flood	6
M11	14-Feb-03	Mid-Ebb	8	17-Feb-03	Mid-Flood	8
M11	21-Feb-03	Mid-Ebb	9	24-Feb-03	Mid-Flood	8
M11	3-Mar-03	Mid-Ebb	9	5-Mar-03	Mid-Flood	9
M11	10-Mar-03	Mid-Ebb	10	17-Mar-03	Mid-Flood	11
M11	22-Mar-03	Mid-Ebb	10	24-Mar-03	Mid-Flood	7
M11	31-Mar-03	Mid-Ebb	9	2-Apr-03	Mid-Flood	8
M11	7-Apr-03	Mid-Ebb	8	9-Apr-03	Mid-Flood	8
M11	16-Apr-03	Mid-Ebb	7	6-Feb-03	Mid-Flood	5
M12	10-Feb-03	Mid-Ebb	7	14-Feb-03	Mid-Flood	7
M12	19-Feb-03	Mid-Ebb	9	21-Feb-03	Mid-Flood	9
M12	28-Feb-03	Mid-Ebb	9	3-Mar-03	Mid-Flood	10
M12	7-Mar-03	Mid-Ebb	9	10-Mar-03	Mid-Flood	9
M12	19-Mar-03	Mid-Ebb	10	22-Mar-03	Mid-Flood	8
M12	26-Mar-03	Mid-Ebb	8	31-Mar-03	Mid-Flood	9
M12	4-Apr-03	Mid-Ebb	8	7-Apr-03	Mid-Flood	10
M12	14-Apr-03	Mid-Ebb	8	16-Apr-03	Mid-Flood	3

$$n_1 = 434$$

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

$$\sigma_1 = 2.3$$

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

By applying the equation:

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

& testing $H_0: \mu = \mu_0$

$$Z_{0.05} = -1.645$$

$$\bar{X} - \mu_0 = -2.48$$

$$\sigma / \sqrt{n} = 0.07$$

Thus, $z = -34.86$

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	9-Aug-06	MID-EBB	5	7-Aug-06	MID-FLOOD	7
M04A	11-Aug-06	MID-EBB	4	9-Aug-06	MID-FLOOD	5
M04A	14-Aug-06	MID-EBB	4	11-Aug-06	MID-FLOOD	5
M04A	16-Aug-06	MID-EBB	5	14-Aug-06	MID-FLOOD	8
M04A	18-Aug-06	MID-EBB	8	16-Aug-06	MID-FLOOD	8
M04A	21-Aug-06	MID-EBB	4	18-Aug-06	MID-FLOOD	10
M04A	23-Aug-06	MID-EBB	4	21-Aug-06	MID-FLOOD	11
M04A	25-Aug-06	MID-EBB	8	23-Aug-06	MID-FLOOD	13
M04A	28-Aug-06	MID-EBB	5	25-Aug-06	MID-FLOOD	8
M04A	30-Aug-06	MID-EBB	7	28-Aug-06	MID-FLOOD	4
M04A	1-Sep-06	MID-EBB	5	30-Aug-06	MID-FLOOD	8
M04A	4-Sep-06	MID-EBB	4	1-Sep-06	MID-FLOOD	3
M04A	6-Sep-06	MID-EBB	4	4-Sep-06	MID-FLOOD	7
M04A	8-Sep-06	MID-EBB	4	6-Sep-06	MID-FLOOD	7
M04A	11-Sep-06	MID-EBB	5	8-Sep-06	MID-FLOOD	7
M04A	13-Sep-06	MID-EBB	7	11-Sep-06	MID-FLOOD	8
M04A	15-Sep-06	MID-EBB	4	15-Sep-06	MID-FLOOD	9
M04A	18-Sep-06	MID-EBB	6	18-Sep-06	MID-FLOOD	9
M04A	20-Sep-06	MID-EBB	4	20-Sep-06	MID-FLOOD	7
M04A	22-Sep-06	MID-EBB	7	22-Sep-06	MID-FLOOD	5
M04A	25-Sep-06	MID-EBB	10	25-Sep-06	MID-FLOOD	10
M04A	27-Sep-06	MID-EBB	6	27-Sep-06	MID-FLOOD	7
M04A	29-Sep-06	MID-EBB	13	29-Sep-06	MID-FLOOD	8
M04A	2-Oct-06	MID-EBB	4	2-Oct-06	MID-FLOOD	6
M04A	4-Oct-06	MID-EBB	11	4-Oct-06	MID-FLOOD	7
M04A	6-Oct-06	MID-EBB	7	6-Oct-06	MID-FLOOD	7
M04A	9-Oct-06	MID-EBB	8	9-Oct-06	MID-FLOOD	9
M04A	11-Oct-06	MID-EBB	9	11-Oct-06	MID-FLOOD	14
M04A	13-Oct-06	MID-EBB	11	13-Oct-06	MID-FLOOD	15
M04A	16-Oct-06	MID-EBB	6	16-Oct-06	MID-FLOOD	11
M04A	18-Oct-06	MID-EBB	7	18-Oct-06	MID-FLOOD	8
M04A	20-Oct-06	MID-EBB	10	20-Oct-06	MID-FLOOD	9
M04A	23-Oct-06	MID-EBB	10	23-Oct-06	MID-FLOOD	11
M04A	25-Oct-06	MID-EBB	13	25-Oct-06	MID-FLOOD	10
M04A	27-Oct-06	MID-EBB	11	27-Oct-06	MID-FLOOD	9
M04A	31-Oct-06	MID-EBB	8	31-Oct-06	MID-FLOOD	7
M05	4-Aug-06	MID-EBB	5	2-Aug-06	MID-FLOOD	5
M05	7-Aug-06	MID-EBB	4	4-Aug-06	MID-FLOOD	5
M05	9-Aug-06	MID-EBB	5	7-Aug-06	MID-FLOOD	4
M05	11-Aug-06	MID-EBB	5	9-Aug-06	MID-FLOOD	5
M05	14-Aug-06	MID-EBB	4	11-Aug-06	MID-FLOOD	4
M05	16-Aug-06	MID-EBB	7	14-Aug-06	MID-FLOOD	5
M05	18-Aug-06	MID-EBB	9	16-Aug-06	MID-FLOOD	8
M05	21-Aug-06	MID-EBB	4	18-Aug-06	MID-FLOOD	9
M05	23-Aug-06	MID-EBB	5	21-Aug-06	MID-FLOOD	4
M05	25-Aug-06	MID-EBB	9	23-Aug-06	MID-FLOOD	12
M05	28-Aug-06	MID-EBB	8	25-Aug-06	MID-FLOOD	6
M05	30-Aug-06	MID-EBB	12	28-Aug-06	MID-FLOOD	6
M05	1-Sep-06	MID-EBB	8	30-Aug-06	MID-FLOOD	8
M05	4-Sep-06	MID-EBB	5	1-Sep-06	MID-FLOOD	8
M05	6-Sep-06	MID-EBB	5	4-Sep-06	MID-FLOOD	6
M05	8-Sep-06	MID-EBB	5	6-Sep-06	MID-FLOOD	7
M05	11-Sep-06	MID-EBB	5	8-Sep-06	MID-FLOOD	5
M05	13-Sep-06	MID-EBB	5	11-Sep-06	MID-FLOOD	4
M05	15-Sep-06	MID-EBB	4	15-Sep-06	MID-FLOOD	5
M05	18-Sep-06	MID-EBB	5	18-Sep-06	MID-FLOOD	7
M05	20-Sep-06	MID-EBB	5	20-Sep-06	MID-FLOOD	7
M05	22-Sep-06	MID-EBB	6	22-Sep-06	MID-FLOOD	8
M05	25-Sep-06	MID-EBB	10	25-Sep-06	MID-FLOOD	8
M05	27-Sep-06	MID-EBB	8	27-Sep-06	MID-FLOOD	9
M05	29-Sep-06	MID-EBB	8	29-Sep-06	MID-FLOOD	9
M05	2-Oct-06	MID-EBB	5	2-Oct-06	MID-FLOOD	6
M05	4-Oct-06	MID-EBB	9	4-Oct-06	MID-FLOOD	9
M05	6-Oct-06	MID-EBB	6	6-Oct-06	MID-FLOOD	7
M05	9-Oct-06	MID-EBB	10	9-Oct-06	MID-FLOOD	15
M05	11-Oct-06	MID-EBB	14	11-Oct-06	MID-FLOOD	11
M05	13-Oct-06	MID-EBB	12	13-Oct-06	MID-FLOOD	16
M05	16-Oct-06	MID-EBB	8	16-Oct-06	MID-FLOOD	15
M05	18-Oct-06	MID-EBB	8	18-Oct-06	MID-FLOOD	12
M05	20-Oct-06	MID-EBB	10	20-Oct-06	MID-FLOOD	9
M05	23-Oct-06	MID-EBB	11	23-Oct-06	MID-FLOOD	7
M05	25-Oct-06	MID-EBB	7	25-Oct-06	MID-FLOOD	7
M05	27-Oct-06	MID-EBB	14	27-Oct-06	MID-FLOOD	8
M05	31-Oct-06	MID-EBB	11	31-Oct-06	MID-FLOOD	9
M06	4-Aug-06	MID-EBB	5	2-Aug-06	MID-FLOOD	5
M06	7-Aug-06	MID-EBB	4	4-Aug-06	MID-FLOOD	4
M06	9-Aug-06	MID-EBB	5	7-Aug-06	MID-FLOOD	6
M06	11-Aug-06	MID-EBB	5	9-Aug-06	MID-FLOOD	5
M06	14-Aug-06	MID-EBB	5	11-Aug-06	MID-FLOOD	6
M06	16-Aug-06	MID-EBB	6	14-Aug-06	MID-FLOOD	9
M06	18-Aug-06	MID-EBB	6	16-Aug-06	MID-FLOOD	7
M06	21-Aug-06	MID-EBB	4	18-Aug-06	MID-FLOOD	7
M06	23-Aug-06	MID-EBB	5	21-Aug-06	MID-FLOOD	5
M06	25-Aug-06	MID-EBB	8	23-Aug-06	MID-FLOOD	7
M06	28-Aug-06	MID-EBB	7	25-Aug-06	MID-FLOOD	6
M06	30-Aug-06	MID-EBB	9	28-Aug-06	MID-FLOOD	6
M06	1-Sep-06	MID-EBB	5	30-Aug-06	MID-FLOOD	7
M06	4-Sep-06	MID-EBB	5	1-Sep-06	MID-FLOOD	6
M06	6-Sep-06	MID-EBB	4	4-Sep-06	MID-FLOOD	7
M06	8-Sep-06	MID-EBB	5	6-Sep-06	MID-FLOOD	6
M06	11-Sep-06	MID-EBB	6	8-Sep-06	MID-FLOOD	5
M06	13-Sep-06	MID-EBB	6	11-Sep-06	MID-FLOOD	7
M06	15-Sep-06	MID-EBB	4	15-Sep-06	MID-FLOOD	5

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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M06	18-Sep-06	MID-EBB	5	18-Sep-06	MID-FLOOD	7
M06	20-Sep-06	MID-EBB	6	20-Sep-06	MID-FLOOD	8
M06	22-Sep-06	MID-EBB	7	22-Sep-06	MID-FLOOD	8
M06	25-Sep-06	MID-EBB	9	25-Sep-06	MID-FLOOD	11
M06	27-Sep-06	MID-EBB	6	27-Sep-06	MID-FLOOD	8
M06	29-Sep-06	MID-EBB	9	29-Sep-06	MID-FLOOD	5
M06	2-Oct-06	MID-EBB	6	2-Oct-06	MID-FLOOD	6
M06	4-Oct-06	MID-EBB	7	4-Oct-06	MID-FLOOD	12
M06	6-Oct-06	MID-EBB	8	6-Oct-06	MID-FLOOD	7
M06	9-Oct-06	MID-EBB	8	9-Oct-06	MID-FLOOD	17
M06	11-Oct-06	MID-EBB	8	11-Oct-06	MID-FLOOD	9
M06	13-Oct-06	MID-EBB	8	13-Oct-06	MID-FLOOD	15
M06	16-Oct-06	MID-EBB	5	16-Oct-06	MID-FLOOD	8
M06	18-Oct-06	MID-EBB	6	18-Oct-06	MID-FLOOD	15
M06	20-Oct-06	MID-EBB	7	20-Oct-06	MID-FLOOD	11
M06	23-Oct-06	MID-EBB	8	23-Oct-06	MID-FLOOD	6
M06	25-Oct-06	MID-EBB	8	25-Oct-06	MID-FLOOD	12
M06	27-Oct-06	MID-EBB	9	27-Oct-06	MID-FLOOD	12
M06	31-Oct-06	MID-EBB	8	31-Oct-06	MID-FLOOD	7
M07	4-Aug-06	MID-EBB	5	2-Aug-06	MID-FLOOD	5
M07	7-Aug-06	MID-EBB	3	4-Aug-06	MID-FLOOD	4
M07	9-Aug-06	MID-EBB	3	7-Aug-06	MID-FLOOD	3
M07	11-Aug-06	MID-EBB	3	9-Aug-06	MID-FLOOD	4
M07	14-Aug-06	MID-EBB	4	11-Aug-06	MID-FLOOD	6
M07	16-Aug-06	MID-EBB	5	14-Aug-06	MID-FLOOD	3
M07	18-Aug-06	MID-EBB	6	16-Aug-06	MID-FLOOD	9
M07	21-Aug-06	MID-EBB	3	18-Aug-06	MID-FLOOD	7
M07	23-Aug-06	MID-EBB	4	21-Aug-06	MID-FLOOD	4
M07	25-Aug-06	MID-EBB	6	23-Aug-06	MID-FLOOD	7
M07	28-Aug-06	MID-EBB	6	25-Aug-06	MID-FLOOD	6
M07	30-Aug-06	MID-EBB	7	28-Aug-06	MID-FLOOD	5
M07	1-Sep-06	MID-EBB	5	30-Aug-06	MID-FLOOD	7
M07	4-Sep-06	MID-EBB	5	1-Sep-06	MID-FLOOD	6
M07	6-Sep-06	MID-EBB	4	4-Sep-06	MID-FLOOD	6
M07	8-Sep-06	MID-EBB	5	6-Sep-06	MID-FLOOD	5
M07	11-Sep-06	MID-EBB	5	8-Sep-06	MID-FLOOD	5
M07	13-Sep-06	MID-EBB	7	11-Sep-06	MID-FLOOD	5
M07	15-Sep-06	MID-EBB	4	15-Sep-06	MID-FLOOD	4
M07	18-Sep-06	MID-EBB	5	18-Sep-06	MID-FLOOD	7
M07	20-Sep-06	MID-EBB	6	20-Sep-06	MID-FLOOD	6
M07	22-Sep-06	MID-EBB	7	22-Sep-06	MID-FLOOD	7
M07	25-Sep-06	MID-EBB	6	25-Sep-06	MID-FLOOD	7
M07	27-Sep-06	MID-EBB	7	27-Sep-06	MID-FLOOD	9
M07	29-Sep-06	MID-EBB	5	29-Sep-06	MID-FLOOD	5
M07	2-Oct-06	MID-EBB	5	2-Oct-06	MID-FLOOD	6
M07	4-Oct-06	MID-EBB	4	4-Oct-06	MID-FLOOD	6
M07	6-Oct-06	MID-EBB	7	6-Oct-06	MID-FLOOD	6
M07	9-Oct-06	MID-EBB	8	9-Oct-06	MID-FLOOD	8
M07	11-Oct-06	MID-EBB	6	11-Oct-06	MID-FLOOD	13
M07	13-Oct-06	MID-EBB	8	13-Oct-06	MID-FLOOD	7
M07	16-Oct-06	MID-EBB	5	16-Oct-06	MID-FLOOD	7
M07	18-Oct-06	MID-EBB	6	18-Oct-06	MID-FLOOD	7
M07	20-Oct-06	MID-EBB	6	20-Oct-06	MID-FLOOD	6
M07	23-Oct-06	MID-EBB	7	23-Oct-06	MID-FLOOD	7
M07	25-Oct-06	MID-EBB	7	25-Oct-06	MID-FLOOD	9
M07	27-Oct-06	MID-EBB	7	27-Oct-06	MID-FLOOD	8
M07	31-Oct-06	MID-EBB	8	31-Oct-06	MID-FLOOD	6
M08	4-Aug-06	MID-EBB	5	2-Aug-06	MID-FLOOD	5
M08	7-Aug-06	MID-EBB	3	4-Aug-06	MID-FLOOD	5
M08	9-Aug-06	MID-EBB	4	7-Aug-06	MID-FLOOD	3
M08	11-Aug-06	MID-EBB	3	9-Aug-06	MID-FLOOD	3
M08	14-Aug-06	MID-EBB	5	11-Aug-06	MID-FLOOD	6
M08	16-Aug-06	MID-EBB	6	14-Aug-06	MID-FLOOD	3
M08	18-Aug-06	MID-EBB	7	16-Aug-06	MID-FLOOD	9
M08	21-Aug-06	MID-EBB	3	18-Aug-06	MID-FLOOD	7
M08	23-Aug-06	MID-EBB	5	21-Aug-06	MID-FLOOD	3
M08	25-Aug-06	MID-EBB	6	23-Aug-06	MID-FLOOD	6
M08	28-Aug-06	MID-EBB	6	25-Aug-06	MID-FLOOD	5
M08	30-Aug-06	MID-EBB	9	28-Aug-06	MID-FLOOD	5
M08	1-Sep-06	MID-EBB	5	30-Aug-06	MID-FLOOD	6
M08	4-Sep-06	MID-EBB	5	1-Sep-06	MID-FLOOD	6
M08	6-Sep-06	MID-EBB	4	4-Sep-06	MID-FLOOD	6
M08	8-Sep-06	MID-EBB	4	6-Sep-06	MID-FLOOD	5
M08	11-Sep-06	MID-EBB	5	8-Sep-06	MID-FLOOD	5
M08	13-Sep-06	MID-EBB	7	11-Sep-06	MID-FLOOD	9
M08	15-Sep-06	MID-EBB	4	15-Sep-06	MID-FLOOD	5
M08	18-Sep-06	MID-EBB	4	18-Sep-06	MID-FLOOD	7
M08	20-Sep-06	MID-EBB	6	20-Sep-06	MID-FLOOD	6
M08	22-Sep-06	MID-EBB	7	22-Sep-06	MID-FLOOD	6
M08	25-Sep-06	MID-EBB	7	25-Sep-06	MID-FLOOD	11
M08	27-Sep-06	MID-EBB	5	27-Sep-06	MID-FLOOD	6
M08	29-Sep-06	MID-EBB	6	29-Sep-06	MID-FLOOD	5
M08	2-Oct-06	MID-EBB	5	2-Oct-06	MID-FLOOD	6
M08	4-Oct-06	MID-EBB	4	4-Oct-06	MID-FLOOD	6
M08	6-Oct-06	MID-EBB	8	6-Oct-06	MID-FLOOD	6
M08	9-Oct-06	MID-EBB	8	9-Oct-06	MID-FLOOD	8
M08	11-Oct-06	MID-EBB	6	11-Oct-06	MID-FLOOD	6
M08	13-Oct-06	MID-EBB	8	13-Oct-06	MID-FLOOD	8
M08	16-Oct-06	MID-EBB	5	16-Oct-06	MID-FLOOD	6
M08	18-Oct-06	MID-EBB	6	18-Oct-06	MID-FLOOD	7
M08	20-Oct-06	MID-EBB	7	20-Oct-06	MID-FLOOD	8
M08	23-Oct-06	MID-EBB	7	23-Oct-06	MID-FLOOD	8
M08	25-Oct-06	MID-EBB	6	25-Oct-06	MID-FLOOD	11
M08	27-Oct-06	MID-EBB	7	27-Oct-06	MID-FLOOD	7
M08	31-Oct-06	MID-EBB	9	31-Oct-06	MID-FLOOD	7
M09	4-Aug-06	MID-EBB	5	2-Aug-06	MID-FLOOD	7
M09	7-Aug-06	MID-EBB	3	4-Aug-06	MID-FLOOD	4
M09	9-Aug-06	MID-EBB	4	7-Aug-06	MID-FLOOD	3

Baseline Results (DA)						
STN	DATE	TIDE	SS	DATE	TIDE	SS

Impact Monitoring Results (DA)						
STN	DATE	TIDE	SS	DATE	TIDE	SS
M11	2-Oct-06	MID-EBB	9	2-Oct-06	MID-FLOOD	5
M11	4-Oct-06	MID-EBB	7	4-Oct-06	MID-FLOOD	8
M11	6-Oct-06	MID-EBB	10	6-Oct-06	MID-FLOOD	11
M11	9-Oct-06	MID-EBB	9	9-Oct-06	MID-FLOOD	10
M11	11-Oct-06	MID-EBB	9	11-Oct-06	MID-FLOOD	10
M11	13-Oct-06	MID-EBB	9	13-Oct-06	MID-FLOOD	10
M11	16-Oct-06	MID-EBB	6	16-Oct-06	MID-FLOOD	9
M11	18-Oct-06	MID-EBB	8	18-Oct-06	MID-FLOOD	10
M11	20-Oct-06	MID-EBB	9	20-Oct-06	MID-FLOOD	8
M11	23-Oct-06	MID-EBB	10	23-Oct-06	MID-FLOOD	13
M11	25-Oct-06	MID-EBB	11	25-Oct-06	MID-FLOOD	10
M11	27-Oct-06	MID-EBB	12	27-Oct-06	MID-FLOOD	10
M11	31-Oct-06	MID-EBB	7	31-Oct-06	MID-FLOOD	6
M12	4-Aug-06	MID-EBB	6	2-Aug-06	MID-FLOOD	4
M12	7-Aug-06	MID-EBB	5	4-Aug-06	MID-FLOOD	4
M12	9-Aug-06	MID-EBB	4	7-Aug-06	MID-FLOOD	4
M12	11-Aug-06	MID-EBB	5	9-Aug-06	MID-FLOOD	4
M12	14-Aug-06	MID-EBB	4	11-Aug-06	MID-FLOOD	6
M12	16-Aug-06	MID-EBB	8	14-Aug-06	MID-FLOOD	12
M12	18-Aug-06	MID-EBB	6	16-Aug-06	MID-FLOOD	6
M12	21-Aug-06	MID-EBB	4	18-Aug-06	MID-FLOOD	7
M12	23-Aug-06	MID-EBB	10	21-Aug-06	MID-FLOOD	4
M12	25-Aug-06	MID-EBB	8	23-Aug-06	MID-FLOOD	9
M12	28-Aug-06	MID-EBB	8	25-Aug-06	MID-FLOOD	6
M12	30-Aug-06	MID-EBB	9	28-Aug-06	MID-FLOOD	6
M12	1-Sep-06	MID-EBB	5	30-Aug-06	MID-FLOOD	8
M12	4-Sep-06	MID-EBB	5	1-Sep-06	MID-FLOOD	5
M12	6-Sep-06	MID-EBB	5	4-Sep-06	MID-FLOOD	6
M12	8-Sep-06	MID-EBB	6	6-Sep-06	MID-FLOOD	6
M12	11-Sep-06	MID-EBB	6	8-Sep-06	MID-FLOOD	6
M12	13-Sep-06	MID-EBB	6	11-Sep-06	MID-FLOOD	9
M12	15-Sep-06	MID-EBB	4	15-Sep-06	MID-FLOOD	5
M12	18-Sep-06	MID-EBB	5	18-Sep-06	MID-FLOOD	6
M12	20-Sep-06	MID-EBB	7	20-Sep-06	MID-FLOOD	8
M12	22-Sep-06	MID-EBB	8	22-Sep-06	MID-FLOOD	9
M12	25-Sep-06	MID-EBB	8	25-Sep-06	MID-FLOOD	11
M12	27-Sep-06	MID-EBB	7	27-Sep-06	MID-FLOOD	7
M12	29-Sep-06	MID-EBB	8	29-Sep-06	MID-FLOOD	10
M12	2-Oct-06	MID-EBB	6	2-Oct-06	MID-FLOOD	7
M12	4-Oct-06	MID-EBB	9	4-Oct-06	MID-FLOOD	15
M12	6-Oct-06	MID-EBB	7	6-Oct-06	MID-FLOOD	8
M12	9-Oct-06	MID-EBB	9	9-Oct-06	MID-FLOOD	12
M12	11-Oct-06	MID-EBB	8	11-Oct-06	MID-FLOOD	9
M12	13-Oct-06	MID-EBB	7	13-Oct-06	MID-FLOOD	9
M12	16-Oct-06	MID-EBB	5	16-Oct-06	MID-FLOOD	9
M12	18-Oct-06	MID-EBB	9	18-Oct-06	MID-FLOOD	15
M12	20-Oct-06	MID-EBB	9	20-Oct-06	MID-FLOOD	11
M12	23-Oct-06	MID-EBB	8	23-Oct-06	MID-FLOOD	11
M12	25-Oct-06	MID-EBB	7	25-Oct-06	MID-FLOOD	12
M12	27-Oct-06	MID-EBB	9	27-Oct-06	MID-FLOOD	12
M12	31-Oct-06	MID-EBB	10	31-Oct-06	MID-FLOOD	7

$$\begin{aligned}
 n_2 &= 1064 \\
 \bar{x}_2 &= 6.8 \\
 \sum (x_i - \bar{x}_2)^2 &= 6009 \\
 \sigma_2 &= 2.4
 \end{aligned}$$