

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	STN	DATE	TIDE	SS
M01	06-Feb-03	Mid-Ebb	7	M01A	2-Nov-09	MID-EBB	8.45
M01	14-Feb-03	Mid-Ebb	8	M01A	4-Nov-09	MID-EBB	8.20
M01	21-Feb-03	Mid-Ebb	9	M01A	6-Nov-09	MID-EBB	6.70
M01	03-Mar-03	Mid-Ebb	9	M01A	9-Nov-09	MID-EBB	6.10
M01	10-Mar-03	Mid-Ebb	13	M01A	11-Nov-09	MID-EBB	7.90
M01	22-Mar-03	Mid-Ebb	8	M01A	13-Nov-09	MID-EBB	8.00
M01	31-Mar-03	Mid-Ebb	8	M01A	16-Nov-09	MID-EBB	7.35
M01	07-Apr-03	Mid-Ebb	9	M01A	18-Nov-09	MID-EBB	8.25
M01	16-Apr-03	Mid-Ebb	8	M01A	20-Nov-09	MID-EBB	5.85
M04	06-Feb-03	Mid-Ebb	6	M01A	23-Nov-09	MID-EBB	8.85
M04	14-Feb-03	Mid-Ebb	10	M01A	25-Nov-09	MID-EBB	7.75
M04	21-Feb-03	Mid-Ebb	7	M01A	27-Nov-09	MID-EBB	5.10
M04	03-Mar-03	Mid-Ebb	8	M01A	30-Nov-09	MID-EBB	6.50
M04	10-Mar-03	Mid-Ebb	9	M01A	2-Dec-09	MID-EBB	7.70
M04	22-Mar-03	Mid-Ebb	7	M01A	4-Dec-09	MID-EBB	6.45
M04	31-Mar-03	Mid-Ebb	9	M01A	7-Dec-09	MID-EBB	6.60
M04	07-Apr-03	Mid-Ebb	8	M01A	9-Dec-09	MID-EBB	4.95
M04	16-Apr-03	Mid-Ebb	6	M01A	11-Dec-09	MID-EBB	5.25
M05	10-Feb-03	Mid-Ebb	8	M01A	14-Dec-09	MID-EBB	4.65
M05	19-Feb-03	Mid-Ebb	8	M01A	16-Dec-09	MID-EBB	4.25
M05	28-Feb-03	Mid-Ebb	7	M01A	18-Dec-09	MID-EBB	5.90
M05	07-Mar-03	Mid-Ebb	8	M01A	21-Dec-09	MID-EBB	4.80
M05	19-Mar-03	Mid-Ebb	7	M01A	23-Dec-09	MID-EBB	3.90
M05	26-Mar-03	Mid-Ebb	7	M01A	25-Dec-09	MID-EBB	3.90
M05	04-Apr-03	Mid-Ebb	8	M01A	29-Dec-09	MID-EBB	5.50
M05	14-Apr-03	Mid-Ebb	7	M01A	31-Dec-09	MID-EBB	4.50
M06	08-Feb-03	Mid-Ebb	5	M01A	2-Jan-10	MID-EBB	5.10
M06	18-Feb-03	Mid-Ebb	9	M01A	4-Jan-10	MID-EBB	5.65
M06	24-Feb-03	Mid-Ebb	7	M01A	6-Jan-10	MID-EBB	6.60
M06	05-Mar-03	Mid-Ebb	10	M01A	8-Jan-10	MID-EBB	5.40
M06	17-Mar-03	Mid-Ebb	7	M01A	11-Jan-10	MID-EBB	4.05
M06	24-Mar-03	Mid-Ebb	6	M01A	13-Jan-10	MID-EBB	5.20
M06	02-Apr-03	Mid-Ebb	7	M01A	15-Jan-10	MID-EBB	6.55
M06	09-Apr-03	Mid-Ebb	8	M01A	18-Jan-10	MID-EBB	7.20
M07	06-Feb-03	Mid-Ebb	4	M01A	20-Jan-10	MID-EBB	7.60
M07	08-Feb-03	Mid-Ebb	4	M01A	22-Jan-10	MID-EBB	4.75
M07	10-Feb-03	Mid-Ebb	5	M01A	25-Jan-10	MID-EBB	5.40
M07	14-Feb-03	Mid-Ebb	5	M01A	27-Jan-10	MID-EBB	5.45
M07	18-Feb-03	Mid-Ebb	5	M01A	29-Jan-10	MID-EBB	6.50
M07	19-Feb-03	Mid-Ebb	9	M04B	2-Nov-09	MID-EBB	8.90
M07	21-Feb-03	Mid-Ebb	7	M04B	4-Nov-09	MID-EBB	7.70
M07	24-Feb-03	Mid-Ebb	5	M04B	6-Nov-09	MID-EBB	7.45
M07	28-Feb-03	Mid-Ebb	6	M04B	9-Nov-09	MID-EBB	5.65
M07	03-Mar-03	Mid-Ebb	8	M04B	11-Nov-09	MID-EBB	4.65
M07	05-Mar-03	Mid-Ebb	6	M04B	13-Nov-09	MID-EBB	6.15
M07	07-Mar-03	Mid-Ebb	7	M04B	16-Nov-09	MID-EBB	6.30
M07	10-Mar-03	Mid-Ebb	6	M04B	18-Nov-09	MID-EBB	9.95
M07	17-Mar-03	Mid-Ebb	8	M04B	20-Nov-09	MID-EBB	5.55
M07	19-Mar-03	Mid-Ebb	11	M04B	23-Nov-09	MID-EBB	7.85
M07	22-Mar-03	Mid-Ebb	8	M04B	25-Nov-09	MID-EBB	9.15
M07	24-Mar-03	Mid-Ebb	10	M04B	27-Nov-09	MID-EBB	6.00
M07	26-Mar-03	Mid-Ebb	8	M04B	30-Nov-09	MID-EBB	5.80
M07	31-Mar-03	Mid-Ebb	7	M04B	2-Dec-09	MID-EBB	8.75
M07	02-Apr-03	Mid-Ebb	7	M04B	4-Dec-09	MID-EBB	7.70
M07	04-Apr-03	Mid-Ebb	6	M04B	7-Dec-09	MID-EBB	7.00
M07	07-Apr-03	Mid-Ebb	7	M04B	9-Dec-09	MID-EBB	6.55
M07	09-Apr-03	Mid-Ebb	6	M04B	11-Dec-09	MID-EBB	4.90
M07	14-Apr-03	Mid-Ebb	5	M04B	14-Dec-09	MID-EBB	5.95
M07	16-Apr-03	Mid-Ebb	7	M04B	16-Dec-09	MID-EBB	4.55
M08	06-Feb-03	Mid-Ebb	4	M04B	18-Dec-09	MID-EBB	5.40
M08	08-Feb-03	Mid-Ebb	5	M04B	21-Dec-09	MID-EBB	5.00
M08	10-Feb-03	Mid-Ebb	5	M04B	23-Dec-09	MID-EBB	5.00
M08	14-Feb-03	Mid-Ebb	5	M04B	25-Dec-09	MID-EBB	3.70
M08	18-Feb-03	Mid-Ebb	6	M04B	29-Dec-09	MID-EBB	8.10
M08	19-Feb-03	Mid-Ebb	7	M04B	31-Dec-09	MID-EBB	5.40
M08	21-Feb-03	Mid-Ebb	8	M04B	2-Jan-10	MID-EBB	8.65
M08	24-Feb-03	Mid-Ebb	6	M04B	4-Jan-10	MID-EBB	6.15
M08	28-Feb-03	Mid-Ebb	5	M04B	6-Jan-10	MID-EBB	5.10
M08	03-Mar-03	Mid-Ebb	7	M04B	8-Jan-10	MID-EBB	4.60
M08	05-Mar-03	Mid-Ebb	6	M04B	11-Jan-10	MID-EBB	4.25
M08	07-Mar-03	Mid-Ebb	7	M04B	13-Jan-10	MID-EBB	6.20
M08	10-Mar-03	Mid-Ebb	9	M04B	15-Jan-10	MID-EBB	9.10
M08	17-Mar-03	Mid-Ebb	8	M04B	18-Jan-10	MID-EBB	5.95
M08	19-Mar-03	Mid-Ebb	10	M04B	20-Jan-10	MID-EBB	7.00
M08	22-Mar-03	Mid-Ebb	7	M04B	22-Jan-10	MID-EBB	4.00
M08	24-Mar-03	Mid-Ebb	6	M04B	25-Jan-10	MID-EBB	10.90
M08	26-Mar-03	Mid-Ebb	6	M04B	27-Jan-10	MID-EBB	6.15
M08	31-Mar-03	Mid-Ebb	7	M04B	29-Jan-10	MID-EBB	10.15
M08	02-Apr-03	Mid-Ebb	7	M05B	2-Nov-09	MID-EBB	7.90
M08	04-Apr-03	Mid-Ebb	7	M05B	4-Nov-09	MID-EBB	10.65
M08	07-Apr-03	Mid-Ebb	7	M05B	6-Nov-09	MID-EBB	7.00
M08	09-Apr-03	Mid-Ebb	5	M05B	9-Nov-09	MID-EBB	5.30
M08	14-Apr-03	Mid-Ebb	6	M05B	11-Nov-09	MID-EBB	6.70
M08	16-Apr-03	Mid-Ebb	7	M05B	13-Nov-09	MID-EBB	7.25
M09	06-Feb-03	Mid-Ebb	6	M05B	16-Nov-09	MID-EBB	7.35
M09	08-Feb-03	Mid-Ebb	6	M05B	18-Nov-09	MID-EBB	9.70
M09	10-Feb-03	Mid-Ebb	5	M05B	20-Nov-09	MID-EBB	6.10
M09	14-Feb-03	Mid-Ebb	5	M05B	23-Nov-09	MID-EBB	8.15
M09	18-Feb-03	Mid-Ebb	6	M05B	25-Nov-09	MID-EBB	10.55
M09	19-Feb-03	Mid-Ebb	6	M05B	27-Nov-09	MID-EBB	6.30
M09	21-Feb-03	Mid-Ebb	7	M05B	30-Nov-09	MID-EBB	8.60
M09	24-Feb-03	Mid-Ebb	7	M05B	2-Dec-09	MID-EBB	7.10
M09	28-Feb-03	Mid-Ebb	6	M05B	2-Dec-09	MID-EBB	7.10
M09	03-Mar-03	Mid-Ebb	7	M05B	4-Dec-09	MID-EBB	7.50
M09	05-Mar-03	Mid-Ebb	6	M05B	4-Dec-09	MID-EBB	7.50
M09	07-Mar-03	Mid-Ebb	7	M05B	7-Dec-09	MID-EBB	7.50
M09	10-Mar-03	Mid-Ebb	7	M05B	7-Dec-09	MID-EBB	7.50
M09	17-Mar-03	Mid-Ebb	10	M05B	9-Dec-09	MID-EBB	6.50
M09	19-Mar-03	Mid-Ebb	10	M05B	9-Dec-09	MID-EBB	6.50

Baseline Results (DA)						
STN	DATE	TIDE	SS	DATE	TIDE	SS
M09	22-Mar-03	Mid-Ebb	8	22-Mar-03	Mid-Flood	9
M09	24-Mar-03	Mid-Ebb	10	24-Mar-03	Mid-Flood	7
M09	26-Mar-03	Mid-Ebb	11	27-Mar-03	Mid-Flood	6
M09	31-Mar-03	Mid-Ebb	7	31-Mar-03	Mid-Flood	7
M09	02-Apr-03	Mid-Ebb	7	02-Apr-03	Mid-Flood	5
M09	04-Apr-03	Mid-Ebb	7	04-Apr-03	Mid-Flood	5
M09	07-Apr-03	Mid-Ebb	7	07-Apr-03	Mid-Flood	5
M09	09-Apr-03	Mid-Ebb	6	09-Apr-03	Mid-Flood	4
M09	14-Apr-03	Mid-Ebb	5	14-Apr-03	Mid-Flood	6
M09	16-Apr-03	Mid-Ebb	7	16-Apr-03	Mid-Flood	7
M10	06-Feb-03	Mid-Ebb	3	06-Feb-03	Mid-Flood	5
M10	08-Feb-03	Mid-Ebb	6	08-Feb-03	Mid-Flood	5
M10	10-Feb-03	Mid-Ebb	5	10-Feb-03	Mid-Flood	4
M10	14-Feb-03	Mid-Ebb	5	14-Feb-03	Mid-Flood	6
M10	18-Feb-03	Mid-Ebb	6	17-Feb-03	Mid-Flood	8
M10	19-Feb-03	Mid-Ebb	6	19-Feb-03	Mid-Flood	8
M10	21-Feb-03	Mid-Ebb	8	21-Feb-03	Mid-Flood	6
M10	24-Feb-03	Mid-Ebb	6	24-Feb-03	Mid-Flood	5
M10	28-Feb-03	Mid-Ebb	4	28-Feb-03	Mid-Flood	7
M10	03-Mar-03	Mid-Ebb	7	03-Mar-03	Mid-Flood	9
M10	05-Mar-03	Mid-Ebb	6	05-Mar-03	Mid-Flood	6
M10	07-Mar-03	Mid-Ebb	8	07-Mar-03	Mid-Flood	8
M10	10-Mar-03	Mid-Ebb	6	10-Mar-03	Mid-Flood	7
M10	17-Mar-03	Mid-Ebb	8	17-Mar-03	Mid-Flood	7
M10	19-Mar-03	Mid-Ebb	10	19-Mar-03	Mid-Flood	10
M10	22-Mar-03	Mid-Ebb	7	22-Mar-03	Mid-Flood	10
M10	24-Mar-03	Mid-Ebb	5	24-Mar-03	Mid-Flood	8
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	02-Apr-03	Mid-Ebb	7	02-Apr-03	Mid-Flood	6
M10	04-Apr-03	Mid-Ebb	7	04-Apr-03	Mid-Flood	8
M10	07-Apr-03	Mid-Ebb	7	07-Apr-03	Mid-Flood	6
M10	09-Apr-03	Mid-Ebb	5	09-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

$$n_1 = 268$$

$$\bar{X}_1 = 7.0$$

$$\sigma_1 = 1.7$$

$$\bar{X}_1 + 1.3 = 9.1$$

By applying the equation:

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

& testing

$$H_0 : \mu = \mu_0$$

$$Z_{0.05} = -1.645$$

$$\bar{X} - \mu_0 = -3.03$$

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

Thus,

$$z = -43.03$$

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
M05B	11-Dec-09	MID-EBB	5.20	11-Dec-09	MID-FLOOD	5.90
M05B	11-Dec-09	MID-EBB	5.20	11-Dec-09	MID-FLOOD	5.90
M05B	14-Dec-09	MID-EBB	6.15	14-Dec-09	MID-FLOOD	5.05
M05B	14-Dec-09	MID-EBB	6.15	14-Dec-09	MID-FLOOD	5.05
M05B	16-Dec-09	MID-EBB	4.30	16-Dec-09	MID-FLOOD	4.70
M05B	16-Dec-09	MID-EBB	4.30	16-Dec-09	MID-FLOOD	4.70
M05B	18-Dec-09	MID-EBB	4.55	18-Dec-09	MID-FLOOD	5.40
M05B	18-Dec-09	MID-EBB	4.55	18-Dec-09	MID-FLOOD	5.40
M05B	21-Dec-09	MID-EBB	4.80	21-Dec-09	MID-FLOOD	5.50
M05B	21-Dec-09	MID-EBB	4.80	21-Dec-09	MID-FLOOD	5.50
M05B	23-Dec-09	MID-EBB	3.45	23-Dec-09	MID-FLOOD	4.95
M05B	23-Dec-09	MID-EBB	3.45	23-Dec-09	MID-FLOOD	4.95
M05B	25-Dec-09	MID-EBB	4.05	25-Dec-09	MID-FLOOD	5.00
M05B	25-Dec-09	MID-EBB	4.05	25-Dec-09	MID-FLOOD	5.00
M05B	29-Dec-09	MID-EBB	7.75	29-Dec-09	MID-FLOOD	6.25
M05B	29-Dec-09	MID-EBB	7.75	29-Dec-09	MID-FLOOD	6.25
M05B	31-Dec-09	MID-EBB	5.20	31-Dec-09	MID-FLOOD	6.60
M05B	31-Dec-09	MID-EBB	5.20	31-Dec-09	MID-FLOOD	6.60
M05B	2-Jan-10	MID-EBB	6.40	2-Jan-10	MID-FLOOD	6.25
M05B	2-Jan-10	MID-EBB	6.40	2-Jan-10	MID-FLOOD	6.25
M05B	4-Jan-10	MID-EBB	5.05	4-Jan-10	MID-FLOOD	6.20
M05B	4-Jan-10	MID-EBB	5.05	4-Jan-10	MID-FLOOD	6.20
M05B	6-Jan-10	MID-EBB	4.65	6-Jan-10	MID-FLOOD	6.70
M05B	6-Jan-10	MID-EBB	4.65	6-Jan-10	MID-FLOOD	6.70
M05B	8-Jan-10	MID-EBB	5.30	8-Jan-10	MID-FLOOD	4.55
M05B	8-Jan-10	MID-EBB	5.30	8-Jan-10	MID-FLOOD	4.55
M06	2-Nov-09	MID-EBB	9.45	2-Nov-09	MID-FLOOD	9.60
M06	4-Nov-09	MID-EBB	7.85	4-Nov-09	MID-FLOOD	11.65
M06	6-Nov-09	MID-EBB	5.75	6-Nov-09	MID-FLOOD	12.25
M06	9-Nov-09	MID-EBB	6.00	9-Nov-09	MID-FLOOD	8.25
M06	11-Nov-09	MID-EBB	5.40	11-Nov-09	MID-FLOOD	6.25
M06	13-Nov-09	MID-EBB	7.35	13-Nov-09	MID-FLOOD	10.75
M06	16-Nov-09	MID-EBB	6.10	16-Nov-09	MID-FLOOD	7.65
M06	18-Nov-09	MID-EBB	9.20	18-Nov-09	MID-FLOOD	10.45
M06	20-Nov-09	MID-EBB	7.65	20-Nov-09	MID-FLOOD	7.75
M06	23-Nov-09	MID-EBB	8.05	23-Nov-09	MID-FLOOD	5.35
M06	25-Nov-09	MID-EBB	8.30	25-Nov-09	MID-FLOOD	8.15
M06	27-Nov-09	MID-EBB	4.75	27-Nov-09	MID-FLOOD	6.65
M06	30-Nov-09	MID-EBB	8.35	30-Nov-09	MID-FLOOD	4.95
M06	2-Dec-09	MID-EBB	7.65	2-Dec-09	MID-FLOOD	6.25
M06	2-Dec-09	MID-EBB	7.65	2-Dec-09	MID-FLOOD	6.25
M06	4-Dec-09	MID-EBB	6.65	4-Dec-09	MID-FLOOD	8.85
M06	4-Dec-09	MID-EBB	6.65	4-Dec-09	MID-FLOOD	8.85
M06	7-Dec-09	MID-EBB	7.25	7-Dec-09	MID-FLOOD	6.35
M06	7-Dec-09	MID-EBB	7.25	7-Dec-09	MID-FLOOD	6.35
M06	9-Dec-09	MID-EBB	6.35	9-Dec-09	MID-FLOOD	8.05
M06	9-Dec-09	MID-EBB	6.35	9-Dec-09	MID-FLOOD	8.05
M06	11-Dec-09	MID-EBB	5.25	11-Dec-09	MID-FLOOD	7.05
M06	11-Dec-09	MID-EBB	5.25	11-Dec-09	MID-FLOOD	7.05
M06	14-Dec-09	MID-EBB	5.45	14-Dec-09	MID-FLOOD	6.55
M06	14-Dec-09	MID-EBB	5.45	14-Dec-09	MID-FLOOD	6.55
M06	16-Dec-09	MID-EBB	4.85	16-Dec-09	MID-FLOOD	5.35
M06	16-Dec-09	MID-EBB	4.85	16-Dec-09	MID-FLOOD	5.35
M06	18-Dec-09	MID-EBB	6.55	18-Dec-09	MID-FLOOD	6.15
M06	18-Dec-09	MID-EBB	6.55	18-Dec-09	MID-FLOOD	6.15
M06	21-Dec-09	MID-EBB	4.85	21-Dec-09	MID-FLOOD	6.65
M06	21-Dec-09	MID-EBB	4.85	21-Dec-09	MID-FLOOD	6.65
M06	23-Dec-09	MID-EBB	3.95	23-Dec-09	MID-FLOOD	6.25
M06	23-Dec-09	MID-EBB	3.95	23-Dec-09	MID-FLOOD	6.25
M06	25-Dec-09	MID-EBB	3.95	25-Dec-09	MID-FLOOD	5.35
M06	25-Dec-09	MID-EBB	3.95	25-Dec-09	MID-FLOOD	5.35
M06	29-Dec-09	MID-EBB	5.55	29-Dec-09	MID-FLOOD	5.15
M06	29-Dec-09	MID-EBB	5.55	29-Dec-09	MID-FLOOD	5.15
M06	31-Dec-09	MID-EBB	4.55	31-Dec-09	MID-FLOOD	4.35
M06	31-Dec-09	MID-EBB	4.55	31-Dec-09	MID-FLOOD	4.35
M06	2-Jan-10	MID-EBB	4.35	2-Jan-10	MID-FLOOD	8.45
M06	2-Jan-10	MID-EBB	4.35	2-Jan-10	MID-FLOOD	8.45
M06	4-Jan-10	MID-EBB	4.95	4-Jan-10	MID-FLOOD	6.65
M06	4-Jan-10	MID-EBB	4.95	4-Jan-10	MID-FLOOD	6.65
M06	6-Jan-10	MID-EBB	5.15	6-Jan-10	MID-FLOOD	7.45
M06	6-Jan-10	MID-EBB	5.15	6-Jan-10	MID-FLOOD	7.45
M06	8-Jan-10	MID-EBB	4.25	8-Jan-10	MID-FLOOD	5.85
M06	8-Jan-10	MID-EBB	4.25	8-Jan-10	MID-FLOOD	5.85
M07	2-Nov-09	MID-EBB	7.50	2-Nov-09	MID-FLOOD	7.43
M07	4-Nov-09	MID-EBB	6.72	4-Nov-09	MID-FLOOD	6.25
M07	6-Nov-09	MID-EBB	5.25	6-Nov-09	MID-FLOOD	8.2
M07	9-Nov-09	MID-EBB	6.22	9-Nov-09	MID-FLOOD	5.60
M07	11-Nov-09	MID-EBB	7.02	11-Nov-09	MID-FLOOD	7.13
M07	13-Nov-09	MID-EBB	8.77	13-Nov-09	MID-FLOOD	8.68
M07	16-Nov-09	MID-EBB	6.15	16-Nov-09	MID-FLOOD	6.12
M07	18-Nov-09	MID-EBB	6.50	18-Nov-09	MID-FLOOD	6.43
M07	20-Nov-09	MID-EBB	6.32	20-Nov-09	MID-FLOOD	6.32
M07	23-Nov-09	MID-EBB	5.67	23-Nov-09	MID-FLOOD	5.07
M07	25-Nov-09	MID-EBB	6.77	25-Nov-09	MID-FLOOD	7.05
M07	27-Nov-09	MID-EBB	5.00	27-Nov-09	MID-FLOOD	4.88
M07	30-Nov-09	MID-EBB	4.57	30-Nov-09	MID-FLOOD	4.62
M07	2-Dec-09	MID-EBB	5.63	2-Dec-09	MID-FLOOD	4.97
M07	4-Dec-09	MID-EBB	4.48	4-Dec-09	MID-FLOOD	5.78
M07	7-Dec-09	MID-EBB	5.83	7-Dec-09	MID-FLOOD	5.50
M07	9-Dec-09	MID-EBB	4.50	9-Dec-09	MID-FLOOD	4.80
M07	11-Dec-09	MID-EBB	5.83	11-Dec-09	MID-FLOOD	5.38
M07	14-Dec-09	MID-EBB	4.05	14-Dec-09	MID-FLOOD	5.22
M07	16-Dec-09	MID-EBB	4.32	16-Dec-09	MID-FLOOD	4.05
M07	18-Dec-09	MID-EBB	6.03	18-Dec-09	MID-FLOOD	4.43
M07	21-Dec-09	MID-EBB	3.58	21-Dec-09	MID-FLOOD	5.85
M07	23-Dec-09	MID-EBB	3.27	23-Dec-09	MID-FLOOD	3.28
M07	25-Dec-09	MID-EBB	4.08	25-Dec-09	MID-FLOOD	3.48
M07	29-Dec-09	MID-EBB	4.83	29-Dec-09	MID-FLOOD	3.72
M07	31-Dec-09	MID-EBB	4.83	31-Dec-09	MID-FLOOD	4.12
M07	2-Jan-10	MID-EBB	5.18	2-Jan-10	MID-FLOOD	4.57

