

Baseline Monitoring Results

Significant Difference Between Mid-Ebb and Mid-Flood Results

Marine Based Stations - Average Mid Ebb Results

STN	DO	DO Sat	Turbidity	SS
C1 (s)	7.0	90.4	4.0	6
C1 (m)	6.8	87.9	4.1	6
C1 (b)	6.7	86.4	4.1	6
C2 (s)	7.0	90.7	3.4	5
C2 (m)	6.8	88.4	3.4	6
C2 (b)	6.7	86.2	3.6	6
M7 (s)	6.3	81.9	4.8	7
M7 (m)	6.1	79.5	4.9	7
M7 (b)	6.0	78.1	5.0	7
M8 (s)	6.3	81.8	4.6	6
M8 (m)	6.2	79.7	4.6	6
M8 (b)	6.0	78.5	4.8	7
M9 (s)	6.3	82.2	4.9	7
M9 (m)	6.1	79.9	5.0	7
M9 (b)	6.0	77.7	5.3	7
M10 (s)	6.4	83.6	4.5	7
M10 (m)	6.3	81.3	4.7	6
M10 (b)	6.1	79.0	4.9	7
n ₁ =	18	18	18	18
mean ₁ =	6.4	83.0	4.5	6.4
s ₁ =	0.34	4.32	0.58	0.62

Sea Water Intakes - Average Mid Ebb Results

STN	DO (avg)	DO Sat	Turbidity	SS
M1	5.5	72.2	5.7	9
M2	5.4	71.2	6.0	13
M3	5.4	70.7	4.7	8
M4	5.5	71.5	4.3	8
M5	5.5	72.3	4.3	7
M6	5.5	72.6	4.5	7
M11	5.5	72.3	5.3	8
M12	5.7	73.6	5.1	8
n ₁ =	8	8	8	8
mean ₁ =	5.5	72.1	5.0	8.5
s ₁ =	0.08	0.90	0.65	1.93

Marine Based Stations - Average Mid Flood Results

STN	DO	DO Sat	Turbidity	SS
C1 (s)	6.9	89.8	4.3	7
C1 (m)	6.7	87.0	4.5	7
C1 (b)	6.6	84.9	4.6	7
C2 (s)	7.0	90.6	3.3	6
C2 (m)	6.9	88.6	3.5	6
C2 (b)	6.7	87.0	3.6	6
M7 (s)	6.1	79.3	4.6	7
M7 (m)	5.9	77.2	4.8	7
M7 (b)	5.9	76.3	5.1	7
M8 (s)	6.3	81.9	4.5	6
M8 (m)	6.2	80.2	4.7	6
M8 (b)	6.1	79.1	5.0	7
M9 (s)	6.2	80.7	4.5	6
M9 (m)	6.1	78.7	4.8	6
M9 (b)	6.0	77.6	5.0	6
M10 (s)	6.3	82.3	4.5	7
M10 (m)	6.2	67.9	4.6	7
M10 (b)	6.0	78.0	5.0	7
n ₂ =	18	18	18	18
mean ₂ =	6.3	81.5	4.5	6.6
s ₂ =	0.37	5.71	0.52	0.51

Sea Water Intakes - Average Mid Flood Results

STN	DO (avg)	DO Sat	Turbidity	SS
M1	5.4	70.7	5.5	8
M2	5.3	69.1	6.2	13
M3	5.2	68.1	5.4	9
M4	5.5	71.7	4.7	8
M5	5.5	71.8	4.7	3
M6	5.4	71.0	5.2	8
M11	5.5	71.5	5.4	8
M12	5.5	72.1	5.2	5
n ₂ =	8	8	8	8
mean ₂ =	5.4	70.8	5.3	7.8
s ₂ =	0.12	1.42	0.48	2.92

At 5% Level of Significance ($\alpha = 0.05$):

$$H_0 : s_1^2 = s_2^2$$

$$H_1 : s_1^2 \neq s_2^2$$

$$F = \frac{s_1^2}{s_2^2} \quad \text{If } S_1 > S_2$$

$$F_c = F_{\alpha/2}(d_{f1}, d_{f2})$$

where subscript 1 denotes Mid-Ebb
and subscript 2 denotes Mid-Flood

	DO	DO Sat	Turbidity	SS
	S ₁ < S ₂	S ₁ < S ₂	S ₁ > S ₂	S ₁ > S ₂
F =	1.13	1.75	1.212	1.450
d _{f1} =	17	17	17	17
d _{f2} =	17	17	17	17
F _c =	2.67	2.67	2.67	2.67
F _c > F ?	Y	Y	Y	Y
Reject H ₀ ?	N	N	N	N

	DO	DO Sat	Turbidity	SS
	S ₁ < S ₂	S ₁ < S ₂	S ₁ > S ₂	S ₁ < S ₂
F =	1.89	2.49	1.88	2.29
d _{f1} =	7	7	7	7
d _{f2} =	7	7	7	7
F _c =	4.99	4.99	4.99	4.99
F _c > F ?	Y	Y	Y	Y
Reject H ₀ ?	N	N	N	N

Therefore, we can conclude that there is no significant difference (at the 5% level) between the Mid-Ebb and Mid-Flood data

Central Reclamation Phase III - Baseline Monitoring Results
 ONE-WAY ANOVA - Significant Difference Between Marine Based Stations

STATIONS (Dissolved Oxygen)						
TIDE	S_DATE	DEPTH	M7	M8	M9	M10
Mid Ebb	02/06/03	S	6.7	6.8	6.7	7.1
Mid Ebb	02/08/03	S	6.3	6.1	6.3	6.6
Mid Ebb	02/10/03	S	6.2	5.8	6.3	6.7
Mid Ebb	02/14/03	S	6.6	6.8	7.0	6.9
Mid Ebb	02/18/03	S	6.8	6.6	7.0	5.8
Mid Ebb	02/19/03	S	5.9	6.2	5.9	6.9
Mid Ebb	02/21/03	S	6.8	6.6	6.8	7.1
Mid Ebb	02/24/03	S	5.7	5.7	5.7	5.9
Mid Ebb	02/28/03	S	6.8	7.3	6.8	7.1
Mid Ebb	03/03/03	S	6.4	6.4	6.5	6.5
Mid Ebb	03/05/03	S	7.0	6.9	6.6	5.8
Mid Ebb	03/07/03	S	6.6	6.7	6.7	7.2
Mid Ebb	03/10/03	S	6.4	6.1	6.5	6.9
Mid Ebb	03/17/03	S	6.7	6.5	6.6	6.9
Mid Ebb	03/19/03	S	6.7	6.7	6.6	6.7
Mid Ebb	03/22/03	S	5.4	5.6	5.4	5.5
Mid Ebb	03/24/03	S	5.9	6.4	5.9	6.2
Mid Ebb	03/26/03	S	5.6	5.7	5.6	6.1
Mid Ebb	03/31/03	S	6.4	6.3	6.4	6.5
Mid Ebb	04/02/03	S	6.3	6.0	6.2	6.4
Mid Ebb	04/04/03	S	6.4	6.2	6.5	6.0
Mid Ebb	04/07/03	S	6.1	6.0	6.2	6.2
Mid Ebb	04/09/03	S	5.7	6.4	6.2	5.8
Mid Ebb	04/14/03	S	6.1	5.8	5.8	5.9
Mid Ebb	04/16/03	S	5.8	5.9	5.9	5.6
Mid Ebb	02/06/03	M	6.7	6.9	6.6	6.9
Mid Ebb	02/08/03	M	6.4	6.1	6.5	6.7
Mid Ebb	02/10/03	M	5.7	5.8	6.2	5.7
Mid Ebb	02/14/03	M	6.4	6.6	6.7	6.8
Mid Ebb	02/18/03	M	6.4	6.6	6.8	6.8
Mid Ebb	02/19/03	M	5.7	5.7	5.5	5.4
Mid Ebb	02/21/03	M	6.5	6.6	6.5	6.7
Mid Ebb	02/24/03	M	5.6	5.6	5.4	5.8
Mid Ebb	02/28/03	M	7.2	6.9	7.1	7.3
Mid Ebb	03/03/03	M	6.1	6.2	6.2	6.8
Mid Ebb	03/05/03	M	6.9	6.9	6.6	6.7
Mid Ebb	03/07/03	M	6.4	6.5	6.5	6.6
Mid Ebb	03/10/03	M	6.1	6.2	6.2	6.3
Mid Ebb	03/17/03	M	6.6	6.4	6.5	6.7
Mid Ebb	03/19/03	M	6.5	6.5	6.2	6.4
Mid Ebb	03/22/03	M	5.4	5.4	5.3	5.5
Mid Ebb	03/24/03	M	5.9	6.1	5.8	6.1
Mid Ebb	03/26/03	M	5.5	5.5	5.4	5.6
Mid Ebb	03/31/03	M	6.2	6.0	6.2	6.2
Mid Ebb	04/02/03	M	5.9	5.9	6.0	6.2
Mid Ebb	04/04/03	M	5.9	5.8	6.1	5.8
Mid Ebb	04/07/03	M	6.0	5.9	6.0	6.1
Mid Ebb	04/09/03	M	5.5	6.0	5.9	5.8
Mid Ebb	04/14/03	M	5.8	5.7	5.7	5.6
Mid Ebb	04/16/03	M	5.8	5.9	5.9	5.7
Mid Ebb	02/06/03	B	6.7	7.0	6.6	6.9
Mid Ebb	02/08/03	B	6.4	6.3	6.2	6.5
Mid Ebb	02/10/03	B	5.7	5.6	5.7	5.6
Mid Ebb	02/14/03	B	6.4	6.6	6.5	6.7
Mid Ebb	02/18/03	B	6.2	6.5	6.7	6.8
Mid Ebb	02/19/03	B	5.4	5.3	4.7	4.2
Mid Ebb	02/21/03	B	6.4	6.3	6.4	6.5
Mid Ebb	02/24/03	B	5.6	5.8	5.3	5.7
Mid Ebb	02/28/03	B	6.8	6.7	6.8	6.8
Mid Ebb	03/03/03	B	6.1	6.0	6.0	6.4
Mid Ebb	03/05/03	B	6.9	6.8	6.5	6.6
Mid Ebb	03/07/03	B	6.3	6.4	6.3	6.5
Mid Ebb	03/10/03	B	6.0	6.0	5.9	6.3
Mid Ebb	03/17/03	B	6.4	6.2	6.4	6.6
Mid Ebb	03/19/03	B	6.4	6.3	6.2	6.4
Mid Ebb	03/22/03	B	5.1	5.3	5.2	5.3
Mid Ebb	03/24/03	B	5.7	6.1	5.7	5.8
Mid Ebb	03/26/03	B	5.4	5.3	5.3	5.4
Mid Ebb	03/31/03	B	6.0	5.9	6.1	6.1
Mid Ebb	04/02/03	B	5.7	5.6	5.8	5.9
Mid Ebb	04/04/03	B	5.7	5.6	5.9	5.7
Mid Ebb	04/07/03	B	5.9	6.0	5.9	6.0
Mid Ebb	04/09/03	B	5.5	5.8	5.8	5.6
Mid Ebb	04/14/03	B	5.7	5.7	5.7	5.6
Mid Ebb	04/16/03	B	5.7	6.0	5.8	5.8
Mid Flood	02/06/03	S	6.4	6.8	6.8	7.2
Mid Flood	02/08/03	S	6.2	6.5	6.5	6.9
Mid Flood	02/10/03	S	5.6	5.8	5.8	6.6
Mid Flood	02/14/03	S	6.8	6.7	6.6	6.8
Mid Flood	02/17/03	S	6.9	6.8	6.6	6.1
Mid Flood	02/19/03	S	6.2	5.8	6.0	6.3
Mid Flood	02/21/03	S	6.9	6.7	6.9	6.9
Mid Flood	02/24/03	S	5.7	6.0	5.9	5.7
Mid Flood	02/28/03	S	6.6	6.9	6.8	6.5
Mid Flood	03/03/03	S	5.9	6.6	6.1	6.7
Mid Flood	03/05/03	S	6.5	6.5	6.7	6.6
Mid Flood	03/07/03	S	6.6	6.8	6.4	6.3
Mid Flood	03/10/03	S	5.9	7.1	6.3	6.7
Mid Flood	03/17/03	S	6.8	6.6	6.9	6.8
Mid Flood	03/19/03	S	6.4	6.4	6.3	6.5
Mid Flood	03/22/03	S	4.9	5.5	5.3	5.3
Mid Flood	03/24/03	S	5.6	5.9	6.0	6.4
Mid Flood	03/27/03	S	5.7	6.2	5.7	5.8
Mid Flood	03/31/03	S	6.7	6.6	6.5	6.6
Mid Flood	04/02/03	S	5.5	5.5	5.7	6.5
Mid Flood	04/04/03	S	5.7	6.0	5.8	6.2
Mid Flood	04/07/03	S	5.8	6.0	5.8	5.7

ANOVA TABLE

Source	SS	df	MS	F	F _c
STATION	2.1	3	0.7	2.9	F _{0.25} 0.25 1.36
ERROR	146.4	596	0.2		F _{0.10} 0.1 1.98
					F _{0.05} 0.05 2.43
					F _{0.01} 0.01 3.45
					F _{0.001} 0.001 4.88

a = 4
 n = 150

H₀: μ₁ - μ₂ = 0

Reason to reject H₀? **No**

No significant difference between monitoring stations
 M7 through M10

Mid Flood	04/09/03	S	5.9	6.2	5.8	6.0
Mid Flood	04/14/03	S	5.7	5.8	6.3	5.7
Mid Flood	04/16/03	S	6.0	5.8	5.9	5.7
Mid Flood	02/06/03	M	6.4	6.8	6.7	6.9
Mid Flood	02/08/03	M	6.3	6.6	6.3	6.8
Mid Flood	02/10/03	M	5.4	5.6	5.7	5.5
Mid Flood	02/14/03	M	7.1	6.6	6.7	6.6
Mid Flood	02/17/03	M	6.7	6.6	6.4	6.6
Mid Flood	02/19/03	M	5.8	5.8	5.7	5.8
Mid Flood	02/21/03	M	6.8	6.5	6.6	6.4
Mid Flood	02/24/03	M	5.5	5.8	5.5	5.7
Mid Flood	02/28/03	M	6.2	6.6	6.6	6.8
Mid Flood	03/03/03	M	5.7	6.5	6.0	6.0
Mid Flood	03/05/03	M	6.4	6.4	6.5	6.6
Mid Flood	03/07/03	M	6.1	6.6	6.2	6.6
Mid Flood	03/10/03	M	5.6	6.7	5.9	6.3
Mid Flood	03/17/03	M	6.6	6.6	6.8	6.8
Mid Flood	03/19/03	M	6.3	6.2	6.2	6.3
Mid Flood	03/22/03	M	4.9	5.3	5.3	5.2
Mid Flood	03/24/03	M	5.6	5.8	6.1	6.3
Mid Flood	03/27/03	M	5.4	6.2	5.5	5.7
Mid Flood	03/31/03	M	6.2	6.2	6.1	6.4
Mid Flood	04/02/03	M	5.4	5.6	5.8	6.2
Mid Flood	04/04/03	M	5.4	5.8	5.5	5.9
Mid Flood	04/07/03	M	5.5	6.0	5.7	5.5
Mid Flood	04/09/03	M	5.7	5.7	5.7	5.8
Mid Flood	04/14/03	M	5.5	5.7	5.8	5.5
Mid Flood	04/16/03	M	6.1	5.9	6.0	5.9
Mid Flood	02/06/03	B	6.4	6.8	6.6	6.8
Mid Flood	02/08/03	B	6.1	6.6	6.4	6.4
Mid Flood	02/10/03	B	5.3	5.6	5.7	5.4
Mid Flood	02/14/03	B	7.2	6.6	6.6	6.4
Mid Flood	02/17/03	B	6.6	6.6	6.4	6.5
Mid Flood	02/19/03	B	5.7	5.8	5.8	5.5
Mid Flood	02/21/03	B	6.6	6.5	6.4	6.3
Mid Flood	02/24/03	B	5.6	5.8	5.3	5.6
Mid Flood	02/28/03	B	6.3	6.6	6.8	6.6
Mid Flood	03/03/03	B	5.8	6.5	5.9	6.0
Mid Flood	03/05/03	B	6.3	6.4	6.6	6.4
Mid Flood	03/07/03	B	6.2	6.6	6.1	6.5
Mid Flood	03/10/03	B	5.6	6.7	5.8	6.2
Mid Flood	03/17/03	B	6.4	6.6	6.7	6.6
Mid Flood	03/19/03	B	6.2	6.2	6.2	6.1
Mid Flood	03/22/03	B	4.9	5.3	4.9	4.8
Mid Flood	03/24/03	B	5.5	5.8	6.1	6.3
Mid Flood	03/27/03	B	5.4	6.2	5.4	5.4
Mid Flood	03/31/03	B	6.0	6.2	5.8	6.3
Mid Flood	04/02/03	B	5.3	5.6	5.7	5.9
Mid Flood	04/04/03	B	5.3	5.8	5.5	5.7
Mid Flood	04/07/03	B	5.2	6.0	5.6	5.5
Mid Flood	04/09/03	B	5.4	5.7	5.7	5.6
Mid Flood	04/14/03	B	5.4	5.7	5.7	5.3
Mid Flood	04/16/03	B	6.0	5.9	6.1	5.8
	X_i		6.1	6.2	6.1	6.2
	$(X_i - X_{..})^2$		0.0	0.0	0.0	0.0
	$(X_{.i} - X_{.})^2$		39.5	30.0	33.6	43.3

TIDE	S_DATE	DEPTH	STATIONS (SS)			
			M7	M8	M9	M10
Mid Ebb	02/06/03	S	4.0	4.0	5.5	4.5
Mid Ebb	02/08/03	S	4.0	5.0	6.0	6.0
Mid Ebb	02/10/03	S	5.5	4.0	4.5	6.0
Mid Ebb	02/14/03	S	5.0	5.5	5.0	5.5
Mid Ebb	02/18/03	S	5.0	6.0	6.0	6.0
Mid Ebb	02/19/03	S	7.5	6.5	7.0	3.0
Mid Ebb	02/21/03	S	7.0	8.0	7.0	8.0
Mid Ebb	02/24/03	S	5.0	6.0	8.0	6.5
Mid Ebb	02/28/03	S	6.0	4.0	6.0	7.5
Mid Ebb	03/03/03	S	8.0	7.0	7.0	7.0
Mid Ebb	03/05/03	S	5.5	6.0	6.0	5.0
Mid Ebb	03/07/03	S	7.0	6.5	7.0	5.5
Mid Ebb	03/10/03	S	6.0	8.0	5.5	8.0
Mid Ebb	03/17/03	S	8.0	7.0	11.0	8.0
Mid Ebb	03/19/03	S	10.0	10.0	9.0	10.0
Mid Ebb	03/22/03	S	8.0	8.0	7.0	7.0
Mid Ebb	03/24/03	S	10.0	6.0	9.0	5.0
Mid Ebb	03/26/03	S	7.0	6.0	10.0	7.0
Mid Ebb	03/31/03	S	7.0	7.0	7.0	8.0
Mid Ebb	04/02/03	S	7.0	7.0	7.0	7.0
Mid Ebb	04/04/03	S	6.0	6.0	7.0	8.0
Mid Ebb	04/07/03	S	7.0	6.0	8.0	7.0
Mid Ebb	04/09/03	S	6.0	5.0	6.0	5.0
Mid Ebb	04/14/03	S	5.0	7.0	5.0	7.0
Mid Ebb	04/16/03	S	7.0	7.0	8.0	8.0
Mid Ebb	02/06/03	M	4.0	4.0	5.5	3.0
Mid Ebb	02/08/03	M	4.0	4.5	5.0	6.0
Mid Ebb	02/10/03	M	4.5	4.5	5.0	4.0
Mid Ebb	02/14/03	M	5.0	5.0	5.5	4.5
Mid Ebb	02/18/03	M	5.0	5.0	6.0	6.5
Mid Ebb	02/19/03	M	8.5	8.5	6.0	6.0
Mid Ebb	02/21/03	M	7.5	7.0	7.0	8.0
Mid Ebb	02/24/03	M	4.5	5.5	7.0	6.5
Mid Ebb	02/28/03	M	6.0	5.0	6.0	4.0
Mid Ebb	03/03/03	M	7.0	7.0	6.0	7.0

ANOVA TABLE					
Source	SS	df	MS	F	F_c
STATION	5.4	4	1.4	0.5	$F_{0.25}$ 0.25 1.36
ERROR	1884.0	745	2.5		$F_{0.10}$ 0.1 1.98
					$F_{0.05}$ 0.05 2.43
					$F_{0.01}$ 0.01 3.45
					$F_{0.001}$ 0.001 4.88
	a =	5			
	n =	150			
	$H_0: \mu_1 - \mu_2 = 0$				
Reason to reject H_0 ?	No				
No significant difference between monitoring stations M7 through M10					

Mid Ebb	03/05/03	M	5.0	5.0	6.0	6.0
Mid Ebb	03/07/03	M	6.5	6.0	6.5	7.5
Mid Ebb	03/10/03	M	5.5	8.0	7.0	6.0
Mid Ebb	03/17/03	M	8.0	8.0	9.0	8.0
Mid Ebb	03/19/03	M	12.0	10.0	10.0	10.0
Mid Ebb	03/22/03	M	8.0	7.0	8.0	7.0
Mid Ebb	03/24/03	M	9.0	5.0	10.0	5.0
Mid Ebb	03/26/03	M	8.0	6.0	10.0	7.0
Mid Ebb	03/31/03	M	7.0	6.0	7.0	8.0
Mid Ebb	04/02/03	M	7.0	7.0	6.0	7.0
Mid Ebb	04/04/03	M	6.0	8.0	6.0	7.0
Mid Ebb	04/07/03	M	7.0	6.0	7.0	8.0
Mid Ebb	04/09/03	M	6.0	5.0	6.0	6.0
Mid Ebb	04/14/03	M	5.0	6.0	5.0	6.0
Mid Ebb	04/16/03	M	7.0	6.0	7.0	8.0
Mid Ebb	02/06/03	B	4.0	4.0	6.0	3.0
Mid Ebb	02/08/03	B	4.0	5.5	5.5	7.0
Mid Ebb	02/10/03	B	5.0	5.0	5.0	5.0
Mid Ebb	02/14/03	B	5.0	5.5	5.0	6.0
Mid Ebb	02/18/03	B	5.0	5.5	6.0	5.5
Mid Ebb	02/19/03	B	9.5	7.0	6.0	5.5
Mid Ebb	02/21/03	B	7.5	8.0	7.0	8.0
Mid Ebb	02/24/03	B	6.0	6.5	7.0	6.0
Mid Ebb	02/28/03	B	6.0	5.0	5.5	4.0
Mid Ebb	03/03/03	B	8.0	6.5	7.0	7.0
Mid Ebb	03/05/03	B	6.0	5.5	5.5	6.5
Mid Ebb	03/07/03	B	7.0	7.5	6.5	8.0
Mid Ebb	03/10/03	B	6.0	10.5	7.0	6.0
Mid Ebb	03/17/03	B	8.0	8.0	9.0	8.0
Mid Ebb	03/19/03	B	11.0	10.0	10.0	9.0
Mid Ebb	03/22/03	B	7.0	7.0	8.0	8.0
Mid Ebb	03/24/03	B	10.0	7.0	11.0	6.0
Mid Ebb	03/26/03	B	8.0	6.0	12.0	8.0
Mid Ebb	03/31/03	B	7.0	8.0	7.0	8.0
Mid Ebb	04/02/03	B	6.0	7.0	7.0	7.0
Mid Ebb	04/04/03	B	6.0	7.0	7.0	7.0
Mid Ebb	04/07/03	B	7.0	8.0	7.0	7.0
Mid Ebb	04/09/03	B	5.0	5.0	6.0	5.0
Mid Ebb	04/14/03	B	5.0	6.0	5.0	6.0
Mid Ebb	04/16/03	B	7.0	7.0	7.0	8.0
Mid Flood	02/06/03	S	5.0	5.5	5.5	6.5
Mid Flood	02/08/03	S	5.5	4.5	5.5	4.5
Mid Flood	02/10/03	S	4.0	4.0	4.0	5.0
Mid Flood	02/14/03	S	4.0	5.0	4.0	4.5
Mid Flood	02/17/03	S	5.0	5.0	6.0	5.0
Mid Flood	02/19/03	S	8.5	10.5	8.0	9.0
Mid Flood	02/21/03	S	7.0	7.0	7.0	4.0
Mid Flood	02/24/03	S	6.0	4.0	6.0	4.5
Mid Flood	02/28/03	S	6.0	5.0	6.0	4.0
Mid Flood	03/03/03	S	8.0	10.0	9.0	6.0
Mid Flood	03/05/03	S	5.0	6.5	5.0	8.0
Mid Flood	03/07/03	S	10.0	9.0	8.0	12.5
Mid Flood	03/10/03	S	6.5	6.0	6.5	8.0
Mid Flood	03/17/03	S	7.0	7.0	7.0	8.0
Mid Flood	03/19/03	S	8.0	8.0	8.0	7.0
Mid Flood	03/22/03	S	10.0	13.0	11.0	11.0
Mid Flood	03/24/03	S	7.0	5.0	6.0	7.0
Mid Flood	03/27/03	S	4.0	5.0	5.0	5.0
Mid Flood	03/31/03	S	8.0	6.0	7.0	5.0
Mid Flood	04/02/03	S	5.0	6.0	6.0	6.0
Mid Flood	04/04/03	S	5.0	5.0	5.0	7.0
Mid Flood	04/07/03	S	7.0	5.0	5.0	6.0
Mid Flood	04/09/03	S	4.0	5.0	5.0	7.0
Mid Flood	04/14/03	S	9.0	4.0	4.0	8.0
Mid Flood	04/16/03	S	9.0	8.0	8.0	7.0
Mid Flood	02/06/03	M	4.5	5.5	5.5	5.0
Mid Flood	02/08/03	M	5.5	5.5	5.0	4.5
Mid Flood	02/10/03	M	4.0	4.0	4.0	3.5
Mid Flood	02/14/03	M	4.5	4.0	4.0	5.0
Mid Flood	02/17/03	M	6.0	6.0	6.0	7.0
Mid Flood	02/19/03	M	8.0	11.0	7.0	8.5
Mid Flood	02/21/03	M	8.0	7.0	7.5	7.0
Mid Flood	02/24/03	M	5.5	3.5	7.0	5.5
Mid Flood	02/28/03	M	6.5	5.0	7.0	4.5
Mid Flood	03/03/03	M	8.0	9.5	8.0	11.0
Mid Flood	03/05/03	M	6.0	6.0	5.0	5.0
Mid Flood	03/07/03	M	8.5	8.0	8.5	9.0
Mid Flood	03/10/03	M	7.0	6.0	6.5	6.5
Mid Flood	03/17/03	M	7.0	10.0	8.0	8.0
Mid Flood	03/19/03	M	8.0	7.0	8.0	9.0
Mid Flood	03/22/03	M	11.0	13.0	11.0	11.0
Mid Flood	03/24/03	M	8.0	6.0	8.0	9.0
Mid Flood	03/27/03	M	5.0	5.0	5.0	5.0
Mid Flood	03/31/03	M	7.0	5.0	8.0	6.0
Mid Flood	04/02/03	M	6.0	6.0	6.0	6.0
Mid Flood	04/04/03	M	5.0	6.0	4.0	9.0
Mid Flood	04/07/03	M	6.0	5.0	6.0	6.0
Mid Flood	04/09/03	M	5.0	6.0	5.0	7.0
Mid Flood	04/14/03	M	8.0	4.0	4.0	9.0
Mid Flood	04/16/03	M	9.0	8.0	8.0	6.0
Mid Flood	02/06/03	B	5.0	5.5	4.0	5.0
Mid Flood	02/08/03	B	5.5	5.5	5.0	6.0
Mid Flood	02/10/03	B	4.5	4.0	4.0	4.0
Mid Flood	02/14/03	B	4.0	4.0	4.0	5.0
Mid Flood	02/17/03	B	5.0	6.0	5.0	7.0
Mid Flood	02/19/03	B	8.5	11.0	7.0	8.0
Mid Flood	02/21/03	B	7.5	7.0	8.0	7.0
Mid Flood	02/24/03	B	6.0	3.5	6.5	6.0
Mid Flood	02/28/03	B	7.0	5.0	6.0	4.0
Mid Flood	03/03/03	B	9.0	9.5	9.0	11.0
Mid Flood	03/05/03	B	6.0	6.0	5.5	5.0
Mid Flood	03/07/03	B	8.0	8.0	8.0	8.5
Mid Flood	03/10/03	B	6.5	6.0	6.0	6.0
Mid Flood	03/17/03	B	7.0	10.0	9.0	7.0
Mid Flood	03/19/03	B	8.0	7.0	9.0	9.0

Mid Flood	03/22/03	B	10.0	13.0	10.0	11.0
Mid Flood	03/24/03	B	9.0	6.0	8.0	10.0
Mid Flood	03/27/03	B	5.0	5.0	5.0	6.0
Mid Flood	03/31/03	B	7.0	5.0	7.0	6.0
Mid Flood	04/02/03	B	5.0	6.0	5.0	6.0
Mid Flood	04/04/03	B	5.0	6.0	5.0	8.0
Mid Flood	04/07/03	B	6.0	5.0	5.0	5.0
Mid Flood	04/09/03	B	5.0	6.0	4.0	5.0
Mid Flood	04/14/03	B	9.0	4.0	5.0	8.0
Mid Flood	04/16/03	B	9.0	8.0	9.0	7.0
		X_i	6.6	6.4	6.7	6.7
		$(X_i - X_i)^2$	0.00	0.03	0.00	0.01
		$(X_i - X_i)^2$	441.6	540.0	435.4	467.0

STATIONS (Turbidity)

TIDE	S_DATE	DEPTH	M7	M8	M9	M10
Mid Ebb	02/06/03	S	1.8	1.5	3.1	3.3
Mid Ebb	02/08/03	S	2.9	3.2	4.2	3.8
Mid Ebb	02/10/03	S	3.2	3.2	3.4	3.9
Mid Ebb	02/14/03	S	3.4	3.2	3.4	4.2
Mid Ebb	02/18/03	S	4.4	3.8	4.2	4.4
Mid Ebb	02/19/03	S	7.4	5.7	4.6	2.2
Mid Ebb	02/21/03	S	5.2	4.1	5.1	5.2
Mid Ebb	02/24/03	S	5.4	5.2	5.4	4.8
Mid Ebb	02/28/03	S	4.2	3.1	3.6	5.0
Mid Ebb	03/03/03	S	4.7	5.0	5.5	4.3
Mid Ebb	03/05/03	S	4.0	3.6	3.9	3.2
Mid Ebb	03/07/03	S	4.3	4.4	4.1	2.9
Mid Ebb	03/10/03	S	4.5	4.4	4.1	4.5
Mid Ebb	03/17/03	S	7.1	7.5	6.3	5.6
Mid Ebb	03/19/03	S	6.7	6.4	7.1	5.3
Mid Ebb	03/22/03	S	6.7	6.0	6.8	5.5
Mid Ebb	03/24/03	S	6.1	3.9	7.5	3.8
Mid Ebb	03/26/03	S	5.7	4.1	6.8	6.0
Mid Ebb	03/31/03	S	4.3	4.8	4.7	5.0
Mid Ebb	04/02/03	S	5.6	6.7	5.7	4.9
Mid Ebb	04/04/03	S	4.8	5.3	5.5	4.7
Mid Ebb	04/07/03	S	5.8	4.8	6.5	5.7
Mid Ebb	04/09/03	S	4.4	4.0	4.8	5.1
Mid Ebb	04/14/03	S	3.7	5.1	3.5	4.5
Mid Ebb	04/16/03	S	4.5	5.2	3.9	4.2
Mid Ebb	02/06/03	M	1.8	1.8	3.2	2.4
Mid Ebb	02/08/03	M	3.1	3.6	3.9	4.3
Mid Ebb	02/10/03	M	3.4	3.5	3.6	3.2
Mid Ebb	02/14/03	M	3.7	3.4	3.8	3.2
Mid Ebb	02/18/03	M	4.6	3.8	4.4	4.2
Mid Ebb	02/19/03	M	6.8	5.5	4.7	4.7
Mid Ebb	02/21/03	M	4.9	4.3	5.3	4.3
Mid Ebb	02/24/03	M	4.9	5.5	4.9	4.6
Mid Ebb	02/28/03	M	3.6	2.6	4.0	3.6
Mid Ebb	03/03/03	M	5.1	5.2	5.7	5.4
Mid Ebb	03/05/03	M	4.3	3.7	4.3	4.4
Mid Ebb	03/07/03	M	4.5	4.4	4.2	4.9
Mid Ebb	03/10/03	M	4.1	4.7	3.9	4.0
Mid Ebb	03/17/03	M	7.6	7.7	6.9	5.4
Mid Ebb	03/19/03	M	6.4	6.4	7.4	5.7
Mid Ebb	03/22/03	M	6.6	5.9	6.8	5.6
Mid Ebb	03/24/03	M	6.2	4.1	7.5	4.1
Mid Ebb	03/26/03	M	5.8	4.1	7.0	6.4
Mid Ebb	03/31/03	M	3.9	4.5	4.3	5.5
Mid Ebb	04/02/03	M	6.3	5.5	4.9	5.3
Mid Ebb	04/04/03	M	4.3	4.7	4.7	5.3
Mid Ebb	04/07/03	M	6.3	5.1	7.1	5.6
Mid Ebb	04/09/03	M	4.7	4.3	5.2	4.9
Mid Ebb	04/14/03	M	3.6	5.3	3.6	4.8
Mid Ebb	04/16/03	M	5.3	4.7	4.4	4.6
Mid Ebb	02/06/03	B	2.1	1.6	2.9	2.5
Mid Ebb	02/08/03	B	3.3	3.9	3.7	4.1
Mid Ebb	02/10/03	B	3.6	3.6	3.5	3.5
Mid Ebb	02/14/03	B	3.9	3.6	3.4	3.1
Mid Ebb	02/18/03	B	4.3	4.1	4.5	4.6
Mid Ebb	02/19/03	B	5.8	5.5	5.1	5.3
Mid Ebb	02/21/03	B	4.8	5.2	5.8	4.5
Mid Ebb	02/24/03	B	5.1	5.2	5.1	5.1
Mid Ebb	02/28/03	B	3.9	2.9	4.3	3.9
Mid Ebb	03/03/03	B	5.6	5.3	6.0	5.8
Mid Ebb	03/05/03	B	4.4	4.2	4.6	4.7
Mid Ebb	03/07/03	B	4.7	4.6	4.6	5.4
Mid Ebb	03/10/03	B	3.9	4.2	4.1	4.4
Mid Ebb	03/17/03	B	7.2	7.2	7.1	5.9
Mid Ebb	03/19/03	B	6.5	6.7	7.5	5.7
Mid Ebb	03/22/03	B	6.6	6.3	7.0	5.8
Mid Ebb	03/24/03	B	6.1	4.4	7.5	4.2
Mid Ebb	03/26/03	B	6.1	4.5	7.1	6.4
Mid Ebb	03/31/03	B	4.1	4.4	4.7	5.6
Mid Ebb	04/02/03	B	6.5	6.0	6.3	5.5
Mid Ebb	04/04/03	B	5.3	5.2	5.3	5.6
Mid Ebb	04/07/03	B	6.5	5.4	7.3	6.3
Mid Ebb	04/09/03	B	4.8	4.4	5.3	5.3
Mid Ebb	04/14/03	B	3.6	5.3	3.8	5.1
Mid Ebb	04/16/03	B	5.3	5.6	4.8	5.1
Mid Flood	02/06/03	S	2.5	2.5	2.5	4.1
Mid Flood	02/08/03	S	3.2	3.9	4.2	2.7

ANOVA TABLE

Source	SS	df	MS	F	F_c
STATION	7.9	4	2.0	1.3	$F_{0.25}$ 0.25 1.34
ERROR	1106.9	745	1.5		$F_{0.10}$ 0.1 1.89
					$F_{0.05}$ 0.05 2.27
					$F_{0.01}$ 0.01 3.14
					$F_{0.001}$ 0.001 4.35

a = 5
n = 150

$H_0: \mu_1 - \mu_2 = 0$

Reason to reject H_0 ? **No**

No significant difference between monitoring stations C1, C2, and M7 through M10

Mid Flood	02/10/03	S	2.4	2.7	3.1	3.1
Mid Flood	02/14/03	S	2.4	2.7	2.7	3.7
Mid Flood	02/17/03	S	4.2	4.2	4.6	3.2
Mid Flood	02/19/03	S	4.8	7.4	5.9	5.7
Mid Flood	02/21/03	S	4.4	5.2	4.8	2.0
Mid Flood	02/24/03	S	3.7	3.6	3.9	2.1
Mid Flood	02/28/03	S	3.1	2.5	3.3	2.2
Mid Flood	03/03/03	S	5.3	5.9	5.5	5.4
Mid Flood	03/05/03	S	3.5	4.0	3.3	5.1
Mid Flood	03/07/03	S	5.9	5.4	5.1	6.2
Mid Flood	03/10/03	S	4.8	5.3	4.7	4.4
Mid Flood	03/17/03	S	5.3	6.1	4.9	5.1
Mid Flood	03/19/03	S	5.4	4.6	5.3	5.3
Mid Flood	03/22/03	S	6.2	8.6	7.0	6.8
Mid Flood	03/24/03	S	4.3	2.5	3.7	4.1
Mid Flood	03/27/03	S	2.9	3.8	3.7	3.7
Mid Flood	03/31/03	S	6.8	5.4	7.0	5.8
Mid Flood	04/02/03	S	5.2	4.7	4.2	6.0
Mid Flood	04/04/03	S	3.8	4.2	4.1	5.8
Mid Flood	04/07/03	S	4.9	3.6	4.3	4.0
Mid Flood	04/09/03	S	4.3	4.2	3.7	4.5
Mid Flood	04/14/03	S	6.8	2.8	4.1	5.3
Mid Flood	04/16/03	S	7.7	7.3	6.8	7.4
Mid Flood	02/06/03	M	2.5	2.6	3.0	1.9
Mid Flood	02/08/03	M	3.6	3.4	3.7	2.8
Mid Flood	02/10/03	M	2.6	2.6	3.1	2.4
Mid Flood	02/14/03	M	2.7	2.7	2.8	2.4
Mid Flood	02/17/03	M	4.4	4.5	5.2	4.3
Mid Flood	02/19/03	M	7.2	7.6	6.2	5.8
Mid Flood	02/21/03	M	5.4	4.8	5.2	5.3
Mid Flood	02/24/03	M	3.9	3.4	4.2	2.9
Mid Flood	02/28/03	M	3.4	2.8	3.7	3.1
Mid Flood	03/03/03	M	6.1	6.3	5.9	6.6
Mid Flood	03/05/03	M	3.8	4.4	3.6	4.2
Mid Flood	03/07/03	M	6.0	5.7	5.5	5.2
Mid Flood	03/10/03	M	5.3	5.8	5.2	4.8
Mid Flood	03/17/03	M	5.8	6.6	5.2	5.3
Mid Flood	03/19/03	M	5.6	4.8	5.4	5.4
Mid Flood	03/22/03	M	5.9	8.7	7.3	6.9
Mid Flood	03/24/03	M	4.6	3.2	5.7	5.1
Mid Flood	03/27/03	M	2.8	3.9	3.7	3.8
Mid Flood	03/31/03	M	7.3	5.6	6.7	5.4
Mid Flood	04/02/03	M	4.5	4.2	4.7	5.4
Mid Flood	04/04/03	M	3.4	4.5	4.8	6.2
Mid Flood	04/07/03	M	5.2	4.2	4.6	4.3
Mid Flood	04/09/03	M	4.4	4.4	3.7	4.9
Mid Flood	04/14/03	M	7.1	3.1	4.3	4.8
Mid Flood	04/16/03	M	7.3	7.9	7.3	6.9
Mid Flood	02/06/03	B	2.3	2.6	2.4	2.1
Mid Flood	02/08/03	B	4.0	3.4	3.6	2.9
Mid Flood	02/10/03	B	2.6	2.6	3.0	2.7
Mid Flood	02/14/03	B	3.2	2.7	2.9	2.5
Mid Flood	02/17/03	B	4.7	4.5	5.3	4.6
Mid Flood	02/19/03	B	7.0	7.6	6.4	6.1
Mid Flood	02/21/03	B	5.2	4.8	5.3	4.8
Mid Flood	02/24/03	B	4.1	3.4	4.4	3.2
Mid Flood	02/28/03	B	3.7	2.8	4.1	2.8
Mid Flood	03/03/03	B	6.3	6.3	6.2	6.6
Mid Flood	03/05/03	B	4.1	4.4	3.9	4.3
Mid Flood	03/07/03	B	5.8	5.7	5.8	5.7
Mid Flood	03/10/03	B	5.6	5.8	5.7	5.7
Mid Flood	03/17/03	B	6.2	6.6	5.7	5.7
Mid Flood	03/19/03	B	5.8	4.8	5.6	5.6
Mid Flood	03/22/03	B	6.4	8.7	7.5	7.3
Mid Flood	03/24/03	B	5.3	3.2	5.2	5.9
Mid Flood	03/27/03	B	3.1	3.9	3.9	3.8
Mid Flood	03/31/03	B	7.7	5.6	7.3	6.2
Mid Flood	04/02/03	B	4.9	4.2	5.3	5.6
Mid Flood	04/04/03	B	4.3	4.5	4.4	6.5
Mid Flood	04/07/03	B	5.5	4.2	4.9	4.7
Mid Flood	04/09/03	B	4.6	4.4	3.9	5.1
Mid Flood	04/14/03	B	7.4	3.1	4.4	5.6
Mid Flood	04/16/03	B	8.1	7.9	8.2	7.8
	X_i		4.9	4.6	4.9	4.7
	$(X_i - \bar{X}_i)^2$		0.01	0.02	0.02	0.01
	$(X_{ij} - \bar{X}_{ij})^2$		296.6	317.6	264.1	228.6

Central Reclamation Phase III - Baseline Monitoring Results

ONE-WAY ANOVA - Significant Difference Between Marine Based Stations and Control Stations

STATIONS (Dissolved Oxygen)							
TIDE	S_DATE	DEPTH	C1	M7	M8	M9	M10
Mid Ebb	02/06/03	S	8.0	6.7	6.8	6.7	7.1
Mid Ebb	02/08/03	S	7.5	6.3	6.1	6.3	6.6
Mid Ebb	02/10/03	S	7.3	6.2	5.8	6.3	6.7
Mid Ebb	02/14/03	S	7.5	6.6	6.8	7.0	6.9
Mid Ebb	02/18/03	S	7.3	6.8	6.6	7.0	5.8
Mid Ebb	02/19/03	S	6.3	5.9	6.2	5.9	6.9
Mid Ebb	02/21/03	S	7.3	6.8	6.6	6.8	7.1
Mid Ebb	02/24/03	S	7.1	5.7	5.7	5.7	5.9
Mid Ebb	02/28/03	S	8.0	6.8	7.3	6.8	7.1
Mid Ebb	03/03/03	S	7.1	6.4	6.4	6.5	6.5
Mid Ebb	03/05/03	S	6.8	7.0	6.9	6.6	5.8
Mid Ebb	03/07/03	S	7.3	6.6	6.7	6.7	7.2
Mid Ebb	03/10/03	S	7.2	6.4	6.1	6.5	6.9
Mid Ebb	03/17/03	S	7.5	6.7	6.5	6.6	6.9
Mid Ebb	03/19/03	S	7.2	6.7	6.7	6.6	6.7
Mid Ebb	03/22/03	S	5.7	5.4	5.6	5.4	5.5
Mid Ebb	03/24/03	S	7.2	5.9	6.4	5.9	6.2
Mid Ebb	03/26/03	S	6.5	5.6	5.7	5.6	6.1
Mid Ebb	03/31/03	S	6.8	6.4	6.3	6.4	6.5
Mid Ebb	04/02/03	S	6.5	6.3	6.0	6.2	6.4
Mid Ebb	04/04/03	S	7.1	6.4	6.2	6.5	6.0
Mid Ebb	04/07/03	S	6.1	6.1	6.0	6.2	6.2
Mid Ebb	04/09/03	S	6.2	5.7	6.4	6.2	5.8
Mid Ebb	04/14/03	S	6.3	6.1	5.8	5.8	5.9
Mid Ebb	04/16/03	S	6.6	5.8	5.9	5.9	5.6
Mid Ebb	02/06/03	M	7.9	6.7	6.9	6.6	6.9
Mid Ebb	02/08/03	M	7.1	6.4	6.1	6.5	6.7
Mid Ebb	02/10/03	M	7.5	5.7	5.8	6.2	5.7
Mid Ebb	02/14/03	M	7.5	6.4	6.6	6.7	6.8
Mid Ebb	02/18/03	M	6.8	6.4	6.6	6.8	6.8
Mid Ebb	02/19/03	M	6.1	5.7	5.7	5.5	5.4
Mid Ebb	02/21/03	M	7.1	6.5	6.6	6.5	6.7
Mid Ebb	02/24/03	M	6.9	5.6	5.6	5.4	5.8
Mid Ebb	02/28/03	M	7.5	7.2	6.9	7.1	7.3
Mid Ebb	03/03/03	M	6.6	6.1	6.2	6.2	6.8
Mid Ebb	03/05/03	M	6.7	6.9	6.9	6.6	6.7
Mid Ebb	03/07/03	M	7.2	6.4	6.5	6.5	6.6
Mid Ebb	03/10/03	M	7.0	6.1	6.2	6.2	6.3
Mid Ebb	03/17/03	M	7.7	6.6	6.4	6.5	6.7
Mid Ebb	03/19/03	M	7.1	6.5	6.5	6.2	6.4
Mid Ebb	03/22/03	M	5.5	5.4	5.4	5.3	5.5
Mid Ebb	03/24/03	M	7.1	5.9	6.1	5.8	6.1
Mid Ebb	03/26/03	M	6.3	5.5	5.5	5.4	5.6
Mid Ebb	03/31/03	M	6.6	6.2	6.0	6.2	6.2
Mid Ebb	04/02/03	M	6.8	5.9	5.9	6.0	6.2
Mid Ebb	04/04/03	M	6.8	5.9	5.8	6.1	5.8
Mid Ebb	04/07/03	M	5.9	6.0	5.9	6.0	6.1
Mid Ebb	04/09/03	M	5.8	5.5	6.0	5.9	5.8
Mid Ebb	04/14/03	M	5.8	5.8	5.7	5.7	5.6
Mid Ebb	04/16/03	M	6.4	5.8	5.9	5.9	5.7
Mid Ebb	02/06/03	B	7.6	6.7	7.0	6.6	6.9
Mid Ebb	02/08/03	B	7.4	6.4	6.3	6.2	6.5
Mid Ebb	02/10/03	B	7.6	5.7	5.6	5.7	5.6
Mid Ebb	02/14/03	B	7.1	6.4	6.6	6.5	6.7
Mid Ebb	02/18/03	B	6.7	6.2	6.5	6.7	6.8
Mid Ebb	02/19/03	B	5.6	5.4	5.3	4.7	4.2
Mid Ebb	02/21/03	B	6.6	6.4	6.3	6.4	6.5
Mid Ebb	02/24/03	B	7.3	5.6	5.8	5.3	5.7
Mid Ebb	02/28/03	B	7.8	6.8	6.7	6.8	6.8
Mid Ebb	03/03/03	B	6.3	6.1	6.0	6.0	6.4
Mid Ebb	03/05/03	B	6.6	6.9	6.8	6.5	6.6
Mid Ebb	03/07/03	B	7.1	6.3	6.4	6.3	6.5
Mid Ebb	03/10/03	B	7.1	6.0	6.0	5.9	6.3
Mid Ebb	03/17/03	B	7.7	6.4	6.2	6.4	6.6
Mid Ebb	03/19/03	B	6.7	6.4	6.3	6.2	6.4
Mid Ebb	03/22/03	B	5.2	5.1	5.3	5.2	5.3
Mid Ebb	03/24/03	B	7.1	5.7	6.1	5.7	5.8
Mid Ebb	03/26/03	B	6.1	5.4	5.3	5.3	5.4
Mid Ebb	03/31/03	B	6.3	6.0	5.9	6.1	6.1
Mid Ebb	04/02/03	B	6.3	5.7	5.6	5.8	5.9
Mid Ebb	04/04/03	B	7.0	5.7	5.6	5.9	5.7
Mid Ebb	04/07/03	B	5.9	5.9	6.0	5.9	6.0
Mid Ebb	04/09/03	B	5.6	5.5	5.8	5.8	5.6
Mid Ebb	04/14/03	B	5.5	5.7	5.7	5.7	5.6
Mid Ebb	04/16/03	B	6.4	5.7	6.0	5.8	5.8
Mid Flood	02/06/03	S	7.9	6.4	6.8	6.8	7.2
Mid Flood	02/08/03	S	7.3	6.2	6.5	6.5	6.9
Mid Flood	02/10/03	S	6.6	5.6	5.8	5.8	6.6
Mid Flood	02/14/03	S	8.0	6.8	6.7	6.6	6.8
Mid Flood	02/17/03	S	7.5	6.9	6.8	6.6	6.1
Mid Flood	02/19/03	S	6.4	6.2	5.8	6.0	6.3
Mid Flood	02/21/03	S	7.4	6.9	6.7	6.9	6.9
Mid Flood	02/24/03	S	7.4	5.7	6.0	5.9	5.7
Mid Flood	02/28/03	S	7.5	6.6	6.9	6.8	6.5
Mid Flood	03/03/03	S	6.5	5.9	6.6	6.1	6.7
Mid Flood	03/05/03	S	6.7	6.5	6.5	6.7	6.6
Mid Flood	03/07/03	S	6.9	6.6	6.8	6.4	6.3
Mid Flood	03/10/03	S	6.8	5.9	7.1	6.3	6.7
Mid Flood	03/17/03	S	7.9	6.8	6.6	6.9	6.8
Mid Flood	03/19/03	S	6.8	6.4	6.4	6.3	6.5
Mid Flood	03/22/03	S	5.7	4.9	5.5	5.3	5.3
Mid Flood	03/24/03	S	7.3	5.6	5.9	6.0	6.4
Mid Flood	03/27/03	S	6.4	5.7	6.2	5.7	5.8
Mid Flood	03/31/03	S	7.2	6.7	6.6	6.5	6.6
Mid Flood	04/02/03	S	6.8	5.5	5.5	5.7	6.5
Mid Flood	04/04/03	S	6.6	5.7	6.0	5.8	6.2
Mid Flood	04/07/03	S	6.2	5.8	6.0	5.8	5.7
Mid Flood	04/09/03	S	6.2	5.9	6.2	5.8	6.0
Mid Flood	04/14/03	S	6.5	5.7	5.8	6.3	5.7
Mid Flood	04/16/03	S	7.1	6.0	5.8	5.9	5.7
Mid Flood	02/06/03	M	7.7	6.4	6.8	6.7	6.9
Mid Flood	02/08/03	M	7.6	6.3	6.6	6.3	6.8
Mid Flood	02/10/03	M	6.3	5.4	5.6	5.7	5.5

ANOVA TABLE

Source	SS	df	MS	F	F _c
STATION	50.4	4	12.6	44.2	F _{0.25} 0.25 1.34
ERROR	212.1	745	0.3		F _{0.10} 0.1 1.89
					F _{0.05} 0.05 2.27
					F _{0.01} 0.01 3.14
					F _{0.001} 0.001 4.35

a = 5

n = 150

H₀: μ₁ - μ₂ = 0

Reason to reject H₀? **Yes**

No significant difference between monitoring stations C1 and and M7 through M10

Mid Flood	02/14/03	M	7.4	7.1	6.6	6.7	6.6
Mid Flood	02/17/03	M	7.2	6.7	6.6	6.4	6.6
Mid Flood	02/19/03	M	6.0	5.8	5.8	5.7	5.8
Mid Flood	02/21/03	M	6.8	6.8	6.5	6.6	6.4
Mid Flood	02/24/03	M	7.2	5.5	5.8	5.5	5.7
Mid Flood	02/28/03	M	7.6	6.2	6.6	6.6	6.8
Mid Flood	03/03/03	M	6.4	5.7	6.5	6.0	6.0
Mid Flood	03/05/03	M	6.5	6.4	6.4	6.5	6.6
Mid Flood	03/07/03	M	6.5	6.1	6.6	6.2	6.6
Mid Flood	03/10/03	M	7.0	5.6	6.7	5.9	6.3
Mid Flood	03/17/03	M	7.8	6.6	6.6	6.8	6.8
Mid Flood	03/19/03	M	6.4	6.3	6.2	6.2	6.3
Mid Flood	03/22/03	M	5.4	4.9	5.3	5.3	5.2
Mid Flood	03/24/03	M	7.3	5.6	5.8	6.1	6.3
Mid Flood	03/27/03	M	5.8	5.4	6.2	5.5	5.7
Mid Flood	03/31/03	M	6.9	6.2	6.2	6.1	6.4
Mid Flood	04/02/03	M	6.4	5.4	5.6	5.8	6.2
Mid Flood	04/04/03	M	6.8	5.4	5.8	5.5	5.9
Mid Flood	04/07/03	M	6.2	5.5	6.0	5.7	5.5
Mid Flood	04/09/03	M	5.8	5.7	5.7	5.7	5.8
Mid Flood	04/14/03	M	6.0	5.5	5.7	5.8	5.5
Mid Flood	04/16/03	M	6.8	6.1	5.9	6.0	5.9
Mid Flood	02/06/03	B	7.6	6.4	6.8	6.6	6.8
Mid Flood	02/08/03	B	7.8	6.1	6.6	6.4	6.4
Mid Flood	02/10/03	B	6.3	5.3	5.6	5.7	5.4
Mid Flood	02/14/03	B	6.9	7.2	6.6	6.6	6.4
Mid Flood	02/17/03	B	6.8	6.6	6.6	6.4	6.5
Mid Flood	02/19/03	B	6.1	5.7	5.8	5.8	5.5
Mid Flood	02/21/03	B	6.7	6.6	6.5	6.4	6.3
Mid Flood	02/24/03	B	7.4	5.6	5.8	5.3	5.6
Mid Flood	02/28/03	B	7.8	6.3	6.6	6.8	6.6
Mid Flood	03/03/03	B	6.3	5.8	6.5	5.9	6.0
Mid Flood	03/05/03	B	6.5	6.3	6.4	6.6	6.4
Mid Flood	03/07/03	B	6.4	6.2	6.6	6.1	6.5
Mid Flood	03/10/03	B	6.7	5.6	6.7	5.8	6.2
Mid Flood	03/17/03	B	7.4	6.4	6.6	6.7	6.6
Mid Flood	03/19/03	B	6.2	6.2	6.2	6.2	6.1
Mid Flood	03/22/03	B	4.8	4.9	5.3	4.9	4.8
Mid Flood	03/24/03	B	7.2	5.5	5.8	6.1	6.3
Mid Flood	03/27/03	B	5.5	5.4	6.2	5.4	5.4
Mid Flood	03/31/03	B	6.7	6.0	6.2	5.8	6.3
Mid Flood	04/02/03	B	6.7	5.3	5.6	5.7	5.9
Mid Flood	04/04/03	B	6.5	5.3	5.8	5.5	5.7
Mid Flood	04/07/03	B	5.9	5.2	6.0	5.6	5.5
Mid Flood	04/09/03	B	5.6	5.4	5.7	5.7	5.6
Mid Flood	04/14/03	B	5.6	5.4	5.7	5.7	5.3
Mid Flood	04/16/03	B	6.6	6.0	5.9	6.1	5.8
		X _i	6.8	6.1	6.2	6.1	6.2
		(X _i - X _{..}) ²	0.3	0.0	0.0	0.0	0.0
		(X _{it} - X _{i.}) ²	65.7	39.5	30.0	33.6	43.3

TIDE	S_DATE	DEPTH	STATIONS (SS)				
			C1	M7	M8	M9	M10
Mid Ebb	02/06/03	S	3.0	4.0	4.0	5.5	4.5
Mid Ebb	02/08/03	S	6.5	4.0	5.0	6.0	6.0
Mid Ebb	02/10/03	S	2.5	5.5	4.0	4.5	6.0
Mid Ebb	02/14/03	S	4.0	5.0	5.5	5.0	5.5
Mid Ebb	02/18/03	S	5.5	5.0	6.0	6.0	6.0
Mid Ebb	02/19/03	S	5.0	7.5	6.5	7.0	3.0
Mid Ebb	02/21/03	S	6.5	7.0	8.0	7.0	8.0
Mid Ebb	02/24/03	S	6.0	5.0	6.0	8.0	6.5
Mid Ebb	02/28/03	S	5.0	6.0	4.0	6.0	7.5
Mid Ebb	03/03/03	S	7.5	8.0	7.0	7.0	7.0
Mid Ebb	03/05/03	S	6.0	5.5	6.0	6.0	5.0
Mid Ebb	03/07/03	S	7.5	7.0	6.5	7.0	5.5
Mid Ebb	03/10/03	S	7.0	6.0	8.0	5.5	8.0
Mid Ebb	03/17/03	S	10.0	8.0	7.0	11.0	8.0
Mid Ebb	03/19/03	S	9.0	10.0	10.0	9.0	10.0
Mid Ebb	03/22/03	S	10.0	8.0	8.0	7.0	7.0
Mid Ebb	03/24/03	S	7.0	10.0	6.0	9.0	5.0
Mid Ebb	03/26/03	S	6.0	7.0	6.0	10.0	7.0
Mid Ebb	03/31/03	S	8.0	7.0	7.0	7.0	8.0
Mid Ebb	04/02/03	S	7.0	7.0	7.0	7.0	7.0
Mid Ebb	04/04/03	S	7.0	6.0	6.0	7.0	8.0
Mid Ebb	04/07/03	S	6.0	7.0	6.0	8.0	7.0
Mid Ebb	04/09/03	S	5.0	6.0	5.0	6.0	5.0
Mid Ebb	04/14/03	S	6.0	5.0	7.0	5.0	7.0
Mid Ebb	04/16/03	S	7.0	7.0	7.0	8.0	8.0
Mid Ebb	02/06/03	M	3.0	4.0	4.0	5.5	3.0
Mid Ebb	02/08/03	M	6.0	4.0	4.5	5.0	6.0
Mid Ebb	02/10/03	M	2.0	4.5	4.5	5.0	4.0
Mid Ebb	02/14/03	M	4.0	5.0	5.0	5.5	4.5
Mid Ebb	02/18/03	M	4.0	5.0	5.0	6.0	6.5
Mid Ebb	02/19/03	M	5.5	8.5	8.5	6.0	6.0
Mid Ebb	02/21/03	M	6.0	7.5	7.0	7.0	8.0
Mid Ebb	02/24/03	M	6.5	4.5	5.5	7.0	6.5
Mid Ebb	02/28/03	M	5.0	6.0	5.0	6.0	4.0
Mid Ebb	03/03/03	M	6.0	7.0	7.0	6.0	7.0
Mid Ebb	03/05/03	M	5.5	5.0	5.0	6.0	6.0
Mid Ebb	03/07/03	M	7.0	6.5	6.0	6.5	7.5
Mid Ebb	03/10/03	M	6.0	5.5	8.0	7.0	6.0
Mid Ebb	03/17/03	M	8.0	8.0	8.0	9.0	8.0
Mid Ebb	03/19/03	M	8.0	12.0	10.0	10.0	10.0
Mid Ebb	03/22/03	M	7.0	8.0	7.0	8.0	7.0
Mid Ebb	03/24/03	M	6.0	9.0	5.0	10.0	5.0
Mid Ebb	03/26/03	M	6.0	8.0	6.0	10.0	7.0
Mid Ebb	03/31/03	M	7.0	7.0	6.0	7.0	8.0
Mid Ebb	04/02/03	M	6.0	7.0	7.0	6.0	7.0
Mid Ebb	04/04/03	M	7.0	6.0	8.0	6.0	7.0
Mid Ebb	04/07/03	M	5.0	7.0	6.0	7.0	8.0
Mid Ebb	04/09/03	M	6.0	6.0	5.0	6.0	6.0

ANOVA TABLE

Source	SS	df	MS	F	F _c		
STATION	10.5	4	2.6	0.8	F _{0.25}	0.25	1.34
ERROR	2605.7	745	3.5		F _{0.10}	0.1	1.89
					F _{0.05}	0.05	2.27
					F _{0.01}	0.01	3.14
					F _{0.001}	0.001	4.35

a = 5

n = 150

H₀: μ₁ - μ₂ = 0

Reason to reject H₀? **No**

No significant difference between monitoring stations C1 and and M7 through M10

Mid Ebb	04/14/03	M	5.0	5.0	6.0	5.0	6.0
Mid Ebb	04/16/03	M	7.0	7.0	6.0	7.0	8.0
Mid Ebb	02/06/03	B	3.5	4.0	4.0	6.0	3.0
Mid Ebb	02/08/03	B	5.5	4.0	5.5	5.5	7.0
Mid Ebb	02/10/03	B	2.0	5.0	5.0	5.0	5.0
Mid Ebb	02/14/03	B	4.0	5.0	5.5	5.0	6.0
Mid Ebb	02/18/03	B	5.0	5.0	5.5	6.0	5.5
Mid Ebb	02/19/03	B	6.0	9.5	7.0	6.0	5.5
Mid Ebb	02/21/03	B	6.0	7.5	8.0	7.0	8.0
Mid Ebb	02/24/03	B	6.5	6.0	6.5	7.0	6.0
Mid Ebb	02/28/03	B	5.0	6.0	5.0	5.5	4.0
Mid Ebb	03/03/03	B	7.0	8.0	6.5	7.0	7.0
Mid Ebb	03/05/03	B	6.0	6.0	5.5	5.5	6.5
Mid Ebb	03/07/03	B	7.0	7.0	7.5	6.5	8.0
Mid Ebb	03/10/03	B	6.0	6.0	10.5	7.0	6.0
Mid Ebb	03/17/03	B	8.0	8.0	8.0	9.0	8.0
Mid Ebb	03/19/03	B	8.0	11.0	10.0	10.0	9.0
Mid Ebb	03/22/03	B	8.0	7.0	7.0	8.0	8.0
Mid Ebb	03/24/03	B	5.0	10.0	7.0	11.0	6.0
Mid Ebb	03/26/03	B	6.0	8.0	6.0	12.0	8.0
Mid Ebb	03/31/03	B	10.0	7.0	8.0	7.0	8.0
Mid Ebb	04/02/03	B	7.0	6.0	7.0	7.0	7.0
Mid Ebb	04/04/03	B	8.0	6.0	7.0	7.0	7.0
Mid Ebb	04/07/03	B	4.0	7.0	8.0	7.0	7.0
Mid Ebb	04/09/03	B	5.0	5.0	5.0	6.0	5.0
Mid Ebb	04/14/03	B	5.0	5.0	6.0	5.0	6.0
Mid Ebb	04/16/03	B	8.0	7.0	7.0	7.0	8.0
Mid Flood	02/06/03	S	3.0	5.0	5.5	5.5	6.5
Mid Flood	02/08/03	S	4.5	5.5	4.5	5.5	4.5
Mid Flood	02/10/03	S	1.0	4.0	4.0	4.0	5.0
Mid Flood	02/14/03	S	3.5	4.0	5.0	4.0	4.5
Mid Flood	02/17/03	S	12.0	5.0	5.0	6.0	5.0
Mid Flood	02/19/03	S	8.5	8.5	10.5	8.0	9.0
Mid Flood	02/21/03	S	8.5	7.0	7.0	7.0	4.0
Mid Flood	02/24/03	S	5.0	6.0	4.0	6.0	4.5
Mid Flood	02/28/03	S	5.0	6.0	5.0	6.0	4.0
Mid Flood	03/03/03	S	11.5	8.0	10.0	9.0	6.0
Mid Flood	03/05/03	S	7.0	5.0	6.5	5.0	8.0
Mid Flood	03/07/03	S	10.0	10.0	9.0	8.0	12.5
Mid Flood	03/10/03	S	7.0	6.5	6.0	6.5	8.0
Mid Flood	03/17/03	S	7.0	7.0	7.0	7.0	8.0
Mid Flood	03/19/03	S	8.0	8.0	8.0	8.0	7.0
Mid Flood	03/22/03	S	12.0	10.0	13.0	11.0	11.0
Mid Flood	03/24/03	S	7.0	7.0	5.0	6.0	7.0
Mid Flood	03/27/03	S	5.0	4.0	5.0	5.0	5.0
Mid Flood	03/31/03	S	7.0	8.0	6.0	7.0	5.0
Mid Flood	04/02/03	S	6.0	5.0	6.0	6.0	6.0
Mid Flood	04/04/03	S	8.0	5.0	5.0	5.0	7.0
Mid Flood	04/07/03	S	6.0	7.0	5.0	5.0	6.0
Mid Flood	04/09/03	S	5.0	4.0	5.0	5.0	7.0
Mid Flood	04/14/03	S	6.0	9.0	4.0	4.0	8.0
Mid Flood	04/16/03	S	7.0	9.0	8.0	8.0	7.0
Mid Flood	02/06/03	M	3.5	4.5	5.5	5.5	5.0
Mid Flood	02/08/03	M	5.0	5.5	5.5	5.0	4.5
Mid Flood	02/10/03	M	2.0	4.0	4.0	4.0	3.5
Mid Flood	02/14/03	M	4.0	4.5	4.0	4.0	5.0
Mid Flood	02/17/03	M	12.5	6.0	6.0	6.0	7.0
Mid Flood	02/19/03	M	8.5	8.0	11.0	7.0	8.5
Mid Flood	02/21/03	M	8.5	8.0	7.0	7.5	7.0
Mid Flood	02/24/03	M	4.0	5.5	3.5	7.0	5.5
Mid Flood	02/28/03	M	4.0	6.5	5.0	7.0	4.5
Mid Flood	03/03/03	M	11.5	8.0	9.5	8.0	11.0
Mid Flood	03/05/03	M	6.5	6.0	6.0	5.0	5.0
Mid Flood	03/07/03	M	9.0	8.5	8.0	8.5	9.0
Mid Flood	03/10/03	M	5.5	7.0	6.0	6.5	6.5
Mid Flood	03/17/03	M	6.0	7.0	10.0	8.0	8.0
Mid Flood	03/19/03	M	8.0	8.0	7.0	8.0	9.0
Mid Flood	03/22/03	M	12.0	11.0	13.0	11.0	11.0
Mid Flood	03/24/03	M	5.0	8.0	6.0	8.0	9.0
Mid Flood	03/27/03	M	4.0	5.0	5.0	5.0	5.0
Mid Flood	03/31/03	M	7.0	7.0	5.0	8.0	6.0
Mid Flood	04/02/03	M	6.0	6.0	6.0	6.0	6.0
Mid Flood	04/04/03	M	7.0	5.0	6.0	4.0	9.0
Mid Flood	04/07/03	M	7.0	6.0	5.0	6.0	6.0
Mid Flood	04/09/03	M	5.0	5.0	6.0	5.0	7.0
Mid Flood	04/14/03	M	5.0	8.0	4.0	4.0	9.0
Mid Flood	04/16/03	M	7.0	9.0	8.0	8.0	6.0
Mid Flood	02/06/03	B	4.0	5.0	5.5	4.0	5.0
Mid Flood	02/08/03	B	5.0	5.5	5.5	5.0	6.0
Mid Flood	02/10/03	B	3.0	4.5	4.0	4.0	4.0
Mid Flood	02/14/03	B	4.0	4.0	4.0	4.0	5.0
Mid Flood	02/17/03	B	12.0	5.0	6.0	5.0	7.0
Mid Flood	02/19/03	B	9.0	8.5	11.0	7.0	8.0
Mid Flood	02/21/03	B	8.5	7.5	7.0	8.0	7.0
Mid Flood	02/24/03	B	5.5	6.0	3.5	6.5	6.0
Mid Flood	02/28/03	B	5.0	7.0	5.0	6.0	4.0
Mid Flood	03/03/03	B	11.0	9.0	9.5	9.0	11.0
Mid Flood	03/05/03	B	7.0	6.0	6.0	5.5	5.0
Mid Flood	03/07/03	B	8.5	8.0	8.0	8.0	8.5
Mid Flood	03/10/03	B	6.0	6.5	6.0	6.0	6.0
Mid Flood	03/17/03	B	7.0	7.0	10.0	9.0	7.0
Mid Flood	03/19/03	B	10.0	8.0	7.0	9.0	9.0
Mid Flood	03/22/03	B	11.0	10.0	13.0	10.0	11.0
Mid Flood	03/24/03	B	6.0	9.0	6.0	8.0	10.0
Mid Flood	03/27/03	B	4.0	5.0	5.0	5.0	6.0
Mid Flood	03/31/03	B	6.0	7.0	5.0	7.0	6.0
Mid Flood	04/02/03	B	5.0	5.0	6.0	5.0	6.0
Mid Flood	04/04/03	B	7.0	5.0	6.0	5.0	8.0
Mid Flood	04/07/03	B	6.0	6.0	5.0	5.0	5.0
Mid Flood	04/09/03	B	6.0	5.0	6.0	4.0	5.0
Mid Flood	04/14/03	B	3.0	9.0	4.0	5.0	8.0
Mid Flood	04/16/03	B	8.0	9.0	8.0	9.0	7.0
	X_i		6.4	6.6	6.4	6.7	6.7
	$(X_i - X_{..})^2$		0.03	0.00	0.01	0.01	0.02
	$(X_{ii} - X_i)^2$		721.7	441.6	540.0	435.4	467.0

TIDE	S_DATE	DEPTH	STATIONS (Turbidity)				
			C1	M7	M9	M10	
Mid Ebb	02/06/03	S	1.4	1.8	1.5	3.1	3.3
Mid Ebb	02/08/03	S	3.5	2.9	3.2	4.2	3.8
Mid Ebb	02/10/03	S	1.2	3.2	3.2	3.4	3.9
Mid Ebb	02/14/03	S	2.1	3.4	3.2	3.4	4.2
Mid Ebb	02/18/03	S	3.7	4.4	3.8	4.2	4.4
Mid Ebb	02/19/03	S	3.4	7.4	5.7	4.6	2.2
Mid Ebb	02/21/03	S	4.8	5.2	4.1	5.1	5.2
Mid Ebb	02/24/03	S	4.3	5.4	5.2	5.4	4.8
Mid Ebb	02/28/03	S	2.7	4.2	3.1	3.6	5.0
Mid Ebb	03/03/03	S	4.9	4.7	5.0	5.5	4.3
Mid Ebb	03/05/03	S	3.1	4.0	3.6	3.9	3.2
Mid Ebb	03/07/03	S	5.2	4.3	4.4	4.1	2.9
Mid Ebb	03/10/03	S	4.5	4.5	4.4	4.1	4.5
Mid Ebb	03/17/03	S	5.0	7.1	7.5	6.3	5.6
Mid Ebb	03/19/03	S	6.8	6.7	6.4	7.1	5.3
Mid Ebb	03/22/03	S	5.4	6.7	6.0	6.8	5.5
Mid Ebb	03/24/03	S	3.4	6.1	3.9	7.5	3.8
Mid Ebb	03/26/03	S	3.8	5.7	4.1	6.8	6.0
Mid Ebb	03/31/03	S	4.4	4.3	4.8	4.7	5.0
Mid Ebb	04/02/03	S	5.4	5.6	6.7	5.7	4.9
Mid Ebb	04/04/03	S	4.2	4.8	5.3	5.5	4.7
Mid Ebb	04/07/03	S	4.1	5.8	4.8	6.5	5.7
Mid Ebb	04/09/03	S	3.9	4.4	4.0	4.8	5.1
Mid Ebb	04/14/03	S	3.5	3.7	5.1	3.5	4.5
Mid Ebb	04/16/03	S	4.3	4.5	5.2	3.9	4.2
Mid Ebb	02/06/03	M	1.7	1.8	1.8	3.2	2.4
Mid Ebb	02/08/03	M	3.2	3.1	3.6	3.9	4.3
Mid Ebb	02/10/03	M	1.3	3.4	3.5	3.6	3.2
Mid Ebb	02/14/03	M	2.3	3.7	3.4	3.8	3.2
Mid Ebb	02/18/03	M	3.8	4.6	3.8	4.4	4.2
Mid Ebb	02/19/03	M	3.5	6.8	5.5	4.7	4.7
Mid Ebb	02/21/03	M	4.4	4.9	4.3	5.3	4.3
Mid Ebb	02/24/03	M	4.5	4.9	5.5	4.9	4.6
Mid Ebb	02/28/03	M	2.3	3.6	2.6	4.0	3.6
Mid Ebb	03/03/03	M	5.2	5.1	5.2	5.7	5.4
Mid Ebb	03/05/03	M	3.3	4.3	3.7	4.3	4.4
Mid Ebb	03/07/03	M	5.4	4.5	4.4	4.2	4.9
Mid Ebb	03/10/03	M	4.8	4.1	4.7	3.9	4.0
Mid Ebb	03/17/03	M	4.6	7.6	7.7	6.9	5.4
Mid Ebb	03/19/03	M	6.8	6.4	6.4	7.4	5.7
Mid Ebb	03/22/03	M	5.5	6.6	5.9	6.8	5.6
Mid Ebb	03/24/03	M	3.7	6.2	4.1	7.5	4.1
Mid Ebb	03/26/03	M	3.8	5.8	4.1	7.0	6.4
Mid Ebb	03/31/03	M	4.4	3.9	4.5	4.3	5.5
Mid Ebb	04/02/03	M	4.8	6.3	5.5	4.9	5.3
Mid Ebb	04/04/03	M	4.7	4.3	4.7	4.7	5.3
Mid Ebb	04/07/03	M	4.3	6.3	5.1	7.1	5.6
Mid Ebb	04/09/03	M	4.2	4.7	4.3	5.2	4.9
Mid Ebb	04/14/03	M	3.7	3.6	5.3	3.6	4.8
Mid Ebb	04/16/03	M	5.2	5.3	4.7	4.4	4.6
Mid Ebb	02/06/03	B	1.5	2.1	1.6	2.9	2.5
Mid Ebb	02/08/03	B	3.3	3.3	3.9	3.7	4.1
Mid Ebb	02/10/03	B	1.0	3.6	3.6	3.5	3.5
Mid Ebb	02/14/03	B	2.3	3.9	3.6	3.4	3.1
Mid Ebb	02/18/03	B	3.3	4.3	4.1	4.5	4.6
Mid Ebb	02/19/03	B	3.8	5.8	5.5	5.1	5.3
Mid Ebb	02/21/03	B	3.8	4.8	5.2	5.8	4.5
Mid Ebb	02/24/03	B	4.1	5.1	5.2	5.1	5.1
Mid Ebb	02/28/03	B	2.6	3.9	2.9	4.3	3.9
Mid Ebb	03/03/03	B	5.9	5.6	5.3	6.0	5.8
Mid Ebb	03/05/03	B	3.7	4.4	4.2	4.6	4.7
Mid Ebb	03/07/03	B	5.6	4.7	4.6	4.6	5.4
Mid Ebb	03/10/03	B	4.7	3.9	4.2	4.1	4.4
Mid Ebb	03/17/03	B	4.8	7.2	7.2	7.1	5.9
Mid Ebb	03/19/03	B	6.7	6.5	6.7	7.5	5.7
Mid Ebb	03/22/03	B	5.9	6.6	6.3	7.0	5.8
Mid Ebb	03/24/03	B	4.0	6.1	4.4	7.5	4.2
Mid Ebb	03/26/03	B	4.0	6.1	4.5	7.1	6.4
Mid Ebb	03/31/03	B	4.6	4.1	4.4	4.7	5.6
Mid Ebb	04/02/03	B	5.5	6.5	6.0	6.3	5.5
Mid Ebb	04/04/03	B	5.2	5.3	5.2	5.3	5.6
Mid Ebb	04/07/03	B	4.6	6.5	5.4	7.3	6.3
Mid Ebb	04/09/03	B	4.3	4.8	4.4	5.3	5.3
Mid Ebb	04/14/03	B	3.7	3.6	5.3	3.8	5.1
Mid Ebb	04/16/03	B	4.8	5.3	5.6	4.8	5.1
Mid Flood	02/06/03	S	1.5	2.5	2.5	2.5	4.1
Mid Flood	02/08/03	S	2.8	3.2	3.9	4.2	2.7
Mid Flood	02/10/03	S	1.2	2.4	2.7	3.1	3.1
Mid Flood	02/14/03	S	2.1	2.4	2.7	2.7	3.7
Mid Flood	02/17/03	S	7.5	4.2	4.2	4.6	3.2
Mid Flood	02/19/03	S	4.6	4.8	7.4	5.9	5.7
Mid Flood	02/21/03	S	5.5	4.4	5.2	4.8	2.0
Mid Flood	02/24/03	S	3.1	3.7	3.6	3.9	2.1
Mid Flood	02/28/03	S	2.4	3.1	2.5	3.3	2.2
Mid Flood	03/03/03	S	6.2	5.3	5.9	5.5	5.4
Mid Flood	03/05/03	S	3.4	3.5	4.0	3.3	5.1
Mid Flood	03/07/03	S	4.9	5.9	5.4	5.1	6.2
Mid Flood	03/10/03	S	4.2	4.8	5.3	4.7	4.4
Mid Flood	03/17/03	S	5.4	5.3	6.1	4.9	5.1
Mid Flood	03/19/03	S	5.3	5.4	4.6	5.3	5.3
Mid Flood	03/22/03	S	7.3	6.2	8.6	7.0	6.8
Mid Flood	03/24/03	S	3.0	4.3	2.5	3.7	4.1
Mid Flood	03/27/03	S	2.9	2.9	3.8	3.7	3.7
Mid Flood	03/31/03	S	4.6	6.8	5.4	7.0	5.8
Mid Flood	04/02/03	S	4.5	5.2	4.7	4.2	6.0
Mid Flood	04/04/03	S	5.0	3.8	4.2	4.1	5.8
Mid Flood	04/07/03	S	4.6	4.9	3.6	4.3	4.0
Mid Flood	04/09/03	S	4.3	4.3	4.2	3.7	4.5
Mid Flood	04/14/03	S	4.3	6.8	2.8	4.1	5.3
Mid Flood	04/16/03	S	5.8	7.7	7.3	6.8	7.4
Mid Flood	02/06/03	M	1.2	2.5	2.6	3.0	1.9

ANOVA TABLE

Source	SS	df	MS	F	F _c
STATION	14.7	4	3.7	1.9	F _{0.25} 0.25 1.34
ERROR	1444.1	745	1.9		F _{0.10} 0.1 1.89
					F _{0.05} 0.05 2.27
					F _{0.01} 0.01 3.14
					F _{0.001} 0.001 4.35

a = 5
n = 150

H₀: μ₁ - μ₂ = 0

Reason to reject H₀? **No**

No significant difference between monitoring stations C1, C2, and M7 through M10

Mid Flood	02/08/03	M	2.5	3.6	3.4	3.7	2.8
Mid Flood	02/10/03	M	1.2	2.6	2.6	3.1	2.4
Mid Flood	02/14/03	M	2.4	2.7	2.7	2.8	2.4
Mid Flood	02/17/03	M	7.7	4.4	4.5	5.2	4.3
Mid Flood	02/19/03	M	4.6	7.2	7.6	6.2	5.8
Mid Flood	02/21/03	M	6.1	5.4	4.8	5.2	5.3
Mid Flood	02/24/03	M	3.4	3.9	3.4	4.2	2.9
Mid Flood	02/28/03	M	2.6	3.4	2.8	3.7	3.1
Mid Flood	03/03/03	M	6.5	6.1	6.3	5.9	6.6
Mid Flood	03/05/03	M	3.7	3.8	4.4	3.6	4.2
Mid Flood	03/07/03	M	5.2	6.0	5.7	5.5	5.2
Mid Flood	03/10/03	M	4.6	5.3	5.8	5.2	4.8
Mid Flood	03/17/03	M	5.9	5.8	6.6	5.2	5.3
Mid Flood	03/19/03	M	5.5	5.6	4.8	5.4	5.4
Mid Flood	03/22/03	M	7.3	5.9	8.7	7.3	6.9
Mid Flood	03/24/03	M	3.4	4.6	3.2	5.7	5.1
Mid Flood	03/27/03	M	2.9	2.8	3.9	3.7	3.8
Mid Flood	03/31/03	M	5.2	7.3	5.6	6.7	5.4
Mid Flood	04/02/03	M	5.2	4.5	4.2	4.7	5.4
Mid Flood	04/04/03	M	5.7	3.4	4.5	4.8	6.2
Mid Flood	04/07/03	M	5.1	5.2	4.2	4.6	4.3
Mid Flood	04/09/03	M	4.4	4.4	4.4	3.7	4.9
Mid Flood	04/14/03	M	4.4	7.1	3.1	4.3	4.8
Mid Flood	04/16/03	M	5.5	7.3	7.9	7.3	6.9
Mid Flood	02/06/03	B	1.5	2.3	2.6	2.4	2.1
Mid Flood	02/08/03	B	2.8	4.0	3.4	3.6	2.9
Mid Flood	02/10/03	B	1.2	2.6	2.6	3.0	2.7
Mid Flood	02/14/03	B	2.4	3.2	2.7	2.9	2.5
Mid Flood	02/17/03	B	8.0	4.7	4.5	5.3	4.6
Mid Flood	02/19/03	B	4.8	7.0	7.6	6.4	6.1
Mid Flood	02/21/03	B	6.4	5.2	4.8	5.3	4.8
Mid Flood	02/24/03	B	2.9	4.1	3.4	4.4	3.2
Mid Flood	02/28/03	B	2.7	3.7	2.8	4.1	2.8
Mid Flood	03/03/03	B	6.8	6.3	6.3	6.2	6.6
Mid Flood	03/05/03	B	4.0	4.1	4.4	3.9	4.3
Mid Flood	03/07/03	B	5.4	5.8	5.7	5.8	5.7
Mid Flood	03/10/03	B	4.8	5.6	5.8	5.7	5.7
Mid Flood	03/17/03	B	6.1	6.2	6.6	5.7	5.7
Mid Flood	03/19/03	B	5.3	5.8	4.8	5.6	5.6
Mid Flood	03/22/03	B	7.5	6.4	8.7	7.5	7.3
Mid Flood	03/24/03	B	4.5	5.3	3.2	5.2	5.9
Mid Flood	03/27/03	B	3.1	3.1	3.9	3.9	3.8
Mid Flood	03/31/03	B	4.6	7.7	5.6	7.3	6.2
Mid Flood	04/02/03	B	4.8	4.9	4.2	5.3	5.6
Mid Flood	04/04/03	B	5.4	4.3	4.5	4.4	6.5
Mid Flood	04/07/03	B	5.3	5.5	4.2	4.9	4.7
Mid Flood	04/09/03	B	4.5	4.6	4.4	3.9	5.1
Mid Flood	04/14/03	B	4.3	7.4	3.1	4.4	5.6
Mid Flood	04/16/03	B	6.1	8.1	7.9	8.2	7.8
		X_i	4.2	4.9	4.6	4.9	4.7
		$(X_i - X_{..})^2$	0.18	0.04	0.00	0.06	0.00
		$(X_{ii} - X_i)^2$	337.1	296.6	317.6	264.1	228.6

Central Reclamation Phase III - Baseline Monitoring Results

ONE-WAY ANOVA - Significant Difference Between Marine Based Stations and Control Stations

STATIONS (DO - DEPTH AVG)							
TIDE	S_DATE	DEPTH	C2	M7	M8	M9	M10
Mid Ebb	02/06/03	S	7.8	6.7	6.8	6.7	7.1
Mid Ebb	02/08/03	S	7.2	6.3	6.1	6.3	6.6
Mid Ebb	02/10/03	S	6.8	6.2	5.8	6.3	6.7
Mid Ebb	02/14/03	S	7.6	6.6	6.8	7.0	6.9
Mid Ebb	02/18/03	S	7.5	6.8	6.6	7.0	5.8
Mid Ebb	02/19/03	S	6.7	5.9	6.2	5.9	6.9
Mid Ebb	02/21/03	S	7.0	6.8	6.6	6.8	7.1
Mid Ebb	02/24/03	S	6.9	5.7	5.7	5.7	5.9
Mid Ebb	02/28/03	S	7.7	6.8	7.3	6.8	7.1
Mid Ebb	03/03/03	S	6.4	6.4	6.4	6.5	6.5
Mid Ebb	03/05/03	S	7.0	7.0	6.9	6.6	5.8
Mid Ebb	03/07/03	S	7.2	6.6	6.7	6.7	7.2
Mid Ebb	03/10/03	S	7.2	6.4	6.1	6.5	6.9
Mid Ebb	03/17/03	S	7.2	6.7	6.5	6.6	6.9
Mid Ebb	03/19/03	S	7.3	6.7	6.7	6.6	6.7
Mid Ebb	03/22/03	S	6.2	5.4	5.6	5.4	5.5
Mid Ebb	03/24/03	S	7.1	5.9	6.4	5.9	6.2
Mid Ebb	03/26/03	S	7.1	5.6	5.7	5.6	6.1
Mid Ebb	03/31/03	S	7.1	6.4	6.3	6.4	6.5
Mid Ebb	04/02/03	S	6.8	6.3	6.0	6.2	6.4
Mid Ebb	04/04/03	S	7.0	6.4	6.2	6.5	6.0
Mid Ebb	04/07/03	S	6.1	6.1	6.0	6.2	6.2
Mid Ebb	04/09/03	S	6.4	5.7	6.4	6.2	5.8
Mid Ebb	04/14/03	S	7.3	6.1	5.8	5.8	5.9
Mid Ebb	04/16/03	S	6.8	5.8	5.9	5.9	5.6
Mid Ebb	02/06/03	M	7.7	6.7	6.9	6.6	6.9
Mid Ebb	02/08/03	M	7.1	6.4	6.1	6.5	6.7
Mid Ebb	02/10/03	M	6.6	5.7	5.8	6.2	5.7
Mid Ebb	02/14/03	M	7.1	6.4	6.6	6.7	6.8
Mid Ebb	02/18/03	M	7.2	6.4	6.6	6.8	6.8
Mid Ebb	02/19/03	M	6.3	5.7	5.7	5.5	5.4
Mid Ebb	02/21/03	M	6.7	6.5	6.6	6.5	6.7
Mid Ebb	02/24/03	M	7.1	5.6	5.6	5.4	5.8
Mid Ebb	02/28/03	M	8.1	7.2	6.9	7.1	7.3
Mid Ebb	03/03/03	M	6.1	6.1	6.2	6.2	6.8
Mid Ebb	03/05/03	M	6.8	6.9	6.9	6.6	6.7
Mid Ebb	03/07/03	M	7.2	6.4	6.5	6.5	6.6
Mid Ebb	03/10/03	M	7.1	6.1	6.2	6.2	6.3
Mid Ebb	03/17/03	M	7.3	6.6	6.4	6.5	6.7
Mid Ebb	03/19/03	M	7.1	6.5	6.5	6.2	6.4
Mid Ebb	03/22/03	M	5.7	5.4	5.4	5.3	5.5
Mid Ebb	03/24/03	M	7.4	5.9	6.1	5.8	6.1
Mid Ebb	03/26/03	M	6.6	5.5	5.5	5.4	5.6
Mid Ebb	03/31/03	M	6.8	6.2	6.0	6.2	6.2
Mid Ebb	04/02/03	M	6.4	5.9	5.9	6.0	6.2
Mid Ebb	04/04/03	M	7.2	5.9	5.8	6.1	5.8
Mid Ebb	04/07/03	M	5.9	6.0	5.9	6.0	6.1
Mid Ebb	04/09/03	M	6.1	5.5	6.0	5.9	5.8
Mid Ebb	04/14/03	M	6.5	5.8	5.7	5.7	5.6
Mid Ebb	04/16/03	M	6.4	5.8	5.9	5.9	5.7
Mid Ebb	02/06/03	B	7.7	6.7	7.0	6.6	6.9
Mid Ebb	02/08/03	B	7.6	6.4	6.3	6.2	6.5
Mid Ebb	02/10/03	B	6.6	5.7	5.6	5.7	5.6
Mid Ebb	02/14/03	B	6.5	6.4	6.6	6.5	6.7
Mid Ebb	02/18/03	B	6.6	6.2	6.5	6.7	6.8
Mid Ebb	02/19/03	B	5.4	5.4	5.3	4.7	4.2
Mid Ebb	02/21/03	B	6.5	6.4	6.3	6.4	6.5
Mid Ebb	02/24/03	B	6.7	5.6	5.8	5.3	5.7
Mid Ebb	02/28/03	B	8.2	6.8	6.7	6.8	6.8
Mid Ebb	03/03/03	B	6.4	6.1	6.0	6.0	6.4
Mid Ebb	03/05/03	B	6.5	6.9	6.8	6.5	6.6
Mid Ebb	03/07/03	B	7.4	6.3	6.4	6.3	6.5
Mid Ebb	03/10/03	B	7.3	6.0	6.0	5.9	6.3
Mid Ebb	03/17/03	B	7.0	6.4	6.2	6.4	6.6
Mid Ebb	03/19/03	B	6.8	6.4	6.3	6.2	6.4
Mid Ebb	03/22/03	B	5.3	5.1	5.3	5.2	5.3
Mid Ebb	03/24/03	B	7.4	5.7	6.1	5.7	5.8
Mid Ebb	03/26/03	B	5.7	5.4	5.3	5.3	5.4
Mid Ebb	03/31/03	B	6.5	6.0	5.9	6.1	6.1
Mid Ebb	04/02/03	B	6.6	5.7	5.6	5.8	5.9
Mid Ebb	04/04/03	B	6.8	5.7	5.6	5.9	5.7
Mid Ebb	04/07/03	B	6.2	5.9	6.0	5.9	6.0
Mid Ebb	04/09/03	B	5.7	5.5	5.8	5.8	5.6
Mid Ebb	04/14/03	B	6.3	5.7	5.7	5.7	5.6
Mid Ebb	04/16/03	B	6.5	5.7	6.0	5.8	5.8
Mid Flood	02/06/03	S	7.8	6.4	6.8	6.8	7.2
Mid Flood	02/08/03	S	7.4	6.2	6.5	6.5	6.9
Mid Flood	02/10/03	S	6.7	5.6	5.8	5.8	6.6
Mid Flood	02/14/03	S	7.4	6.8	6.7	6.6	6.8
Mid Flood	02/17/03	S	7.1	6.9	6.8	6.6	6.1
Mid Flood	02/19/03	S	6.5	6.2	5.8	6.0	6.3
Mid Flood	02/21/03	S	7.0	6.9	6.7	6.9	6.9
Mid Flood	02/24/03	S	7.1	5.7	6.0	5.9	5.7
Mid Flood	02/28/03	S	7.4	6.6	6.9	6.8	6.5
Mid Flood	03/03/03	S	6.7	5.9	6.6	6.1	6.7
Mid Flood	03/05/03	S	6.8	6.5	6.5	6.7	6.6
Mid Flood	03/07/03	S	7.1	6.6	6.8	6.4	6.3
Mid Flood	03/10/03	S	7.2	5.9	7.1	6.3	6.7
Mid Flood	03/17/03	S	7.8	6.8	6.6	6.9	6.8
Mid Flood	03/19/03	S	7.1	6.4	6.4	6.3	6.5
Mid Flood	03/22/03	S	6.0	4.9	5.5	5.3	5.3
Mid Flood	03/24/03	S	6.7	5.6	5.9	6.0	6.4
Mid Flood	03/27/03	S	6.4	5.7	6.2	5.7	5.8
Mid Flood	03/31/03	S	7.3	6.7	6.6	6.5	6.6
Mid Flood	04/02/03	S	7.0	5.5	5.5	5.7	6.5
Mid Flood	04/04/03	S	6.9	5.7	6.0	5.8	6.2
Mid Flood	04/07/03	S	6.2	5.8	6.0	5.8	5.7
Mid Flood	04/09/03	S	6.4	5.9	6.2	5.8	6.0
Mid Flood	04/14/03	S	7.4	5.7	5.8	6.3	5.7
Mid Flood	04/16/03	S	7.4	6.0	5.8	5.9	5.7
Mid Flood	02/06/03	M	7.9	6.4	6.8	6.7	6.9
Mid Flood	02/08/03	M	7.8	6.3	6.6	6.3	6.8
Mid Flood	02/10/03	M	6.5	5.4	5.6	5.7	5.5

ANOVA TABLE

Source	SS	df	MS	F	F _c
STATION	48.6	4	12.1	46.1	F _{0.25} 0.25 1.34
ERROR	196.2	745	0.3		F _{0.10} 0.1 1.89
					F _{0.05} 0.05 2.27
					F _{0.01} 0.01 3.14
					F _{0.001} 0.001 4.35

a = 5
n = 150

H₀: μ₁ - μ₂ = 0

Reason to reject H₀? **Yes**

No significant difference between monitoring stations C1, C2, and M7 through M10

Mid Flood	02/14/03	M	7.5	7.1	6.6	6.7	6.6
Mid Flood	02/17/03	M	6.7	6.7	6.6	6.4	6.6
Mid Flood	02/19/03	M	6.2	5.8	5.8	5.7	5.8
Mid Flood	02/21/03	M	7.2	6.8	6.5	6.6	6.4
Mid Flood	02/24/03	M	6.9	5.5	5.8	5.5	5.7
Mid Flood	02/28/03	M	7.8	6.2	6.6	6.6	6.8
Mid Flood	03/03/03	M	6.6	5.7	6.5	6.0	6.0
Mid Flood	03/05/03	M	6.4	6.4	6.4	6.5	6.6
Mid Flood	03/07/03	M	7.0	6.1	6.6	6.2	6.6
Mid Flood	03/10/03	M	7.0	5.6	6.7	5.9	6.3
Mid Flood	03/17/03	M	7.6	6.6	6.6	6.8	6.8
Mid Flood	03/19/03	M	6.8	6.3	6.2	6.2	6.3
Mid Flood	03/22/03	M	5.7	4.9	5.3	5.3	5.2
Mid Flood	03/24/03	M	6.9	5.6	5.8	6.1	6.3
Mid Flood	03/27/03	M	6.5	5.4	6.2	5.5	5.7
Mid Flood	03/31/03	M	7.1	6.2	6.2	6.1	6.4
Mid Flood	04/02/03	M	6.7	5.4	5.6	5.8	6.2
Mid Flood	04/04/03	M	6.7	5.4	5.8	5.5	5.9
Mid Flood	04/07/03	M	6.3	5.5	6.0	5.7	5.5
Mid Flood	04/09/03	M	5.8	5.7	5.7	5.7	5.8
Mid Flood	04/14/03	M	6.7	5.5	5.7	5.8	5.5
Mid Flood	04/16/03	M	7.1	6.1	5.9	6.0	5.9
Mid Flood	02/06/03	B	7.9	6.4	6.8	6.6	6.8
Mid Flood	02/08/03	B	7.9	6.1	6.6	6.4	6.4
Mid Flood	02/10/03	B	6.2	5.3	5.6	5.7	5.4
Mid Flood	02/14/03	B	7.0	7.2	6.6	6.6	6.4
Mid Flood	02/17/03	B	6.4	6.6	6.6	6.4	6.5
Mid Flood	02/19/03	B	5.9	5.7	5.8	5.8	5.5
Mid Flood	02/21/03	B	6.8	6.6	6.5	6.4	6.3
Mid Flood	02/24/03	B	7.3	5.6	5.8	5.3	5.6
Mid Flood	02/28/03	B	7.6	6.3	6.6	6.8	6.6
Mid Flood	03/03/03	B	6.5	5.8	6.5	5.9	6.0
Mid Flood	03/05/03	B	6.2	6.3	6.4	6.6	6.4
Mid Flood	03/07/03	B	7.2	6.2	6.6	6.1	6.5
Mid Flood	03/10/03	B	6.8	5.6	6.7	5.8	6.2
Mid Flood	03/17/03	B	7.0	6.4	6.6	6.7	6.6
Mid Flood	03/19/03	B	6.4	6.2	6.2	6.2	6.1
Mid Flood	03/22/03	B	5.3	4.9	5.3	4.9	4.8
Mid Flood	03/24/03	B	7.4	5.5	5.8	6.1	6.3
Mid Flood	03/27/03	B	6.5	5.4	6.2	5.4	5.4
Mid Flood	03/31/03	B	6.8	6.0	6.2	5.8	6.3
Mid Flood	04/02/03	B	6.4	5.3	5.6	5.7	5.9
Mid Flood	04/04/03	B	6.8	5.3	5.8	5.5	5.7
Mid Flood	04/07/03	B	6.5	5.2	6.0	5.6	5.5
Mid Flood	04/09/03	B	5.7	5.4	5.7	5.7	5.6
Mid Flood	04/14/03	B	6.3	5.4	5.7	5.7	5.3
Mid Flood	04/16/03	B	7.2	6.0	5.9	6.1	5.8
		X _i	6.8	6.1	6.2	6.1	6.2
		(X _i - X _{..}) ²	0.2	0.1	0.0	0.0	0.0
		(X _{it} - X _{i.}) ²	49.8	39.5	30.0	33.6	43.3

STATIONS (SS - DEPTH AVG)

TIDE	S_DATE	DEPTH	C2	M7	M8	M9	M10
Mid Ebb	02/06/03	S	3.0	4.0	4.0	5.5	4.5
Mid Ebb	02/08/03	S	5.0	4.0	5.0	6.0	6.0
Mid Ebb	02/10/03	S	1.0	5.5	4.0	4.5	6.0
Mid Ebb	02/14/03	S	4.0	5.0	5.5	5.0	5.5
Mid Ebb	02/18/03	S	4.0	5.0	6.0	6.0	6.0
Mid Ebb	02/19/03	S	5.5	7.5	6.5	7.0	3.0
Mid Ebb	02/21/03	S	6.0	7.0	8.0	7.0	8.0
Mid Ebb	02/24/03	S	6.0	5.0	6.0	8.0	6.5
Mid Ebb	02/28/03	S	5.0	6.0	4.0	6.0	7.5
Mid Ebb	03/03/03	S	7.0	8.0	7.0	7.0	7.0
Mid Ebb	03/05/03	S	4.5	5.5	6.0	6.0	5.0
Mid Ebb	03/07/03	S	7.5	7.0	6.5	7.0	5.5
Mid Ebb	03/10/03	S	6.0	6.0	8.0	5.5	8.0
Mid Ebb	03/17/03	S	6.0	8.0	7.0	11.0	8.0
Mid Ebb	03/19/03	S	8.0	10.0	10.0	9.0	10.0
Mid Ebb	03/22/03	S	6.0	8.0	8.0	7.0	7.0
Mid Ebb	03/24/03	S	4.0	10.0	6.0	9.0	5.0
Mid Ebb	03/26/03	S	5.0	7.0	6.0	10.0	7.0
Mid Ebb	03/31/03	S	7.0	7.0	7.0	7.0	8.0
Mid Ebb	04/02/03	S	7.0	7.0	7.0	7.0	7.0
Mid Ebb	04/04/03	S	6.0	6.0	6.0	7.0	8.0
Mid Ebb	04/07/03	S	5.0	7.0	6.0	8.0	7.0
Mid Ebb	04/09/03	S	6.0	6.0	5.0	6.0	5.0
Mid Ebb	04/14/03	S	4.0	5.0	7.0	5.0	7.0
Mid Ebb	04/16/03	S	7.0	7.0	7.0	8.0	8.0
Mid Ebb	02/06/03	M	3.0	4.0	4.0	5.5	3.0
Mid Ebb	02/08/03	M	5.0	4.0	4.5	5.0	6.0
Mid Ebb	02/10/03	M	2.0	4.5	4.5	5.0	4.0
Mid Ebb	02/14/03	M	3.5	5.0	5.0	5.5	4.5
Mid Ebb	02/18/03	M	5.0	5.0	5.0	6.0	6.5
Mid Ebb	02/19/03	M	5.0	8.5	8.5	6.0	6.0
Mid Ebb	02/21/03	M	6.0	7.5	7.0	7.0	8.0
Mid Ebb	02/24/03	M	6.5	4.5	5.5	7.0	6.5
Mid Ebb	02/28/03	M	5.0	6.0	5.0	6.0	4.0
Mid Ebb	03/03/03	M	7.0	7.0	7.0	6.0	7.0
Mid Ebb	03/05/03	M	5.0	5.0	5.0	6.0	6.0
Mid Ebb	03/07/03	M	6.5	6.5	6.0	6.5	7.5
Mid Ebb	03/10/03	M	6.0	5.5	8.0	7.0	6.0
Mid Ebb	03/17/03	M	6.0	8.0	8.0	9.0	8.0
Mid Ebb	03/19/03	M	9.0	12.0	10.0	10.0	10.0
Mid Ebb	03/22/03	M	7.0	8.0	7.0	8.0	7.0
Mid Ebb	03/24/03	M	4.0	9.0	5.0	10.0	5.0
Mid Ebb	03/26/03	M	9.0	8.0	6.0	10.0	7.0
Mid Ebb	03/31/03	M	7.0	7.0	6.0	7.0	8.0
Mid Ebb	04/02/03	M	7.0	7.0	7.0	6.0	7.0
Mid Ebb	04/04/03	M	5.0	6.0	8.0	6.0	7.0
Mid Ebb	04/07/03	M	4.0	7.0	6.0	7.0	8.0
Mid Ebb	04/09/03	M	6.0	6.0	5.0	6.0	6.0

ANOVA TABLE

Source	SS	df	MS	F	F _c
STATION	89.4	4	22.3	6.9	F _{0.25} 0.25 1.34
ERROR	2402.9	745	3.2		F _{0.10} 0.1 1.89
					F _{0.05} 0.05 2.27
					F _{0.01} 0.01 3.14
					F _{0.001} 0.001 4.35

a = 5
n = 150

H₀: μ₁ - μ₂ = 0

Reason to reject H₀? **Yes**

No significant difference between monitoring stations C1, C2, and M7 through M10

Mid Ebb	04/14/03	M	4.0	5.0	6.0	5.0	6.0
Mid Ebb	04/16/03	M	7.0	7.0	6.0	7.0	8.0
Mid Ebb	02/06/03	B	3.5	4.0	4.0	6.0	3.0
Mid Ebb	02/08/03	B	5.5	4.0	5.5	5.5	7.0
Mid Ebb	02/10/03	B	2.0	5.0	5.0	5.0	5.0
Mid Ebb	02/14/03	B	4.0	5.0	5.5	5.0	6.0
Mid Ebb	02/18/03	B	5.0	5.0	5.5	6.0	5.5
Mid Ebb	02/19/03	B	6.0	9.5	7.0	6.0	5.5
Mid Ebb	02/21/03	B	6.0	7.5	8.0	7.0	8.0
Mid Ebb	02/24/03	B	6.5	6.0	6.5	7.0	6.0
Mid Ebb	02/28/03	B	5.0	6.0	5.0	5.5	4.0
Mid Ebb	03/03/03	B	7.0	8.0	6.5	7.0	7.0
Mid Ebb	03/05/03	B	6.0	6.0	5.5	5.5	6.5
Mid Ebb	03/07/03	B	7.0	7.0	7.5	6.5	8.0
Mid Ebb	03/10/03	B	6.0	6.0	10.5	7.0	6.0
Mid Ebb	03/17/03	B	8.0	8.0	8.0	9.0	8.0
Mid Ebb	03/19/03	B	8.0	11.0	10.0	10.0	9.0
Mid Ebb	03/22/03	B	8.0	7.0	7.0	8.0	8.0
Mid Ebb	03/24/03	B	5.0	10.0	7.0	11.0	6.0
Mid Ebb	03/26/03	B	6.0	8.0	6.0	12.0	8.0
Mid Ebb	03/31/03	B	10.0	7.0	8.0	7.0	8.0
Mid Ebb	04/02/03	B	7.0	6.0	7.0	7.0	7.0
Mid Ebb	04/04/03	B	8.0	6.0	7.0	7.0	7.0
Mid Ebb	04/07/03	B	4.0	7.0	8.0	7.0	7.0
Mid Ebb	04/09/03	B	5.0	5.0	5.0	6.0	5.0
Mid Ebb	04/14/03	B	5.0	5.0	6.0	5.0	6.0
Mid Ebb	04/16/03	B	8.0	7.0	7.0	7.0	8.0
Mid Flood	02/06/03	S	4.0	5.0	5.5	5.5	6.5
Mid Flood	02/08/03	S	3.0	5.5	4.5	5.5	4.5
Mid Flood	02/10/03	S	2.0	4.0	4.0	4.0	5.0
Mid Flood	02/14/03	S	3.5	4.0	5.0	4.0	4.5
Mid Flood	02/17/03	S	4.5	5.0	5.0	6.0	5.0
Mid Flood	02/19/03	S	5.0	8.5	10.5	8.0	9.0
Mid Flood	02/21/03	S	6.0	7.0	7.0	7.0	4.0
Mid Flood	02/24/03	S	4.0	6.0	4.0	6.0	4.5
Mid Flood	02/28/03	S	5.0	6.0	5.0	6.0	4.0
Mid Flood	03/03/03	S	10.0	8.0	10.0	9.0	6.0
Mid Flood	03/05/03	S	7.0	5.0	6.5	5.0	8.0
Mid Flood	03/07/03	S	10.0	10.0	9.0	8.0	12.5
Mid Flood	03/10/03	S	7.5	6.5	6.0	6.5	8.0
Mid Flood	03/17/03	S	10.0	7.0	7.0	7.0	8.0
Mid Flood	03/19/03	S	7.0	8.0	8.0	8.0	7.0
Mid Flood	03/22/03	S	8.0	10.0	13.0	11.0	11.0
Mid Flood	03/24/03	S	4.0	7.0	5.0	6.0	7.0
Mid Flood	03/27/03	S	4.0	4.0	5.0	5.0	5.0
Mid Flood	03/31/03	S	9.0	8.0	6.0	7.0	5.0
Mid Flood	04/02/03	S	5.0	5.0	6.0	6.0	6.0
Mid Flood	04/04/03	S	6.0	5.0	5.0	5.0	7.0
Mid Flood	04/07/03	S	7.0	7.0	5.0	5.0	6.0
Mid Flood	04/09/03	S	5.0	4.0	5.0	5.0	7.0
Mid Flood	04/14/03	S	4.0	9.0	4.0	4.0	8.0
Mid Flood	04/16/03	S	8.0	9.0	8.0	8.0	7.0
Mid Flood	02/06/03	M	3.0	4.5	5.5	5.5	5.0
Mid Flood	02/08/03	M	3.0	5.5	5.5	5.0	4.5
Mid Flood	02/10/03	M	3.0	4.0	4.0	4.0	3.5
Mid Flood	02/14/03	M	4.0	4.5	4.0	4.0	5.0
Mid Flood	02/17/03	M	4.0	6.0	6.0	6.0	7.0
Mid Flood	02/19/03	M	5.0	8.0	11.0	7.0	8.5
Mid Flood	02/21/03	M	6.5	8.0	7.0	7.5	7.0
Mid Flood	02/24/03	M	3.5	5.5	3.5	7.0	5.5
Mid Flood	02/28/03	M	5.0	6.5	5.0	7.0	4.5
Mid Flood	03/03/03	M	9.0	8.0	9.5	8.0	11.0
Mid Flood	03/05/03	M	7.0	6.0	6.0	5.0	5.0
Mid Flood	03/07/03	M	9.0	8.5	8.0	8.5	9.0
Mid Flood	03/10/03	M	6.0	7.0	6.0	6.5	6.5
Mid Flood	03/17/03	M	7.0	7.0	10.0	8.0	8.0
Mid Flood	03/19/03	M	7.0	8.0	7.0	8.0	9.0
Mid Flood	03/22/03	M	8.0	11.0	13.0	11.0	11.0
Mid Flood	03/24/03	M	4.0	8.0	6.0	8.0	9.0
Mid Flood	03/27/03	M	4.0	5.0	5.0	5.0	5.0
Mid Flood	03/31/03	M	8.0	7.0	5.0	8.0	6.0
Mid Flood	04/02/03	M	5.0	6.0	6.0	6.0	6.0
Mid Flood	04/04/03	M	9.0	5.0	6.0	4.0	9.0
Mid Flood	04/07/03	M	6.0	6.0	5.0	6.0	6.0
Mid Flood	04/09/03	M	5.0	5.0	6.0	5.0	7.0
Mid Flood	04/14/03	M	4.0	8.0	4.0	4.0	9.0
Mid Flood	04/16/03	M	8.0	9.0	8.0	8.0	6.0
Mid Flood	02/06/03	B	4.0	5.0	5.5	4.0	5.0
Mid Flood	02/08/03	B	3.0	5.5	5.5	5.0	6.0
Mid Flood	02/10/03	B	3.0	4.5	4.0	4.0	4.0
Mid Flood	02/14/03	B	4.0	4.0	4.0	4.0	5.0
Mid Flood	02/17/03	B	5.0	5.0	6.0	5.0	7.0
Mid Flood	02/19/03	B	6.0	8.5	11.0	7.0	8.0
Mid Flood	02/21/03	B	6.5	7.5	7.0	8.0	7.0
Mid Flood	02/24/03	B	4.5	6.0	3.5	6.5	6.0
Mid Flood	02/28/03	B	6.0	7.0	5.0	6.0	4.0
Mid Flood	03/03/03	B	8.5	9.0	9.5	9.0	11.0
Mid Flood	03/05/03	B	7.0	6.0	6.0	5.5	5.0
Mid Flood	03/07/03	B	9.0	8.0	8.0	8.0	8.5
Mid Flood	03/10/03	B	5.5	6.5	6.0	6.0	6.0
Mid Flood	03/17/03	B	6.0	7.0	10.0	9.0	7.0
Mid Flood	03/19/03	B	8.0	8.0	7.0	9.0	9.0
Mid Flood	03/22/03	B	8.0	10.0	13.0	10.0	11.0
Mid Flood	03/24/03	B	4.0	9.0	6.0	8.0	10.0
Mid Flood	03/27/03	B	4.0	5.0	5.0	5.0	6.0
Mid Flood	03/31/03	B	9.0	7.0	5.0	7.0	6.0
Mid Flood	04/02/03	B	5.0	5.0	6.0	5.0	6.0
Mid Flood	04/04/03	B	5.0	5.0	6.0	5.0	8.0
Mid Flood	04/07/03	B	6.0	6.0	5.0	5.0	5.0
Mid Flood	04/09/03	B	5.0	5.0	6.0	4.0	5.0
Mid Flood	04/14/03	B	3.0	9.0	4.0	5.0	8.0
Mid Flood	04/16/03	B	8.0	9.0	8.0	9.0	7.0
	X_i		5.7	6.6	6.4	6.7	6.7
	$(X_i - X_{..})^2$		0.45	0.03	0.00	0.05	0.06
	$(X_{..} - X_i)^2$		518.9	441.6	540.0	435.4	467.0

STATIONS (TURB - DEPTH AVG)							
TIDE	S_DATE	DEPTH	C2	M7	M8	M9	M10
Mid Ebb	02/06/03	S	1.4	1.8	1.5	3.1	3.3
Mid Ebb	02/08/03	S	2.6	2.9	3.2	4.2	3.8
Mid Ebb	02/10/03	S	1.0	3.2	3.2	3.4	3.9
Mid Ebb	02/14/03	S	2.1	3.4	3.2	3.4	4.2
Mid Ebb	02/18/03	S	3.0	4.4	3.8	4.2	4.4
Mid Ebb	02/19/03	S	3.5	7.4	5.7	4.6	2.2
Mid Ebb	02/21/03	S	3.1	5.2	4.1	5.1	5.2
Mid Ebb	02/24/03	S	4.4	5.4	5.2	5.4	4.8
Mid Ebb	02/28/03	S	2.7	4.2	3.1	3.6	5.0
Mid Ebb	03/03/03	S	3.9	4.7	5.0	5.5	4.3
Mid Ebb	03/05/03	S	3.3	4.0	3.6	3.9	3.2
Mid Ebb	03/07/03	S	3.9	4.3	4.4	4.1	2.9
Mid Ebb	03/10/03	S	4.3	4.5	4.4	4.1	4.5
Mid Ebb	03/17/03	S	5.9	7.1	7.5	6.3	5.6
Mid Ebb	03/19/03	S	5.2	6.7	6.4	7.1	5.3
Mid Ebb	03/22/03	S	4.2	6.7	6.0	6.8	5.5
Mid Ebb	03/24/03	S	2.4	6.1	3.9	7.5	3.8
Mid Ebb	03/26/03	S	2.9	5.7	4.1	6.8	6.0
Mid Ebb	03/31/03	S	3.8	4.3	4.8	4.7	5.0
Mid Ebb	04/02/03	S	4.2	5.6	6.7	5.7	4.9
Mid Ebb	04/04/03	S	3.6	4.8	5.3	5.5	4.7
Mid Ebb	04/07/03	S	3.8	5.8	4.8	6.5	5.7
Mid Ebb	04/09/03	S	3.1	4.4	4.0	4.8	5.1
Mid Ebb	04/14/03	S	2.0	3.7	5.1	3.5	4.5
Mid Ebb	04/16/03	S	4.2	4.5	5.2	3.9	4.2
Mid Ebb	02/06/03	M	1.6	1.8	1.8	3.2	2.4
Mid Ebb	02/08/03	M	3.1	3.1	3.6	3.9	4.3
Mid Ebb	02/10/03	M	1.1	3.4	3.5	3.6	3.2
Mid Ebb	02/14/03	M	2.0	3.7	3.4	3.8	3.2
Mid Ebb	02/18/03	M	3.1	4.6	3.8	4.4	4.2
Mid Ebb	02/19/03	M	3.3	6.8	5.5	4.7	4.7
Mid Ebb	02/21/03	M	3.4	4.9	4.3	5.3	4.3
Mid Ebb	02/24/03	M	4.1	4.9	5.5	4.9	4.6
Mid Ebb	02/28/03	M	2.4	3.6	2.6	4.0	3.6
Mid Ebb	03/03/03	M	4.4	5.1	5.2	5.7	5.4
Mid Ebb	03/05/03	M	3.5	4.3	3.7	4.3	4.4
Mid Ebb	03/07/03	M	4.2	4.5	4.4	4.2	4.9
Mid Ebb	03/10/03	M	4.6	4.1	4.7	3.9	4.0
Mid Ebb	03/17/03	M	6.2	7.6	7.7	6.9	5.4
Mid Ebb	03/19/03	M	5.5	6.4	6.4	7.4	5.7
Mid Ebb	03/22/03	M	4.3	6.6	5.9	6.8	5.6
Mid Ebb	03/24/03	M	2.2	6.2	4.1	7.5	4.1
Mid Ebb	03/26/03	M	2.8	5.8	4.1	7.0	6.4
Mid Ebb	03/31/03	M	3.4	3.9	4.5	4.3	5.5
Mid Ebb	04/02/03	M	3.8	6.3	5.5	4.9	5.3
Mid Ebb	04/04/03	M	3.8	4.3	4.7	4.7	5.3
Mid Ebb	04/07/03	M	3.7	6.3	5.1	7.1	5.6
Mid Ebb	04/09/03	M	3.1	4.7	4.3	5.2	4.9
Mid Ebb	04/14/03	M	2.2	3.6	5.3	3.6	4.8
Mid Ebb	04/16/03	M	3.8	5.3	4.7	4.4	4.6
Mid Ebb	02/06/03	B	1.4	2.1	1.6	2.9	2.5
Mid Ebb	02/08/03	B	2.8	3.3	3.9	3.7	4.1
Mid Ebb	02/10/03	B	1.4	3.6	3.6	3.5	3.5
Mid Ebb	02/14/03	B	1.9	3.9	3.6	3.4	3.1
Mid Ebb	02/18/03	B	3.5	4.3	4.1	4.5	4.6
Mid Ebb	02/19/03	B	3.7	5.8	5.5	5.1	5.3
Mid Ebb	02/21/03	B	3.1	4.8	5.2	5.8	4.5
Mid Ebb	02/24/03	B	4.7	5.1	5.2	5.1	5.1
Mid Ebb	02/28/03	B	2.8	3.9	2.9	4.3	3.9
Mid Ebb	03/03/03	B	4.7	5.6	5.3	6.0	5.8
Mid Ebb	03/05/03	B	3.8	4.4	4.2	4.6	4.7
Mid Ebb	03/07/03	B	4.4	4.7	4.6	4.6	5.4
Mid Ebb	03/10/03	B	4.2	3.9	4.2	4.1	4.4
Mid Ebb	03/17/03	B	5.9	7.2	7.2	7.1	5.9
Mid Ebb	03/19/03	B	5.3	6.5	6.7	7.5	5.7
Mid Ebb	03/22/03	B	4.3	6.6	6.3	7.0	5.8
Mid Ebb	03/24/03	B	2.8	6.1	4.4	7.5	4.2
Mid Ebb	03/26/03	B	2.9	6.1	4.5	7.1	6.4
Mid Ebb	03/31/03	B	3.5	4.1	4.4	4.7	5.6
Mid Ebb	04/02/03	B	4.4	6.5	6.0	6.3	5.5
Mid Ebb	04/04/03	B	3.9	5.3	5.2	5.3	5.6
Mid Ebb	04/07/03	B	3.8	6.5	5.4	7.3	6.3
Mid Ebb	04/09/03	B	3.4	4.8	4.4	5.3	5.3
Mid Ebb	04/14/03	B	2.0	3.6	5.3	3.8	5.1
Mid Ebb	04/16/03	B	4.3	5.3	5.6	4.8	5.1
Mid Flood	02/06/03	S	1.7	2.5	2.5	2.5	4.1
Mid Flood	02/08/03	S	2.1	3.2	3.9	4.2	2.7
Mid Flood	02/10/03	S	1.2	2.4	2.7	3.1	3.1
Mid Flood	02/14/03	S	1.9	2.4	2.7	2.7	3.7
Mid Flood	02/17/03	S	3.4	4.2	4.2	4.6	3.2
Mid Flood	02/19/03	S	3.2	4.8	7.4	5.9	5.7
Mid Flood	02/21/03	S	3.7	4.4	5.2	4.8	2.0
Mid Flood	02/24/03	S	3.3	3.7	3.6	3.9	2.1
Mid Flood	02/28/03	S	2.7	3.1	2.5	3.3	2.2
Mid Flood	03/03/03	S	6.1	5.3	5.9	5.5	5.4
Mid Flood	03/05/03	S	3.9	3.5	4.0	3.3	5.1
Mid Flood	03/07/03	S	4.3	5.9	5.4	5.1	6.2
Mid Flood	03/10/03	S	4.4	4.8	5.3	4.7	4.4
Mid Flood	03/17/03	S	5.6	5.3	6.1	4.9	5.1
Mid Flood	03/19/03	S	4.2	5.4	4.6	5.3	5.3
Mid Flood	03/22/03	S	4.9	6.2	8.6	7.0	6.8
Mid Flood	03/24/03	S	2.4	4.3	2.5	3.7	4.1
Mid Flood	03/27/03	S	1.9	2.9	3.8	3.7	3.7
Mid Flood	03/31/03	S	3.2	6.8	5.4	7.0	5.8
Mid Flood	04/02/03	S	3.4	5.2	4.7	4.2	6.0
Mid Flood	04/04/03	S	3.4	3.8	4.2	4.1	5.8
Mid Flood	04/07/03	S	3.3	4.9	3.6	4.3	4.0
Mid Flood	04/09/03	S	3.2	4.3	4.2	3.7	4.5
Mid Flood	04/14/03	S	2.4	6.8	2.8	4.1	5.3
Mid Flood	04/16/03	S	4.7	7.7	7.3	6.8	7.4
Mid Flood	02/06/03	M	0.9	2.5	2.6	3.0	1.9

ANOVA TABLE

Source	SS	df	MS	F	F _c
STATION	49.4	4	12.3	6.9	F _{0.25} 0.25 1.34
ERROR	1331.2	745	1.8		F _{0.10} 0.1 1.89
					F _{0.05} 0.05 2.27
					F _{0.01} 0.01 3.14
					F _{0.001} 0.001 4.35

a = 5
n = 150

H₀: μ₁ - μ₂ = 0

Reason to reject H₀? **Yes**

No significant difference between monitoring stations C1, C2, and M7 through M10

Mid Flood	02/08/03	M	1.9	3.6	3.4	3.7	2.8
Mid Flood	02/10/03	M	1.2	2.6	2.6	3.1	2.4
Mid Flood	02/14/03	M	2.0	2.7	2.7	2.8	2.4
Mid Flood	02/17/03	M	3.5	4.4	4.5	5.2	4.3
Mid Flood	02/19/03	M	3.5	7.2	7.6	6.2	5.8
Mid Flood	02/21/03	M	3.6	5.4	4.8	5.2	5.3
Mid Flood	02/24/03	M	3.0	3.9	3.4	4.2	2.9
Mid Flood	02/28/03	M	2.3	3.4	2.8	3.7	3.1
Mid Flood	03/03/03	M	6.3	6.1	6.3	5.9	6.6
Mid Flood	03/05/03	M	4.2	3.8	4.4	3.6	4.2
Mid Flood	03/07/03	M	4.9	6.0	5.7	5.5	5.2
Mid Flood	03/10/03	M	4.0	5.3	5.8	5.2	4.8
Mid Flood	03/17/03	M	6.2	5.8	6.6	5.2	5.3
Mid Flood	03/19/03	M	4.4	5.6	4.8	5.4	5.4
Mid Flood	03/22/03	M	5.3	5.9	6.7	7.3	6.9
Mid Flood	03/24/03	M	2.4	4.6	3.2	5.7	5.1
Mid Flood	03/27/03	M	1.9	2.8	3.9	3.7	3.8
Mid Flood	03/31/03	M	3.5	7.3	5.6	6.7	5.4
Mid Flood	04/02/03	M	3.6	4.5	4.2	4.7	5.4
Mid Flood	04/04/03	M	4.0	3.4	4.5	4.8	6.2
Mid Flood	04/07/03	M	3.7	5.2	4.2	4.6	4.3
Mid Flood	04/09/03	M	3.2	4.4	4.4	3.7	4.9
Mid Flood	04/14/03	M	2.3	7.1	3.1	4.3	4.8
Mid Flood	04/16/03	M	5.1	7.3	7.9	7.3	6.9
Mid Flood	02/06/03	B	1.4	2.3	2.6	2.4	2.1
Mid Flood	02/08/03	B	1.8	4.0	3.4	3.6	2.9
Mid Flood	02/10/03	B	1.6	2.6	2.6	3.0	2.7
Mid Flood	02/14/03	B	2.1	3.2	2.7	2.9	2.5
Mid Flood	02/17/03	B	3.8	4.7	4.5	5.3	4.6
Mid Flood	02/19/03	B	4.1	7.0	7.6	6.4	6.1
Mid Flood	02/21/03	B	3.8	5.2	4.8	5.3	4.8
Mid Flood	02/24/03	B	3.2	4.1	3.4	4.4	3.2
Mid Flood	02/28/03	B	2.5	3.7	2.8	4.1	2.8
Mid Flood	03/03/03	B	6.5	6.3	6.3	6.2	6.6
Mid Flood	03/05/03	B	4.0	4.1	4.4	3.9	4.3
Mid Flood	03/07/03	B	5.1	5.8	5.7	5.8	5.7
Mid Flood	03/10/03	B	4.5	5.6	5.8	5.7	5.7
Mid Flood	03/17/03	B	6.3	6.2	6.6	5.7	5.7
Mid Flood	03/19/03	B	4.3	5.8	4.8	5.6	5.6
Mid Flood	03/22/03	B	5.1	6.4	6.7	7.5	7.3
Mid Flood	03/24/03	B	2.3	5.3	3.2	5.2	5.9
Mid Flood	03/27/03	B	2.1	3.1	3.9	3.9	3.8
Mid Flood	03/31/03	B	3.5	7.7	5.6	7.3	6.2
Mid Flood	04/02/03	B	3.9	4.9	4.2	5.3	5.6
Mid Flood	04/04/03	B	3.9	4.3	4.5	4.4	6.5
Mid Flood	04/07/03	B	3.7	5.5	4.2	4.9	4.7
Mid Flood	04/09/03	B	3.2	4.6	4.4	3.9	5.1
Mid Flood	04/14/03	B	2.1	7.4	3.1	4.4	5.6
Mid Flood	04/16/03	B	5.0	8.1	7.9	8.2	7.8
		X_i	3.5	4.9	4.6	4.9	4.7
		$(X_i - X_{..})^2$		0.12	0.01	0.16	0.03
		$(X_{ii} - X_i)^2$	224.3	296.6	317.6	264.1	228.6