

Coastal Systems Group
SMAST
 Umass Dartmouth
 706 Rodney French Blvd
 New Bedford, Ma 02747

Key
 NA=Not Applicable
 NES = Not Enough Sample
 NS = No Sample
 NC = No Chain Of Custody
 ND = No Data Available
BDL = Below Detection Limit

#	SAMPLE ID	DEPTH	QC	Sample Date	Embayment	Volunteers
1	WMO15	M		7/13/2017	CAPE COD BAY	FIGUERAS
2	WMO19	M		7/13/2017	CAPE COD BAY	SCOTT
3	WMO22	M		7/13/2017	CAPE COD BAY	SCOTT
4	WMO25	S		7/13/2017	NAUSET ESTUAR	IMLER, COURIHAN
5	WMO25	B		7/13/2017	NAUSET ESTUAR	IMLER, COURIHAN
6	WMO26	M		7/13/2017	NAUSET ESTUAR	FURTNEY, HORWOTI
7	WMO27	M		7/13/2017	NAUSET ESTUAR	FURTNEY, HORWOTI
8	WMO28	M		7/13/2017	NAUSET ESTUAR	JEAN, SAUTY, FT.S
9	WMO29	M		7/13/2017	NAUSET ESTUAR	JEAN, SAUTY, FT.S
10	WMO30	M		7/13/2017	NAUSET ESTUAR	WIEGENS, PIERSON
11	WMO31	M		7/13/2017	NAUSET ESTUAR	JUDY RYAN
12	WMO32	S		7/13/2017	NAUSET ESTUAR	WIEGENS, PIERSON
13	WMO32	B		7/13/2017	NAUSET ESTUAR	WIEGENS, PIERSON
14	WMO33	M		7/13/2017	NAUSET ESTUAR	MERRITT
15	WMO34	S		7/13/2017	NAUSET ESTUAR	TRAINER, MURRAY
16	WMO34	B		7/13/2017	NAUSET ESTUAR	TRAINER, MURRAY
17	WMO35	M		7/13/2017	NAUSET ESTUAR	FROMM
18	WMO36	M		7/13/2017	NAUSET ESTUAR	STEVENS
19	WMO37	M		7/13/2017	NAUSET ESTUAR	ECKMAN, STEVENS
20	WMO38	S		7/13/2017	NAUSET ESTUAR	RIS, TETMYN, OCON
21	WMO38	B		7/13/2017	NAUSET ESTUAR	RIS, TETMYN, OCON
22	WMO39	M		7/13/2017	NAUSET ESTUAR	EPPARD, MACDOUG
23	WMO15	M		7/27/2017	CAPE COD BAY	JOANN FIGUERAS
24	WMO19	M		7/27/2017	CAPE COD BAY	PHILLIPS, SCOTT
25	WMO22	M		7/27/2017	CAPE COD BAY	PHILLIPS, SCOTT
26	WMO25	S		7/27/2017	NAUSET ESTUAR	GOSSELINK
27	WMO25	B		7/27/2017	NAUSET ESTUAR	GOSSELINK
28	WMO26	M		7/27/2017	NAUSET ESTUAR	FURTNEY
29	WMO27	M		7/27/2017	NAUSET ESTUAR	FURTNEY
30	WMO28	M		7/27/2017	NAUSET ESTUAR	BUFFINGTON

31	WMO29	M	7/27/2017	NAUSET ESTUAR'	BUFFINGTON
32	WMO30	M	7/27/2017	NAUSET ESTUAR'	PIERSON
33	WMO31	M	7/27/2017	NAUSET ESTUAR'	JUDY RYAN
34	WMO32	S	7/27/2017	NAUSET ESTUAR'	PIERSON
35	WMO32	B	7/27/2017	NAUSET ESTUAR'	PIERSON
36	WMO33	M	7/27/2017	NAUSET ESTUAR'	MERRITT
37	WMO34	S	7/27/2017	NAUSET ESTUAR'	TRAINER
38	WMO34	B	7/27/2017	NAUSET ESTUAR'	TRAINER
39	WMO35	M	7/27/2017	NAUSET ESTUAR'	FROMM
40	WMO36	M	7/27/2017	NAUSET ESTUAR'	ECKMAN, STEVENS
41	WMO37	M	7/27/2017	NAUSET ESTUAR'	ECKMAN, STEVENS
42	WMO38	S	7/27/2017	NAUSET ESTUAR'	HARRIS, OCONNER
43	WMO38	B	7/27/2017	NAUSET ESTUAR'	HARRIS, OCONNER
44	WMO39	M	7/27/2017	NAUSET ESTUAR'	ORNELL, SHEPHERI
45	WMO15	M	8/10/2017	CAPE COD BAY	JOANN FIGUERAS
46	WMO19	M	8/10/2017	CAPE COD BAY	PHILLIPS, SCOTT
47	WMO22	M	8/10/2017	CAPE COD BAY	PHILLIPS, SCOTT
48	WMO25	S	8/10/2017	NAUSET ESTUAR'	GOSSELINK
49	WMO25	B	8/10/2017	NAUSET ESTUAR'	GOSSELINK
50	WMO26	M	8/10/2017	NAUSET ESTUAR'	FURTNEY
51	WMO27	M	8/10/2017	NAUSET ESTUAR'	FURTNEY
52	WMO28	M	8/10/2017	NAUSET ESTUAR'	F. LEWIS
53	WMO29	M	8/10/2017	NAUSET ESTUAR'	F. LEWIS
54	WMO30	M	8/10/2017	NAUSET ESTUAR'	PIERSON
55	WMO31	M	8/10/2017	NAUSET ESTUAR'	JUDY RYAN
56	WMO32	S	8/10/2017	NAUSET ESTUAR'	PIERSON
57	WMO32	B	8/10/2017	NAUSET ESTUAR'	PIERSON
58	WMO33	M	8/10/2017	NAUSET ESTUAR'	MERRITT
59	WMO34	S	8/10/2017	NAUSET ESTUAR'	TRAINER
60	WMO34	B	8/10/2017	NAUSET ESTUAR'	TRAINER
61	WMO35	M	8/10/2017	NAUSET ESTUAR'	FROMM
62	WMO36	M	8/10/2017	NAUSET ESTUAR'	ECKMAN, STEVENS
63	WMO37	M	8/10/2017	NAUSET ESTUAR'	ECKMAN, STEVENS
64	WMO38	S	8/10/2017	NAUSET ESTUAR'	HARRIS, OCONNER
65	WMO38	B	8/10/2017	NAUSET ESTUAR'	HARRIS, OCONNER
66	WMO39	M	8/10/2017	NAUSET ESTUAR'	ORNELL, SHEPHERI
67	WMO15	M	8/24/2017	CAPE COD BAY	JOANN FIGUERAS
68	WMO19	M	8/24/2017	CAPE COD BAY	PHILLIPS, SCOTT
69	WMO22	M	8/24/2017	CAPE COD BAY	PHILLIPS, SCOTT
70	WMO25	S	8/24/2017	NAUSET ESTUAR'	GOSSELINK
71	WMO25	B	8/24/2017	NAUSET ESTUAR'	GOSSELINK
72	WMO26	M	8/24/2017	NAUSET ESTUAR'	FURTNEY
73	WMO27	M	8/24/2017	NAUSET ESTUAR'	FURTNEY
74	WMO28	M	8/24/2017	NAUSET ESTUAR'	F. LEWIS
75	WMO29	M	8/24/2017	NAUSET ESTUAR'	F. LEWIS
76	WMO30	M	8/24/2017	NAUSET ESTUAR'	PIERSON
77	WMO31	M	8/24/2017	NAUSET ESTUAR'	JUDY RYAN

78	WMO32	S	8/24/2017	NAUSET ESTUAR'	PIERSON
79	WMO32	B	8/24/2017	NAUSET ESTUAR'	PIERSON
80	WMO33	M	8/24/2017	NAUSET ESTUAR'	MERRITT
81	WMO34	S	8/24/2017	NAUSET ESTUAR'	TRAINER
82	WMO34	B	8/24/2017	NAUSET ESTUAR'	TRAINER
83	WMO35	M	8/24/2017	NAUSET ESTUAR'	FROMM
84	WMO36	M	8/24/2017	NAUSET ESTUAR'	ECKMAN, STEVENS
85	WMO37	M	8/24/2017	NAUSET ESTUAR'	ECKMAN, STEVENS
86	WMO38	S	8/24/2017	NAUSET ESTUAR'	HARRIS, OCONNER
87	WMO38	B	8/24/2017	NAUSET ESTUAR'	HARRIS, OCONNER
88	WMO39	M	8/24/2017	NAUSET ESTUAR'	CORNELL, SHEPHERI
89	WMO15	M	9/11/2017	CAPE COD BAY	JOANN FIGUERAS
90	WMO19	M	9/11/2017	CAPE COD BAY	PHILLIPS, SCOTT
91	WMO22	M	9/11/2017	CAPE COD BAY	PHILLIPS, SCOTT
92	WMO25	S	9/11/2017	NAUSET ESTUAR'	GOSSELINK
93	WMO25	B	9/11/2017	NAUSET ESTUAR'	GOSSELINK
94	WMO26	M	9/11/2017	NAUSET ESTUAR'	FURTNEY
95	WMO27	M	9/11/2017	NAUSET ESTUAR'	FURTNEY
96	WMO28	M	9/11/2017	NAUSET ESTUAR'	LEWIS
97	WMO29	M	9/11/2017	NAUSET ESTUAR'	LEWIS
98	WMO30	M	9/11/2017	NAUSET ESTUAR'	GOSSELINK
99	WMO31	M	9/11/2017	NAUSET ESTUAR'	JUDY RYAN
100	WMO32	S	9/11/2017	NAUSET ESTUAR'	GOSSELINK
101	WMO33	M	9/11/2017	NAUSET ESTUAR'	MERRITT
102	WMO34	S	9/11/2017	NAUSET ESTUAR'	TRAINER
103	WMO34	B	9/11/2017	NAUSET ESTUAR'	TRAINER
104	WMO35	M	9/11/2017	NAUSET ESTUAR'	TRAINER
105	WMO36	M	9/11/2017	NAUSET ESTUAR'	ECKMAN, STEVENS
106	WMO37	M	9/11/2017	NAUSET ESTUAR'	ECKMAN, STEVENS
107	WMO38	S	9/11/2017	NAUSET ESTUAR'	HARRIS, OCONNER
108	WMO38	B	9/11/2017	NAUSET ESTUAR'	HARRIS, OCONNER
109	WMO39	M	9/11/2017	NAUSET ESTUAR'	CORNELL, SHEPHERI

Weather Conditions:

1	Clear
2	Partly Cloudy
3	Overcast
4	Fog/Haze
5	Drizzle
6	Intermit. Rain

24 hour Precipitation

1	None
2	Light
3	Heavy

<u>Weather conditions</u>	<u>Beaufort (0-12)</u>	<u>Wind Direction</u>	<u>Water Conditions</u>	<u>Tide</u>	<u>Nearest Low Tide</u>
OVERCAST	3	W	CLOUDY	EBB	8:34:00 AM
FOG/HAZE	1	NE	CLEAR	EBB	9:15:00 AM
FOG/HAZE	1	NE	CLEAR	EBB	9:15:00 AM
FOG/HAZE	1	W	CLOUDY	EBB	9:34:00 AM
FOG/HAZE	1	W	CLOUDY	EBB	9:34:00 AM
FOG/HAZE	1	NW	CLEAR	EBB	9:34:00 AM
FOG/HAZE	1	NW	CLEAR	EBB	9:34:00 AM
FOG/HAZE	1	SW	CLOUDY	EBB	9:34:00 AM
FOG/HAZE	1	SW	CLOUDY	EBB	9:34:00 AM
FOG/HAZE	1	SE	CLEAR	EBB	9:49:00 AM
FOG/HAZE	0	NW	ND	EBB	9:49:00 AM
FOG/HAZE	1	SE	CLEAR	EBB	9:49:00 AM
FOG/HAZE	1	SE	CLEAR	EBB	9:49:00 AM
FOG/HAZE	1	CALM	CLEAR	EBB	9:34:00 AM
FOG/HAZE	2	SW	CLEAR	EBB	9:30:00 AM
FOG/HAZE	2	SW	CLEAR	EBB	9:30:00 AM
FOG/HAZE	0	CALM	CLEAR	EBB	10:00:00 AM
FOG/HAZE	1	NW	CLEAR	EBB	9:48:00 AM
FOG/HAZE	1	NW	CLEAR	EBB	9:48:00 AM
FOG/HAZE	1	NW	ND	EBB	9:48:00 AM
FOG/HAZE	1	NW	ND	EBB	9:48:00 AM
FOG/HAZE	1	N	CLEAR	EBB	7:48:00 AM
PARTLY CLOUDY	2	ND	CLOUDY/CLEAR	EBB	8:38:00 AM
PARTLY CLOUDY	1	SW	CLEAR	EBB	9:10:00 AM
PARTLY CLOUDY	1	SW	CLEAR	EBB	9:10:00 AM
PARTLY CLOUDY	1	SE	CLOUDY	EBB	10:10:00 AM
PARTLY CLOUDY	1	SE	CLOUDY	EBB	9:08:00 AM
OVERCAST	2	E	CLEAR	EBB	9:08:00 AM
OVERCAST	2	E	CLEAR	EBB	9:08:00 AM
PARTLY CLOUDY	1	SW	CLOUDY	EBB	9:08:00 AM

PARTLY CLOUDY	1	SW	CLOUDY	EBB	9:08:00 AM
PARTLY CLOUDY	0	CALM	CLEAR	EBB	9:53:00 AM
PARTLY CLOUDY	1	SW	CLOUDY	EBB	9:48:00 AM
PARTLY CLOUDY	1	S	CLEAR	EBB	9:53:00 AM
PARTLY CLOUDY	1	S	CLEAR	EBB	9:53:00 AM
OVERCAST	1	W	CLEAR	EBB	9:08:00 AM
OVERCAST	0	SE	CLEAR	EBB	9:38:00 AM
OVERCAST	0	SE	CLEAR	EBB	9:38:00 AM
PARTLY CLOUDY	0	CALM	CLEAR	EBB	9:38:00 AM
OVERCAST	0	CALM	CLEAR	EBB	9:48:00 AM
OVERCAST	0	CALM	CLEAR	EBB	9:48:00 AM
PARTLY CLOUDY	0	CALM	ALGAE/PLANTS	EBB	8:48:00 AM
PARTLY CLOUDY	0	CALM	ALGAE/PLANTS	EBB	8:48:00 AM
OVERCAST	0	CALM	CLEAR	EBB	9:48:00 AM
CLEAR	2	W	CLEAR	EBB	7:28:00 AM
CLEAR	1	N	CLEAR	EBB	8:00:00 AM
CLEAR	1	N	CLEAR	EBB	8:00:00 AM
CLEAR	0	SW	CLOUDY	EBB	8:43:00 AM
CLEAR	0	SW	CLOUDY	EBB	8:43:00 AM
PARTLY CLOUDY	1	S	CLOUDY	EBB	10:15:00 AM
PARTLY CLOUDY	1	S	CLOUDY	EBB	10:45:00 AM
CLEAR	0	CALM	CLOUDY	EBB	8:14:00 AM
CLEAR	0	CALM	CLOUDY	EBB	8:15:00 AM
CLEAR	1	SW	CLEAR	EBB	8:38:00 AM
CLEAR	1	NW	CLEAR	EBB	8:39:00 AM
CLEAR	1	SW	CLEAR	EBB	8:39:00 AM
CLEAR	1	SW	CLEAR	EBB	8:39:00 AM
CLEAR	1	SW	CLOUDY	EBB	10:45:00 AM
CLEAR	0	CALM	CLEAR	EBB	8:30:00 AM
CLEAR	0	CALM	CLEAR	EBB	8:30:00 AM
CLEAR	0	CALM	CLEAR	EBB	ND
CLEAR	0	CALM	CLEAR	EBB	8:39:00 AM
CLEAR	0	CALM	CLEAR	EBB	8:39:00 AM
CLEAR	0	CALM	CLOUDY	EBB	11:45:00 AM
CLEAR	0	CALM	CLOUDY	EBB	11:45:00 AM
PARTLY CLOUDY	0	CALM	CLEAR	EBB	8:39:00 AM
CLEAR	3	NW	CLOUDY	EBB	8:09:00 AM
CLEAR	1	NE	CLEAR	EBB	8:00:00 AM
CLEAR	1	NE	CLEAR	EBB	8:00:00 AM
CLEAR	0	SW	CLEAR	EBB	8:41:00 AM
CLEAR	0	SW	CLEAR	EBB	8:41:00 AM
CLEAR	0	CALM	CLOUDY	EBB	10:45:00 AM
CLEAR	0	CALM	CLOUDY	EBB	10:45:00 AM
CLEAR	0	CALM	CLOUDY	EBB	8:09:00 AM
CLEAR	0	CALM	CLOUDY	EBB	8:09:00 AM
CLEAR	1	SW	CLEAR	EBB	2:41:00 AM
CLEAR	0	CALM	CLEAR	EBB	8:33:00 AM

CLEAR	1	SW	CLOUDY	EBB	2:41:00 AM
CLEAR	1	SW	CLOUDY	EBB	2:41:00 AM
CLEAR	1	NE	CLEAR	EBB	ND
CLEAR	1	NW	CLEAR	EBB	8:30:00 AM
CLEAR	1	NW	CLEAR	EBB	8:30:00 AM
CLEAR	0	CALM	CLEAR	EBB	11:30:00 AM
CLEAR	1	CALM	CLEAR	EBB	8:33:00 AM
CLEAR	1	N	CLEAR	EBB	8:33:00 AM
CLEAR	0	CALM	CLEAR	EBB	8:41:00 AM
CLEAR	0	CALM	CLEAR	EBB	8:41:00 AM
CLEAR	0	CALM	ND	EBB	8:33:00 AM
CLEAR	5	NE	CLEAR	EBB	9:31:00 AM
CLEAR	3	NE	CLEAR	EBB	9:45:00 AM
CLEAR	3	NE	CLEAR	EBB	9:45:00 AM
CLEAR	1	W	ALGAE/PLANTS	EBB	10:38:00 AM
CLEAR	1	W	ALGAE/PLANTS	EBB	10:38:00 AM
CLEAR	1	W	ND	EBB	10:38:00 AM
CLEAR	1	W	ND	EBB	10:38:00 AM
CLEAR	1	SW	CLOUDY	EBB	10:02:00 AM
CLEAR	1	SW	CLOUDY	EBB	10:05:00 AM
CLEAR	1	N	CLEAR	EBB	11:30:00 AM
CLEAR	3	NW	CLOUDY	EBB	10:34:00 AM
CLEAR	1	N	CLEAR	EBB	11:30:00 AM
CLEAR	1	NW	CLEAR	EBB	ND
CLEAR	2	NW	CLEAR	EBB	10:23:00 AM
CLEAR	2	NW	CLEAR	EBB	10:23:00 AM
CLEAR	1	SW	CLEAR	EBB	10:23:00 AM
CLEAR	2	NW	CLEAR	EBB	10:24:00 AM
CLEAR	2	NW	CLEAR	EBB	10:24:00 AM
CLEAR	0	CALM	CLEAR	EBB	ND
CLEAR	0	CALM	CLEAR	EBB	ND
PARTLY CLOUDY	0	CALM	CLEAR	EBB	10:24:00 AM

<u>24 hour Precipitation</u>	<u>Secchi disappear</u>	<u>Secchi reappear</u>	<u>Secchi average</u>	<u>Total Depth (m)</u>	<u>Secchi Deq</u>	<u>DI SALINITY</u>
2	0.64	0.64	0.64	0.64	100%	0.0
2	0.14	0.14	0.14	0.14	100%	0.0
2	0.15	0.15	0.15	0.15	100%	0.0
2	1.50	1.35	1.43	4.65	31%	0.0
2	1.50	1.35	1.43	4.65	31%	0.0
2	1.70	1.70	1.70	4.00	43%	0.0
3	1.20	1.20	1.20	1.20	100%	0.0
3	1.60	1.50	1.55	2.80	55%	0.0
3	2.85	2.80	2.83	2.85	99%	0.0
3	0.80	0.80	0.80	0.80	100%	0.0
3	0.96	0.96	0.96	0.96	100%	0.0
3	2.10	2.10	2.10	2.10	100%	0.0
3	2.10	2.10	2.10	2.10	100%	0.0
2	1.40	1.40	1.40	1.40	100%	0.0
2	2	1.95	1.98	8.5	23%	0.0
2	2	1.95	1.98	8.5	23%	0.0
3	1.30	1.00	1.15	1.40	82%	0.0
2	0.75	0.75	0.75	0.75	100%	0.0
2	0.63	0.63	0.63	0.63	100%	0.0
2	1.30	1.30	1.30	5.70	23%	0.0
2	1.30	1.30	1.30	5.70	23%	0.0
3	0.45	0.45	0.45	0.45	100%	0.0
1	0.55	0.55	0.55	0.55	100%	0.0
1	0.16	0.16	0.16	0.16	100%	0.0
1	0.12	0.12	0.12	0.12	100%	0.0
1	2.40	2.40	2.40	4.60	52%	0.0
1	2.40	2.40	2.40	4.60	52%	0.0
1	2.40	2.30	2.35	4.40	53%	0.0
1	1.30	1.30	1.30	1.30	100%	0.0
1	2.10	2.10	2.10	3.00	70%	0.0

1	2.00	1.90	1.95	2.90	67%	0.0
1	0.90	0.90	0.90	0.90	100%	0.0
1	1.10	1.10	1.10	1.10	100%	0.0
1	2.50	2.50	2.50	3.30	76%	0.0
1	2.50	2.50	2.50	3.30	76%	0.0
1	1.40	1.40	1.40	1.40	100%	0.0
1	1.95	1.75	1.85	8.75	21%	0.0
1	1.95	1.75	1.85	8.75	21%	0.0
1	1.25	1.15	1.20	1.50	80%	0.0
1	0.82	0.82	0.82	0.82	100%	0.0
1	0.80	0.80	0.80	0.80	100%	0.0
1	2.70	2.60	2.65	4.60	58%	0.0
1	2.70	2.60	2.65	4.60	58%	0.0
1	0.60	0.60	0.60	0.60	100%	0.0
1	0.68	0.68	0.68	0.68	100%	0.0
1	0.12	0.12	0.12	0.12	100%	0.0
1	0.12	0.12	0.12	0.12	100%	0.0
1	1.30	1.30	1.30	4.40	30%	0.0
1	1.3	1.3	1.30	4.4	30%	0.0
1	1.50	1.60	1.55	3.90	40%	0.0
1	1.35	1.35	1.35	1.35	100%	0.0
1	1.60	1.50	1.55	2.30	67%	0.0
1	1.60	1.50	1.55	2.80	55%	0.0
1	0.75	0.75	0.75	0.75	100%	0.0
1	0.91	0.91	0.91	0.91	100%	0.0
1	2.20	2.20	2.20	2.20	100%	0.0
1	2.20	2.20	2.20	2.20	100%	0.0
1	1.20	1.20	1.20	1.20	100%	0.0
1	2.35	2.35	2.35	8.70	27%	0.0
1	2.35	2.35	2.35	8.70	27%	0.0
1	1.30	1.30	1.30	1.30	100%	0.0
1	0.71	0.71	0.71	0.71	100%	0.0
1	0.77	0.77	0.77	0.77	100%	0.0
1	1.70	1.70	1.70	4.10	41%	0.0
1	1.70	1.70	1.70	4.10	41%	0.0
1	0.55	0.55	0.55	0.55	100%	0.0
1	0.52	0.52	0.52	0.52	100%	0.0
1	0.09	0.09	0.09	0.09	100%	0.0
1	0.14	0.14	0.14	0.14	100%	0.0
1	1.59	1.75	1.67	4.38	38%	0.0
1	1.59	1.75	1.67	4.38	38%	0.0
1	2.00	1.75	1.88	4.10	46%	0.0
1	1.40	1.40	1.40	1.40	100%	0.0
1	1.50	1.50	1.50	2.25	67%	0.0
1	1.60	1.60	1.60	2.25	71%	0.0
1	1.70	1.70	1.70	1.70	100%	0.0
2	1.07	1.07	1.07	1.07	100%	0.0

1	2.80	2.80	2.80	3.20	88%	0.0
1	2.80	2.80	2.80	3.20	88%	0.0
2	1.25	1.25	1.25	1.25	100%	0.0
1	2.60	2.60	2.60	8.60	30%	0.0
1	2.60	2.60	2.60	8.60	30%	0.0
2	1.40	1.40	1.40	1.40	100%	0.0
2	0.79	0.79	0.79	0.79	100%	0.0
2	0.79	0.79	0.79	0.79	100%	0.0
1	2.00	2.30	2.15	4.70	46%	0.0
1	2.00	2.30	2.15	4.70	46%	0.0
1	0.87	0.87	0.87	0.87	100%	0.0
1	0.43	0.43	0.43	0.43	100%	0.0
1	0.18	0.18	0.18	0.18	100%	0.0
1	0.18	0.18	0.18	0.18	100%	0.0
1	1.72	1.55	1.64	4.36	38%	0.0
1	1.72	1.55	1.64	4.36	38%	0.0
1	1.45	1.67	1.56	4.20	37%	0.0
1	2.14	2.14	2.14	2.14	100%	0.0
1	1.50	1.50	1.50	2.50	60%	0.0
1	1.80	1.70	1.75	3.00	58%	0.0
1	1.80	1.80	1.80	1.80	100%	0.0
1	1.20	1.20	1.20	1.20	100%	0.0
1	1.10	1.10	1.10	1.10	100%	0.0
1	1.26	1.26	1.26	1.26	100%	0.0
1	2.35	2.20	2.28	8.65	26%	0.0
1	2.35	2.20	2.28	8.65	26%	0.0
1	1.50	1.50	1.50	1.50	100%	0.0
1	0.80	0.80	0.80	0.80	100%	0.0
1	0.80	0.80	0.80	0.80	100%	0.0
1	1.50	1.40	1.45	4.50	32%	0.0
1	1.50	1.40	1.45	4.50	32%	0.0
1	0.65	0.65	0.65	0.65	100%	0.0

Surface SALINITY	Collection Time	Sample Depth	Meter Oxygen mg/L	Meter Oxygen %saturation	Water Temp	WINKLER (uM)	Winkler Oxygen mg/L	Lab Salinity (ppt)
ND	8:04	0.3	5.1	58.5	22.5			28.0
ND	8:03	0.1	5.1	59.9	22.7			26.9
ND	7:32	0.1	5.2	58.5	21.8			26.0
ND	6:45	0.5	8.8	98.3	22.4			29.5
ND	6:50	4.0	1.4	16.1	19.9			30.3
ND	7:26	2	6.0	71	22.5			29.8
ND	7:20	0.6	6.9	82.5	23.5			29.6
ND	7:05	1.4	5.5	74.8	22.6			29.9
ND	7:40	1.4	6.8	76.8	21.4			30.1
ND	8:42	0.5	8.4	81.6	19.5			30.5
ND	8:06	0.46	5.1	54.0	19.3			30.8
ND	9:06	0.2	8.4	88.7	17.9			30.9
ND	9:08	1.5	8.7	91.0	17.3			30.9
ND	7:14	0.7	8.3	96.3	22.1			29.9
ND	7:47	0.5	8.8	100.9	22.1			29.8
ND	7:50	8	ND	ND	8.6			31.5
ND	8:05	0.5	7.4	80.9	24			29.2
ND	7:47	0.375	7.6	85.3	18.8			30.6
ND	7:30	0.31	7.9	84.0	18.2			29.0
ND	6:20	0.5	7.6	92.0	22.9			29.0
ND	6:25	4.2	0.1	1.0	19.3			30.3
ND	7:55	0.22	4.7	60.1	19.7			30.3
ND	8:02	0.28	5.2	56.8	19.7			29.1
ND	8:55	0.08	6.4	68.9	19.3			29.9
ND	7:25	0.06	6.7	72.1	18.7			29.3
ND	7:38	0.5	9.6	104.1	19.6			30.5
ND	7:44	4.1	4.0	42.5	17.7			30.8
ND	7:32	2.2	7.1	75.5	19.9			30.4
ND	7:13	0.65	10.3	114.5	20.6			30.2
ND	6:45	1.5	8.0	86.0	19.2			30.6

ND	7:00	1.5	8.1	86.0	17.9	30.8
ND	7:00	0.45	8.6	87.6	15.9	31.0
ND	7:52	0.55	7.1	78.9	19.2	30.7
ND	7:20	0.5	9.5	92.7	15.6	31.0
ND	7:20	2.5	9.4	95.0	15.5	31.0
ND	7:24	0.7	8.3	89.0	?	30.6
ND	7:23	0.5	10.0	110.4	20.1	30.3
ND	7:25	8	LOW	LOW	10.6	31.3
ND	7:30	0.75	8.2	97.8	21	29.7
ND	7:39	0.41	8.2	86.0	17	30.9
ND	7:25	0.4	7.7	79.3	16.6	30.9
ND	6:31	0.5	8.6	9.7	20.1	29.9
ND	6:21	4	5.1	62.5	17.9	30.3
ND	7:00	0.3	6.5	80.7	16.3	31.1
ND	7:50	0.35	4.8	54.8	21.6	28.8
ND	8:00	0.06	7.2	82.2	21.8	28.7
ND	7:25	0.06	6.3	70.6	20.7	27.1
ND	7:50	0.5	8.3	93.4	20.9	30.2
ND	7:52	3.9	1.7	15.2	19.4	30.7
ND	7:24	2	7.1	80.0	21.9	30.3
ND	7:15	0.625	6.6	74.9	22	30.3
ND	6:10	1.15	7.1	80.2	21.2	30.5
ND	6:25	1.4	7.2	79.7	20.5	30.6
ND	7:11	0.34	7.9	85.4	19.6	30.8
ND	7:20	0.455	6.7	73.0	21	30.7
ND	7:30	0.5	8.1	85.5	18.6	30.9
ND	7:30	1.5	8.1	86.5	18.5	30.9
ND	7:20	0.6	8.2	91.3	21.7	30.1
ND	7:40	0.15	9.7	109.6	21.6	30.2
ND	7:45	8	LOW	LOW	10	31.3
ND	7:30	0.5	7.2	86.9	22	29.9
ND	6:38	0.355	7.5	81.5	19.2	30.8
ND	6:25	0.385	7.0	75.6	19	30.8
ND	6:00	0.5	7.9	88.1	20.8	29.7
ND	6:00	4	0.1	4.8	19.7	30.4
ND	5:47	0.27	5.5	73.5	18.9	30.8
ND	8:02	0.25	4.5	51.4	21.6	25.4
ND	7:50	0.0045	5.9	65.9	21.2	27.6
ND	7:20	0.0007	5.5	61.5	20.7	26.5
ND	7:55	0.5	4.4	50.2	21.4	29.2
ND	8:10	3.9	2.2	24.4	20.3	30.2
ND	7:20	1.87	6.6	76.0	22.4	29.5
ND	7:12	0.7	7.8	88.1	22.3	29.4
ND	6:45	1.1	7.5	79.2	20	29.9
ND	7:00	1.1	6.9	77.9	20.8	29.9
ND	7:01	0.75	8.9	92.2	18.1	30.4
ND	7:26	0.53	8.1	85.1	17.9	30.6

ND	7:22	0.15	9.1	94.1	17	30.9
ND	7:26	2.5	9.2	94.3	17	31.0
ND	7:50	0.6	6.7	76.0	21.3	30.0
ND	7:50	0.5	ND	ND	21.3	29.9
ND	7:41	7.5	ND	ND	ND	31.4
ND	8:00	0.5	5.1	57.1	23.3	29.5
ND	6:50	0.395	7.6	79.9	18.2	30.6
ND	6:34	0.395	6.9	72.5	17.6	30.8
ND	6:00	0.5	4.4	52.8	21	29.7
ND	6:05	4.2	3.0	31.3	19.2	30.3
ND	5:30	0.43	6.8	85.1	17	31.0
ND	7:58	0.22	6.0	63.6	18.3	27.0
ND	7:55	0.09	6.7	70.2	17.7	26.6
ND	7:25	0.09	7.0	72.4	17.2	27.3
ND	7:16	0.5	8.3	90.6	19	28.0
ND	7:15	3.6	4.7	50.1	17.8	28.8
ND	7:45	2.1	7.2	77.0	17.9	28.9
ND	8:02	1.07	8.8	92.1	17.8	28.7
ND	7:30	1.5	7.7	ND	17.8	29.7
ND	7:45	1.5	7.6	ND	17.5	30.1
ND	6:50	0.9	8.8	89.5	16.4	30.6
ND	8:20	0.6	7.0	71.0	17.5	30.5
ND	7:10	0.5	8.7	88.6	16.2	30.7
ND	7:20	0.6	9.2	97.2	18.2	29.6
ND	8:00	0.5	10.5	111.5	18.2	29.0
ND	8:05	8	LOW	LOW	11	30.5
ND	7:30	0.75	9.8	107.4	19	28.8
ND	7:15	0.4	8.1	82.4	16.1	30.3
ND	6:56	0.4	7.5	78.0	16.2	30.3
ND	6:35	0.5	8.9	95.5	18.6	29.1
ND	6:41	4	6.2	71.0	17.8	29.6
ND	6:24	0.3	6.2	76.5	15.9	30.7

Lab	Conductivity	uM PO4	uM NH4	uM NOx	uM DIN	uM DON	uM TDN	uM POC	uM PON
	43.5	1.25	5.01	1.07	6.09	28.38	34.47	55.84	8.25
	42.0	1.51	4.00	0.75	4.75	26.68	31.42	97.07	16.19
	40.7	1.79	2.99	0.85	3.83	23.94	27.77	85.72	13.05
	45.7	0.89	2.94	0.03	2.97	43.69	46.66	113.27	16.01
	46.8	4.31	3.58	0.03	3.60	38.95	42.55	181.18	16.16
	46.1	0.86	0.83	0.03	0.86	24.78	25.64	77.55	12.02
	45.8	0.94	1.76	0.03	1.79	37.86	39.65	61.24	9.44
	46.3	1.04	1.59	0.03	1.62	17.73	19.34	47.00	7.06
	46.5	0.91	1.97	0.03	2.00	29.73	31.73	47.02	6.99
	47.1	0.73	3.41	0.03	3.43	30.03	33.46	40.74	6.56
	47.4	0.76	1.42	0.03	1.45	40.64	42.09	72.25	12.50
	47.5	0.47	4.42	0.09	4.51	26.30	30.82	41.50	6.11
	47.5	0.38	3.32	0.03	3.35	26.35	29.70	64.44	9.06
	46.2	0.53	0.79	0.03	0.81	26.04	26.86	67.60	11.24
	46.1	0.28	1.13	0.03	1.15	21.06	22.21	82.69	14.08
	48.4	36.30	250.00	0.03	250.03	29.97	279.99	104.06	18.12
	45.3	0.66	2.48	0.03	2.50	19.91	22.41	90.17	14.20
	47.2	0.63	1.97	0.02	1.99	18.10	20.09	44.48	7.08
	45.0	0.47	1.25	0.03	1.28	24.05	25.33	46.67	6.04
	45.0	0.58	0.49	0.03	0.52	25.73	26.25	84.89	12.11
	46.8	1.85	0.58	0.03	0.60	85.65	86.26		machine error
	46.8	1.56	3.11	0.03	3.14	17.84	20.98	55.57	9.32
	45.1	1.32	4.54	1.01	5.55	28.62	34.17	44.72	6.75
	46.3	1.05	3.68	0.21	3.89	35.15	39.04	62.87	7.79
	45.4	1.16	3.27	0.07	3.35	36.79	40.13	64.58	7.57
	47.0	1.24	1.20	0.02	1.22	29.34	30.56	64.17	10.34
	48.1	1.64	0.43	0.12	0.56	28.43	28.99	428.21	51.51
	47.8	1.24	1.38	0.03	1.41	17.29	18.69	60.87	10.71
	47.4	1.24	1.29	0.37	1.66	49.12	50.79	50.35	7.77
	48.0	1.21	2.78	0.07	2.85	15.30	18.14	47.63	7.18

48.3	0.95	2.24	0.12	2.35	17.62	19.97	43.56	6.67
48.5	0.42	1.65	1.22	2.88	25.87	28.75	55.60	8.42
48.2	0.76	3.14	0.70	3.84	16.63	20.47	61.13	9.79
48.5	0.36	1.70	0.34	2.04	7.38	9.42	49.25	7.91
48.4	0.31	1.29	0.00	1.29	16.50	17.79	45.26	6.24
47.8	0.36	0.30	0.60	0.90	14.77	15.67	78.49	11.56
47.5	0.13	0.30	0.35	0.65	10.46	11.11	90.01	10.92
48.9	8.19	324.23	0.46	324.69	-103.82	220.87	97.99	15.99
46.7	0.21	0.34	0.68	1.02	15.98	17.00	126.55	19.46
48.4	2.75	1.43	0.36	1.78	10.74	12.53	59.95	9.22
48.3	0.55	0.97	0.36	1.34	11.95	13.29	44.75	6.56
46.8	0.92	1.52	0.40	1.92	14.08	15.99	73.25	10.51
47.4	0.92	0.70	0.69	1.39	14.01	15.41	131.35	22.36
48.4	0.71	0.61	0.20	0.81	8.34	9.16	50.54	7.77
44.8	1.61	4.74	1.22	5.96	24.55	30.51	57.06	7.80
44.7	1.93	5.06	0.74	5.80	31.52	37.32	83.50	12.01
42.4	2.25	6.09	0.95	7.04	25.35	32.39	80.95	11.94
46.8	1.45	0.29	0.03	0.31	28.68	28.99	98.89	13.97
47.5	4.37	0.96	0.03	0.99	30.74	31.73	133.06	19.00
46.9	4.95	0.56	0.03	0.59	37.23	37.82	90.81	13.07
47.0	1.05	2.81	0.03	2.83	19.76	22.59	78.69	12.68
47.2	0.97	3.93	0.18	4.11	21.22	25.33	55.69	7.84
47.4	0.95	3.26	0.25	3.50	22.44	25.94	62.50	9.02
47.6	0.63	2.54	0.07	2.61	26.68	29.29	51.58	7.56
47.5	0.68	4.97	0.09	5.06	45.86	50.92	52.01	8.53
47.8	0.36	4.61	0.04	4.65	19.47	24.11	48.13	6.47
47.8	0.42	4.61	0.02	4.63	13.14	17.77	41.16	5.21
46.7	0.42	1.01	0.03	1.03	15.50	16.53	76.63	10.17
46.8	0.26	0.92	0.03	0.94	14.52	15.46	69.43	9.63
48.3	25.17	288.87	0.03	288.90	98.63	387.52	110.45	17.32
46.4	0.47	1.95	0.03	1.98	16.17	18.15	62.19	9.36
47.6	0.58	2.72	0.06	2.78	21.94	24.72	47.99	7.20
47.7	0.52	1.91	0.03	1.93	14.11	16.04	43.04	6.33
461.0	0.84	2.09	0.03	2.11	19.29	21.40	77.53	11.35
47.0	1.05	1.19	0.03	1.21	22.60	23.81	505.67	74.80
47.7	0.58	1.95	0.03	1.98	15.92	17.90	51.05	7.07
40.0	2.18	6.61	2.02	8.63	30.66	39.29	93.10	11.45
43.1	1.60	7.09	0.73	7.82	12.35	20.17	76.00	9.79
41.6	1.68	7.19	1.32	8.51	14.15	22.66	64.73	9.00
45.5	1.89	2.98	0.21	3.20	27.86	31.06	91.29	17.22
46.8	2.61	4.67	0.21	4.88	16.35	21.23	94.35	17.17
45.8	0.93	1.02	0.03	1.04	17.81	18.86	75.07	13.31
45.6	0.72	1.21	0.03	1.23	26.87	28.11	76.27	12.55
46.3	0.56	7.77	0.29	8.07	21.47	29.54	65.12	10.64
46.3	0.50	5.93	0.26	6.19	23.06	29.25	70.40	10.46
47.1	0.39	5.64	0.33	5.96	19.56	25.53	50.90	8.05
47.2	0.43	2.33	0.46	2.79	38.77	41.56	55.21	7.68

47.8	0.19	6.27	0.82	7.09	11.91	19.00	39.88	5.77
47.8	0.24	6.27	0.23	6.50	9.81	16.31	37.23	5.18
46.5	0.50	1.39	0.04	1.43	22.66	24.10	52.84	8.68
46.3	0.43	0.74	0.05	0.79	15.83	16.62	59.28	9.71
48.4	44.12	454.09	0.48	454.57	-109.78	344.79	103.68	14.78
45.8	0.80	3.17	0.48	3.65	16.69	20.35	63.39	9.76
47.4	0.50	2.75	0.16	2.91	8.19	11.10	46.63	6.68
47.5	0.39	2.89	0.10	2.98	10.40	13.39	37.68	6.08
46.1	1.17	8.55	0.32	8.87	16.37	25.24	65.18	10.08
46.9	1.68	10.72	0.21	10.93	15.74	26.67	89.66	15.86
47.8	0.43	1.21	0.20	1.41	18.08	19.49	39.53	5.46
43.3	1.16	7.04	1.81	8.85	24.12	32.97	77.12	8.59
42.7	1.27	4.41	1.38	5.79	24.89	30.68	101.58	11.24
43.6	1.24	2.83	0.81	3.64	18.74	22.38	135.42	21.72
44.8	0.13	0.96	1.48	2.44	12.01	14.45	78.48	11.69
46.1	0.37	1.01	0.31	1.32	14.30	15.62	135.42	21.72
46.4	0.29	1.10	0.50	1.60	34.23	35.84	114.87	20.07
46.1	0.26	4.73	0.55	5.28	37.14	42.42	76.35	11.66
47.6	3.82	503.52	3.44	506.96	175.70	682.66	65.65	9.46
48.2	0.54	2.68	0.23	2.92	15.48	18.40	60.73	9.00
48.8	0.51	4.31	0.24	4.55	15.71	20.26	59.32	7.69
48.3	0.59	4.55	0.23	4.78	12.99	17.77	95.92	14.96
48.3	0.43	5.46	0.27	5.73	8.89	14.62	56.06	7.23
46.5	0.62	0.86	0.36	1.22	39.20	40.42	62.30	8.66
46.1	0.48	1.44	0.23	1.66	6.88	8.55	63.99	9.89
48.5	0.29	0.96	0.16	1.11	12.70	13.82	62.69	9.22
46.0	0.48	0.58	0.03	0.60	14.59	15.19	77.56	11.53
48.3	0.40	3.93	0.24	4.16	7.79	11.96	57.25	6.80
48.4	0.40	7.40	0.34	7.74	19.51	27.25	53.50	8.27
46.6	0.40	0.58	0.06	0.63	14.96	15.59	84.66	13.41
47.2	0.62	0.58	0.17	0.74	21.07	21.81	194.79	32.42
48.6	0.45	1.73	0.11	1.84	10.03	11.87	41.67	6.12

C/N	uM TON	** ug/L Seawater **			Chl+Phaeo	Total Pig
		uM TN	Chla	Phaeo		
6.77	36.63	42.72	0.03	4.79	1%	4.81
5.99	42.87	47.62	0.03	5.03	0%	5.05
6.57	36.99	40.82	0.03	4.26	1%	4.29
7.08	59.69	62.66	0.03	6.47	0%	6.49
11.22	55.10	58.70	0.18	18.16	1%	18.34
6.45	36.80	37.66	0.03	6.80	0%	6.83
6.49	47.31	49.09	0.03	6.65	0%	6.67
6.66	24.78	26.40	0.03	5.23	0%	5.25
6.73	36.72	38.72	0.03	6.26	0%	6.28
6.21	36.59	40.03	0.03	4.16	1%	4.18
5.78	53.14	54.59	0.03	8.02	0%	8.06
6.79	32.42	36.93	0.10	2.80	3%	2.90
7.11	35.42	38.76	0.03	3.48	1%	3.50
6.02	37.28	38.09	0.03	7.99	0%	8.01
5.87	35.14	36.30	0.03	7.13	0%	7.15
5.74	48.08	298.11	6.60	8.20	45%	14.80
6.35	34.11	36.61	0.03	6.91	0%	6.93
6.28	25.19	27.18	0.03	3.95	1%	3.97
7.73	30.09	31.37	0.03	3.39	1%	3.41
7.01	37.84	38.36	0.03	7.48	0%	7.51
or	85.65	86.26	22.41	61.98	27%	84.39
5.96	27.16	30.29	0.03	4.90	1%	4.92
6.63	35.36	40.91	0.03	3.44	1%	3.46
8.07	42.94	46.83	0.03	2.58	1%	2.60
8.53	44.36	47.70	0.03	3.20	1%	3.23
6.20	39.68	40.91	0.03	6.56	0%	6.59
8.31	79.94	80.50	0.03	12.00	0%	12.02
5.68	27.99	29.40	0.03	5.03	0%	5.05
6.48	56.89	58.55	0.03	3.72	1%	3.74
6.63	22.48	25.33	0.03	6.04	0%	6.06

6.53	24.29	26.64	0.03	4.33	1%	4.35
6.61	34.29	37.17	0.03	2.93	1%	2.96
6.25	26.41	30.25	0.03	3.99	1%	4.01
6.23	15.28	17.32	0.03	2.76	1%	2.78
7.25	22.74	24.03	0.03	3.22	1%	3.25
6.79	26.33	27.23	0.03	4.46	1%	4.48
8.25	21.38	22.03	0.03	4.54	1%	4.57
6.13	-87.83	236.86	12.55	14.76	46%	27.32
6.50	35.44	36.46	0.03	6.50	0%	6.53
6.50	19.97	21.75	0.03	2.78	1%	2.81
6.82	18.51	19.85	0.01	2.39	0%	2.40
6.97	24.59	26.50	0.03	3.04	1%	3.07
5.87	36.37	37.77	0.03	4.34	1%	4.36
6.50	16.12	16.93	0.03	3.29	1%	3.31
7.31	32.35	38.31	0.03	5.48	0%	5.50
6.95	43.52	49.32	0.09	5.20	2%	5.30
6.78	37.29	44.33	0.14	4.94	3%	5.08
7.08	42.65	42.96	0.03	6.32	0%	6.34
7.00	49.74	50.73	0.03	12.56	0%	12.60
6.95	50.30	50.89	0.01	4.90	0%	4.92
6.21	32.44	35.27	0.03	7.08	0%	7.10
7.10	29.06	33.17	0.03	8.72	0%	8.75
6.93	31.46	34.96	0.17	6.54	3%	6.72
6.83	34.24	36.85	0.03	4.11	1%	4.13
6.10	54.39	59.45	0.03	5.04	0%	5.06
7.44	25.94	30.58	0.03	3.24	1%	3.26
7.90	18.35	22.98	0.02	2.96	1%	2.98
7.53	25.67	26.70		machine error		
7.21	24.15	25.09	0.03	6.54	0%	6.57
6.38	115.94	404.84	35.04	7.10	33%	42.14
6.65	25.53	27.51	0.37	4.39	8%	4.76
6.67	29.14	31.92	0.01	3.65	0%	3.66
6.80	20.44	22.37	0.07	4.12	2%	4.20
6.83	30.64	32.75	0.03	6.35	0%	6.37
6.76	97.39	98.61	11.20	31.35	26%	42.55
7.22	23.00	24.97	0.03	4.83	1%	4.86
8.13	42.12	50.75	0.24	10.60	2%	10.84
7.76	22.14	29.96	0.35	4.98	7%	5.34
7.19	23.16	31.67	0.09	5.76	2%	5.86
5.30	45.07	48.27	0.15	14.12	1%	14.28
5.49	33.53	38.41	7.95	19.91	29%	27.86
5.64	31.12	32.17	0.69	11.61	6%	12.30
6.08	39.42	40.66	0.19	11.13	2%	11.32
6.12	32.11	40.18	0.19	10.50	2%	10.70
6.73	33.52	39.71	0.35	9.71	3%	10.06
6.33	27.61	33.57	0.07	7.32	1%	7.40
7.19	46.45	49.24	4.50	5.12	47%	9.62

6.91	17.68	24.77	0.07	4.08	2%	4.16
7.19	14.99	21.49	0.63	3.78	14%	4.42
6.09	31.35	32.78	0.03	8.18	0%	8.20
6.11	25.54	26.33	0.03	8.70	0%	8.73
7.01	-95.00	359.57	6.33	17.78	26%	24.11
6.50	26.45	30.10	0.49	7.61	6%	8.10
6.98	14.87	17.78	0.31	7.78	4%	8.10
6.20	16.48	19.47	0.58	4.56	11%	5.14
6.47	26.45	35.32	0.60	8.50	7%	9.10
5.65	31.60	42.54	3.87	7.75	33%	11.62
7.24	23.54	24.94	0.48	4.46	10%	4.94
8.98	32.71	41.56	0.03	5.86	0%	5.88
9.04	36.13	41.92	0.03	5.52	0%	5.54
6.24	40.46	44.10	0.03	7.93	0%	7.95
6.71	23.70	26.14	0.03	8.10	0%	8.13
6.24	36.02	37.34	0.03	12.57	0%	12.59
5.72	54.30	55.90	0.03	14.49	0%	14.51
6.55	48.80	54.08	0.03	7.78	0%	7.80
6.94	185.16	692.13	0.03	7.67	0%	7.69
6.75	24.48	27.40	0.03	5.95	0%	5.97
7.71	23.40	27.95	0.03	4.81	1%	4.83
6.41	27.94	32.72	0.06	6.44	1%	6.50
7.75	16.12	21.85	0.03	3.41	1%	3.43
7.19	47.86	49.08	0.03	5.31	0%	5.33
6.47	16.78	18.44	0.03	5.58	0%	5.61
6.80	21.93	23.04	2.56	17.56	13%	20.12
6.73	26.12	26.72	0.03	7.34	0%	7.37
8.41	14.60	18.76	0.03	3.46	1%	3.49
6.47	27.77	35.51	0.03	4.68	1%	4.70
6.32	28.36	29.00	0.03	10.18	0%	10.21
6.01	53.48	54.22	3.69	16.98	18%	20.68
6.80	16.16	17.99	0.03	4.20	1%	4.23