

**Snapshot Day 10/2/07  
Salinity**

<b>RM Site Time</b>	<b>RM for graphing</b>	<b>Salinity averages for graphing</b>	<b>Unit</b>	<b>Each Salinity reading per site</b>	<b>Unit</b>	<b>Salinity Technique</b>	<b>Comments</b>
<i>RM 133</i>	<i>133</i>	<i>0</i>	<i>ppm</i>	<i>0</i>		hydrometer	no salinity recorded at all
<i>RM 127</i>							
4:00 PM	<i>127</i>	<i>41</i>	<i>ppm</i>	<i>0.041</i>	<i>ppt</i>	test strip	
<i>RM 115</i>							
10:30 AM	<i>115</i>	<i>200</i>	<i>ppm</i>	<i>0.2</i>	<i>ppt</i>		
10:45 AM				<i>0.2</i>	<i>ppt</i>		
12:00 PM				<i>0.2</i>	<i>ppt</i>		
<i>Rm 112</i>							
3:00 PM	<i>112</i>	<i>40</i>	<i>ppm</i>	<i>0.04</i>	<i>ppt</i>	Drop Count	
<i>Rm 103</i>							
10:30-12:30	<i>103</i>	<i>100</i>	<i>ppm</i>	<i>0.1</i>	<i>ppt</i>	Drop Count	
<i>RM 96.5</i>							
10:15 AM	<i>96.5</i>	<i>40</i>	<i>ppm</i>	<i>0.04</i>	<i>ppt</i>	drop count	
<i>RM 92</i>							
<i>not read</i>							
<i>Rm 87</i>							
<i>not read</i>							
<i>RM 84.5</i>							
9:35 AM	<i>84.5</i>	<i>70</i>	<i>ppm</i>	<i>0.072</i>	<i>ppt</i>	Drop Count	
9:54 AM				<i>0.08</i>	<i>ppt</i>		
10:23 AM				<i>0.072</i>	<i>ppt</i>		
11:03 AM				<i>0.072</i>	<i>ppt</i>		
12:00 PM				<i>0.088</i>	<i>ppt</i>		
12:45 PM				<i>0.072</i>	<i>ppt</i>		
1:20 PM				<i>0.054</i>	<i>ppt</i>		
<i>RM 78</i>							
<i>not read</i>							
<i>RM 76</i>							
11:30 AM	<i>75</i>	<i>45</i>	<i>ppm</i>	<i>0.045</i>	<i>ppm Chl</i>	Quantabs	
<i>RM 61 E</i>							
10:03 AM	<i>61</i>	<i>1320</i>	<i>ppm</i>	<i>1.466</i>	<i>ppt</i>	low range test kits off charts	used high range test strips
11:00 AM				<i>1.31</i>	<i>ppt</i>		
11:45 AM				<i>1.307</i>	<i>ppt</i>		
12:40 PM				<i>1.265</i>	<i>ppt</i>		
1:29 PM				<i>1.307</i>	<i>ppt</i>		
2:00 PM				<i>1.265</i>	<i>ppt</i>		
<i>RM 61W</i>							
<i>Not read</i>							
<i>Rm 58</i>							
12:30 PM	<i>58</i>	<i>4200</i>	<i>ppm</i>	<i>4.2</i>	<i>ppt</i>	hydrometer	
<i>Rm 55</i>							
10:30 AM	<i>55</i>	<i>5000</i>	<i>ppm</i>	<i>5</i>	<i>ppt</i>	hydrometer	
<i>Rm 41</i>							
11:39-12:04	<i>41</i>	<i>7300</i>	<i>ppm</i>	<i>7.3</i>	<i>ppt</i>	meter	

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<i>Rm 39.5</i>							
12:20 PM	39.5	0	ppm	0	ppt	hydrometer	
<i>Rm 36</i>							
9:45 AM	36	10000	ppm	10	ppt	titration kit	
<i>RM 32</i>							
12:03 PM	32	8000	ppm	7	%	hydrometer	
12:34 PM				9	%	hydrometer	
1:04 PM				8	%	hydrometer	
<i>RM28</i>	28	9100	ppm	9.1	ppt	meter	Please see "Stratification Study" on this site's individual data sheet
<i>RM 25E</i>							
10:45	25	35000	ppm	35	ppt	Drop count test kit/ test strips - probably ineffective in this salinity range	Reading is high for this site; equivalent to ocean water
<i>RM 25W</i>							
10:24 AM	25.1	11240	ppm	12	ppt	refractometer	<b>surface samples</b>
11:05 AM				12	ppt	refractometer	
11:27 AM				11	ppt	refractometer	
12:33 PM				11	ppt	refractometer	
1:15 PM				10.2	ppt	refractometer	
10:30 AM		11100	ppm	10.1	ppt	hydrometer	<b>bottom samples</b>
11:00 AM				11.4	ppt	hydrometer	
11:30 AM				11.4	ppt	hydrometer	
11:50 AM				10.97	ppt	hydrometer	
1:10 PM				11.4	ppt	hydrometer	
1:30 PM				11.33	ppt	YSI meter	
<i>Rm 18.5</i>							
1:30 PM	18.5	15000	ppm	14-16	ppt	hydrometer	
<i>RM 18</i>							
9:54 AM	18	16000	ppm	16	ppt	hydrometer	
10:01 AM				16	ppt	hydrometer	
10:58 AM				16	ppt	hydrometer	
<i>Harlem 14</i>							
10:55 AM	14	15700	ppm	15.7	ppt	YSI & hydrometer	
<i>RM 13</i>							
12:25 PM	13	15000	ppm	15	ppt	hydrometer	
<i>Harlem 12</i>							
11:05 PM	12	18000	ppm	16, 19	ppt	not recorded	
				18,17	ppt		
				19,19`	ppt		
<i>RM 7 LGH</i>							

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1:51 PM	7.1	18670	ppm	18.67	ppt		
<i>RM 7 BB</i>							
10:45 AM	7	19670.00	ppm	20.1	ppt	hydrometer	
12:45 PM				20.1	ppt	hydrometer	
1:05 PM				18.8	ppt	hydrometer	
<i>RM 5.5</i>							
11:00 AM	5.5	21000	ppm	21	ppt	drop kit	
<i>RM 4 SB</i>							
12:20 PM	4	21600	ppm	21.6	ppt	drop kit	
<i>RM 4 P84</i>							
9:30 AM	4.1	22450	ppm	20.9	ppt	hydrometer	reading of 1.015
10:46 AM				24	ppt	hydrometer?	technique unclear. Average of 28, 22, and 22 ppt.
<i>RM 2.5 CS_NYCSWCD</i>							
1:40 PM	2.7	22100	ppm	22.1	ppt	hydrometer	
<i>RM 2.5 CS_Calhoun</i>							
10:00 AM	2.6	23825	ppm	20.6	ppt	hydrometer	1.015, 20C
10:30 AM				27.2	ppt	hydrometer	1.020, 20C
10:45 AM				20.1	ppt	hydrometer	nr
11:00 AM				27.4	ppt	hydrometer	1.020, 21C
<i>RM 2.5 CS_Wallerstein</i>							
2:00 PM	2.5	28200	ppm	28.2	ppt	hydrometer	
<i>RM 2</i>							
10:30 AM	2	25200	ppm	25.2	ppt		
<i>East RM4</i>							
12:00 PM	4	23000	ppm	23	ppt	refractometer	
<i>East RM1E</i>							
11:00 AM	1	27950	ppm	27.4	ppt	hydrometer	
3:00 PM				28.5	ppt		
<i>East RM 1W</i>							
10:20 AM	1.1	27650	ppm	23	ppt	hydrometer	
10:30 AM				31	ppt		
11:00 AM				28.3	ppt		
11:10 AM				28.3	ppt		
<i>East RM0.5 SS</i>							
11:52 AM	0.5	22000	ppm	22	ppt	refractometer	
<i>East RM4 GP</i>							
12:03 PM	4.1	30330.00	ppm	29	ppt	hydrometer	
				30	ppt	hydrometer	
				32	ppt	hydrometer	
<i>RM -7 FW</i>							
11:10 AM	-7	31000	ppm	31.0	ppt	nr	
<i>RM -11 BP</i>							
10:14 AM	-11	17130.00	ppm	18	ppt	hydrometer	spec. grav: 1.013
				16.7	ppt	hydrometer	1.012
				16.7	ppt	hydrometer	1.012