

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

<b>RM Site Time</b>	<b>RM for graphing</b>	<b>Salinity averages for graphing</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>0</i>		hydrometer	no salinity recorded at all
<i>RM 127</i>						
4:00 PM	<i>127</i>	<i>0.041</i>	<i>0.041</i>	ppt	test strip	
<i>RM 115</i>						
10:30 AM	<i>115</i>	<i>0.2</i>	<i>0.2</i>	ppt		
10:45 AM			<i>0.2</i>	ppt		
12:00 PM			<i>0.2</i>	ppt		
<i>Rm 112</i>						
3:00 PM	<i>112</i>	<i>0.04</i>	<i>0.04</i>	ppt	Drop Count	
<i>Rm 103</i>						
?? But sampled 10:30-12:30	<i>103</i>	<i>0.1</i>	<i>0.1</i>	ppt	Drop Count	
<i>RM 96.5</i>						
10:15 AM	<i>96.5</i>	<i>0.04</i>	<i>0.04</i>	ppt	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>0.07</i>	<i>0.072</i>	ppt	Drop Count	
9:54 AM			<i>0.08</i>	ppt		
10:23 AM			<i>0.072</i>	ppt		
11:03 AM			<i>0.072</i>	ppt		
12:00 PM			<i>0.088</i>	ppt		
12:45 PM			<i>0.072</i>	ppt		
1:20 PM			<i>0.054</i>	ppt		
<i>RM 78</i>						
<i>not read</i>						
<i>RM 76</i>						
11:30 AM	<i>75</i>	<i>0.45</i>	<i>0.045</i>	ppm Chl	Quantabs	
<i>RM 61 E</i>						
10:03 AM	<i>61</i>	<i>1.57</i>	<i>1.466</i>	ppt	low range test kits off charts	
11:00 AM			<i>1.31</i>	ppt	used high range test strips	
11:45 AM			<i>1.307</i>	ppt		
12:40 PM			<i>2.019</i>	ppt		
1:29 PM			<i>1.307</i>	ppt		
2:00 PM			<i>2.019</i>	ppt		
<i>RM 61W</i>						
<i>Not read</i>						

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<i>Rm 58</i>							
12:30 PM	58	4.2	4.2	ppt	hydrometer		
<i>Rm 55</i>							
10:30 AM	55	5	5	ppt	hydrometer		
<i>Rm 41</i>							
11:39-12:04	41	7.3	7.3	ppt	meter		
<i>Rm 39.5</i>							
12:20 PM	39.5	0	0	ppt	hydrometer		
<i>Rm 36</i>							
9:45 AM	36	10	10	ppt	titration kit		
<i>RM 32</i>							
12:03 PM	32	8	7	%	hydrometer		
12:34 PM			9	%	hydrometer		
1:04 PM			8	%	hydrometer		
<i>RM28</i>	28	9.1	9.1	ppt	meter		Please see "Stratification Study" on this site's individual data sheet
<i>RM 25E</i>							
10:45	25	35	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	11.24	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		11.10	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	14-16	14-16	ppt	hydrometer		

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<i>RM 18</i>						
9:54 AM	18	16	16	ppt	hydrometer	
10:01 AM			16	ppt	hydrometer	
10:58 AM			16	ppt	hydrometer	
<i>Harlem 14</i>						
10:55 AM	14	15.7	15.7	ppt	YSI & hydrometer	
<i>RM 13</i>						
12:25 PM	13	15	15	ppt	hydrometer	
<i>Harlem 12</i>						
11:05 PM	12	18	16, 19	ppt	not recorded	
			18,17	ppt		
			19,19`	ppt		
<i>RM 7 LGH</i>						
1:51 PM	7.1	18.67	18.67	ppt		
<i>RM 7 BB</i>						
10:45 AM	7	19.67	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	21	21	ppt	drop kit	
<i>RM 4 SB</i>						
12:20 PM	4	21.6	21.6	ppt	drop kit	
<i>RM 4 P84</i>						
9:30 AM	4.1	22.45	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	22.1	22.1	ppt	hydrometer	
<i>RM 2.5 CS_Calhoun</i>						
10:00 AM	2.6	23.825	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	28.2	28.2	ppt	hydrometer	
<i>RM 2</i>						
10:30 AM	2	25.2	25.2	ppt		
<i>East RM4</i>						
12:00 PM	4	23	23	ppt	refractometer	
<i>East RM1E</i>						
11:00 AM	1	27.95	27.4	ppt	hydrometer	
3:00 PM			28.5	ppt		
<i>East RM 1W</i>						

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10:20 AM	1.1	27.65	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	22	22	ppt	refractometer	
<i>East RM4 GP</i>						
12:03 PM	4.1	30.33	29	ppt	hydrometer	
			30	ppt	hydrometer	
			32	ppt	hydrometer	
<i>RM -7 FW</i>						
11:10 AM	-7	31	31.0	ppt	nr	
<i>RM -11 BP</i>						
10:14 AM	-11	17.13	18	ppt	hydrometer	spec. grav: 1.013
			16.7	ppt	hydrometer	1.012
			16.7	ppt	hydrometer	1.012