

TIDE NOTES

<u>SITE</u>	<u>LOCATION</u>	<u>PERIOD</u>	<u>PERIOD</u>
Long Neck Point, CT 8468788	41° 02.3N 73° 28.8W	19 April 1995 13 July 1995	23 Oct 1995 17 Nov 1995
New Rochelle, NY 8518490	40° 53.5N 73° 46.9W	20 April 1995 13 July 1995	03 Nov 1995 15 Nov 1995

Long Neck Point, CT

Sea Data Model TDR-3A (S/N 018) and Coastal Leasing Microtide (S/N 10302) gages were installed on 19 April 1995. The staff was installed and leveled on 24 April. The Long Neck primary gage, TDR #018, malfunctioned on 31 May and Coastal #10302 became the primary gage. A new backup gage, Coastal #10320, was installed. Both gages were removed 13 July 1995. Coastal Microtide (S/N 10357 and 10353) gages were installed on 23 October 1995. The staff was leveled on 23 October. Both gages were removed on 17 November 1995.

New Rochelle, NY

Sea Data Model TDR-3A (S/N 224) and Coastal Leasing Microtide (S/N 10321) gages were installed on 20 April 1995. The staff was installed on 20 April and leveled on 25 April. The primary gage, TDR #224, failed on 01 May. The backup gage, COASTAL #10321, was connected to the telemetry system as the new primary gage. The backup gage has a complete record of the deployment and no data were lost. TDR #510 was installed as the new secondary gage on 03 May. Both gages were removed 13 July 1995. Coastal Microtide (S/N 10307 and 10320) gages were installed on 3 November 1995 and the staff was leveled. Both gages and staff were removed 17 November 1995.

Tide and Water Level Correction

The reference stations for H-10612 were Willets Point, NY (851-6990) and Bridgeport, CT (846-7150).

Soundings for field sheets were corrected using observed water level data from NOAA Station Willets Point, NY (851-6990). Data were acquired by cellular phone modem using the NOAA REALDATA software.

Smooth sheet soundings were corrected for water level through application of observed data from the Long Neck Point, CT (846-8799) and the New Rochelle, NY (851-8490) stations. A staff MLLW datum was computed at each station by simultaneous comparison with Willets Point, NY (851-6990) and with Bridgeport, CT (846-7150) using the NOAA Form 248 method prescribed by Marmer (Tidal Datum Planes, Spec. Pub. 135, U.S. Dept. of Commerce). The simultaneous comparison computations are included in the Phase IIA Summary Report - Tides.

The boundaries of tide zones used are listed in the Phase IIA Summary Report - Tides. Gage readings were recorded in relation to staff zero; therefore, the MLLW datum height was subtracted from gage readings before applying the time and ratio correctors.

Zoning correctors applied to the observed gage values were:

Station	Zone	Correctors			Staff MLLW Datum
		Time (h min)	Ratio	Height	
Long Neck Point	A10	+00 06	*1.00	0.496	0.496
Long Neck Point	A2	+00 09	*1.01	0.496	0.496
New Rochelle	A3	-00 03	*0.99	0.983	0.983

All data for project water level gages are reported in the Phase IIA Summary Report - Tides.

Table E-1. Abstract of Times of Hydrography

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1995/151 22:16:06.81 to 1995/151 22:39:10.97
1995/151 22:52:26.92 to 1995/151 23:14:03.01
1995/151 23:17:26.54 to 1995/151 23:39:46.85
1995/151 23:42:03.05 to 1995/151 23:59:56.06
1995/151 23:59:56.14 to 1995/152 00:03:40.10
1995/152 00:06:35.71 to 1995/152 00:09:29.09
1995/152 00:15:35.47 to 1995/152 00:35:40.99
1995/152 00:41:01.16 to 1995/152 00:54:11.93
1995/152 01:47:28.39 to 1995/152 02:10:17.96
1995/152 02:16:12.57 to 1995/152 02:41:49.00
1995/152 02:48:10.79 to 1995/152 03:12:05.90
1995/152 03:15:15.42 to 1995/152 03:36:04.79
1995/152 03:41:27.03 to 1995/152 04:05:05.85
1995/152 04:07:46.34 to 1995/152 04:28:32.96
1995/152 04:34:53.64 to 1995/152 04:59:51.85
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1995/154 10:25:46.93 to 1995/154 11:23:15.95
1995/154 11:38:58.54 to 1995/154 11:45:01.45
1995/154 11:51:16.80 to 1995/154 12:47:20.79
1995/154 12:52:51.11 to 1995/154 13:22:53.79
1995/154 13:50:16.43 to 1995/154 14:27:22.23
1995/154 14:33:57.35 to 1995/154 15:09:06.43
1995/154 15:16:52.95 to 1995/154 15:40:05.99
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1995/154 18:15:35.43 to 1995/154 19:28:20.97
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1995/154 21:45:13.62 to 1995/154 22:29:44.98
1995/154 22:32:45.10 to 1995/154 23:10:08.90
1995/154 23:26:55.48 to 1995/154 23:47:16.70
1995/155 21:26:59.96 to 1995/155 22:18:00.00
1995/155 22:23:06.84 to 1995/155 23:30:15.92
1995/155 23:37:28.37 to 1995/155 23:59:56.38
1995/155 23:59:56.61 to 1995/156 00:47:32.83
1995/156 00:52:20.12 to 1995/156 01:22:47.09
1995/156 10:36:42.50 to 1995/156 11:13:29.94
1995/156 11:49:17.38 to 1995/156 12:24:38.01
1995/156 12:28:44.42 to 1995/156 13:32:59.89
1995/156 13:43:24.31 to 1995/156 13:49:47.07
1995/156 14:13:10.11 to 1995/156 14:21:37.66
1995/156 14:30:11.58 to 1995/156 14:59:43.53
1995/156 15:07:15.16 to 1995/156 15:49:03.88
1995/156 15:55:10.27 to 1995/156 16:21:52.46
1995/156 16:28:28.47 to 1995/156 17:12:51.99
1995/156 17:17:31.94 to 1995/156 18:26:46.85

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1995/156 20:35:54.31 to 1995/156 20:45:06.07
1995/156 20:53:13.41 to 1995/156 21:46:51.65
1995/156 21:58:17.98 to 1995/156 22:58:08.76
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1995/156 23:59:51.14 to 1995/157 00:26:11.64
1995/157 00:41:36.46 to 1995/157 01:48:32.87
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1995/157 17:47:26.13 to 1995/157 18:10:17.92
1995/157 18:18:40.07 to 1995/157 18:35:47.09
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1995/157 20:04:16.49 to 1995/157 20:29:22.03
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1995/157 22:02:05.53 to 1995/157 22:49:13.17
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1995/158 04:49:22.10 to 1995/158 05:04:53.14
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1995/158 08:04:56.71 to 1995/158 09:18:06.32
1995/158 09:24:48.85 to 1995/158 10:39:17.12
1995/158 11:11:26.15 to 1995/158 12:14:51.34
1995/158 12:23:37.40 to 1995/158 12:34:24.93
1995/158 12:40:26.14 to 1995/158 13:55:34.39
1995/158 14:01:28.49 to 1995/158 15:13:59.44
1995/158 15:24:42.45 to 1995/158 16:28:59.63
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1995/158 16:57:07.29 to 1995/158 17:39:44.30
1995/158 17:48:22.37 to 1995/158 18:25:57.64
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1995/159 01:00:02.99 to 1995/159 02:12:21.87
1995/159 02:24:08.65 to 1995/159 02:34:24.11
1995/159 03:05:34.04 to 1995/159 04:20:53.19

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1995/159 06:05:06.73 to 1995/159 06:12:30.52
1995/159 06:12:30.74 to 1995/159 07:17:48.72
1995/159 07:29:37.28 to 1995/159 07:40:39.99
1995/159 07:40:40.06 to 1995/159 08:44:20.80
1995/159 08:50:10.08 to 1995/159 10:00:55.05
1995/159 10:14:42.70 to 1995/159 11:25:07.30
1995/159 12:03:44.19 to 1995/159 12:13:49.51
1995/159 12:26:27.61 to 1995/159 13:30:42.42
1995/159 21:39:43.92 to 1995/159 22:11:31.18
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1995/160 00:18:57.03 to 1995/160 01:06:10.44
1995/160 01:16:41.67 to 1995/160 01:41:06.11
1995/160 01:53:29.92 to 1995/160 02:34:40.13
1995/160 02:36:49.81 to 1995/160 03:15:34.86
1995/160 03:22:03.76 to 1995/160 04:31:32.00
1995/160 04:52:57.13 to 1995/160 06:05:34.97
1995/160 06:11:58.02 to 1995/160 06:16:49.31
1995/160 06:31:13.69 to 1995/160 07:35:39.83
1995/160 07:43:31.69 to 1995/160 07:53:58.92
1995/160 08:05:14.30 to 1995/160 08:36:08.01
1995/160 08:45:58.36 to 1995/160 09:24:00.15
1995/160 09:30:37.35 to 1995/160 10:42:33.20
1995/160 11:17:30.87 to 1995/160 11:23:32.67
1995/160 11:30:06.90 to 1995/160 12:37:35.83
1995/160 12:44:33.46 to 1995/160 13:55:05.77
1995/160 20:54:19.03 to 1995/160 22:04:16.08
1995/160 22:25:45.95 to 1995/160 23:24:56.81
1995/160 23:25:12.14 to 1995/160 23:32:16.44
1995/160 23:40:49.55 to 1995/160 23:59:56.63
1995/160 23:59:56.85 to 1995/161 00:48:58.69
1995/161 00:56:08.77 to 1995/161 01:55:30.66
1995/161 02:06:05.45 to 1995/161 03:03:45.43
1995/161 03:08:49.90 to 1995/161 03:12:03.72
1995/161 03:14:10.45 to 1995/161 03:17:46.41
1995/161 03:22:42.96 to 1995/161 04:13:19.30
1995/161 04:22:33.21 to 1995/161 05:09:23.52
1995/161 05:15:18.42 to 1995/161 05:16:36.63
1995/161 05:18:46.98 to 1995/161 05:26:33.80
1995/161 05:26:33.87 to 1995/161 05:50:27.43
1995/161 06:01:52.28 to 1995/161 06:06:50.09
1995/161 06:13:10.40 to 1995/161 06:23:24.31
1995/161 06:30:03.28 to 1995/161 06:48:47.92
1995/161 06:55:08.90 to 1995/161 07:10:36.75
1995/161 07:20:43.70 to 1995/161 07:45:56.72
1995/161 08:36:53.65 to 1995/161 09:19:20.29
1995/161 09:27:24.29 to 1995/161 10:05:17.71

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1995/161 11:05:18.93 to 1995/161 11:51:29.83
1995/161 11:59:32.42 to 1995/161 12:25:28.92
1995/161 12:32:30.49 to 1995/161 13:44:12.93
1995/161 13:50:28.50 to 1995/161 15:00:49.84
1995/161 21:21:13.17 to 1995/161 22:32:50.94
1995/161 22:38:19.71 to 1995/161 23:13:50.93
1995/161 23:13:57.15 to 1995/161 23:21:02.94
1995/161 23:21:09.16 to 1995/161 23:56:11.65
1995/162 00:00:14.80 to 1995/162 01:14:36.40
1995/162 01:24:16.08 to 1995/162 02:33:57.73
1995/162 02:45:01.25 to 1995/162 03:24:24.81
1995/162 04:00:30.92 to 1995/162 04:37:31.98
1995/162 04:44:15.10 to 1995/162 04:48:14.25
1995/162 04:48:14.47 to 1995/162 05:13:05.57
1995/162 05:25:55.75 to 1995/162 05:43:53.88
1995/162 05:52:15.36 to 1995/162 06:05:14.27
1995/162 06:13:31.31 to 1995/162 06:13:32.86
1995/162 07:03:37.65 to 1995/162 07:17:24.86
1995/162 07:25:44.26 to 1995/162 07:38:39.62
1995/162 07:43:55.94 to 1995/162 07:57:53.81
1995/162 08:08:48.75 to 1995/162 08:24:58.74
1995/162 08:34:17.10 to 1995/162 08:44:39.59
1995/162 08:57:22.66 to 1995/162 09:04:05.64
1995/162 09:21:53.84 to 1995/162 10:08:27.85
1995/162 11:04:33.18 to 1995/162 11:21:04.80
1995/162 11:33:00.17 to 1995/162 11:42:42.08
1995/162 12:00:04.51 to 1995/162 12:09:15.90
1995/162 12:14:04.97 to 1995/162 12:54:31.26
1995/162 13:09:33.93 to 1995/162 13:39:10.91
1995/162 13:43:43.10 to 1995/162 13:56:14.16
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1995/162 21:33:58.07 to 1995/162 21:40:56.45
1995/162 21:47:36.61 to 1995/162 22:19:19.21
1995/162 22:22:46.21 to 1995/162 22:52:51.93
1995/162 23:16:02.16 to 1995/162 23:25:51.18
1995/162 23:39:29.05 to 1995/162 23:51:04.12
1995/163 00:01:11.07 to 1995/163 00:11:18.45
1995/163 00:15:12.42 to 1995/163 00:25:04.10
1995/163 01:26:02.42 to 1995/163 01:57:05.02
1995/163 02:11:30.89 to 1995/163 02:21:07.76
1995/163 02:29:04.06 to 1995/163 02:38:29.08
1995/163 02:46:06.71 to 1995/163 02:53:49.45
1995/163 02:59:03.48 to 1995/163 03:26:23.89
1995/163 03:40:02.35 to 1995/163 03:49:15.23
1995/163 04:00:52.23 to 1995/163 04:42:42.66
1995/163 04:42:42.73 to 1995/163 05:01:01.82
1995/163 05:17:13.15 to 1995/163 05:51:25.05

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1995/163 06:18:52.43 to 1995/163 06:40:06.97
1995/164 23:20:51.71 to 1995/164 23:44:13.05
1995/164 23:52:24.75 to 1995/164 23:59:55.94
1995/164 23:59:56.02 to 1995/165 00:15:21.50
1995/165 00:22:05.81 to 1995/165 00:41:06.15
1995/165 00:51:17.24 to 1995/165 00:58:21.84
1995/165 01:40:50.40 to 1995/165 01:56:42.92
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1995/165 02:26:51.46 to 1995/165 02:35:30.26
1995/308 04:01:17.91 to 1995/308 04:31:49.68
1995/308 04:39:52.49 to 1995/308 04:42:37.87
1995/308 04:54:18.42 to 1995/308 04:55:44.40
1995/308 05:01:00.13 to 1995/308 05:02:48.93
1995/308 05:16:10.79 to 1995/308 05:34:25.50
1995/308 05:51:24.82 to 1995/308 06:03:03.07
1995/308 06:11:31.13 to 1995/308 06:22:54.65
1995/308 07:17:08.26 to 1995/308 07:36:34.58
1995/315 05:57:17.41 to 1995/315 05:59:34.05
1995/315 06:07:16.43 to 1995/315 06:09:34.56
1995/315 06:14:33.11 to 1995/315 06:18:22.48
1995/315 06:23:18.36 to 1995/315 06:25:44.78
1995/315 06:45:32.69 to 1995/315 06:46:58.38
1995/315 06:55:15.71 to 1995/315 06:56:00.52
1995/315 07:05:10.59 to 1995/315 07:06:03.39
1995/315 07:11:11.72 to 1995/315 07:12:41.26
1995/315 07:18:45.28 to 1995/315 07:19:47.86
1995/315 07:29:06.53 to 1995/315 07:30:06.44
1995/315 07:43:58.24 to 1995/315 07:45:04.38
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1995/315 09:31:57.29 to 1995/315 09:33:14.10
1995/315 09:42:28.61 to 1995/315 09:44:12.37
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1995/315 16:21:49.41 to 1995/315 16:22:47.25
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