



# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-0095 ALPINE; HUDSON RIVER NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	3/76 TO 11/76
TIDAL EPOCH	=	1966-1984 <a href="#">1983-2001</a>
CONTROL STATION	=	851-8750 THE BATTERY N.Y.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.24 FEET
MEAN HIGH WATER (MHW)	=	3.98 FEET
MEAN TIDE LEVEL (MTL)	=	2.09 FEET
NGVD 1929*	=	1.28 FEET
MEAN LOW WATER (MLW)	=	0.20 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

\*NGVD IS BASED ON ELEVATIONS PUBLISHED IN QUAD 400734, 4/74 AND NOS LEVELING OF 1/12/76

## BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID #	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-0095A 1975		9.75	5.77
853-0095B 1975		10.31	6.33
NO. 1 1932	<a href="#">KU1630</a>	9.22	5.24
NO. 2 1932	<a href="#">KU1631</a>	10.78	6.80
NO. 3 1932	<a href="#">KU1632</a>	25.08	21.10

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-0186 NEW MILFORD, HACKENSACK RIVER NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	1 MONTH
TIME PERIOD	=	76/11 TO 76/11
TIDAL EPOCH	=	1966-1984 <a href="#">1983-2001</a> NOAA
CONTROL STATION	=	853-0278 HACKENSACK, HACKENSACK RIVER NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.10 FEET
MEAN HIGH WATER (MHW)	=	4.80 FEET
MEAN TIDE LEVEL (MTL)	=	2.44 FEET
MEAN LOW WATER (MLW)	=	0.08 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-0186A 1976	8.93	4.13
853-0186B 1976	12.04	7.24
853-0186C 1976	12.11	7.31
853-0186D 1976	11.60	6.80
853-0186E 1976	13.23	8.43

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-0278 HACKENSACK, HACKENSACK RIVER NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	76/10 TO 77/9
TIDAL EPOCH	=	1966 – 1984 <a href="#">1983-2001</a> NOAA )
CONTROL STATION	=	851-8750 THE BATTERY N.Y.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	6.43 FEET
MEAN HIGH WATER (MHW)	=	6.12 FEET
MEAN TIDE LEVEL (MTL)	=	3.19 FEET
NGVD 1929*	=	2.55 FEET
MEAN LOW WATER (MLW)	=	0.27 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

\*NGVD IS BASED ON ELEVATIONS PUBLISHED IN QUAD 400741, 12/82 AND NOS LEVELING OF 9/13/1977

## BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	PID #	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-0278A 1976		12.29	6.17
853-0278B 1976	<a href="#">AI8456</a>	11.75	5.63
853-0278C 1976	<a href="#">AI8457</a>	18.27	12.15
6840	<a href="#">KV0493</a>	27.06	20.94
800	<a href="#">KV0492</a>	23.81	17.69

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-0345 GARFIELD, PASSAIC RIVER NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTHS
TIME PERIOD	=	76/8 TO 76/10
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853-0403 EAST RUTHERFORD, PASSAIC RIVER N.J.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN HIGH WATER (MHW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.36 FEET
MEAN HIGH WATER (MHW)	=	0.00 FEET
MEAN TIDE LEVEL (MTL)	=	

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>
853-0345A 1976	<u>MHW</u> 2.15
853-0345B 1976	7.17
853-0345C 1976	18.35
853-0345D 1976	16.19
9828	19.65

TIDAL DATUMS AND BENCHMARK ELEVATION SHEET  
853-0398 RIDGEFIELD PARK, HACKENSACK RIVER NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	8 MONTHS
TIME PERIOD	=	76/3 TO 76/10
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	851-8750 THE BATTERY N.Y.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN HIGH WATER (MHW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.28 FEET
MEAN HIGH WATER (MHW)	=	0.00 FEET

NO NGVD AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE <u>MHW</u>
853-0398A 1975		5.06
853-0398B 1975		4.03
853-0398C 1975		11.59
853-0398D 1975		13.24
853-0398E 1975		16.88
G41 1956	<a href="#">KV0508</a>	36.99

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-0403 EAST RUTHERFORD, PASSAIC RIVER NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	76/3 TO 76/11
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	851-8750 THE BATTERY N.Y.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	6.29 FEET
MEAN HIGH WATER (MHW)	=	5.95 FEET
MEAN TIDE LEVEL (MTL)	=	3.10 FEET
MEAN LOW WATER (MLW)	=	0.25 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-0403A 1975	12.38	6.43
853-0403B 1975	13.32	7.37
853-0403C 1975	16.70	10.75
853-0403D 1975	12.45	6.50
NO. 2 1973	16.47	10.52
NO. 5 1973	13.13	7.18

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-0505 EDGEWATER NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	76/3 TO 73/11
TIDAL EPOCH	=	1966-1984 <a href="#">1960-1978 NOAA</a>
CONTROL STATION	=	851-8750 THE BATTERY N.Y.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.73 FEET
MEAN HIGH WATER (MHW)	=	4.46 FEET
MEAN TIDE LEVEL (MTL)	=	2.33 FEET
MEAN LOW WATER (MLW)	=	0.21 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	PID #	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-0505A 1975		11.00	6.54
853-0505B 1975		18.72	14.26
853-0505C 1975		20.68	16.22
853-0505D 1975		20.94	16.48
A 40 1956	<a href="#">KU1652</a>	10.75	6.29
1240	<a href="#">KU1651</a>	13.12	8.66



# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-0528, CARLSTADT NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	4 MONTHS
TIME PERIOD	=	78/3 TO 78/7
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	851- 8750 THE BATTERY N.Y.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN HIGH WATER (MHW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.03 FEET
MEAN HIGH WATER (MHW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>
U.S.H.L. MON. H.K. 34 1963	<u>MHW</u> 6.31
853-0528B 1976	3.77
853-0528C 1977	1.60
853-0528D 1977	1.83
853-0528E 1978	25.42

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-0531 NORTH SECAUCUS, HACKENSACK RIVER, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	10 MONTHS
TIME PERIOD	=	2/80 TO 12/80
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	851-8750 THE BATTERY N.Y.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	6.18 FEET
MEAN HIGH WATER (MHW)	=	5.87 FEET
MEAN TIDE LEVEL (MTL)	=	3.06 FEET
MEAN LOW WATER (MLW)	=	0.25 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-0531B 1977	7.47	1.60
853-0531C 1977	7.19	1.32
853-0576B 1976	12.46	6.59
853-0576C 1976	12.68	6.81

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-0538 CROMAKILL CREEK NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	9/76 TO 8/77
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	851-8750 THE BATTERY N.Y.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN HIGH WATER (MHW) ARE AS FOLLOWS

MEAN HIGHER HIGH WATER (MHHW)	=	0.29 FEET
MEAN HIGH WATER (MHW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-0538A 1976		6.31
853-0538C 1976		4.10
853-0538D 1976		7.90
853-0538E 1976		3.50
853-0538F 1976		4.96

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-0576 MILL CREEK, HACKENSACK RIVER, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	1 MONTH
TIME PERIOD	=	11/76 TO 11/76
TIDAL EPOCH	=	1966-1984 <a href="#">1960-1978 NOAA</a>
CONTROL STATION	=	851-8750 THE BATTERY N.Y.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN HIGH (MHW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.28 FEET
MEAN HIGH WATER (MHW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

## BENCHMARK STAMPING

853-0576A 1976  
853-0576B 1976  
853-0576C 1976  
853-0576D 1976  
853-0576E 1976

## ELEVATION IN FEET ABOVE

<u>MLLW</u>	<u>MHW</u>
	5.62
	6.52
	6.74
	10.85
	7.04

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-0586 BERRYS CREEK #8 NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	9/76 – 8/77
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	851-8750 THE BATTERY NY.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.87 FEET
MEAN HIGH WATER (MHW)	=	5.57 FEET
MEAN TIDE LEVEL (MTL)	=	2.90 FEET
MEAN LOW WATER (MLW)	=	0.22 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-0586A 1976	12.33	6.76
853-0586B 1976	10.03	4.46
853-0586C 1976	9.55	3.98
853-0586D 1976	13.62	8.05
853-0586E 1976	14.61	9.04

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-0591 BELLEVILLE, PASSAIC RIVER, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	7 MONTHS
TIME PERIOD	=	7/76 TO 6/77
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	851-8750 THE BATTERY N.Y.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	6.08 FEET
MEAN HIGH WATER (MHW)	=	5.75 FEET
MEAN TIDE LEVEL (MTL)	=	3.00 FEET
NGVD 1929*	=	2.19 FEET
MEAN LOW WATER (MLW)	=	0.24 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NGVD IS BASED ON ELEVATIONS PUBLISHED IN QUAD 400741, 12/82, AND NOS LEVELING OF 7/8/77

## BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	PID #	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-0591A 1975		24.70	18.95
853-0591B 1975		30.81	25.06
853-0591C 1975		31.51	25.76
853-0591D 1976		19.66	13.91
853-0591E 1976		13.08	7.33
NO. 1253		12.30	6.55
W 11 1933	<a href="#">KV0112</a>	50.95	45.20
X 11 1933	<a href="#">KV0114</a>	19.91	14.16

TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-0645 UNION CITY, HUDSON RIVER, NJ.

[1960-1978 NOAA](#)

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-0696 BELLEVILLE TPK. HACKENSACK RIVER NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	3/76 TO 11/76
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	851-8750 THE BATTERY NY

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.85 FEET
MEAN HIGH WATER (MHW)	=	5.54 FEET
MEAN TIDE LEVEL (MTL)	=	2.89 FEET
MEAN LOW WATER (MLW)	=	0.24 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-0696A 1975	12.92	7.38
853-0696B 1975	7.33	1.79
853-0696C 1976	7.88	2.34
853-0696D 1976	6.53	0.99
853-0696E 1976		



# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-0743 POINT NO POINT, PASSAIC RIVER NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	11 MONTHS
TIME PERIOD	=	76/1 TO 76/11
TIDAL EPOCH	=	1966 – 1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	851-8750 THE BATTERY N.Y.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.81 FEET
MEAN HIGH WATER (MHW)	=	5.49 FEET
MEAN TIDE LEVEL (MTL)	=	2.86 FEET
NGVD 1929*	=	2.04 FEET
MEAN LOW WATER (MLW)	=	0.23 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

\*NGVD IS BASED ON ELEVATIONS PUBLISHED IN QUAD 400741, 12/82, AND NOS LEVELING OF 12/28/76

## BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-0743A 1975		11.08	5.59
853-0743A 1975		9.67	4.18
853-0743A 1975		10.77	5.28
853-0743A 1975		11.97	6.48
NO. 4 1953	<a href="#">KV0266</a>	20.93	15.44
C 72 1965	<a href="#">KV0265</a>	14.72	9.23

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-0772 KEARNY POINT, HACKENSACK RIVER NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	76/ 3 TO 76//11
TIDAL EPOCH	=	1966 – 1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	851-8750 THE BATTERY N.Y.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.78 FEET
MEAN HIGH WATER (MHW)	=	5.46 FEET
MEAN TIDE LEVEL (MTL)	=	2.85 FEET
NGVD 1929*	=	2.08 FEET
MEAN LOW WATER (MLW)	=	0.24 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

\*NGVD IS BASED ON ELEVATIONS PUBLISHED IN QUAD 400741, 2/82 AND NOS LEVELING OF 3/3/76

## BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-0772A 1976		8.33	2.87
853-0772B 1976		10.05	4.59
853-0772C 1976		10.60	5.14
W 16 1934	<a href="#">KV0269</a>	20.22	14.76

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-0882 PORT ELIZABETH, NEWARK BAY NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	36 MONTHS
TIME PERIOD	=	79/1 TO 81/12
TIDAL EPOCH	=	1966 – 1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	851-8750 THE BATTERY N.Y.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.66 FEET
MEAN HIGH WATER (MHW)	=	5.33 FEET
MEAN TIDE LEVEL (MTL)	=	2.78 FEET
MEAN LOW WATER (MLW)	=	0.23 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-0882A 1976	11.66	6.33
853-0882B 1976	16.72	11.39
853-0882C 1976	13.57	8.24
853-0882D 1976	13.91	8.58
853-0882E 1976	13.88	8.55

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-0985 CONSTABLE HOOK, UPPER BAY, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	76/3 TO 76/11
TIDAL EPOCH	=	1966 – 1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	851-8750 THE BATTERY N.Y.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.19 FEET
MEAN HIGH WATER (MHW)	=	4.86 FEET
MEAN TIDE LEVEL (MTL)	=	2.54 FEET
NGVD 1929*	=	1.80 FEET
MEAN LOW WATER (MLW)	=	0.22 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

\*NGVD IS BASED ON ELEVATIONS PUBLISHED IN QUAD 400471, 12/82, AND NOS LEVELING OF 5/19/80

## BENCH MARK ELEVATION INFORMATION

### ELEVATION IN FEET ABOVE

<u>BENCHMARK STAMPING</u>	<u>NGS PID #</u>	<u>MLLW</u>	<u>MHW</u>
NO. 3 1932	<a href="#">KV0609</a>	11.63	6.77
NO. 4 1949	<a href="#">KV0610</a>	11.65	6.79
NO. 5 1949	<a href="#">KV0613</a>	11.05	6.19
NO. 6 1951	<a href="#">KV0611</a>	10.59	5.73
NO STAMPING 1		10.14	5.28
853-0985F 1976		10.48	5.62
853-0985I 1976		10.81	5.95

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-1077 RAHWAY RIVER #1 NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	76/3 TO 76/11
TIDAL EPOCH	=	1966 – 1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	853-1680 SANDY HOOK NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.91 FEET
MEAN HIGH WATER (MHW)	=	5.56 FEET
NGVD 1929*	=	2.90 FEET
MEAN LOW WATER (MLW)	=	0.23 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-1077A 1975	16.08	10.52
853-1077B 1975	16.56	11.00
853-1077C 1975	15.65	10.09
853-1077D 1975	13.69	8.13
853-1077E 1975	26.26	20.70

TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-1142 PORT READING, ARTHUR KILL RIVER, NJ.

[1983-2001](#)

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-1156 WOODBRIDGE CREEK #1 NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	11 MONTHS
TIME PERIOD	=	76/1 TO 76/11
TIDAL EPOCH	=	1966 – 1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	853-1680 SANDY HOOK NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.68 FEET
MEAN HIGH WATER (MHW)	=	5.37 FEET
MEAN TIDE LEVEL (MTL)	=	2.78 FEET
MEAN LOW WATER (MLW)	=	0.20 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	PID #	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-1156A 1975		14.99	9.62
853-1156B 1975		18.48	13.11
853-1156C 1975		15.01	9.64
853-1156D 1975		26.13	20.76
853-1156E 1975		35.01	29.64
D 37 1952	<a href="#">KV0199</a>	42.37	37.00

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-1223 CHEESEQUAKE CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	10 MONTHS
TIME PERIOD	=	76/2 TO 76/11
TIDAL EPOCH	=	1966 – 1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	853-1680 SANDY HOOK NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.63 FEET
MEAN HIGH WATER (MHW)	=	5.31 FEET
MEAN TIDE LEVEL (MTL)	=	2.77 FEET
MEAN LOW WATER (MLW)	=	0.23 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-1223A 1975	16.64	11.33
853-1223B 1975	35.01	29.70
853-1223C 1975	55.72	50.41
853-1223D 1975	64.94	59.63
853-1223E 1975	68.09	62.78



# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-1232 SOUTH AMBOY NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	3/76 TO 11/76
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853-1680 SANDY HOOK NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.67 FEET
MEAN HIGH WATER (MHW)	=	5.33 FEET
MEAN TIDE LEVEL (MTL)	=	2.78 FEET
NGVD 1929*	=	2.04 FEET
MEAN LOW WATER (MLW)	=	0.22 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NGVD IS BASED ON ELEVATIONS PUBLISHED IN QUAD400742, 1/83, AND NOS LEVELING OF 8/12/76

## BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-1232A 1976		11.19	5.86
853-1232B 1976	<a href="#">KV3518</a>	12.07	6.74
NO. 1 1934	<a href="#">KV0787</a>	12.66	7.33
NO. 3 1934	<a href="#">KV0784</a>	12.81	7.48
W 70 1964	<a href="#">KV0783</a>	13.11	7.78
Q 73 1974	<a href="#">KV0791</a>	14.89	9.56

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-1262 KEASBEY, RARITAN RIVER, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	8 MONTHS
TIME PERIOD	=	76/4 TO 76/11
TIDAL EPOCH	=	1966 – 1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	853-1680 SANDY HOOK NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.74 FEET
MEAN HIGH WATER (MHW)	=	5.40 FEET
MEAN TIDE LEVEL (MTL)	=	2.81 FEET
MEAN LOW WATER (MLW)	=	0.22 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-1262A 1976	13.11	7.71
853-1262B 1976	15.42	10.02
853-1262C 1976	20.85	15.45
853-1262D 1976	39.04	33.64
853-1262E 1976	44.90	39.50

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-1369 NORTH OLD BRIDGE, SOUTH RIVER, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	76/3 TO 76/11
TIDAL EPOCH	=	1966 – 1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	851-8750 THE BATTERY N.Y.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	6.20 FEET
MEAN HIGH WATER (MHW)	=	5.86 FEET
MEAN TIDE LEVEL (MTL)	=	3.05 FEET
MEAN LOW WATER (MLW)	=	0.23 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	PID #	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-1369A 1975		9.15	3.29
853-1369B 1975		13.44	7.58
853-1369C 1975		12.45	6.59
853-1369D 1975		14.32	8.46
H 73 1974	<a href="#">KV0965</a>	13.36	7.50
J 73 1974	<a href="#">KV0966</a>	26.63	20.77

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-1390 SAYREVILLE, RARITAN RIVER NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	10 MONTHS
TIME PERIOD	=	76/4 TO 77/3
TIDAL EPOCH	=	1966 – 1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	853-1680 SANDY HOOK NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.96 FEET
MEAN HIGH WATER (MHW)	=	5.62 FEET
MEAN TIDE LEVEL (MTL)	=	2.93 FEET
MEAN LOW WATER (MLW)	=	0.23 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-1390A 1976		11.08	5.46
853-1390B 1976		10.99	5.37
853-1390C 1976		9.71	4.09
853-1390D 1976		9.49	3.87
NO. 1	<a href="#">KV5397</a>	12.37	6.75
N 53 1961	<a href="#">KV0923</a>	15.54	9.92

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-1463 NEW BRUNSWICK, RARITAN RIVER NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	76/3 TO 76/11
TIDAL EPOCH	=	1966 – 1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	853-1680 SANDY HOOK NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	6.24 FEET
MEAN HIGH WATER (MHW)	=	5.90 FEET
MEAN TIDE LEVEL (MTL)	=	3.06 FEET
MEAN LOW WATER (MLW)	=	0.23 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	PID #	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-1463A 1975		27.16	21.26
853-1463A 1975		33.88	27.98
853-1463A 1975		40.82	34.92
NO. 1	<a href="#">KV0936</a>	8.92	3.02
NO. 2	<a href="#">KV0937</a>	8.95	3.05
CANAL 1932	<a href="#">KV0935</a>	8.97	3.07

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-1526 MATAWAN CREEK, RARITAN BAY NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	1 MONTH
TIME PERIOD	=	3/77 TO 3/77
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	852-1545 KEYPORT RARITAN BAY NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.62 FEET
MEAN HIGH WATER (MHW)	=	5.27 FEET
MEAN TIDE LEVEL (MTL)	=	2.76 FEET
NGVD 1929*	=	1.82 FEET
MEAN LOW WATER (MLW)	=	0.25 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NGVD IS BASED ON ELEVATIONS PUBLISHED IN QUAD 400742, 1/83, AND NOS LEVELING OF 11/2/76.

## BENCHMARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>		
	<u>NGS PID#</u>	<u>MLLW</u>	<u>MHW</u>
853-1526A 1976		6.13	0.86
853-1526B 1976	<a href="#">KV3514</a>	25.07	19.80
853-1526C 1976		12.58	7.31
853-1526D 1976		14.81	9.54
U 36 1952	<a href="#">KV0765</a>	24.72	19.45

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-1545 KEYPORT, RARITAN BAY, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	76/3 TO 76/11
TIDAL EPOCH	=	1966 – 1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	853-1680 SANDY HOOK NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.57 FEET
MEAN HIGH WATER (MHW)	=	5.23 FEET
MEAN TIDE LEVEL (MTL)	=	2.72 FEET
NGVD 1929*	=	1.92 FEET
MEAN LOW WATER (MLW)	=	0.21 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

\*NGVD IS BASED ON ELEVATIONS PUBLISHED IN QUAD 400742, 1/83, AND NOS LEVELING OF4/13/77

## BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-1545A 1975		24.78	19.55
853-1545B 1975	<a href="#">AI8467</a>	18.31	13.08
853-1545C 1975	<a href="#">AI8468</a>	10.71	5.48
U 53 1961	<a href="#">KV0756</a>	20.45	15.22
NO. 2 1934	<a href="#">KV0754</a>	20.34	15.11
P 36 1965	<a href="#">KV0748</a>	12.27	7.04

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-1591 PEWS CREEK, SANDY HOOK BAY, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	1 MONTH
TIME PERIOD	=	77/3 TO 77/3
TIDAL EPOCH	=	1966 – 1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	853-1545 KEYPORT, RARITAN BAY NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN HIGH (MHW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.33 FEET
MEAN HIGH WATER (MHW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	ELEVATION IN FEET ABOVE
	<u>MHW</u>
853-1591A 1976	5.04
853-1591B 1976	1.09
853-1591C 1976	2.59
853-1591D 1976	2.70
853-1591E 1976	2.96



# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-1592 WAACKAACK CREEK, RARITAN BAY, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTHS
TIME PERIOD	=	77/3 TO 77/5
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	853-1545 KEYPORT RARITAN BAY, NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.12 FEET
MEAN HIGH WATER (MHW)	=	4.79 FEET
MEAN TIDE LEVEL (MTL)	=	2.47 FEET
MEAN LOW WATER (MLW)	=	0.16 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

\*NGVD IS BASED ON ELEVATIONS PUBLISHED IN QUAD, AND NOS LEVELING OF  
BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-1592A 1976		7.18	2.39
853-1592B 1976		11.27	6.48
NO. 5 1934	<a href="#">KV0735</a>	11.50	6.71
NO. 4 1943 RESET 1952	<a href="#">KV0736</a>	9.94	5.15
U 70 1964	<a href="#">KV0734</a>	10.19	5.40

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-1630 COMPTON CREEK, SANDY HOOK BAY, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	1 MONTH
TIME PERIOD	=	77/3 TO 77/3
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	853-1545 KEYPORT RARITAN BAY NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.33 FEET
MEAN HIGH WATER (MHW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-1630A 1976		7.28
853-1630B 1976		4.64
853-1630C 1976		6.61
853-1630D 1976		4.17
853-1630E 1976		7.06

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-1662 ATLANTIC HIGHLANDS, SANDY HOOK NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	2 MONTHS
TIME PERIOD	=	77/3 TO 77/6
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	853-1545 KEYPORT, RARITAN BAY, NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.27 FEET
MEAN HIGH WATER (MHW)	=	4.93 FEET
MEAN TIDE LEVEL (MTL)	=	2.57 FEET
MEAN LOW WATER (MLW)	=	0.20 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-1662A 1976	<a href="#">KV6238</a>	11.05	6.12
853-1662B 1976	<a href="#">KV6239</a>	16.68	11.75
853-1662C 1976	<a href="#">KV6240</a>	16.11	11.18
853-1662D 1976	<a href="#">KV6241</a>	18.84	13.91
H1 1914 13.658	<a href="#">KV0724</a>	15.41	10.48

TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-1680 SANDY HOOK NJ.

NOAA  
[1983-2001](#)

TIDAL DATUMS AND BENCHMARK ELEVATION SHEET  
 853-1712 HIGHLANDS BRIDGE, SHREWSBURY RIVER, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	8 MONTHS
TIME PERIOD	=	76/3 TO 76/11
TIDAL EPOCH	=	1966 – 1984 <a href="#">1960-1978 NOAA</a>
CONTROL STATION	=	853-1680 SANDY HOOK NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.69 FEET
MEAN HIGH WATER (MHW)	=	4.38 FEET
MEAN TIDE LEVEL (MTL)	=	2.28 FEET
NGVD 1929*	=	1.52 FEET
MEAN LOW WATER (MLW)	=	0.18 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

\*NGVD IS BASED ON ELEVATIONS PUBLISHED IN QUAD 400733, 7/74, AND NOS LEVELING OF 9/28/76

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	ELEVATION IN FEET ABOVE		
	NGS PID#	<u>MLLW</u>	<u>MHW</u>
853-1712A 1976		13.94	9.56
853-1712B 1976		8.88	4.50
853-1712C 1976			
NO. 6 1934	<a href="#">KU0845</a>	14.24	9.86
6267	<a href="#">KU0846</a>	46.78	42.40

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-1753 OCEANIC, NAVESINK RIVER, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	10 MONTHS
TIME PERIOD	=	76/3 TO 76/12
TIDAL EPOCH	=	1966 – 1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	853-1680 SANDY HOOK NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	3.81 FEET
MEAN HIGH WATER (MHW)	=	3.53 FEET
MEAN TIDE LEVEL (MTL)	=	1.82 FEET
MEAN LOW WATER (MLW)	=	0.11 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-1753A 1976		11.69	8.16
853-1753B 1976		15.46	11.93
853-1753C 1976		26.79	23.26
15265	<a href="#">KV0874</a>	33.64	30.11
NO. 1 1934	<a href="#">KU0856</a>	7.81	4.28
NO. 3 1934	<a href="#">KV0873</a>	14.11	10.58

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-1804 SEABRIGHT, SHREWSBURY RIVER, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	10 MONTHS
TIME PERIOD	=	76/3 TO 76/12
TIDAL EPOCH	=	1966 – 1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	851-8750 THE BATTERY N.Y.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	3.59 FEET
MEAN HIGH WATER (MHW)	=	3.31 FEET
MEAN TIDE LEVEL (MTL)	=	1.74 FEET
MEAN LOW WATER (MLW)	=	0.16 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-1804A 1976		7.36	4.05
853-1804B 1976		6.77	3.46
853-1804C 1976	<a href="#">AI8472</a>	8.27	4.96
853-1804D 1976	<a href="#">AI8471</a>	5.86	2.55
J 5 RESET 1950	<a href="#">KU0784</a>	15.42	12.11

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-1833 RED BANK, NAVESINK RIVER, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	11 MONTHS
TIME PERIOD	=	76/3 TO 77/2
TIDAL EPOCH	=	1966 – 1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	853-1680 SANDY HOOK NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	3.93 FEET
MEAN HIGH WATER (MHW)	=	3.62 FEET
MEAN TIDE LEVEL (MTL)	=	1.87 FEET
NGVD 1929*	=	0.80 FEET
MEAN LOW WATER (MLW)	=	0.12 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

\*NGVD IS BASED ON ELEVATIONS PUBLISHED IN QUAD 400742, 1/83, AND NOS LEVELING OF 9/23/76

## BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-1833A 1976		7.21	3.59
853-1833B 1976		19.54	15.92
853-1833C 1976		37.33	33.71
NO. 3 1934	<a href="#">KV0878</a>	32.96	29.34



# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

## 853-1925 GOOSENECK BRIDGE, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	8 MONTHS
TIME PERIOD	=	76/4 TO 76/11
TIDAL EPOCH	=	1966 – 1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	853-1680 SANDY HOOK NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	2.98 FEET
MEAN HIGH WATER (MHW)	=	2.73 FEET
MEAN TIDE LEVEL (MTL)	=	1.44 FEET
MEAN LOW WATER (MLW)	=	0.15 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

### BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-1925D 1976		5.41	2.68
853-1925E 1976		5.37	2.64
853-1925F 1976		4.40	1.67
853-1925G 1976		16.03	13.30
853-1925H 1976		8.02	5.29
BLUFF 1934	<a href="#">KV0895</a>	9.78	7.05
NJC&N NO. 1		6.24	3.51

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-1942 LONG BRANCH, INSIDE, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	8 MONTHS
TIME PERIOD	=	76/5 TO 77/4
TIDAL EPOCH	=	1966 – 1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	853-1680 SANDY HOOK NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	2.95 FEET
MEAN HIGH WATER (MHW)	=	2.70 FEET
MEAN TIDE LEVEL (MTL)	=	1.41 FEET
MEAN LOW WATER (MLW)	=	0.13 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-1942A 1976	5.38	2.68
853-1942B 1976	8.34	5.64
853-1942C 1976	9.42	6.72
853-1942D 1976	10.01	7.31
853-1942E 1976	8.84	6.14

TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-1991 LONG BRANCH FISHING PIER NJ.

[1983-2001](#)

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-2322 SHARK RIVER HILLS, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	12 MONTHS
TIME PERIOD	=	76/4 TO
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	853-1680 SANDY HOOK NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.95 FEET
MEAN HIGH WATER (MHW)	=	4.59 FEET
MEAN TIDE LEVEL (MTL)	=	2.39 FEET
MEAN LOW WATER (MLW)	=	0.18 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-2322A 1976		8.59	4.00
853-2322B 1976		6.77	2.18
853-2322C 1976		7.47	2.88
853-2322D 1976	<a href="#">AA5232</a>	9.86	5.27
853-2322E 1976		7.34	2.75

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-2337 BELMAR OUTSIDE NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	6 MONTHS
TIME PERIOD	=	3/77 TO 8/77
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853-1680 SANDY HOOK NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.95 FEET
MEAN HIGH WATER (MHW)	=	4.61 FEET
MEAN TIDE LEVEL (MTL)	=	2.38 FEET
MEAN LOW WATER (MLW)	=	0.16 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-2337A 1976	<a href="#">KV6254</a>	17.87	13.26
853-2337B 1976	<a href="#">KV6255</a>	15.11	10.50
853-2337C 1976	<a href="#">KV6256</a>	14.42	9.81
BELMAR 1962	<a href="#">KV0806</a>	17.27	12.66
BELMAR NO. 1 1962	<a href="#">KV0805</a>	16.45	11.84

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-2339 AVON, SHARK RIVER NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	11 MONTHS
TIME PERIOD	=	9/76 TO 7/77
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853-1680 SNADY HOOK NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.83 FEET
MEAN HIGH WATER (MHW)	=	4.49 FEET
MEAN TIDE LEVEL (MTL)	=	2.32 FEET
MEAN LOW WATER (MLW)	=	0.16 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-2339A 1976	<a href="#">KV6260</a>	8.37	3.88
853-2339B 1976		17.77	13.28
853-2339C 1976	<a href="#">KV6259</a>	21.55	17.06
853-2339D 1976	<a href="#">KV6257</a>	14.43	9.94
L 54 1961	<a href="#">KV0803</a>	15.48	10.99
IN NO. 2 1933	<a href="#">KV0812</a>	21.51	17.02
IN 1933	<a href="#">KV0811</a>	18.81	14.32
IN NO. 1 1933	<a href="#">KV0810</a>	18.68	14.19

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-2371 WALL TOWNSHIP, SHARK RIVER NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	7 MONTHS
TIME PERIOD	=	5/76 TO 11/76
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853-1680 SANDY HOOK NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.98 FEET
MEAN HIGH WATER (MHW)	=	4.62 FEET
MEAN TIDE LEVEL (MTL)	=	2.41 FEET
MEAN LOW WATER (MLW)	=	0.21 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-2371A 1976	<a href="#">KV6268</a>	17.25	12.63
853-2371B 1976	<a href="#">KV6267</a>	21.18	16.56
853-2371C 1976	<a href="#">KV6266</a>	9.70	5.08
853-2371D 1976	<a href="#">KV6264</a>	20.16	15.54
853-2371E 1976	<a href="#">KV6265</a>	25.03	20.41

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-2585 POINT PLEASANT BEACH, MANASQUAN RIVER, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	10 MONTHS
TIME PERIOD	=	76/3 TO 76/12
TIDAL EPOCH	=	1966 – 1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	853-1680 SANDY HOOK NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.37 FEET
MEAN HIGH WATER (MHW)	=	4.03 FEET
MEAN TIDE LEVEL (MTL)	=	2.10 FEET
MEAN LOW WATER (MLW)	=	0.17 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-2585A 1976	<a href="#">AI8477</a>	8.69	4.66
853-2585B 1976	<a href="#">AI8478</a>	10.95	6.92
853-2585C 1976	<a href="#">AI8479</a>	12.60	8.57
853-2585D 1976	<a href="#">AI8481</a>	26.01	21.98
9226B	<a href="#">AI8475</a>	43.06	39.03
NJGC 9226A	<a href="#">AI8474</a>	20.39	16.36



# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-2591 MANASQUAN INLET NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	24 MONTHS
TIME PERIOD	=	82/10 TO 84/9
TIDAL EPOCH	=	1966 – 1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	853-1680 SANDY HOOK NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.53 FEET
MEAN HIGH WATER (MHW)	=	4.19 FEET
MEAN TIDE LEVEL (MTL)	=	2.19 FEET
NGVD 1929*	=	1.36 FEET
MEAN LOW WATER (MLW)	=	0.19 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

\*NGVD IS BASED ON ELEVATIONS PUBLISHED IN QUAD 400742, 1/83, AND NOS LEVELING OF 11/30/84

## BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
NO. 4 1936	<a href="#">KV0832</a>	9.42	5.23
NO. 5 1936	<a href="#">KV0836</a>	10.61	6.42
MAN 1962	<a href="#">KV0835</a>	9.54	5.35
MAN NO. 1 1962	<a href="#">KV0834</a>	9.04	4.85
M 54 RESET 1976	<a href="#">KV3525</a>	10.96	6.77

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-2611 RIVIERA BEACH, MANASQUAN RIVER, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	8 MONTHS
TIME PERIOD	=	76/4 TO 76/11
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	853-1680 SANDY HOOK NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	3.85 FEET
MEAN HIGH WATER (MHW)	=	3.52 FEET
MEAN TIDE LEVEL (MTL)	=	1.83 FEET
MEAN LOW WATER (MLW)	=	0.13 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-2611A 1976	12.20	8.68
853-2611B 1976	20.82	17.30
853-2611C 1976	16.41	12.89
853-2611D 1976	17.50	13.98
853-2611E 1976	21.47	17.95

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-2703 FORGE POND, METEDECONK RIVER, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	2 MONTHS
TIME PERIOD	=	76/11 TO 76/12
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	853-2721 TALL PINES CAMP, METEDECONK RIVER, NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.54 FEET
MEAN HIGH WATER (MHW)	=	0.38 FEET
MEAN TIDE LEVEL (MTL)	=	0.23 FEET
MEAN LOW WATER (MLW)	=	0.07 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-2703A 1976	4.91	4.53
853-2703B 1976	7.64	7.26
853-2703C 1976	8.73	8.35
853-2703D 1976	11.21	10.83
853-2703E 1976	9.15	8.77

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-2715 BEAVER DAM CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	76/5 TO 77/4
TIDAL EPOCH	=	1966 – 1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES, FT. MILES DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.53 FEET
MEAN HIGH WATER (MHW)	=	0.38 FEET
MEAN TIDE LEVEL (MTL)	=	0.23 FEET
MEAN LOW WATER (MLW)	=	0.09 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-2715A 1976	2.06	1.68
853-2715B 1976	2.78	2.40
853-2715C 1976	2.26	1.88
853-2715D 1976	3.02	2.64
853-2715E 1976	2.98	2.60

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-2716 BEAVER DAM CREEK, INSIDE, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	4 MONTHS
TIME PERIOD	=	77/4 TO 77/7
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	855.7380 LEWES, FT. MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.50 FEET
MEAN HIGH WATER (MHW)	=	0.38 FEET
MEAN TIDE LEVEL (MTL)	=	0.24 FEET
MEAN LOW WATER (MLW)	=	0.09 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-2716A 1976	4.56	4.18
853-2716B 1976	3.40	3.02
853-2716C 1976	4.27	3.89
853-2716D 1976	5.70	5.32
853-2716E 1976	7.25	6.87

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-2721 TALL PINES CAMP, METEDECONK RIVER, N.J.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	10 MONTHS
TIME PERIOD	=	76/6 TO 77/5
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	853-7380 LEWES, FT. MILES DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.53 FEET
MEAN HIGH WATER (MHW)	=	0.37 FEET
MEAN TIDE LEVEL (MTL)	=	0.22 FEET
MEAN LOW WATER (MLW)	=	0.07 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-2721D 1976		7.28	6.91
853-2721E 1976		6.90	6.53
853-2721F 1976		8.36	7.99
853-2721G 1976		15.38	15.01
NO. 5 RESET 1973	<a href="#">KV0848</a>	20.10	19.73

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-2786 MANTOLOKING, BARNEGAT BAY NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	15 MONTHS
TIME PERIOD	=	76/4 TO 77/6
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	853-1680 SANDY HOOK NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.56 FEET
MEAN HIGH WATER (MHW)	=	0.43 FEET
MEAN TIDE LEVEL (MTL)	=	0.26 FEET
MEAN LOW WATER (MLW)	=	0.09 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET
NGVD 1929*	=	-1.01 FEET

\*NGVD IS BASED ON ELEVATIONS PUBLISHED IN QUAD 390741, 3/82, AND NOS LEVELING OF 11/19/76

### BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-2786F 1976	<a href="#">AI8482</a>	1.11	0.68
853-2786G 1976	<a href="#">AI8483</a>	2.65	2.22
853-2786H 1976	<a href="#">AI8484</a>	3.08	2.65
MANTOLOKING 1932	<a href="#">KV0860</a>	4.05	3.62
MANTOLOKING NO. 1 1932	<a href="#">KV0859</a>	3.82	3.39
MANTOLOKING NO. 2 1932	<a href="#">KV0864</a>	7.36	6.93
MANTOLOKING NO. 3 1932	<a href="#">KV0861</a>	3.03	2.60

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-2835 KETTLE CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	76/6 TO 77/5
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.59 FEET
MEAN HIGH WATER (MHW)	=	0.45 FEET
MEAN TIDE LEVEL (MTL)	=	0.26 FEET
MEAN LOW WATER (MLW)	=	0.07 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-2835A 1976	3.73	3.28
853-2835B 1976	3.77	3.32
853-2835C 1976	3.83	3.38
853-2835D 1976	4.26	3.81
853-2835E 1976	4.03	3.58



# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-2885 OCEAN BEACH, BARNEGAT BAY, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	76/6 TO 77/5
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.58 FEET
MEAN HIGH WATER (MHW)	=	0.44 FEET
MEAN TIDE LEVEL (MTL)	=	0.26 FEET
MEAN LOW WATER (MLW)	=	0.07 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET
NGVD 1929*	=	-0.98 FEET

\*NGVD IS BASED ON ELEVATIONS PUBLISHED IN QUAD390741, 1/83 AND NOS LEVELING OF 11/18/76

## BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-2885A 1976		2.83	2.39
853-2885B 1976		2.39	1.95
853-2885C 1976		2.40	1.96
E 69 1964	<a href="#">JU0005</a>	3.42	2.98
CHADWICK 2 1962	<a href="#">JU0003</a>	2.13	1.69
CHADWICK 2 NO. 1 1962		2.90	2.46
CHADWICK 2 RM 5 1962	<a href="#">JU0002</a>	2.66	2.22

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-2921 SILVER BAY, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	7 MONTHS
TIME PERIOD	=	76/6 TO 77/5
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.58 FEET
MEAN HIGH WATER (MHW)	=	0.45 FEET
MEAN TIDE LEVEL (MTL)	=	0.26 FEET
MEAN LOW WATER (MLW)	=	0.08 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-2921A 1976	3.95	3.50
853-2921B 1976	2.75	2.30
853-2921C 1976	5.87	5.42
853-2921D 1976	7.49	7.04
853-2921E 1976	6.81	6.36

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3005 GOOSE CREEK, BARNEGAT BAY, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	76/5 TO 77/4
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.55 FEET
MEAN HIGH WATER (MHW)	=	0.42 FEET
MEAN TIDE LEVEL (MTL)	=	0.24 FEET
MEAN LOW WATER (MLW)	=	0.07 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-3005A 1976	2.44	2.02
853-3005B 1976	2.64	2.22
853-3005C 1976	3.58	3.16
853-3005D 1976	2.88	2.46
853-3005E 1976	4.60	4.18

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3051 TOMS RIVER NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	6/76 TO 5/77
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.59 FEET
MEAN HIGH WATER (MHW)	=	0.47 FEET
MEAN TIDE LEVEL (MTL)	=	0.27 FEET
MEAN LOW WATER (MLW)	=	0.06 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-3051D 1976	<a href="#">JU2449</a>	2.58	2.11
853-3051E 1976	<a href="#">JU2450</a>	7.16	6.69
V 68 1964	<a href="#">JU0033</a>	34.22	33.75
U 68 1964	<a href="#">JU0034</a>	24.82	24.35
R 68 1964	<a href="#">JU0032</a>	25.39	24.92

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3055 COATES POINT, BARNEGAT BAY, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	4 MONTHS
TIME PERIOD	=	77/6 TO 77/11
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.54 FEET
MEAN HIGH WATER (MHW)	=	0.42 FEET
MEAN TIDE LEVEL (MTL)	=	0.24 FEET
MEAN LOW WATER (MLW)	=	0.05 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID #	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-3055D 1976		2.82	2.40
853-3055E 1976		4.31	3.89
853-3055F 1976		4.47	4.05
NO. 4 1967		6.35	5.93
Z68 1964	<a href="#">JU0027</a>	11.08	10.66

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3071 SEASIDE HEIGHTS, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	7 MONTHS
TIME PERIOD	=	77/4 TO 77/10
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE..

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.86 FEET
MEAN HIGH WATER (MHW)	=	4.45 FEET
MEAN TIDE LEVEL (MTL)	=	2.31 FEET
MEAN LOW WATER (MLW)	=	0.18 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-3071A 1976	<a href="#">AI7805</a>	16.48	12.03
853-3071B 1976		10.28	5.83
853-3071C 1976	<a href="#">AI7806</a>	11.43	6.98
B 69 1964	<a href="#">JU0016</a>	8.75	4.30
S 68 1964	<a href="#">JU0014</a>	7.57	3.12

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3135 SEASIDE PARK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	76/7 TO 77/6
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE..

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.54 FEET
MEAN HIGH WATER (MHW)	=	0.43 FEET
MEAN TIDE LEVEL (MTL)	=	0.24 FEET
MEAN LOW WATER (MLW)	=	0.05 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-3135A 1976	<a href="#">AI7808</a>	2.10	1.67
853-3135B 1976	<a href="#">AI7809</a>	2.12	1.69
853-3135C 1976	<a href="#">AI7810</a>	2.07	1.64
SEASIDE PARK NO. 4 1932	<a href="#">JU0019</a>	3.53	3.10
SEASIDE PARK NO. 1 1932	<a href="#">JU0020</a>	4.79	4.36
J 6 1930 6.014		4.80	4.37

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3141 BARNEGAT PIER, BARNEGAT BAY NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	7 MONTHS
TIME PERIOD	=	77/4 TO 77/10
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.51 FEET
MEAN HIGH WATER (MHW)	=	0.40 FEET
MEAN TIDE LEVEL (MTL)	=	0.22 FEET
MEAN LOW WATER (MLW)	=	0.05 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

## BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-3141D 1976		3.55	3.15
853-3141E 1976		2.33	1.93
853-3141F 1976		1.66	1.26
853-3141G 1976		3.71	3.31
NO. 1 1936		4.76	4.36
L 68 1964	<a href="#">JU0044</a>	3.01	2.61



# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3185 SLOOP CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTHS
TIME PERIOD	=	77/4 TO 77/6
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.47 FEET
MEAN HIGH WATER (MHW)	=	0.38 FEET
MEAN TIDE LEVEL (MTL)	=	0.21 FEET
MEAN LOW WATER (MLW)	=	0.04 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-3185A 1976	1.67	1.29
853-3185B 1976	0.78	0.40
853-3185C 1976	1.60	1.22
853-3185D 1976	0.88	0.50
853-3185E 1976	2.97	2.59
853-3185F 1976		
853-3185G 1976		

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3295 CEDAR CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	76/7 TO 77/6
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE..

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.50 FEET
MEAN HIGH WATER (MHW)	=	0.40 FEET
MEAN TIDE LEVEL (MTL)	=	0.22 FEET
MEAN LOW WATER (MLW)	=	0.05 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-3295A 1976		2.57	2.17
853-3295B 1976		2.02	1.62
853-3295C 1976		5.59	5.19
853-3295D 1976		5.48	5.08
853-3295E 1976		5.94	5.54
H 68	<a href="#">JU0051</a>	3.02	2.62

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3345 ISLAND BEACH, BARNEGAT BAY, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	5 MONTHS
TIME PERIOD	=	76/7 TO 76/11
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE..

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.49 FEET
MEAN HIGH WATER (MHW)	=	0.40 FEET
MEAN TIDE LEVEL (MTL)	=	0.23 FEET
MEAN LOW WATER (MLW)	=	0.05 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-3345A 1976	4.27	3.87
853-3345B 1976	3.77	3.37
853-3345C 1976	6.58	6.18
853-3345D 1976	5.44	5.04
853-3345E 1976	4.23	3.83

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3365 STOUTS CREEK NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	1 MONTH
TIME PERIOD	=	11/76 TO 11/76
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.44 FEET
MEAN HIGH WATER (MHW)	=	0.33 FEET
MEAN TIDE LEVEL (MTL)	=	0.19 FEET
MEAN LOW WATER (MLW)	=	0.05 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-3365A 1976	3.15	2.82
853-3365B 1976	3.60	3.27
853-3365C 1976	3.37	3.04
853-3365D 1976	2.59	2.26
853-3365E 1976	3.67	3.34

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3391 FORKED RIVER, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	2 MONTHS
TIME PERIOD	=	76/7 TO 76/8
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.43 FEET
MEAN HIGH WATER (MHW)	=	0.38 FEET
MEAN TIDE LEVEL (MTL)	=	0.22 FEET
MEAN LOW WATER (MLW)	=	0.06 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-3391A 1976	2.79	2.41
853-3391B 1976	2.19	1.81
853-3391C 1976	4.89	4.51
853-3391D 1976	5.03	4.65
853-3391E 1976	4.76	4.38

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3465 OYSTER CREEK NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	7/76 TO 6/77
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.42 FEET
MEAN HIGH WATER (MHW)	=	0.33 FEET
MEAN TIDE LEVEL (MTL)	=	0.19 FEET
MEAN LOW WATER (MLW)	=	0.04 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-3465 A 1976		1.97	1.64
853-3465 B 1976			
853-3465 C 1976		9.04	8.71
853-3465 D 1976		10.51	10.18
853-3465 E 1976	<a href="#">JU2445</a>	5.58	5.25
853-3465 F 1976		10.64	10.31
B 68 1964	<a href="#">JU0061</a>	14.09	13.76
C 68 1964	<a href="#">JU0059</a>		
T 6 1930 8.051	<a href="#">JU0060</a>		

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3535 ISLAND BEACH, SEDGE ISLANDS, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	1 MONTH
TIME PERIOD	=	76/11 TO 76/11
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE..

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.54 FEET
MEAN HIGH WATER (MHW)	=	0.40 FEET
MEAN TIDE LEVEL (MTL)	=	0.23 FEET
MEAN LOW WATER (MLW)	=	0.06 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-3535A 1976		2.32	1.92
853-3535B 1976		6.21	5.81
853-3535C 1976		6.77	6.37
FORKED RIVER 2 1962	<a href="#">JU2627</a>	11.11	10.71
FORKED RIVER 2 NO. 4 1962		6.93	6.53

CAUTION; NOT PUBLISHABLE BY NOS STANDARDS, DUE TO EITHER EXCESSIVE STAFF MOVEMENT, OR THE DATA COLLECTED WAS NOT BRACKETED BY LEVELS TO ENSURE STAFF STABILITY.

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3541 WARETOWN, BARNEGAT BAY, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	6/80 TO 5/81
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.50 FEET
MEAN HIGH WATER (MHW)	=	0.40 FEET
MEAN TIDE LEVEL (MTL)	=	0.23 FEET
MEAN LOW WATER (MLW)	=	0.06 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-3541D 1976	<a href="#">AI9351</a>	3.86	3.46
853-3541E 1976		5.00	4.60
853-3541F 1976		4.98	4.58
3 F 1936		5.31	4.91
V 6 1930	<a href="#">JU0063</a>	14.10	13.70
A 68 1964	<a href="#">JU0062</a>	10.92	10.52
V 54 1961	<a href="#">JU0065</a>	2.89	2.49



# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3615 BARNEGAT INLET, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	11 MONTHS
TIME PERIOD	=	84/10 TO 85/9
TIDAL EPOCH	=	1966 – 1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	2.11 FEET
MEAN HIGH WATER (MHW)	=	1.92 FEET
MEAN TIDE LEVEL (MTL)	=	1.01 FEET
MEAN LOW WATER (MLW)	=	0.11 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET
*NGVD 1929	=	-0.15 FEET

\*NGVD IS BASED ON ELEVATIONS PUBLISHED IN QUAD 390741, 3/82, AND NOS LEVELING OF 10/5/85

## BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>PID#</u>	<u>ELEVATION IN FEET ABOVE</u>	
		<u>MLLW</u>	<u>MHW</u>
853-3615A 1976			
853-3615B 1976		4.78	2.86
853-3615C 1976		5.03	3.11
BARNEGAT LIGHT RM NO. 4	<a href="#">JU0178</a>	7.30	5.38
BARNEGAT LIGHT 3 1962 1980	<a href="#">JU2475</a>	5.28	3.36
BARNEGAT LIGHT RM NO. 6	<a href="#">JU0180</a>	8.38	6.46
RM 7 1980	<a href="#">JU2476</a>	7.33	5.41
Q 67	<a href="#">JU0176</a>	7.39	5.47

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3631 HIGH BAR, BARNEGAT BAY, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTHS
TIME PERIOD	=	77/5 TO 77/7
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE..

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.70 FEET
MEAN HIGH WATER (MHW)	=	0.65 FEET
MEAN TIDE LEVEL (MTL)	=	0.38 FEET
MEAN LOW WATER (MLW)	=	0.11 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-3631A 1976	4.28	3.63
853-3631B 1976	4.26	3.61
853-3631C 1976	3.23	2.58
853-3631D 1976	3.65	3.00
853-3631E 1976	4.94	4.29

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3665 DOUBLE CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	4 MONTHS
TIME PERIOD	=	76/11 TO 77/2
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE..

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.49 FEET
MEAN HIGH WATER (MHW)	=	0.33 FEET
MEAN TIDE LEVEL (MTL)	=	0.18 FEET
MEAN LOW WATER (MLW)	=	0.02 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-3665A 1976	2.12	1.79
853-3665B 1976	2.29	1.96
853-3665C 1976	2.74	2.41
853-3665D 1976	2.90	2.57
853-3665E 1976	4.00	3.67

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3738 LOVELADIES NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	76/9 TO 77/8
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE..

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.65 FEET
MEAN HIGH WATER (MHW)	=	0.52 FEET
MEAN TIDE LEVEL (MTL)	=	0.29 FEET
MEAN LOW WATER (MLW)	=	0.06 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-3738A 1976		3.64	3.12
853-3738B 1976		3.01	2.49
853-3738C 1976		3.65	3.13
LOVELADIES 1932	<a href="#">JU0171</a>	4.83	4.31
LOVELADIES NO. 5 1932		4.70	4.18
R 67 1964	<a href="#">JU0167</a>	2.92	2.40

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3780 FLAT CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	1 MONTH
TIME PERIOD	=	76/11 TO 76/11
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES FT. MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	1.06 FEET
MEAN HIGH WATER (MHW)	=	0.90 FEET
MEAN TIDE LEVEL (MTL)	=	0.48 FEET
MEAN LOW WATER (MLW)	=	0.06 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-3780A 1976	2.80	1.90
853-3780B 1976	1.84	0.94
853-3780C 1976	1.59	0.69
853-3780D 1976	5.64	4.74
853-3780E 1976	7.15	6.25

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3862 NORTH BEACH, MANAHAWKIN BAY NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTHS
TIME PERIOD	=	76/9 TO 76/11
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853-3935 MANAHAWKIN DRAWBRIDGE NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	1.25 FEET
MEAN HIGH WATER (MHW)	=	1.08 FEET
MEAN TIDE LEVEL (MTL)	=	0.57 FEET
MEAN LOW WATER (MLW)	=	0.06 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-3862A 1976		3.75	2.67
853-3862B 1976		5.30	4.22
853-3862C 1976		5.43	4.35
D 67 1964	<a href="#">JU0150</a>	5.15	4.07
SURF 1932		5.39	4.31
SURF NO.2 1932	<a href="#">JU0146</a>	6.05	4.97
P 7 1930 6.716	<a href="#">JU0147</a>	6.06	4.98

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3905 MILL CREEK, MANAHAWKIN BAY, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTHS
TIME PERIOD	=	77/5 TO 77/7
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853-3909 MANAHAWKIN CREEK, N.J.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	1.88 FEET
MEAN HIGH WATER (MHW)	=	1.66 FEET
MEAN TIDE LEVEL (MTL)	=	0.86 FEET
MEAN LOW WATER (MLW)	=	0.06 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

## BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-3905A 1976	4.37	2.71
853-3905B 1976	8.45	6.79
853-3905C 1976	5.31	3.65
853-3905D 1976	13.87	12.21
853-3905E 1976	6.17	4.51

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3909 MANAHAWKIN CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	7 MONTHS
TIME PERIOD	=	77/3 TO 77/9
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES FT. MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	1.49 FEET
MEAN HIGH WATER (MHW)	=	1.30 FEET
MEAN TIDE LEVEL (MTL)	=	0.68 FEET
MEAN LOW WATER (MLW)	=	0.06 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-3909A 1976		2.69	1.39
853-3909B 1976		8.29	6.99
853-3909C 1976		4.03	2.73
U 66 1964	<a href="#">JU0136</a>	17.29	15.99
L 67 1964	<a href="#">JU0133</a>	2.61	1.31



# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3935 MANAHAWKIN DRAWBRIDGE, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	76/9 TO 77/8
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES FT. MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	1.51 FEET
MEAN HIGH WATER (MHW)	=	1.32 FEET
MEAN TIDE LEVEL (MTL)	=	0.69 FEET
MEAN LOW WATER (MLW)	=	0.06 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-3935E 1976	<a href="#">AC7258</a>	4.61	3.29
853-3935F 1976	<a href="#">AC7259</a>	3.47	2.15
NO. 3 1936	<a href="#">JU0139</a>	6.13	4.81
NO. 2 1936	<a href="#">JU0140</a>	2.58	1.26
D 7 1930 5.184	<a href="#">JU0141</a>	4.43	3.11
Y 54 1961	<a href="#">JU0142</a>	19.32	18.00
N 67 1967	<a href="#">JU0143</a>	4.36	3.04

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3941 CEDAR RUN LITTLE EGG HARBOR, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTHS
TIME PERIOD	=	77/5 TO 77/7
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853-4044 LONG POINT, LITTLE EGG HARBOR NJ

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	2.17 FEET
MEAN HIGH WATER (MHW)	=	1.93 FEET
MEAN TIDE LEVEL (MTL)	=	1.00 FEET
MEAN LOW WATER (MLW)	=	0.07 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-3941A 1977	2.41	0.48
853-3941B 1977	2.38	0.45
853-3941C 1977	3.03	1.10
853-3941D 1977	2.98	1.05
853-3941E 1977	2.19	0.26

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3982 DINNER POINT CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	7 MONTHS
TIME PERIOD	=	77/3 TO 77/9
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES FT. MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	2.16 FEET
MEAN HIGH WATER (MHW)	=	1.95 FEET
MEAN TIDE LEVEL (MTL)	=	1.01 FEET
MEAN LOW WATER (MLW)	=	0.07 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-3982A 1976	2.60	0.65
853-3982B 1976	2.25	0.30
853-3982C 1976	1.96	0.01
853-3982D 1976	3.44	1.49
853-3982E 1976	4.47	2.52

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-3987 WEST CREEK, WESTECUNK CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	7 MONTHS
TIME PERIOD	=	77/3 TO 77/9
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	853-1680 SANDY HOOK NJ

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	2.42 FEET
MEAN HIGH WATER (MHW)	=	2.19 FEET
MEAN TIDE LEVEL (MTL)	=	1.13 FEET
*NGVD 1929	=	0.10 FEET
MEAN LOW WATER (MLW)	=	0.08 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NGVD IS BASED ON ELEVATIONS PUBLISHED IN QUAD 390741, 3/82, AND NOS LEVELING OF 3/18/77

## BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-3987A 1976		4.27	2.08
853-3987B 1976		3.36	1.17
853-3987C 1977		9.68	7.49
B 55 1961	<a href="#">JU0125</a>	4.75	2.56
J 67 1964	<a href="#">JU0089</a>	27.98	25.79

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4002 UPPER MULLICA RIVER, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	4 MONTHS
TIME PERIOD	=	78/7 TO 78/10
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES FT. MILES DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	2.96 FEET
MEAN HIGH WATER (MHW)	=	2.72 FEET
MEAN TIDE LEVEL (MTL)	=	1.41 FEET
MEAN LOW WATER (MLW)	=	0.10 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-4002A 1978	3.57	0.85
853-4002B 1978	5.49	2.77
853-4002C 1978	4.68	1.96
853-4002D 1978	8.56	5.84
853-4002E 1978	8.80	6.08

CAUTION:

MONTHLY MEANS SHOW CONSIDERABLE VARIABILITY THAT MAY BE DUE TO SEASONAL EFFECTS OR UNDOCUMENTED DATUM SHIFTS.

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4043 WADING RIVER, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	6 MONTHS
TIME PERIOD	=	77/ 6 TO 77/11
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES FORT MILES DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	3.42 FEET
MEAN HIGH WATER (MHW)	=	3.16 FEET
MEAN TIDE LEVEL (MTL)	=	1.65 FEET
MEAN LOW WATER (MLW)	=	0.14 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-4043A 1977		8.68	5.52
853-4043B 1977		13.56	10.40
853-4043C 1977		18.02	14.86
853-4043D 1977		20.46	17.30
17896		11.92	8.76

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4044 LONG POINT, LITTLE EGG HARBOR, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	7 MONTHS
TIME PERIOD	=	77/3 TO 77/9
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES FT. MILES DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	2.34 FEET
MEAN HIGH WATER (MHW)	=	2.08 FEET
MEAN TIDE LEVEL (MTL)	=	1.08 FEET
MEAN LOW WATER (MLW)	=	0.08 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-4044A 1976		3.72	1.64
853-4044B 1976		3.56	1.48
853-4044C 1976		3.47	1.39
853-4044D 1976		3.46	1.38
853-4044E 1976		5.40	3.32
F 55 1961	<a href="#">JU0127</a>	3.44	1.36

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

## 853-4048 BEACH HAVEN CREST (INSIDE) NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	8 MONTHS
TIME PERIOD	=	76/6 TO 77/6
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES FORT MILES DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	2.18 FEET
MEAN HIGH WATER (MHW)	=	1.93 FEET
MEAN TIDE LEVEL (MTL)	=	1.00 FEET
MEAN LOW WATER (MLW)	=	0.08 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-4048A 1976		3.69	1.76
853-4048B 1976		3.91	1.98
853-4048C 1976		3.43	1.50
853-4048D 1976	<a href="#">AC7255</a>	3.40	1.47
Y 66 1964	<a href="#">JU0192</a>	5.65	3.72



# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4049 PARKER RUN, LITTLE EGG HARBOR, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	7 MONTHS
TIME PERIOD	=	77/3 TO 77/9
TIDAL EPOCH	=	1966-1984 <a href="#">1983-2001</a>
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	2.46 FEET
MEAN HIGH WATER (MHW)	=	2.20 FEET
MEAN TIDE LEVEL (MTL)	=	1.14 FEET
MEAN LOW WATER (MLW)	=	0.08 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00FEET

NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	ELEVATION IN FEET ABOVE		
	<u>MLLW</u>	<u>MHW</u>	
853-4049A 1976	6.33	4.13	
853-4049B 1976	7.59	5.39	
853-4049C 1976	5.99	3.79	
853-4049D 1976	11.73	9.53	
Z 54 1961	<a href="#">JU0091</a>	8.42	6.22

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4080 TUCKERTON, TUCKERTON CREEK NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	10/76 TO 9/77
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	2.52 FEET
MEAN HIGH WATER (MHW)	=	2.25 FEET
MEAN TIDE LEVEL (MTL)	=	1.17 FEET
NGVD 1929*	=	0.17 FEET
MEAN LOW WATER (MLW)	=	0.09 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NGVD IS BASED ON ELEVATIONS PUBLISHED IN QUAD 390741, 3/82 AND NOS LEVELING OF 4/20/77

### BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-4080A 1976	<a href="#">JU2442</a>	5.85	3.60
853-4080B 1976	<a href="#">JU2441</a>	11.41	9.16
853-4080C 1976	<a href="#">JU2440</a>	10.87	8.62
G 55 1961	<a href="#">JU0101</a>	11.61	9.36

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4104 NEW GRETNA, BASS RIVER NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	10 MONTHS
TIME PERIOD	=	6/77 OT 5/78
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	3.57 FEET
MEAN HIGH WATER (MHW)	=	3.26 FEET
MEAN TIDE LEVEL (MTL)	=	1.70 FEET
NGVD 1929*	=	0.80 FEET
MEAN LOW WATER (MLW)	=	0.14 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NGVD IS BASED ON ELEVATIONS PUBLISHED IN QUAD 390741, 3/82, AND NOS LEVELING OF 11/9/77

## BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-4104A 1977	<a href="#">JU2439</a>	8.36	5.10
853-4104B 1977	<a href="#">JU2438</a>	13.46	10.20
853-4104C 1977	<a href="#">JU2437</a>	7.22	3.96
853-4104D 1977	<a href="#">JU2436</a>	7.79	4.53
F 66 1964	<a href="#">JU0109</a>	9.12	5.86
GRETNA 1932	<a href="#">JU0112</a>	12.16	8.90
GRETNA NO 1 1932	<a href="#">JU0111</a>	13.39	10.13
GRETNA NO 2 1932	<a href="#">JU0110</a>	10.76	7.50

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4117 GREEN BANK, MULLICA RIVER, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	10 MONTHS
TIME PERIOD	=	78/3 TO 78/12
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	3.48 FEET
MEAN HIGH WATER (MHW)	=	3.21 FEET
MEAN TIDE LEVEL (MTL)	=	1.69 FEET
MEAN LOW WATER (MLW)	=	0.16 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	ELEVATION IN FEET ABOVE	
	<u>MLLW</u>	<u>MHW</u>
853-4117A 1977	4.93	1.72
853-4117B 1977	9.69	6.48
853-4117C 1977	14.64	11.43
853-4117D 1977	13.93	10.72
853-4117E 1977	16.92	13.71

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4139 TUCKERTON, LITTLE EGG HARBOR, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTHS
TIME PERIOD	=	77/5 TO 77/7
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	2.48 FEET
MEAN HIGH WATER (MHW)	=	2.20 FEET
MEAN TIDE LEVEL (MTL)	=	1.14 FEET
MEAN LOW WATER (MLW)	=	0.09 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>PID#</u>	<u>ELEVATION IN FEET ABOVE</u>	
		<u>MLLW</u>	<u>MHW</u>
853-4139D 1977		2.64	0.44
853-4139E 1977		3.78	1.58
853-4139F 1977		4.20	2.00
853-4139G 1977		4.32	2.12
853-4139H 1977		3.69	1.49
R 55 1961	<a href="#">JU0229</a>	5.18	2.98

TIDAL DATUMS AND BENCHMARK ELEVATION SHEET  
853-4208 BEACH HAVEN COAST GUARD STATION, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	8 MONTHS
TIME PERIOD	=	76/9 TO 77/8
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	2.61 FEET
MEAN HIGH WATER (MHW)	=	2.33 FEET
MEAN TIDE LEVEL (MTL)	=	1.22 FEET
MEAN LOW WATER (MLW)	=	0.11 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	ELEVATION IN FEET ABOVE	
	<u>MLLW</u>	<u>MHW</u>
853-4208A 1976	6.46	3.13
853-4208B 1976	6.82	4.49
M 67 1964	<a href="#">JU0208</a>	3.09
ST JAMES RM 4	<a href="#">JU0211</a>	
ST JAMES RM 5		

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4212 CRAMERS BOATYARD, MULLICA RIVER NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	14 MOINTHS
TIME PERIOD	=	5/77 TO 10/78
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	3.41 FEET
MEAN HIGH WATER (MHW)	=	3.14 FEET
MEAN TIDE LEVEL (MTL)	=	1.64 FEET
NGVD 1929*	=	0.71 FEET
MEAN LOW WATER (MLW)	=	0.14 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NGVD IS BASED ON ELEVATIONS PUBLISHED IN QUAD 390741, 3/82, AND NOS LEVELING OF 5/2/77.

## BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-4212D 1977		6.75	3.61
853-4212E 1977	<a href="#">JU2432</a>	7.93	4.79
853-4212F 1977	<a href="#">JU2431</a>	7.94	4.80
F 8 1930 8.333	<a href="#">JU0119</a>	9.02	5.88
1852	<a href="#">JU0120</a>	8.44	5.30
1 C			
2 C	<a href="#">JU2433</a>		
3 C			

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4244 GRAVELING POINT NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	12 MONTHS
TIME PERIOD	=	77/9 TO 78/10
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	3.71 FEET
MEAN HIGH WATER (MHW)	=	3.34 FEET
MEAN TIDE LEVEL (MTL)	=	1.73 FEET
MEAN LOW WATER (MLW)	=	0.12 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-4244A 1977	6.13	2.79
853-4244B 1977	7.84	4.50
853-4244C 1977	6.33	2.99
853-4244D 1977	7.25	3.91
853-4244E 1977	5.45	2.11



# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4256 U.S. HIGHWAY 9, NACOTE CREEK NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	10 MONTHS
TIME PERIOD	=	9/77 TO 8/78
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	3.57 FEET
MEAN HIGH WATER (MHW)	=	3.25 FEET
MEAN TIDE LEVEL (MTL)	=	1.69 FEET
MEAN LOW WATER (MLW)	=	0.12 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-4256A 1977	<a href="#">JU2430</a>	4.92	1.67
853-4256B 1977	<a href="#">JU2429</a>	8.23	4.98
853-4256C 1977	<a href="#">JU2428</a>	9.94	6.69
853-4256D 1977	<a href="#">JU2427</a>	10.46	7.21
1851	<a href="#">JU0121</a>	13.64	10.39

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4287 LITTLE SHEEPSHEAD CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	77/3/TO 77/11
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	3.64 FEET
MEAN HIGH WATER (MHW)	=	3.26 FEET
MEAN TIDE LEVEL (MTL)	=	1.69 FEET
MEAN LOW WATER (MLW)	=	0.12 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-4287A 1976		11.25	7.99
NO. 1 1974		7.12	3.86
P55 1961	<a href="#">JU0238</a>	4.68	1.42

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4319 GREAT BAY, TUCKERTON, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	8 MONTHS
TIME PERIOD	=	77/3 TO 77/11
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	3.88 FEET
MEAN HIGH WATER (MHW)	=	3.50 FEET
MEAN TIDE LEVEL (MTL)	=	1.81 FEET
MEAN LOW WATER (MLW)	=	0.13 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-4319A 1976	<a href="#">AI9352</a>	6.15	2.65
853-4319B 1976	<a href="#">AI9353</a>	5.70	2.20
853-4319C 1976	<a href="#">AI9354</a>	4.84	1.34
NO. 2 1974	<a href="#">AI9355</a>	5.12	1.62
853-4287A 1976		11.44	7.94

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4393 MAIN MARSH THOROFARE, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	8 MONTHS
TIME PERIOD	=	4/78 – 11/78
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	3.73 FEET
MEAN HIGH WATER (MHW)	=	3.38 FEET
MEAN TIDE LEVEL (MTL)	=	1.75 FEET
MEAN LOW WATER (MLW)	=	0.13 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

ELEVATION IN FEET ABOVE

<u>BENCHMARK STAMPING</u>	<u>PID #</u>	<u>MLLW</u>	<u>MHW</u>
853-4393D 1977		3.99	0.61
853-4393E 1977		4.37	0.99
Z55 1961	<a href="#">JU0280</a>	4.34	0.96
BM 4 1971		4.17	0.79
BM 6 1971		4.22	0.84

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4468 MAYS LANDING - GREAT EGG HARBOR RIVER NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	4/81 – 2/82
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES FT MILES DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.59 FEET
MEAN HIGH WATER (MHW)	=	4.29 FEET
MEAN TIDE LEVEL (MTL)	=	2.24 FEET
NGVD 1929*	=	1.34 FEET
MEAN LOW WATER (MLW)	=	0.18 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NGVD IS BASED ON ELEVATIONS PUBLISHED IN QUAD 390743, 4/82, AND NOS LEVELING OF 6/8/82

### BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-4468D 1977	<a href="#">JU4223</a>	10.13	5.84
853-4468E 1977	<a href="#">JU4213</a>	9.44	5.15
853-4468F 1977	<a href="#">JU4214</a>	10.85	6.56
MAY NO. 1 1935	<a href="#">JU0509</a>	10.06	5.77
MAY NO. 2 1935	<a href="#">JU0511</a>	8.35	4.06
MAY 1935	<a href="#">JU0510</a>	9.96	5.67
MAY 1935 AZIMUTH	<a href="#">JU0512</a>	10.39	6.10

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4469 REED BAY, WEST SIDE, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	4 MONTHS
TIME PERIOD	=	7/78 – 11/78
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853-4540 ABSECON. ABSECON CREEK, N.J

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.38 FEET
MEAN HIGH WATER (MHW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-4469A 1978		3.60
853-4469B 1978		1.84
853-4469C 1978		4.56
NO.		2.56
NO. 3		2.15

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4496 BRIGANTINE CHANNEL, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	7 MONTHS
TIME PERIOD	=	4/78 – 12/78
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES FORT MILES DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.18 FEET
MEAN HIGH WATER (MHW)	=	3.81 FEET
MEAN TIDE LEVEL (MTL)	=	1.98 FEET
MEAN LOW WATER (MLW)	=	0.14 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-4496A 1977	3.83	0.02
853-4496B 1977	3.94	0.13
853-4496C 1977	3.98	0.17
853-4496D 1977	3.88	0.07
853-4496E 1977	4.31	0.50

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4540 ABSECON, ABSECON CREEK, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	6/77 TO 5/78
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.39 FEET
MEAN HIGH WATER (MHW)	=	4.03 FEET
MEAN TIDE LEVEL (MTL)	=	2.09 FEET
MEAN LOW WATER (MLW)	=	0.14 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-4540D 1977	<a href="#">JU2455</a>	7.88	3.85
853-4540E 1977	<a href="#">JU2456</a>	11.47	7.44
853-4540F 1977	<a href="#">JU2457</a>	9.87	5.84
853-4540G 1977	<a href="#">JU2458</a>	8.42	4.39
853-4540H 1977	<a href="#">JU2459</a>	7.46	3.43



# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4638 ABSECON CHANNEL, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	12 MONTHS
TIME PERIOD	=	6/77 TO 5/78
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.44 FEET
MEAN HIGH WATER (MHW)	=	4.05 FEET
MEAN TIDE LEVEL (MTL)	=	2.11 FEET
MEAN LOW WATER (MLW)	=	0.17 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-4638A 1977	<a href="#">JU4082</a>	11.98	7.93
853-4638B 1977		8.98	4.93
853-4638C 1977		9.22	5.17
853-4638D 1977		9.23	5.18
853-4638F 1977	<a href="#">JU4081</a>		
ATLANTIC 1932 1973	<a href="#">JU2792</a>	9.03	5.03
ATLANTIC NO. 1 1932		8.84	4.79
ATLANTIC NO. 4 1973	<a href="#">JU4079</a>	8.53	4.48

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4657 PLEASANTVILLE, LAKES BAY, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	8MONTHS
TIME PERIOD	=	7/77 TO 6/78
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.55 FEET
MEAN HIGH WATER (MHW)	=	4.15 FEET
MEAN TIDE LEVEL (MTL)	=	2.15 FEET
NGVD 1929*	=	1.35 FEET
MEAN LOW WATER (MLW)	=	0.14 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NGVD IS BASED ON ELEVATIONS PUBLISHED IN QUAD 390743, 4/82, AND NOS LEVELING OF 12/6/77.

## BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-4657A 1977	<a href="#">JU2420</a>	6.46	2.31
853-4657B 1977	<a href="#">JU2421</a>	6.17	2.02
853-4657C 1977	<a href="#">JU2422</a>	6.57	2.42
853-4657D 1977	<a href="#">JU2423</a>	7.38	3.23
853-4657E 1977	<a href="#">JU2424</a>	6.89	2.74
P 8 1930 12.021	<a href="#">JU0348</a>	13.30	9.15
G 4 1924 27.671	<a href="#">JU0349</a>	29.00	24.85

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4691 GREAT EGG HARBOR RIVER, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	4 MONTHS
TIME PERIOD	=	7/78 – 10/78
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	3.97 FEET
MEAN HIGH WATER (MHW)	=	3.68 FEET
MEAN TIDE LEVEL (MTL)	=	1.92 FEET
MEAN LOW WATER (MLW)	=	0.15 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	ELEVATION IN FEET ABOVE		
	NGS PID#	<u>MLLW</u>	<u>MHW</u>
853-4691A 1978		4.47	0.79
853-4691B 1978		4.79	1.11
853-4691C 1978		10.23	6.55
P57 1961	<a href="#">JU0502</a>	18.20	14.52
NO.3 1937	<a href="#">JU0501</a>	9.06	5.38

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4720 ATLANTIC CITY, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	132 MONTHS
TIME PERIOD	=	1/66 TO 12/84
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.66 FEET
MEAN HIGH WATER (MHW)	=	4.23 FEET
MEAN TIDE LEVEL (MTL)	=	2.20 FEET
NGVD 1929*	=	1.57 FEET
MEAN LOW WATER (MLW)	=	0.16FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-4720B 1979	<a href="#">JU4071</a>	10.13	5.90
853-4720C 1981		8.49	4.26
853-4720D 1981		12.57	8.34
853-4720E 1981		11.64	7.41
26 1911 10.472	<a href="#">JU0317</a>	11.97	7.74
30 1922 9.675	<a href="#">JU0311</a>	11.24	7.01
TIDAL 31 RESET 1973	<a href="#">JU0315</a>	9.85	5.62
27659 FINE	<a href="#">JU4072</a>	15.56	11.33
BASIC	<a href="#">JU0322</a>		

FOR RECOVERY DESCRIPTIONS SEE [1960-1978](#) EPOCH AT NOAA CO-OPS

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4739 DOCK THOROFARE, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	11 MONTHS
TIME PERIOD	=	6/77 – 6/78
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.53 FEET
MEAN HIGH WATER (MHW)	=	4.13 FEET
MEAN TIDE LEVEL (MTL)	=	2.14 FEET
MEAN LOW WATER (MLW)	=	0.15 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-4739A 1977	5.33	1.20
853-4739B 1977	7.27	3.14
853-4739C 1977	6.26	2.13
853-4739D 1977	6.01	1.88
853-4739E 1977	5.79	1.66

TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4770 VENTNOR CITY FISHING PIER, NJ.

[1983-2001 NOAA](#)

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4778 STEELMANVILLE, PATCONG RIVER, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	8 MONTHS
TIME PERIOD	=	8/77 TO 7/78
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.27 FEET
MEAN HIGH WATER (MHW)	=	3.90 FEET
MEAN TIDE LEVEL (MTL)	=	2.03 FEET
MEAN LOW WATER (MLW)	=	0.15 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-4778A 1977		12.70	8.80
853-4778B 1977		13.64	9.74
853-4778C 1977		12.73	8.83
853-4778D 1977		15.59	11.69
853-4778E 1977		14.16	10.26
G65 1964	<a href="#">JU0358</a>	27.46	23.56

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4836 LONGPORT, RISLEY CHANNEL, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	7/77 TO 5/78
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.39 FEET
MEAN HIGH WATER (MHW)	=	3.98 FEET
MEAN TIDE LEVEL (MTL)	=	2.06 FEET
MEAN LOW WATER (MLW)	=	0.15 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>NGS PID#</u>	<u>ELEVATION IN FEET ABOVE</u>	
		<u>MLLW</u>	<u>MHW</u>
853-4836E 1977	<a href="#">JU4236</a>	8.91	4.93
853-4836F 1977		9.06	5.08
853-4836G 1977		9.57	5.59
NO. 9 1962		7.71	3.73
POINT 2 1962		11.69	7.71
POINT 2 NO.2 1962	<a href="#">JU2467</a>	10.69	6.71
POINT 2 NO 1 1962	<a href="#">JU0477</a>	7.02	3.04



# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4883 TUCKAHOE, TUCKAHOE RIVER, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	10 MONTHS
TIME PERIOD	=	7/77 TO 9/78
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	3.89 FEET
MEAN HIGH WATER (MHW)	=	3.62 FEET
MEAN TIDE LEVEL (MTL)	=	1.91 FEET
MEAN LOW WATER (MLW)	=	0.19 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-4883A 1977	6.62	3.00
853-4883B 1977	4.98	1.36
853-4883C 1977	5.11	1.49
853-4883D 1977	16.55	12.93
853-4883E 1977	16.44	12.82

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-4975 GREAT EGG HARBOR BAY, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	7 MONTHS
TIME PERIOD	=	6/77 TO 5/78
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978 NOAA</a> )
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.06 FEET
MEAN HIGH WATER (MHW)	=	3.69 FEET
MEAN TIDE LEVEL (MTL)	=	1.92 FEET
MEAN LOW WATER (MLW)	=	0.16 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-4975D 1977	6.92	3.23
853-4975E 1977	7.85	4.16
853-4975F 1977	7.07	3.38
853-4975G 1977	7.51	3.82
853-4975H 1977	9.70	6.01

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-5001 CEDAR SWAMP, TUCKAHOE RIVER, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	4 MONTHS
TIME PERIOD	=	78/6 TO 78/9
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	853-4883 TUCKAHOE No.1 NJ

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	3.51 FEET
MEAN HIGH WATER (MHW)	=	3.29 FEET
MEAN TIDE LEVEL (MTL)	=	1.77 FEET
MEAN LOW WATER (MLW)	=	0.24 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-5001A 1978	10.09	6.80
853-5001B 1978	6.16	2.87
853-5001C 1978	10.09	6.80
853-5001D 1978	7.09	3.80
853-5001E 1978	7.61	4.32

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-5101 CORSON INLET NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	11 MONTHS
TIME PERIOD	=	11/77 TO 10/78
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES FT. MILES DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.40 FEET
MEAN HIGH WATER (MHW)	=	4.00 FEET
MEAN TIDE LEVEL (MTL)	=	2.08 FEET
MEAN LOW WATER (MLW)	=	0.15 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-5101 D 1977	<a href="#">JU2409</a>	7.04	3.04
853-5101 E 1977	<a href="#">JU2408</a>	6.17	2.17
853-5101 F 1977	<a href="#">JU2407</a>	7.85	3.85
853-5101 G 1977	<a href="#">JU2405</a>	7.70	3.70
853-5101 H 1977	<a href="#">JU2404</a>	9.78	5.78
CURVE 2 1966	<a href="#">JU2410</a>	7.85	3.85
CI 2 1971		11.21	7.21
CI 3 1971		10.02	6.02

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-5163 STRATHMERE, STRATHMERE BAY NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	11 MONTHS
TIME PERIOD	=	11/77 TO 10/78
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.42 FEET
MEAN HIGH WATER (MHW)	=	4.02 FEET
MEAN TIDE LEVEL (MTL)	=	2.09 FEET
NGVD 1929*	=	1.29 FEET
MEAN LOW WATER (MLW)	=	0.16 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NGVD IS BASED ON ELEVATIONS PUBLISHED IN QUAD 390743, 4/82, AND NOS LEVELING OF 10/20/78

## BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-5163A 1977	<a href="#">JU2400</a>	7.21	3.19
853-5163B 1977	<a href="#">JU2403</a>	8.16	4.14
853-5163C 1977	<a href="#">JU2402</a>	10.53	6.51
U 57 1961	<a href="#">JU0392</a>	13.15	9.13
STRATHMERE 1932	<a href="#">JU0394</a>	7.27	3.25
STRATHMERE NO 1 1932	<a href="#">JU0393</a>	7.83	3.81
STRATHMERE NO 4 1932	<a href="#">JU2401</a>	8.01	3.99

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-5221 LUDLAM BAY NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	1 MONTH
TIME PERIOD	=	9/78 TO 9/78
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.54 FEET
MEAN HIGH WATER (MHW)	=	4.15 FEET
MEAN TIDE LEVEL (MTL)	=	2.15 FEET
MEAN LOW WATER (MLW)	=	0.15 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-5221A 1978	4.88	0.73
853-5221B 1978	5.12	0.97
853-5221C 1978	4.84	0.69
853-5221D 1978	5.18	1.03
853-5221E 1978	4.81	0.66

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-5309 TOWNSEND SOUND, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	2 MONTHS
TIME PERIOD	=	77/10 TO 77/11
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES FT. MILES DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.24 FEET
MEAN HIGH WATER (MHW)	=	3.83 FEET
MEAN TIDE LEVEL (MTL)	=	1.97 FEET
MEAN LOW WATER (MLW)	=	0.10 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853- 5309 A 1977	4.46	0.63
853- 5309 B 1977	8.25	4.42
853- 5309 C 1977	11.05	7.22
853- 5309 D 1977	12.34	8.51
853- 5309 E 1977	13.23	9.40

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

## 853-5357 STITES SOUND NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	8 MONTHS
TIME PERIOD	=	4/78 TO 11/78
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.50 FEET
MEAN HIGH WATER (MHW)	=	4.11 FEET
MEAN TIDE LEVEL (MTL)	=	2.13 FEET
MEAN LOW WATER (MLW)	=	0.15 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-5357A 1977		4.21	0.10
853-5357B 1977		4.38	0.27
853-5357C 1977	<a href="#">JU2340</a>	7.28	3.17
853-5357D 1977		8.38	4.27
853-5357E 1977	<a href="#">JU2341</a>	12.55	8.44



# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853 -5375 TOWNSEND INLET, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	11 MONTHS
TIME PERIOD	=	77/8 TO 78/9
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES FT. MILES DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.42 FEET
MEAN HIGH WATER (MHW)	=	4.02 FEET
MEAN TIDE LEVEL (MTL)	=	2.09 FEET
MEAN LOW WATER (MLW)	=	0.16 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853- 5375A 1977	11.54	7.52
853- 5375B 1977	9.38	5.36
853- 5375C 1977	13.39	9.37
853- 5375D 1977	7.87	3.85
853- 5375E 1977	5.46	1.44

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853 -5419 INGRAM THOROFARE, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	8 MONTHS
TIME PERIOD	=	78/3 TO 78/10
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES FT. MILES DELAWARE

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.45 FEET
MEAN HIGH WATER (MHW)	=	4.06 FEET
MEAN TIDE LEVEL (MTL)	=	2.11 FEET
MEAN LOW WATER (MLW)	=	0.15 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853- 5419 A 1977	7.21	3.15
853- 5419 B 1977	7.18	3.12
853- 5419 C 1977	7.07	3.01
853- 5419 D 1977	6.69	2.63
853- 5419 E 1977	7.35	3.29

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853 – 5445 GREAT SOUND, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	4 MONTHS
TIME PERIOD	=	78/6 TO 78/9
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES FT. MILES DELAWARE

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN HIGH WATER (MHW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.38 FEET
MEAN HIGH WATER (MHW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	ELEVATION IN FEET ABOVE <u>MHW</u>
853- 5445 A 1978	0.11
853- 5445 B 1978	2.26
853- 5445 C 1978	9.21
853- 5445 D 1978	11.64
853- 5445 E 1978	12.39

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-5451 LONGREACH, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTHS
TIME PERIOD	=	77/10 TO 77/12
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853- 5581 STONE HARBOR, GREAT CHANNEL, NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.55 FEET
MEAN HIGH WATER (MHW)	=	4.15 FEET
MEAN TIDE LEVEL (MTL)	=	2.15 FEET
MEAN LOW WATER (MLW)	=	0.16 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853- 5451A 1977	4.85	0.70
853- 5451B 1977	4.93	0.78
853- 5451C 1977	4.52	0.37
853- 5451D 1977	5.20	1.05
853- 5451E 1977	5.10	0.95

NOTE:

STATION PREVIOUSLY PROVIDED ON 9/9/86 IS SUPERSEDED DUE TO REVALUATION OF DATA.

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853 -5555 JENKINS SOUND, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTHS
TIME PERIOD	=	78/6 TO 78/8
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853 - 5419 INGRAM THOROFARE, NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN HIGH WATER (MHW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.41 FEET
MEAN HIGH WATER (MHW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	ELEVATION IN FEET ABOVE <u>MHW</u>
853- 5555 A 1978	0.72
853- 5555 B 1978	0.44
853- 5555 C 1978	1.61
853- 5555 D 1978	1.65
853- 5555 E 1978	2.60

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853 –5581 STONE HARBOR, GREAT CHANNEL, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	11 MONTHS
TIME PERIOD	=	77/8 TO 78/7
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES FT. MILES DE

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.56 FEET
MEAN HIGH WATER (MHW)	=	4.16 FEET
MEAN TIDE LEVEL (MTL)	=	2.15 FEET
NGVD 1929	=	1.27 FEET
MEAN LOW WATER (MLW)	=	0.15 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NGVD 1929 IS BASED ON ELEVATIONS PUBLISHED IN QUAD 390743, 4/82, AND NOS LEVELING OF 8/1/77

BENCH MARK ELEVATION INFORMATION:

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853- 5581 D 1977		6.38	2.22
853- 5581 E 1977	<a href="#">AH9179</a>	7.66	3.50
853- 5581 F 1977	<a href="#">AH9180</a>	6.01	1.85
S H 1 1971		6.61	2.45
CLUB 2 1939 RM NO. 1	<a href="#">JU0447</a>	6.31	2.15
CLUB 2 1939	<a href="#">JU0446</a>	5.93	1.77

NOTE:

STATION PREVIOUSLY PROVIDED ON 7/7/86 IS SUPERSEDED DUE TO REVALUATION OF THE DATA

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-5661 NUMMY ISLAND, GRASSY SAND CHANNEL, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	12 MONTHS
TIME PERIOD	=	77/10 TO 78/10
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES FT. MILES DE

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.65 FEET
MEAN HIGH WATER (MHW)	=	4.22 FEET
MEAN TIDE LEVEL (MTL)	=	2.19 FEET
MEAN LOW WATER (MLW)	=	0.15 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853- 5661 D 1977	<a href="#">AH9181</a>	12.58	8.36
853- 5661 E 1977		8.19	3.97
853- 5661 F 1977		7.78	3.56
853- 5661 G 1977		7.56	3.34
GRASSY SOUND 1962	<a href="#">JU2952</a>	26.90	22.68
GRASSY SOUND NO. 2 1962	<a href="#">AH8990</a>	26.94	22.72
GRASSY SOUND NO. 1 1962	<a href="#">AH8991</a>	25.96	21.74

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-5695 OLD TURTLE, RICHARDSON SOUND, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTHS
TIME PERIOD	=	78/6 TO 78/8
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853-5726 WEST WILDWOOD, GRASSY SOUND, NJ

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.87 FEET
MEAN HIGH WATER (MHW)	=	4.46 FEET
MEAN TIDE LEVEL (MTL)	=	2.31 FEET
MEAN LOW WATER (MLW)	=	0.15 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853- 5695 A 1978	7.17	2.71
853- 5695 B 1978	6.77	2.31
853- 5695 C 1978	8.29	3.83
853- 5695 D 1978	6.58	2.12
853- 5695 E 1978	7.15	2.69



# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-5726 WEST WILDWOOD, GRASSY SOUND, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	7 MONTHS
TIME PERIOD	=	78/3 TO 78/9
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855- 7380 LEWES FORT MILES DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.81 FEET
MEAN HIGH WATER (MHW)	=	4.40 FEET
MEAN TIDE LEVEL (MTL)	=	2.28 FEET
MEAN LOW WATER (MLW)	=	0.15 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853- 5726 B 1977	5.85	1.45
853- 5726 C 1977	8.08	3.68
853- 5726 D 1977	6.25	1.85
853- 5726 E 1977	13.07	8.67
853- 5726 F 1977	10.22	5.82

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

## 853-5805 SWAIN CHANNEL, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTHS
TIME PERIOD	=	78/7 TO 78/9
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853- 5838 SUNSET LAKE, NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.02 FEET
MEAN HIGH WATER (MHW)	=	4.60 FEET
MEAN TIDE LEVEL (MTL)	=	2.38 FEET
MEAN LOW WATER (MLW)	=	0.16 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853- 5805 A 1978	5.08	0.48
853- 5805 B 1978	5.28	0.68
853- 5805 C 1978	5.17	0.57
853- 5805 D 1978	5.29	0.69
853- 5805 E 1978	5.19	0.59

TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-5835 WILDWOOD CREST, NJ.

[1983-2001 NOAA](#)

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-5838 SUNSET LAKE, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	11 MONTHS
TIME PERIOD	=	77/10 TO 78/9
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES FT. MILES DE

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.06 FEET
MEAN HIGH WATER (MHW)	=	4.64 FEET
MEAN TIDE LEVEL (MTL)	=	2.40 FEET
MEAN LOW WATER (MLW)	=	0.16 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853- 5838 A 1977	<a href="#">AI9390</a>	7.04	2.40
853- 5838 B 1977	<a href="#">AI9389</a>	8.04	3.40
853- 5838 C 1977		9.80	5.16
853- 5838 D 1977	<a href="#">AI9399</a>	7.35	2.71
853- 5838 E 1977	<a href="#">AI9388</a>	9.35	4.71

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-5902 CAPE ISLAND CREEK, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTHS
TIME PERIOD	=	6/78 TO 8/78
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853-5901 CAPE MAY HARBOR, NJ

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.10 FEET
MEAN HIGH WATER (MHW)	=	4.67 FEET
MEAN TIDE LEVEL (MTL)	=	2.42 FEET
MEAN LOW WATER (MLW)	=	0.18 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-5902A 1978	<a href="#">HU1182</a>	8.99	4.32
853-5902B 1978	<a href="#">HU1181</a>	12.25	7.58
853-5902C 1978	<a href="#">HU1178</a>	13.99	9.32
853-5902D 1978	<a href="#">HU1177</a>	12.89	8.22
853-5902E 1978	<a href="#">HU1176</a>	13.20	8.53

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-5962 CAPE MAY, ATLANTIC OCEAN, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	4 MONTHS
TIME PERIOD	=	8/78 TO 11/78
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.16 FEET
MEAN HIGH WATER (MHW)	=	4.72 FEET
MEAN TIDE LEVEL (MTL)	=	2.43 FEET
MEAN LOW WATER (MLW)	=	0.15 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-5962F 1977	<a href="#">HU1180</a>	10.74	6.02
853-5962G 1977	<a href="#">HU1179</a>	9.99	5.27
853-5962H 1977		11.41	6.69
853-5962J 1977		12.68	7.96
Z 4 1924	<a href="#">HU0001</a>	17.15	12.43
A 5 1924	<a href="#">HU0002</a>	11.32	6.60

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-6021 CAPE MAY POINT, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	5 MONTHS
TIME PERIOD	=	77/9 TO 78/5
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES FORT MILES DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.37 FEET
MEAN HIGH WATER (MHW)	=	4.93 FEET
MEAN TIDE LEVEL (MTL)	=	2.54 FEET
MEAN LOW WATER (MLW)	=	0.15 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-6021A 1977	12.63	7.70
853-6021B 1977	13.14	8.21
853-6021C 1977	11.78	6.85
853-6021C 1977	13.22	8.29
853-6021E 1977	11.00	6.07

TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-6110

CAPE MAY, CAPE MAY CANAL, DELAWARE BAY NJ.

[1983-2001 NOAA](#)



# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-6449 DIAS CREEK NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTH
TIME PERIOD	=	78/5 TO 78/7
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853- 6581 BIDWELL CREEK ENTRANCE, NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	2.14 FEET
MEAN HIGH WATER (MHW)	=	1.96 FEET
MEAN TIDE LEVEL (MTL)	=	1.02 FEET
MEAN LOW WATER (MLW)	=	0.08 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-6449A 1978	4.37	2.77
853-6449B 1978	4.80	2.84
853-6449C 1978	9.13	7.17
853-6449C 1978	9.89	7.93
853-6449E 1978	15.21	13.25

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853 –6551 UPPER BIDWELL CREEK NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTH
TIME PERIOD	=	78/9 TO 78/11
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853- 6581 BIDWELL CREEK ENTRANCE, NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.84 FEET
MEAN HIGH WATER (MHW)	=	5.64 FEET
MEAN TIDE LEVEL (MTL)	=	2.82 FEET
MEAN LOW WATER (MLW)	=	0.01 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-6551A 1978	10.97	5.33
853-6551B 1978	11.25	5.61
853-6551C 1978	10.11	4.47
853-6551C 1978	9.47	3.83
853-6551E 1978	9.31	3.67

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853 – 6581 BIDWELL CREEK ENTRANCE, DEL. BAY NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	8 MONTHS
TIME PERIOD	=	77/11 TO 78/10
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES FT. MILES DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	6.35 FEET
MEAN HIGH WATER (MHW)	=	5.92 FEET
MEAN TIDE LEVEL (MTL)	=	3.05 FEET
MEAN LOW WATER (MLW)	=	0.18 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-6581A 1977	7.98	2.06
853-6581B 1977	9.36	3.44
853-6581C 1977	7.85	1.93
853-6581D 1977	8.02	2.10
853-6581E 1977	9.07	3.15

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-6687 SLUICE CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTHS
TIME PERIOD	=	78/5 TO 78/7
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853- 6736 DENNIS CREEK, NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.56 FEET
MEAN HIGH WATER (MHW)	=	5.31 FEET
MEAN TIDE LEVEL (MTL)	=	2.80 FEET
MEAN LOW WATER (MLW)	=	0.28 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>NGS PID #</u>	<u>ELEVATION IN FEET ABOVE</u>	
		<u>MLLW</u>	<u>MHW</u>
853- 6687 A 1978	<a href="#">AI9714</a>	11.08	5.77
853- 6687 B 1978		11.12	5.81
853- 6687 C 1978	<a href="#">AI9715</a>	9.78	4.47
853- 6687 D 1978	<a href="#">AI9716</a>	11.99	6.68
5791	<a href="#">AI9717</a>	17.85	12.54
01411435 A	<a href="#">AI9713</a>		

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-6736 DENNIS CREEK, DELAWARE BAY, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	8 MONTHS
TIME PERIOD	=	78/3 TO 78/10
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855- 7380 LEWES FT. MILES DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.76 FEET
MEAN HIGH WATER (MHW)	=	5.46 FEET
MEAN TIDE LEVEL (MTL)	=	2.86 FEET
MEAN LOW WATER (MLW)	=	0.26 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-6736A 1977	<a href="#">JU2327</a>	6.33	0.87
853-6736B 1977	<a href="#">JU2326</a>	6.15	0.69
853-6736C 1977	<a href="#">JU2325</a>	5.96	0.50
853-6736D 1977	<a href="#">JU2324</a>	5.77	0.31
853-6736E 1977	<a href="#">JU2323</a>	6.03	0.57
853-6736F 1977	<a href="#">JU2322</a>	6.83	1.37

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-6752 UPPER DENNIS CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTHS
TIME PERIOD	=	78/6 TO 78/8
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853-6736 DENNIS CREEK, NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.47 FEET
MEAN HIGH WATER (MHW)	=	5.23 FEET
MEAN TIDE LEVEL (MTL)	=	2.77 FEET
MEAN LOW WATER (MLW)	=	0.31 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID #	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-6752A 1978	<a href="#">JU2329</a>	11.24	6.01
853-6752B 1978	<a href="#">JU2330</a>	11.29	6.06
853-6752C 1978		8.46	3.23
853-6752D 1978		8.46	3.23
2769	<a href="#">JU2331</a>	8.75	3.52

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-6764 WEST CREEK, DELAWARE BAY, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	4 MONTHS
TIME PERIOD	=	77/8 TO 78/7
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES FT. MILES DE

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.30 FEET
MEAN HIGH WATER (MHW)	=	4.90 FEET
MEAN TIDE LEVEL (MTL)	=	2.53 FEET
MEAN LOW WATER (MLW)	=	0.16 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853- 6764 A 1977	6.26	1.36
853- 6764 B 1977	6.01	1.11
853- 6764 C 1977	6.19	1.29
853- 6764 D 1977	6.43	1.53
853- 6764 E 1977	6.50	1.60

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

## 853-6801 RIGGINS DITCH, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	10 MONTHS
TIME PERIOD	=	77/12 TO 78/12
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES FT. MILES DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.69 FEET
MEAN HIGH WATER (MHW)	=	5.32 FEET
MEAN TIDE LEVEL (MTL)	=	2.77 FEET
MEAN LOW WATER (MLW)	=	0.12 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853- 6801 A 1977	5.08	-0.24
853- 6801 B 1977	4.86	-0.46
853- 6801 C 1977	4.79	-0.53
853- 6801 D 1977	4.76	-0.56
853- 6801 E 1977	4.88	-0.44



# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-6823 EAST CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTH
TIME PERIOD	=	78/5 TO 78/7
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853- 6736 DENNIS CREEK, NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.36 FEET
MEAN HIGH WATER (MHW)	=	4.13 FEET
MEAN TIDE LEVEL (MTL)	=	2.18 FEET
MEAN LOW WATER (MLW)	=	0.23 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-6823A 1978	<a href="#">JU2317</a>	8.71	4.58
853-6823B 1978	<a href="#">JU2318</a>	8.67	4.54
853-6823C 1978	<a href="#">JU2316</a>	6.46	2.33
853-6823D 1978	<a href="#">JU2315</a>	7.27	3.14
853-6823E 1978	<a href="#">JU2314</a>	8.26	4.13

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-6848 FISHING CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	4 MONTHS
TIME PERIOD	=	78/8 TO 78/11
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES FT. MILES DELAWARE

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	6.22 FEET
MEAN HIGH WATER (MHW)	=	5.77 FEET
MEAN TIDE LEVEL (MTL)	=	2.97 FEET
MEAN LOW WATER (MLW)	=	0.16 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853- 6848 A 1978	6.32	0.55
853- 6848 B 1978	6.82	1.05
853- 6848 C 1978	6.97	1.20
853- 6848 D 1978	6.96	1.19
853- 6848 C 1978	7.28	1.51

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

## 853-6849 LOWER DIVIDING CREEK, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	4 MONTHS
TIME PERIOD	=	87/8 TO 78/11
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES FT. MILES DELAWARE

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	6.21 FEET
MEAN HIGH WATER (MHW)	=	5.75 FEET
MEAN TIDE LEVEL (MTL)	=	2.96 FEET
MEAN LOW WATER (MLW)	=	0.16 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-6849A 1978	6.29	0.54
853-6849B 1978	6.88	1.13
853-6849C 1978	6.13	0.38
853-6849D 1978	6.43	0.68
853-6849E 1978	6.72	0.97

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-6851 WEST CREEK , NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTHS
TIME PERIOD	=	5/78 TO 7/78
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	853-6764 WEST CREEK NJ

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	2.81 FEET
MEAN HIGH WATER (MHW)	=	2.68 FEET
MEAN TIDE LEVEL (MTL)	=	1.49 FEET
MEAN LOW WATER (MLW)	=	0.30 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-6751A		11.61	8.93
853-6751B		5.63	2.95
853-6751C		6.60	3.92
853-6751D		7.52	4.84
U8 1930	<a href="#">JU0464</a>	11.57	8.89

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-6855 RIGGINS DITCH, HEISLERVILLE NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTHS
TIME PERIOD	=	78/6 TO 78/8
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853-6801 RIGGINS DITCH NJ

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.08 FEET
MEAN HIGH WATER (MHW)	=	4.85 FEET
MEAN TIDE LEVEL (MTL)	=	2.55 FEET
MEAN LOW WATER (MLW)	=	0.23 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID #	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-6855 A 1978	<a href="#">AA7213</a>	7.59	2.74
853-6855 B 1978		6.76	1.91
853-6855 C 1978		6.24	1.39
853-6855 D 1978		5.69	0.84
853-6855 E 1978		5.75	0.90

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-6889 BIVALVE NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTHS
TIME PERIOD	=	78/8 TO 78/10
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853-7059 MAURICETOWN N.J.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	6.20 FEET
MEAN HIGH WATER (MHW)	=	5.77 FEET
MEAN TIDE LEVEL (MTL)	=	2.98 FEET
MEAN LOW WATER (MLW)	=	0.19 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-6889A 1978		7.32	1.55
853-6889B 1978	<a href="#">AI9733</a>	6.38	0.61
853-6889C 1978		7.08	1.31
853-6889D 1978	<a href="#">AA7214</a>	8.28	2.51
853-6889E 1978		5.27	-0.50

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853 –6915 FORTESCUE NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	77/9 TO 78/8
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES FT.MILES DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.44 FEET
MEAN HIGH WATER (MHW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE <u>MHW</u>
853-6915E 1977		2.42
853-6915F 1977		3.00
853-6915G 1977		2.38
NO 2 1953	<a href="#">JU1009</a>	2.33
NO 3 1953	<a href="#">JU1011</a>	3.58
NO 4 1953	<a href="#">JU1010</a>	3.25
NO 5 1953	<a href="#">JU1012</a>	2.30

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-6931 FORTESCUE , NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	2 MONTHS
TIME PERIOD	=	6/84 TO 6/87
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	853-7380 LEWES FT MILES DE

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	6.67 FEET
MEAN HIGH WATER (MHW)	=	6.25 FEET
MEAN TIDE LEVEL (MTL)	=	3.21 FEET
MEAN LOW WATER (MLW)	=	0.17 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
NO 2 1953	<a href="#">JU1009</a>	8.56	2.31
NO 3 1953	<a href="#">JU1011</a>	9.80	3.55
NO 4 1953	<a href="#">JU1010</a>	9.46	3.21
853-6915F 1977		9.24	2.99
853-6915G 1977		8.62	2.37



# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

## 853-6935 WEIR CREEK, DELAWARE BAY NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	77/11 TO 78/10
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855- 7380 LEWES

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	3.35 FEET
MEAN HIGH WATER (MHW)	=	3.14 FEET
MEAN TIDE LEVEL (MTL)	=	1.67 FEET
MEAN LOW WATER (MLW)	=	0.19 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-6935A 1977	<a href="#">AA7215</a>	6.05	2.91
853-6935B 1977		5.34	2.20
853-6935C 1977		5.40	2.26
853-6935D 1977		5.17	2.03
853-6935E 1977		5.38	2.24

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-6999 DIVIDING CREEK, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	7 MONTHS
TIME PERIOD	=	77/8 TO 78/5
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855- 7380 LEWES FT. MILES DELAWARE

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.19 FEET
MEAN HIGH WATER (MHW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE <u>MHW</u>
853-6999A 1977	<a href="#">AA7216</a>	1.23
853-6999B 1977		1.95
853-6999C 1977		9.32
853-6999D 1977		9.66
853-6999E 1977		2.74

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7026 HOLLYWOOD, BEACH, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTH
TIME PERIOD	=	77/8 TO 78/10
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853- 6935 WEIR CREEK, NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	1.40 FEET
MEAN HIGH WATER (MHW)	=	1.26 FEET
MEAN TIDE LEVEL (MTL)	=	0.69 FEET
MEAN LOW WATER (MLW)	=	0.12 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-7026 A 1978	1.74	0.48
853-7026 B 1978	1.66	0.40
853-7026 C 1978	2.02	0.76
853-7026 D 1978	2.32	1.06
853-7026 E 1978	3.70	2.44

TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7052 MONEY ISLAND NJ.

See [NOAA 1960-1978](#) epoch for descriptions

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7059 MAURICETOWN, MAURICE RIVER , NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	9/77 TO 8/78
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	855-7380 LEWES FT. MILES DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.89 FEET
MEAN HIGH WATER (MHW)	=	4.57 FEET
MEAN TIDE LEVEL (MTL)	=	2.40 FEET
MEAN LOW WATER (MLW)	=	0.23 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-7059 A 1977	<a href="#">JU2298</a>	9.72	5.15
853-7059 B 1977	<a href="#">JU2297</a>	13.16	8.59
853-7059 C 1977	<a href="#">JU2294</a>	16.96	12.39
853-7059 D 1977	<a href="#">JU2295</a>	20.49	15.92
853-7059 E 1977	<a href="#">JU2296</a>	18.37	13.80

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7079 NEWPORT LANDING, NANTUXENT CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	8 MONTHS
TIME PERIOD	=	77/9 TO 78/8
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES FT. MILES DE

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.59 FEET
MEAN HIGH WATER (MHW)	=	4.38 FEET
MEAN TIDE LEVEL (MTL)	=	2.36 FEET
MEAN LOW WATER (MLW)	=	0.34 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

### BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-7079A 1977	<a href="#">AA7217</a>	6.06	1.68
853-7079B 1977		8.69	4.31
853-7079C 1977	<a href="#">AA8553</a>	6.80	2.42
853-7079D 1977	<a href="#">AA8559</a>	5.52	1.14
853-7079E 1977		5.53	1.15

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7101 CEDAR CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	8 MONTHS
TIME PERIOD	=	77/11 TO 78/10
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	6.57 FEET
MEAN HIGH WATER (MHW)	=	6.12 FEET
MEAN TIDE LEVEL (MTL)	=	3.15 FEET
MEAN LOW WATER (MLW)	=	0.18 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-7101C 1977	<a href="#">AA7218</a>	7.41	1.29
853-7101D 1977		7.44	1.32
853-7101F 1982		5.66	-0.46
853-7101G 1982		6.12	0.00
853-7101H 1982		7.45	1.33

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7103 HUSTED LANDING, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	2 MONTHS
TIME PERIOD	=	82/6 TO 82/7
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853-7101 CEDAR CREEK NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN HIGH WATER (MHW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.36
MEAN HIGH WATER (MHW)	=	0.00

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

BENCHMARK STAMPING

853-7103 A 1982  
853-7103 B 1982  
853-7103 C 1982  
853-7103 D 1982  
853-7103 E 1982

ELEVATION IN FEET ABOVE

MHW

0.40  
0.79  
1.77  
2.77  
1.18



# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7116 BACK CREEK, DELAWARE BAY NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	2 MONTHS
TIME PERIOD	=	77/11 TO 77/12
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	6.40 FEET
MEAN HIGH WATER (MHW)	=	6.01 FEET
MEAN TIDE LEVEL (MTL)	=	3.08 FEET
MEAN LOW WATER (MLW)	=	0.14 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-7116A 1977	7.35	1.34
853-7116B 1977	7.29	1.28
853-7116C 1977	7.74	1.73
853-7116D 1977	7.70	1.69
853-7116E 1977	7.81	1.80

TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7121 SHIP JOHN SHOAL, NJ.

[NOAA/NOS CO OPS](#)

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7147 MANUMUSKIN RIVER, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	4 MONTHS
TIME PERIOD	=	6/78 TO 9/78
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	853-7059 MAURICETOWN NJ

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.86 FEET
MEAN HIGH WATER (MHW)	=	4.56 FEET
MEAN TIDE LEVEL (MTL)	=	2.40 FEET
MEAN LOW WATER (MLW)	=	0.24 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-7147 A 1977	<a href="#">JU2286</a>	17.61	13.05
853-7147 B 1977	<a href="#">JU2287</a>	17.45	12.89
853-7147 C 1977	<a href="#">JU2288</a>	13.68	9.12
853-7147 D 1977	<a href="#">JU2289</a>	15.06	10.50
853-7147 E 1977	<a href="#">JU2290</a>	18.22	13.66

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7201 UPPER CEDAR CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTHS
TIME PERIOD	=	78/8 TO 78/10
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853-7101 CEDAR CREEK N.J.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN HIGH WATER (MHW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.39 FEET
MEAN HIGH WATER (MHW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-7201A 1978		1.01
853-7201B 1978		1.56
853-7201C 1978		6.19
853-7201D 1978		6.21
853-7201E 1978		2.15

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7242 MANANTICO CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTHS
TIME PERIOD	=	6/78 TO 8/78
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	853-7059 MAURICETOWN NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.08 FEET
MEAN HIGH WATER (MHW)	=	4.78 FEET
MEAN TIDE LEVEL (MTL)	=	2.50 FEET
MEAN LOW WATER (MLW)	=	0.22 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-7242 A 1978	<a href="#">JU2282</a>	6.04	1.26
853-7242 B 1978		7.50	2.72
853-7242 C 1978	<a href="#">JU2284</a>	11.51	6.73
853-7242 D 1978	<a href="#">JU2281</a>	14.42	9.64
853-7242 E 1978		15.59	10.81
Y 8 1930	<a href="#">JU0936</a>	11.43	6.65

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7353 TYNDALLS WHARF, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTHS
TIME PERIOD	=	78/8 TO 78/12
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853-7375 GREENWICH, COHANSEY RIVER NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	6.51 FEET
MEAN HIGH WATER (MHW)	=	6.16 FEET
MEAN TIDE LEVEL (MTL)	=	3.18 FEET
MEAN LOW WATER (MLW)	=	0.20 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-7353A 1978	8.39	2.23
853-7353B 1978	20.58	14.42
853-7353C 1978	24.33	18.17
853-7353D 1978	27.59	21.43
853-7353E 1978	29.91	23.75

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7359 MILLVILLE, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTHS
TIME PERIOD	=	6/78 TO 8/78
TIDAL EPOCH	=	1966 – 1984
CONTROL STATION	=	853-7059 MAURICETOWN NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.55 FEET
MEAN HIGH WATER (MHW)	=	5.23 FEET
MEAN TIDE LEVEL (MTL)	=	2.73 FEET
MEAN LOW WATER (MLW)	=	0.24 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION.

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-7359 A 1978		7.40	2.17
853-7359 B 1978	<a href="#">JU2277</a>	13.47	8.24
A 9 1930	<a href="#">JU0939</a>	31.33	26.10
B 9 1930	<a href="#">JU0940</a>	38.39	33.16
C 9 1930	<a href="#">JU0938</a>	32.03	26.80

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7374 GREENWICH, COHANSEY RIVER NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	78/4 TO 78/12
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	6.03 FEET
MEAN HIGH WATER (MHW)	=	5.64 FEET
MEAN TIDE LEVEL (MTL)	=	2.92 FEET
MEAN LOW WATER (MLW)	=	0.20 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-7374A 1977	<a href="#">AI9749</a>	8.58	2.94
853-7374B 1977	<a href="#">AI9750</a>	11.91	6.27
853-7374C 1977		8.45	2.81
853-7374D 1977		8.71	3.07
853-7374E 1977	<a href="#">AI9751</a>	8.87	3.23



# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7416 STATHEMS NECK, STOW CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	7 MONTHS
TIME PERIOD	=	78/4 TO 78/10
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES FORT MILES DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN HIGH (MHW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.31 FEET
MEAN HIGH WATER (MHW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-7416 A 1977		1.55
853-7416 B 1977		1.16
853-7416 C 1977		2.86
853-7416 D 1977		3.98
853-7416 E 1977		7.18

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7488 PINE ISLAND, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTHS
TIME PERIOD	=	78/9 TO 78/11
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	854-5530 PHILADELPHIA, PA

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.68 FEET
MEAN HIGH WATER (MHW)	=	5.35 FEET
MEAN TIDE LEVEL (MTL)	=	2.78 FEET
MEAN LOW WATER (MLW)	=	0.21 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-7488 A 1978	8.30	2.95
853-7488 B 1978	8.49	3.14
853-7488 C 1978	7.63	2.28
853-7488 D 1978	7.42	2.07
853-7488 E 1978	7.69	2.34

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7489 RACCOON DITCH, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTHS
TIME PERIOD	=	78/8 TO 78/10
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	854-5530 PHILADELPHIA PA.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.66 FEET
MEAN HIGH WATER (MHW)	=	4.42 FEET
MEAN TIDE LEVEL (MTL)	=	2.31 FEET
MEAN LOW WATER (MLW)	=	0.20 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-7489 A 1978	8.74	4.32
853-7489 B 1978	8.77	4.35
853-7489 C 1978	9.41	4.99
853-7489 D 1978	10.06	5.64
853-7489 E 1978	11.15	6.73

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7535 MAD HORSE CREEK, DELAWARE BAY, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	78/4 TO 78/12
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	6.41 FEET
MEAN HIGH WATER (MHW)	=	6.01 FEET
MEAN TIDE LEVEL (MTL)	=	3.09 FEET
MEAN LOW WATER (MLW)	=	0.17 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-7535 A 1977	7.01	1.00
853-7535 B 1977	6.71	0.70
853-7535 C 1977	6.57	0.56
853-7535 D 1977	6.78	0.77
853-7535 E 1977	7.11	1.10

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7562 STOW CREEK, DELAWARE BAY, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	6 MONTHS
TIME PERIOD	=	77/10 TO 78/9
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES FORT MILES DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.94 FEET
MEAN HIGH WATER (MHW)	=	4.67 FEET
MEAN TIDE LEVEL (MTL)	=	2.47 FEET
MEAN LOW WATER (MLW)	=	0.27 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-7562 A 1977		10.01	5.34
853-7562 B 1977	<a href="#">AA7219</a>	6.95	2.28
853-7562 C 1977		6.49	1.82
853-7562 D 1977		8.87	4.20
853-7562 E 1977		11.51	6.84

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7589 SILVER LAKE FORK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	4 MONTHS
TIME PERIOD	=	78/9 TO 78/12
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853-7535 MAD HORSE CREEK DELAWARE BAY NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN HIGH WATER (MHW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.40 FEET
MEAN HIGH WATER (MHW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-7589 A 1978		0.42
853-7589 B 1978		0.28
853-7589 C 1978		-0.04
853-7589 D 1978		-0.16
853-7589 E 1978		-0.08

NOTE:

STATION PREVIOUSLY PROVIDED ON 9/9/86 IS SUPERSEDED DUE TO REVALUATION OF THE DATA

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

## 853-7614 ARTIFICIAL ISLAND, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	18 MONTHS
TIME PERIOD	=	79/6 TO 81/3
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES FORT MILES DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	6.51 FEET
MEAN HIGH WATER (MHW)	=	6.08 FEET
MEAN TIDE LEVEL (MTL)	=	3.14 FEET
MEAN LOW WATER (MLW)	=	0.19 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-7614 A 1977	16.64	10.56
853-7614 B 1977		
853-7614 C 1977		
853-7614 D 1977	17.64	11.56
853-7614 E 1977	17.59	11.51
853-7614 F 1980	17.67	11.59
853-7614 F 1983	17.33	11.25

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7667 HOPE CREEK, DELAWARE BAY, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	78/4 TO 78/12
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	854-5530 PHILADELPHIA, PA

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN HIGH WATER (MHW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.37 FEET
MEAN HIGH WATER (MHW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-7667A 1977		20.05
853-7667B 1977		20.11
853-7667C 1977		2.65
853-7667D 1977		2.53
853-7667E 1977		1.39



# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7689 UPPER HOPE CREEK NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	5 MONTHS
TIME PERIOD	=	8/78 TO 12/78
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES, FORT MILES, DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN HIGH (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.34 FEET
MEAN HIGH WATER (MHW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>
853-7689A 1978	<u>MHW</u> -0.33
853-7689B 1978	4.27
853-7689C 1978	4.10
853-7689D 1978	4.23
853-7689E 1978	4.16

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

## 853-7731 LOWER ALLOWAY CREEK, DEL. BAY, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	1 MONTHS
TIME PERIOD	=	78/9 TO 78/9
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853- 7753 HANCOCKS BRIDGE, NJ

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.94 FEET
MEAN HIGH WATER (MHW)	=	5.59 FEET
MEAN TIDE LEVEL (MTL)	=	2.89 FEET
MEAN LOW WATER (MLW)	=	0.19 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-7731 A 1977	8.99	3.40
853-7731 B 1977	6.96	1.37
853-7731 C 1977	9.09	3.50
853-7731 C 1977	9.12	3.53
853-7731 E 1977	9.12	3.53

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7753 HANCOCKS BRIDGE, ALLOWAY CREEK, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	8 MONTHS
TIME PERIOD	=	78/5 TO 78/12
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	854- 7380 LEWES FT MILES DE

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.44
MEAN HIGH WATER (MHW)	=	5.11
MEAN TIDE LEVEL (MTL)	=	2.66
MEAN LOW WATER (MLW)	=	0.20
MEAN LOWER LOW WATER (MLLW)	=	0.00

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-7753 A 1977	7.43	2.32
853-7753 B 1977	5.49	0.38
853-7753 C 1977	4.91	-0.20
853-7753 D 1977	4.91	-0.20
853-7753 E 1977	4.73	-0.38

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7774 ABBOTS MEADOW, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTH
TIME PERIOD	=	78/9 TO 78/11
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	854- 5530 PHILADELPHIA PA

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.56 FEET
MEAN HIGH WATER (MHW)	=	5.24 FEET
MEAN TIDE LEVEL (MTL)	=	2.70 FEET
MEAN LOW WATER (MLW)	=	0.17 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-7774 A 1978	10.27	5.03
853-7774 B 1978	8.00	2.76
853-7774 C 1978	8.10	2.86
853-7774 C 1978	7.75	2.51
853-7774 E 1978	7.85	2.61

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7779 COOPER CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTH
TIME PERIOD	=	78/9 TO 78/11
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	854- 5530 PHILADELPHIA PA

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.83 FEET
MEAN HIGH WATER (MHW)	=	4.55 FEET
MEAN TIDE LEVEL (MTL)	=	2.38 FEET
MEAN LOW WATER (MLW)	=	0.21 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-7779 A 1978	9.39	4.84
853-7779 B 1978	9.40	4.85
853-7779 C 1978	8.40	3.85
853-7779 C 1978	8.78	4.23
853-7779 E 1978	10.75	6.20

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7847 MILL CREEK, ELSINBORO, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	4 MONTHS
TIME PERIOD	=	78/9 TO 78/12
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853-7380 LEWES FT MILES DE

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN HIGH WATER (MHW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.40 FEET
MEAN HIGH WATER (MHW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	ELEVATION IN FEET ABOVE <u>MHW</u>
853-7847 A 1978	2.25
853-7847 B 1978	1.15
853-7847 C 1978	3.85
853-7847 D 1978	4.84
853-7847 E 1978	6.85

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

### 853-7889 QUINTON, ALLOWAY CREEK

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	11 MONTHS
TIME PERIOD	=	1/78 TO 12/78
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	855-7380 LEWES FT MILES DE.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.29 FEET
MEAN HIGH WATER (MHW)	=	4.03 FEET
MEAN TIDE LEVEL (MTL)	=	2.15 FEET
MEAN LOW WATER (MLW)	=	0.26 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>NGS PID#</u>	<u>ELEVATION IN FEET ABOVE</u>	
		<u>MLLW</u>	<u>MHW</u>
853-7889A 1977	<a href="#">JU2253</a>	6.54	2.51
853-7889B 1977	<a href="#">JU2251</a>	10.32	6.29
853-7889C 1977	<a href="#">JU2250</a>	4.80	0.77
853-7889D 1977	<a href="#">JU2249</a>	6.58	2.55
853-7889E 1977	<a href="#">JU2252</a>	10.11	6.08
P9 1930	<a href="#">JU0645</a>	21.92	17.89
Q9 1930	<a href="#">JU0647</a>	10.15	6.12

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7942 ALLOWAY, ALLOWAY CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	4 MONTHS
TIME PERIOD	=	78/9 TO 78/12
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853-7889 QUINTON, NJ

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN HIGH WATER (MHW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.23 FEET
MEAN HIGH WATER (MHW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	ELEVATION IN FEET ABOVE
	<u>MHW</u>
853-7942 A 1978	2.64
853-7942 B 1978	12.55
853-7942 C 1978	11.06
853-7942 D 1978	9.67
853-7942 E 1978	13.76



## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7961 SALEM RIVER, SINNICKSON LANDING, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	10 MONTHS
TIME PERIOD	=	3/78 TO 12/78
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	855-7380 LEWES FT MILES DE

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.87 FEET
MEAN HIGH WATER (MHW)	=	5.46 FEET
MEAN TIDE LEVEL (MTL)	=	2.81 FEET
MEAN LOW WATER (MLW)	=	0.16 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>NGS PID#</u>	<u>ELEVATION IN FEET ABOVE</u>	
		<u>MLLW</u>	<u>MHW</u>
853-7961A 1977	<a href="#">JU2243</a>	9.13	3.67
853-7961B 1977	<a href="#">JU2242</a>	8.97	3.51
853-7961C 1977	<a href="#">JU2241</a>	7.33	1.87
853-7961D 1977	<a href="#">JU2240</a>	8.37	2.91
853-7961E 1977	<a href="#">JU2239</a>	10.08	4.62

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-7979 SALEM, SALEM RIVER NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	4 MONTHS
TIME PERIOD	=	9/78 TO 12/78
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853-7961 SINNICKSON NJ

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.67 FEET
MEAN HIGH WATER (MHW)	=	4.34 FEET
MEAN TIDE LEVEL (MTL)	=	2.26 FEET
MEAN LOW WATER (MLW)	=	0.17 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>NGS PID#</u>	<u>ELEVATION IN FEET ABOVE</u>	
		<u>MLLW</u>	<u>MHW</u>
853-7979A 1978	<a href="#">JU2238</a>	8.67	4.33
853-7979B 1978	<a href="#">JU2245</a>	10.01	5.67
853-7979C 1978	<a href="#">JU2237</a>	11.69	7.35
1		10.40	6.06
T9 1930	<a href="#">JU0652</a>	14.70	10.36

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-8055 MILL CREEK, PENNS NECK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	4 MONTHS
TIME PERIOD	=	78/9 TO 78/12
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853-9761 SINNICKSON, NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN HIGH WATER (MHW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.43 FEET
MEAN HIGH WATER (MHW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	ELEVATION IN FEET ABOVE <u>MHW</u>
853-8055 A 1978	2.55
853-8055 B 1978	2.47
853-8055 C 1978	2.09
853-8055 D 1978	6.10
853-8055 E 1978	6.11

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-8086 KATES CREEK MEADOW, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	4 MONTHS
TIME PERIOD	=	78/9 TO 78/12
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	854-5530 PHILADELPHIA PA.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN HIGH WATER (MHW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.27 FEET
MEAN HIGH WATER (MHW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE <u>MHW</u>
853-8086 A 1978		4.96
853-8086 B 1978	<a href="#">AI4347</a>	5.98
853-8086 C 1978		3.34
853-8086 D 1978		4.21
853-8086 E 1978		8.92

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-8095 WINSLOW FARMS SALEM RIVER NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	7 MONTHS
TIME PERIOD	=	78/6 TO 78/12
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	854- 5530 PHILADELPHIA PA.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN HIGH WATER (MHW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.26 FEET
MEAN HIGH WATER (MHW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE <u>MHW</u>
853-8095 A 1977		2.13
853-8095 B 1977		2.53
853-8095 C 1977		3.83
853-8095 D 1977		6.03
853-8095 E 1977	<a href="#">AI4351</a>	7.57

# TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-8138 BEAVER DAM NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTH
TIME PERIOD	=	78/8 TO 78/11
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	854-5530 PHILADELPHIA PA.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN HIGH WATER (MHW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.26 FEET
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MEAN HIGH WATER (MHW)	=	0.00 FEET
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NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	ELEVATION IN FEET ABOVE
	<u>MHW</u>
853-8138 A 1978	1.81
853-8138 B 1978	1.20
853-8138 C 1978	1.60
853-8138 D 1978	2.26
1	1.54

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-8231 DEEPWATER GENERATING CO. NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	11 MONTHS
TIME PERIOD	=	6/77 TO 5/78
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	854-5530 PHILADELPHIA PA.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	6.14 FEET
MEAN HIGH WATER (MHW)	=	5.75 FEET
MEAN TIDE LEVEL (MTL)	=	2.96 FEET
MEAN LOW WATER (MLW)	=	0.17 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-8231A 1977	<a href="#">JU2202</a>	10.93	5.18
853-8231B 1977	<a href="#">JU2208</a>	10.04	4.29
853-8231C 1977	<a href="#">JU2209</a>	10.00	4.25
853-8231D 1977	<a href="#">JU2210</a>	10.03	4.28
2952D	<a href="#">JU2206</a>	12.38	6.63

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-8274 AUBURN, OLDMANS CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	1 MONTH
TIME PERIOD	=	77/10 TO 77/10
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	853- 8369 PEDRICKTOWN, OLDMANS CREEK, NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	3.18 FEET
MEAN HIGH WATER (MHW)	=	2.99 FEET
MEAN TIDE LEVEL (MTL)	=	1.63 FEET
MEAN LOW WATER (MLW)	=	0.27 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID #	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-8274 B 1977		19.22	16.23
853-8274 C 1977		19.29	16.30
853-8274 D 1977		21.37	18.38
853-8274 E 1977	<a href="#">AI4346</a>	27.35	24.36
OLDMANS 1933	<a href="#">JU3235</a>	20.86	17.87



## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-8355 SWEDESBORO, RACCOON CREEK NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	6 MONTH
TIME PERIOD	=	77/10 TO 78/5
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	854-5530 PHILADELPHIA PA.

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION, REFERRED TO MEAN HIGH WATER.

<u>BENCHMARK STAMPING</u>	<u>MHW</u>
853-8355 A 1977	11.69
853-8355 B 1977	12.85
853-8355 C 1977	11.74
853-8355 D 1977	12.32
835-8355 E 1977	12.61

NOTE:

ORIGINAL DATA NOT AVAILABLE, DATA COMPUTED BY APPLYING DIFFERENCE BETWEEN EPOCHS RECORDED AT THEIR CONTROL STATIONS

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-8369 PEDRICKTOWN, OLDMANS CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	7 MONTH
TIME PERIOD	=	77/5 TO 77/11
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	854-5530 PHILADELPHIA PA.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.67 FEET
MEAN HIGH WATER (MHW)	=	4.43 FEET
MEAN TIDE LEVEL (MTL)	=	2.34 FEET
MEAN LOW WATER (MLW)	=	0.25 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-8369 A 1977		7.35	2.92
853-8369 B 1977		7.34	2.91
853-8369 C 1977		14.43	10.00
PEDRICKTOWN 1933	<a href="#">JU3308</a>	7.80	3.37
PEDRICKTOWN RM 1 1933		11.19	6.76

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853 – 8438 MANTUA, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	5 MONTHS
TIME PERIOD	=	78/5 TO 78/9
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	853- 8512 MANTUA CREEK PAULSBORO NJ

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.64 FEET
MEAN HIGH WATER (MHW)	=	4.37 FEET
MEAN TIDE LEVEL (MTL)	=	2.29 FEET
MEAN LOW WATER (MLW)	=	0.21 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	ELEVATION IN FEET ABOVE	
	<u>MLLW</u>	<u>MHW</u>
853-8438 A 1978	25.28	20.91
853-8438 B 1978	37.39	33.02
853-8438 C 1978	39.52	35.15
853-8438 D 1978	42.47	38.10
853-8438 E 1978	44.10	39.73

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-8449 BRIDGEPORT, RACON CREEK, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	8 MONTHS
TIME PERIOD	=	78/3 TO 78/10
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	854- 5530 PHILADELPHIA PA

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.94 FEET
MEAN HIGH WATER (MHW)	=	5.59 FEET
MEAN TIDE LEVEL (MTL)	=	2.89 FEET
MEAN LOW WATER (MLW)	=	0.19 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-8449 A 1977		7.33	1.74
853-8449 B 1977		10.97	5.38
853-8449 C 1977		16.33	10.74
853-8449 D 1977		12.52	6.93
G 10 1930	<a href="#">JU0663</a>	11.58	5.99

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-8479 SUNSET BEACH, BIG TIMBER CREEK, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	1 MONTH
TIME PERIOD	=	77/10 TO 77/10
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	853-8601 BIG TIMBER CREEK WESTVILLE NJ

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN HIGH WATER (MHW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.31 FEET
MEAN HIGH WATER (MHW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	ELEVATION IN FEET ABOVE <u>MHW</u>
853-8479 A 1977	11.50
853-8479 B 1977	4.10
853-8479 C 1977	2.85
853-8479 D 1977	7.09
853-8479 E 1977	17.46

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-8512 PAULSBORO, MANTUA CREEK, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	8/77 TO 7/78
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	854-5530 PHILADELPHIA PA.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN HIGH WATER (MHW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	6.17 FEET
MEAN HIGH WATER (MHW)	=	5.79 FEET
MEAN TIDE LEVEL (MTL)	=	2.98 FEET
NGVD 1929*	=	2.11 FEET
MEAN LOW WATER (MLW)	=	0.18 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

\*NGVD IS BASED ON ELEVATIONS PUBLISHED IN QUAD 390751, 6/82 AND NOS LEVELING OF 7/19/77

### BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		MLLW	<u>MHW</u>
853-8512 A 1977		10.95	5.14
853-8512 B 1977		14.99	9.20
853-8512 C 1977		17.01	11.22
M 10 1930	<a href="#">JU0669</a>	11.69	5.90
L 10 1930	<a href="#">JU0668</a>		

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-8548 WOODBURY CREEK, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	2 MONTHS
TIME PERIOD	=	78/4 TO 78/5
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	854-5530 PHILADELPHIA PA.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	6.38
MEAN HIGH WATER (MHW)	=	5.98
MEAN TIDE LEVEL (MTL)	=	3.08
MEAN LOW WATER (MLW)	=	0.17
MEAN LOWER LOW WATER (MLLW)	=	0.00

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-8548 A 1977	7.69	1.71
853-8548 B 1977	6.87	0.89
853-8548 C 1977	5.20	-0.78
853-8548 D 1977	12.24	6.26
853-8548 E 1977	25.61	19.63

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-8552 BILLINGSPORT, DELAWARE BAY, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	4 MONTHS
TIME PERIOD	=	81/6 TO 81/9
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	854-5530 PHILADELPHIA PA.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	6.24 FEET
MEAN HIGH WATER (MHW)	=	5.84 FEET
MEAN TIDE LEVEL (MTL)	=	3.01 FEET
MEAN LOW WATER (MLW)	=	0.18 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-8552 A 1980	<a href="#">AI4334</a>	24.73	18.89
853-8552 B 1980		25.35	19.51
853-8552 C 1980		25.87	20.03
853-8552 D 1980		30.49	24.65
853-8552 E 1980		31.21	25.37



## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-8601 WESTVILLE, BIG TIMBER CREEK, NJ

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	8 MONTHS
TIME PERIOD	=	77/4 TO 77/11
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	854-5530 PHILADELPHIA PA.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	6.44 FEET
MEAN HIGH WATER (MHW)	=	6.05 FEET
MEAN TIDE LEVEL (MTL)	=	3.12 FEET
MEAN LOW WATER (MLW)	=	0.19 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-8601 A 1977		7.43	1.38
853-8601 D 1977		21.20	15.15
853-8601 E 1977		14.26	8.21
14.108 S10 1930	<a href="#">JU0676</a>	16.22	10.17

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-8752 PAVONIA, COOPER RIVER, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	9 MONTHS
TIME PERIOD	=	78/3 TO 78/11
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	854-5530 PHILADELPHIA PA.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	6.90 FEET
MEAN HIGH WATER (MHW)	=	6.51 FEET
MEAN TIDE LEVEL (MTL)	=	3.35 FEET
MEAN LOW WATER (MLW)	=	0.20 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-8752 A 1977		8.67	2.16
853-8752 B 1977		10.86	4.35
853-8752 C 1977	<a href="#">AI4367</a>	11.07	4.56
853-8752 D 1977		13.97	7.46
R 63 1963	<a href="#">JU0694</a>	11.24	4.73

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-8824 HAINESPORT, RANCOCAS CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	2 MONTH
TIME PERIOD	=	77/10 TO 77/11
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	853-8921 BRIDGEBORO NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	4.12 FEET
MEAN HIGH WATER (MHW)	=	3.87 FEET
MEAN TIDE LEVEL (MTL)	=	2.04 FEET
MEAN LOW WATER (MLW)	=	0.20 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-8824 A 1977	11.94	8.07
853-8824 B 1977	27.72	23.85
853-8824 C 1977	30.70	26.83
853-8824 D 1977	24.85	20.98
853-8824 E 1977	22.58	18.71

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-8831 CINNAMINSON, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	4 MONTH
TIME PERIOD	=	78/7 TO 78/10
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	854-5530 PHILADELPHIA PA.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN HIGH WATER (MHW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.30 FEET
MEAN HIGH WATER (MHW)	=	0.00FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-8831 A 1978		17.18
853-8831 B 1978		17.36
853-8831 C 1978		17.81
853-8831 D 1978		16.89
853-8831 E 1978		16.93
853-8831 F 1978		9.67

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-8848 NORTH BRANCH, RANCOCAS CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	1 MONTH
TIME PERIOD	=	77/10 TO 77/10
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	853-8921 BRIDGEBORO NJ.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	3.24 FEET
MEAN HIGH WATER (MHW)	=	3.00 FEET
MEAN TIDE LEVEL (MTL)	=	1.56 FEET
MEAN LOW WATER (MLW)	=	0.12 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>ELEVATION IN FEET ABOVE</u>	
	<u>MLLW</u>	<u>MHW</u>
853-8848 A 1977	4.57	1.57
853-8848 B 1977	5.84	2.84
853-8848 C 1977	5.17	2.17
853-8848 D 1977	7.53	4.53
853-8848 E 1977	9.31	6.31

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

### 853-8853 PALMYRA, PENNSAUKEN CREEK

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	7 MONTHS
TIME PERIOD	=	4/78 TO 10/78
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	854-5530 PHILADELPHIA PA.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	5.80 FEET
MEAN HIGH WATER (MHW)	=	5.46 FEET
MEAN TIDE LEVEL (MTL)	=	2.84 FEET
MEAN LOW WATER (MLW)	=	0.23 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-8853A 1977	<a href="#">AB6686</a>	11.77	6.31
853-8853B 1977		16.13	10.67
853-8853C 1977		10.09	4.63
853-8853D 1977		11.50	6.04
853-8853E 1977		19.77	14.31

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-8875 POMPESTON CREEK, DELAWARE RIVER NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	2 MONTH
TIME PERIOD	=	77/10 TO 77/11
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	854-5530 PHILADELPHIA PA.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	6.83 FEET
MEAN HIGH WATER (MHW)	=	6.46 FEET
MEAN TIDE LEVEL (MTL)	=	3.28 FEET
MEAN LOW WATER (MLW)	=	0.10 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID #	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-8875 A 1977		7.34	0.88
853-8875 B 1977	<a href="#">AB6684</a>	14.10	7.64
853-8875 C 1977	<a href="#">AB6685</a>	14.72	8.26
853-8875 D 1977	<a href="#">AB6683</a>	15.89	9.43
V 75 1974	<a href="#">KV1863</a>	9.66	3.20

TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-8886 TACONY-PALMYRA BRIDGE

[1983-2001 NOAA](#)



## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-8921 BRIDGEBORO, RANCOCAS CREEK, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	7 MONTHS
TIME PERIOD	=	78/6 TO 78/12
TIDAL EPOCH	=	1966-1984 ( <a href="#">1960-1978</a> ) NOAA
CONTROL STATION	=	854-5530 PHILADELPHIA PA

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	6.96 FEET
MEAN HIGH WATER (MHW)	=	6.60 FEET
MEAN TIDE LEVEL (MTL)	=	3.40 FEET
MEAN LOW WATER (MLW)	=	0.19 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID #	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-8921A 1977	<a href="#">AI9763</a>	21.33	14.73
853-8921B 1977	<a href="#">AI9764</a>	27.29	20.69
853-8921C 1977		26.47	19.87
853-8921D 1977		27.13	20.53
853-8921E 1977		22.15	15.55
853-8921F 1977	<a href="#">KV6652</a>		
853-8921G 1977	<a href="#">AI9765</a>		
853-8921H 1977			
853-8921J	<a href="#">AI9766</a>		

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-9058 ASSISCUNK CREEK, DELAWARE RIVER, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	2 MONTHS
TIME PERIOD	=	77/10 TO 77/11
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	853-9094 BURLINGTON NJ

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	7.28 FEET
MEAN HIGH WATER (MHW)	=	6.91 FEET
MEAN TIDE LEVEL (MTL)	=	3.54 FEET
MEAN LOW WATER (MLW)	=	0.17 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-9058A 1977	<a href="#">KV6660</a>	15.57	8.66
853-9058B 1977	<a href="#">KV6661</a>	17.75	10.84
853-9058C 1977	<a href="#">KV6662</a>	12.62	5.71
853-9058D 1977	<a href="#">KV6663</a>	9.97	3.06

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-9094 BURLINGTON, DELAWARE RIVER, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	10 MONTHS
TIME PERIOD	=	77-3 TO 78- 2
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	854- 5530 PHILADELPHIA PA.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	7.86 FEET
MEAN HIGH WATER (MHW)	=	7.47 FEET
MEAN TIDE LEVEL (MTL)	=	3.83 FEET
MEAN LOW WATER (MLW)	=	0.19 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-9094A 1977	<a href="#">AI9759</a>	15.21	7.74
853-9094B 1977	<a href="#">AI9758</a>	15.17	7.70
853-9094C 1977	<a href="#">AI9760</a>	12.55	5.08
853-9094D 1977		12.79	5.32
853-9094E 1977	<a href="#">AI9761</a>	12.64	5.17
B 76 1974	<a href="#">KV1161</a>	20.44	12.97

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-9487 FIELDSBORO, DELAWARE RIVER NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	10 MONTHS
TIME PERIOD	=	4/77 TO 1/78
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	854-5530 PHILADELPHIA PA.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	8.45 FEET
MEAN HIGH WATER (MHW)	=	8.06 FEET
MEAN TIDE LEVEL (MTL)	=	4.13 FEET
MEAN LOW WATER (MLW)	=	0.19 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>NGS PID#</u>	<u>ELEVATION IN FEET ABOVE</u>	
		<u>MLLW</u>	<u>MHW</u>
853-9487A 1977	<a href="#">KV5987</a>	14.00	5.94
853-9487B 1977		14.75	6.69
853-9487C 1977	<a href="#">KV5988</a>	14.10	6.04
853-9487D 1977	<a href="#">KV5989</a>	38.47	30.41
853-9487E 1977	<a href="#">KV5990</a>	53.21	45.15

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-9494 BLACKS CREEK, DELAWARE RIVER NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	3 MONTHS
TIME PERIOD	=	10/77 TO 12/77
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	854-5530 PHILADELPHIA PA.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.36 FEET
MEAN HIGH WATER (MHW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE <u>MHW</u>
853-9494A 1977		6.90
853-9494B 1977		48.55
853-9494C 1977	<a href="#">KV5993</a>	55.61
853-9494D 1977	<a href="#">KV5991</a>	47.94
853-9494E 1977	<a href="#">KV5992</a>	48.06
B 76 1974		

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-9776 UPPER CROSSWICKS CREEK NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	1 MONTH
TIME PERIOD	=	5/78 TO 5/78
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	854-5530 PHILADELPHIA PA.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID #	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-9776A 1978			12.30
853-9776B 1978			12.60
853-9776C 1978			17.92
853-9776D 1978			11.56
Y 74 1974	<a href="#">KV1138</a>		12.63

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-9808 SYLVAN GLEN, CROSSWICKS CREEK NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	11 MONTHS
TIME PERIOD	=	4/77 TO 3/78
TIDAL EPOCH	=	1966-1984
CONTROL STATION	=	854-5530 PHILADELPHIA PA.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	0.29 FEET
MEAN HIGH WATER (MHW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	<u>NGS PID#</u>	<u>ELEVATION IN FEET ABOVE MHW</u>
853-9808A 1977	<a href="#">KV6002</a>	11.04
853-9808B 1977	<a href="#">KV6003</a>	11.08
853-9808C 1977		9.74
853-9808D 1977		20.52
853-9808E 1977		34.16

## TIDAL DATUMS AND BENCHMARK ELEVATION SHEET

853-9993 TRENTON MARINE TERMINAL, NJ.

TIDAL DATUMS AT THIS STATION ARE BASED ON THE FOLLOWING:

LENGTH OF SERIES	=	60 MONTHS
TIME PERIOD	=	1/78 TO 12/82
TIDAL EPOCH	=	1966-1984 ( <a href="#">1983-2001</a> ) NOAA
CONTROL STATION	=	854-5530 PHILADELPHIA PA.

ELEVATIONS OF TIDAL DATUMS REFERRED TO MEAN LOWER LOW WATER (MLLW) ARE AS FOLLOWS:

MEAN HIGHER HIGH WATER (MHHW)	=	8.73 FEET
MEAN HIGH WATER (MHW)	=	8.35 FEET
MEAN TIDE LEVEL (MTL)	=	4.27 FEET
MEAN LOW WATER (MLW)	=	0.20 FEET
MEAN LOWER LOW WATER (MLLW)	=	0.00 FEET

NO NGVD CONNECTION AT THIS STATION

BENCH MARK ELEVATION INFORMATION

<u>BENCHMARK STAMPING</u>	NGS PID#	ELEVATION IN FEET ABOVE	
		<u>MLLW</u>	<u>MHW</u>
853-9993A 1982	<a href="#">KV6014</a>	15.76	7.41
853-9993B 1982	<a href="#">KV6013</a>	16.99	8.64
853-9993C 1981	<a href="#">KV6011</a>	20.85	12.50
853-9993D 1982	<a href="#">KV6016</a>	17.39	9.04
853-9993E 1983	<a href="#">KV6012</a>	18.22	9.87
853-9993F 1983		22.73	14.38
853-9993G 1983		13.43	5.08
2 1952	<a href="#">KV1079</a>	18.03	9.68
(unstamped)		15.35	7.00