



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE
Silver Spring, Maryland 20910

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: October 18, 1999

HYDROGRAPHIC BRANCH: Atlantic
HYDROGRAPHIC PROJECT: OPR-B663-RU-99
HYDROGRAPHIC SHEET: H-10795

LOCALITY: Block Island Sound, RI
TIME PERIOD: April 06, 1998 - August 19, 1999

TIDE STATION USED: 845-9681 Block Island, SW End
Lat. 41° 09.8'N Lon. 71° 36.6'W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 0.845 meters

TIDE STATION USED: 851-0560 Montauk, Fort Pond Bay
Lat. 41° 02.9'N Lon. 71° 57.6'W
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 0.000 meters
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 0.704 meters

REMARKS: RECOMMENDED ZONING
Use zone(s) identified as: ATL500, ATL501, ATL502, ATL503, BIS1,
BIS2, BIS3, BIS4, BIS5, BIS6, BIS10 & BIS11.

Refer to attachments for zoning information.

Note 1: Provided time series data are tabulated in metric units
(Meters), relative to MLLW and on Greenwich Mean Time.

Note 2: Use tide data from the appropriate station with
applicable zoning correctors for each zone according to the order
in which they are listed in the Tidezone corrector files. For
example, tide station one(TS1) would be the first choice for an
applicable zone followed by TS2, etc. when data are not
available.

Thomas V. Yero 10/18/99

CHIEF, REQUIREMENTS AND DEVELOPMENT DIVISION

Final tide zone node point locations for OPR-B663-RU-99,
Sheet H-10795.

Format: Longitude in decimal degrees (negative value denotes
Longitude West),
Latitude in decimal degrees
Tide Station (in recommended order of use)
Average Time Correction (in minutes)
Range Correction

		Tide Station Order	AVG Time Correction	Range Correction
1)	Zone BIS1			
	-71.705192 41.115149	8459681	-24	0.97
	-71.664448 41.144801	8510560	-102	1.20
	-71.695246 41.141414			
	-71.736123 41.132106			
	-71.772568 41.119445			
	-71.801626 41.106036			
	-71.81245 41.097703			
	-71.825716 41.089676			
	-71.872794 41.067241			
	-71.859884 41.070316			
	-71.850198 41.072614			
	-71.8335 41.078147			
	-71.81235 41.085946			
	-71.793204 41.09253			
	-71.752737 41.103721			
	-71.705192 41.115149			
2)	Zone BIS2			
	-71.595791 41.129797	8459681	-18	1.02
	-71.582706 41.140158	8510560	-102	1.27
	-71.576258 41.150163			
	-71.598718 41.147184			
	-71.613516 41.14667			
	-71.664448 41.144801			
	-71.705192 41.115149			
	-71.666581 41.121985			
	-71.595791 41.129797			
3)	Zone BIS3			
	-71.644981 41.175153	8459681	-6	1.00
	-71.664448 41.144801	8510560	-84	1.24

-71.598718 41.147184
-71.603484 41.180856
-71.619149 41.175596
-71.644981 41.175153

Zone BIS4

-71.664448 41.144801	8459681	-6	0.95
-71.644981 41.175153	8510560	-90	1.17
-71.706107 41.174109			
-71.756657 41.159587			
-71.795375 41.140405			
-71.819855 41.115133			
-71.838547 41.102001			
-71.84512 41.090441			
-71.872794 41.067241			
-71.825716 41.089676			
-71.81245 41.097703			
-71.801626 41.106036			
-71.772568 41.119445			
-71.736123 41.132106			
-71.695246 41.141414			
-71.664448 41.144801			

Zone BIS5

-71.795077 41.189787	8459681	+6	0.91
-71.78888 41.165698	8510560	-78	1.13
-71.795375 41.140405			
-71.819855 41.115133			
-71.838547 41.102001			
-71.84512 41.090441			
-71.872794 41.067241			
-71.865412 41.093921			
-71.862169 41.109646			
-71.856729 41.122973			
-71.845414 41.141396			
-71.827137 41.16376			
-71.795077 41.189787			

Zone BIS6

-71.644981 41.175153	8459681	+6	0.95
-71.633451 41.193131	8510560	-72	1.17
-71.636122 41.229039			
-71.663039 41.257485			
-71.687196 41.272786			
-71.705181 41.251306			
-71.752565 41.220219			

-71.795077 41.189787
-71.78888 41.165698
-71.795375 41.140405
-71.756657 41.159587
-71.706107 41.174109
-71.644981 41.175153

Zone BIS10

-71.795077 41.189787	8459681	+18	0.89
-71.81581 41.206173	8510560	-60	1.10
-71.840515 41.218711			
-71.880918 41.165838			
-71.890014 41.147317			
-71.895237 41.127415			
-71.894803 41.11014			
-71.88719 41.091708			
-71.872794 41.067241			
-71.865412 41.093921			
-71.862169 41.109646			
-71.856729 41.122973			
-71.845414 41.141396			
-71.827137 41.16376			
-71.795077 41.189787			

Zone BIS11

-71.840515 41.218711	8459681	+36	0.87
-71.871772 41.233343	8510560	-48	1.08
-71.915143 41.169817			
-71.928845 41.141838			
-71.932242 41.122259			
-71.924189 41.10358			
-71.903026 41.083331			
-71.895586 41.076426			
-71.883163 41.073438			
-71.872794 41.067241			
-71.88719 41.091708			
-71.894803 41.11014			
-71.895237 41.127415			
-71.890014 41.147317			
-71.880918 41.165838			
-71.840515 41.218711			

5) Zone ATL500

-71.877737 41.051992	8459681	-30	0.97
-71.775441 41.081533	8510560	-108	1.20
-71.705192 41.115149			

-71.752737 41.103721
-71.793204 41.09253
-71.81235 41.085946
-71.8335 41.078147
-71.850198 41.072614
-71.859884 41.070316
-71.872794 41.067241
-71.877737 41.051992

6) Zone ATL501

-71.595791 41.129797	8459681	-30	1.02
-71.644882 41.090697	8510560	-114	1.27
-71.754703 41.040966			
-71.883124 41.007654			
-72.123383 40.946451			
-72.268759 40.91568			
-72.185596 40.950021			
-71.877737 41.051992			
-71.775441 41.081533			
-71.705192 41.115149			
-71.666581 41.121985			
-71.595791 41.129797			

Zone ATL502

-71.754703 41.040966	8459681	-30	1.10
-71.644882 41.090697	8510560	-114	1.36
-71.595791 41.129797			
-71.564619 41.133228			
-71.523675 41.14672			
-71.478508 41.173794			
-71.444331 41.205755			
-71.459135 41.150748			
-71.498845 41.092733			
-71.523707 41.074352			
-71.754703 41.040966			

Zone ATL503

-72.268759 40.91568	8459681	-36	1.10
-72.356515 40.881808	8510560	-120	1.36
-72.469299 40.843402			
-72.674168 40.786672			
-72.833729 40.743293			
-72.700514 40.741575			
-72.558267 40.755313			
-72.169152 40.862713			
-71.854191 40.944919			

-71.699403 40.982158
-71.583646 41.03008
-71.523707 41.074352
-71.754703 41.040966
-71.883124 41.007654
-72.123383 40.946451
-72.268759 40.91568