



UNITED STATES DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL OCEAN SERVICE
Office of Ocean and Earth Sciences
Silver Spring, Maryland 20910

TIDE NOTE FOR HYDROGRAPHIC SURVEY

DATE: March 9, 1995

HYDROGRAPHIC SECTION: Atlantic

HYDROGRAPHIC PROJECT: OPR-G115-WH

HYDROGRAPHIC SHEET: H-10581

LOCALITY: Wilmington River and Wassaw Sound

TIME PERIOD: October 6 - November 14, 1994

TIDE STATION USED: 867-0893 Palmer Johnson Shipyard, Ga.
Lat. $32^{\circ} 1.4'N$ Lon. $81^{\circ} 2.8'W$
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 6.41 ft.
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 8.0 ft.

TIDE STATION USED: 867-0967 Turner Creek, Ga.
Lat. $32^{\circ} 0.5'N$ Lon. $80^{\circ} 59.9'W$
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 9.31 ft.
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 7.7 ft.

TIDE STATION USED: 867-1086 Skidaway Institute, Ga.
Lat. $31^{\circ} 59.4'N$ Lon. $81^{\circ} 1.4'W$
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 7.39 ft.
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 7.9 ft.

TIDE STATION USED: 867-1314 Halfmoon Reef, Ga.
Lat. $31^{\circ} 57.8'N$ Lon. $80^{\circ} 56.6'W$
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 6.87 ft.
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 7.2 ft.

TIDE STATION USED: 867-1315 Priest Landing, Ga.
Lat. $31^{\circ} 57.8'N$ Lon. $81^{\circ} 0.7'W$
PLANE OF REFERENCE (MEAN LOWER LOW WATER): 6.34 ft.
HEIGHT OF HIGH WATER ABOVE PLANE OF REFERENCE: 7.5 ft.

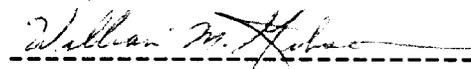


REMARKS: RECOMMENDED ZONING

1. In Wilmington River, south of $31^{\circ} 56.0'N$ and in Wassaw Sound, Bull River and Halfmoon River*, times and heights are direct on Halfmoon Reef, Ga. (867-1314).
2. In Wilmington River, north of $31^{\circ} 56.0'N$ and south of $31^{\circ} 57.0'N$, apply a -10 minute time correction and a x0.98 range ratio to heights using Priest Landing, Ga. (867-1315).
3. In the Wilmington River north of $31^{\circ} 57.0'N$ and south of $31^{\circ} 58.0'N$, times and heights are direct on Priest Landing, Ga. (867-1315)
4. In the Wilmington River north of $31^{\circ} 58.0'N$ and south of $31^{\circ} 59.0'N$, times are direct and apply a X1.04 range ratio to heights using Priest Landing, Ga. (867-1315).
5. In the Wilmington River north of $31^{\circ} 59.0'N$ and south of $32^{\circ} 01.0'N$ (not including Skidaway River or Turner Creek), times are direct and apply a X1.08 range ratio to heights using Priest Landing, Ga. (867-1315).
6. In Wilmington River, north of $32^{\circ} 01.0'N$, times and heights are direct on Palmer-Johnson Shipyard, Ga. (867-0893). Where data are not available for Palmer Johnson Shipyard, Ga. (867-0893), apply a +20 minute time correction and a X1.07 range ratio to heights using Priest Landing, Ga. (867-1315).
7. In Turner Creek, east of the confluence of Turner Creek and Wilmington River, times and heights are direct on Turner Creek, Ga. (867-0967).
8. In Skidaway River, west of the confluence of Skidaway River and Wilmington River, and east of $81^{\circ} 02.2'W$, times and heights are direct on Skidaway Institute, Ga. (867-1086). Where data are not available for Skidaway Institute, Ga. (867-1086), apply a +20 minute time correction and a X1.06 range ratio to heights using Priest Landing, Ga. (867-1315).
9. In Skidaway River, west of $31^{\circ} 02.2'W$, apply a +10 minute time correction and a X1.02 range ratio using Skidaway Institute, Ga. (867-1086). Where data are not available for Skidaway Institute, Ga. (867-1086), apply a +25 minute time correction and a X1.08 range ratio to heights using Priest Landing, Ga. (867-1315).

Note:

1. Times are tabulated in Eastern Standard Time.
2. * Caution: Reducers for the full survey area in Halfmoon River are provided as direct on the tides from Halfmoon Reef (867-1314) since no tide gauge was installed nor was any historical data available in the river to provide zoning correctors. The upper reaches of the river may have tidal characteristics which are not replicated by the tide curve at the Halfmoon Reef station.



CHIEF, DATUMS SECTION