

Memorandum

TO : Officer in Charge
HFP-746
Box 488
Amityville
Long Island, New York

DATE: July 8, 1966

In reply refer to:
C3311-188-001-2

FROM : Tides & Currents Branch
Oceanography Division

SUBJECT: Tidal Data, Jamaica Bay, Long Island

Enclosed are tidal data for Sandy Hook, New Jersey for the dates listed in your memorandum of June 16, 1966. Heights are referred to a datum which is 2.3 feet below mean low water.

Listed below are the corrections to be applied to Sandy Hook tides for the various localities of Jamaica Bay.

| <u>Location</u> | <u>Time Difference</u> | | <u>Height Difference</u> | |
|-------------------|------------------------|-----------|--------------------------|------|
| | H.W. | L.W. | H.W. | L.W. |
| Northwest Section | +030 Min. | 0 | +0.5 Ft. | 0 |
| Northeast Section | +040 " | +040 Min. | " | " |
| Southern Section | +040 " | +020 " | " | " |
| Inlet Area | 0 | 0 | " | " |

J. M. Symons
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Enclosures

TIDE NOTE

Tidal data was supplied from the standard gage at Sandy Hook, New Jersey. Corrections were proportionately applied to yield values at various sections of Jamaica Bay, as per Tides Section correspondence of 8 July 1966 (correspondence included in Appendix).

TIDES

12. All tide observations shall be in accordance with the Hydrographic Manual and Special Publication 30-1.

13. The control tide station at Sandy Hook, New Jersey, will serve as reference station to control survey operations. Satisfactory operation of the gage should be ascertained prior to and during survey operations.

A copy of the installation report giving name and address of the tide observer is attached.

14. As the work progresses, automatic gages shall be maintained at the following locations:

- (a) Ponguogue Bridge, Shinnecok Bay
- (b) Eastport, Moriches Bay
- (c) Patchogue, Great South Bay

14. (continued)

- (d) Vicinity of C.G. Station 83, Fire Island Inlet
- (e) Bay Shore, Great South Bay
- (f) Biltmore Shores, South Oyster Bay
- (g) Cuba Island, Hempstead Bay
- (h) Deep Creek Meadow, Hempstead Bay
- (i) Freeport, Hempstead Bay
- (j) Long Beach, Reynolds Channel

Tidal bench mark data for all locations except (d) are attached.

15. Automatic tide gages shall be operated while hydrography is in progress. A minimum of one weeks' observations are required at locations where previous observations have been made and where the bench marks can be recovered. In case the bench marks cannot be recovered, or for a new tide station site, the minimum period for observations is two weeks.

16. For areas not controlled by these gages, adjusted hourly heights based on Sandy Hook tides may be requested from Bureau Headquarters.