

DATE: 8/14/84

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE

TIDE NOTE FOR HYDROGRAPHIC SHEET

Marine Center: Pacific

OPR: T126

Hydrographic Sheet: H-10123

Locality: West Coast Oahu Hawaii

Time Period: March 6 - April 19, 1984

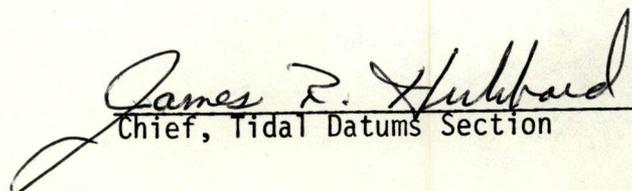
Tide Station Used: 161-2340 Honolulu, HI
161-2482 Waianae, HI

Plane of Reference (Mean Lower Low Water): 161-2340 = 3.69 ft.
161-2482 = 24.45ft.

Height of Mean High Water Above Plane of Reference: 161-2340 = 1.5 ft.
161-2482 = 1.5 ft.

Remarks: Recommended Zoning:

- 1) North of latitude $21^{\circ} 18.0'$ Zone direct on 161-2482.
- 2) South of latitude $21^{\circ} 18.0'$ Zone direct on 161-2340.


Chief, Tidal Datums Section

FIELD TIDE NOTE

RA-20-1-84

H-10123

Field tide reduction of soundings for survey H-10123 was based on predicted tides from Honolulu, Hawaii (161-2340). Corrections were obtained from Preliminary Tidal Zoning OPR-T126-RA-84. The predicted tides were derived using program AM500.

The reference station at Honolulu was leveled on March 3, 1984. Three permanent benchmarks (including the primary mark) were connected to the ETG reading mark. Levels were run at the end of survey operations on April 26, 1984. Initial and final levels compared very well.

A subordinate station at Waianae, Pokai Bay, Oahu, Hawaii (161-2482) provided data for this survey. A Fisher/Porter ADR tide gage was installed on the south face of pier A at the Waianae Boat Harbor on February 28, 1984, 21 27'8.9"N, 158 11'58.8"W. The historical site for this station was on Kaneilio Point, at the southern end of Pokai Bay. The location was changed to allow the installation of an ADR gage rather than a bubbler. The gage operated well throughout the time of hydrography.

Two historic benchmarks were recovered near the historic site. Three new benchmarks were established between the historic site and the new location of the gage. Initial levels were run to these five marks on March 1, 1984. Final levels were run on April 25, 1984. The gage was removed following the final levels on April 25. Comparison of the initial and final levels indicated no significant movement of the staff during the survey period.