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DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
COAST AND GEODETIC SURVEY

TIDAL BENCH MARKS

Southwest Harbor (Clark Point), Mt. Desert Island
Lat. $44^{\circ}16'.5$; Long. $68^{\circ}18'.8$

BENCH MARK 2 (1879) is a drill hole filled with lead in flattop surface of ledge of rock that extends about 15 feet out into the water, $24\frac{1}{2}$ feet east of northeast (shore) end of U.S. Coast Guard Depot. Elevation: 17.66 feet above mean low water.

BENCH MARK 5 (1911) is a $\frac{3}{4}$ -inch drill hole in center of 5-inch triangle with a horizontal index line cut in nearly vertical smooth face of large gray ledge facing the southwest. It is 118 feet east of northeast corner of U.S. Coast Guard Depot, 2 feet below top of rock, and 12 feet south of grass line at edge of bluff. Elevation: 13.86 feet above mean low water.

BENCH MARK 6 (1953) is a standard disk, stamped "NO 6 1953", set in top of rock outcrop, 20 feet northeast of northeast corner of Coast Guard Depot. It is 100 feet southeast of center of gate at entrance to Coast Guard Base and directly back of a rock ledge that juts 15 feet out into the water. Elevation: 18.06 feet above mean low water.

BENCH MARK 7 (1953) is a standard disk, stamped "NO 7 1953", set in top of granite retaining wall along north side of Coast Guard Base about 18 feet west of center of gate at entrance to Base. It is $4\frac{1}{2}$ feet north of the northeast corner of the building and $2\frac{1}{2}$ feet below the level of the street. Elevation: 14.24 feet above mean low water.

(OVER)

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Southwest Harbor (Clark Point), Mt. Desert Island (Cont'd.)

BENCH MARK 8 (1953) is a standard disk, stamped "NO 8 1953", set in top of rock outcrop, 200 yards north of entrance to the U.S. Coast Guard Depot. It is 66 feet southeast of the southeast corner of a 2-storied house, 32 feet north of the junction of Clairemont and Clark Point Roads, 30 feet east of an apple tree in the front yard of house, 15 feet west of the driveway and about level with the road. Elevation: 21.80 feet above mean low water.

Mean low water at Southwest Harbor (Clark Point), Mt. Desert Island is based on 5 months of records, July - September 1953, and May - June 1956, reduced to mean values. Elevations of other tide planes referred to this datum are as follows:

	<u>Feet</u>
Mean high water	10.20
Mean tide level	5.10
Mean low water	0.00

The estimated highest water level to the nearest half foot is 14 feet above mean low water. The estimated lowest water level to the nearest half foot is 4 feet below mean low water.