

GRAND MANAN

THE HEAVY OUTLINE REPRESENTS THE AVERAGE HIGH TIDE LEVEL; THE LIGHTER AND OUTER LINE REPRESENTS THE LOW TIDE LEVEL
THE STIPPLED AREAS ARE THEREFORE DRY AT LOW TIDE

SCALE IN STATUTE MILES (1 M. = 5280 FT.)

THE GREATEST LENGTH OF THE ISLAND IS 15.31 STATUTE MILES; THE GREATEST WIDTH (AT RIGHT ANGLES TO THE LENGTH) IS 6.70 STATUTE MILES.
THE MILEAGE PRINTED ALONG THE ROADS PERTAINS TO THE DISTANCE BETWEEN CROSSES (X) ON THAT SIDE OF THE ROAD ON WHICH THE MILEAGE IS PRINTED, WHETHER

SIDE ROADS INTERVENE OR NOT. THE MAIN ROAD FROM NORTHERN HEAD TO SOUTHERN HEAD IS 19.8 MILES LONG.

THE OCEAN DEPTHS ARE IN FEET, AT APPROXIMATE AVERAGE LEVEL OF LOWEST LOW TIDES.
THE ROCK FORMATIONS TO THE LEFT OF THE BROKEN LINE ARE COMPOSED OF VOLCANICS, OF THE TRIASSIC PERIOD, 160,000,000 TO 185,000,000 YEARS OLD;
THE FORMATIONS TO THE RIGHT OF THE BROKEN LINE, INCLUDING ALL THE SMALL ISLANDS, ARE COMPOSED OF VOLCANICS, INTRUSIVES, AND SEDIMENTS,
OF THE PALAEOZOIC AND PRECAMBRIAN ERAS, 360,000,000 TO 1,500,000,000 YEARS OLD
THE NUMBERED CIRCLES ALONG THE SHORES INDICATE WEIRS, THE NAMES OF WHICH ARE GIVEN ON THE BACK OF THIS SHEET.

ADAPTED FROM
BRITISH ADMIRALTY CHART 2539 (SURVEY OF 1855), U.S. HYDROGRAPHIC CHART 1057 (SURVEY OF 1886), AND CANADIAN GEOLOGICAL SURVEY MAP 259A (ISSUED IN 1931)
WITH THE ADDITION OF MANY IMPORTANT FEATURES THAT HAVE NEVER BEFORE APPEARED ON ANY MAP.

GRAND MANAN HISTORICAL SOCIETY

ANNA BUCHANAN CHARLES
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ABBREVIATIONS: G. GRAVEL; M. MUD; R. ROCK;
S. SAND; SH. SHELLS; ST. STONES

RISE OF TIDES

	HIGHEST	LOWEST
NORTH HEAD	22ft	19ft
GRAND HARBOUR	20	17½
SEAL COVE	19	16½

(FROM 1939 TIDE TABLE ISSUED BY CANADIAN HYDROGRAPHIC SERVICE)

TIDE CURRENTS

ALONG WEST COAST	ABOUT 3 KNOTS MAXIMUM
" EAST COAST, OUTSIDE ISLANDS AND SHOALS, 2 TO 3 "	"
BETWEEN WHITE HEAD ID. AND OLD PROPRIETOR SHOAL (2 MILES S.E. OF OUTER DIAMOND)	4 TO 6 "
AT GANNET ROCK (¾ MILES S.16° W. OF KENT ID)	3 TO 4 "

[1 KNOT (A UNIT OF SPEED) = 1 NAUTICAL MILE AN HOUR]
FLOOD CURRENT RUNS NORTHWARD; EBB CURRENT SOUTHWARD

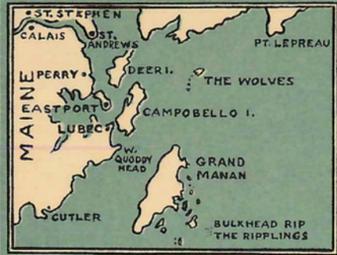
THE ELEVATIONS REFER TO HEIGHTS OF THE LAND ABOVE AVERAGE HIGHEST HIGH TIDE

DISTANCES BY STEAMER
IN NAUTICAL MILES (1 M. = 6080 FT.)

FROM NORTH HEAD PIER TO EASTPORT VIA LUBEC NARROWS	21 MILES
" " HEAD HBR. PASSAGE	18 "
ST. ANDREWS, VIA LUBEC NRS.	30½ "
SAINT JOHN, DIRECT,	48 "

SHORTEST DISTANCE BETWEEN CERTAIN POINTS
IN NAUTICAL MILES

GRAND MANAN TO WEST QUODDY HEAD, ME.	5.79 M.
" " CAMPOBELLO ISLAND	5.52 M.
SOUTHERN HEAD TO GANNET ROCK	7.38 M. S.E.
" " MACHIAS SEAL ID.	10.12 M. S.W.
MURR LEDGES EXTEND ¼ MILES WEST FROM GANNET ROCK (¾ MILES S.16° W. OF KENT ID.)	



ATLANTIC OCEAN
(GULF OF MAINE)

By BUCHANAN CHARLES