

Distances Between United States Ports

2025 (14th) Edition



U.S. Department of Commerce

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Preface

Distances Between United States Ports is published by the Office of Coast Survey, National Ocean Service (NOS), National Oceanic and Atmospheric Administration (NOAA), pursuant to the Act of 6 August 1947 (33 U.S.C. 883a and b), and the Act of 22 October 1968 (44 U.S.C. 1310).

Distances Between United States Ports contains distances from a port of the United States to other ports in the United States, and from a port in the Great Lakes in the United States to Canadian ports in the Great Lakes and St. Lawrence River.

Distances Between Ports, Publication 151, is published by National Geospatial-Intelligence Agency (NGA) and distributed by NOS. NGA Pub. 151 is international in scope and lists distances from foreign port to foreign port and from foreign port to major U.S. ports. The two publications, **Distances Between United States Ports** and **Distances Between Ports**, complement each other.

This volume of **Distances Between United States Ports** cancels the 2019 (13th) Edition.

Mariners and others are urged to promptly report errors or general inquiries to www.nauticalcharts.noaa.gov/customer-service/assist/

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General Information

Distances

These are in nautical miles unless otherwise indicated. A nautical mile is 1 minute of latitude, or approximately 2,000 yards, and is about 1.15 statute miles. See conversion tables in the latter part of this book.

Geographic Positions

Departure and arrival geographic coordinates, where listed, are for a centrally located pier inside the port.

Routes

These distances are measured along navigable tracklines. Each distance is along the shortest route that safe navigation permits between the two ports concerned. The navigator must make their own adjustments for weather or prevailing currents.

Junction Points

These are positions where two or more routes converge; they are indicated by magenta **CAPITAL LETTERS** in the tables. Distances between ports listed in different tables can be obtained by adding the respective distances to the junction points. Where a port is listed in more than one table, additional combinations of distances can also be obtained by using the port as a common reference point. (See examples that follow.)

Foreign Ports

Distances Between Ports, Pub. 151, is published by the **National Geospatial-Intelligence Agency (NGA)**. **NGA Pub 151** is International in scope and lists distances from foreign port to foreign port, and from foreign port to major United States ports. The two publications, **Distances Between United States Ports** and **Distances Between Ports**, complement each other. See the appendix for procurement information.

Examples

The following examples will illustrate the use of the tables. Distances shown in these examples are in nautical miles.

Ports in the same table

Example 1

Find the distance from New York, NY to Charleston, SC. In **Table 1**, find New York, NY, in the list of cities along the left edge of the table, and Charleston, SC, in the list of cities along the top of the table. The intersection of the row and column will contain the distance (630 nautical miles) between these two ports.

Example 2

Find the distance from New Orleans, LA to St. Louis, MO, using **Table 20**.

- St. Louis mileage is 1,134 statute miles.
- New Orleans mileage is 95 statute miles.
- Subtract 95 from 1,134—New Orleans to St. Louis is 1,039 statute miles.

Example 3

Find the distance from Pittsburgh, PA to Chicago, IL, using **Table 20**.

- Pittsburgh mileage is 981 statute miles
- The difference in distance between the Ohio River mouth and the Illinois River mouth (954 from 1,172) is 218 statute miles
- Chicago mileage is 333
- Add the values together—Pittsburgh to Chicago is 1,532 statute miles

Use of junction and common reference points

Example 4

Find the distance from Bridgeport, CT to Albany, NY.

- Bridgeport to New York (**Table 3**) is 52 miles
- New York to Albany (**Table 5**) is 126 miles
- Bridgeport to Albany is 178 miles

Example 5

Find the distance from Woods Hole, MA to Freeport, NY, via the inside route along the south side of Long Island.

- Woods Hole to Greenport, NY (**Table 3**) is 82 miles
- Greenport to Freeport (**Table 4**) is 77
- Woods Hole to Freeport is 159 miles

Example 6

Find the distance from New Haven, CT to Burlington, VT.

- New Haven to New York (**Table 3**) is 68 miles
- New York to Troy Lock (**Table 5**) is 134 miles
- Troy Lock to Burlington (**Table 6**) is 116 miles
- New Haven to Burlington is 318 miles

Example 7

Find the distance from New York, NY to Miami, FL, via the Intracoastal Waterway.

- New York to Chesapeake and Delaware Canal east entrance (**Table 8**) is 190 miles
- Chesapeake and Delaware Canal east entrance to Norfolk Virginia (**Table 10**) is 209 miles
- Norfolk to Miami (**Table 14**) is 947 miles
- New York to Miami is 1,346 miles

Example 8

Find the distance from Boston, MA to San Francisco, CA.

- Boston to Panama Canal (Pacific Entrance) (**Table 1**) is 2,195 miles
- Panama Canal (Pacific Ent.) to San Francisco (**Table 27**) is 3,270 miles
- Boston to San Francisco is 5,465 miles

Example 9

Find the distance from Bridgeport, CT to Stockton, CA.

- Bridgeport to New York (**Table 3**) is 52 miles
- New York to Panama Canal (Pacific Entrance) (**Table 1**) is 2,018 miles
- Panama Canal (Pacific Ent.) to San Francisco (**Table 27**) is 3,270 miles
- San Francisco to Stockton (**Table 28**) is 75 miles
- Bridgeport to Stockton is 5,415 miles

Example 10—find the distance from Blaine, WA to San Diego, CA.

- Blaine to Cape Flattery (**Table 31**) is 112 miles
- Cape Flattery to San Diego (**Table 28**) is 1,104 miles
- Blaine to San Diego is 1,216 miles

Example 11

Find the distance from Eureka, CA to Redwood City, CA.

- Eureka to San Francisco, CA (Table 28) is 232 miles
- San Francisco to Redwood City (Table 29) is 22 miles
- Eureka to Redwood City is 254 miles

Example 12

Find the distance from Astoria, OR to Nome, AK.

- Astoria to Unimak Pass, AK (Table 27) is 1,626 miles
- Unimak Pass to Nome (Table 35) is 646 miles
- Astoria to Nome is 2,272 miles

Alternate Routes**Example 13**

Find the distance from Portland, ME to New York, NY by two routes.

Outside via Nantucket Shoals

- Portland to New York (Table 1) is 426 miles

Via Cape Cod Canal and Long Island Sound

- Portland to Cape Cod Canal (Table 2) is 118 miles
- Cape Cod Canal to New York (Table 3) is 182 miles
- Portland to New York is 300 miles

Example 14

Find the distance from Boston, MA to Baltimore, MD by two routes.

Outside via Nantucket Shoals and Chesapeake Bay Entrance

- Boston to Baltimore (Table 1) is 694 miles

Via Cape Cod Canal and Chesapeake and Delaware Canal

- Boston to Cape Cod Canal (Table 2) is 52 miles
- Cape Cod Canal to Montauk Point, NY (Table 3) is 76 miles
- Montauk Point to C&D Canal east entrance (Table 7) is 263 miles
- C&D Canal east entrance to Baltimore (Table 10) is 62 miles
- Boston to Baltimore is 453 miles

Example 15

Find the distance from Chicago, IL to Key West, FL by three different routes.

Deepwater Route via St. Lawrence River

- Chicago to Port Huron, MI (Table 21) is 496 miles
- Port Huron to Montreal, Canada (Table 21) is 586 miles
- Montreal to Key West (Table 1) is 2,479 miles
- Chicago to Key West is 3,561 miles

Via New York Canal System and Intra-coastal Waterway

- Chicago to Port Huron, MI (Table 21) is 496 miles
- Port Huron to Buffalo, NY (Table 21) is 280 miles
- Buffalo to Troy Lock (Table 6) is 307 miles
- Troy Lock to New York (Table 5) is 134 miles
- New York to C&D Canal east entrance (Table 8) is 190 miles
- C&D Canal east entrance to Norfolk, VA (Table 10) is 209 miles
- Norfolk to Key West (Table 14) is 1,081 miles
- Chicago to Key West is 2,697 miles

Via Mississippi River System and Gulf Intra-coastal Waterway

- Chicago to Mississippi River (Illinois River) (Table 20) is 284 miles
- Mississippi River junction with Illinois River to New Orleans, LA (1018 miles and subtract 83 miles) (Table 20) is 935 miles
- New Orleans to Apalachicola, FL (Table 18) is 302 miles
- Apalachicola to Key West (Table 17) is 406 miles
- Chicago to Key West is 1,927 miles

Example 16

Find the distance from Seattle, WA to Anchorage, AK by two routes.

Inside Passage

- Seattle to Cape Spencer (Table 34) is 976 miles
- Cape Spencer to Anchorage (Table 33) is 641 miles
- Seattle to Anchorage is 1,617 miles

Outside Route

- Seattle to Swiftsure Bank (Table 31) is 134 miles
- Swiftsure Bank to Anchorage (Table 33) is 1,294 miles
- Seattle to Anchorage is 1,428 miles

Harbor Entrances**Example 17**

Find the distance from Chesapeake Bay entrance to Delaware Bay entrance.

- Chesapeake Bay entrance to Philadelphia, PA (Table 1) is 242 miles
- Delaware Bay entrance to Philadelphia (Table 9) subtract 87 miles
- Chesapeake Bay entrance to Delaware Bay entrance is 155 miles

Foreign Ports**Example 18**

Find the distance from Wilmington, DE to Halifax, NS.

- Philadelphia, PA to Halifax (Pub 151) is 746 miles
- Philadelphia to Wilmington (Table 7) subtract 26 miles
- Wilmington to Halifax is 720 miles

Example 19

Find the distance from Beaumont, TX to Lisboa, Portugal.

- Beaumont, TX to Straits of Florida (table 16) is 726 miles
- Straits of Florida to Lisboa (Pub 151) is 3,831 miles
- Beaumont to Lisboa is 4,557 miles

Atlantic Distances

Atlantic Ocean Distances—Montreal, Canada to the Panama Canal

Table 1

| | PANAMA CANAL (Pacific) | Panama Canal (Atlantic) | YUCATAN CHANNEL | San Juan, PR | Corpus Christi, TX | Galveston, TX | Port Arthur, TX | NEW ORLEANS, LA ** | Mobile, AL | Pensacola, FL | Tampa, FL | STRAITS OF FLORIDA | Key West, FL | Jacksonville, FL | Savannah, GA | Charleston, SC | Wilmington, NC | DIAMOND SHOALS | Norfolk, VA | CHESAPEAKE BAY ENT. | Baltimore, MD | Philadelphia, PA | NEW YORK, NY | NANTUCKET SHOALS | Boston, MA | Portland, ME | Gut of Canso (Lock) | Cabot Strait |
|--|------------------------|-------------------------|-----------------|--------------|--------------------|---------------|-----------------|--------------------|------------|---------------|-----------|--------------------|--------------|------------------|--------------|----------------|----------------|----------------|-------------|---------------------|---------------|------------------|--------------|------------------|------------|--------------|---------------------|--------------|
| MONTREAL, QUEBEC* (St. Lambert Lock) | 3249 | 3203 | 2730 | 2445 | 3347 | 3242 | 3240 | 3080 | 3011 | 2977 | 2772 | 2540 | 2479 | 2172 | 2088 | 2014 | 1948 | 1729 | 1716 | 1689 | 1838 | 1682 | 1534 | 1311 | 1318 | 1276 | 717 | 681 |
| Cabot Strait 45°07.0'N., 60°17.0'W. | 2568 | 2522 | 2049 | 1764 | 2666 | 2561 | 2559 | 2399 | 2330 | 2296 | 2091 | 1859 | 1798 | 1491 | 1407 | 1333 | 1267 | 1048 | 1035 | 1008 | 1157 | 1001 | 853 | 630 | 637 | 595 | 120 | |
| Gut of Canso (Lock) 45°39.0'N., 61°25.0'W. | 2465 | 2419 | 1937 | 1669 | 2558 | 2453 | 2451 | 2291 | 2222 | 2188 | 1983 | 1751 | 1690 | 1379 | 1295 | 1221 | 1155 | 936 | 923 | 896 | 1046 | 890 | 742 | 519 | 526 | 484 | | |
| Portland, ME 43°39.4'N., 70°14.7'W. | 2235 | 2189 | 1629 | 1531 | 2255 | 2150 | 2148 | 1988 | 1919 | 1885 | 1680 | 1448 | 1387 | 1071 | 987 | 913 | 847 | 628 | 611 | 584 | 734 | 575 | 426 | 203 | 100 | | | |
| Boston, MA 42°22.0'N., 71°03.0'W. | 2195 | 2149 | 1589 | 1486 | 2215 | 2110 | 2108 | 1948 | 1879 | 1845 | 1640 | 1408 | 1347 | 1031 | 947 | 873 | 807 | 588 | 571 | 544 | 694 | 535 | 386 | 163 | | | | |
| NANTUCKET SHOALS 40°30.0'N., 69°25.0'W. | 2032 | 1986 | 1426 | 1334 | 2052 | 1947 | 1945 | 1785 | 1716 | 1682 | 1477 | 1245 | 1184 | 868 | 784 | 710 | 644 | 425 | 408 | 381 | 531 | 372 | 223 | | | | | |
| NEW YORK, NY 40°42.0'N., 74°01.0'W. | 2018 | 1972 | 1346 | 1399 | 1977 | 1872 | 1870 | 1710 | 1641 | 1607 | 1402 | 1170 | 1109 | 788 | 704 | 630 | 564 | 345 | 294 | 267 | 417 | 240 | | | | | | |
| Philadelphia, PA 39°56.8'N., 75°08.3'W. | 2001 | 1955 | 1323 | 1395 | 1954 | 1849 | 1847 | 1687 | 1618 | 1584 | 1379 | 1147 | 1086 | 765 | 681 | 607 | 541 | 322 | 269 | 242 | 392 | | | | | | | |
| Baltimore, MD 39°16.0'N., 76°34.5'W. | 1950 | 1904 | 1268 | 1375 | 1899 | 1794 | 1792 | 1632 | 1563 | 1529 | 1324 | 1092 | 1031 | 710 | 626 | 552 | 486 | 267 | 173 | 150 | | | | | | | | |
| CHESAPEAKE BAY ENT. 36°56.3'N., 75°58.6'W. | 1800 | 1754 | 1118 | 1225 | 1749 | 1644 | 1642 | 1482 | 1413 | 1379 | 1174 | 942 | 881 | 560 | 476 | 402 | 336 | 117 | 27 | | | | | | | | | |
| Norfolk, VA 36°50.9'N., 76°17.9'W. | 1827 | 1781 | 1145 | 1252 | 1776 | 1671 | 1669 | 1509 | 1440 | 1406 | 1201 | 969 | 908 | 587 | 503 | 429 | 363 | 144 | | | | | | | | | | |
| DIAMOND SHOALS 35°08.0'N., 75°15.0'W. | 1683 | 1637 | 1001 | 1114 | 1632 | 1527 | 1525 | 1365 | 1296 | 1262 | 1057 | 825 | 764 | 443 | 359 | 285 | 219 | | | | | | | | | | | |
| Wilmington, NC 34°14.0'N., 77°57.0'W. | 1655 | 1609 | 904 | 1153 | 1535 | 1430 | 1428 | 1268 | 1199 | 1165 | 960 | 728 | 667 | 315 | 227 | 151 | | | | | | | | | | | | |
| Charleston, SC 32°47.2'N., 79°55.2'W. | 1609 | 1563 | 809 | 1138 | 1440 | 1335 | 1333 | 1173 | 1104 | 1070 | 865 | 633 | 572 | 197 | 102 | | | | | | | | | | | | | |
| Savannah, GA 32°05.0'N., 81°05.7'W. | 1610 | 1564 | 780 | 1156 | 1411 | 1306 | 1304 | 1144 | 1075 | 1041 | 836 | 604 | 543 | 145 | | | | | | | | | | | | | | |
| Jacksonville, FL 30°19.2'N., 81°39.0'W. | 1559 | 1513 | 699 | 1121 | 1330 | 1225 | 1223 | 1063 | 994 | 960 | 755 | 523 | 462 | | | | | | | | | | | | | | | |
| Key West, FL 24°33.7'N., 81°48.5'W. | 1106 | 1060 | 251 | 966 | 880 | 775 | 773 | 613 | 544 | 510 | 305 | 73 | | | | | | | | | | | | | | | | |
| STRAITS OF FLORIDA 24°25.0'N., 83°00.0'W. | 1047 | 1001 | 192 | 1017 | 807 | 702 | 700 | 540 | 471 | 437 | 232 | | | | | | | | | | | | | | | | | |
| Tampa, FL 27°56.5'N., 82°26.7'W. | 1259 | 1213 | 404 | 1249 | 810 | 703 | 697 | 502 | 389 | 347 | | | | | | | | | | | | | | | | | | |
| Pensacola, FL 30°24.0'N., 87°13.0'W. | 1388 | 1342 | 533 | 1448 | 618 | 509 | 504 | 288 | 89 | | | | | | | | | | | | | | | | | | | |
| Mobile, AL 30°42.5'N., 88°02.5'W. | 1417 | 1371 | 562 | 1448 | 605 | 496 | 491 | 269 | | | | | | | | | | | | | | | | | | | | |
| NEW ORLEANS, LA** 29°57.0'N., 90°03.7'W. | 1442 | 1396 | 587 | 1557 | 555 | 446 | 441 | | | | | | | | | | | | | | | | | | | | | |
| Port Arthur, TX 29°49.5'N., 93°57.6'W. | 1533 | 1487 | 691 | 1717 | 249 | 89 | | | | | | | | | | | | | | | | | | | | | | |
| Galveston, TX 29°19.0'N., 94°47.0'W. | 1539 | 1493 | 696 | 1719 | 207 | | | | | | | | | | | | | | | | | | | | | | | |
| Corpus Christi, TX 27°48.8'N., 97°24.0'W. | 1595 | 1549 | 769 | 1824 | | | | | | | | | | | | | | | | | | | | | | | | |
| San Juan, PR 18°27.8'N., 66°06.7'W. | 1036 | 990 | 1111 | | | | | | | | | | | | | | | | | | | | | | | | | |
| YUCATAN CHANNEL 21°50.0'N., 85°03.0'W. | 855 | 809 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Panama Canal (Atlantic) 9°23.5'N., 79°55.3'W. | 46 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Distances are in nautical miles

All tabular distances are by outside routes which can be used by the deepest-draft vessel that the listed ports can accommodate. Lighter-draft vessels can save considerable mileage by transiting Canso Lock (Canada), the Cape Cod Canal (Massachusetts), and the Chesapeake and Delaware Canal (Delaware-Maryland); see the detailed tables. Gulf Coast distances are through the Shipping Safety Fairways.

* For Quebec City, Canada – subtract 139 miles

* Via Southwest Pass

Gulf of Maine Distances—Calais, Maine to Cape Cod, Massachusetts

Table 2

| | NANTUCKET SHOALS | Provincetown, MA | CAPE COD CANAL | Plymouth, MA | Scituate, MA | Boston, MA | Lynn, MA | Marblehead, MA | Salem, MA | Gloucester, MA | Rockport, MA | Newburyport, MA | Portsmouth, NH | York Harbor, ME | Portland, ME | Augusta, ME | Bath, ME | Wiscasset, ME | Boothbay Harbor, ME | Bangor, ME | Bucksport, ME | Searsport, ME | Rockland, ME | Stonington, ME | Buck Harbor, ME | Bar Harbor, ME | Jonesport, ME | Machiasport, ME | Lubec, ME | Eastport, ME |
|---|------------------|------------------|----------------|--------------|--------------|------------|----------|----------------|-----------|----------------|--------------|-----------------|----------------|-----------------|--------------|-------------|----------|---------------|---------------------|------------|---------------|---------------|--------------|----------------|-----------------|----------------|---------------|-----------------|-----------|--------------|
| Calais, ME 45°11.4'N, 67°16.7'W | 312 | 258 | 270 | 268 | 259 | 265 | 261 | 251 | 252 | 245 | 236 | 241 | 230 | 222 | 198 | 214 | 187 | 189 | 168 | 176 | 159 | 152 | 145 | 118 | 125 | 98 | 66 | 61 | 26 | 24 |
| Eastport, ME 44°54.3'N., 66°59.0'W. | 297 | 243 | 255 | 253 | 244 | 250 | 246 | 236 | 237 | 230 | 221 | 226 | 216 | 208 | 183 | 200 | 173 | 175 | 153 | 162 | 145 | 137 | 130 | 102 | 109 | 83 | 42 | 46 | 3 | |
| Lubec, ME 44°51.7'N., 66°59.0'W. | 286 | 232 | 244 | 242 | 233 | 239 | 235 | 225 | 226 | 219 | 210 | 215 | 204 | 196 | 172 | 188 | 161 | 162 | 142 | 150 | 133 | 126 | 118 | 91 | 98 | 72 | 40 | 35 | | |
| Machiasport, ME 44°41.9'N., 67°23.6'W. | 271 | 214 | 226 | 224 | 215 | 221 | 217 | 207 | 208 | 200 | 192 | 197 | 186 | 178 | 153 | 169 | 142 | 144 | 123 | 132 | 115 | 107 | 100 | 73 | 80 | 52 | 20 | | | |
| Jonesport, ME 44°31.6'N., 67°37.0'W. | 257 | 197 | 209 | 206 | 196 | 203 | 198 | 188 | 189 | 182 | 173 | 178 | 167 | 159 | 135 | 149 | 122 | 124 | 105 | 113 | 96 | 89 | 82 | 53 | 60 | 34 | | | | |
| Bar Harbor, ME 44°23.5'N., 68°12.0'W. | 243 | 179 | 190 | 188 | 177 | 184 | 179 | 169 | 170 | 163 | 154 | 159 | 148 | 140 | 115 | 130 | 103 | 105 | 86 | 94 | 77 | 70 | 62 | 33 | 39 | | | | | |
| Buck Harbor, ME 44°20.3'N., 68°44.2'W. | 237 | 165 | 176 | 174 | 159 | 162 | 157 | 148 | 149 | 138 | 131 | 137 | 123 | 114 | 85 | 94 | 67 | 68 | 57 | 39 | 22 | 16 | 22 | 16 | | | | | | |
| Stonington, ME 44°09.2'N., 68°39.8'W. | 226 | 155 | 165 | 163 | 155 | 158 | 153 | 143 | 145 | 133 | 126 | 132 | 119 | 109 | 81 | 90 | 63 | 64 | 53 | 47 | 30 | 24 | 20 | | | | | | | |
| Rockland, ME 44°06.0'N., 69°05.5'W. | 223 | 148 | 160 | 155 | 142 | 147 | 142 | 132 | 133 | 126 | 115 | 118 | 107 | 99 | 71 | 86 | 59 | 62 | 42 | 50 | 33 | 23 | | | | | | | | |
| Searsport, ME 44°27.0'N., 68°54.0'W. | 242 | 166 | 178 | 174 | 161 | 166 | 161 | 151 | 152 | 145 | 134 | 137 | 127 | 118 | 90 | 105 | 78 | 80 | 61 | 30 | 13 | | | | | | | | | |
| Bucksport, ME 44°34.3'N., 68°48.0'W. | 250 | 175 | 187 | 182 | 169 | 174 | 169 | 159 | 160 | 153 | 143 | 145 | 135 | 126 | 98 | 113 | 86 | 89 | 70 | 17 | | | | | | | | | | |
| Bangor, ME 44°47.7'N., 68°46.3'W. | 267 | 192 | 204 | 199 | 186 | 191 | 186 | 176 | 177 | 170 | 160 | 162 | 151 | 144 | 115 | 131 | 104 | 106 | 87 | | | | | | | | | | | |
| Boothbay Harbor, ME 43°51.0'N., 69°37.6'W. | 207 | 119 | 130 | 125 | 112 | 115 | 110 | 101 | 102 | 95 | 84 | 86 | 74 | 64 | 36 | 50 | 23 | 21 | | | | | | | | | | | | |
| Wiscasset, ME 43°59.5'N., 69°40.1'W. | 217 | 127 | 139 | 133 | 120 | 123 | 118 | 109 | 110 | 103 | 92 | 94 | 82 | 72 | 44 | 57 | 30 | | | | | | | | | | | | | |
| Bath, ME 43°54.5'N., 69°48.7'W. | 213 | 123 | 137 | 129 | 115 | 119 | 114 | 104 | 105 | 98 | 88 | 89 | 78 | 67 | 40 | 27 | | | | | | | | | | | | | | |
| Augusta, ME 44°18.9'N., 69°46.4'W. | 240 | 150 | 164 | 156 | 142 | 146 | 141 | 131 | 132 | 125 | 115 | 116 | 104 | 94 | 66 | | | | | | | | | | | | | | | |
| Portland, ME 43°39.4'N., 70°14.7'W. | 203 | 107 | 118 | 112 | 97 | 100 | 95 | 86 | 87 | 79 | 66 | 67 | 56 | 43 | | | | | | | | | | | | | | | | |
| York Harbor, ME 43°07.9'N., 70°38.6'W. | 182 | 75 | 83 | 75 | 60 | 63 | 58 | 48 | 49 | 42 | 29 | 25 | 11 | | | | | | | | | | | | | | | | | |
| Portsmouth, NH 43°04.6'N., 70°44.5'W. | 180 | 73 | 81 | 73 | 58 | 61 | 56 | 46 | 47 | 40 | 27 | 22 | | | | | | | | | | | | | | | | | | |
| Newburyport, MA 42°48.8'N., 70°52.4'W. | 171 | 63 | 72 | 64 | 48 | 51 | 47 | 37 | 38 | 31 | 16 | | | | | | | | | | | | | | | | | | | |
| Rockport, MA 42°40.0'N., 70°36.5'W. | 157 | 49 | 58 | 50 | 34 | 37 | 33 | 23 | 24 | 17 | | | | | | | | | | | | | | | | | | | | |
| Gloucester, MA 42°36.6'N., 70°39.6'W. | 155 | 45 | 52 | 43 | 26 | 26 | 22 | 11 | 12 | | | | | | | | | | | | | | | | | | | | | |
| Salem, MA 42°31.3'N., 70°52.5'W. | 159 | 49 | 53 | 45 | 24 | 27 | 18 | 5 | | | | | | | | | | | | | | | | | | | | | | |
| Marblehead, MA 42°30.2'N., 70°50.7'W. | 156 | 45 | 48 | 39 | 22 | 19 | 14 | | | | | | | | | | | | | | | | | | | | | | | |
| Lynn, MA 42°27.3'N., 70°56.6'W. | 159 | 47 | 48 | 40 | 22 | 13 | | | | | | | | | | | | | | | | | | | | | | | | |
| Boston, MA 42°22.0'N., 71°03.0'W. | 163 | 49 | 52 | 40 | 21 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Scituate, MA 42°11.9'N., 70°43.5'W. | 143 | 29 | 29 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Plymouth, MA 41°57.6'N., 70°39.8'W. | 144 | 26 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CAPE COD CANAL 41°46.8'N., 70°29.0'W. | 144 | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Provincetown, MA 42°02.5'N., 70°10.0'W. | 132 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Distances are in nautical miles

Each distance is by the shortest route that safe navigation permits between the two ports concerned. Vessels standing along the coast must make their own adjustments for non-direct routes. For example the table shows a distance of 214 miles by direct route from Machiasport to Provincetown; the distance via Matinicus Rock and Cape Ann is 235 miles. Distances from Eastport to Machiasport and other ports southward are via the deep Head Harbour Passage, which is 8 miles farther than via the shallower Lubec Channel.

Coastwise Distances—Cape Cod, Massachusetts to New York, New York

Table 3

| | Port Newark, NJ | Elizabethport, NJ | Perth Amboy, NJ | NEW YORK, NY | MONTAUK POINT | Port Jefferson, NY | Greenport, NY | Sag Harbor, NY | Montauk, NY | Stamford, CT | South Norwalk, CT | Bridgeport, CT | Stratford, CT | New Haven, CT | Hartford, CT | New London, CT | Stonington, CT | Great Salt Pond, RI | Providence, RI | Fall River, MA | Newport, RI | New Bedford, MA | Woods Hole, MA | Vineyard Haven, MA | Nantucket, MA | NANTUCKET SHOALS |
|---|-----------------|-------------------|-----------------|--------------|---------------|--------------------|---------------|----------------|-------------|--------------|-------------------|----------------|---------------|---------------|--------------|----------------|----------------|---------------------|----------------|----------------|-------------|-----------------|----------------|--------------------|---------------|------------------|
| CAPE COD CANAL 41°46.8'N., 70°29.0'W. | 193 | 191 | 202 | 182 | 76 | 134 | 99 | 100 | 85 | 152 | 151 | 138 | 132 | 127 | 140 | 89 | 77 | 66 | 74 | 69 | 54 | 31 | 22 | 43 | 69 | 144 |
| NANTUCKET SHOALS 40°30.0'N., 69°25.0'W. | 227 | 225 | 223 | 223 | 113 | 178 | 142 | 143 | 127 | 196 | 195 | 182 | 176 | 171 | 187 | 136 | 126 | 114 | 131 | 126 | 111 | 111 | 92 | 88 | 85 | |
| Nantucket, MA 41°17.2'N., 70°05.7'W. | 208 | 206 | 216 | 196 | 89 | 149 | 113 | 114 | 99 | 167 | 166 | 153 | 147 | 140 | 155 | 103 | 92 | 80 | 91 | 77 | 71 | 53 | 33 | 29 | | |
| Vineyard Haven, MA 41°27.3'N., 70°35.8'W. | 183 | 181 | 191 | 171 | 63 | 123 | 87 | 88 | 74 | 141 | 140 | 127 | 121 | 114 | 129 | 77 | 67 | 54 | 65 | 51 | 45 | 28 | 7 | | | |
| Woods Hole, MA 41°31.4'N., 70°40.4'W. | 178 | 176 | 186 | 166 | 59 | 118 | 82 | 83 | 69 | 136 | 135 | 123 | 117 | 109 | 125 | 72 | 61 | 50 | 57 | 44 | 38 | 15 | | | | |
| New Bedford, MA 41°38.1'N., 70°55.1'W. | 178 | 176 | 186 | 166 | 60 | 118 | 80 | 81 | 66 | 136 | 135 | 122 | 113 | 111 | 124 | 74 | 58 | 48 | 58 | 54 | 38 | | | | | |
| Newport, RI 41°29.8'N., 71°19.8'W. | 151 | 149 | 159 | 139 | 35 | 91 | 56 | 57 | 42 | 109 | 108 | 95 | 90 | 84 | 98 | 48 | 34 | 23 | 21 | 16 | | | | | | |
| Fall River, MA 41°42.4'N., 71°09.8'W. | 166 | 164 | 174 | 154 | 51 | 107 | 71 | 72 | 58 | 125 | 124 | 110 | 105 | 100 | 113 | 63 | 49 | 38 | 21 | | | | | | | |
| Providence, RI 41°48.5'N., 71°24.0'W. | 171 | 169 | 179 | 159 | 56 | 112 | 76 | 77 | 63 | 130 | 129 | 115 | 110 | 105 | 118 | 68 | 55 | 43 | | | | | | | | |
| Great Salt Pond, RI 41°11.1'N., 71°34.9'W. | 133 | 131 | 141 | 121 | 15 | 74 | 37 | 39 | 23 | 92 | 91 | 78 | 72 | 65 | 80 | 29 | 19 | | | | | | | | | |
| Stonington, CT 41°19.9'N., 71°54.6'W. | 121 | 119 | 129 | 109 | 19 | 61 | 28 | 29 | 18 | 79 | 77 | 64 | 59 | 52 | 66 | 12 | | | | | | | | | | |
| New London, CT 41°21.4'N., 72°05.4'W. | 116 | 114 | 124 | 104 | 28 | 56 | 25 | 27 | 20 | 74 | 73 | 60 | 54 | 49 | 62 | | | | | | | | | | | |
| Hartford, CT 41°45.0'N., 72°39.0'W. | 143 | 141 | 151 | 131 | 75 | 84 | 62 | 64 | 66 | 102 | 101 | 86 | 81 | 74 | | | | | | | | | | | | |
| New Haven, CT 41°17.4'N., 72°54.5'W. | 80 | 78 | 88 | 68 | 62 | 23 | 47 | 49 | 51 | 37 | 36 | 25 | 15 | | | | | | | | | | | | | |
| Stratford, CT 41°11.3'N., 73°07.3'W. | 69 | 67 | 77 | 57 | 65 | 15 | 52 | 54 | 56 | 27 | 26 | 10 | | | | | | | | | | | | | | |
| Bridgeport, CT 41°10.3'N., 73°10.8'W. | 64 | 62 | 72 | 52 | 74 | 15 | 58 | 60 | 62 | 22 | 21 | | | | | | | | | | | | | | | |
| South Norwalk, CT 41°05.7'N., 73°24.7'W. | 52 | 50 | 60 | 40 | 84 | 23 | 71 | 73 | 75 | 11 | | | | | | | | | | | | | | | | |
| Stamford, CT 41°01.8'N., 73°32.3'W. | 45 | 43 | 53 | 33 | 85 | 24 | 72 | 74 | 76 | | | | | | | | | | | | | | | | | |
| Montauk, NY 41°02.8'N., 71°57.5'W. | 117 | 115 | 125 | 105 | 16 | 58 | 22 | 21 | | | | | | | | | | | | | | | | | | |
| Sag Harbor, NY 41°00.2'N., 72°17.7'W. | 115 | 113 | 123 | 103 | 32 | 56 | 11 | | | | | | | | | | | | | | | | | | | |
| Greenport, NY 41°06.0'N., 72°21.5'W. | 114 | 112 | 122 | 102 | 30 | 54 | | | | | | | | | | | | | | | | | | | | |
| Port Jefferson, NY 40°57.0'N., 73°04.5'W. | 64 | 62 | 72 | 52 | 68 | | | | | | | | | | | | | | | | | | | | | |
| MONTAUK POINT 41°01.7'N., 71°47.3'W. | 126 | 124 | 123 | 20 | | | | | | | | | | | | | | | | | | | | | | |
| NEW YORK, NY 40°42.0'N., 74°01.0'W. | 12 | 10 | 20 | | | | | | | | | | | | | | | | | | | | | | | |
| Perth Amboy, NJ 40°30.3'N., 74°15.7'W. | 15 | 10 | | | | | | | | | | | | | | | | | | | | | | | | |
| Elizabethport, NJ 40°38.8'N., 74°11.2'W. | 5 | | | | | | | | | | | | | | | | | | | | | | | | | |

Distances are in nautical miles

**Inside Route Distances—south side of Long Island Sound
Greenport, New York to East Rockaway Inlet, New York**

Table 4

| | * Manasquan Inlet, NJ | * NEW YORK (The Battery) | * Rockaway Point | East Rockaway Inlet | Long Beach | Freeport | Jones Inlet | Jones Beach | Amityville | Babylon | Fire Island Inlet | Bay Shore | Patchogue | Bellport | Moriches Inlet | Westhampton Beach | Shinnecock Inlet | Shinnecock Canal (north end) | Riverside | Sag Harbor |
|--|-----------------------|--------------------------|------------------|---------------------|------------|----------|-------------|-------------|------------|---------|-------------------|-----------|-----------|----------|----------------|-------------------|------------------|------------------------------|-----------|------------|
| Greenport 41°06.0'N., 72°21.5'W. | 116 | 107 | 94 | 85 | 80 | 77 | 76 | 72 | 66 | 61 | 62 | 57 | 48 | 42 | 34 | 28 | 21 | 16 | 21 | 11 |
| Sag Harbor 41°00.2'N., 72°17.7'W. | 117 | 108 | 95 | 86 | 81 | 78 | 77 | 73 | 67 | 62 | 63 | 58 | 49 | 43 | 35 | 29 | 22 | 17 | 22 | |
| Riverside 40°55.0'N., 72°39.4'W. | 108 | 99 | 86 | 77 | 72 | 69 | 68 | 64 | 58 | 53 | 54 | 49 | 40 | 34 | 26 | 20 | 13 | 8 | | |
| Shinnecock Canal 40°53.9'N., 72°30.3'W. | 100 | 91 | 78 | 69 | 64 | 61 | 60 | 56 | 50 | 45 | 46 | 41 | 32 | 26 | 18 | 12 | 5 | | | |
| Shinnecock Inlet 40°50.3'N., 72°28.6'W. | 97 | 88 | 75 | 66 | 61 | 58 | 58 | 54 | 47 | 42 | 44 | 39 | 29 | 23 | 15 | 9 | | | | |
| Westhampton Beach 40°48.2'N., 72°38.4'W. | 89 | 80 | 67 | 58 | 53 | 49 | 49 | 45 | 39 | 34 | 35 | 30 | 21 | 15 | 7 | | | | | |
| Moriches Inlet 40°45.8'N., 72°45.3'W. | 85 | 76 | 63 | 54 | 49 | 46 | 45 | 42 | 35 | 30 | 32 | 27 | 17 | 11 | | | | | | |
| Bellport 40°45.1'N., 72°56.0'W | 75 | 66 | 53 | 44 | 38 | 35 | 35 | 31 | 24 | 19 | 21 | 16 | 6 | | | | | | | |
| Patchogue 40°45.5'N., 73°01.2'W. | 72 | 63 | 50 | 41 | 36 | 32 | 32 | 28 | 22 | 17 | 18 | 13 | | | | | | | | |
| Bay Shore 40°42.8'N., 73°14.2'W. | 60 | 51 | 38 | 29 | 24 | 21 | 21 | 17 | 10 | 5 | 9 | | | | | | | | | |
| Fire Island Inlet 40°37.8'N., 73°18.6'W. | 60 | 51 | 38 | 29 | 24 | 21 | 20 | 16 | 12 | 8 | | | | | | | | | | |
| Babylon 40°41.2'N., 73°18.9'W. | 57 | 48 | 35 | 26 | 21 | 18 | 17 | 13 | 6 | | | | | | | | | | | |
| Amityville 40°39.6'N., 73°24.8'W. | 51 | 42 | 29 | 20 | 15 | 12 | 11 | 7 | | | | | | | | | | | | |
| Jones Beach 40°36.2'N., 73°30.8'W. | 44 | 35 | 22 | 13 | 8 | 4 | 4 | | | | | | | | | | | | | |
| Jones Inlet 40°34.4'N., 73°34.9'W. | 41 | 32 | 19 | 10 | 5 | 4 | | | | | | | | | | | | | | |
| Freeport 40°37.6'N., 73°34.9'W. | 42 | 33 | 20 | 11 | 6 | | | | | | | | | | | | | | | |
| Long Beach 40°35.7'N., 73°39.4'W. | 36 | 27 | 14 | 5 | | | | | | | | | | | | | | | | |
| East Rockaway 40°34.9'N., 73°45.4'W. | 31 | 22 | 9 | | | | | | | | | | | | | | | | | |
| * Rockaway Point 40°32.4'N., 73°56.5'W. | 27 | 13 | | | | | | | | | | | | | | | | | | |
| * NEW YORK (The Battery) 40°42.0'N., 74°01.0'W. | 40 | | | | | | | | | | | | | | | | | | | |

Distances are in nautical miles

* Outside distances westward of East Rockaway Inlet

Distances on the Hudson River—New York, New York to Troy Lock, New York

Table 5

| | Troy Lock | Watervliet | Troy | Rensselaer | Albany | Coeymans | Coxsackie | Athens | Hudson | Catskill | Saugerties | Kingston | Hyde Park | Poughkeepsie | Newburgh | West Point | Peekskill | Haverstraw | Ossining | Nyack | Tarrytown | Yonkers |
|---|-----------|------------|------|------------|--------|----------|-----------|--------|--------|----------|------------|----------|-----------|--------------|----------|------------|-----------|------------|----------|-------|-----------|---------|
| NEW YORK (The Battery) 40°42.0'N., 74°01.0'W. | 134 | 132 | 132 | 126 | 126 | 115 | 108 | 102 | 102 | 99 | 89 | 80 | 71 | 66 | 53 | 45 | 38 | 33 | 29 | 25 | 24 | 16 |
| Yonkers 40°56.1'N., 73°54.3'W. | 118 | 116 | 116 | 110 | 110 | 100 | 93 | 86 | 86 | 83 | 74 | 64 | 55 | 50 | 37 | 29 | 23 | 18 | 14 | 10 | 9 | |
| Tarrytown 41°04.7'N., 73°52.2'W. | 110 | 108 | 108 | 102 | 102 | 92 | 85 | 78 | 78 | 75 | 66 | 56 | 47 | 42 | 29 | 21 | 15 | 9 | 6 | 2 | | |
| Nyack 41°05.4'N., 73°54.9'W. | 110 | 108 | 108 | 102 | 102 | 92 | 85 | 78 | 78 | 75 | 66 | 57 | 48 | 43 | 29 | 22 | 15 | 10 | 6 | | | |
| Ossining 41°09.6'N., 73°52.3'W. | 106 | 104 | 104 | 98 | 98 | 88 | 80 | 74 | 74 | 71 | 62 | 52 | 43 | 38 | 25 | 17 | 11 | 5 | | | | |
| Haverstraw 41°11.8'N., 73°57.5'W. | 102 | 100 | 100 | 94 | 94 | 84 | 76 | 70 | 70 | 67 | 58 | 48 | 39 | 34 | 21 | 13 | 6 | | | | | |
| Peekskill 41°17.3'N., 73°56.0'W. | 96 | 94 | 94 | 88 | 88 | 78 | 71 | 64 | 64 | 61 | 52 | 43 | 34 | 29 | 15 | 8 | | | | | | |
| West Point 41°23.1'N., 73°57.3'W. | 89 | 87 | 87 | 81 | 81 | 70 | 63 | 57 | 57 | 54 | 45 | 35 | 26 | 21 | 8 | | | | | | | |
| Newburgh 41°30.1'N., 74°00.3'W. | 81 | 79 | 79 | 73 | 73 | 62 | 55 | 49 | 49 | 46 | 37 | 27 | 18 | 13 | | | | | | | | |
| Poughkeepsie 41°42.3'N., 73°56.5'W. | 68 | 66 | 66 | 60 | 60 | 49 | 42 | 36 | 36 | 33 | 24 | 14 | 5 | | | | | | | | | |
| Hyde Park 41°47.3'N., 73°56.9'W. | 63 | 61 | 61 | 55 | 55 | 44 | 37 | 31 | 31 | 28 | 19 | 9 | | | | | | | | | | |
| Kingston 41°55.1'N., 73°59.0'W. | 56 | 54 | 54 | 48 | 48 | 38 | 30 | 24 | 24 | 21 | 12 | | | | | | | | | | | |
| Saugerties 42°04.4'N., 73°56.7'W. | 46 | 44 | 44 | 38 | 38 | 28 | 21 | 14 | 14 | 11 | | | | | | | | | | | | |
| Catskill 42°13.0'N., 73°52.1'W. | 37 | 35 | 35 | 29 | 29 | 19 | 11 | 5 | 5 | | | | | | | | | | | | | |
| Hudson 42°15.3'N., 73°48.1'W. | 32 | 30 | 30 | 24 | 24 | 14 | 7 | 1 | | | | | | | | | | | | | | |
| Athens 42°15.6'N., 73°48.5'W. | 32 | 30 | 30 | 24 | 24 | 14 | 6 | | | | | | | | | | | | | | | |
| Coxsackie 42°21.0'N., 73°47.6'W. | 26 | 24 | 24 | 18 | 18 | 7 | | | | | | | | | | | | | | | | |
| Coeymans 42°28.5'N., 73°47.4'W. | 18 | 16 | 16 | 10 | 10 | | | | | | | | | | | | | | | | | |
| Albany 42°37.9'N., 73°45.3'W. | 8 | 6 | 6 | 0 | | | | | | | | | | | | | | | | | | |
| Rensselaer 42°37.9'N., 73°45.1'W. | 8 | 6 | 6 | | | | | | | | | | | | | | | | | | | |
| Troy 42°43.7'N., 73°41.8'W. | 2 | 0 | | | | | | | | | | | | | | | | | | | | |
| Watervliet 42°43.7'N., 73°41.9'W. | 2 | | | | | | | | | | | | | | | | | | | | | |

Distances are in nautical miles

New York State Waterway Distances

Table 6

| City and local point | From Buffalo (Erie Basin) | From Oswego (Lake Terminal) | From Troy Lock |
|-------------------------------------|------------------------------|--------------------------------|----------------|
| via Erie Canal | | | |
| BUFFALO (Erie Basin) | - | 214.2 | 353.3 |
| Tonawanda (terminal) | 12.9 | 201.3 | 340.3 |
| Lockport (lower terminal) | 30.9 | 183.3 | 322.3 |
| Rochester | 93.9 | 126.9 | 265.9 |
| Newark (dock) | 124.3 | 89.9 | 228.9 |
| Syracuse (terminal) | 190.1 | 37.2 | 176.2 |
| Rome (terminal) | 235.9 | 69.1 | 117.3 |
| Utica (terminal) | 249.9 | 83.1 | 104.9 |
| Little Falls (terminal) | 270.8 | 104 | 82.5 |
| Amsterdam (terminal) | 313.3 | 146.5 | 40 |
| Schenectady | 330.1 | 163.3 | 23.8 |
| Cohoes | 351.6 | 184.8 | 1.7 |
| Troy Lock | 353.3 | 186.5 | - |
| via Cayuga and Seneca Canals | | | |
| Watkins Glen | 201.4 | 116.8 | 255.9 |
| Ithaca | 191.4 | 106.7 | 245.8 |
| via Oswego Canal | | | |
| Fulton (dock wall) | 202.5 | 11.7 | 174.7 |
| Oswego (lake terminal) | 214.2 | - | 186.5 |
| via Champlain Canal and Lake | | | |
| Mechanicville (terminal) | 360.1 | 193.3 | 11.4 |
| Fort Edward (terminal) | 388.7 | 222 | 40.1 |
| Whitehall (terminal) | 411.2 | 244.5 | 62.6 |
| Burlington (landing) | 481.8 | 315.1 | 133.1 |
| Plattsburg (terminal) | 497.2 | 330.5 | 148.5 |
| Rouses Point (terminal) | 593.3 | 366.5 | 173.0 |

Distances are in statute miles

Coastwise Distances—New York, New York to Chesapeake Bay entrance, Virginia

Table 7

| | CHESAPEAKE BAY ENTRANCE | Chincoteague, VA | Ocean City, MD | Indian River Inlet, DE | Trenton, NJ | Former U.S. Steel Basin, PA | Philadelphia, PA | Chester, PA | Marcus Hook, PA | Wilmington, DE | C & D CANAL (east entrance) | Harbor of Refuge, DE | DELAWARE BAY ENTRANCE | Cape May Harbor, NJ | Atlantic City, NJ | Barnegat Inlet, NJ | Manasquan Inlet, NJ | NEW YORK, NY | MONTAUK POINT, NY |
|---|----------------------------|------------------|----------------|------------------------|-------------|--------------------------------|------------------|-------------|-----------------|----------------|--------------------------------|----------------------|--------------------------|---------------------|-------------------|--------------------|---------------------|--------------|-------------------|
| NANTUCKET SHOALS 40°30.0'N., 69°25.0'W. | 381 | 328 | 295 | 285 | 400 | 395 | 372 | 356 | 353 | 347 | 336 | 285 | 285 | 271 | 242 | 221 | 212 | 223 | 113 |
| MONTAUK POINT, NY 41°01.7'N., 71°47.3'W. | 322 | 262 | 227 | 209 | 327 | 322 | 299 | 283 | 280 | 274 | 263 | 212 | 212 | 192 | 157 | 131 | 117 | 122 | |
| NEW YORK, NY 40°42.0'N., 74°01.0'W. | 267 | 201 | 161 | 145 | 268 | 263 | 240 | 224 | 221 | 215 | 204 | 153 | 153 | 128 | 94 | 63 | 40 | | |
| Manasquan Inlet, NJ 40°06.9'N., 72°30.3'W. | 291 | 161 | 121 | 105 | 212 | 207 | 184 | 169 | 165 | 159 | 148 | 98 | 97 | 85 | 52 | 22 | | | |
| Barnegat Inlet, NJ 39°46.0'N., 74°06.3'W. | 199 | 141 | 101 | 86 | 193 | 188 | 165 | 150 | 146 | 140 | 129 | 79 | 78 | 65 | 32 | | | | |
| Atlantic City, NJ 39°22.6'N., 74°24.9'W. | 171 | 113 | 73 | 57 | 164 | 159 | 136 | 121 | 117 | 111 | 100 | 50 | 49 | 37 | | | | | |
| Cape May Harbor, NJ 38°57.1'N., 74°52.6'W. | 141 | 80 | 40 | 24 | 131 | 126 | 103 | 88 | 84 | 78 | 67 | 17 | 16 | | | | | | |
| DELAWARE BAY ENTRANCE 38°50.5'N., 75°03.3'W. | 136 | 72 | 32 | 15 | 115 | 110 | 87 | 72 | 68 | 62 | 51 | 2 | | | | | | | |
| Harbor of Refuge, DE 38°49.0'N., 75°05.2'W. | 136 | 71 | 31 | 14 | 116 | 111 | 88 | 73 | 69 | 63 | 52 | | | | | | | | |
| C & D CANAL (east entrance) 39°33.8'N., 75°32.8'W. | 206 | 123 | 83 | 66 | 64 | 59 | 36 | 21 | 17 | 11 | | | | | | | | | |
| Wilmington, DE 39°43.2'N., 75°31.5'W. | 218 | 134 | 95 | 77 | 54 | 49 | 26 | 11 | 8 | | | | | | | | | | |
| Marcus Hook, PA 39°48.2'N., 75°25.2'W. | 224 | 140 | 101 | 83 | 46 | 41 | 18 | 3 | | | | | | | | | | | |
| Chester, PA 39°50.0'N., 75°22.0'W. | 227 | 144 | 104 | 86 | 43 | 38 | 15 | | | | | | | | | | | | |
| Philadelphia, PA 39°56.8'N., 75°08.3'W. | 242 | 159 | 119 | 101 | 28 | 23 | | | | | | | | | | | | | |
| Former U.S. Steel Basin, PA 40°08.2'N., 74°45.3'W. | 265 | 182 | 142 | 124 | 5 | | | | | | | | | | | | | | |
| Trenton, NJ 40°37.6'N., 73°34.9'W. | 270 | 187 | 147 | 129 | | | | | | | | | | | | | | | |
| Indian River Inlet, DE 38°36.5'N., 75°03.6'W. | 118 | 60 | 20 | | | | | | | | | | | | | | | | |
| Ocean City, MD 38°19.6'N., 75°05.6'W. | 100 | 41 | | | | | | | | | | | | | | | | | |
| Chincoteague, VA 37°56.1'N., 75°22.8'W. | 69 | | | | | | | | | | | | | | | | | | |

Distances are in nautical miles

Ambrose Channel Lighted Whistle Buoy A (40°27.5'N., 73°50.2'W.) to New York, 20.7 miles
 Five Fathom Bank Lighted Buoy F (38°46.8'N., 74°34.5'W.) to Philadelphia, 111 miles
 Delaware Lighted Buoy D (38°27.3'N., 74°41.8'W.) to Philadelphia, 116 miles
 Chesapeake Light (36°54.3'N., 75°42.8'W.) to Norfolk, 42 miles; to Baltimore, 165 miles

Distances by Intracoastal Waterway – Manasquan Inlet to Cape May Canal, New Jersey

Table 8

| | CHESAPEAKE AND DELAWARE CANAL (east entrance) | Cape May Canal (west entrance) | Cape May Harbor | Wildwood | Stone Harbor | Avalon | Sea Isle City | Ocean City | Mays Landing | Atlantic City | Beach Haven | Barnegat Inlet | Forked River (town) | Seaside Park | Toms River (town) | Mantoloking | Bay Head | Manasquan Inlet | Shark River Inlet* |
|--|--|--------------------------------|-----------------|----------|--------------|--------|---------------|------------|--------------|---------------|-------------|----------------|---------------------|--------------|-------------------|-------------|----------|-----------------|--------------------|
| NEW YORK (The Battery) 40°42.0'N., 74°01.0'W. | 190 | 142 | 138 | 133 | 128 | 123 | 119 | 108 | 124 | 97 | 79 | 66 | 63 | 54 | 58 | 46 | 44 | 40 | 34 |
| Shark River Inlet* 40°11.2'N., 74°00.5'W. | 156 | 108 | 103 | 99 | 94 | 89 | 85 | 74 | 90 | 62 | 45 | 32 | 29 | 20 | 23 | 11 | 9 | 6 | |
| Manasquan Inlet 40°06.1'N., 74°01.9'W. | 150 | 102 | 98 | 93 | 88 | 83 | 79 | 68 | 84 | 57 | 39 | 26 | 23 | 14 | 18 | 6 | 4 | | |
| Bay Head 40°03.8'N., 74°03.1'W. | 146 | 98 | 94 | 89 | 85 | 79 | 76 | 64 | 80 | 53 | 35 | 22 | 19 | 10 | 14 | 2 | | | |
| Mantoloking 40°02.2'N., 74°03.4'W. | 144 | 96 | 92 | 88 | 83 | 77 | 74 | 63 | 79 | 51 | 33 | 20 | 17 | 9 | 12 | | | | |
| Toms River (town) 39°56.9'N., 74°11.8'W. | 142 | 94 | 90 | 86 | 81 | 75 | 72 | 60 | 77 | 49 | 31 | 18 | 15 | 7 | | | | | |
| Seaside Park 39°55.3'N., 74°05.0'W. | 137 | 89 | 85 | 80 | 75 | 70 | 66 | 55 | 71 | 44 | 26 | 13 | 10 | | | | | | |
| Forked River (town) 39°50.1'N., 74°11.7'W. | 132 | 84 | 80 | 75 | 70 | 65 | 61 | 50 | 66 | 39 | 21 | 8 | | | | | | | |
| Barnegat Inlet 39°46.0'N., 74°06.3'W. | 131 | 83 | 79 | 74 | 69 | 64 | 60 | 49 | 65 | 38 | 20 | | | | | | | | |
| Beach Haven 39°34.0'N., 74°14.8'W. | 111 | 63 | 59 | 54 | 49 | 44 | 40 | 29 | 45 | 18 | | | | | | | | | |
| Atlantic City 39°22.6'N., 74°24.9'W. | 95 | 47 | 43 | 39 | 34 | 28 | 25 | 13 | 30 | | | | | | | | | | |
| Mays Landing 39°26.9'N., 74°43.4'W. | 100 | 52 | 47 | 43 | 38 | 33 | 29 | 18 | | | | | | | | | | | |
| Ocean City 39°17.3'N., 74°34.4'W. | 82 | 34 | 30 | 25 | 20 | 15 | 11 | | | | | | | | | | | | |
| Sea Isle City 39°09.4'N., 74°42.0'W. | 71 | 23 | 18 | 14 | 9 | 4 | | | | | | | | | | | | | |
| Avalon 39°06.6'N., 74°44.0'W. | 67 | 19 | 15 | 10 | 5 | | | | | | | | | | | | | | |
| Stone Harbor 39°03.4'N., 74°46.0'W. | 62 | 14 | 9 | 5 | | | | | | | | | | | | | | | |
| Wildwood 39°00.5'N., 74°49.8'W. | 57 | 9 | 5 | | | | | | | | | | | | | | | | |
| Cape May Harbor 38°57.1'N., 74°52.6'W. | 52 | 4 | | | | | | | | | | | | | | | | | |
| Cape May Canal (west entrance) 38°58.0'N., 74°58.0'W. | 48 | | | | | | | | | | | | | | | | | | |

Distances are in nautical miles

*Outside distances between New York and Manasquan Inlet

Distances on Delaware Bay and River

Table 9

| | Trenton, NJ | Bordentown, NJ | (former) U.S. Steel Basin, PA | Burlington, NJ | Philadelphia, PA | Schuylkill River (mouth), PA | Chester, PA | Bridgeport, NJ | Marcus Hook, PA | Wilmington, DE | New Castle, DE | C & D CANAL (east entrance) | Salem, NJ | Smyrna River (mouth), DE | Bridgeton, NJ | Mauricetown, NJ | St. Jones River (mouth), DE | Cape May Canal (west entrance) | Roosevelt Inlet, DE |
|--|-------------|----------------|-------------------------------|----------------|------------------|------------------------------|-------------|----------------|-----------------|----------------|----------------|-----------------------------|-----------|--------------------------|---------------|-----------------|-----------------------------|--------------------------------|---------------------|
| DELAWARE BAY ENTRANCE 38°50.5'N., 75°03.3'W. | 115 | 112 | 110 | 103 | 87 | 80 | 72 | 72 | 68 | 62 | 58 | 51 | 54 | 39 | 51 | 33 | 20 | 9 | 6 |
| Roosevelt Inlet, DE 38°47.7'N., 75°09.4'W. | 116 | 113 | 111 | 104 | 88 | 81 | 73 | 73 | 69 | 63 | 59 | 52 | 55 | 40 | 52 | 37 | 20 | 14 | |
| Cape May Canal (west entrance) 38°58.0'N., 74°58.0'W. | 112 | 109 | 107 | 100 | 84 | 77 | 69 | 69 | 65 | 59 | 55 | 48 | 51 | 36 | 47 | 26 | 21 | | |
| St. Jones River (mouth), DE 39°04.0'N., 75°22.5'W. | 97 | 94 | 92 | 85 | 69 | 63 | 55 | 55 | 51 | 45 | 40 | 34 | 36 | 21 | 35 | 30 | | | |
| Mauricetown, NJ 39°17.1'N., 74°59.5'W. | 115 | 112 | 110 | 103 | 87 | 80 | 72 | 72 | 68 | 62 | 58 | 51 | 54 | 39 | 51 | | | | |
| Bridgeton, NJ 39°25.5'N., 75°14.2'W. | 100 | 97 | 95 | 88 | 72 | 65 | 57 | 57 | 53 | 47 | 43 | 36 | 39 | 25 | | | | | |
| Smyrna River (mouth), DE 39°22.2'N., 75°30.2'W. | 77 | 74 | 72 | 65 | 49 | 42 | 34 | 34 | 30 | 24 | 20 | 13 | 16 | | | | | | |
| Salem, NJ 39°34.6'N., 75°28.7'W. | 69 | 66 | 64 | 57 | 41 | 34 | 26 | 26 | 22 | 16 | 12 | 5 | | | | | | | |
| C & D CANAL (east entrance) 39°33.8'N., 75°32.8'W. | 64 | 61 | 59 | 52 | 36 | 29 | 21 | 21 | 17 | 11 | 7 | | | | | | | | |
| New Castle, DE 39°39.4'N., 75°33.6'W. | 58 | 55 | 53 | 46 | 30 | 23 | 15 | 15 | 12 | 5 | | | | | | | | | |
| Wilmington, DE 39°43.2'N., 75°31.5'W. | 54 | 51 | 49 | 42 | 26 | 19 | 11 | 11 | 8 | | | | | | | | | | |
| Marcus Hook, PA 39°48.2'N., 75°25.2'W. | 46 | 43 | 41 | 34 | 18 | 12 | 3 | 4 | | | | | | | | | | | |
| Bridgeport, NJ 39°48.0'N., 75°21.3'W. | 49 | 46 | 44 | 37 | 22 | 14 | 6 | | | | | | | | | | | | |
| Chester, PA 39°50.0'N., 75°22.0'W. | 43 | 40 | 38 | 31 | 15 | 9 | | | | | | | | | | | | | |
| Schuylkill River (mouth), PA 39°52.8'N., 75°11.9'W. | 34 | 31 | 29 | 23 | 7 | | | | | | | | | | | | | | |
| Philadelphia, PA 39°56.8'N., 75°08.3'W. | 28 | 25 | 23 | 16 | | | | | | | | | | | | | | | |
| Burlington, NJ 40°04.9'N., 74°51.8'W. | 12 | 9 | 7 | | | | | | | | | | | | | | | | |
| (former) U.S. Steel Basin, PA 40°08.2'N., 74°45.3'W. | 5 | 2 | | | | | | | | | | | | | | | | | |
| Bordentown, NJ 40°09.1'N., 74°43.0'W. | 4 | | | | | | | | | | | | | | | | | | |

Distances are in nautical miles

Chesapeake Bay Distances

Table 10

| | CHESAPEAKE BAY (entrance) | Norfolk, VA | Richmond, VA | Petersburg, VA | Hopewell, VA | Suffolk, VA | Newport News, VA | West Point, VA | Yorktown, VA | Cape Charles, VA | Fredericksburg, VA | Crisfield, MD | Washington, DC | Potomac River (mouth) | Salisbury, MD | Solomons, MD | Cambridge, MD | St. Michaels, MD | Annapolis, MD | Chestertown, MD | Baltimore, MD | Havre de Grace, MD | Chesapeake City, MD |
|---|---------------------------|-------------|--------------|----------------|--------------|-------------|------------------|----------------|--------------|------------------|--------------------|---------------|----------------|-----------------------|---------------|--------------|---------------|------------------|---------------|-----------------|---------------|--------------------|---------------------|
| C & D CANAL (east entrance) 39°33.8'N., 75°32.8'W. | 187 | 209 | 284 | 259 | 265 | 209 | 207 | 214 | 192 | 169 | 243 | 134 | 213 | 122 | 143 | 103 | 98 | 83 | 65 | 78 | 62 | 33 | 13 |
| Chesapeake City, MD 39°31.8'N., 75°48.9'W. | 174 | 196 | 271 | 246 | 252 | 196 | 194 | 201 | 179 | 156 | 230 | 121 | 200 | 109 | 130 | 90 | 85 | 70 | 52 | 65 | 49 | 20 | |
| Havre de Grace, MD 39°32.7'N., 76°05.0'W. | 166 | 175 | 249 | 240 | 230 | 190 | 172 | 185 | 163 | 149 | 224 | 115 | 192 | 101 | 124 | 84 | 78 | 62 | 45 | 61 | 41 | | |
| Baltimore, MD 39°16.0'N., 76°34.5'W. | 150 | 173 | 247 | 222 | 228 | 172 | 170 | 174 | 155 | 132 | 206 | 98 | 175 | 84 | 107 | 66 | 60 | 45 | 28 | 45 | | | |
| Chestertown, MD 39°12.4'N., 76°03.8'W. | 162 | 170 | 244 | 235 | 225 | 185 | 167 | 178 | 156 | 146 | 219 | 110 | 187 | 96 | 119 | 78 | 72 | 59 | 40 | | | | |
| Annapolis, MD 38°59.0'N., 76°28.6'W. | 129 | 140 | 213 | 204 | 194 | 152 | 136 | 152 | 130 | 112 | 186 | 77 | 155 | 64 | 86 | 45 | 39 | 25 | | | | | |
| St. Michaels, MD 38°47.2'N., 76°13.2'W. | 132 | 141 | 215 | 206 | 196 | 156 | 138 | 149 | 126 | 116 | 190 | 80 | 156 | 65 | 89 | 48 | 36 | | | | | | |
| Cambridge, MD 38°34.4'N., 76°04.3'W. | 123 | 132 | 206 | 197 | 187 | 147 | 129 | 140 | 117 | 107 | 182 | 72 | 149 | 58 | 81 | 39 | | | | | | | |
| Solomons, MD 39°19.2'N., 76°27.4'W. | 92 | 100 | 174 | 165 | 155 | 115 | 97 | 109 | 87 | 76 | 150 | 42 | 118 | 27 | 51 | | | | | | | | |
| Salisbury, MD 38°21.9'N., 75°36.3'W. | 103 | 113 | 187 | 178 | 168 | 128 | 110 | 122 | 100 | 87 | 165 | 43 | 141 | 49 | | | | | | | | | |
| Potomac River (mouth) 37°57.7'N., 76°16.7'W. | 67 | 89 | 163 | 137 | 144 | 89 | 86 | 90 | 68 | 50 | 125 | 27 | 96 | | | | | | | | | | |
| Washington, DC 38°52.4'N., 77°01.4'W. | 163 | 185 | 259 | 233 | 240 | 185 | 182 | 186 | 164 | 146 | 221 | 121 | | | | | | | | | | | |
| Crisfield, MD 37°58.6'N., 75°51.9'W. | 67 | 77 | 151 | 142 | 132 | 92 | 74 | 86 | 64 | 51 | 129 | | | | | | | | | | | | |
| Fredericksburg, VA 38°17.8'N., 77°27.2'W. | 136 | 146 | 220 | 211 | 201 | 161 | 143 | 154 | 132 | 122 | | | | | | | | | | | | | |
| Cape Charles, VA 37°15.9'N., 76°01.4'W. | 21 | 32 | 106 | 97 | 88 | 48 | 29 | 50 | 28 | | | | | | | | | | | | | | |
| Yorktown, VA 37°14.4'N., 76°30.5'W. | 34 | 58 | 132 | 101 | 114 | 55 | 55 | 22 | | | | | | | | | | | | | | | |
| West Point, VA 37°31.6'N., 76°48.1'W. | 56 | 66 | 140 | 123 | 122 | 78 | 63 | | | | | | | | | | | | | | | | |
| Newport News, VA 36°58.0'N., 76°26.0'W. | 24 | 12 | 77 | 68 | 58 | 21 | | | | | | | | | | | | | | | | | |
| Suffolk, VA 36°44.3'N., 76°35.0'W. | 42 | 29 | 98 | 89 | 79 | | | | | | | | | | | | | | | | | | |
| Hopewell, VA 37°19.0'N., 77°16.4'W. | 82 | 70 | 19 | 10 | | | | | | | | | | | | | | | | | | | |
| Petersburg, VA 37°14.1'N., 77°24.0'W. | 92 | 80 | 28 | | | | | | | | | | | | | | | | | | | | |
| Richmond, VA 37°31.4'N., 77°25.2'W. | 101 | 90 | | | | | | | | | | | | | | | | | | | | | |
| Norfolk, VA 36°50.9'N., 76°17.9'W. | 27 | | | | | | | | | | | | | | | | | | | | | | |

Distances are in nautical miles

Potomac River Distances

Table 11

| | Chain Bridge | Key Bridge | Washington, DC | Bladensburg, MD | Alexandria, VA | Mount Vernon, VA | Indian Head, MD | Occoquan, VA | Quantico, VA | Potomac River (US 301) Bridge | Dahlgren, VA | Colonial Beach, VA | Wicomico River (mouth), MD | Breton Bay (entrance), MD | Nomini Bay, VA | Lower Machodoc Creek, VA | Piney Point, MD | Yeocomico River (mouth), VA | St. Marys River (mouth), MD | Smith Creek (mouth), MD | Coan River (mouth), VA |
|---|--------------|------------|----------------|-----------------|----------------|------------------|-----------------|--------------|--------------|-------------------------------|--------------|--------------------|----------------------------|---------------------------|----------------|--------------------------|-----------------|-----------------------------|-----------------------------|-------------------------|------------------------|
| Potomac River (mouth) 37°57.7'N., 76°16.7'W. | 101 | 98 | 96 | 101 | 91 | 84 | 76 | 80 | 68 | 44 | 43 | 38 | 31 | 26 | 27 | 23 | 16 | 13 | 12 | 11 | 11 |
| Coan River (mouth), VA 37°59.7'N., 76°27.1'W. | 96 | 93 | 90 | 96 | 86 | 79 | 70 | 75 | 63 | 38 | 37 | 33 | 26 | 22 | 22 | 18 | 11 | 6 | 8 | 17 | |
| Smith Creek (mouth), MD 38°05.8'N., 76°24.0'W. | 95 | 92 | 89 | 95 | 85 | 78 | 69 | 74 | 62 | 37 | 36 | 32 | 25 | 21 | 21 | 17 | 10 | 8 | 3 | | |
| St. Marys River (mouth), MD 38°06.2'N., 76°26.3'W. | 93 | 90 | 87 | 93 | 83 | 76 | 68 | 72 | 60 | 35 | 34 | 30 | 23 | 19 | 19 | 15 | 8 | 7 | | | |
| Yeocomico River (mouth), VA 38°02.1'N., 76°31.0'W. | 94 | 91 | 88 | 94 | 84 | 76 | 68 | 72 | 61 | 36 | 35 | 31 | 24 | 19 | 20 | 16 | 9 | | | | |
| Piney Point, MD 38°08.0'N., 76°32.0'W. | 85 | 82 | 80 | 85 | 75 | 68 | 60 | 64 | 52 | 28 | 27 | 22 | 15 | 11 | 11 | 7 | | | | | |
| Lower Machodoc Creek, VA 38°08.5'N., 76°39.1'W. | 80 | 77 | 75 | 80 | 70 | 63 | 55 | 59 | 47 | 22 | 21 | 17 | 10 | 6 | 5 | | | | | | |
| Nomini Bay, VA 38°08.6'N., 76°43.4'W. | 78 | 75 | 72 | 78 | 68 | 60 | 52 | 57 | 45 | 20 | 19 | 15 | 8 | 6 | | | | | | | |
| Breton Bay (entrance), MD 38°14.0'N., 76°41.8'W. | 79 | 76 | 74 | 79 | 69 | 62 | 54 | 58 | 46 | 21 | 20 | 16 | 9 | | | | | | | | |
| Wicomico River (mouth), MD 38°14.5'N., 76°49.1'W. | 71 | 68 | 66 | 71 | 61 | 53 | 45 | 50 | 38 | 13 | 12 | 9 | | | | | | | | | |
| Colonial Beach, VA 38°14.4'N., 76°57.9'W. | 68 | 65 | 63 | 68 | 58 | 51 | 43 | 47 | 35 | 11 | 10 | | | | | | | | | | |
| Dahlgren, VA 38°19.1'N., 77°02.1'W. | 63 | 60 | 58 | 63 | 53 | 46 | 38 | 42 | 30 | 6 | | | | | | | | | | | |
| Potomac River Bridge (US 301) 38°21.7'N., 76°59.4'W. | 58 | 55 | 52 | 58 | 48 | 40 | 32 | 36 | 24 | | | | | | | | | | | | |
| Quantico, VA 38°31.2'N., 76°17.2'W. | 33 | 30 | 28 | 34 | 24 | 16 | 8 | 12 | | | | | | | | | | | | | |
| Occoquan, VA 38°41.0'N., 77°15.4'W. | 33 | 30 | 27 | 33 | 23 | 15 | 7 | | | | | | | | | | | | | | |
| Indian Head, MD 38°36.4'N., 77°10.0'W. | 26 | 23 | 20 | 26 | 16 | 8 | | | | | | | | | | | | | | | |
| Mount Vernon, VA 38°42.3'N., 77°05.3'W. | 19 | 16 | 13 | 19 | 9 | | | | | | | | | | | | | | | | |
| Alexandria, VA 38°48.2'N., 77°02.3'W. | 10 | 7 | 4 | 10 | | | | | | | | | | | | | | | | | |
| Bladensburg, MD 38°56.1'N., 76°56.4'W. | 14 | 11 | 8 | | | | | | | | | | | | | | | | | | |
| Washington, DC 38°52.4'N., 77°01.4'W. | 8 | 5 | | | | | | | | | | | | | | | | | | | |
| Key Bridge 38°54.1'N., 77°04.2'W. | 3 | | | | | | | | | | | | | | | | | | | | |

Distances are in nautical miles

Coastwise Distances—Norfolk, Virginia to Key West, Florida

Table 12

| | STRAITS OF FLORIDA | Key West, FL | Miami, FL | Port Everglades, FL | Port of Palm Beach, FL | Stuart, FL | Fort Pierce, FL | Cape Canaveral, FL | St. Augustine, FL | Jacksonville, FL | Fernandina Beach, FL | Brunswick, GA | Savannah, GA | Port Royal, SC | Charleston, SC | Georgetown, SC | Wilmington, NC | Southport, NC | Morehead City, NC | DIAMOND SHOALS | Norfolk, VA |
|--|--------------------|--------------|-----------|---------------------|------------------------|------------|-----------------|--------------------|-------------------|------------------|----------------------|---------------|--------------|----------------|----------------|----------------|----------------|---------------|-------------------|----------------|-------------|
| CHESAPEAKE BAY ENTRANCE 36°56.3'N., 75°58.6'W. | 942 | 881 | 743 | 720 | 678 | 666 | 647 | 612 | 557 | 560 | 533 | 527 | 476 | 465 | 402 | 365 | 336 | 315 | 222 | 117 | 27 |
| Norfolk, VA 36°51.2'N., 76°17.8'W. | 969 | 908 | 770 | 747 | 705 | 693 | 674 | 639 | 584 | 587 | 560 | 554 | 503 | 492 | 429 | 392 | 363 | 342 | 249 | 144 | |
| DIAMOND SHOALS 35°08.0'N., 75°15.0'W. | 825 | 764 | 626 | 603 | 561 | 549 | 530 | 495 | 440 | 443 | 416 | 410 | 359 | 348 | 285 | 248 | 219 | 198 | 105 | | |
| Morehead City, NC 34°42.8'N., 76°41.8'W. | 772 | 711 | 573 | 550 | 509 | 497 | 476 | 438 | 377 | 379 | 352 | 346 | 295 | 284 | 220 | 184 | 154 | 133 | | | |
| Southport, NC 33°54.8'N., 78°01.0'W. | 707 | 646 | 508 | 485 | 443 | 423 | 407 | 367 | 296 | 294 | 265 | 260 | 206 | 191 | 130 | 87 | 21 | | | | |
| Wilmington, NC 34°14.0'N., 77°57.0'W. | 728 | 667 | 529 | 506 | 464 | 444 | 428 | 388 | 317 | 315 | 286 | 281 | 227 | 212 | 151 | 108 | | | | | |
| Georgetown, SC 33°21.4'N., 79°16.9'W. | 671 | 610 | 472 | 449 | 407 | 391 | 368 | 324 | 246 | 247 | 216 | 210 | 154 | 141 | 79 | | | | | | |
| Charleston, SC 32°47.2'N., 79°55.2'W. | 633 | 572 | 434 | 411 | 369 | 353 | 329 | 283 | 199 | 197 | 166 | 156 | 102 | 90 | | | | | | | |
| Port Royal, SC 32°22.3'N., 80°41.6'W. | 605 | 544 | 406 | 383 | 341 | 324 | 298 | 251 | 157 | 152 | 120 | 110 | 51 | | | | | | | | |
| Savannah, GA 32°05.0'N., 81°05.7'W. | 604 | 543 | 405 | 382 | 340 | 324 | 298 | 251 | 152 | 145 | 115 | 104 | | | | | | | | | |
| Brunswick, GA 31°08.0'N., 81°29.7'W. | 549 | 488 | 350 | 327 | 285 | 268 | 242 | 195 | 90 | 82 | 50 | | | | | | | | | | |
| Fernandina Beach, FL 30°40.3'N., 81°28.0'W. | 526 | 465 | 327 | 304 | 262 | 242 | 216 | 169 | 61 | 53 | | | | | | | | | | | |
| Jacksonville, FL 30°19.2'N., 81°39.0'W. | 523 | 462 | 324 | 301 | 256 | 240 | 214 | 167 | 56 | | | | | | | | | | | | |
| St. Augustine, FL 29°53.6'N., 81°18.5'W. | 475 | 414 | 276 | 253 | 211 | 192 | 167 | 120 | | | | | | | | | | | | | |
| Cape Canaveral, FL 28°24.6'N., 80°36.5'W. | 374 | 313 | 175 | 152 | 110 | 91 | 69 | | | | | | | | | | | | | | |
| Fort Pierce, FL 27°27.5'N., 80°19.3'W. | 316 | 255 | 117 | 94 | 52 | 32 | | | | | | | | | | | | | | | |
| Stuart, FL 27°12.2'N., 80°15.6'W. | 300 | 239 | 101 | 78 | 36 | | | | | | | | | | | | | | | | |
| Port of Palm Beach, FL 26°46.1'N., 80°03.0'W. | 267 | 207 | 68 | 46 | | | | | | | | | | | | | | | | | |
| Port Everglades, FL 26°05.6'N., 80°07.0'W. | 226 | 165 | 27 | | | | | | | | | | | | | | | | | | |
| Miami, FL 25°47.0'N., 80°11.0'W. | 211 | 151 | | | | | | | | | | | | | | | | | | | |
| Key West, FL 24°33.7'N., 81°48.5'W. | 73 | | | | | | | | | | | | | | | | | | | | |

Distances are in nautical miles

Inside Route Distances—Norfolk, Virginia to Fernandina Beach, Florida

Table 13

| | Fernandina Beach, FL | Brunswick, GA | Thunderbolt, GA | Savannah, GA | Beaufort, SC | Charleston, SC | McClellanville, SC | Georgetown, SC | Bucksport, SC | Little River, SC | Southport, NC | Wilmington, NC | Wrightsville, NC | Jacksonville, NC | Swansboro, NC | Morehead City, NC | Beaufort, NC | New Bern, NC | Oriental, NC | Ocracoke, NC | Washington, NC | Belhaven, NC | Manteo, NC | Plymouth, NC | Edenton, NC | Columbia, NC | Hertford, NC | Elizabeth City, NC | Norfolk, VA |
|----------------------|----------------------|---------------|-----------------|--------------|--------------|----------------|--------------------|----------------|---------------|------------------|---------------|----------------|------------------|------------------|---------------|-------------------|--------------|--------------|--------------|--------------|----------------|--------------|------------|--------------|-------------|--------------|--------------|--------------------|-------------|
| Norfolk, VA | 623 | 595 | 507 | 508 | 466 | 406 | 374 | 352 | 328 | 299 | 268 | 273 | 248 | 231 | 20 | 178 | 177 | 180 | 160 | 131 | 156 | 120 | 80 | 105 | 98 | 89 | 89 | 77* | • |
| Elizabeth City, NC | 581 | 553 | 465 | 466 | 424 | 364 | 332 | 311 | 286 | 257 | 226 | 231 | 204 | 189 | 158 | 136 | 134 | 139 | 118 | 91 | 114 | 79 | 39 | 56 | 48 | 39 | 39 | • | 89 |
| Hertford, NC | 582 | 554 | 466 | 467 | 425 | 366 | 333 | 311 | 287 | 259 | 227 | 232 | 205 | 190 | 160 | 137 | 137 | 139 | 119 | 97 | 115 | 79 | 46 | 42 | 35 | 26 | • | 45 | 102 |
| Columbia, NC | 581 | 553 | 465 | 466 | 424 | 364 | 332 | 310 | 286 | 257 | 226 | 231 | 204 | 189 | 158 | 136 | 136 | 138 | 118 | 96 | 114 | 78 | 45 | 33 | 25 | • | 30 | 45 | 102 |
| Edenton, NC | 589 | 562 | 474 | 475 | 432 | 373 | 340 | 318 | 294 | 266 | 235 | 240 | 213 | 197 | 166 | 145 | 144 | 146 | 126 | 104 | 123 | 87 | 54 | 14 | • | 29 | 40 | 55 | 113 |
| Plymouth, NC | 596 | 570 | 482 | 483 | 441 | 381 | 349 | 327 | 303 | 274 | 243 | 248 | 221 | 206 | 175 | 152 | 152 | 155 | 134 | 113 | 130 | 95 | 61 | • | 16 | 38 | 48 | 64 | 121 |
| Manteo, NC | 555 | 527 | 439 | 440 | 397 | 337 | 306 | 283 | 260 | 232 | 201 | 205 | 178 | 162 | 132 | 110 | 110 | 110 | 91 | 61 | 105 | 70 | • | 70 | 62 | 52 | 53 | 45 | 92 |
| Belhaven, NC | 506 | 479 | 391 | 392 | 349 | 290 | 257 | 235 | 211 | 183 | 152 | 157 | 130 | 114 | 83 | 61 | 61 | 63 | 43 | 43 | 39 | • | 81 | 109 | 100 | 90 | 91 | 91 | 138 |
| Washington, NC | 519 | 491 | 403 | 404 | 362 | 302 | 270 | 248 | 224 | 195 | 164 | 169 | 142 | 127 | 96 | 74 | 74 | 76 | 56 | 60 | • | 45 | 121 | 150 | 142 | 131 | 132 | 131 | 180 |
| Ocracoke, NC | 504 | 477 | 389 | 390 | 347 | 288 | 255 | 233 | 209 | 181 | 150 | 155 | 128 | 112 | 81 | 59 | 59 | 62 | 41 | • | 69 | 49 | 70 | 130 | 120 | 110 | 112 | 105 | 151 |
| Oriental, NC | 467 | 440 | 352 | 353 | 310 | 251 | 218 | 196 | 172 | 144 | 113 | 118 | 91 | 75 | 44 | 22 | 22 | 23 | • | 47 | 64 | 49 | 105 | 154 | 145 | 136 | 137 | 136 | 184 |
| New Bern, NC | 484 | 456 | 368 | 369 | 327 | 267 | 235 | 213 | 188 | 160 | 129 | 134 | 107 | 91 | 60 | 38 | 38 | • | 26 | 71 | 87 | 72 | 127 | 178 | 168 | 159 | 160 | 160 | 207 |
| Beaufort, NC | 447 | 420 | 332 | 333 | 290 | 231 | 199 | 177 | 152 | 124 | 93 | 97 | 70 | 55 | 24 | 3 | • | 44 | 25 | 68 | 85 | 70 | 127 | 175 | 166 | 157 | 158 | 154 | 204 |
| Morehead City, NC | 445 | 418 | 330 | 331 | 288 | 229 | 196 | 174 | 150 | 122 | 91 | 96 | 69 | 53 | 22 | • | 3 | 44 | 25 | 68 | 85 | 70 | 127 | 175 | 167 | 157 | 158 | 157 | 205 |
| Swansboro, NC | 423 | 396 | 307 | 309 | 266 | 207 | 174 | 152 | 128 | 100 | 69 | 73 | 46 | 31 | • | 25 | 28 | 69 | 51 | 93 | 110 | 96 | 152 | 201 | 191 | 182 | 184 | 182 | 230 |
| Jacksonville, NC | 425 | 397 | 309 | 310 | 268 | 208 | 176 | 154 | 129 | 101 | 70 | 75 | 48 | • | 36 | 61 | 63 | 105 | 86 | 129 | 146 | 131 | 186 | 237 | 227 | 217 | 219 | 217 | 266 |
| Wrightsville, NC | 377 | 349 | 261 | 262 | 220 | 160 | 128 | 106 | 82 | 53 | 22 | 27 | • | 55 | 53 | 79 | 81 | 123 | 105 | 147 | 163 | 150 | 205 | 254 | 245 | 235 | 236 | 235 | 283 |
| Wilmington, NC | 376 | 349 | 260 | 261 | 219 | 159 | 127 | 105 | 81 | 52 | 21 | • | 31 | 86 | 84 | 110 | 112 | 154 | 136 | 178 | 194 | 181 | 236 | 285 | 276 | 266 | 267 | 266 | 314 |
| Southport, NC | 355 | 327 | 239 | 240 | 198 | 138 | 106 | 84 | 60 | 31 | • | 24 | 25 | 81 | 79 | 105 | 107 | 148 | 130 | 173 | 189 | 175 | 231 | 280 | 270 | 260 | 261 | 260 | 308 |
| Little River, SC | 324 | 296 | 208 | 209 | 167 | 107 | 75 | 53 | 28 | • | 36 | 60 | 61 | 116 | 115 | 140 | 143 | 184 | 166 | 208 | 224 | 211 | 267 | 315 | 306 | 296 | 298 | 296 | 344 |
| Bucksport, SC | 295 | 268 | 179 | 181 | 138 | 79 | 46 | 24 | • | 32 | 69 | 93 | 94 | 148 | 147 | 173 | 175 | 216 | 198 | 241 | 258 | 243 | 299 | 349 | 338 | 329 | 330 | 329 | 377 |
| Georgetown, SC | 273 | 246 | 157 | 159 | 116 | 56 | 24 | • | 28 | 61 | 97 | 121 | 122 | 177 | 175 | 200 | 203 | 245 | 226 | 268 | 285 | 270 | 326 | 376 | 366 | 357 | 358 | 358 | 405 |
| McClellanville, SC | 249 | 222 | 133 | 135 | 92 | 32 | • | 28 | 53 | 86 | 122 | 146 | 147 | 203 | 200 | 226 | 229 | 270 | 251 | 293 | 311 | 296 | 352 | 402 | 391 | 382 | 383 | 382 | 430 |
| Charleston, SC | 218 | 191 | 103 | 104 | 60 | • | 37 | 64 | 91 | 123 | 159 | 183 | 184 | 239 | 238 | 264 | 266 | 307 | 289 | 331 | 348 | 334 | 388 | 438 | 429 | 419 | 421 | 419 | 467 |
| Beaufort, SC | 157 | 130 | 41 | 43 | • | 69 | 106 | 133 | 159 | 192 | 228 | 252 | 253 | 308 | 306 | 331 | 334 | 376 | 357 | 399 | 417 | 402 | 457 | 508 | 497 | 488 | 489 | 488 | 536 |
| Savannah, GA | 130 | 102 | 14 | • | 49 | 120 | 155 | 183 | 208 | 241 | 276 | 300 | 302 | 357 | 356 | 381 | 383 | 425 | 406 | 449 | 465 | 451 | 506 | 556 | 547 | 536 | 537 | 536 | 585 |
| Thunderbolt, GA | 116 | 88 | • | 16 | 47 | 119 | 153 | 181 | 206 | 239 | 275 | 299 | 300 | 356 | 353 | 380 | 382 | 423 | 405 | 448 | 464 | 450 | 505 | 555 | 545 | 535 | 536 | 535 | 583 |
| Brunswick, GA | 35 | • | 101 | 117 | 150 | 220 | 255 | 283 | 308 | 341 | 376 | 402 | 402 | 457 | 456 | 481 | 483 | 525 | 506 | 549 | 565 | 551 | 606 | 656 | 647 | 636 | 638 | 636 | 685 |
| Fernandina Beach, FL | • | 40 | 133 | 150 | 181 | 251 | 287 | 314 | 339 | 373 | 409 | 433 | 434 | 489 | 487 | 512 | 514 | 557 | 537 | 580 | 597 | 582 | 639 | 688 | 678 | 669 | 670 | 669 | 717 |

Distances are in [nautical](#) and [statute miles](#)

*51 statute miles/44 nautical miles via the Dismal Swamp Canal

Inside Route Distances—Fernandina Beach, Florida to Key West, Florida

Table 14

| | Key West | Flamingo | Marathon | Matecumbe Harbor | Tavernier | Miami | Port Everglades | Fort Lauderdale | Port of Palm Beach | Jupiter | Fort Myers | Moore Haven | Clewiston | Port Mayaca | Stuart | Salerno | Fort Pierce | Vero Beach | Melbourne | Eau Gallie | Cocoa | Titusville | New Smyrna Beach | Daytona Beach | Marineland | St. Augustine | Jacksonville | Fernandina Beach | Norfolk, VA |
|--------------------|----------|----------|----------|------------------|-----------|-------|-----------------|-----------------|--------------------|---------|------------|-------------|-----------|-------------|--------|---------|-------------|------------|-----------|------------|-------|------------|------------------|---------------|------------|---------------|--------------|------------------|-------------|
| Norfolk, VA | 1081 | 1050 | 1045 | 1017 | 999 | 947 | 927 | 925 | 885 | 873 | 975 | 926 | 915 | 892 | 865 | 860 | 839 | 827 | 798 | 795 | 780 | 764 | 735 | 722 | 692 | 676 | 659 | 623 | • |
| Fernandina Beach | 458 | 427 | 422 | 394 | 378 | 324 | 304 | 303 | 262 | 251 | 353 | 303 | 292 | 269 | 242 | 237 | 216 | 204 | 175 | 172 | 157 | 141 | 113 | 99 | 69 | 53 | 36 | • | 717 |
| Jacksonville | 454 | 423 | 418 | 390 | 374 | 320 | 300 | 299 | 258 | 247 | 349 | 299 | 288 | 265 | 238 | 233 | 212 | 200 | 171 | 168 | 153 | 137 | 108 | 95 | 65 | 49 | • | 41 | 758 |
| St. Augustine | 405 | 374 | 369 | 341 | 324 | 271 | 251 | 249 | 209 | 197 | 299 | 250 | 239 | 216 | 189 | 184 | 163 | 151 | 122 | 119 | 104 | 88 | 59 | 46 | 16 | • | 56 | 60 | 778 |
| Marineland | 389 | 358 | 353 | 325 | 309 | 255 | 235 | 234 | 193 | 182 | 284 | 235 | 223 | 200 | 173 | 169 | 148 | 136 | 106 | 103 | 89 | 72 | 44 | 30 | • | 18 | 75 | 79 | 796 |
| Daytona Beach | 359 | 328 | 323 | 295 | 279 | 225 | 205 | 204 | 163 | 152 | 254 | 204 | 193 | 170 | 143 | 138 | 117 | 105 | 76 | 73 | 58 | 42 | 14 | • | 35 | 53 | 109 | 114 | 831 |
| New Smyrna Beach | 345 | 315 | 309 | 282 | 265 | 211 | 191 | 190 | 150 | 18 | 240 | 191 | 180 | 157 | 130 | 125 | 104 | 92 | 63 | 59 | 45 | 28 | • | 16 | 51 | 68 | 124 | 130 | 846 |
| Titusville | 317 | 286 | 281 | 253 | 237 | 183 | 163 | 162 | 121 | 110 | 212 | 163 | 151 | 128 | 101 | 97 | 76 | 64 | 34 | 31 | 17 | • | 32 | 48 | 83 | 101 | 158 | 162 | 879 |
| Cocoa | 301 | 270 | 264 | 237 | 220 | 166 | 146 | 145 | 105 | 93 | 195 | 146 | 135 | 112 | 85 | 80 | 59 | 47 | 18 | 14 | • | 20 | 52 | 67 | 102 | 120 | 176 | 181 | 898 |
| Eau Gallie | 286 | 255 | 250 | 223 | 206 | 152 | 132 | 131 | 90 | 79 | 181 | 132 | 120 | 97 | 70 | 66 | 45 | 33 | 3 | • | 16 | 36 | 68 | 84 | 119 | 137 | 193 | 198 | 915 |
| Melbourne | 283 | 252 | 247 | 219 | 203 | 149 | 129 | 128 | 87 | 76 | 178 | 128 | 117 | 94 | 67 | 62 | 41 | 29 | • | 14 | 21 | 39 | 72 | 87 | 122 | 140 | 197 | 201 | 918 |
| Vero Beach | 254 | 223 | 217 | 190 | 173 | 119 | 99 | 98 | 58 | 46 | 148 | 99 | 88 | 65 | 38 | 33 | 12 | • | 34 | 38 | 54 | 74 | 106 | 121 | 157 | 174 | 230 | 235 | 952 |
| Fort Pierce | 242 | 211 | 205 | 178 | 161 | 107 | 87 | 86 | 46 | 34 | 136 | 87 | 76 | 53 | 26 | 21 | • | 14 | 47 | 52 | 68 | 87 | 120 | 135 | 170 | 188 | 244 | 249 | 966 |
| Salerno | 224 | 193 | 188 | 161 | 144 | 90 | 70 | 69 | 28 | 17 | 119 | 70 | 58 | 35 | 8 | • | 24 | 38 | 71 | 76 | 92 | 112 | 144 | 159 | 194 | 212 | 268 | 273 | 990 |
| Stuart | 229 | 198 | 193 | 165 | 149 | 95 | 75 | 74 | 33 | 22 | 111 | 61 | 50 | 27 | • | 9 | 30 | 44 | 77 | 81 | 98 | 116 | 150 | 165 | 199 | 217 | 274 | 278 | 995 |
| Port Mayaca | 256 | 225 | 220 | 192 | 176 | 122 | 102 | 101 | 60 | 49 | 83 | 34 | 23 | • | 31 | 40 | 61 | 75 | 108 | 112 | 129 | 147 | 181 | 196 | 230 | 248 | 305 | 310 | 1026 |
| Clewiston | 279 | 248 | 243 | 215 | 199 | 145 | 125 | 124 | 83 | 72 | 61 | 11 | • | 26 | 58 | 67 | 87 | 101 | 135 | 138 | 155 | 174 | 207 | 222 | 257 | 275 | 331 | 336 | 1053 |
| Moore Haven | 290 | 259 | 254 | 227 | 210 | 156 | 136 | 135 | 94 | 83 | 49 | • | 13 | 40 | 70 | 81 | 100 | 114 | 148 | 152 | 168 | 188 | 220 | 235 | 270 | 288 | 344 | 349 | 1066 |
| Fort Myers | 339 | 309 | 303 | 276 | 259 | 205 | 185 | 184 | 144 | 132 | • | 56 | 70 | 96 | 128 | 137 | 157 | 170 | 205 | 208 | 224 | 244 | 276 | 292 | 327 | 344 | 402 | 406 | 1122 |
| Jupiter | 207 | 177 | 171 | 144 | 127 | 73 | 53 | 52 | 12 | • | 152 | 96 | 83 | 56 | 25 | 20 | 39 | 53 | 87 | 91 | 107 | 127 | 159 | 175 | 209 | 227 | 284 | 289 | 1005 |
| Port of Palm Beach | 196 | 165 | 160 | 132 | 116 | 62 | 42 | 41 | • | 14 | 166 | 108 | 96 | 69 | 38 | 32 | 53 | 67 | 100 | 104 | 121 | 139 | 173 | 188 | 222 | 241 | 297 | 302 | 1018 |
| Fort Lauderdale | 155 | 125 | 119 | 92 | 75 | 21 | 1 | • | 47 | 60 | 212 | 155 | 143 | 116 | 85 | 79 | 99 | 113 | 147 | 151 | 167 | 186 | 219 | 235 | 269 | 287 | 344 | 348 | 1064 |
| Port Everglades | 154 | 123 | 118 | 91 | 74 | 20 | • | 1 | 48 | 61 | 213 | 156 | 144 | 117 | 86 | 80 | 100 | 114 | 148 | 152 | 168 | 188 | 220 | 236 | 270 | 289 | 345 | 350 | 1067 |
| Miami | 134 | 104 | 98 | 71 | 54 | • | 23 | 24 | 71 | 84 | 236 | 180 | 167 | 141 | 109 | 104 | 123 | 137 | 171 | 175 | 191 | 211 | 243 | 259 | 293 | 312 | 368 | 373 | 1090 |
| Tavernier | 83 | 52 | 47 | 19 | • | 62 | 85 | 86 | 133 | 146 | 298 | 242 | 229 | 203 | 171 | 166 | 185 | 199 | 234 | 237 | 253 | 273 | 305 | 321 | 356 | 373 | 430 | 435 | 1150 |
| Matecumbe Harbor | 65 | 35 | 29 | • | 22 | 82 | 105 | 106 | 152 | 166 | 318 | 261 | 247 | 221 | 190 | 185 | 205 | 219 | 252 | 257 | 273 | 291 | 323 | 339 | 374 | 392 | 449 | 453 | 1170 |
| Marathon | 42 | 34 | • | 33 | 54 | 113 | 136 | 137 | 184 | 197 | 349 | 292 | 280 | 253 | 222 | 216 | 236 | 250 | 284 | 288 | 304 | 323 | 356 | 372 | 407 | 425 | 481 | 486 | 1203 |
| Flamingo | 73 | • | 39 | 40 | 60 | 120 | 142 | 144 | 190 | 204 | 356 | 296 | 285 | 259 | 228 | 222 | 243 | 257 | 290 | 293 | 311 | 329 | 362 | 377 | 412 | 430 | 486 | 491 | 1208 |
| Key West | • | 84 | 48 | 75 | 96 | 154 | 177 | 178 | 226 | 239 | 390 | 334 | 321 | 295 | 264 | 258 | 278 | 292 | 326 | 329 | 346 | 365 | 397 | 413 | 448 | 466 | 522 | 527 | 1244 |

Distances are in nautical and statute miles

Distances on St. Johns River, Florida

Table 15

| | Lake Harney | Sanford | Astor-Volusia | Georgetown | Leesburg | Moss Bluff Lock | Silver Springs | Welaka | Crescent City | Palatka | Doctors Lake Inlet | Jacksonville | Broward River (mouth) | Intracoastal Waterway | Mayport | St. Johns River (mouth) |
|-------------------------|-------------|---------|---------------|------------|----------|-----------------|----------------|--------|---------------|---------|--------------------|--------------|-----------------------|-----------------------|---------|-------------------------|
| St. Johns River (mouth) | 161 | 143 | 109 | 95 | 162 | 145 | 136 | 86 | 89 | 68 | 32 | 20 | 12 | 4 | 2 | • |
| Mayport | 159 | 141 | 107 | 93 | 160 | 143 | 134 | 84 | 87 | 66 | 30 | 18 | 10 | 2 | • | 2 |
| Intracoastal Waterway | 157 | 139 | 105 | 91 | 158 | 141 | 132 | 82 | 85 | 64 | 28 | 16 | 8 | • | 2 | 5 |
| Broward River (mouth) | 149 | 131 | 97 | 83 | 150 | 133 | 124 | 74 | 77 | 56 | 20 | 8 | • | 9 | 12 | 14 |
| Jacksonville | 141 | 123 | 89 | 75 | 142 | 125 | 116 | 66 | 69 | 48 | 12 | • | 9 | 18 | 21 | 23 |
| Doctors Lake Inlet | 129 | 111 | 77 | 62 | 129 | 112 | 104 | 54 | 56 | 36 | • | 14 | 23 | 32 | 35 | 37 |
| Palatka | 93 | 75 | 41 | 26 | 94 | 76 | 68 | 18 | 20 | • | 41 | 55 | 64 | 74 | 76 | 78 |
| Crescent City | 101 | 83 | 49 | 35 | 102 | 85 | 76 | 26 | • | 23 | 64 | 79 | 89 | 98 | 100 | 102 |
| Welaka | 75 | 57 | 23 | 8 | 75 | 58 | 50 | • | 30 | 21 | 62 | 76 | 85 | 94 | 97 | 99 |
| Silver Springs | 123 | 105 | 71 | 56 | 31 | 14 | • | 58 | 87 | 78 | 120 | 134 | 143 | 152 | 154 | 157 |
| Moss Bluff Lock | 131 | 113 | 79 | 65 | 17 | • | 16 | 67 | 98 | 87 | 129 | 144 | 153 | 162 | 165 | 167 |
| Leesburg | 148 | 131 | 96 | 82 | • | 20 | 36 | 86 | 117 | 108 | 148 | 163 | 173 | 182 | 184 | 186 |
| Georgetown | 66 | 49 | 14 | • | 94 | 75 | 64 | 9 | 40 | 30 | 71 | 86 | 96 | 105 | 107 | 109 |
| Astor-Volusia | 52 | 34 | • | 16 | 110 | 91 | 82 | 26 | 56 | 47 | 89 | 102 | 112 | 121 | 123 | 125 |
| Sanford | 18 | • | 39 | 56 | 151 | 130 | 121 | 66 | 96 | 86 | 128 | 142 | 151 | 160 | 162 | 165 |
| Lake Harney | • | 21 | 60 | 76 | 170 | 151 | 142 | 86 | 116 | 107 | 148 | 162 | 171 | 181 | 183 | 185 |

Distances are in [nautical](#) and [statute](#) miles

Gulf Coast Distances—Key West, Florida to Port Brownsville, Texas

Table 16

| | Port Brownsville, TX | Port Isabel, TX | Corpus Christi, TX | La Quinta, TX | Point Comfort, TX | Freeport, TX | Houston, TX | Texas City, TX | Galveston, TX | Beaumont, TX | Orange, TX | Port Arthur, TX | Lake Charles, LA | Morgan City, LA | NEW ORLEANS, LA (SW Pass)* | New Orleans, LA (South Pass)* | Gulfport, MS | Pascagoula, MS | Mobile, AL | Pensacola, FL | Panama City, FL | Port St. Joe, FL | Tampa, FL | Port Tampa, FL | St. Petersburg, FL | Port Boca Grande, FL | Key West, FL | STRAITS OF FLORIDA |
|-------------------------------|----------------------|-----------------|--------------------|---------------|-------------------|--------------|-------------|----------------|---------------|--------------|------------|-----------------|------------------|-----------------|----------------------------|-------------------------------|--------------|----------------|------------|---------------|-----------------|------------------|-----------|----------------|--------------------|----------------------|--------------|--------------------|
| YUCATAN CHANNEL | 729 | 718 | 769 | 763 | 761 | 717 | 740 | 702 | 696 | 717 | 713 | 691 | 705 | 602 | 587 | 579 | 576 | 554 | 562 | 533 | 506 | 495 | 404 | 399 | 389 | 332 | 251 | 192 |
| STRAITS OF FLORIDA | 793 | 782 | 807 | 802 | 797 | 743 | 746 | 707 | 702 | 726 | 722 | 700 | 715 | 581 | 540 | 524 | 792 | 469 | 471 | 437 | 381 | 369 | 232 | 228 | 219 | 150 | 73 | |
| Key West, FL | 866 | 855 | 880 | 875 | 870 | 816 | 819 | 780 | 775 | 799 | 795 | 773 | 789 | 653 | 613 | 597 | 564 | 542 | 544 | 510 | 454 | 442 | 305 | 301 | 292 | 223 | | |
| Port Boca Grande, FL | 825 | 814 | 816 | 811 | 806 | 747 | 752 | 714 | 709 | 730 | 726 | 704 | 717 | 564 | 512 | 489 | 436 | 414 | 413 | 372 | 294 | 281 | 113 | 109 | 100 | | | |
| St. Petersburg, FL | 813 | 802 | 797 | 792 | 786 | 729 | 733 | 695 | 690 | 710 | 707 | 684 | 697 | 539 | 488 | 459 | 401 | 379 | 377 | 334 | 252 | 240 | 18 | 8 | | | | |
| Port Tampa, FL | 822 | 810 | 805 | 800 | 795 | 738 | 742 | 704 | 699 | 719 | 715 | 693 | 706 | 548 | 496 | 467 | 409 | 387 | 386 | 343 | 261 | 248 | 18 | | | | | |
| Tampa, FL | 826 | 815 | 810 | 804 | 799 | 742 | 746 | 708 | 703 | 723 | 719 | 697 | 710 | 552 | 502 | 472 | 413 | 392 | 389 | 347 | 265 | 252 | | | | | | |
| Port St. Joe, FL | 695 | 684 | 671 | 666 | 661 | 604 | 605 | 567 | 562 | 581 | 577 | 565 | 568 | 397 | 346 | 308 | 235 | 213 | 206 | 154 | 42 | | | | | | | |
| Panama City, FL | 684 | 673 | 659 | 654 | 649 | 593 | 594 | 555 | 550 | 571 | 567 | 545 | 558 | 385 | 333 | 295 | 222 | 200 | 193 | 139 | | | | | | | | |
| Pensacola, FL | 643 | 632 | 618 | 614 | 609 | 552 | 553 | 514 | 509 | 530 | 526 | 504 | 517 | 339 | 288 | 253 | 117 | 94 | 89 | | | | | | | | | |
| Mobile, AL | 629 | 618 | 605 | 600 | 595 | 538 | 539 | 501 | 496 | 517 | 513 | 491 | 504 | 324 | 269 | 236 | 98 | 75 | | | | | | | | | | |
| Pascagoula, MS | 609 | 598 | 585 | 580 | 575 | 518 | 519 | 481 | 476 | 497 | 493 | 471 | 484 | 304 | 250 | 216 | 52 | | | | | | | | | | | |
| Gulfport, MS | 632 | 621 | 607 | 602 | 597 | 540 | 542 | 503 | 498 | 519 | 515 | 493 | 506 | 330 | 271 | 238 | | | | | | | | | | | | |
| New Orleans, LA (South Pass)* | 599 | 588 | 574 | 569 | 564 | 508 | 470 | 465 | 486 | 482 | 460 | 472 | 298 | - | - | | | | | | | | | | | | | |
| NEW ORLEANS, LA (SW Pass)* | 580 | 569 | 555 | 550 | 545 | 489 | 490 | 451 | 446 | 467 | 463 | 441 | 454 | 278 | | | | | | | | | | | | | | |
| Morgan City, LA | 426 | 415 | 395 | 390 | 354 | 273 | 278 | 240 | 235 | 216 | 212 | 190 | 182 | | | | | | | | | | | | | | | |
| Lake Charles, LA | 387 | 376 | 289 | 283 | 248 | 166 | 172 | 133 | 128 | 109 | 105 | 83 | | | | | | | | | | | | | | | | |
| Port Arthur, TX | 347 | 336 | 249 | 244 | 208 | 126 | 132 | 94 | 89 | 26 | 22 | | | | | | | | | | | | | | | | | |
| Orange, TX | 369 | 358 | 271 | 266 | 230 | 148 | 154 | 116 | 111 | 27 | | | | | | | | | | | | | | | | | | |
| Beaumont, TX | 373 | 362 | 275 | 270 | 234 | 152 | 158 | 120 | 115 | | | | | | | | | | | | | | | | | | | |
| Galveston, TX | 304 | 293 | 207 | 201 | 165 | 84 | 47 | 9 | | | | | | | | | | | | | | | | | | | | |
| Texas City, TX | 309 | 298 | 212 | 206 | 170 | 89 | 52 | | | | | | | | | | | | | | | | | | | | | |
| Houston, TX | 348 | 337 | 250 | 244 | 209 | 127 | | | | | | | | | | | | | | | | | | | | | | |
| Freeport, TX | 258 | 247 | 160 | 154 | 119 | | | | | | | | | | | | | | | | | | | | | | | |
| Point Comfort, TX | 215 | 204 | 117 | 112 | | | | | | | | | | | | | | | | | | | | | | | | |
| La Quinta, TX | 148 | 137 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Corpus Christi, TX | 154 | 142 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Port Isabel, TX | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Distances are in nautical miles

All tabular distances are via Straits of Florida (24°25'N., 82°00'W.), and through the Shipping Safety Fairways. For distances from Key West to west Florida ports via Rebecca Shoal Channel (24°24.4'N., 82°42.4'W.), subtract 24 miles from Port Boca Grande distance, 17 miles from Tampa Bay distance, 9 miles from Port St. Joe and Panama City distances, and 5 miles from Pensacola.

*Baton Rouge, LA add 115 miles

Coastwise and Inside Route Distances—Key West, Florida to Apalachicola, Florida

Table 17

| | Apalachicola, FL | Carrabelle, FL | St. Marks, FL | Cedar Key, FL | Tarpon Springs, FL | Clearwater, FL | Tampa, FL | St. Petersburg, FL | Bradenton, FL | Sarasota, FL | Venice, FL | Port Boca Grande, FL | Fort Myers, FL | Naples, FL | Everglades, FL | Cape Sable, FL | Flamingo, FL | Matecumbe Harbor, FL | Marathon, FL |
|----------------------|------------------|----------------|---------------|---------------|--------------------|----------------|-----------|--------------------|---------------|--------------|------------|----------------------|----------------|------------|----------------|----------------|--------------|----------------------|--------------|
| Key West, FL | 406 | 389 | 367 | 310 | 250 | 234 | 232 | 218 | 210 | 186 | 172 | 144 | 134 | 96 | 88 | 57 | 70 | 65 | 42 |
| Marathon, FL | 408 | 391 | 389 | 313 | 253 | 237 | 235 | 221 | 213 | 189 | 174 | 146 | 136 | 100 | 80 | 31 | 37 | 29 | |
| Matecumbe Harbor, FL | 411 | 394 | 392 | 316 | 255 | 240 | 237 | 224 | 215 | 191 | 177 | 149 | 139 | 103 | 81 | 32 | 35 | | |
| Flamingo, FL | 396 | 379 | 377 | 301 | 240 | 225 | 222 | 209 | 200 | 176 | 162 | 134 | 124 | 88 | 66 | 17 | | | |
| Cape Sable, FL | 379 | 362 | 360 | 284 | 223 | 208 | 205 | 192 | 183 | 159 | 145 | 117 | 107 | 71 | 49 | | | | |
| Everglades, FL | 350 | 334 | 332 | 255 | 195 | 179 | 177 | 163 | 155 | 131 | 116 | 88 | 79 | 38 | | | | | |
| Naples, FL | 316 | 299 | 297 | 221 | 160 | 145 | 143 | 129 | 120 | 96 | 82 | 54 | 44 | | | | | | |
| Fort Myers, FL | 297 | 280 | 278 | 202 | 142 | 126 | 124 | 110 | 102 | 78 | 63 | 35 | | | | | | | |
| Port Boca Grande, FL | 262 | 245 | 244 | 167 | 107 | 91 | 89 | 75 | 67 | 43 | 28 | | | | | | | | |
| Venice, FL | 234 | 218 | 216 | 139 | 79 | 63 | 61 | 47 | 39 | 15 | | | | | | | | | |
| Sarasota, FL | 221 | 204 | 202 | 125 | 65 | 49 | 42 | 33 | 25 | | | | | | | | | | |
| Bradenton, FL | 209 | 193 | 191 | 114 | 54 | 38 | 36 | 22 | | | | | | | | | | | |
| St. Petersburg, FL | 202 | 186 | 184 | 107 | 47 | 31 | 18 | | | | | | | | | | | | |
| Tampa, FL | 218 | 202 | 200 | 123 | 63 | 47 | | | | | | | | | | | | | |
| Clearwater, FL | 174 | 157 | 155 | 79 | 18 | | | | | | | | | | | | | | |
| Tarpon Springs, FL | 164 | 147 | 145 | 68 | | | | | | | | | | | | | | | |
| Cedar Key, FL | 118 | 101 | 91 | | | | | | | | | | | | | | | | |
| St. Marks, FL | 69 | 52 | | | | | | | | | | | | | | | | | |
| Carrabelle, FL | 25 | | | | | | | | | | | | | | | | | | |

Distances are in nautical miles

Routes used in table:

Hawk Channel—between Marathon and Key West

Northwest Channel (Key West) and outside to places between Cape Sable and San Carlos Bay, thence inside to Anclote Keys, thence outside to St. George Sound.

Distances from Everglades northwest are inside via Big Marco River and Gordon Pass.

Gulf Intracoastal Waterway Distances—Apalachicola, Florida to Port Brownsville, Texas

Table 18

| | Port Brownsville, TX | Port Isabel, TX | Port Mansfield, TX | Corpus Christi, TX | La Quinta, TX | Aransas Pass, TX | Rockport, TX | Port O'Connor, TX | Freeport, TX | Texas City, TX | Houston, TX | Galveston, TX | Port Arthur, TX | Beaumont, TX | Orange, TX | Lake Charles, LA | Morgan City, LA | Houma, LA | New Orleans, LA | Gulfport, MS | Biloxi, MS | Pascagoula, MS | Mobile, AL | Pensacola, FL | Fort Walton Beach, FL | Panama City, FL | Port St. Joe, FL | Apalachicola, FL |
|-----------------------|----------------------|-----------------|--------------------|--------------------|---------------|------------------|--------------|-------------------|--------------|----------------|-------------|---------------|-----------------|--------------|------------|------------------|-----------------|-----------|-----------------|--------------|------------|----------------|------------|---------------|-----------------------|-----------------|------------------|------------------|
| Apalachicola, FL | 900 | 887 | 856 | 786 | 780 | 769 | 762 | 717 | 651 | 615 | 653 | 614 | 556 | 562 | 537 | 525 | 388 | 356 | 302 | 248 | 236 | 222 | 214 | 150 | 112 | 51 | 27 | • |
| Port St. Joe, FL | 885 | 872 | 841 | 771 | 766 | 754 | 748 | 703 | 636 | 600 | 636 | 599 | 542 | 547 | 523 | 510 | 374 | 341 | 288 | 233 | 224 | 208 | 200 | 135 | 98 | 36 | • | 31 |
| Panama City, FL | 849 | 836 | 805 | 735 | 730 | 718 | 712 | 666 | 600 | 564 | 602 | 563 | 506 | 511 | 487 | 474 | 338 | 305 | 252 | 197 | 188 | 171 | 164 | 99 | 62 | • | 41 | 59 |
| Fort Walton Beach, FL | 788 | 775 | 743 | 673 | 666 | 656 | 650 | 605 | 539 | 503 | 541 | 502 | 444 | 450 | 425 | 412 | 276 | 243 | 190 | 136 | 126 | 110 | 102 | 37 | • | 71 | 113 | 129 |
| Pensacola, FL | 758 | 746 | 714 | 644 | 639 | 627 | 621 | 576 | 510 | 474 | 512 | 473 | 415 | 421 | 396 | 383 | 247 | 214 | 161 | 106 | 97 | 81 | 73 | • | 43 | 114 | 155 | 173 |
| Mobile, AL | 736 | 723 | 692 | 622 | 616 | 605 | 598 | 553 | 487 | 451 | 489 | 450 | 392 | 396 | 373 | 361 | 224 | 191 | 138 | 84 | 74 | 58 | • | 84 | 117 | 189 | 230 | 246 |
| Pascagoula, MS | 693 | 980 | 649 | 579 | 574 | 562 | 556 | 510 | 444 | 408 | 446 | 407 | 350 | 355 | 331 | 318 | 182 | 149 | 96 | 41 | 32 | • | 67 | 93 | 127 | 197 | 239 | 255 |
| Biloxi, MS | 680 | 668 | 636 | 566 | 561 | 549 | 543 | 496 | 431 | 396 | 433 | 394 | 337 | 342 | 318 | 305 | 169 | 136 | 83 | 26 | • | 37 | 85 | 112 | 145 | 216 | 258 | 274 |
| Gulfport, MS | 664 | 651 | 620 | 550 | 544 | 533 | 526 | 481 | 415 | 379 | 417 | 378 | 320 | 326 | 302 | 289 | 152 | 120 | 66 | • | 32 | 47 | 97 | 122 | 157 | 227 | 268 | 285 |
| New Orleans, LA | 598 | 585 | 553 | 483 | 578 | 466 | 460 | 415 | 349 | 313 | 351 | 312 | 254 | 260 | 235 | 222 | 86 | 53 | • | 76 | 96 | 110 | 159 | 185 | 219 | 290 | 331 | 348 |
| Houma, LA | 544 | 532 | 500 | 430 | 425 | 413 | 407 | 362 | 295 | 260 | 297 | 258 | 201 | 206 | 182 | 169 | 33 | • | 61 | 138 | 157 | 171 | 220 | 246 | 280 | 351 | 392 | 410 |
| Morgan City, LA | 512 | 499 | 467 | 397 | 392 | 380 | 374 | 329 | 263 | 227 | 265 | 226 | 168 | 174 | 149 | 136 | • | 38 | 99 | 175 | 194 | 209 | 258 | 284 | 318 | 389 | 430 | 447 |
| Lake Charles, LA | 395 | 382 | 351 | 280 | 275 | 264 | 257 | 212 | 146 | 110 | 148 | 109 | 51 | 57 | 32 | • | 157 | 194 | 255 | 333 | 351 | 266 | 415 | 441 | 474 | 545 | 587 | 604 |
| Orange, TX | 364 | 352 | 320 | 250 | 245 | 233 | 227 | 182 | 115 | 80 | 117 | 78 | 21 | 26 | • | 37 | 171 | 209 | 270 | 348 | 366 | 381 | 429 | 456 | 489 | 560 | 602 | 618 |
| Beaumont, TX | 370 | 357 | 326 | 255 | 250 | 236 | 232 | 187 | 121 | 85 | 123 | 84 | 26 | • | 30 | 66 | 200 | 237 | 299 | 375 | 394 | 409 | 458 | 484 | 518 | 588 | 629 | 647 |
| Port Arthur, TX | 344 | 331 | 300 | 229 | 224 | 212 | 206 | 161 | 95 | 59 | 97 | 58 | • | 30 | 24 | 59 | 193 | 231 | 292 | 368 | 388 | 403 | 451 | 478 | 511 | 582 | 624 | 640 |
| Galveston, TX | 289 | 276 | 244 | 174 | 169 | 158 | 151 | 106 | 40 | 10 | 48 | • | 67 | 97 | 90 | 125 | 260 | 297 | 359 | 435 | 453 | 468 | 518 | 544 | 578 | 648 | 689 | 707 |
| Houston, TX | 333 | 320 | 289 | 219 | 213 | 202 | 195 | 150 | 84 | 48 | • | 55 | 112 | 142 | 135 | 170 | 305 | 342 | 404 | 480 | 496 | 513 | 563 | 589 | 623 | 693 | 734 | 751 |
| Texas City, TX | 294 | 281 | 249 | 179 | 174 | 162 | 156 | 111 | 44 | • | 55 | 12 | 68 | 98 | 92 | 127 | 261 | 299 | 360 | 436 | 456 | 470 | 519 | 545 | 579 | 649 | 690 | 708 |
| Freeport, TX | 253 | 240 | 209 | 139 | 133 | 122 | 115 | 70 | • | 51 | 97 | 46 | 109 | 139 | 132 | 168 | 303 | 339 | 402 | 478 | 496 | 511 | 560 | 587 | 620 | 690 | 732 | 749 |
| Port O'Connor, TX | 183 | 170 | 136 | 68 | 63 | 52 | 45 | • | 81 | 128 | 173 | 122 | 185 | 215 | 209 | 244 | 379 | 417 | 478 | 554 | 573 | 587 | 636 | 663 | 696 | 766 | 809 | 825 |
| Rockport, TX | 140 | 127 | 96 | 26 | 20 | 9 | • | 52 | 132 | 180 | 224 | 174 | 237 | 267 | 261 | 296 | 430 | 468 | 529 | 605 | 625 | 640 | 688 | 715 | 748 | 819 | 861 | 877 |
| Aransas Pass, TX | 131 | 118 | 87 | 17 | 12 | • | 10 | 60 | 140 | 186 | 232 | 182 | 244 | 274 | 268 | 304 | 437 | 475 | 536 | 613 | 632 | 647 | 696 | 722 | 755 | 826 | 868 | 885 |
| La Quinta, TX | 129 | 116 | 85 | 15 | • | 14 | 23 | 72 | 153 | 200 | 245 | 194 | 258 | 288 | 282 | 316 | 451 | 489 | 550 | 626 | 646 | 661 | 709 | 735 | 769 | 840 | 881 | 898 |
| Corpus Christi, TX | 133 | 120 | 89 | • | 17 | 20 | 30 | 78 | 160 | 206 | 252 | 200 | 264 | 293 | 288 | 322 | 457 | 495 | 556 | 633 | 651 | 666 | 716 | 741 | 774 | 846 | 887 | 905 |
| Port Mansfield, TX | 46 | 33 | • | 102 | 98 | 100 | 110 | 159 | 241 | 287 | 333 | 281 | 345 | 375 | 368 | 404 | 537 | 575 | 636 | 713 | 732 | 747 | 796 | 822 | 855 | 926 | 968 | 985 |
| Port Isabel, TX | 13 | • | 38 | 138 | 133 | 136 | 146 | 196 | 276 | 323 | 368 | 318 | 381 | 411 | 405 | 440 | 574 | 612 | 673 | 749 | 769 | 783 | 832 | 858 | 892 | 962 | 1003 | 1021 |
| Port Brownsville, TX | • | 15 | 53 | 153 | 148 | 151 | 161 | 211 | 291 | 338 | 383 | 333 | 396 | 426 | 419 | 455 | 589 | 626 | 688 | 764 | 783 | 797 | 847 | 872 | 907 | 977 | 1018 | 1036 |

Distances are in nautical and statute miles

Puerto Rico and Virgin Islands Distances

Table 19

| | Krause Lagoon, St. Croix, VI | Frederiksted, St. Croix, VI | Christiansted, St. Croix, VI | Road Town, Tortola, BVI | Cruz Bay, St. John, VI | Charlotte Amalie, St. Thomas, VI | Isabel Segunda, Vieques | Ensenada Honda, Culebra | Puerto Arecibo, PR | Bahia de Aguadilla, PR | Mayaguez, PR | Bahia de Guanica, PR | Bahia de Guayanilla, PR | Bahia de Tallaboa, PR | Ponce, PR | Bahia de Jobos, PR | Humacao, PR | Ensenada Honda, PR | Fajardo, PR |
|----------------------------------|------------------------------|-----------------------------|------------------------------|-------------------------|------------------------|----------------------------------|-------------------------|-------------------------|--------------------|------------------------|--------------|----------------------|-------------------------|-----------------------|-----------|--------------------|-------------|--------------------|-------------|
| San Juan, PR | 112 | 96 | 103 | 94 | 82 | 80 | 55 | 59 | 43 | 74 | 92 | 138 | 145 | 145 | 152 | 103 | 59 | 52 | 40 |
| Fajardo, PR | 77 | 61 | 68 | 66 | 53 | 46 | 18 | 25 | 72 | 103 | 121 | 99 | 89 | 88 | 83 | 65 | 21 | 14 | |
| Ensenada Honda, PR | 72 | 60 | 69 | 65 | 51 | 44 | 12 | 25 | 84 | 115 | 133 | 90 | 80 | 79 | 74 | 56 | 11 | | |
| Humacao, PR | 70 | 58 | 68 | 71 | 57 | 50 | 17 | 31 | 92 | 123 | 131 | 82 | 72 | 71 | 65 | 48 | | | |
| Bahia de Jobos, PR | 101 | 89 | 101 | 113 | 99 | 93 | 62 | 76 | 140 | 105 | 96 | 47 | 37 | 36 | 31 | | | | |
| Ponce, PR | 117 | 106 | 119 | 131 | 116 | 110 | 79 | 93 | 118 | 83 | 74 | 22 | 14 | 13 | | | | | |
| Bahia de Tallaboa, PR | 122 | 111 | 124 | 136 | 121 | 116 | 85 | 98 | 112 | 76 | 67 | 16 | 5 | | | | | | |
| Bahia de Guayanilla, PR | 123 | 112 | 125 | 137 | 122 | 117 | 86 | 99 | 112 | 77 | 67 | 15 | | | | | | | |
| Bahia de Guanica, PR | 133 | 122 | 135 | 147 | 132 | 126 | 96 | 109 | 105 | 70 | 60 | | | | | | | | |
| Mayaguez, PR | 182 | 171 | 184 | 175 | 164 | 161 | 136 | 141 | 58 | 23 | | | | | | | | | |
| Bahia de Aguadilla, PR | 176 | 159 | 166 | 157 | 146 | 144 | 118 | 123 | 40 | | | | | | | | | | |
| Puerto Arecibo, PR | 144 | 128 | 135 | 126 | 115 | 112 | 87 | 92 | | | | | | | | | | | |
| Ensenada Honda, Culebra | 59 | 42 | 48 | 47 | 31 | 24 | 15 | | | | | | | | | | | | |
| Isabel Segunda, Vieques | 62 | 46 | 54 | 55 | 40 | 33 | | | | | | | | | | | | | |
| Charlotte Amalie, St. Thomas, VI | 54 | 38 | 38 | 24 | 11 | | | | | | | | | | | | | | |
| Cruz Bay, St. John, VI | 55 | 39 | 37 | 15 | | | | | | | | | | | | | | | |
| Road Town, Tortola, BVI | 62 | 46 | 42 | | | | | | | | | | | | | | | | |
| Christiansted, St. Croix, VI | 35 | 19 | | | | | | | | | | | | | | | | | |
| Frederiksted, St. Croix, VI | 18 | | | | | | | | | | | | | | | | | | |

Distances are in nautical miles

● Via Mona Passage

Limetree Bay, St. Croix, Virgin Islands is 1 mile east of Krause Lagoon.

Mississippi River Systems Distances

Distances on the Mississippi River Systems—Table 20

Distances in this section are the mileages (in statute miles) from the mouth of a river (or other designated point) taken from charts, maps, and publications of the U.S. Army Corps of Engineers. Distances between any two points on the same waterway may be obtained by taking the difference of the indicated mileages. Distances between places on different waterways can be determined by taking distances to and from a common reference point—see Example 2 in General Information. Likewise, distances between places on different rivers can be determined—see Example 3 in General Information.

At Head of Passes, three of the Mississippi River's important passes come together: South Pass, Southwest Pass and Pass a Loutre. This point of confluence is at Head of Passes Junction Light (29°08'53"N., 89°15'05"W.). From this point, distances on the Mississippi River are measured in statute miles *above Head of Passes*, abbreviated AHP, to its confluence with the Ohio River.

| Head of Passes | |
|--|-------|
| Buras, LA | 25 |
| Port Sulphur, LA | 39 |
| Algiers Alternate Route (entrance to Algiers Lock) | 88 |
| Inner Harbor Navigation Canal (Industrial Canal) | 93 |
| NEW ORLEANS (Canal Street) | 95 |
| Harvey Canal (lock entrance) | 98 |
| Donaldson, LA | 175 |
| Plaquemine, LA | 209 |
| Baton Rouge, LA (Interstate 10 bridge) Add 64 miles to Morgan City by Intracoastal Waterway via Port Allen Lock | 229 |
| Red River mouth, LA (Old River) | 304 |
| Natchez, MS (US 84 bridge) | 363 |
| Vicksburg, MS | 437 |
| Greenville, MS (Warfield Point Light) | 537 |
| Helena, AR | 663 |
| Memphis, TN (Interstate 55 bridge) | 734 |
| Ohio River mouth Cairo, IL is two miles above the Ohio River mouth | 954 |
| Commerce, MO | 994 |
| Cape Girardeau, MO | 1,006 |
| Grand Tower, IL | 1,034 |
| St. Louis, MO | 1,134 |
| Lock No. 27 | 1,139 |
| Dam No. 27 | 1,144 |
| Missouri River mouth | 1,149 |
| Alton, IL (Lock and Dam No. 26) | 1,157 |
| Illinois River mouth (Grafton, IL) | 1,172 |
| Lock and Dam No. 25 | 1,195 |

| | |
|-------------------------------------|-------|
| Lock and Dam No. 24 | 1,227 |
| Lock and Dam No. 22 | 1,255 |
| Hannibal, MO | 1,264 |
| Quincy, IL (Lock and Dam No. 21) | 1,279 |
| La Grange, MO | 1,290 |
| Lock and Dam No. 20 | 1,297 |
| Keokuk, IA (Lock and Dam No. 19) | 1,318 |
| Fort Madison, IA | 1,338 |
| Burlington, IA | 1,357 |
| Lock and Dam No. 18 | 1,364 |
| Lock and Dam No. 17 | 1,391 |
| Lock and Dam No. 16 | 1,411 |
| Davenport, IA (Lock and Dam No. 15) | 1,437 |
| Lock and Dam No. 14 | 1,447 |
| Clinton, IA | 1,473 |
| Lock and Dam No. 13 | 1,477 |
| Lock and Dam No. 12 | 1,511 |
| Dubuque, IA | 1,534 |
| Lock and Dam No. 11 | 1,537 |
| Lock and Dam No. 10 | 1,569 |
| Prairie du Chien, WI | 1,589 |
| Lock and Dam No. 9 | 1,602 |
| Lock and Dam No. 8 | 1,633 |
| La Crosse, WI | 1,652 |
| Lock and Dam No. 7 | 1,656 |
| Lock and Dam No. 6 | 1,668 |
| Winona, MN | 1,680 |
| Lock and Dam No. 5A | 1,682 |
| Lock and Dam No. 5 | 1,692 |
| Lock and Dam No. 4 | 1,702 |
| Lock and Dam No. 3 | 1,751 |
| Lock and Dam No. 2 | 1,769 |
| St. Paul, MN | 1,793 |
| Lock and Dam No. 1 | 1,802 |
| Minneapolis, MN | 1,807 |

Ohio River

Junction of Ohio and Mississippi Rivers to:

| | |
|-----------|----|
| Cairo, IL | 2 |
| Dam 53 | 18 |

| | |
|---|-----|
| Dam 52 | 42 |
| Tennessee River mouth (Paducah, KY) | 46 |
| Cumberland River mouth | 58 |
| Smithland Lock and Dam | 62 |
| Wabash River mouth | 133 |
| Evansville, IN | 187 |
| Newburg Lock and Dam | 205 |
| Owensboro, KY | 225 |
| Cannelton Lock and Dam | 260 |
| McAlpine Lock and Dam | 374 |
| Louisville, KY (Interstate 65 bridge) | 378 |
| Madison, IN | 423 |
| Markland Lock and Dam | 449 |
| Cincinnati, OH | 509 |
| Captain Anthony Meldahl Dam | 545 |
| Portsmouth, OH | 626 |
| Greenup Dam | 640 |
| Ironton, OH | 655 |
| Huntington, WV | 673 |
| Gallipolis Dam | 702 |
| Gallipolis, OH | 711 |
| Belleville Dam | 777 |
| Parkersburg, WV | 797 |
| Marietta, OH | 809 |
| Willow Island Dam | 820 |
| Hannibal Lock and Dam | 855 |
| Wheeling, WV | 894 |
| Pike Island Lock and Dam | 897 |
| Steubenville, OH | 913 |
| New Cumberland Lock and Dam | 927 |
| East Liverpool, OH | 938 |
| Montgomery Lock and Dam | 950 |
| Dashiels Lock and Dam | 968 |
| Emsworth Lock and Dam | 975 |
| Pittsburgh, PA (Point Bridge) | 981 |
| Tennessee River | |
| Junction of the Tennessee and Ohio Rivers to: | |
| Paducah, KY | 0 |
| Kentucky Lock and Dam | 22 |

| | |
|---|-----|
| New Johnsonville, TN | 100 |
| Perryville, TN | 135 |
| Saltillo | 172 |
| Cerro Gordo | 178 |
| Savannah | 190 |
| Pickwick Landing Lock and Dam | 207 |
| Waterloo, AL | 227 |
| Sheffield, AL | 254 |
| Wilson Lock and Dam (Florence, AL) | 260 |
| General Joe Wheeler Lock and Dam | 275 |
| Decatur, AL | 304 |
| Guntersville Lock and Dam | 349 |
| Bridgeport | 414 |
| South Pittsburgh | 418 |
| Nickajack Lock and Dam | 425 |
| Chattanooga, TN | 464 |
| Chickamauga Lock and Dam | 471 |
| Watts Bar Lock and Dam | 530 |
| Clinch River mouth | 568 |
| Loudon, TN | 592 |
| Fort Loudon Lock and Dam | 602 |
| Knoxville, TN (Gay Street bridge) | 648 |
| Missouri River | |
| Junction of the Missouri and Mississippi Rivers to: | |
| St. Charles, MO | 28 |
| Washington, MO | 67 |
| Hermann, MO | 98 |
| Mouth of Gasconade River | 104 |
| Gasconade, MO | 105 |
| Mouth of Auxvass River | 120 |
| Mouth of Middle River | 125 |
| Mouth of Osage River | 130 |
| Jefferson City, MO | 143 |
| Boonville, MO | 197 |
| Mouth of Lamine River | 202 |
| Glasgow, MO | 226 |
| Mouth of Chariton River | 239 |
| Mouth of Grand River | 250 |
| Miami, MO | 263 |

| | |
|--|-----|
| Waverly, MO | 294 |
| Lexington, MO | 317 |
| Napoleon, MO | 329 |
| Kansas City, MO | 363 |
| Mouth of Kansas River | 367 |
| Leavenworth, KS | 396 |
| St. Joseph, MO | 448 |
| Mouth of Big Nemaha River | 495 |
| Rulo, NE | 498 |
| Mouth of Tarkio River | 507 |
| Mouth of Nishnabotna River | 542 |
| Nebraska City, NE | 563 |
| Plattsmouth, NE | 591 |
| Omaha, NE | 615 |
| Council Bluffs, IA | 617 |
| Dakota City, NE | 725 |
| Sioux City, IA | 732 |
| Ponca, NE | 753 |
| Illinois River | |
| Junction of Illinois and Mississippi Rivers at Grafton, IL to: | |
| Hardin, IL | 21 |
| Florence, IL | 55 |
| Naples, IL | 65 |
| La Grange Lock | 80 |
| Beardstown, IL | 89 |
| Peoria Lock | 158 |
| Chillicothe, IL | 180 |
| Hennepin, IL | 207 |
| Illinois and Mississippi Canal | 210 |
| Peru, IL | 222 |
| Ottawa, IL | 239 |
| Marseille Lock | 244 |
| Dresden Island Lock | 271 |
| Des Plaines River | |
| Joliet, IL | 288 |
| Chicago Sanitary and Ship Canal | |
| Lockport, IL | 293 |
| Chicago River | |
| CHICAGO, IL (41°43.8'N., 87°31.9'W.) | 333 |

The Mississippi River from Head of Passes to Baton Rouge is charted by NOAA's National Ocean Service (NOS). The reach from the Head of Passes to the confluence with the Ohio River is charted by the U.S. Army Corps of Engineers in **Flood Control and Navigation Maps of the Mississippi River**. Mileages indicated in Flood Control and Navigation Maps of the Mississippi River are in statute miles AHP.

The Ohio River is charted by the U.S. Army Corps of Engineers in **Ohio River Navigation Charts** (three volumes.) Distances are in statute miles.

The Illinois Waterway is charted by the U.S. Army Corps of Engineers in **Charts of the Illinois Waterway from Mississippi River at Grafton, IL to Lake Michigan at Chicago**.

The Tennessee River is charted by the U.S. Army Corps of Engineers in **Tennessee River Navigation Charts, Nashville District**.

The Missouri River is charted by the U.S. Army Corps of Engineers in **Missouri River Navigation Charts** (two volumes.) Distances are in statute miles.

Great Lakes and New York State Waterways Distances

Great Lakes Distances

Table 21

| | MONTREAL, QUEBEC | Ogdensburg, NY | Kingston, Ontario | Toronto, Ontario | Oswego, NY | Rochester, NY | Port Colborne, Ontario | BUFFALO, NY | Erie, PA | Conneaut, OH | Ashtabula, OH | Fairport, OH | Cleveland, OH | Lorain, OH | Toledo, OH | Detroit, MI | Port Huron, MI | Midland, Ontario | Collingwood, Ontario | Goderich, Ontario | Bay City, MI | Alpena, MI | Ludington, MI | Muskegon, MI | Gary, IN | Chicago, IL | Milwaukee, WI | Green Bay, WI | Escanaba, MI | Sault Ste. Marie, MI | Marquette, MI | Houghton, MI | Ashland, WI | Duluth, MN | Two Harbors, MN | | | |
|--------------------------|------------------|----------------|-------------------|------------------|------------|---------------|------------------------|-------------|----------|--------------|---------------|--------------|---------------|------------|------------|-------------|----------------|------------------|----------------------|-------------------|--------------|------------|---------------|--------------|----------|-------------|---------------|---------------|--------------|----------------------|---------------|--------------|-------------|------------|-----------------|--|--|--|
| Thunder Bay, Ontario | 1217 | 1096 | 1034 | 903 | 1016 | 965 | 848 | 864 | 795 | 768 | 754 | 729 | 711 | 964 | 658 | 604 | 542 | 539 | 531 | 506 | 505 | 410 | 536 | 587 | 699 | 686 | 621 | 560 | 492 | 273 | 171 | 116 | 164 | 195 | 172 | | | |
| Two Harbors, MN | 1315 | 1194 | 1132 | 1001 | 1114 | 1063 | 946 | 963 | 893 | 866 | 852 | 828 | 809 | 792 | 756 | 702 | 640 | 638 | 630 | 604 | 603 | 508 | 634 | 685 | 797 | 785 | 720 | 659 | 590 | 371 | 239 | 157 | 71 | 26 | | | | |
| Duluth, MN | 1339 | 1218 | 1156 | 1025 | 1138 | 1087 | 970 | 986 | 917 | 890 | 876 | 851 | 833 | 816 | 781 | 726 | 664 | 661 | 653 | 628 | 627 | 532 | 657 | 709 | 820 | 808 | 743 | 682 | 614 | 394 | 261 | 179 | 96 | | | | | |
| Ashland, WI | 1293 | 1172 | 1110 | 979 | 1092 | 1041 | 924 | 941 | 871 | 844 | 830 | 806 | 788 | 771 | 734 | 680 | 618 | 616 | 606 | 583 | 581 | 486 | 612 | 663 | 775 | 763 | 698 | 637 | 568 | 349 | 213 | 131 | | | | | | |
| Houghton, MI | 1165 | 1044 | 982 | 851 | 964 | 913 | 796 | 813 | 743 | 716 | 702 | 678 | 659 | 643 | 606 | 552 | 490 | 488 | 480 | 455 | 453 | 358 | 484 | 535 | 647 | 635 | 570 | 509 | 440 | 221 | 84 | | | | | | | |
| Marquette, MI | 1104 | 983 | 921 | 790 | 903 | 852 | 735 | 751 | 682 | 655 | 641 | 616 | 598 | 571 | 545 | 491 | 429 | 426 | 418 | 393 | 391 | 297 | 422 | 474 | 585 | 573 | 508 | 447 | 378 | 159 | | | | | | | | |
| Sault Ste. Marie, MI (a) | 944 | 823 | 761 | 630 | 743 | 692 | 575 | 592 | 522 | 495 | 481 | 457 | 438 | 422 | 385 | 331 | 269 | 267 | 259 | 234 | 232 | 137 | 263 | 314 | 426 | 414 | 349 | 288 | 219 | | | | | | | | | |
| Escanaba, MI | 1051 | 930 | 868 | 737 | 850 | 799 | 682 | 699 | 629 | 602 | 588 | 564 | 545 | 526 | 492 | 438 | 376 | 384 | 376 | 340 | 339 | 244 | 130 | 181 | 288 | 274 | 201 | 101 | | | | | | | | | | |
| Green Bay, WI | 1120 | 999 | 937 | 806 | 919 | 868 | 751 | 767 | 696 | 671 | 657 | 632 | 614 | 597 | 561 | 507 | 445 | 452 | 444 | 409 | 407 | 313 | 123 | 171 | 272 | 255 | 180 | | | | | | | | | | | |
| Milwaukee, WI | 1181 | 1060 | 998 | 867 | 980 | 929 | 812 | 828 | 759 | 732 | 718 | 693 | 675 | 658 | 622 | 568 | 506 | 513 | 505 | 470 | 468 | 374 | 97 | 80 | 103 | 85 | | | | | | | | | | | | |
| Chicago, IL | 1246 | 1125 | 1063 | 932 | 1045 | 994 | 877 | 893 | 824 | 797 | 783 | 758 | 740 | 723 | 688 | 633 | 571 | 578 | 570 | 535 | 534 | 439 | 456 | 114 | 25 | | | | | | | | | | | | | |
| Gary, IN | 1258 | 1137 | 1075 | 944 | 1057 | 1006 | 889 | 905 | 836 | 809 | 795 | 770 | 752 | 735 | 699 | 645 | 583 | 590 | 582 | 547 | 546 | 451 | 167 | 121 | | | | | | | | | | | | | | |
| Muskegon, MI | 1146 | 1025 | 963 | 832 | 945 | 894 | 777 | 794 | 724 | 697 | 683 | 659 | 640 | 623 | 587 | 533 | 471 | 479 | 471 | 435 | 434 | 339 | 56 | | | | | | | | | | | | | | | |
| Ludington, MI | 1095 | 974 | 912 | 781 | 894 | 843 | 726 | 724 | 673 | 646 | 632 | 607 | 589 | 572 | 536 | 482 | 420 | 427 | 419 | 384 | 383 | 288 | | | | | | | | | | | | | | | | |
| Alpena, MI | 832 | 711 | 649 | 518 | 631 | 580 | 463 | 479 | 410 | 383 | 369 | 344 | 326 | 309 | 273 | 219 | 157 | 193 | 185 | 124 | 116 | | | | | | | | | | | | | | | | | |
| Bay City, MI | 837 | 716 | 654 | 523 | 638 | 585 | 466 | 484 | 415 | 388 | 374 | 349 | 331 | 314 | 278 | 224 | 162 | 265 | 257 | 137 | | | | | | | | | | | | | | | | | | |
| Goderich, Ontario | 740 | 619 | 557 | 426 | 539 | 488 | 371 | 387 | 318 | 291 | 277 | 252 | 234 | 217 | 181 | 127 | 65 | 211 | 207 | | | | | | | | | | | | | | | | | | | |
| Collingwood, Ontario | 933 | 821 | 750 | 619 | 732 | 681 | 564 | 580 | 511 | 484 | 470 | 446 | 427 | 410 | 374 | 320 | 258 | 55 | | | | | | | | | | | | | | | | | | | | |
| Midland, Ontario | 941 | 820 | 758 | 627 | 740 | 689 | 572 | 588 | 519 | 492 | 478 | 453 | 435 | 418 | 382 | 326 | 266 | | | | | | | | | | | | | | | | | | | | | |
| Port Huron, MI (b) | 675 | 554 | 492 | 361 | 474 | 423 | 306 | 322 | 253 | 226 | 213 | 188 | 170 | 152 | 116 | 62 | | | | | | | | | | | | | | | | | | | | | | |
| Detroit, MI (c) | 613 | 492 | 430 | 299 | 412 | 361 | 244 | 261 | 191 | 164 | 150 | 126 | 108 | 91 | 54 | | | | | | | | | | | | | | | | | | | | | | | |
| Toledo, OH | 606 | 485 | 423 | 292 | 405 | 354 | 237 | 254 | 185 | 157 | 144 | 119 | 96 | 72 | | | | | | | | | | | | | | | | | | | | | | | | |
| Lorain, OH | 549 | 428 | 366 | 235 | 348 | 297 | 180 | 197 | 124 | 95 | 80 | 53 | 28 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cleveland, OH | 529 | 408 | 346 | 215 | 326 | 277 | 160 | 176 | 102 | 73 | 59 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fairport, OH | 499 | 378 | 316 | 185 | 298 | 247 | 130 | 146 | 73 | 44 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ashtabula, OH | 473 | 352 | 290 | 159 | 272 | 221 | 104 | 119 | 45 | 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Conneaut, OH | 461 | 340 | 278 | 147 | 260 | 209 | 92 | 107 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Erie, PA | 434 | 313 | 251 | 120 | 233 | 182 | 65 | 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BUFFALO, NY | 391 | 270 | 208 | 77 | 190 | 139 | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Port Colborne, Ontario | 369 | 248 | 186 | 55 | 168 | 117 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rochester, NY | 271 | 149 | 89 | 95 | 59 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Oswego, NY | 232 | 108 | 55 | 145 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Toronto, Ontario | 342 | 223 | 161 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Kingston, Ontario | 185 | 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ogdensburg, NY | 123 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Distances are in statute miles

Measurements are by the shortest marked or safe direct courses, starting (unless otherwise noted) from the main entrance between pierheads of breakwaters or piers, or from the principal landings of open roadsteads. Where landings are appreciably remote from protected entrances, the distance from the main entrance to the landing may be ascertained from the harbor description or from nautical charts. Points in this table are arranged in the order of their location on the Great Lakes in the following sequence (top to bottom): Lake Superior, Lake Michigan, Lake Huron, Lake Erie, and Lake Ontario-St. Lawrence River.

(a) From abreast east end of US center pier

(b) From foot of Grand River Avenue

(c) From Woodward Avenue

(d) From St. Lambert Dock

Distances Between Points on Lake Ontario and St. Lawrence River

Table 22

| | Quebec City, Quebec | Montreal, Quebec | Cote St. Catherine Lock, Quebec | Beauharnois Lock, Quebec | Colquhoun Island, Ontario | Snell Lock, NY | Eisenhower Lock, NY | Iroquois Lock, Ontario | Ogdensburg, NY | Brockville, Ontario | Alexandria Bay, NY | Thousand Island Park, NY | Clayton, NY | Gananoque, Ontario | Kingston, Ontario | Picton, Ontario | Deseronto, Ontario | Belleville, Ontario | Trenton, Ontario | Cobourg, Ontario | Port Hope, Ontario | Toronto, Ontario | Hamilton, Ontario | Port Weller, NY | Lewiston, NY | Niagara-on-the-Lake, Ontario | Olcott, NY | Rochester, NY | Sodus Bay, NY | Little Sodus Bay, NY | Oswego, NY | Sackets Harbor, NY | Cape Vincent, NY | Port Colborne, Ontario | Port Huron, MI | |
|------------------------------------|---------------------|------------------|---------------------------------|--------------------------|---------------------------|----------------|---------------------|------------------------|----------------|---------------------|--------------------|--------------------------|-------------|--------------------|-------------------|-----------------|--------------------|---------------------|------------------|------------------|--------------------|------------------|-------------------|-----------------|--------------|------------------------------|------------|---------------|---------------|----------------------|------------|--------------------|------------------|------------------------|----------------|--|
| OLD MACKINAC POINT, MI (a) | 1084 | 922 | 914 | 892 | 848 | 841 | 837 | 812 | 799 | 787 | 766 | 760 | 755 | 758 | 739 | 726 | 713 | 69 | 688 | 653 | 648 | 608 | 610 | 580 | 598 | 592 | 608 | 670 | 698 | 712 | 721 | 745 | 740 | 553 | 247 | |
| PORT HURON, MI (b) | 837 | 675 | 667 | 645 | 601 | 594 | 590 | 565 | 552 | 540 | 519 | 513 | 508 | 511 | 492 | 479 | 466 | 45 | 441 | 406 | 401 | 361 | 363 | 333 | 351 | 356 | 361 | 423 | 451 | 465 | 474 | 498 | 493 | 306 | | |
| PORT COLBORNE, ONTARIO | 531 | 369 | 361 | 339 | 295 | 288 | 284 | 259 | 246 | 234 | 213 | 207 | 202 | 205 | 186 | 173 | 160 | 14 | 135 | 100 | 95 | 55 | 57 | 27 | 45 | 37 | 55 | 117 | 145 | 159 | 168 | 192 | 187 | | | |
| Cape Vincent, NY | 344 | 183 | 175 | 153 | 109 | 102 | 98 | 73 | 60 | 48 | 27 | 20 | 16 | 19 | 24 | 45 | 51 | 67 | 78 | 101 | 106 | 160 | 186 | 160 | 160 | 154 | 134 | 89 | 69 | 59 | 49 | 26 | | | | |
| Sackets Harbor, NY | 370 | 209 | 201 | 179 | 135 | 128 | 124 | 99 | 86 | 74 | 53 | 46 | 42 | 45 | 36 | 56 | 61 | 78 | 88 | 106 | 112 | 165 | 191 | 165 | 164 | 158 | 138 | 88 | 54 | 52 | 41 | | | | | |
| Oswego, NY | 391 | 232 | 224 | 202 | 158 | 151 | 147 | 122 | 108 | 97 | 76 | 69 | 65 | 68 | 55 | 66 | 71 | 88 | 82 | 91 | 96 | 145 | 166 | 141 | 139 | 133 | 113 | 59 | 29 | 15 | | | | | | |
| Little Sodus Bay, NY | 401 | 241 | 233 | 211 | 167 | 160 | 156 | 131 | 118 | 106 | 85 | 78 | 74 | 77 | 64 | 73 | 78 | 88 | 79 | 85 | 90 | 136 | 157 | 131 | 130 | 124 | 104 | 48 | 18 | | | | | | | |
| Sodus Bay, NY | 411 | 251 | 243 | 221 | 177 | 170 | 166 | 141 | 128 | 116 | 99 | 88 | 84 | 87 | 72 | 80 | 86 | 83 | 74 | 77 | 81 | 124 | 145 | 118 | 118 | 112 | 92 | 35 | | | | | | | | |
| Rochester, NY (Charlotte) | 432 | 271 | 263 | 241 | 197 | 190 | 186 | 161 | 149 | 136 | 115 | 108 | 104 | 107 | 90 | 98 | 89 | 73 | 64 | 57 | 60 | 96 | 117 | 89 | 89 | 83 | 63 | | | | | | | | | |
| Olcott, NY | 478 | 316 | 308 | 286 | 242 | 235 | 231 | 206 | 193 | 181 | 160 | 153 | 149 | 152 | 134 | 121 | 109 | 92 | 83 | 51 | 47 | 38 | 55 | 28 | 28 | 22 | | | | | | | | | | |
| Niagara-on-the-Lake, Ontario | 500 | 336 | 328 | 306 | 262 | 255 | 251 | 226 | 213 | 201 | 180 | 173 | 169 | 172 | 154 | 141 | 128 | 11 | 102 | 66 | 63 | 30 | 39 | 11 | 6 | | | | | | | | | | | |
| Lewiston, NY | 506 | 345 | 334 | 312 | 268 | 261 | 257 | 232 | 219 | 207 | 186 | 179 | 175 | 178 | 160 | 147 | 134 | 11 | 108 | 72 | 69 | 36 | 45 | 17 | | | | | | | | | | | | |
| Port Weller, NY | 504 | 342 | 334 | 312 | 268 | 261 | 257 | 232 | 219 | 207 | 186 | 179 | 175 | 178 | 159 | 146 | 133 | 11 | 107 | 72 | 68 | 28 | 30 | | | | | | | | | | | | | |
| Hamilton, Ontario | 530 | 367 | 359 | 337 | 293 | 286 | 282 | 257 | 244 | 232 | 211 | 205 | 200 | 204 | 185 | 169 | 156 | 14 | 131 | 94 | 88 | 30 | | | | | | | | | | | | | | |
| Toronto, Ontario | 506 | 342 | 334 | 312 | 268 | 261 | 257 | 232 | 219 | 207 | 186 | 180 | 175 | 179 | 160 | 142 | 129 | 11 | 103 | 65 | 60 | | | | | | | | | | | | | | | |
| Port Hope, Ontario | 449 | 289 | 281 | 259 | 215 | 208 | 204 | 179 | 166 | 154 | 132 | 126 | 121 | 125 | 106 | 85 | 72 | 56 | 47 | 7 | | | | | | | | | | | | | | | | |
| Cobourg, Ontario | 444 | 283 | 275 | 253 | 209 | 202 | 196 | 173 | 160 | 148 | 127 | 120 | 116 | 120 | 101 | 79 | 67 | 50 | 41 | | | | | | | | | | | | | | | | | |
| Trenton, Ontario | 417 | 255 | 247 | 225 | 181 | 174 | 170 | 145 | 132 | 120 | 101 | 94 | 90 | 89 | 71 | 40 | 28 | 11 | | | | | | | | | | | | | | | | | | |
| Belleville, Ontario | 406 | 244 | 236 | 214 | 170 | 163 | 159 | 134 | 121 | 109 | 90 | 84 | 80 | 78 | 60 | 29 | 17 | | | | | | | | | | | | | | | | | | | |
| Deseronto, Ontario | 390 | 228 | 220 | 198 | 154 | 147 | 143 | 118 | 105 | 93 | 74 | 68 | 63 | 62 | 44 | 13 | | | | | | | | | | | | | | | | | | | | |
| Picton, Ontario | 383 | 222 | 214 | 192 | 148 | 141 | 137 | 112 | 99 | 87 | 68 | 62 | 57 | 56 | 37 | | | | | | | | | | | | | | | | | | | | | |
| Kingston, Ontario | 346 | 185 | 177 | 155 | 111 | 104 | 100 | 75 | 62 | 50 | 32 | 25 | 21 | 19 | | | | | | | | | | | | | | | | | | | | | | |
| Gananoque, Ontario | 327 | 167 | 159 | 137 | 93 | 86 | 82 | 57 | 44 | 32 | 18 | 11 | 10 | | | | | | | | | | | | | | | | | | | | | | | |
| Clayton, NY | 327 | 167 | 159 | 137 | 93 | 86 | 82 | 57 | 44 | 32 | 11 | 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| Thousand Island Park, NY | 326 | 164 | 156 | 134 | 90 | 83 | 79 | 54 | 41 | 29 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Alexandria Bay, NY | 317 | 156 | 148 | 127 | 83 | 76 | 82 | 46 | 33 | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Brockville, Ontario | 295 | 135 | 127 | 105 | 61 | 54 | 50 | 25 | 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ogdensburg, NY | 283 | 123 | 115 | 93 | 49 | 42 | 38 | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Iroquois Lock, Ontario | 270 | 110 | 102 | 80 | 36 | 29 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Eisenhower Lock, NY | 245 | 85 | 77 | 55 | 11 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Snell Lock, NY | 241 | 81 | 73 | 51 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Colquhoun Island, Ontario | 233 | 74 | 66 | 44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Beauharnois Lock, Quebec | 190 | 30 | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Cote St. Catherine Lock, Quebec | 169 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Montreal, St. Lambert Lock, Quebec | 160 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Distances are in statute miles

(a) From sailing course point north of Old Mackinac Point
 (b) From foot of Grand River Avenue to Toronto west entrance

Distances Between Points on Lake Erie and the St. Clair, Detroit and Niagara Rivers

Table 23

| | Kingsville, Ontario | Rondeau, Ontario | Port Stanley, Ontario | Port Burwell, Ontario | Port Dover, Ontario | Port Maitland, Ontario | Niagara Falls, NY | Tonawanda, NY | Buffalo, NY | Dunkirk, NY | Erie, PA | Conneaut, OH | Ashtabula, OH | Fairport, OH | Cleveland, OH | Lorain, OH | Vermilion, OH | Huron, OH | Sandusky, OH | Put-in-Bay, OH | Port Clinton, OH | Toledo, OH | Monroe, MI | Detroit River Light, MI | Amherstburg, Ontario | Trenton, MI | Wyandotte, MI | Detroit, MI | Chatham, Ontario | Mount Clemons, MI | St. Clair Flats, MI/Ontario | Algonac, MI | Marine City, MI | St. Clair, MI | Port Huron, MI | Port Colborne, Ontario |
|---------------------------------|---------------------|------------------|-----------------------|-----------------------|---------------------|------------------------|-------------------|---------------|-------------|-------------|----------|--------------|---------------|--------------|---------------|------------|---------------|-----------|--------------|----------------|------------------|------------|------------|-------------------------|----------------------|-------------|---------------|-------------|------------------|-------------------|-----------------------------|-------------|-----------------|---------------|----------------|------------------------|
| OLD MACKINAC POINT, MI (a) | 358 | 414 | 459 | 475 | 527 | 538 | 588 | 580 | 569 | 539 | 500 | 473 | 460 | 435 | 417 | 399 | 391 | 387 | 380 | 363 | 369 | 363 | 348 | 334 | 326 | 324 | 320 | 309 | 322 | 296 | 286 | 274 | 266 | 259 | 247 | 553 |
| PORT COLBORNE, ONTARIO | 201 | 146 | 109 | 89 | 52 | 18 | 41 | 33 | 22 | 25 | 65 | 92 | 104 | 130 | 160 | 180 | 190 | 198 | 204 | 204 | 213 | 237 | 227 | 219 | 227 | 229 | 234 | 244 | 292 | 278 | 267 | 281 | 287 | 294 | 306 | |
| PORT HURON, MI (b) | 111 | 167 | 212 | 228 | 280 | 291 | 341 | 333 | 322 | 292 | 253 | 226 | 213 | 188 | 170 | 152 | 144 | 140 | 133 | 116 | 122 | 116 | 101 | 87 | 79 | 77 | 73 | 62 | 75 | 49 | 39 | 27 | 19 | 12 | | |
| St. Clair, MI | 99 | 155 | 200 | 216 | 268 | 279 | 330 | 322 | 311 | 281 | 241 | 214 | 201 | 176 | 158 | 141 | 133 | 129 | 122 | 105 | 111 | 105 | 89 | 75 | 67 | 65 | 61 | 50 | 63 | 37 | 27 | 15 | 7 | | | |
| Marine City, MI | 92 | 148 | 193 | 209 | 261 | 272 | 322 | 314 | 303 | 273 | 234 | 207 | 194 | 169 | 151 | 133 | 125 | 121 | 114 | 97 | 103 | 97 | 82 | 68 | 60 | 58 | 54 | 43 | 56 | 30 | 20 | 7 | | | | |
| Algonac, MI | 86 | 143 | 188 | 203 | 255 | 267 | 317 | 309 | 296 | 268 | 228 | 201 | 188 | 163 | 145 | 128 | 120 | 116 | 109 | 92 | 98 | 92 | 76 | 62 | 55 | 53 | 48 | 37 | 49 | 22 | 14 | | | | | |
| St. Clair Flats, MI/Ontario (c) | 72 | 129 | 174 | 189 | 241 | 253 | 303 | 295 | 284 | 254 | 215 | 187 | 174 | 149 | 131 | 114 | 106 | 102 | 95 | 78 | 84 | 78 | 62 | 48 | 41 | 39 | 34 | 23 | 35 | 15 | | | | | | |
| Mount Clemons, MI | 83 | 140 | 185 | 200 | 252 | 264 | 314 | 306 | 295 | 265 | 226 | 199 | 185 | 161 | 142 | 125 | 117 | 113 | 106 | 89 | 95 | 89 | 73 | 59 | 53 | 50 | 45 | 35 | 49 | | | | | | | |
| Chatham, Ontario | 97 | 154 | 199 | 214 | 265 | 278 | 328 | 320 | 309 | 279 | 239 | 212 | 198 | 174 | 156 | 139 | 130 | 127 | 120 | 102 | 108 | 102 | 87 | 73 | 66 | 63 | 59 | 48 | | | | | | | | |
| Detroit, MI (Woodward Avenue) | 49 | 106 | 151 | 166 | 217 | 230 | 280 | 272 | 261 | 231 | 191 | 164 | 150 | 126 | 108 | 91 | 82 | 79 | 72 | 54 | 60 | 54 | 39 | 25 | 18 | 15 | 11 | | | | | | | | | |
| Wyandotte, MI | 39 | 96 | 141 | 156 | 208 | 220 | 270 | 262 | 251 | 221 | 182 | 154 | 141 | 116 | 98 | 81 | 73 | 69 | 62 | 45 | 51 | 45 | 29 | 15 | 8 | 5 | | | | | | | | | | |
| Trenton, MI | 34 | 91 | 136 | 151 | 203 | 215 | 265 | 257 | 246 | 216 | 177 | 149 | 136 | 111 | 93 | 76 | 68 | 64 | 57 | 40 | 46 | 40 | 24 | 10 | 13 | | | | | | | | | | | |
| Amherstburg, Ontario | 31 | 88 | 133 | 148 | 200 | 212 | 262 | 254 | 243 | 213 | 173 | 146 | 133 | 108 | 90 | 73 | 64 | 61 | 54 | 36 | 42 | 36 | 21 | 7 | | | | | | | | | | | | |
| Detroit River Light, MI | 24 | 81 | 126 | 141 | 193 | 205 | 255 | 247 | 236 | 206 | 166 | 139 | 126 | 101 | 83 | 66 | 58 | 54 | 47 | 30 | 36 | 30 | 14 | | | | | | | | | | | | | |
| Monroe, MI (piers) | 33 | 89 | 134 | 149 | 200 | 213 | 263 | 255 | 244 | 214 | 174 | 147 | 133 | 109 | 89 | 68 | 60 | 5 | 48 | 30 | 35 | 21 | | | | | | | | | | | | | | |
| Toledo, OH | 45 | 98 | 143 | 159 | 210 | 223 | 272 | 265 | 254 | 224 | 185 | 157 | 144 | 119 | 96 | 72 | 65 | 59 | 52 | 38 | 40 | | | | | | | | | | | | | | | |
| Port Clinton, OH | 37 | 75 | 120 | 136 | 187 | 199 | 249 | 241 | 230 | 200 | 160 | 131 | 118 | 92 | 67 | 43 | 36 | 29 | 22 | 12 | | | | | | | | | | | | | | | | |
| Put-in-Bay, OH | 27 | 66 | 111 | 127 | 177 | 190 | 240 | 232 | 221 | 190 | 150 | 122 | 109 | 83 | 51 | 38 | 32 | 27 | 21 | | | | | | | | | | | | | | | | | |
| Sandusky, OH | 41 | 69 | 114 | 130 | 178 | 190 | 239 | 232 | 221 | 189 | 149 | 120 | 107 | 79 | 55 | 29 | 21 | 14 | | | | | | | | | | | | | | | | | | |
| Huron, OH | 47 | 68 | 111 | 124 | 172 | 184 | 233 | 226 | 215 | 183 | 142 | 113 | 99 | 72 | 47 | 20 | 11 | | | | | | | | | | | | | | | | | | | |
| Vermilion, OH | 46 | 62 | 104 | 117 | 163 | 175 | 225 | 217 | 206 | 174 | 133 | 104 | 90 | 63 | 37 | 11 | | | | | | | | | | | | | | | | | | | | |
| Lorain, OH | 48 | 57 | 97 | 109 | 154 | 166 | 215 | 208 | 197 | 164 | 124 | 95 | 80 | 53 | 28 | | | | | | | | | | | | | | | | | | | | | |
| Cleveland, OH | 65 | 53 | 85 | 93 | 134 | 146 | 194 | 187 | 176 | 143 | 102 | 73 | 59 | 33 | | | | | | | | | | | | | | | | | | | | | | |
| Fairport, OH | 83 | 48 | 62 | 66 | 104 | 116 | 165 | 157 | 146 | 114 | 73 | 44 | 30 | | | | | | | | | | | | | | | | | | | | | | | |
| Ashtabula, OH | 108 | 63 | 56 | 47 | 79 | 90 | 138 | 130 | 119 | 86 | 45 | 15 | | | | | | | | | | | | | | | | | | | | | | | | |
| Conneaut, OH | 122 | 74 | 59 | 48 | 68 | 80 | 126 | 118 | 107 | 74 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Erie, PA | 149 | 98 | 70 | 53 | 47 | 54 | 98 | 89 | 78 | 45 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dunkirk, NY | 188 | 134 | 98 | 78 | 50 | 28 | 55 | 48 | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Buffalo, NY | 218 | 163 | 126 | 106 | 72 | 38 | 21 | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Tonawanda, NY | 230 | 174 | 137 | 117 | 83 | 49 | 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Niagara Falls, NY | 237 | 182 | 145 | 125 | 90 | 57 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Port Maitland, Ontario | 187 | 132 | 95 | 75 | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Port Dover, Ontario | 175 | 120 | 83 | 62 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Port Burwell, Ontario | 123 | 65 | 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Port Stanley, Ontario | 108 | 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rondeau, Ontario | 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Distances are in statute miles

Points in this table are arranged in geographical sequence proceeding southward in St. Clair River/Lake, Detroit River, thence eastward along the south shore of Lake Erie to Niagara River, and returning westward along the north lake shore.

(a) From sailing point north of Old Mackinac Point

(b) From foot of Grand River Avenue

(c) From south end of canal dike

Distances Between Points on Lake Huron and St. Marys River

Table 24

| | Thessalon, Ontario | Algoma Mills, Ontario | Gore Bay, Ontario | Little Current, Ontario | French River, Ontario | Key Harbor, Ontario | Byng Inlet, Ontario | Parry Sound, Ontario | Depot Harbor, Ontario | Port McNicoll, Ontario | Midland, Ontario | Penetanguishene, Ontario | Collingwood, Ontario | Meaford, Ontario | Owen Sound, Ontario | Warton, Ontario | Southampton, Ontario | Kincardine, Ontario | Goderich, Ontario | Port Sanilac, MI | Harbor Beach, MI | Saginaw, MI | Bay City, MI | East Tawas, MI | Au Sable, MI | Alpena, MI | Rockport, MI | Stoneport, MI | Rogers City, MI | Cheboygan, MI | Mackinac Island, MI | St. Ignace, MI | Port Dolomite, MI | De Tour, MI | SAULT STE. MARIE, MI | OLD MACKINAC POINT, MI |
|----------------------------|--------------------|-----------------------|-------------------|-------------------------|-----------------------|---------------------|---------------------|----------------------|-----------------------|------------------------|------------------|--------------------------|----------------------|------------------|---------------------|-----------------|----------------------|---------------------|-------------------|------------------|------------------|-------------|--------------|----------------|--------------|------------|--------------|---------------|-----------------|---------------|---------------------|----------------|-------------------|-------------|----------------------|------------------------|
| PORT HURON, MI (a) | 238 | 238 | 250 | 225 | 224 | 232 | 229 | 247 | 243 | 267 | 266 | 265 | 258 | 241 | 238 | 228 | 121 | 94 | 65 | 33 | 63 | 175 | 162 | 119 | 117 | 157 | 166 | 182 | 194 | 233 | 243 | 247 | 239 | 224 | 269 | 247 |
| OLD MACKINAC POINT, MI (b) | 69 | 101 | 116 | 143 | 196 | 205 | 211 | 235 | 231 | 256 | 255 | 254 | 247 | 230 | 227 | 217 | 189 | 182 | 211 | 215 | 186 | 223 | 210 | 163 | 142 | 115 | 83 | 78 | 54 | 18 | 7 | 6 | 27 | 45 | 90 | |
| SAULT STE. MARIE, MI (c) | 48 | 88 | 108 | 131 | 184 | 193 | 201 | 242 | 238 | 268 | 267 | 266 | 259 | 242 | 239 | 229 | 207 | 213 | 234 | 238 | 208 | 246 | 232 | 185 | 165 | 137 | 107 | 96 | 84 | 84 | 84 | 90 | 68 | 45 | | |
| DeTour, MI | 24 | 58 | 76 | 101 | 154 | 163 | 171 | 201 | 198 | 224 | 222 | 221 | 214 | 197 | 194 | 185 | 162 | 168 | 189 | 193 | 164 | 201 | 187 | 140 | 120 | 92 | 61 | 51 | 40 | 39 | 39 | 44 | 23 | | | |
| Port Dolomite, MI | 92 | 90 | 108 | 135 | 197 | 199 | 198 | 218 | 215 | 243 | 241 | 238 | 233 | 220 | 219 | 207 | 176 | 183 | 203 | 218 | 190 | 219 | 206 | 163 | 143 | 113 | 76 | 70 | 47 | 31 | 26 | 28 | | | | |
| St. Ignace, MI | 68 | 100 | 115 | 142 | 195 | 204 | 209 | 234 | 231 | 256 | 254 | 252 | 246 | 229 | 227 | 217 | 191 | 194 | 214 | 216 | 187 | 224 | 210 | 163 | 143 | 115 | 83 | 82 | 55 | 20 | 8 | | | | | |
| Mackinac Island, MI | 63 | 95 | 110 | 137 | 190 | 199 | 204 | 229 | 226 | 251 | 249 | 248 | 241 | 224 | 221 | 212 | 186 | 189 | 209 | 212 | 184 | 220 | 207 | 159 | 140 | 111 | 79 | 77 | 50 | 17 | | | | | | |
| Cheboygan, MI | 63 | 92 | 106 | 133 | 186 | 195 | 197 | 221 | 217 | 242 | 241 | 240 | 233 | 216 | 213 | 204 | 175 | 178 | 198 | 202 | 173 | 210 | 196 | 149 | 129 | 101 | 69 | 66 | 40 | | | | | | | |
| Rogers City, MI | 63 | 74 | 87 | 114 | 157 | 163 | 164 | 187 | 183 | 208 | 206 | 206 | 199 | 182 | 177 | 169 | 139 | 142 | 161 | 163 | 134 | 171 | 157 | 110 | 90 | 61 | 31 | 27 | | | | | | | | |
| Stoneport, MI | 75 | 73 | 92 | 118 | 145 | 147 | 147 | 166 | 163 | 190 | 189 | 186 | 181 | 164 | 163 | 151 | 115 | 120 | 146 | 158 | 130 | 154 | 141 | 97 | 76 | 48 | 9 | | | | | | | | | |
| Rockport, MI | 79 | 79 | 92 | 119 | 136 | 143 | 143 | 166 | 162 | 187 | 186 | 185 | 178 | 161 | 158 | 148 | 112 | 113 | 132 | 134 | 106 | 142 | 129 | 82 | 62 | 31 | | | | | | | | | | |
| Alpena, MI | 107 | 107 | 120 | 143 | 145 | 151 | 152 | 174 | 171 | 195 | 193 | 192 | 185 | 168 | 165 | 156 | 109 | 107 | 124 | 125 | 97 | 129 | 116 | 69 | 49 | | | | | | | | | | | |
| Au Sable, MI | 135 | 135 | 148 | 158 | 160 | 163 | 166 | 183 | 180 | 204 | 202 | 201 | 189 | 177 | 174 | 165 | 98 | 85 | 93 | 86 | 58 | 83 | 69 | 21 | | | | | | | | | | | | |
| East Tawas, MI | 155 | 155 | 168 | 175 | 176 | 180 | 182 | 199 | 196 | 220 | 218 | 217 | 210 | 194 | 190 | 181 | 110 | 94 | 95 | 88 | 60 | 68 | 54 | | | | | | | | | | | | | |
| Bay City, MI | 202 | 202 | 215 | 222 | 223 | 228 | 229 | 245 | 243 | 267 | 265 | 264 | 257 | 240 | 237 | 226 | 153 | 136 | 137 | 130 | 102 | 13 | | | | | | | | | | | | | | |
| Saginaw, MI | 216 | 216 | 228 | 235 | 237 | 242 | 242 | 258 | 256 | 280 | 278 | 278 | 271 | 254 | 250 | 241 | 167 | 149 | 151 | 144 | 115 | | | | | | | | | | | | | | | |
| Harbor Beach, MI | 178 | 178 | 191 | 171 | 171 | 176 | 176 | 194 | 190 | 214 | 213 | 212 | 205 | 188 | 185 | 175 | 79 | 56 | 47 | 32 | | | | | | | | | | | | | | | | |
| Port Sanilac, MI | 207 | 207 | 219 | 197 | 196 | 201 | 201 | 219 | 215 | 239 | 238 | 237 | 230 | 213 | 210 | 200 | 97 | 70 | 47 | | | | | | | | | | | | | | | | | |
| Goderich, Ontario | 195 | 196 | 204 | 169 | 172 | 172 | 174 | 192 | 189 | 213 | 211 | 210 | 207 | 187 | 183 | 174 | 64 | 36 | | | | | | | | | | | | | | | | | | |
| Kincardine, Ontario | 173 | 174 | 174 | 141 | 142 | 149 | 144 | 162 | 158 | 182 | 181 | 180 | 176 | 156 | 153 | 144 | 30 | | | | | | | | | | | | | | | | | | | |
| Southampton, Ontario | 166 | 166 | 155 | 122 | 123 | 130 | 125 | 143 | 140 | 163 | 162 | 161 | 157 | 137 | 134 | 125 | | | | | | | | | | | | | | | | | | | | |
| Warton, Ontario (d) | 188 | 158 | 142 | 110 | 88 | 79 | 81 | 74 | 71 | 76 | 74 | 73 | 53 | 36 | 29 | | | | | | | | | | | | | | | | | | | | | |
| Owen Sound, Ontario (d) | 197 | 167 | 152 | 119 | 97 | 97 | 89 | 79 | 75 | 71 | 70 | 69 | 46 | 29 | | | | | | | | | | | | | | | | | | | | | | |
| Meaford, Ontario (d) | 200 | 169 | 153 | 121 | 96 | 96 | 86 | 71 | 68 | 55 | 53 | 52 | 24 | | | | | | | | | | | | | | | | | | | | | | | |
| Collingwood, Ontario (d) | 217 | 186 | 171 | 138 | 108 | 107 | 97 | 80 | 76 | 57 | 55 | 54 | | | | | | | | | | | | | | | | | | | | | | | | |
| Penetanguishene, Ontario | 224 | 187 | 172 | 139 | 106 | 104 | 94 | 72 | 69 | 12 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Midland, Ontario (d) | 225 | 186 | 173 | 140 | 107 | 105 | 95 | 73 | 70 | 7 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Port McNicoll, Ontario (d) | 227 | 190 | 174 | 142 | 106 | 106 | 97 | 75 | 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Depot Harbor, Ontario (d) | 193 | 155 | 140 | 107 | 73 | 71 | 62 | 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Parry Sound, Ontario (d) | 197 | 159 | 143 | 111 | 77 | 75 | 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Byng Inlet, Ontario (d) | 155 | 118 | 102 | 70 | 31 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Key Harbor, Ontario (d) | 148 | 110 | 94 | 62 | 22 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| French River, Ontario (d) | 139 | 101 | 86 | 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Little Current, Ontario | 86 | 48 | 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Gore Bay, Ontario | 61 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Algoma Mills, Ontario | 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Distances are in statute miles

Points in this table are arranged in geographical sequence proceeding from St. Marys River southward along the west shore, and returning northward up the east shore, around Georgian Bay, and westward through North Channel.

(a) From foot of Grand River Avenue

(b) From sailing course point north of Old Mackinac Point

(c) From abreast east end of U.S. center pier and (except those colored ●) via Middle Neebish and DeTour; distances downbound through West Neebish are 1 mile less

(d) Distances to Georgian Bay ports (except those colored ● ● ● ● ●) are via the bay entrance from Lake Huron and St. Marys River points and via Little Current from North Channel points

● Via False Detour and North Channels

● Via Mississagi Straight and North Channel

● Via Lake Nicolet, St. Joseph and North Channels

● Via Potagannissing Bay and North Channel

Distances Between Points on Lake Michigan

Table 25

| | Beaver Island Harbor, MI | Petoskey, MI | Charlevoix, MI | Traverse City, MI | Frankfort, MI | Portage Lake, MI | Manistee, MI | Ludington, MI | Pentwater, MI | White Lake, MI | Muskegon, MI | Grand Haven, MI | Holland, MI | Saugatuck, MI | South Haven, MI | St. Joseph, MI | Michigan City, IN | Gary, IN | Indiana Harbor, IN | South Chicago, IL | Chicago, IL | Waukegan, IL | Kenosha, WI | Racine, WI | Milwaukee, WI | Port Washington, WI | Sheboygan, WI | Manitowoc, WI | Kewaunee, WI | Algoma, WI | Sturgeon Bay, WI | Green Bay, WI | Menominee, MI | Escanaba, MI | Manistique, MI | Port Inland, MI |
|-----------------------------------|--------------------------|--------------|----------------|-------------------|---------------|------------------|--------------|---------------|---------------|----------------|--------------|-----------------|-------------|---------------|-----------------|----------------|-------------------|----------|--------------------|-------------------|-------------|--------------|-------------|------------|---------------|---------------------|---------------|---------------|--------------|------------|------------------|---------------|---------------|--------------|----------------|-----------------|
| OLD MACKINAC POINT, MI (a) | 41 | 55 | 56 | 97 | 122 | 142 | 150 | 173 | 184 | 213 | 224 | 238 | 257 | 263 | 261 | 300 | 325 | 336 | 334 | 333 | 324 | 296 | 282 | 272 | 259 | 237 | 212 | 191 | 170 | 161 | 155 | 198 | 155 | 129 | 75 | 59 |
| Port Inland, MI | 31 | 66 | 55 | 88 | 96 | 116 | 123 | 146 | 157 | 186 | 197 | 211 | 229 | 235 | 253 | 271 | 298 | 314 | 308 | 304 | 298 | 270 | 254 | 245 | 226 | 204 | 179 | 161 | 131 | 124 | 110 | 149 | 104 | 78 | 23 | |
| Manistique, MI | 43 | 76 | 64 | 94 | 91 | 110 | 118 | 141 | 152 | 182 | 193 | 207 | 225 | 232 | 250 | 268 | 294 | 303 | 301 | 298 | 290 | 260 | 244 | 235 | 220 | 195 | 168 | 146 | 120 | 111 | 103 | 135 | 92 | 66 | | |
| Escanaba, MI | 99 | 113 | 99 | 120 | 91 | 106 | 112 | 130 | 141 | 170 | 181 | 195 | 213 | 220 | 238 | 255 | 280 | 288 | 286 | 283 | 274 | 242 | 226 | 217 | 201 | 176 | 149 | 127 | 100 | 90 | 69 | 101 | 55 | | | |
| Menominee, MI (b) | 122 | 134 | 119 | 138 | 80 | 86 | 87 | 96 | 108 | 135 | 146 | 159 | 177 | 183 | 200 | 216 | 239 | 246 | 243 | 240 | 230 | 198 | 184 | 172 | 155 | 130 | 103 | 81 | 52 | 43 | 22 | 49 | | | | |
| Green Bay, WI | 165 | 176 | 160 | 178 | 105 | 111 | 112 | 123 | 134 | 159 | 171 | 184 | 202 | 209 | 225 | 242 | 264 | 272 | 268 | 265 | 255 | 223 | 209 | 197 | 180 | 155 | 128 | 106 | 78 | 68 | 47 | | | | | |
| Sturgeon Bay, WI | 123 | 129 | 113 | 131 | 58 | 64 | 65 | 76 | 87 | 113 | 124 | 137 | 155 | 162 | 178 | 195 | 217 | 225 | 222 | 218 | 208 | 176 | 162 | 150 | 133 | 108 | 81 | 58 | 30 | 21 | | | | | | |
| Algoma, WI | 131 | 135 | 119 | 136 | 59 | 60 | 59 | 66 | 75 | 100 | 111 | 123 | 142 | 146 | 163 | 179 | 200 | 206 | 203 | 200 | 190 | 158 | 142 | 132 | 115 | 89 | 62 | 40 | 12 | | | | | | | |
| Kewaunee, WI | 138 | 143 | 126 | 143 | 62 | 60 | 58 | 61 | 70 | 93 | 104 | 116 | 135 | 141 | 156 | 171 | 192 | 197 | 194 | 191 | 181 | 149 | 133 | 123 | 105 | 79 | 53 | 31 | | | | | | | | |
| Manitowoc, WI | 161 | 163 | 147 | 164 | 79 | 71 | 66 | 60 | 64 | 79 | 90 | 102 | 118 | 123 | 137 | 150 | 169 | 173 | 169 | 166 | 156 | 123 | 107 | 97 | 79 | 53 | 26 | | | | | | | | | |
| Sheboygan, WI | 180 | 181 | 165 | 182 | 95 | 83 | 76 | 60 | 63 | 68 | 78 | 87 | 102 | 106 | 118 | 130 | 146 | 149 | 146 | 143 | 132 | 99 | 83 | 74 | 55 | 29 | | | | | | | | | | |
| Port Washington, WI | 206 | 205 | 189 | 206 | 119 | 104 | 98 | 80 | 76 | 72 | 77 | 84 | 94 | 97 | 105 | 112 | 124 | 125 | 121 | 118 | 107 | 74 | 58 | 48 | 29 | | | | | | | | | | | |
| Milwaukee, WI | 228 | 227 | 211 | 228 | 140 | 125 | 117 | 97 | 91 | 78 | 80 | 83 | 88 | 89 | 93 | 96 | 104 | 103 | 99 | 96 | 85 | 51 | 35 | 26 | | | | | | | | | | | | |
| Racine, WI | 242 | 241 | 225 | 242 | 153 | 137 | 129 | 108 | 100 | 81 | 80 | 80 | 79 | 80 | 80 | 78 | 84 | 83 | 78 | 75 | 64 | 30 | 14 | | | | | | | | | | | | | |
| Kenosha, WI | 252 | 251 | 234 | 252 | 163 | 147 | 138 | 117 | 108 | 86 | 87 | 86 | 82 | 82 | 79 | 75 | 76 | 73 | 67 | 64 | 54 | 18 | | | | | | | | | | | | | | |
| Waukegan, IL | 266 | 265 | 249 | 266 | 177 | 160 | 152 | 130 | 122 | 100 | 96 | 93 | 86 | 84 | 78 | 70 | 64 | 58 | 52 | 49 | 38 | | | | | | | | | | | | | | | |
| Chicago, IL | 294 | 293 | 276 | 293 | 204 | 186 | 179 | 156 | 146 | 120 | 114 | 108 | 95 | 90 | 77 | 60 | 38 | 25 | 19 | 15 | | | | | | | | | | | | | | | | |
| South Chicago, IL | 302 | 301 | 285 | 302 | 213 | 196 | 188 | 165 | 154 | 127 | 120 | 114 | 100 | 95 | 79 | 60 | 33 | 14 | 7 | | | | | | | | | | | | | | | | | |
| Indiana Harbor, IN | 304 | 303 | 287 | 304 | 215 | 198 | 189 | 167 | 156 | 129 | 122 | 115 | 99 | 95 | 79 | 59 | 31 | 13 | | | | | | | | | | | | | | | | | | |
| Gary, IN | 309 | 308 | 292 | 309 | 216 | 199 | 191 | 167 | 157 | 129 | 121 | 114 | 99 | 93 | 77 | 55 | 22 | | | | | | | | | | | | | | | | | | | |
| Michigan City, IN | 295 | 294 | 278 | 295 | 206 | 189 | 181 | 157 | 146 | 117 | 108 | 99 | 82 | 75 | 57 | 36 | | | | | | | | | | | | | | | | | | | | |
| St. Joseph, MI | 269 | 268 | 251 | 268 | 179 | 162 | 154 | 130 | 119 | 88 | 78 | 69 | 50 | 44 | 24 | | | | | | | | | | | | | | | | | | | | | |
| South Haven, MI | 251 | 250 | 233 | 250 | 161 | 144 | 136 | 111 | 101 | 39 | 58 | 49 | 29 | 22 | | | | | | | | | | | | | | | | | | | | | | |
| Saugatuck, MI | 232 | 231 | 215 | 232 | 143 | 126 | 118 | 93 | 83 | 51 | 40 | 29 | 8 | | | | | | | | | | | | | | | | | | | | | | | |
| Holland, MI | 227 | 226 | 210 | 227 | 137 | 120 | 112 | 88 | 77 | 45 | 34 | 23 | | | | | | | | | | | | | | | | | | | | | | | | |
| Grand Haven, MI | 206 | 205 | 189 | 206 | 117 | 100 | 92 | 67 | 57 | 25 | 13 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Muskegon, MI | 195 | 194 | 178 | 195 | 106 | 89 | 80 | 56 | 46 | 13 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| White Lake, MI | 184 | 183 | 167 | 184 | 95 | 78 | 69 | 45 | 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Pentwater, MI | 154 | 153 | 137 | 154 | 65 | 48 | 39 | 14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Ludington, MI | 143 | 142 | 126 | 143 | 54 | 37 | 26 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Manistee, MI | 118 | 117 | 100 | 118 | 28 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Portage Lake, MI | 110 | 109 | 93 | 110 | 20 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Frankfort, MI | 93 | 92 | 75 | 92 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Traverse City, MI | 69 | 58 | 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Charlevoix, MI | 33 | 18 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Petoskey, MI | 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Distances are in statute miles

Points in this table are arranged in geographical sequence proceeding southward along the west shore and returning northward along the east shore

(a) From sailing course point north of Old Mackinac Point

(b) Distances from Menominee and Green Bay to Lake Michigan points (except those marked with *) are via Sturgeon Bay Canal

● Via Rock Island Passage

Distances Between Points on Lake Superior

Table 26

| | Gargantua Harbor, Ontario | Michipicoten, Ontario | Quebec Harbor, Ontario | Peninsula Harbor, Ontario | Rosspport, Ontario | Thunder Bay, Ontario | Passage Island, MI | Rock of Ages, MI | Grand Marais, MN | Taconite, MN | Silver Bay, MN | Two Harbors, MN | Duluth, MN | Superior, WI | Port Wing, WI | Bayfield, WI | Ashland, WI | Ontonagon, MI | Keweenaw, MI (upper entry) | Houghton, MI | Dollar Bay, MI | Lake Linden, MI | Chassell, MI | Portage Entry, MI | Eagle Harbor, MI | Copper Harbor, MI | Mendota Canal, MI | L'Anse, MI | Huron Bay, MI | Marquette, MI | Munising, MI | Grand Marais, MI | Whitefish Point, MI | Sault Ste. Marie, MI | OLD MACKINAC POINT, MI | |
|----------------------------|---------------------------|-----------------------|------------------------|---------------------------|--------------------|----------------------|--------------------|------------------|------------------|--------------|----------------|-----------------|------------|--------------|---------------|--------------|-------------|---------------|----------------------------|--------------|----------------|-----------------|--------------|-------------------|------------------|-------------------|-------------------|------------|---------------|---------------|--------------|------------------|---------------------|----------------------|------------------------|--|
| PORT HURON, MI (a) | 360 | 391 | 385 | 465 | 503 | 542 | 498 | 532 | 574 | 603 | 621 | 640 | 664 | 662 | 633 | 606 | 618 | 544 | 501 | 490 | 487 | 493 | 485 | 476 | 473 | 458 | 458 | 486 | 473 | 429 | 400 | 361 | 311 | 269 | 247 | |
| OLD MACKINAC POINT, MI (b) | 181 | 212 | 206 | 285 | 324 | 363 | 319 | 353 | 395 | 426 | 444 | 461 | 485 | 483 | 454 | 426 | 439 | 365 | 322 | 311 | 308 | 314 | 306 | 297 | 294 | 279 | 279 | 307 | 294 | 249 | 221 | 182 | 134 | 90 | | |
| Sault Ste. Marie, MI (c) | 91 | 121 | 116 | 195 | 234 | 273 | 229 | 263 | 305 | 334 | 352 | 371 | 394 | 393 | 364 | 336 | 349 | 274 | 232 | 221 | 218 | 224 | 215 | 207 | 204 | 189 | 189 | 217 | 204 | 159 | 131 | 92 | 42 | | | |
| Whitefish Point, MI | 54 | 83 | 74 | 153 | 192 | 231 | 187 | 221 | 263 | 292 | 310 | 329 | 352 | 351 | 322 | 294 | 307 | 323 | 190 | 179 | 176 | 182 | 173 | 165 | 162 | 147 | 147 | 175 | 162 | 117 | 89 | 50 | | | | |
| Grand Marais, MI | 78 | 102 | 70 | 144 | 171 | 198 | 154 | 182 | 224 | 255 | 270 | 289 | 312 | 310 | 282 | 252 | 264 | 187 | 143 | 133 | 130 | 135 | 127 | 119 | 123 | 108 | 105 | 129 | 114 | 68 | 40 | | | | | |
| Munising, MI | 112 | 136 | 97 | 162 | 179 | 193 | 150 | 174 | 212 | 145 | 260 | 271 | 293 | 291 | 263 | 233 | 245 | 168 | 124 | 114 | 111 | 116 | 108 | 99 | 113 | 100 | 93 | 110 | 93 | 42 | | | | | | |
| Marquette, MI | 135 | 154 | 112 | 160 | 164 | 171 | 128 | 149 | 181 | 228 | 239 | 239 | 261 | 260 | 231 | 201 | 213 | 136 | 93 | 84 | 81 | 84 | 76 | 68 | 91 | 76 | 67 | 78 | 62 | | | | | | | |
| Huron Bay, MI | 165 | 179 | 132 | 159 | 152 | 157 | 113 | 110 | 142 | 156 | 181 | 201 | 223 | 222 | 193 | 163 | 175 | 98 | 54 | 44 | 41 | 46 | 38 | 30 | 74 | 60 | 44 | 39 | | | | | | | | |
| L'Anse, MI | 179 | 192 | 146 | 169 | 162 | 145 | 108 | 95 | 127 | 151 | 168 | 186 | 208 | 206 | 178 | 148 | 160 | 83 | 39 | 29 | 26 | 31 | 23 | 14 | 70 | 71 | 51 | | | | | | | | | |
| Mendota Canal, MI | 138 | 152 | 105 | 125 | 117 | 122 | 78 | 103 | 145 | 172 | 190 | 212 | 234 | 232 | 204 | 174 | 186 | 110 | 69 | 55 | 52 | 58 | 50 | 41 | 42 | 27 | | | | | | | | | | |
| Copper Harbor, MI | 137 | 145 | 100 | 112 | 99 | 100 | 56 | 77 | 119 | 142 | 161 | 185 | 208 | 206 | 178 | 150 | 163 | 88 | 45 | 56 | 59 | 71 | 65 | 60 | 16 | | | | | | | | | | | |
| Eagle Harbor, MI | 151 | 159 | 114 | 122 | 102 | 96 | 53 | 65 | 105 | 129 | 146 | 170 | 194 | 192 | 163 | 135 | 147 | 72 | 31 | 41 | 45 | 57 | 50 | 56 | | | | | | | | | | | | |
| Portage Entry, MI | 168 | 181 | 135 | 157 | 149 | 130 | 94 | 81 | 113 | 136 | 153 | 171 | 193 | 192 | 163 | 133 | 145 | 68 | 25 | 14 | 11 | 17 | 9 | | | | | | | | | | | | | |
| Chassell, MI | 177 | 190 | 143 | 166 | 145 | 125 | 89 | 76 | 108 | 128 | 146 | 166 | 188 | 187 | 158 | 128 | 140 | 63 | 20 | 9 | 6 | 12 | | | | | | | | | | | | | | |
| Lake Linden, MI | 185 | 198 | 115 | 174 | 151 | 131 | 95 | 82 | 113 | 136 | 153 | 172 | 194 | 193 | 163 | 134 | 146 | 69 | 26 | 15 | 11 | | | | | | | | | | | | | | | |
| Dollar Bay, MI | 180 | 192 | 146 | 163 | 139 | 119 | 83 | 70 | 102 | 122 | 140 | 160 | 182 | 181 | 152 | 122 | 134 | 57 | 14 | 3 | | | | | | | | | | | | | | | | |
| Houghton, MI | 182 | 195 | 146 | 160 | 136 | 116 | 80 | 67 | 99 | 118 | 135 | 157 | 179 | 178 | 149 | 119 | 131 | 54 | 11 | | | | | | | | | | | | | | | | | |
| Keweenaw, MI (upper entry) | 180 | 187 | 142 | 149 | 126 | 105 | 69 | 56 | 88 | 108 | 125 | 147 | 168 | 167 | 139 | 109 | 120 | 44 | | | | | | | | | | | | | | | | | | |
| Ontonagon, MI | 221 | 228 | 183 | 189 | 165 | 117 | 103 | 68 | 76 | 86 | 95 | 114 | 136 | 135 | 106 | 74 | 82 | | | | | | | | | | | | | | | | | | | |
| Ashland, WI | 295 | 304 | 258 | 261 | 227 | 164 | 165 | 115 | 85 | 77 | 62 | 71 | 93 | 92 | 63 | 16 | | | | | | | | | | | | | | | | | | | | |
| Bayfield, WI | 282 | 291 | 246 | 254 | 221 | 149 | 152 | 99 | 70 | 60 | 45 | 57 | 78 | 77 | 49 | | | | | | | | | | | | | | | | | | | | | |
| Port Wing, WI | 312 | 319 | 275 | 272 | 233 | 169 | 175 | 121 | 83 | 56 | 35 | 22 | 34 | 32 | | | | | | | | | | | | | | | | | | | | | | |
| Superior, WI | 340 | 347 | 303 | 300 | 259 | 195 | 199 | 147 | 107 | 78 | 54 | 28 | 7 | | | | | | | | | | | | | | | | | | | | | | | |
| Duluth, MN | 342 | 349 | 305 | 300 | 259 | 195 | 200 | 147 | 105 | 77 | 53 | 26 | | | | | | | | | | | | | | | | | | | | | | | | |
| Two Harbors, MN | 319 | 327 | 281 | 277 | 236 | 172 | 177 | 124 | 82 | 55 | 27 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Silver Bay, MN | 300 | 302 | 2260 | 250 | 210 | 145 | 156 | 100 | 55 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Taconite, MN | 280 | 283 | 240 | 227 | 190 | 130 | 136 | 78 | 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Grand Marais, MN | 252 | 256 | 214 | 199 | 157 | 92 | 99 | 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rock of Ages, MI | 209 | 213 | 171 | 155 | 112 | 49 | 53 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Passage Island, MI | 164 | 166 | 127 | 102 | 63 | 44 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Thunder Bay, Ontario (d) | 208 | 209 | 171 | 142 | 102 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Rosspport, Ontario | 157 | 155 | 125 | 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Peninsula Harbor, Ontario | 114 | 112 | 86 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Quebec Harbor, Ontario | 41 | 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Michipicoten, Ontario | 32 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Distances are in statute miles

Points in this table are arranged in geographical sequence proceeding westward along the south shore and returning eastward around the north shore

- (a) From foot of Grand River Avenue
- (b) From sailing course point north of Old Mackinac Point
- (c) From abeam of east end of United States center pier
- (d) Old Port Arthur
- Via Keweenaw Waterway

Pacific Distances

Pacific Coast Distances

Table 27

| | Midway Island | Port Allen, HI | Nawiliwili, HI | Pearl Harbor, HI | Honolulu, HI | Kahalui, HI | Kawaihae, HI | Hilo, HI | Kuluk Bay, AK | Unimak Pass, AK | Kodiak, AK | Anchorage, AK | Seward, AK | Port Valdez, AK | CAPE SPENCER, AK | Sitka, AK | Ketchikan, AK | Seattle, WA | Swiftsure Bank, WA | CAPE FLATTERY, WA | Portland, OR | Astoria, OR | San Francisco, CA | Los Angeles, CA | Long Beach, CA | San Diego, CA |
|---|---------------|----------------|----------------|------------------|--------------|-------------|--------------|----------|---------------|-----------------|------------|---------------|------------|-----------------|------------------|-----------|---------------|-------------|--------------------|-------------------|--------------|-------------|-------------------|-----------------|----------------|---------------|
| PANAMA CANAL (PACIFIC) 08°53.0'N., 79°31.0'W. | 5707 | 4777 | 4767 | 4690 | 4685 | 4609 | 4594 | 4527 | 5604 | 5228 | 4924 | 5117 | 4940 | 4984 | 4603 | 4538 | 4387 | 4044 | - | 3920 | 3888 | 3803 | 3270 | 2939 | 2939 | 2867 |
| San Diego, CA 32°43.0'N., 117°10.5'W. | 3097 | 2347 | 2330 | 2283 | 2278 | 2212 | 2219 | 2175 | 2806 | 2412 | 2115 | 2303 | 2124 | 2174 | 1787 | 1723 | 1575 | 1228 | - | 1104 | 1074 | 989 | 455 | 95 | 94 | |
| Long Beach, CA 33°46.2'N., 118°13.3'W. | 3034 | 2302 | 2284 | 2241 | 2236 | 2173 | 2183 | 2143 | 2725 | 2331 | 2034 | 2223 | 2043 | 2092 | 1707 | 1643 | 1497 | 1148 | - | 1024 | 992 | 908 | 374 | 3 | | |
| Los Angeles, CA 33°45.0'N., 118°16.2'W. | 3031 | 2299 | 2281 | 2238 | 2233 | 2170 | 2180 | 2140 | 2722 | 2328 | 2031 | 2220 | 2040 | 2089 | 1703 | 1639 | 1493 | 1144 | - | 1020 | 989 | 904 | 371 | | | |
| San Francisco, CA 37°48.5'N., 122°24.0'W. | 2792 | 2146 | 2128 | 2096 | 2091 | 2036 | 2051 | 2019 | 2403 | 1990 | 1693 | 1882 | 1702 | 1745 | 1366 | 1302 | 1156 | 807 | - | 683 | 652 | 567 | | | | |
| Astoria, OR 46°11.7'N., 123°50.0'W. | 2724 | 2281 | 2262 | 2251 | 2246 | 2207 | 2235 | 2214 | 2071 | 1626 | 1261 | 1435 | 1242 | 1239 | 883 | 815 | 660 | 278 | - | 153 | 85 | | | | | |
| Portland, OR 45°33.0'N., 122°41.7'W. | 2809 | 2366 | 2347 | 2336 | 2331 | 2292 | 2320 | 2299 | 2156 | 1711 | 1346 | 1520 | 1327 | 1324 | 968 | 900 | 745 | 362 | - | 238 | | | | | | |
| CAPE FLATTERY, WA 48°26.0'N., 124°47.0'W. | 2694 | 2308 | 2289 | 2290 | 2285 | 2245 | 2276 | 2260 | - | - | - | - | - | - | - | - | - | 124 | 10 | | | | | | | |
| Swiftsure Bank, WA 48°31.0'N., 125°00.0'W. | - | - | - | - | - | - | - | - | 1973 | 1510 | 1124 | 1294 | 1100 | 1100 | 739 | 681 | 518 | 134 | | | | | | | | |
| Seattle, WA 47°36.2'N., 122°20.3'W. | 2818 | 2432 | 2413 | 2414 | 2409 | 2369 | 2400 | 2384 | 2107 | 1644 | 1258 | 1428 | 1234 | 1234 | 976 | 815 | 659 | | | | | | | | | |
| Ketchikan, AK 55°20.5'N., 131°38.7'W. | 2570 | 2387 | 2368 | 2388 | 2383 | 2361 | 2405 | 2398 | 1656 | 1193 | 742 | 892 | 682 | 713 | 307 | 224 | | | | | | | | | | |
| Sitka, AK 57°03.1'N., 135°20.5'W. | 2481 | 2380 | 2361 | 2390 | 2385 | 2365 | 2412 | 2410 | 1490 | 1027 | 564 | 708 | 464 | 479 | 85 | | | | | | | | | | | |
| CAPE SPENCER, AK 58°10.0'N., 136°38.3'W. | 2472 | 2407 | 2388 | 2416 | 2411 | 2398 | 2445 | 2447 | 1450 | 987 | 505 | 641 | 422 | 400 | | | | | | | | | | | | |
| Port Valdez 61°06.0'N., 146°24.0'W. | 2386 | 2445 | 2429 | 2473 | 2468 | 2463 | 2513 | 2524 | 1224 | 761 | 280 | 385 | 144 | | | | | | | | | | | | | |
| Seward, AK 60°06.0'N., 149°26.0'. | 2250 | 2351 | 2332 | 2378 | 2373 | 2377 | 2432 | 2439 | 1115 | 652 | 175 | 274 | | | | | | | | | | | | | | |
| Anchorage, AK 61°14.2'N., 149°53.3'W. | 2305 | 2459 | 2440 | 2482 | 2477 | 2479 | 2535 | 2542 | 1151 | 688 | 242 | | | | | | | | | | | | | | | |
| Kodiak, AK 57°47.1'N., 152°25.1'W. | 2088 | 2203 | 2184 | 2235 | 2230 | 2233 | 2289 | 2296 | 968 | 505 | | | | | | | | | | | | | | | | |
| Unimak Pass, AK 54°20.0'N., 164°45.0'W. | 1680 | 1972 | 1963 | 2024 | 2028 | 2044 | 2110 | 2126 | 463 | | | | | | | | | | | | | | | | | |
| Kuluk Bay, AK 51°51.6'N., 176°37.6'W. | 1460 | 1990 | 1989 | 2057 | 2061 | 2099 | 2164 | 2198 | | | | | | | | | | | | | | | | | | |
| Hilo, HI 19°44.1'N., 155°03.5'W. | 1338 | 297 | 287 | 201 | 196 | 121 | 83 | | | | | | | | | | | | | | | | | | | |
| Kawaihae, HI 20°02.3'N., 155°49.9'W. | 1278 | 240 | 230 | 145 | 140 | 85 | | | | | | | | | | | | | | | | | | | | |
| Kahalui, HI 20°54.0'N., 156°28.2'W. | 1232 | 193 | 181 | 94 | 89 | | | | | | | | | | | | | | | | | | | | | |
| Honolulu, HI 21°18.5'N., 157°52.3'W. | 1150 | 106 | 96 | 9 | | | | | | | | | | | | | | | | | | | | | | |
| Pearl Harbor, HI 21°20.0'N., 157°58.3'W. | 1146 | 102 | 92 | | | | | | | | | | | | | | | | | | | | | | | |
| Nawiliwili, HI 21°57.4'N., 159°21.5'W. | 1069 | 21 | | | | | | | | | | | | | | | | | | | | | | | | |
| Port Allen, HI 24°51.1'N., 159°35.6'W. | 1042 | | | | | | | | | | | | | | | | | | | | | | | | | |

Distances are in nautical miles

● Via inside passage

Pacific Coast Distances – San Diego, California to Cape Flattery, Washington

Table 28

| | CAPE FLATTERY, WA | Aberdeen, WA | South Bend, WA | Portland, OR | Vancouver, WA | Longview, WA | Astoria, OR | Garibaldi, OR | Depoe Bay, OR | Newport, OR | Florence, OR | Gardiner, OR | Coos Bay, OR | Crescent City, CA | Eureka, CA | Sacramento, CA | Stockton, CA | Oakland, CA | San Francisco, CA | Monterey, CA | Port San Luis, CA | Santa Barbara, CA | Port Hueneme, CA | Los Angeles, CA | Long Beach, CA | Newport Beach, CA |
|--|-------------------|--------------|----------------|--------------|---------------|--------------|-------------|---------------|---------------|-------------|--------------|--------------|--------------|-------------------|------------|----------------|--------------|-------------|-------------------|--------------|-------------------|-------------------|------------------|-----------------|----------------|-------------------|
| San Diego, CA 32°43.0'N., 117°10.5'W | 1104 | 1031 | 1019 | 1074 | 1070 | 1034 | 989 | 937 | 891 | 881 | 848 | 832 | 817 | 704 | 653 | 530 | 526 | 458 | 455 | 370 | 259 | 174 | 147 | 95 | 94 | 78 |
| Newport Beach, CA 33°37.1'N., 117°55.5'W. | 1038 | 965 | 953 | 1007 | 1003 | 967 | 922 | 871 | 825 | 815 | 782 | 766 | 751 | 638 | 587 | 464 | 460 | 392 | 389 | 304 | 193 | 108 | 81 | 27 | 25 | |
| Long Beach, CA 33°46.2'N., 118°13.3'W | 1024 | 951 | 939 | 992 | 988 | 953 | 908 | 857 | 810 | 800 | 768 | 751 | 736 | 624 | 572 | 449 | 445 | 377 | 374 | 290 | 179 | 94 | 66 | 3 | | |
| Los Angeles, CA 33°45.0'N., 118°16.2'W. | 1020 | 947 | 935 | 989 | 985 | 949 | 904 | 853 | 807 | 797 | 764 | 748 | 733 | 620 | 569 | 446 | 442 | 374 | 371 | 286 | 175 | 90 | 62 | | | |
| Port Hueneme, CA 34°09.0'N., 119°12.4'W. | 961 | 888 | 876 | 930 | 925 | 890 | 845 | 794 | 748 | 737 | 706 | 689 | 674 | 561 | 510 | 387 | 383 | 315 | 312 | 228 | 116 | 29 | | | | |
| Santa Barbara, CA 34°24.5'N., 119°41.1'W. | 937 | 864 | 852 | 905 | 901 | 866 | 821 | 770 | 723 | 713 | 681 | 664 | 649 | 537 | 485 | 362 | 358 | 290 | 287 | 203 | 91 | | | | | |
| Port San Luis, CA 35°10.4'N., 120°44.8'W. | 854 | 781 | 769 | 823 | 819 | 783 | 739 | 687 | 641 | 631 | 599 | 582 | 567 | 455 | 403 | 280 | 276 | 208 | 205 | 121 | | | | | | |
| Monterey, CA 36°36.5'N., 121°53.0'W. | 746 | 673 | 661 | 714 | 710 | 675 | 630 | 579 | 532 | 522 | 490 | 474 | 459 | 346 | 294 | 171 | 167 | 100 | 96 | | | | | | | |
| San Francisco, CA 37°48.5'N., 122°24.0'W. | 683 | 610 | 598 | 652 | 647 | 612 | 567 | 516 | 469 | 459 | 427 | 411 | 396 | 283 | 232 | 79 | 75 | 3 | | | | | | | | |
| Oakland, CA 37°48.2'N., 122°19.5'W. | 686 | 613 | 601 | 655 | 651 | 615 | 570 | 520 | 473 | 463 | 430 | 414 | 399 | 287 | 235 | 82 | 78 | | | | | | | | | |
| Stockton, CA 37°57.2'N., 121°18.8'W. | 755 | 682 | 670 | 723 | 719 | 684 | 639 | 588 | 541 | 531 | 498 | 482 | 467 | 354 | 303 | 75 | | | | | | | | | | |
| Sacramento, CA 38°33.8'N., 121°33.0'W. | 758 | 685 | 673 | 727 | 722 | 687 | 642 | 591 | 544 | 534 | 502 | 486 | 471 | 358 | 307 | | | | | | | | | | | |
| Eureka, CA 40°47.8'N., 124°11.2'W. | 468 | 395 | 383 | 436 | 432 | 397 | 352 | 301 | 254 | 244 | 212 | 195 | 180 | 64 | | | | | | | | | | | | |
| Crescent City, CA 41°44.5'N., 124°11.4'W. | 411 | 339 | 327 | 381 | 377 | 341 | 296 | 245 | 199 | 188 | 156 | 140 | 125 | | | | | | | | | | | | | |
| Coos Bay, OR 43°22.4'N., 124°12.5'W. | 321 | 244 | 232 | 285 | 281 | 246 | 201 | 150 | 101 | 92 | 59 | 42 | | | | | | | | | | | | | | |
| Gardiner, OR 43°43.9'N., 124°06.8'W. | 298 | 221 | 209 | 262 | 258 | 223 | 178 | 127 | 78 | 69 | 36 | | | | | | | | | | | | | | | |
| Florence, OR 43°58.0'N., 124°06.3'W. | 273 | 196 | 184 | 238 | 234 | 198 | 153 | 102 | 54 | 43 | | | | | | | | | | | | | | | | |
| Newport, OR 44°37.8'N., 124°03.1'W. | 235 | 158 | 146 | 200 | 196 | 160 | 115 | 63 | 16 | | | | | | | | | | | | | | | | | |
| Depoe Bay, OR 44°48.6'N., 124°03.6'W. | 222 | 144 | 133 | 186 | 182 | 146 | 101 | 50 | | | | | | | | | | | | | | | | | | |
| Garibaldi, OR 45°33.3'N., 123°55.1'W. | 179 | 102 | 90 | 142 | 138 | 103 | 58 | | | | | | | | | | | | | | | | | | | |
| Astoria, OR 46°11.7'N., 123°50.0'W. | 153 | 75 | 63 | 85 | 80 | 45 | | | | | | | | | | | | | | | | | | | | |
| Longview, WA 46°06.3'N., 122°57.7'W. | 198 | 119 | 108 | 39 | 34 | | | | | | | | | | | | | | | | | | | | | |
| Vancouver, WA 45°37.6'N., 122°41.3'W. | 234 | 155 | 143 | 13 | | | | | | | | | | | | | | | | | | | | | | |
| Portland, OR 45°33.0'N., 122°41.7'W. | 238 | 159 | 147 | | | | | | | | | | | | | | | | | | | | | | | |
| South Bend, WA 46°40.1'N., 123°47.5'W. | 131 | 53 | | | | | | | | | | | | | | | | | | | | | | | | |
| Aberdeen, WA 46°58.4'N., 123°48.5'W. | 117 | | | | | | | | | | | | | | | | | | | | | | | | | |

Distances are in nautical miles

San Francisco Bay Area Distances

Table 29

| | San Francisco | Hunters Point | Redwood City | Oakland | Richmond | Sausalito | San Rafael | Petaluma | Vallejo | Napa | Benicia | Pittsburg | Antioch | Stockton | Hills Ferry | Rio Vista | Sacramento | Knights Landing | Colusa |
|--|---------------|---------------|--------------|---------|----------|-----------|------------|----------|---------|------|---------|-----------|---------|----------|-------------|-----------|------------|-----------------|--------|
| Chico Landing 39°42.6'N., 121°56.6'W. | 197 | 203 | 219 | 200 | 194 | 196 | 192 | 204 | 178 | 193 | 171 | 159 | 163 | 174 | 246 | 146 | 119 | 89 | 42 |
| Colusa 39°13.0'N., 122°00.0'W. | 155 | 161 | 177 | 158 | 152 | 154 | 150 | 162 | 136 | 151 | 129 | 117 | 121 | 132 | 204 | 104 | 77 | 47 | |
| Knights Landing 38°48.1'N., 121°43.1'W. | 107 | 113 | 129 | 110 | 104 | 106 | 102 | 114 | 88 | 103 | 81 | 69 | 73 | 84 | 156 | 56 | 29 | | |
| Sacramento 38°33.8'N., 121°33.0'W. | 78 | 84 | 100 | 81 | 75 | 77 | 73 | 85 | 59 | 74 | 52 | 40 | 44 | 75 | 127 | 27 | | | |
| Rio Vista 38°09.3'N., 121°41.3'W. | 52 | 58 | 73 | 55 | 49 | 51 | 47 | 58 | 33 | 48 | 26 | 14 | 17 | 48 | 100 | | | | |
| Hills Ferry 37°20.4'N., 120°58.5'W. | 147 | 153 | 168 | 149 | 143 | 145 | 141 | 153 | 127 | 142 | 120 | 107 | 103 | 74 | | | | | |
| Stockton 37°57.2'N., 121°18.8'W. | 75 | 81 | 96 | 78 | 71 | 73 | 69 | 81 | 55 | 70 | 48 | 35 | 31 | | | | | | |
| Antioch 38°01.1'N., 121°48.7'W. | 44 | 50 | 65 | 47 | 40 | 42 | 38 | 50 | 24 | 39 | 17 | 3 | | | | | | | |
| Pittsburg 38°02.1'N., 121°52.6'W. | 40 | 46 | 62 | 43 | 37 | 39 | 35 | 46 | 21 | 36 | 14 | | | | | | | | |
| Benicia 38°02.4'N., 122°08.2'W. | 27 | 33 | 49 | 30 | 24 | 25 | 21 | 33 | 8 | 22 | | | | | | | | | |
| Napa 38°17.7'N., 122°16.9'W. | 37 | 43 | 58 | 40 | 34 | 36 | 32 | 43 | 15 | | | | | | | | | | |
| Vallejo 38°05.3'N., 122°15.3'W. | 23 | 29 | 44 | 26 | 19 | 21 | 17 | 28 | | | | | | | | | | | |
| Petaluma 38°14.1'N., 122°38.2'W. | 33 | 39 | 54 | 36 | 29 | 31 | 27 | | | | | | | | | | | | |
| San Rafael 37°58.1'N., 122°30.7'W. | 13 | 19 | 35 | 16 | 9 | 11 | | | | | | | | | | | | | |
| Sausalito 37°51.6'N., 122°28.6'W. | 5 | 11 | 27 | 8 | 7 | | | | | | | | | | | | | | |
| Richmond 37°54.6'N., 122°21.7'W. | 11 | 17 | 32 | 14 | | | | | | | | | | | | | | | |
| Oakland 37°54.6'N., 122°21.7'W. | 3 | 7 | 22 | | | | | | | | | | | | | | | | |
| Redwood City 37°30.8'N., 122°12.5'W. | 22 | 16 | | | | | | | | | | | | | | | | | |
| Hunters Point 37°43.5'N., 122°21.5'W. | 6 | | | | | | | | | | | | | | | | | | |

Distances are in nautical miles

Distances on Columbia River System

Table 30

| | Johnson Bar Landing, ID | Lewiston, ID | Central Ferry, WA | Ice Harbor Dam, WA | Harrisburg, OR | Corvallis, OR | Albany, OR | Salem, OR | Oregon City, OR | Portland, OR | Richland, WA | Pasco, WA | Port of Walla Walla, WA | McNary Lock & Dam | Umatilla, OR | Arlington, OR | John Day Lock & Dam | The Dalles Lock & Dam | Hood River (town), OR | Bonneville Lock & Dam | Vancouver, WA | St. Helens, OR | Longview, WA | Astoria, OR | Warrenton, OR | Ilwaco, WA | Columbia River (mouth) |
|-------------------------|-------------------------|--------------|-------------------|--------------------|----------------|---------------|------------|-----------|-----------------|--------------|--------------|-----------|-------------------------|-------------------|--------------|---------------|---------------------|-----------------------|-----------------------|-----------------------|---------------|----------------|--------------|-------------|---------------|------------|------------------------|
| Columbia River (mouth) | 483 | 404 | 354 | 291 | 230 | 203 | 192 | 162 | 110 | 97 | 293 | 285 | 276 | 254 | 251 | 210 | 188 | 166 | 148 | 126 | 92 | 75 | 58 | 12 | 11 | 6 | • |
| Ilwaco, WA | 484 | 404 | 355 | 292 | 230 | 203 | 193 | 163 | 111 | 98 | 294 | 286 | 276 | 254 | 252 | 211 | 189 | 167 | 149 | 127 | 93 | 76 | 59 | 13 | 12 | • | 7 |
| Warrenton, OR | 475 | 396 | 346 | 283 | 222 | 195 | 184 | 154 | 103 | 89 | 285 | 277 | 268 | 246 | 244 | 202 | 180 | 159 | 140 | 118 | 84 | 67 | 50 | 4 | • | 14 | 13 |
| Astoria, OR | 470 | 391 | 342 | 278 | 217 | 190 | 180 | 149 | 98 | 85 | 281 | 273 | 263 | 241 | 239 | 198 | 175 | 154 | 136 | 114 | 80 | 62 | 45 | • | 5 | 15 | 14 |
| Longview, WA | 425 | 345 | 296 | 233 | 171 | 144 | 134 | 104 | 52 | 39 | 235 | 227 | 217 | 195 | 193 | 152 | 130 | 108 | 90 | 68 | 34 | 17 | • | 52 | 58 | 68 | 67 |
| St. Helens, OR | 411 | 332 | 282 | 219 | 158 | 131 | 121 | 90 | 39 | 25 | 222 | 214 | 204 | 182 | 180 | 138 | 117 | 95 | 76 | 55 | 20 | • | 20 | 71 | 77 | 87 | 86 |
| Vancouver, WA | 391 | 312 | 262 | 199 | 145 | 118 | 108 | 77 | 26 | 13 | 202 | 193 | 184 | 162 | 160 | 118 | 96 | 75 | 56 | 35 | • | 23 | 39 | 92 | 97 | 107 | 106 |
| Bonneville Lock & Dam | 356 | 277 | 228 | 164 | 180 | 153 | 142 | 112 | 61 | 47 | 167 | 159 | 149 | 127 | 125 | 84 | 62 | 40 | 22 | • | 40 | 63 | 78 | 131 | 136 | 146 | 145 |
| Hood River (town), OR | 335 | 256 | 206 | 143 | 201 | 174 | 164 | 134 | 82 | 69 | 145 | 137 | 128 | 106 | 103 | 62 | 40 | 18 | • | 5 | 64 | 87 | 104 | 157 | 161 | 171 | 170 |
| The Dalles Lock & Dam | 316 | 237 | 188 | 124 | 220 | 193 | 183 | 152 | 101 | 87 | 127 | 119 | 109 | 87 | 85 | 44 | 22 | • | 21 | 46 | 86 | 109 | 124 | 177 | 183 | 192 | 191 |
| John Day Lock & Dam | 294 | 215 | 166 | 102 | 242 | 215 | 204 | 174 | 123 | 109 | 105 | 97 | 87 | 65 | 63 | 22 | • | 25 | 46 | 71 | 110 | 135 | 150 | 203 | 207 | 217 | 216 |
| Arlington, OR | 273 | 194 | 144 | 81 | 263 | 236 | 226 | 195 | 144 | 130 | 83 | 75 | 66 | 44 | 42 | • | 25 | 51 | 71 | 97 | 136 | 159 | 175 | 228 | 232 | 243 | 242 |
| Umatilla, OR | 231 | 152 | 103 | 39 | 305 | 278 | 268 | 237 | 186 | 172 | 42 | 34 | 24 | 2 | • | 48 | 72 | 98 | 119 | 144 | 184 | 207 | 222 | 275 | 281 | 290 | 289 |
| McNary Lock & Dam | 229 | 150 | 101 | 37 | 307 | 280 | 270 | 239 | 188 | 174 | 40 | 32 | 22 | • | 2 | 51 | 75 | 100 | 122 | 146 | 186 | 209 | 224 | 277 | 283 | 292 | 292 |
| Port of Walla Walla, WA | 207 | 128 | 79 | 15 | 329 | 302 | 292 | 261 | 210 | 196 | 18 | 10 | • | 25 | 28 | 76 | 100 | 125 | 147 | 171 | 212 | 235 | 250 | 303 | 308 | 318 | 318 |
| Pasco, WA | 204 | 125 | 75 | 12 | 339 | 312 | 301 | 271 | 220 | 206 | 8 | • | 12 | 37 | 39 | 86 | 112 | 137 | 158 | 183 | 222 | 246 | 261 | 314 | 319 | 329 | 328 |
| Richland, WA | 212 | 133 | 83 | 20 | 347 | 320 | 309 | 279 | 228 | 214 | • | 9 | 21 | 46 | 48 | 96 | 121 | 146 | 167 | 192 | 232 | 255 | 270 | 323 | 328 | 338 | 337 |
| Portland, OR | 403 | 324 | 275 | 211 | 133 | 106 | 96 | 65 | 14 | • | 246 | 237 | 226 | 200 | 198 | 150 | 125 | 100 | 79 | 54 | 15 | 29 | 45 | 98 | 102 | 113 | 112 |
| Oregon City, OR | 417 | 338 | 288 | 225 | 119 | 92 | 82 | 51 | • | 16 | 262 | 253 | 242 | 216 | 214 | 166 | 142 | 116 | 94 | 70 | 30 | 45 | 60 | 113 | 119 | 128 | 127 |
| Salem, OR | 468 | 389 | 340 | 276 | 68 | 41 | 31 | • | 59 | 75 | 321 | 312 | 300 | 275 | 273 | 224 | 200 | 175 | 154 | 129 | 89 | 104 | 120 | 171 | 177 | 188 | 186 |
| Albany, OR | 499 | 420 | 370 | 307 | 37 | 10 | • | 36 | 94 | 110 | 356 | 346 | 336 | 311 | 308 | 260 | 235 | 211 | 189 | 163 | 124 | 139 | 154 | 207 | 212 | 222 | 221 |
| Corvallis, OR | 509 | 430 | 380 | 317 | 27 | • | 12 | 47 | 106 | 122 | 368 | 359 | 348 | 322 | 320 | 272 | 247 | 222 | 200 | 176 | 136 | 151 | 166 | 219 | 224 | 234 | 234 |
| Harrisburg, OR | 536 | 457 | 407 | 344 | • | 31 | 43 | 78 | 137 | 153 | 399 | 390 | 379 | 353 | 351 | 303 | 278 | 253 | 231 | 207 | 167 | 182 | 197 | 250 | 255 | 265 | 265 |
| Ice Harbor Dam, WA | 192 | 113 | 63 | • | 396 | 365 | 353 | 318 | 259 | 243 | 23 | 14 | 17 | 43 | 45 | 93 | 117 | 143 | 165 | 189 | 229 | 252 | 268 | 320 | 326 | 336 | 335 |
| Central Ferry, WA | 129 | 50 | • | 72 | 468 | 437 | 426 | 391 | 331 | 316 | 96 | 86 | 91 | 116 | 119 | 166 | 191 | 216 | 237 | 262 | 302 | 325 | 341 | 394 | 398 | 409 | 407 |
| Lewiston, ID | 79 | • | 58 | 130 | 526 | 495 | 483 | 448 | 389 | 373 | 153 | 144 | 147 | 173 | 175 | 223 | 247 | 273 | 295 | 319 | 359 | 382 | 397 | 450 | 456 | 465 | 465 |
| Johnson Bar Landing, ID | • | 91 | 148 | 221 | 617 | 586 | 574 | 539 | 480 | 464 | 244 | 235 | 238 | 264 | 266 | 314 | 338 | 364 | 386 | 410 | 450 | 473 | 489 | 541 | 547 | 557 | 556 |

Distances are in nautical and statute miles

Distances in Strait of Juan de Fuca and Strait of Georgia

Table 31

| | Vancouver, BC, Canada | New Westminster, BC, Canada | Nanaimo, BC, Canada | Blaine, WA | Bellingham, WA | Anacortes, WA | Friday Harbor, WA | Roche Harbor, WA | Olympia, WA | Tacoma, WA | Bremerton, WA | Eagle Harbor, WA | Seattle, WA | Point Wells, WA | Everett, WA | Port Gamble, WA | Port Ludlow, WA | Port Townsend, WA | Victoria, BC, Canada | Port Angeles, WA | Neah Bay, WA | SWIFTSURE BANK, WA |
|--|-----------------------|-----------------------------|---------------------|------------|----------------|---------------|-------------------|------------------|-------------|------------|---------------|------------------|-------------|-----------------|-------------|-----------------|-----------------|-------------------|----------------------|------------------|--------------|--------------------|
| CAPE FLATTERY, WA 48°26.0'N., 124°47.0'W. | 141 | 139 | 145 | 112 | 108 | 93 | 87 | 83 | 168 | 143 | 131 | 123 | 124 | 111 | 117 | 104 | 100 | 86 | 62 | 61 | 10 | 10 |
| SWIFTSURE BANK, WA 48°31.0'N., 123°00.0'W. | 150 | 148 | 154 | 121 | 117 | 102 | 96 | 92 | 178 | 153 | 141 | 133 | 134 | 121 | 127 | 114 | 110 | 96 | 71 | 71 | 20 | |
| Neah Bay, WA 48°22.4'N., 124°36.5'W. | 133 | 132 | 138 | 105 | 101 | 86 | 80 | 76 | 160 | 136 | 124 | 115 | 116 | 103 | 110 | 97 | 93 | 79 | 55 | 54 | | |
| Port Angeles, WA 48°07.5'N., 123°26.4'W. | 95 | 93 | 99 | 65 | 54 | 42 | 37 | 36 | 113 | 89 | 77 | 68 | 69 | 56 | 63 | 50 | 46 | 32 | 19 | | | |
| Victoria, BC, Canada 48°25.0'N., 123°23.5'W. | 83 | 82 | 89 | 55 | 50 | 36 | 30 | 25 | 115 | 91 | 80 | 71 | 72 | 59 | 66 | 53 | 48 | 34 | | | | |
| Port Townsend, WA 48°06.8'N., 122°45.2'W. | 92 | 91 | 97 | 59 | 43 | 30 | 30 | 41 | 84 | 59 | 48 | 40 | 40 | 27 | 34 | 21 | 16 | | | | | |
| Port Ludlow, WA 47°55.3'N., 122°41.0'W. | 106 | 105 | 111 | 72 | 57 | 43 | 44 | 54 | 75 | 52 | 40 | 32 | 32 | 19 | 26 | 10 | | | | | | |
| Port Gamble, WA 47°51.3'N., 122°34.7'W. | 110 | 109 | 115 | 76 | 61 | 47 | 48 | 58 | 78 | 53 | 42 | 34 | 34 | 21 | 28 | | | | | | | |
| Everett, WA 47°59.3'N., 122°13.2'W. | 115 | 114 | 118 | 80 | 63 | 49 | 62 | 71 | 73 | 49 | 38 | 29 | 30 | 16 | | | | | | | | |
| Point Wells, WA 47°47.1'N., 122°23.7'W. | 117 | 116 | 121 | 83 | 68 | 54 | 54 | 64 | 59 | 34 | 23 | 14 | 14 | | | | | | | | | |
| Seattle, WA 47°36.2'N., 122°20.3'W. | 129 | 128 | 134 | 95 | 80 | 66 | 67 | 77 | 50 | 25 | 14 | 8 | | | | | | | | | | |
| Eagle Harbor, WA 47°34.2'N., 122°30.7'W. | 129 | 128 | 134 | 95 | 80 | 66 | 67 | 76 | 50 | 25 | 13 | | | | | | | | | | | |
| Bremerton, WA 47°33.5'N., 122°38.0'W. | 138 | 137 | 142 | 104 | 88 | 74 | 76 | 85 | 50 | 29 | | | | | | | | | | | | |
| Tacoma, WA 47°16.0'N., 122°26.0'W. | 149 | 148 | 154 | 115 | 100 | 86 | 86 | 96 | 34 | | | | | | | | | | | | | |
| Olympia, WA 47°03.1'N., 122°54.3'W. | 173 | 171 | 177 | 139 | 124 | 110 | 112 | 121 | | | | | | | | | | | | | | |
| Roche Harbor, WA 48°36.6'N., 123°09.1'W. | 62 | 60 | 66 | 35 | 37 | 27 | 12 | | | | | | | | | | | | | | | |
| Friday Harbor, WA 48°32.2'N., 123°00.9'W. | 62 | 60 | 69 | 37 | 28 | 18 | | | | | | | | | | | | | | | | |
| Anacortes, WA 48°31.4'N., 122°36.7'W. | 71 | 70 | 76 | 36 | 17 | | | | | | | | | | | | | | | | | |
| Bellingham, WA 48°45.1'N., 122°29.0'W. | 72 | 71 | 75 | 38 | | | | | | | | | | | | | | | | | | |
| Blaine, WA 48°59.5'N., 122°45.9'W. | 48 | 48 | 55 | | | | | | | | | | | | | | | | | | | |
| Nanaimo, BC, Canada 49°10.1'N., 123°56.0'W. | 36 | 48 | | | | | | | | | | | | | | | | | | | | |
| New Westminster, BC, Canada 49°12.0'N., 122°54.5'W. | 41 | | | | | | | | | | | | | | | | | | | | | |

Distances are in nautical miles

Hawaii Distances

Table 32

| | Palmyra Island | Johnston Island | Midway Island | Nonopapa, Nihau | Hanalei, Kauai | Waimea, Kauai | Port Allen, Kauai | Nawiliwili, Kauai | Ahukini, Kauai | Pearl Harbor, Oahu | Honolulu, Oahu | Kalaupapa, Molokai | Haleolono, Molokai | Kaunakakai, Molokai | Kamalo, Molokai | Kaumalapau, Lanai | Kahalui, Maui | Lahaina (Mala), Maui | Hana, Maui | Mahukona, Hawaii'i | Kawaihae, Hawaii'i | Kailua, Hawaii'i | Napoopoo, Hawaii'i |
|---|----------------|-----------------|---------------|-----------------|----------------|---------------|-------------------|-------------------|----------------|--------------------|----------------|--------------------|--------------------|---------------------|-----------------|-------------------|---------------|----------------------|------------|--------------------|--------------------|------------------|--------------------|
| Hilo, Hawaii'i 19°44.1'N., 155°03.5'W. | 959 | 905 | 1338 | 332 | 308 | 303 | 297 | 287 | 287 | 201 | 196 | 154 | 155 | 145 | 137 | 136 | 121 | 125 | 85 | 72 | 83 | 109 | 120 |
| Napoopoo, Hawaii'i 19°28.6'N., 155°55.3'W. | - | - | - | 287 | 266 | 260 | 254 | 244 | 245 | 162 | 157 | 138 | 124 | 120 | 112 | 101 | 120 | 99 | 84 | 50 | 45 | 11 | |
| Kailua, Hawaii'i 19°38.6'N., 156°00.0'W. | - | - | - | 278 | 257 | 251 | 245 | 235 | 236 | 152 | 147 | 127 | 114 | 109 | 102 | 91 | 110 | 88 | 73 | 39 | 34 | | |
| Kawaihae, Hawaii'i 20°02.3'N., 155°49.9'W. | 928 | 811 | 1278 | 277 | 251 | 246 | 240 | 230 | 230 | 145 | 140 | 110 | 103 | 93 | 86 | 82 | 85 | 72 | 48 | 12 | | | |
| Mahukona, Hawaii'i 20°11.2'N., 155°54.2'W. | - | - | - | 272 | 244 | 239 | 233 | 223 | 223 | 138 | 133 | 102 | 95 | 85 | 77 | 76 | 74 | 63 | 36 | | | | |
| Hana, Maui 20°45.6'N., 155°59.1'W. | - | - | - | 262 | 224 | 226 | 220 | 210 | 210 | 124 | 119 | 70 | 80 | 69 | 59 | 72 | 37 | 57 | | | | | |
| Lahaina (Mala), Maui 20°53.5'N., 156°41.5'W. | - | - | - | 214 | 186 | 182 | 177 | 165 | 165 | 78 | 73 | 39 | 34 | 23 | 15 | 25 | 27 | | | | | | |
| Kahalui, Maui 20°54.0'N., 156°28.2'W. | 1010 | 798 | 1232 | 232 | 194 | 199 | 193 | 181 | 181 | 94 | 89 | 41 | 50 | 39 | 30 | 50 | | | | | | | |
| Kaumalapau, Lanai 20°47.4'N., 156°59.7'W. | - | - | - | 199 | 172 | 167 | 161 | 151 | 151 | 65 | 60 | 54 | 24 | 21 | 25 | | | | | | | | |
| Kamalo, Molokai 21°02.9'N., 156°52.7'W. | - | - | - | 203 | 173 | 169 | 163 | 153 | 153 | 66 | 61 | 37 | 22 | 12 | | | | | | | | | |
| Kaunakakai, Molokai 21°05.1'N., 157°02.0'W. | - | - | - | 193 | 164 | 160 | 154 | 144 | 144 | 57 | 52 | 45 | 13 | | | | | | | | | | |
| Haleolono, Molokai 21°05.2'N., 157°15.2'W. | - | - | - | 181 | 152 | 148 | 142 | 132 | 132 | 45 | 40 | 33 | | | | | | | | | | | |
| Kalaupapa, Molokai 21°11.7'N., 156°59.3'W. | - | - | - | 194 | 159 | 162 | 156 | 144 | 143 | 58 | 53 | | | | | | | | | | | | |
| Honolulu, Oahu 21°18.5'N., 157°52.3'W. | 959 | 725 | 1150 | 147 | 116 | 112 | 106 | 96 | 96 | 9 | | | | | | | | | | | | | |
| Pearl Harbor, Oahu 21°20.0'N., 157°58.3'W. | 960 | 722 | 1146 | 143 | 112 | 108 | 102 | 92 | 92 | | | | | | | | | | | | | | |
| Ahukini, Kauai 21°59.7'N., 159°20.1'W. | - | - | - | 65 | 29 | 29 | 23 | 5 | | | | | | | | | | | | | | | |
| Nawiliwili, Kauai 21°57.4'N., 159°21.5'W. | 986 | 668 | 1069 | 63 | 32 | 27 | 21 | | | | | | | | | | | | | | | | |
| Port Allen, Kauai 21°54.1'N., 159°35.6'W. | 979 | 656 | 1042 | 45 | 42 | 8 | | | | | | | | | | | | | | | | | |
| Waimea, Kauai 21°57.4'N., 159°40.4'W. | - | - | - | 40 | 35 | | | | | | | | | | | | | | | | | | |
| Hanalei, Kauai 22°12.9'N., 159°30.1'W. | - | - | - | 52 | | | | | | | | | | | | | | | | | | | |
| Nonopapa, Nihau 21°52.0'N., 160°14.1'W. | - | - | - | | | | | | | | | | | | | | | | | | | | |
| Midway Island 28°13.0'N., 177°22.0'W. | 1606 | 825 | | | | | | | | | | | | | | | | | | | | | |
| Johnston Island 16°44.6'N., 169°31.2'W. | 785 | | | | | | | | | | | | | | | | | | | | | | |

Distances are in nautical miles

Gulf of Alaska Distances

Table 33

| | UNIMAK PASS | False Pass | Unga | Chignik | Uyak | Kodiak | Anchorage | Homer | Seldova | Seward | Latouche | Whittier | Port Valdez | Cordova | Yakutat | CAPE SPENCER | Sitka | CAPE DECISION | DIXON ENTRANCE |
|---|-------------|------------|------|---------|------|--------|-----------|-------|---------|--------|----------|----------|-------------|---------|---------|--------------|-------|---------------|----------------|
| SWIFTSURE BANK 48°31.0'N., 125°00.0'W. | 1510 | 1473 | 1394 | 1301 | 1200 | 1124 | 1294 | 1178 | 1167 | 1100 | 1076 | 1113 | 1100 | 1093 | 869 | 739 | 681 | 588 | 500 |
| DIXON ENTRANCE 54°28.0'N., 132°52.0'W. | 1120 | 1064 | 953 | 874 | 762 | 687 | 845 | 729 | 718 | 642 | 617 | 647 | 634 | 627 | 402 | 259 | 192 | 106 | |
| CAPE DECISION 55°59.4'N., 134°08.1'W. | 1064 | 1016 | 892 | 811 | 689 | 613 | 763 | 647 | 636 | 553 | 527 | 542 | 529 | 522 | 295 | 162 | 95 | | |
| Sitka 57°03.1'N., 135°20.5'W. | 1027 | 980 | 865 | 772 | 628 | 564 | 708 | 591 | 580 | 494 | 467 | 492 | 479 | 472 | 231 | 85 | | | |
| CAPE SPENCER 58°10.0'N., 136°38.3'W. | 987 | 926 | 811 | 717 | 571 | 505 | 641 | 525 | 514 | 422 | 395 | 413 | 400 | 393 | 141 | | | | |
| Yakutat 59°32.9'N., 139°43.9'W. | 897 | 844 | 730 | 636 | 480 | 414 | 538 | 422 | 411 | 312 | 286 | 298 | 285 | 278 | | | | | |
| Cordova 60°33.4'N., 145°45.3'W. | 763 | 711 | 597 | 503 | 339 | 282 | 387 | 270 | 260 | 146 | 85 | 96 | 78 | | | | | | |
| Port Valdez 61°06.0'N., 146°24.0'W. | 761 | 709 | 595 | 501 | 337 | 280 | 385 | 267 | 257 | 144 | 83 | 96 | | | | | | | |
| Whittier 60°46.8'N., 148°39.6'W. | 742 | 689 | 574 | 481 | 317 | 261 | 367 | 249 | 239 | 125 | 64 | | | | | | | | |
| Latouche 60°03.3'N., 147°54.1'W. | 678 | 626 | 511 | 418 | 254 | 201 | 300 | 183 | 172 | 61 | | | | | | | | | |
| Seward 60°06.0'N., 149°26.0'W. | 652 | 600 | 485 | 392 | 228 | 175 | 274 | 158 | 147 | | | | | | | | | | |
| Seldova 59°26.5'N., 151°43.0'W. | 562 | 510 | 395 | 302 | 138 | 115 | 139 | 16 | | | | | | | | | | | |
| Homer 59°36.0'N., 151°24.0'W. | 573 | 521 | 406 | 313 | 149 | 126 | 143 | | | | | | | | | | | | |
| Anchorage 61°14.2'N., 149°53.3'W. | 688 | 636 | 521 | 428 | 264 | 242 | | | | | | | | | | | | | |
| Kodiak 57°47.1'N., 152°25.1'W. | 505 | 453 | 338 | 245 | 80 | | | | | | | | | | | | | | |
| Uyak 57°38.6'N., 154°00.0'W. | 440 | 388 | 273 | 180 | | | | | | | | | | | | | | | |
| Chignik 56°17.8'N., 158°24.0'W. | 289 | 236 | 122 | | | | | | | | | | | | | | | | |
| Unga 55°10.6'N., 160°29.8'W. | 187 | 135 | | | | | | | | | | | | | | | | | |
| False Pass 54°51.4'N., 163°24.0'W. | 86 | | | | | | | | | | | | | | | | | | |

Distances are in nautical miles

Inside Passage Distances—Seattle, Washington to Cape Spencer, Alaska

Table 34

| | CAPE SPENCER, AK | Gustavus, AK | Skagway, AK | Haines, AK | Juneau, AK | Pelican, AK | Sitka, AK | Petersburg, AK | Port Alexander, AK | CAPE DECISION, AK | Wrangell, AK | Craig, AK | Ketchikan, AK | Metlakatla, AK | Cape Chacon, AK | Hyder, AK | DIXON ENTRANCE | Victoria, BC |
|---|------------------|--------------|-------------|------------|------------|-------------|-----------|----------------|--------------------|-------------------|--------------|-----------|---------------|----------------|-----------------|-----------|----------------|--------------|
| Seattle, WA 47°36.2'N., 122°20.3'W. | 976 | 938 | 962 | 950 | 879 | 989 | 883 | 771 | 812 | 788 | 749 | 716 | 659 | 660 | 640 | 690 | 664 | 72 |
| Victoria, BC 48°25.0'N., 123°28.5'W. | 924 | 886 | 910 | 898 | 827 | 937 | 832 | 719 | 761 | 737 | 697 | 664 | 608 | 608 | 588 | 638 | 612 | |
| DIXON ENTRANCE 54°28.0'N., 132°52.0'W. | 319 | 290 | 371 | 359 | 288 | 332 | 221 | 180 | 150 | 126 | 157 | 77 | 79 | 66 | 34 | 169 | | |
| Hyder, AK 55°54.2'N., 130°00.6'W. | 451 | 423 | 447 | 435 | 364 | 464 | 368 | 256 | 297 | 273 | 234 | 212 | 144 | 148 | 136 | | | |
| Cape Chacon, AK 54°40.6'N., 131°59.7'W. | 318 | 289 | 337 | 325 | 254 | 331 | 220 | 146 | 149 | 125 | 123 | 76 | 45 | 32 | | | | |
| Metlakatla, AK 55°07.8'N., 131°34.2'W. | 321 | 293 | 317 | 305 | 235 | 334 | 238 | 126 | 167 | 143 | 104 | 109 | 16 | | | | | |
| Ketchikan, AK 55°20.5'N., 131°38.7'W. | 307 | 278 | 303 | 291 | 220 | 320 | 224 | 112 | 153 | 129 | 89 | 121 | | | | | | |
| Craig, AK 55°28.7'N., 133°09.7'W. | 242 | 213 | 264 | 253 | 206 | 255 | 144 | 113 | 73 | 49 | 111 | | | | | | | |
| Wrangell, AK 56°28.2'N., 132°23.2'W. | 235 | 208 | 231 | 219 | 148 | 248 | 170 | 40 | 99 | 75 | | | | | | | | |
| CAPE DECISION, AK 55°59.4'N., 134°08.1'W. | 193 | 164 | 215 | 204 | 157 | 206 | 95 | 76 | 24 | | | | | | | | | |
| Port Alexander, AK 56°14.8'N., 134°38.8'W. | 173 | 147 | 198 | 186 | 140 | 186 | 82 | 100 | | | | | | | | | | |
| Petersburg, AK 56°48.9'N., 132°57.8'W. | 195 | 166 | 191 | 179 | 108 | 207 | 159 | | | | | | | | | | | |
| Sitka, AK 57°03.1'N., 135°20.5'W. | 85 | 136 | 187 | 176 | 162 | 79 | | | | | | | | | | | | |
| Pelican, AK 57°57.6'N., 136°13.8'W. | 18 | 45 | 148 | 136 | 123 | | | | | | | | | | | | | |
| Juneau, AK 58°17.9'N., 134°24.7'W. | 110 | 82 | 100 | 88 | | | | | | | | | | | | | | |
| Haines, AK 59°13.8'N., 135°26.1'W. | 124 | 96 | 14 | | | | | | | | | | | | | | | |
| Skagway, AK 59°26.8'N., 135°19.3'W. | 136 | 106 | | | | | | | | | | | | | | | | |
| Gustavus, AK 58°23.3'N., 135°43.6'W. | 32 | | | | | | | | | | | | | | | | | |

Distances are in nautical miles

Bering Sea and Arctic Ocean Distances

Table 35

| | Alaska-Canada Boundary | Barter Island | Barrow | Wainwright | Point Lay | Point Hope | Deering | CAPE PRINCE OF WALES | Port Clarence | Savoonga | Nome | Golovnin Bay | Unalakleet | St. Michael | Apoon Bay | Hooper Bay | Bethel | Platinum | Dillingham | Naknek | Meshik | Port Moller | St. Paul Island | Massacre Bay | Alcan Harbor | Kiska | Constantine Harbor | Kuluk Bay | Dutch Harbor | |
|--|---------------------------|---------------|--------|------------|-----------|------------|---------|-------------------------|---------------|----------|------|--------------|------------|-------------|-----------|------------|--------|----------|------------|--------|--------|-------------|-----------------|--------------|--------------|-------|--------------------|-----------|--------------|--|
| UNIMAK PASS 54°20.0'N., 164°45.0'W. | 1490 | 1428 | 1155 | 1079 | 998 | 868 | 900 | 702 | 708 | 642 | 646 | 686 | 737 | 711 | 708 | 472 | 421 | 307 | 384 | 377 | 277 | 208 | 254 | 833 | 805 | 672 | 614 | 463 | 75 | |
| Dutch Harbor 53°52.7'N., 166°31.8'W. | 1503 | 1440 | 1167 | 1092 | 1011 | 881 | 913 | 715 | 720 | 654 | 659 | 699 | 750 | 724 | 721 | 485 | 464 | 343 | 432 | 425 | 325 | 256 | 239 | 777 | 749 | 616 | 558 | 407 | | |
| Kuluk Bay 51°51.6'N., 176°37.6'W. | 1678 | 1616 | 1343 | 1268 | 1187 | 1057 | 1089 | 891 | 896 | 830 | 835 | 875 | 926 | 900 | 897 | 678 | 776 | 662 | 785 | 779 | 694 | 627 | 387 | 396 | 368 | 235 | 175 | | | |
| Constantine Harbor 51°24.0'N., 179°18.1'W. | 1763 | 1701 | 1428 | 1353 | 1272 | 1142 | 1174 | 976 | 981 | 915 | 920 | 960 | 1011 | 985 | 982 | 775 | 903 | 789 | 919 | 912 | 832 | 769 | 501 | 249 | 222 | 79 | | | | |
| Kiska 51°58.3'N., 177°34.5'W. | 1762 | 1700 | 1427 | 1352 | 1271 | 1141 | 1173 | 975 | 980 | 914 | 919 | 958 | 1009 | 984 | 981 | 783 | 931 | 817 | 951 | 945 | 871 | 809 | 526 | 185 | 157 | | | | | |
| Alcan Harbor 52°44.0'N., 174°04.5'W. | 1795 | 1733 | 1460 | 1385 | 1304 | 1174 | 1206 | 1008 | 1013 | 945 | 950 | 990 | 1044 | 1018 | 1015 | 830 | 1007 | 893 | 1036 | 1029 | 978 | 920 | 604 | 33 | | | | | | |
| Massacre Bay 52°48.9'N., 174°15.6'W. | 1819 | 1756 | 1483 | 1408 | 1327 | 1197 | 1229 | 1031 | 1036 | 970 | 975 | 1015 | 1066 | 1040 | 1037 | 854 | 1034 | 921 | 1062 | 1056 | 991 | 934 | 632 | | | | | | | |
| St. Paul Island 57°07.6'N., 170°17.9'W. | 1317 | 1255 | 982 | 906 | 825 | 695 | 727 | 529 | 535 | 468 | 470 | 504 | 555 | 529 | 528 | 304 | 415 | 302 | 444 | 437 | 381 | 335 | | | | | | | | |
| Port Moller 55°59.0'N., 160°36.5'W. | 1469 | 1407 | 1134 | 1059 | 978 | 848 | 880 | 682 | 687 | 621 | 618 | 652 | 703 | 678 | 676 | 452 | 310 | 196 | 207 | 198 | 88 | | | | | | | | | |
| Meshik 56°56.5'N., 158°49.0'W. | 1477 | 1414 | 1141 | 1066 | 985 | 855 | 887 | 689 | 695 | 628 | 625 | 660 | 712 | 685 | 684 | 459 | 293 | 179 | 130 | 118 | | | | | | | | | | |
| Naknek 58°41.5'N., 157°16.0'W. | 1507 | 1442 | 1169 | 1094 | 1012 | 883 | 915 | 717 | 722 | 656 | 653 | 687 | 738 | 712 | 711 | 486 | 315 | 202 | 72 | | | | | | | | | | | |
| Dillingham 59°02.0'N., 158°29.0'W. | 1513 | 1448 | 1175 | 1100 | 1019 | 889 | 921 | 723 | 728 | 662 | 659 | 693 | 744 | 719 | 718 | 493 | 322 | 208 | | | | | | | | | | | | |
| Platinum 59°01.5'N., 161°52.0'W. | 1358 | 1296 | 1023 | 948 | 866 | 737 | 769 | 571 | 576 | 510 | 507 | 541 | 592 | 566 | 565 | 340 | 120 | | | | | | | | | | | | | |
| Bethel 60°49.0'N., 161°47.0'W. | 1472 | 1410 | 1137 | 1061 | 980 | 850 | 883 | 685 | 690 | 624 | 620 | 655 | 706 | 680 | 679 | 454 | | | | | | | | | | | | | | |
| Hooper Bay 61°29.0'N., 166°04.0'W. | 1058 | 995 | 722 | 647 | 566 | 436 | 468 | 270 | 276 | 209 | 200 | 235 | 286 | 260 | 259 | | | | | | | | | | | | | | | |
| Apoon Pass 63°02.6'N., 163°22.3'W. | 1010 | 947 | 674 | 599 | 518 | 388 | 420 | 222 | 228 | 229 | 116 | 85 | 88 | 53 | | | | | | | | | | | | | | | | |
| St. Michael 63°32.4'N., 161°54.8'W. | 1007 | 945 | 672 | 596 | 515 | 385 | 417 | 219 | 225 | 230 | 110 | 59 | 35 | | | | | | | | | | | | | | | | | |
| Unalakleet 63°53.0'N., 160°50.0'W. | 1025 | 963 | 690 | 615 | 534 | 404 | 436 | 238 | 244 | 254 | 126 | 66 | | | | | | | | | | | | | | | | | | |
| Golovnin Bay 64°22.3'N., 163°06.7'W. | 961 | 899 | 626 | 551 | 470 | 340 | 372 | 174 | 179 | 197 | 62 | | | | | | | | | | | | | | | | | | | |
| Nome 64°29.0'N., 165°26.0'W. | 901 | 839 | 566 | 490 | 409 | 279 | 312 | 114 | 119 | 139 | | | | | | | | | | | | | | | | | | | | |
| Savoonga 63°43.0'N., 170°27.0'W. | 912 | 850 | 577 | 502 | 420 | 291 | 323 | 125 | 151 | | | | | | | | | | | | | | | | | | | | | |
| Port Clarence 65°17.1'N., 166°24.5'W. | 846 | 783 | 510 | 435 | 354 | 223 | 255 | 57 | | | | | | | | | | | | | | | | | | | | | | |
| CAPE PRINCE OF WALES 65°37.6'N., 168°31.5'W. | 787 | 725 | 452 | 377 | 296 | 166 | 198 | | | | | | | | | | | | | | | | | | | | | | | |
| Deering 66°06.0'N., 162°44.0'W. | 794 | 732 | 458 | 383 | 302 | 172 | | | | | | | | | | | | | | | | | | | | | | | | |
| Point Hope 68°21.0'N., 167°18.0'W. | 621 | 560 | 286 | 211 | 130 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Point Lay 68°21.0'N., 163°08.0'W. | 496 | 434 | 161 | 86 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wainwright 70°40.0'N., 160°00.0'W. | 412 | 350 | 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Barrow 71°18.0'N., 156°48.0'W. | 337 | 274 | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Barter Island 70°09.0'N., 143°40.0'W. | 62 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Distances are in nautical miles

Yukon River, Alaska Distances**Table 36**

| From Apoon Pass (63°02.6'N., 163°22.3'W.) | |
|--|-------|
| Hamilton | 22 |
| Azacharak | 85 |
| Pilot Station | 115 |
| Marshall | 153 |
| Russian Mission | 195 |
| Paimiut | 231 |
| Holy Cross | 257 |
| Anvik | 292 |
| Kaltag | 409 |
| Nulato | 438 |
| Koyukuk | 453 |
| Galena | 481 |
| Ruby | 526 |
| Kokrines | 556 |
| Tanana | 628 |
| Rampart | 688 |
| Stevens | 762 |
| Beaver | 835 |
| Fort Yukon | 896 |
| Circle | 959 |
| Coal Creek | 1,002 |
| Nation | 1,047 |
| Eagle | 1,089 |
| Alaska-Canada Boundary | 1,099 |
| Fortymile, Canada | 1,149 |
| Dawson, Canada | 1,197 |

Distances are in nautical miles

Miscellaneous Tables

Table for Estimating Time of Transit

| Distance | Speed (knots) | | | | | | | | | | | | | | | | | |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 |
| Nautical miles | days/ hours | days/ hours | days/ hours | days/ hours | days/ hours | days/ hours | days/ hours | days/ hours | days/ hours | days/ hours | days/ hours | days/ hours | days/ hours | days/ hours | days/ hours | days/ hours | days/ hours | days/ hours |
| 10 | 0/1 | 0/1 | 0/1 | 0/1 | 0/1 | 0/1 | 0/1 | 0/1 | 0/1 | 0/1 | 0/1 | 0/1 | 0/1 | - | - | - | - | - |
| 20 | 0/3 | 0/2 | 0/2 | 0/2 | 0/2 | 0/2 | 0/1 | 0/1 | 0/1 | 0/1 | 0/1 | 0/1 | 0/1 | 0/1 | 0/1 | 0/1 | 0/1 | 0/1 |
| 30 | 0/4 | 0/3 | 0/3 | 0/3 | 0/2 | 0/2 | 0/2 | 0/2 | 0/2 | 0/2 | 0/2 | 0/2 | 0/2 | 0/1 | 0/1 | 0/1 | 0/1 | 0/1 |
| 40 | 0/5 | 0/4 | 0/4 | 0/4 | 0/3 | 0/3 | 0/3 | 0/3 | 0/3 | 0/2 | 0/2 | 0/2 | 0/2 | 0/2 | 0/2 | 0/2 | 0/2 | 0/2 |
| 50 | 0/6 | 0/6 | 0/5 | 0/5 | 0/4 | 0/4 | 0/4 | 0/3 | 0/3 | 0/3 | 0/3 | 0/3 | 0/3 | 0/2 | 0/2 | 0/2 | 0/2 | 0/2 |
| 60 | 0/8 | 0/7 | 0/6 | 0/5 | 0/5 | 0/5 | 0/4 | 0/4 | 0/4 | 0/4 | 0/3 | 0/3 | 0/3 | 0/3 | 0/3 | 0/3 | 0/3 | 0/2 |
| 70 | 0/9 | 0/8 | 0/7 | 0/6 | 0/6 | 0/5 | 0/5 | 0/5 | 0/4 | 0/4 | 0/4 | 0/4 | 0/4 | 0/3 | 0/3 | 0/3 | 0/3 | 0/3 |
| 80 | 0/10 | 0/9 | 0/8 | 0/7 | 0/7 | 0/6 | 0/6 | 0/5 | 0/5 | 0/5 | 0/4 | 0/4 | 0/4 | 0/4 | 0/4 | 0/3 | 0/3 | 0/3 |
| 90 | 0/11 | 0/10 | 0/9 | 0/8 | 0/8 | 0/7 | 0/6 | 0/6 | 0/6 | 0/5 | 0/5 | 0/5 | 0/5 | 0/4 | 0/4 | 0/4 | 0/4 | 0/4 |
| 100 | 0/13 | 0/11 | 0/10 | 0/9 | 0/8 | 0/8 | 0/7 | 0/7 | 0/6 | 0/6 | 0/6 | 0/5 | 0/5 | 0/5 | 0/5 | 0/4 | 0/4 | 0/4 |
| 200 | 1/1 | 0/22 | 0/20 | 0/18 | 0/17 | 0/15 | 0/14 | 0/13 | 0/13 | 0/12 | 0/11 | 0/11 | 0/10 | 0/10 | 0/9 | 0/9 | 0/8 | 0/8 |
| 300 | 1/14 | 1/9 | 1/6 | 1/3 | 1/1 | 0/23 | 0/21 | 0/20 | 0/19 | 0/18 | 0/17 | 0/16 | 0/15 | 0/14 | 0/14 | 0/13 | 0/13 | 0/12 |
| 400 | 2/2 | 1/20 | 1/16 | 1/12 | 1/9 | 1/7 | 1/5 | 1/3 | 1/1 | 1/0 | 0/22 | 0/21 | 0/20 | 0/19 | 0/18 | 0/17 | 0/17 | 0/16 |
| 500 | 2/15 | 2/8 | 2/2 | 1/21 | 1/18 | 1/14 | 1/12 | 1/9 | 1/7 | 1/5 | 1/4 | 1/2 | 1/1 | 1/0 | 0/23 | 0/22 | 0/21 | 0/20 |
| 600 | 3/3 | 2/19 | 2/12 | 2/7 | 2/2 | 1/22 | 1/19 | 1/16 | 1/14 | 1/11 | 1/9 | 1/8 | 1/6 | 1/5 | 1/3 | 1/2 | 1/1 | 1/0 |
| 700 | 3/16 | 3/6 | 2/22 | 2/16 | 2/10 | 2/6 | 2/2 | 1/23 | 1/20 | 1/17 | 1/15 | 1/13 | 1/11 | 1/9 | 1/8 | 1/6 | 1/5 | 1/4 |
| 800 | 4/4 | 3/17 | 3/8 | 3/1 | 2/19 | 2/14 | 2/9 | 2/5 | 2/2 | 1/23 | 1/20 | 1/18 | 1/16 | 1/14 | 1/12 | 1/11 | 1/9 | 1/8 |
| 900 | 4/17 | 4/4 | 3/18 | 3/10 | 3/3 | 2/21 | 2/16 | 2/12 | 2/8 | 2/5 | 2/2 | 1/23 | 1/21 | 1/19 | 1/17 | 1/15 | 1/14 | 1/12 |
| 1000 | 5/5 | 4/15 | 4/4 | 3/19 | 3/11 | 3/5 | 2/23 | 2/19 | 2/15 | 2/11 | 2/8 | 2/5 | 2/2 | 2/0 | 1/21 | 1/19 | 1/18 | 1/16 |
| 2000 | 10/10 | 9/6 | 8/8 | 7/14 | 6/23 | 6/10 | 5/23 | 5/13 | 5/5 | 4/22 | 4/15 | 4/9 | 4/4 | 3/23 | 3/19 | 3/15 | 3/11 | 3/8 |
| 3000 | 15/15 | 13/21 | 12/12 | 11/9 | 10/10 | 9/15 | 8/22 | 8/8 | 7/20 | 7/8 | 6/23 | 6/14 | 6/6 | 5/23 | 5/16 | 5/10 | 5/5 | 5/0 |
| 4000 | 20/20 | 18/21 | 16/16 | 15/4 | 13/21 | 12/20 | 11/22 | 11/3 | 10/10 | 9/19 | 9/6 | 8/19 | 8/8 | 7/22 | 7/14 | 7/6 | 6/23 | 6/16 |
| 5000 | 26/1 | 23/4 | 20/20 | 18/23 | 17/9 | 16/1 | 14/21 | 13/21 | 13/1 | 12/6 | 11/14 | 10/23 | 10/10 | 9/22 | 9/11 | 9/1 | 8/16 | 8/8 |
| 6000 | 31/6 | 27/19 | 25/0 | 22/17 | 20/20 | 19/6 | 17/21 | 16/16 | 15/15 | 14/17 | 13/21 | 13/4 | 12/12 | 11/22 | 11/9 | 10/21 | 10/10 | 10/0 |

Determination of Wind Speed by Sea Condition

| Miles per hour | Knots | Descriptive | Sea Conditions | Wind Force (Beaufort) | Probable Wave Height (feet) |
|----------------|-------|-----------------|--|-----------------------|-----------------------------|
| 0-1 | 0-1 | Calm | Sea smooth and mirror like | 0 | - |
| 1-3 | 1-3 | Light Air | Scale-like ripples without foam crests | 1 | ¼ |
| 4-7 | 4-6 | Light Breeze | Small, short wavelets; crests have a glassy appearance and do not break. | 2 | ½ |
| 8-12 | 7-10 | Gentle Breeze | Large wavelets; some crests begin to break; foam has glassy appearance. Occasional white foam crests. | 3 | 2 |
| 13-18 | 11-16 | Moderate Breeze | Small waves, become longer; fairly frequent white foam crests. | 4 | 4 |
| 19-24 | 17-21 | Fresh Breeze | Moderate waves, taking a more pronounced long form; many white foam crests; there may be some spray. | 5 | 6 |
| 25-31 | 22-27 | Strong Breeze | Large waves begin to form; white foam crests are more extensive everywhere; there may be some spray. | 6 | 10 |
| 32-38 | 28-33 | Near Gale | Sea heaps up and white foam from breaking waves begin to be blown in streaks along the direction of the wind; spindrift begins. | 7 | 14 |
| 39-46 | 34-40 | Gale | Moderately high waves of greater length; edges of crests break into spindrift; foam is blown in well-marked streaks along the direction of the wind. | 8 | 18 |
| 47-54 | 41-47 | Strong Gale | High waves; dense streaks of foam along the direction of the wind; crests of waves begin to topple, tumble and roll over; spray may reduce visibility. | 9 | 23 |
| 55-63 | 48-55 | Storm | Very high waves with long overhanging crests. The resulting foam in great patches is blown in dense white streaks along the direction of the wind. On the whole, the surface of the sea is white in appearance. The tumbling of the sea becomes heavy and shock-like. Visibility is reduced. | 10 | 29 |
| 64-72 | 56-63 | Violent Storm | Exceptionally high waves that may obscure small and medium-sized ships. The sea is completely covered with long white patches of foam lying along the direction of the wind. Everywhere the edges of the wave crests are blown into froth. Visibility is reduced. | 11 | 37 |
| 73+ | 64+ | Hurricane | The air is filled with foam and spray. Sea completely white with driving spray; visibility is very much reduced. | 12 | 45 |

State Abbreviations

| | |
|----------------------|----|
| Alabama | AL |
| Alaska | AK |
| American Samoa | AS |
| Arizona | AZ |
| Arkansas | AR |
| California | CA |
| Canada | CN |
| Colorado | CO |
| Connecticut | CT |
| Delaware | DE |
| District of Columbia | DC |
| Florida | FL |
| Georgia | GA |
| Guam | GU |
| Hawaii | HI |
| Idaho | ID |
| Illinois | IL |
| Indiana | IN |
| Iowa | IA |
| Kansas | KS |
| Kentucky | KY |
| Louisiana | LA |
| Maine | ME |
| Maryland | MD |
| Marshall Islands | MH |
| Massachusetts | MA |
| Michigan | MI |
| Minnesota | MN |

| | |
|--------------------------|----|
| Mississippi | MS |
| Missouri | MO |
| Montana | MT |
| Nebraska | NE |
| Nevada | NV |
| New Hampshire | NH |
| New Jersey | NJ |
| New Mexico | NM |
| New York | NY |
| North Carolina | NC |
| North Dakota | ND |
| Northern Mariana Islands | MP |
| Ohio | OH |
| Oklahoma | OK |
| Oregon | OR |
| Pennsylvania | PA |
| Puerto Rico | PR |
| Rhode Island | RI |
| South Carolina | SC |
| South Dakota | SD |
| Tennessee | TN |
| Texas | TX |
| United States | US |
| Utah | UT |
| Vermont | VT |
| Virgin Islands | VI |
| Virginia | VA |
| Washington | WA |
| West Virginia | WV |
| Wisconsin | WI |
| Wyoming | WY |

Conversion Factors

| Known Value | Multiply By | Unknown Value |
|------------------------|-------------------------|------------------------|
| inches | 25.40 | millimeters |
| | 2.540 | centimeters |
| centimeters | 0.032808 | feet |
| feet | 30.48 | centimeters |
| | 0.3048 | meters |
| | 0.00016458 | nautical miles |
| yard | 0.9144 | meters |
| meters | 3.2808 | feet |
| | 1.094 | yards |
| | 0.0005399 | nautical miles |
| statute miles | 0.86897 | nautical miles |
| | 1.6093 | kilometers |
| | 1,609.3 | meters |
| nautical miles | 1.151 | statute miles |
| square feet | 0.0929 | square meters |
| | 0.00002296 | acres |
| square meters | 10.764 | square feet |
| | 0.0002471 | acres |
| acres | 4,046.9 | square meters |
| | 43,560 | square feet |
| | 0.404685 | hectare |
| hectare | 2.471054 | acres |
| | 10,000 | square meters |
| | 1.07639x10 ⁵ | square feet |
| fathoms | 1.8288 | meters |
| meters | 0.54681 | fathoms |
| | 3.2808 | feet |
| feet | 0.3048 | meters |
| feet per second | 0.5925 | knots |
| | 0.6818 | miles per hour |
| | 30.48 | centimeters per second |
| statute miles per hour | 0.8689 | knots |
| | 1.467 | feet per second |
| | 0.447 | meters per second |
| knots | 1.151 | miles per hour |
| | 0.5144 | meters per second |
| | 1.6878 | feet per second |
| centimeters per second | 0.01944 | knots |
| | 0.02237 | miles per hour |
| | 0.032808 | feet per second |
| grams | 0.035275 | ounces |
| | 0.002205 | pounds |
| ounces | 28.349 | grams |
| pounds | 0.45359 | kilograms |
| short tons | 2,000 | pounds |
| | 0.89286 | long tons |
| | 0.9072 | metric tons |

| | | |
|----------------------|---------|---------------------|
| long tons | 2,240 | pounds |
| | 1.12 | short tons |
| | 1.016 | metric tons |
| metric tons | 1,000 | kilograms |
| | 0.9842 | long tons |
| | 1.1023 | short tons |
| | 2,204.6 | pounds |
| barrels (petroleum) | 42 | gallons (US) |
| | 158.99 | liters |
| barrels (liquid, US) | 31.5 | gallons (US) |
| | 26.229 | gallons (British) |
| | 119.24 | liters |
| gallons (US) | 0.02381 | barrels (petroleum) |
| | 3.7854 | liters |
| liters | 0.26417 | gallons (US) |

Measurements and Equivalencies

| Unit | Equivalency |
|--------------------------|---|
| nautical mile | 1,852 meters |
| | 6,076.12 feet |
| statute mile | 5,280 feet |
| | 1,609.3 meters |
| | 1.6093 kilometers |
| cable | 0.1 nautical mile (CN) |
| | 720 feet (US) |
| fathom | 6 feet |
| | 1.8288 meters |
| foot | 0.3048 meter |
| inch | 2.54 centimeters |
| meter | 39.37 inches |
| | 3.281 feet |
| | 1.0936 yards |
| kilometer | 1,000 meters |
| knot | 1.6877 feet per second |
| | 0.5144 meters per second |
| miles per hour (statute) | 1.466 feet per second |
| | 0.44704 meters per second |
| acre | 43,560 square feet 4,046.82 square meters |
| pound (avoirdupois) | 453.59 gram |
| gram | 0.0022046 pound (avoirdupois) 0.035274 ounce |
| short ton | 2,000 pounds |
| long ton | 2,240 pounds |
| metric ton | 2,204.6 pounds |
| kilogram | 2.2 pounds |
| liter | 1.0567 quarts |
| barrel (petroleum) | 42 gallons (US) |

Appendix

Sales Information

NOAA publications, nautical charts and unclassified National Geospatial-Intelligence Agency (NGA) nautical charts are sold by authorized sales agents in many U.S. ports and in some foreign ports. Information on obtaining charting products and a listing of authorized agents can be found at www.nauticalcharts.noaa.gov.

Products and Services—NOAA

Reporting corrections to NOAA Nautical Publications

Users are requested to report all significant discrepancies or additions to NOAA navigational products, including depth information in privately maintained channels and basins; obstructions, wrecks, and other dangers; new, relocated, or demolished landmarks; uncharted fixed private aids to navigation; deletions or additions of small-craft facilities and any other information pertinent to safe navigation. This information may be submitted using the NOAA Office of Coast Survey website www.nauticalcharts.noaa.gov/customer-service/assist/.

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Nautical Charts

NOAA maintains the nautical charts and publications for the coast of the United States and the Great Lakes. Over a thousand charts cover 95,000 miles of shoreline and 3.4 million square nautical miles of water. Access to charts, publications and chart catalogs is available through www.nauticalcharts.noaa.gov.

Dates of Latest Editions

Information concerning the dates of latest editions for the full suite of NOAA's nautical charts and U.S. Coast Pilot volumes can be found at www.nauticalcharts.noaa.gov/mcd/dole.htm.

U.S. Coast Pilots

U.S. Coast Pilot 1—Atlantic Coast: Eastport to Cape Cod

U.S. Coast Pilot 2—Atlantic Coast: Cape Cod to Sandy Hook

U.S. Coast Pilot 3—Atlantic Coast: Sandy Hook to Cape Henry

U.S. Coast Pilot 4—Atlantic Coast: Cape Henry to Key West

U.S. Coast Pilot 5—Gulf Coast, Puerto Rico and Virgin Islands

U.S. Coast Pilot 6—Great Lakes: Lakes Ontario, Erie, Huron, Michigan, Superior and St. Lawrence River

U.S. Coast Pilot 7—Pacific Coast: California

U.S. Coast Pilot 8—Alaska: Dixon Entrance to Cape Spencer

U.S. Coast Pilot 9—Alaska: Cape Spencer to Beaufort Sea

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Marine Weather Forecasts

Scheduled coastal marine forecasts are issued four times daily by National Weather Service Offices. Further information on coastal marine forecasts and other types of forecasts is available at www.nws.noaa.gov/om/marine/forecast.htm.

Space Weather Prediction Center (SWPC)

The Space Weather Prediction Center provides real time monitoring and forecasting of solar and geophysical events that impact satellites, power grids, communications, navigation and many other technological systems.

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Nautical Charts

Apalachicola, Chattahoochee and Flint Rivers Navigation Charts, Alabama River Charts and Black Warrior-Tombigbee Rivers River Charts—available from the U.S. Army Corps of Engineers Mobile District for purchase in bound hard copy or as a free download in PDF at www.sam.usace.army.mil.

Flood Control and Navigation Maps of the Mississippi River, Cairo, Illinois to the Gulf Coast—available from the U.S. Army Corps of Engineers Memphis District as a free download in PDF at www.mvm.usace.army.mil.

Upper Mississippi River Navigation Charts (Mississippi River, Cairo, Illinois to Minneapolis, Minnesota) and Charts of the Illinois Waterway, from Mississippi River at Grafton, Illinois to Lake Michigan at Chicago and Calumet Harbors—available from the U.S. Army Corps of Engineers Rock Island District for purchase in hard copy format or as a free download in PDF at www.mvr.usace.army.mil.

Publications and Services

Local Notice to Mariners are posted weekly by the U.S. Coast Guard Navigation Center at www.navcen.uscg.gov. The National Geospatial-Intelligence Agency, U.S. Notice to Mariners are available at msi.nga.mil/NGAPortal/MSI.portal.

Special Notice to Mariners are issued annually in National Geospatial-Intelligence Agency Notice to Mariners 1. These notices contain important information of considerable interest to all mariners. Interested parties are advised to read these notices.

Light List—maintained by the United States Coast Guard and available online at www.navcen.uscg.gov.

List of Lights, Sailing Directions, Radio Navigational Aids (Pub. 117), American Practical Navigator (Pub. 9), International Code of Signals (Pub. 102) and Distance Between Ports (Pub 151)—issued by the National Geospatial-Intelligence Agency and available at msi.nga.mil/NGAPortal/MSI.portal.

The Nautical Almanac, the Air Almanac and Astronomical Almanac—available through the United States Naval Observatory—www.usno.navy.mil/USNO/astronomical-applications.

Marine Product Dissemination Information—maintained by the National Weather Service on the internet—www.nws.noaa.gov/om/marine/home.htm.

Navigation Rules and Regulations Handbook—publication produced by the United States Coast Guard Navigation Standards Branch, which contains International and Inland Rules of the Road and Navigation Regulations. Available for download or viewing at www.navcen.uscg.gov.

New York State Canal

The National Ocean Service provides chart coverage of the New York State Canal System from the Hudson River at Troy, New York, as far west as Lyons, New York—see National Oceanic and Atmospheric Administration Service Sales Information, above. Additional information on the canal system from Syracuse west to the Niagara River at Tonawanda, New York, is available on the New York State Canal Corporation website www.canals.ny.gov.

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