

# Kaneohe Bay: Navigational Aids and Patch Reef Locations



| Reef # | longitude  | latitude | Reef #          | longitude  | latitude |
|--------|------------|----------|-----------------|------------|----------|
| 1      | -157.78850 | 21.43070 | FRA             | -157.76634 | 21.4336  |
| 2      | -157.79449 | 21.43313 | FRA3            | -157.7679  | 21.4305  |
| 3      | -157.79300 | 21.43600 | FRB1            | -157.76913 | 21.4284  |
| 4      | -157.79800 | 21.43400 | FRB2            | -157.76982 | 21.4266  |
| 5      | -157.80000 | 21.43800 | FRB3            | -157.76913 | 21.4249  |
| 6      | -157.80500 | 21.44000 | FRC             | -157.77219 | 21.4199  |
| 7      | -157.79900 | 21.44200 | FRD             | -157.76918 | 21.4196  |
| 8      | -157.79400 | 21.44300 | FRE             | -157.77248 | 21.4177  |
| 9      | -157.80100 | 21.44600 | FRF             | -157.77803 | 21.415   |
| 10     | -157.80400 | 21.44600 | FRI             | -157.79035 | 21.429   |
| 11     | -157.79500 | 21.44900 | FRJ             | -157.79961 | 21.4294  |
| 12     | -157.79773 | 21.45051 | FRK             | -157.80825 | 21.4458  |
| 13     | -157.79500 | 21.45100 | FRM             | -157.82845 | 21.4608  |
| 14     | -157.80100 | 21.45300 | FRH             | -157.78838 | 21.4209  |
| 15     | -157.80324 | 21.45355 | FRK             | -157.80825 | 21.4458  |
| 16     | -157.80390 | 21.45447 | FRL2            | -157.81627 | 21.4568  |
| 17     | -157.81000 | 21.44800 | FRL1            | -157.81602 | 21.457   |
| 18     | -157.81100 | 21.45100 | PR49            | -157.83231 | 21.4834  |
| 19     | -157.80705 | 21.45802 | PR51            | -157.82999 | 21.4925  |
| 20     | -157.80970 | 21.46063 | SB1             | -157.8185  | 21.4693  |
| 21     | -157.81245 | 21.46290 | SBA             | -157.81494 | 21.4676  |
| 22     | -157.81350 | 21.46072 | SBB             | -157.80448 | 21.4606  |
| 23     | -157.81385 | 21.46173 | SBM1            | -157.80839 | 21.4616  |
| 24     | -157.81600 | 21.46200 | SBM2            | -157.81056 | 21.4647  |
| 25     | -157.82200 | 21.46100 | SBN             | -157.81884 | 21.471   |
| 26     | -157.81900 | 21.46600 | TurtleReef      | -157.82979 | 21.4753  |
| 27     | -157.82200 | 21.46700 |                 |            |          |
| 28     | -157.82000 | 21.46900 |                 |            |          |
| 29     | -157.82000 | 21.47000 |                 |            |          |
|        |            |          | Bouy            | Longitude  | Latitude |
| 30     | -157.82400 | 21.47100 |                 |            |          |
| 31     | -157.82600 | 21.47100 | B28             | -157.79050 | 21.44541 |
| 32     | -157.82645 | 21.47147 | B1              | -157.80782 | 21.44627 |
| 33     | -157.82941 | 21.47139 | B11             | -157.83025 | 21.48815 |
| 34     | -157.83300 | 21.47000 | B12             | -157.83221 | 21.48750 |
| 35     | -157.83500 | 21.47500 | B14             | -157.82896 | 21.47321 |
| 36     | -157.83400 | 21.47400 | B15             | -157.82625 | 21.47030 |
| 37     | -157.83490 | 21.47855 | B16             | -157.82625 | 21.47015 |
| 38     | -157.82930 | 21.47274 | B17             | -157.82363 | 21.46504 |
| 39     | -157.82668 | 21.47414 | B18             | -157.82188 | 21.46116 |
| 40     | -157.82342 | 21.47336 | B2              | -157.80932 | 21.44828 |
| 41     | -157.82300 | 21.47500 | B20             | -157.81207 | 21.45603 |
| 42     | -157.82500 | 21.47700 | B21             | -157.80368 | 21.45344 |
| 43     | -157.82700 | 21.47700 | B22             | -157.89395 | 21.44589 |
| 44     | -157.83200 | 21.47700 | B23             | -157.79095 | 21.44618 |
| 45     | -157.83648 | 21.47912 | B25             | -157.78881 | 21.41333 |
| 46     | -157.83400 | 21.48000 | B26             | -157.78659 | 21.43722 |
| 47     | -157.83200 | 21.48100 | B7              | -157.82625 | 21.47030 |
| 48     | -157.83445 | 21.48093 | B9              | -157.79244 | 21.44958 |
| 50     | -157.82787 | 21.48648 | Intersect. Buoy | -157.79463 | 21.44819 |
| 52     | -157.83400 | 21.49300 | N Rangemarker   | -157.83293 | 21.49765 |
| 53     | -157.83620 | 21.49370 | S Rangemarker   | -157.83280 | 21.49581 |
| 54     | -157.83800 | 21.49200 | W Rangemarker   | -157.83631 | 21.49259 |