

Final Tidal Zoning for OPR-O351-RA-99 Yakutat Bay, AK - Sheet H-10902

Note: See second graphic for time and range correctors in small zones.

945-3196 DISENCHANTMENT BAY

UNITED STATES
ALASKA - SOUTH COAST
YAKUTAT BAY

VERTICAL DATUM BY U.S. SP457
North American Datum of 1983
Mean Sea Level System 1983
SOUNDINGS BY BATHYMETRIC
SURVEY MADE BY U.S. NAVY
AT NEAR LOW LOW WATER

HEIGHTS
Vertical, and horizontal, by the National Ocean Service
Chart No. 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000

945-3178 RUSSELL FJORD

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NOTE C
Reference to any of the numbered soundings on this chart should be made to the appropriate depth soundings on the chart. Soundings on this chart are in fathoms.

NOTE D
This chart is based on the hydrographic survey of the Alaska coast from 1850 to 1860, and on the hydrographic survey of the Alaska coast from 1860 to 1880, and on the hydrographic survey of the Alaska coast from 1880 to 1900, and on the hydrographic survey of the Alaska coast from 1900 to 1920, and on the hydrographic survey of the Alaska coast from 1920 to 1940, and on the hydrographic survey of the Alaska coast from 1940 to 1960, and on the hydrographic survey of the Alaska coast from 1960 to 1980, and on the hydrographic survey of the Alaska coast from 1980 to 2000.

CONVERSION TABLE

Feet	Fathoms	Meters
1	0.136	0.305
2	0.272	0.610
3	0.408	0.914
4	0.544	1.219
5	0.680	1.524
6	0.816	1.829
7	0.952	2.134
8	1.088	2.438
9	1.224	2.743
10	1.360	3.048
11	1.496	3.353
12	1.632	3.658
13	1.768	3.963
14	1.904	4.268
15	2.040	4.573
16	2.176	4.878
17	2.312	5.183
18	2.448	5.488
19	2.584	5.793
20	2.720	6.098
21	2.856	6.403
22	2.992	6.708
23	3.128	7.013
24	3.264	7.318
25	3.400	7.623
26	3.536	7.928
27	3.672	8.233
28	3.808	8.538
29	3.944	8.843
30	4.080	9.148
31	4.216	9.453
32	4.352	9.758
33	4.488	10.063
34	4.624	10.368
35	4.760	10.673
36	4.896	10.978
37	5.032	11.283
38	5.168	11.588
39	5.304	11.893
40	5.440	12.198
41	5.576	12.503
42	5.712	12.808
43	5.848	13.113
44	5.984	13.418
45	6.120	13.723
46	6.256	14.028
47	6.392	14.333
48	6.528	14.638
49	6.664	14.943
50	6.800	15.248

CA11
Time Corrector 0 mins
Range Corrector x1.00
Reference 945-3220

LORAN-C GENERAL EXPLANATION

CLASSIFICATION
CLASSIFICATION SYMBOLS
CLASSIFICATION SYMBOLS
CLASSIFICATION SYMBOLS

RATES ON THIS CHART
7960-X 7960-Y

CAUTION
This chart is based on the hydrographic survey of the Alaska coast from 1850 to 1860, and on the hydrographic survey of the Alaska coast from 1860 to 1880, and on the hydrographic survey of the Alaska coast from 1880 to 1900, and on the hydrographic survey of the Alaska coast from 1900 to 1920, and on the hydrographic survey of the Alaska coast from 1920 to 1940, and on the hydrographic survey of the Alaska coast from 1940 to 1960, and on the hydrographic survey of the Alaska coast from 1960 to 1980, and on the hydrographic survey of the Alaska coast from 1980 to 2000.

LORAN-C OVERPRINTED 16761

Final Tidal Zoning for OPR-O351-RA-99 Yakutat Bay, AK - Sheet H-10902



UNITED STATES
- SOUTH COAST
YAKUTAT BAY

Scale: 1:50,000 at Lat. 59°45'
Datum: American Datum of 1983
System: Geodetic System 1984
Units: SOUNDINGS IN FATHOMS
(AND FEET TO 11 FATHOMS)
IN LOWER LOW WATER

HEIGHTS
Feet above Mean High Water.

AUTHORITIES
Surveyed by the National Ocean Service,
with additional data from the U.S.

HORIZONTAL DATUM
Reference datum of this chart is North
American Datum of 1983 (NAD 83) which for charting
purposes is equivalent to the World Geodetic
System of 1984. Geographic positions referred to
the datum of 1927 must be corrected an
amount of 5.985' westward to agree

945-3196 DISENCHANTMENT BAY

CA13
Time Corrector 0 mins
Range Corrector x1.00
Reference 945-3196

CA16
Time Corrector +42 mins
Range Corrector x0.89
Reference 945-3196

CA12
Time Corrector 0 mins
Range Corrector x1.02
Reference 945-3196

CA17
Time Corrector -48 mins
Range Corrector x1.19
Reference 945-3178

CA18
Time Corrector -30 mins
Range Corrector x1.09
Reference 945-3178

CA19
Time Corrector -12 mins
Range Corrector x1.03
Reference 945-3178

CA11
Time Corrector 0 mins
Range Corrector x1.00
Reference 945-3220

CA20
Time Corrector 0 mins
Range Corrector x1.00
Reference 945-3178

CA15
Time Corrector +24 mins
Range Corrector x0.96
Reference 945-3196

CA14
Time Corrector +12 mins
Range Corrector x1.00
Reference 945-3196

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Survey Limits H-10902, RA 10-11-99 Sheet A

