

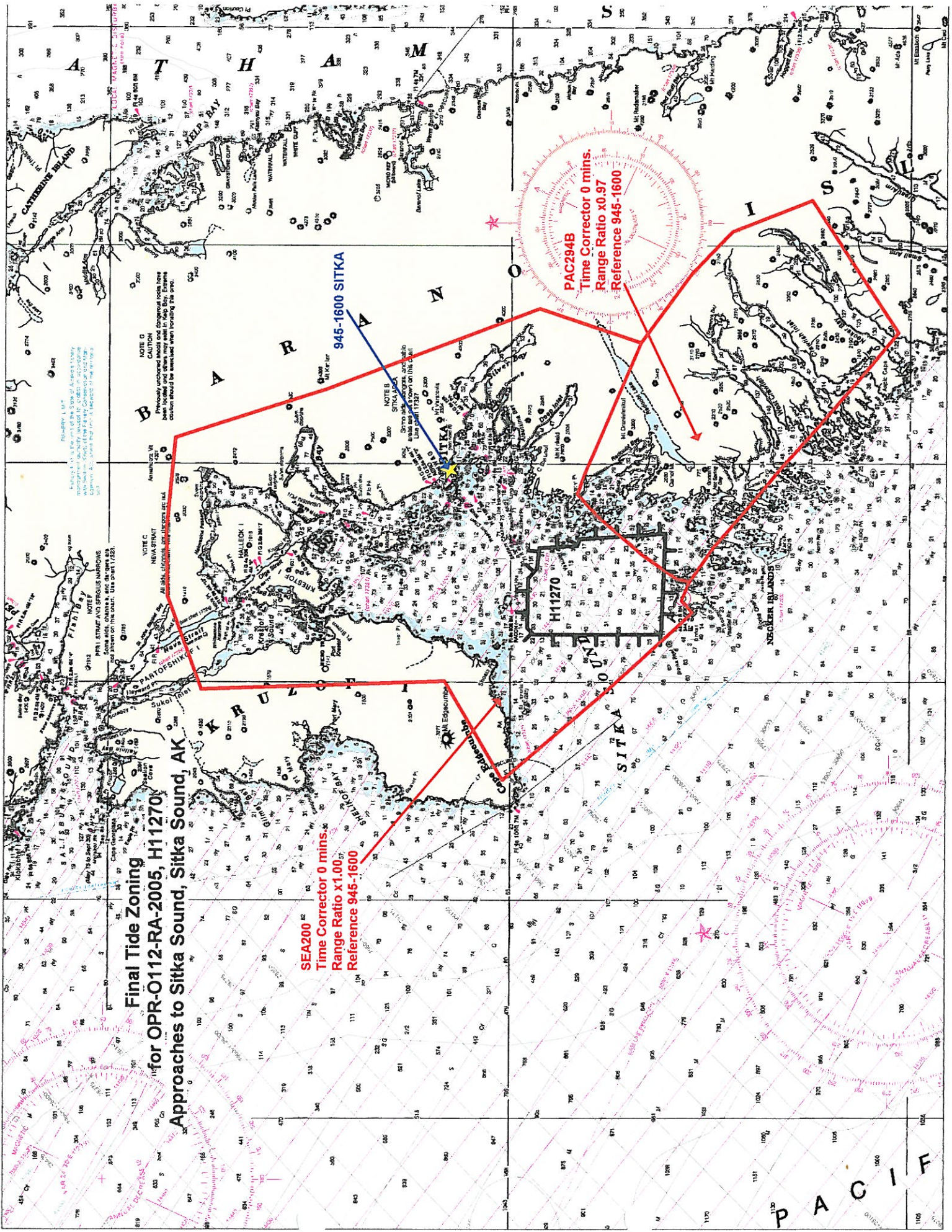
-135.148538 56.891767
-135.345146 56.937479
-135.37942 56.944575
-135.413912 56.927046
-135.472042 56.890618

**Final Tide Zoning
for OPR-O112-RA-2005, H11270
Approaches to Sitka Sound, Sitka Sound, AK**

**SEA200
Time Corrector 0 mins.
Range Ratio x1.00
Reference 945-1600**

945-1600 SITKA

**PAC294B
Time Corrector 0 mins.
Range Ratio x0.97
Reference 945-1600**



H11270 HCell Report
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Introduction

The primary purpose of the HCell is to provide new survey information in International Hydrographic Organization (IHO) format S-57 to update the largest ENC and RNC in the region: NOAA ENC, US5AK3VM, and NOAA RNC, 17326.

HCell compilation of survey H11207 utilized Office of Coast Survey HCell Specifications Version 3.1, with approved modifications to better align with PHB's HCell process and to meet MCD needs.

1. Compilation Scale

The density of soundings and features, surveyed at 1:10,000, are compiled as appropriate to emulate those of Chart 17326, 1:40,000.

2. Soundings

A survey-scale sounding (SOUNDG) feature object layer was built from the 10-meter combined surface in CARIS BASE Editor. A shoal-biased selection was made at the 1:10,000 survey scale using a radius table file with values shown in the table, below. The resultant sounding layer contains 23,287 depths ranging from 0 to 234 meters.

Upper limit (m)	Lower limit (m)	Radius (mm)
0	10	3
10	20	4
20	50	4.5
50	345	5

Radius Table

In CARIS BASE Editor soundings were manually selected from the high density sounding layer and imported into a new layer created to accommodate chart density depths. Manual selection was used to accomplish a density and distribution that closely represents the seafloor morphology.

3. Depth Areas and Depth Contours

3.1 Depth Areas

The Base Surface H11270_10m_combined.bag was used to auto generate a depth area. This depth area was cropped to junction with HCells that have been previously compiled, including H11130, H11135, and H11271.