

NOAA Nautical Charting Calendar

Source Diagrams

The Source Diagram shows the limits of the most recently available hydrographic surveys evaluated for a chart. Its purpose is to provide mariners one measure of the uncertainty of charted depths as they plan a voyage. Source Diagrams are provided on NOAA traditional paper charts, Print-on-Demand charts, and Raster Navigational Charts of scale 1:500,000 and larger. They are revised as new hydrographic source documents are evaluated.

In the Diagram, a blue tint fill highlights areas of 100 percent bottom coverage. All other water areas are white. Survey limits are not shown in areas where hydrography is not charted. Surveys are identified by year, surveying organization, and by the classification scheme:

A. Surveys used side scan sonar or multibeam technology and differential GPS positioning.

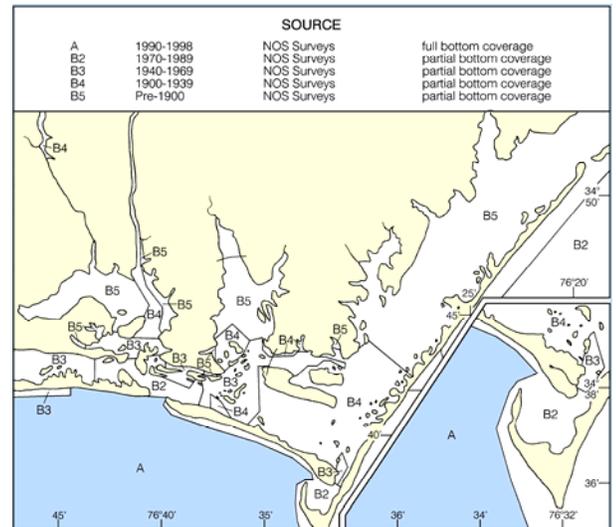
B1. Surveys used single beam echo sounder technology and may utilize differential GPS positioning.

B2. Partial bottom coverage was achieved using single beam echo sounder technology and primarily electronic positioning.

B3. Partial bottom coverage was achieved using single beam echo sounder technology and primarily visual positioning.

B4. Partial bottom coverage was achieved using primarily lead line technology and visual positioning.

B5. Partial bottom coverage was achieved using primarily lead line technology and visual positioning.



In Electronic Navigational Charts the Zone of Confidence in Data (ZOC)¹ parameter serves a similar purpose. However a ZOC has minimum quantitative criteria for position and depth accuracy and seafloor coverage. Also, ZOC is a charting standard - not just a survey standard. ZOC categories refer to errors of the final depicted soundings including both survey errors and also errors introduced in chart production.

SUNDAY		MONDAY		TUESDAY		WEDNESDAY		THURSDAY		FRIDAY		SATURDAY	
Prepared by the Office of Coast Survey, National Ocean Service, NOAA, www.NauticalCharts.NOAA.gov , 1-301-713-2770.										1	2		
Note: Add your information to the Calendar using Adobe Reader 7 or later. The tools are found at the Tools -> Commenting, and Tools -> Drawing Markup features of Adobe Reader.													
3	4	5	6	7	8	9							
10	11	12	13	14	15	16							
17	18	19	20	21	22	23							
24	25	26	27	28	29	30							
31	¹ See the following for more details on ZOCs http://www.iho.shom.fr/PUBLICATIONS/IHO_Download.htm then click on "S-57 Supplement No 2 to Edition 3.1 (June 2009 - incorporates the former Supplement No 1)."												