DISCUSSION

Bathymetric contours were generated at 10-m intervals from the merged 2-m bathymetric surface. The most continuous contour segments were preserved; smaller segments and isolated island polygons were excluded from the final output. The contours were generated from bathymetry data collected by Fugro Pelagos and by California State University, Monterey Bay in 2007–2010. Bathymetric contours were added to shaded-relief imagery. Note that the ripple patterns and straight lines that are apparent within the map area are a result of the hillshading process.

Processed soundings from the different mapping missions were exported from the acquisition or processing software as XYZ files and bathymetric surfaces. All the surfaces were merged into one overall 2-m-resolution data set. Soundings were corrected for vessel motion using the Applanix POS MV data, for variations in water-temperature profiles, and between X and Y directions on the same plotter, and paper may change size due to atmospheric conditions; therefore, scale and proportions may not be true on plots of this map.

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Shaded-Relief Bathymetry, Offshore of Point Reyes Map Area, California

By
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Onshore-area image was generated by applying an illumination having an azimuth of 300° and from 45° above the horizon was then applied to the bathymetric surface to create the shaded-relief imagery. Note that the ripple patterns and straight lines that are apparent within the map area are a result of the hillshading process.

Bathymetric contours were generated at 10-m intervals from the merged 2-m bathymetric surface. The most continuous contour segments were preserved; smaller segments and isolated island polygons were excluded from the final output. The contours were generated from bathymetry data collected by Fugro Pelagos and by California State University, Monterey Bay in 2007–2010. Bathymetric contours were added to shaded-relief imagery. Note that the ripple patterns and straight lines that are apparent within the map area are a result of the hillshading process.

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