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Published by the American Geophysical Union as part of the Special Publications Series. Tectonic, Climatic, and Cryospheric Evolution of the Antarctic Peninsula presents the analysis of data collected during the SHALDRIL program, which sampled the most complete Cenozoic stratigraphic section in the Antarctic Peninsula. The stratigraphic intervals sampled fill major gaps in the existing stratigraphic record in the region, which is believed to have been the last place in Antarctica to become fully glaciated and, as such, the last refugium for plants and animals living on the