CMECS Geoform Component Map of Upper West Arm, Glacier Bay National Park and Preserve, Alaska

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This map shows the primary morphologic features within the West Arm, Glacier Bay National Park and Preserve. The CMECS classification scheme was used to categorize the marine benthic environment into four depth zones: shallow infralittoral (0–5 m), deep infralittoral (5–100 m), circalittoral (100–200 m), and infralittoral (200–1,000 m). The map highlights the distribution of various geoform components, such as terraces, morainal banks, push moraines, and complexes composed of multiple moraines. Geoforms were manually selected from the multibeam sonar data collected in 2009 during NOAA NOS hydrographic surveys. The map was created using ArcGIS software and was published by the U.S. Geological Survey in 2013.