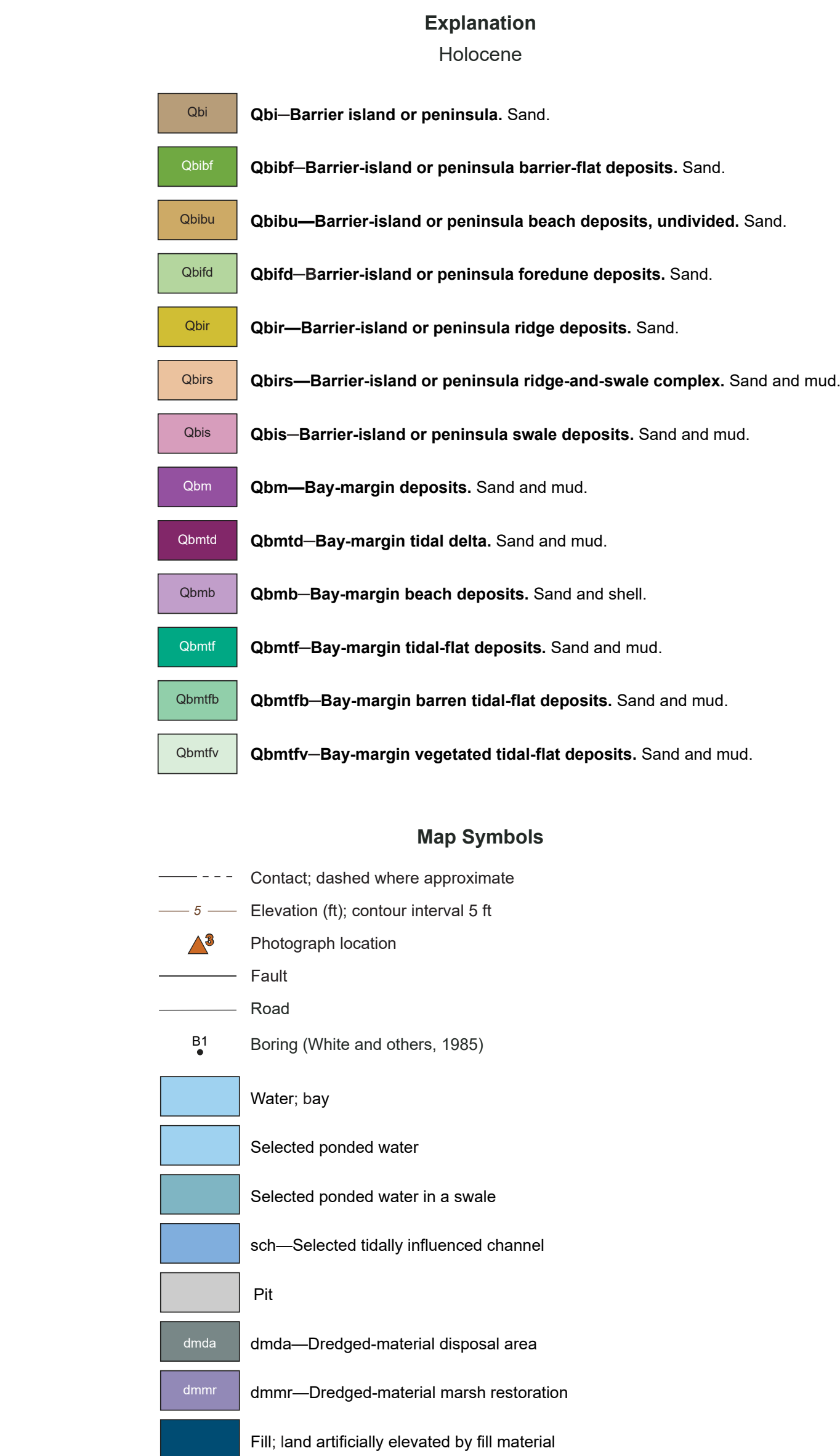




Acknowledgments

Photography used in the study was 50-cm-resolution, natural-color, Texas Orthoimage Program digital imagery photographed in 2015 and 1-m-resolution, natural-color, National Agriculture Imagery Program digital imagery photographed in 2016. The aerial photography was processed by the Texas A&M University Geomatics Engineering Center. Photography was supplemented by a 1-m-cell-size digital elevation model (DEM) constructed from topographic data acquired during an airborne lidar survey flown by the Bureau of Economic Geology (Bureau) in 2002 and an airborne lidar survey flown by the U.S. Army Corps of Engineers in 2016. The DEM was derived from the following sources: 1982, the 1:25,000-scale Environmental Geologic Atlas, Galveston-Houston Sheet (Fishler and others, 1972); and the 1:25,000-scale Description of Wetlands and Benthic Macroinvertebrates map (White and others, 1985). The DEM was also supplemented by the 1:25,000-scale Digital Elevation Model (DEM) derived from the same source. The topography were adapted from USGS topographic data obtained from TRNRS. Digital files of roads were also obtained from TRNRS. Water bodies were identified from aerial photographs and the lidar-derived DEM. Aerial photographs were processed by the Texas A&M University Geomatics Engineering Center. The DEM was processed by the Texas A&M University Geomatics Engineering Center. The DEM was processed by the Texas A&M University Geomatics Engineering Center.

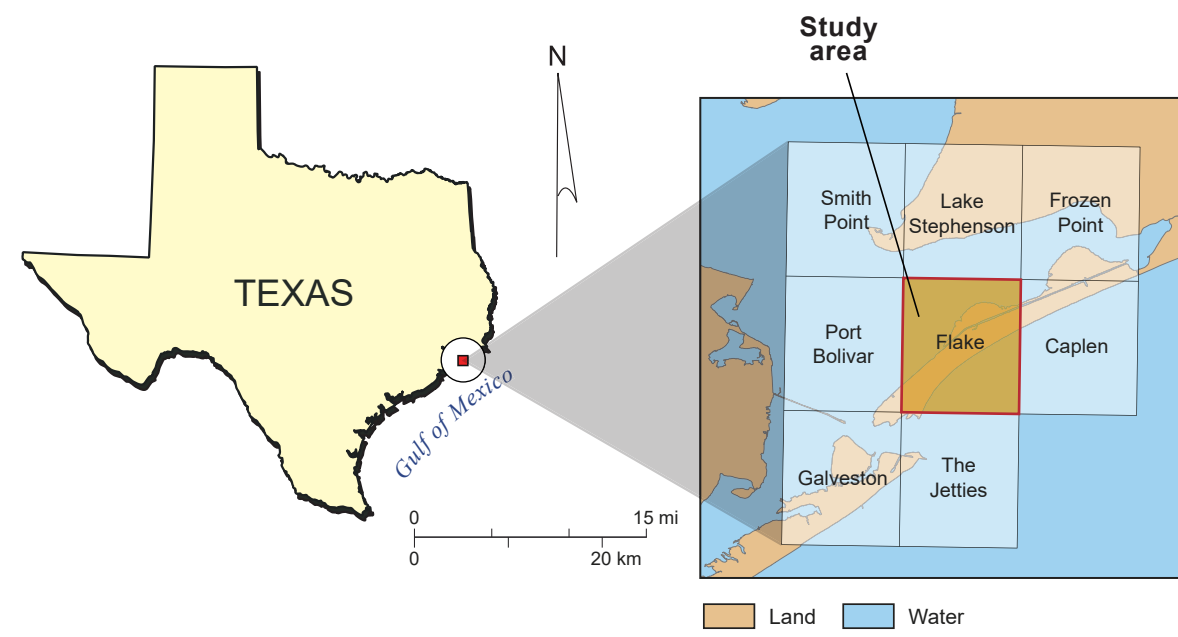
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Selected References

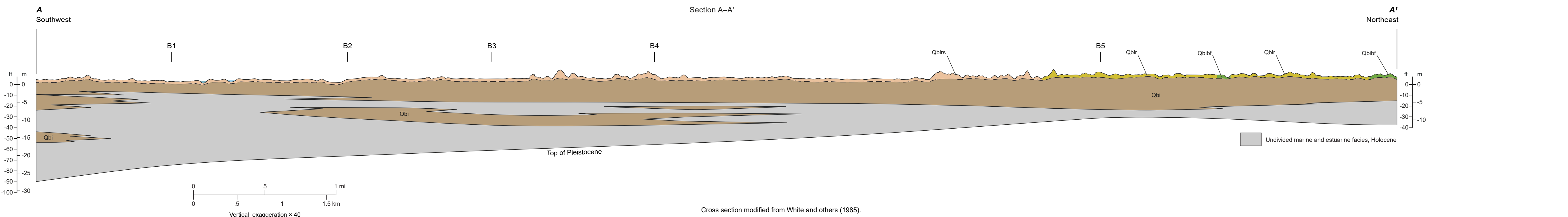
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2019



Photograph 1. Ridge-and-swale complex within the Bolivar Flats area of Bolivar Peninsula. Ridges are covered with upland grasses and shrubs. The lower-elevation swales include ponds and wetland environments.



Photograph 2. Large water-filled swale within barrier-island ridge-and-swale complex adjacent to Rettilon Road in the Bolivar Flats area.



Photograph 3. Barrier-flat deposits covered with upland grasses and shrubs adjacent to bay-margin deposits covered with saltwater-marsh plant assemblages along Bay Road on Bolivar Peninsula.



Photograph 4. Water-filled swale within barrier-island ridge-and-swale complex along Monkhouse Drive on Bolivar Peninsula.



Photograph 5. Barrier-island beach and foredune deposits along the Gulf of Mexico shoreline on Bolivar Peninsula.



Photograph 6. Barrier-island accretionary ridge adjacent to salt-marsh vegetation on bay-margin deposits along Bob Road on Bolivar Peninsula.