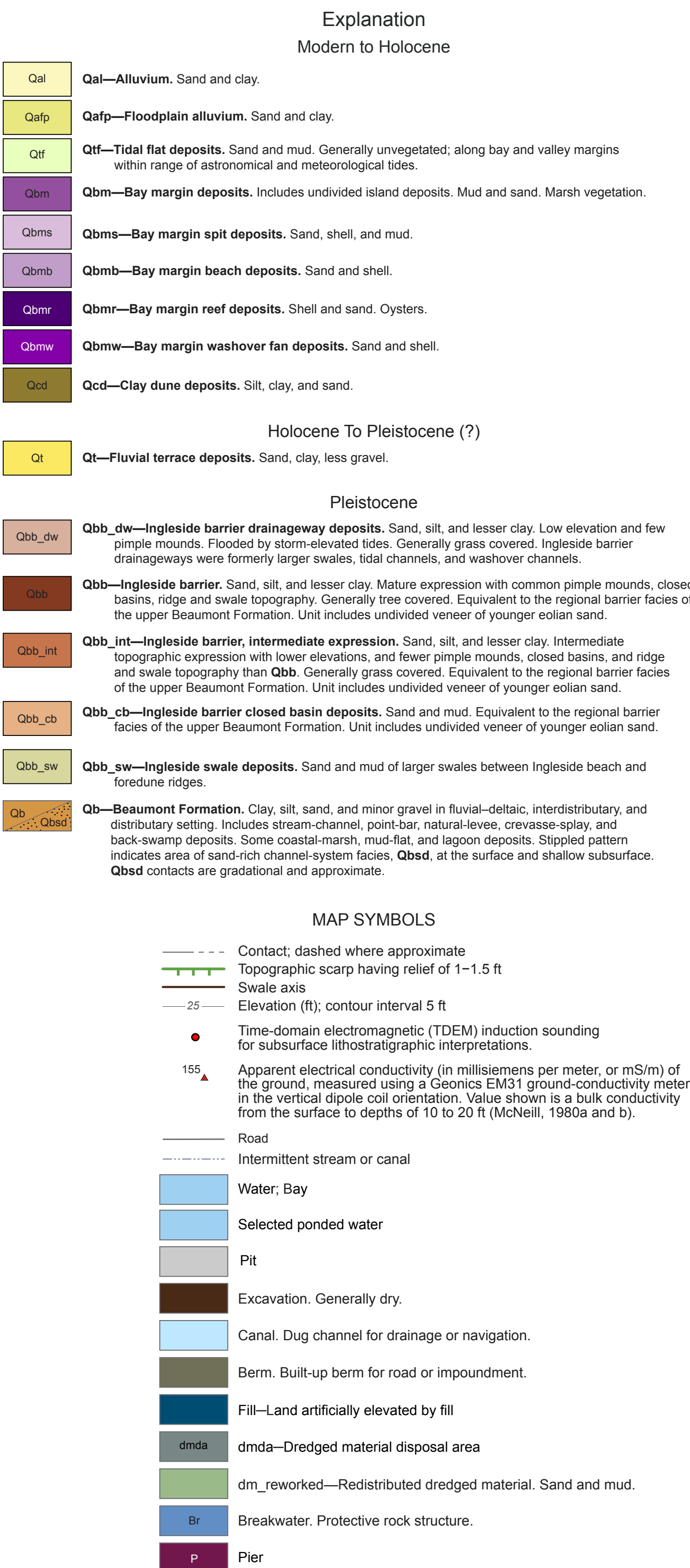
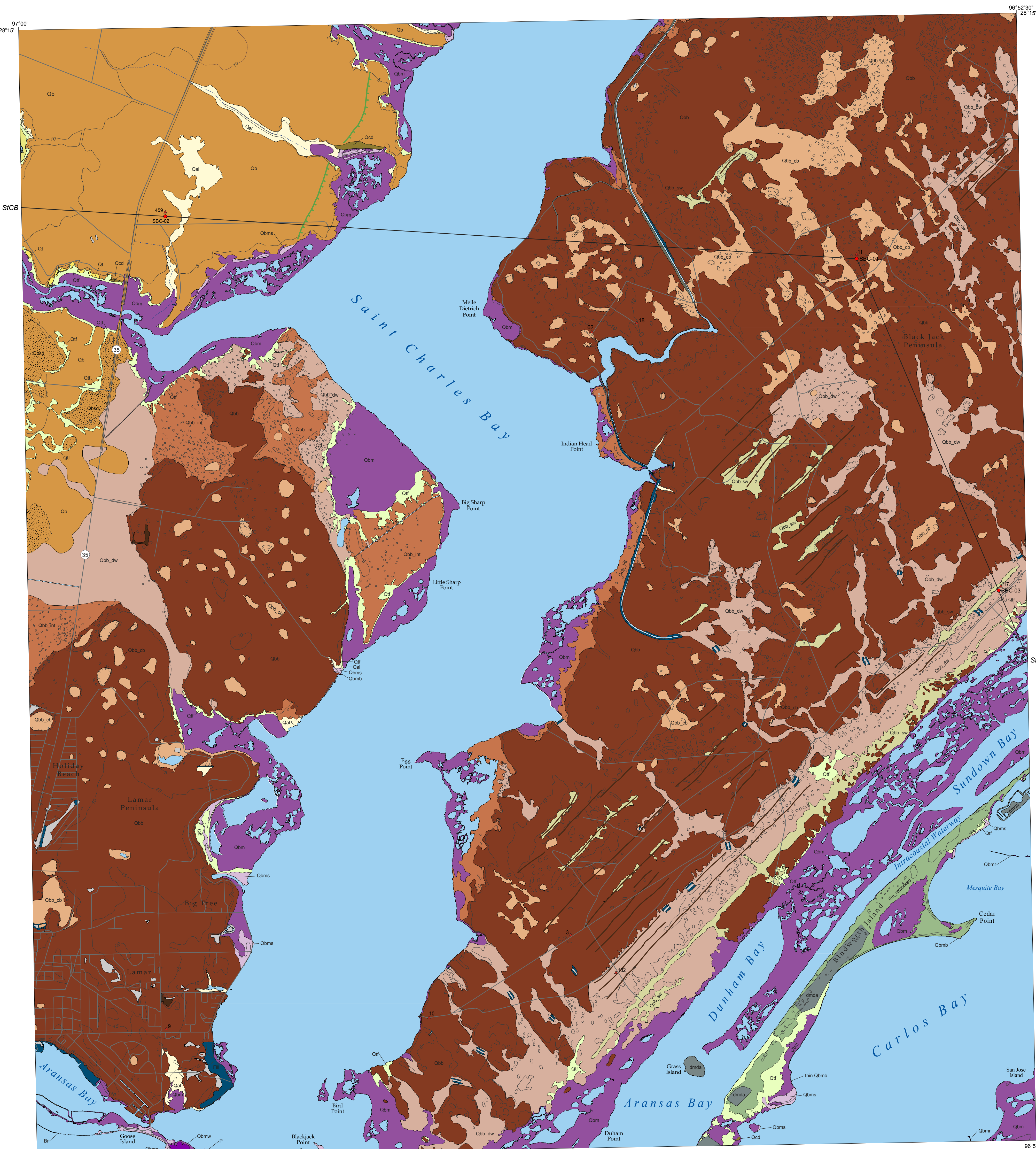




Photography used and reviewed in the study was 1-m-pixel digital imagery, photographed in 2014. Photography was obtained from Texas Natural Resources Information System (TNRIS). A 1-m-resolution digital elevation model (DEM) constructed from data from a 2013 airborne lidar survey acquired by the Bureau of Economic Geology was also studied. Previous regional maps that cover this area include the 1:125,000-scale Environmental Geologic Atlas, Port Lavaca Sheet (McGowen and others, 1976), the 1:125,000-scale Distribution of Wetlands and Benthic Macroinvertebrates (White and others, 1983), and the 1:250,000-scale Geologic Atlas of Texas, Beeville–Bay City Sheet (Aronow and others, 1975; revised 1987). The study included field observations of surficial deposits and collection and study of ground-based electromagnetic conductivity measurements and TDEM induction sounding measurements for subsurface lithostratigraphic interpretations. The 1:250,000-scale interpretations of the Beeville–Bay City Sheet are displayed in digital data files developed by the Texas Water Development Board and U.S. Geological Survey as part of the 1:250,000-scale Statewide Digital Geologic Atlas of Texas created from hard-copy maps. Digital files for general topography adapted to this map came from TNRIS for U.S. Geological Survey topographic quadrangle map, Saint Charles Bay. Digital files of roads were also obtained through TNRIS. Water bodies were adapted from aerial photographs, a lidar-derived DEM, and the U.S. Geological Survey topographic map. U.S. Fish and Wildlife Department Service staff member Joe Saenz, facilitated access to Aransas National Wildlife Refuge. Editing was by Stephanie Jones. Work for this map was supported partly by the U.S. Geological Survey National Cooperative Geological Mapping Program, with the assistance of STATEMAP award G15AC00250, and partly by BEG STARR funds for geologic mapping and study of geologic hazards. Views and conclusions contained in this map should not be interpreted as necessarily representing the official policies, either expressed or implied, of the U.S. government. The authors disclaim any responsibility or liability for interpretations from this map or digital data or decisions based thereon.

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Editing by Stephanie Jones

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GEOLOGIC MAP OF THE SAINT CHARLES BAY QUADRANGLE
TEXAS GULF OF MEXICO COAST

Jeffrey G. Paine and Edward W. Collins
2016

