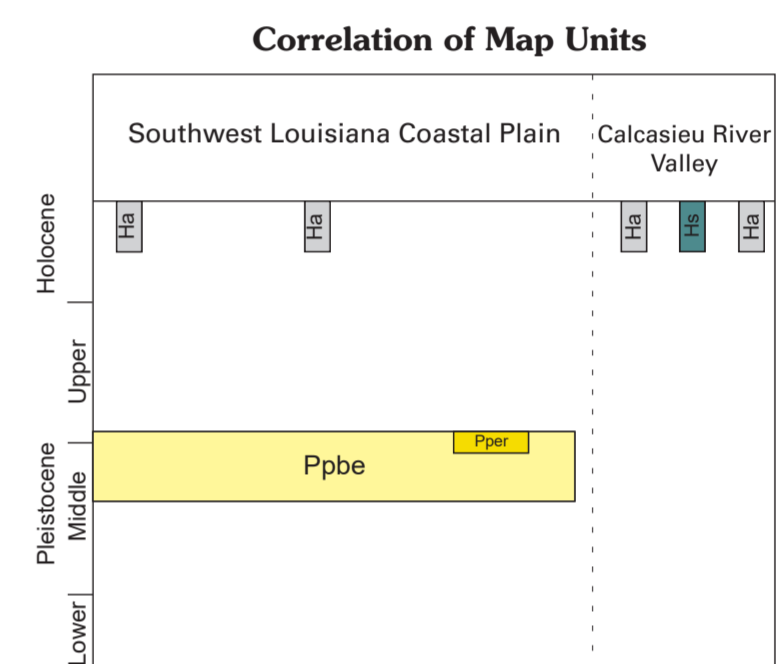


- QUATERNARY SYSTEM**
- HOLOCENE**
- Ha** Alluvium—undifferentiated deposits of small upland streams; alluvial deposits of minor streams and creeks, of varying textures, filling valleys incised into older deposits.
 - Hs** Small river deposits, undifferentiated—undifferentiated alluvial deposits consisting of natural levee, overbank, and abandoned channel sediments within the river valley.
- PLEISTOCENE**
- PRAIRIE ALLOGROUP**
- Ppbe** Beaumont Alloformation—coastal-plain deposits of late to middle Pleistocene streams, forming the oldest and topographically highest of the Prairie surfaces of southwestern Louisiana. The surface exhibits relict channels of the Red and Calcasieu River, and in adjoining quadrangles to the north it includes deposits of the Ingleside barrier trend (Houston Ridge).
 - Pper** Relict Pleistocene barrier ridge—alluvial remnants delineated on portions of the Beaumont Alloformation.
- Open Water, Inundated Area, Wetland**
- Contact**—includes inferred contacts.
- Normal fault**—Identity and existence certain, location accurate. Ball and bar on downthrown block.
- Concealed fault**—Identity and existence certain, location concealed. Ball and bar on downthrown block.
- Streams**
- Topographic Contours**



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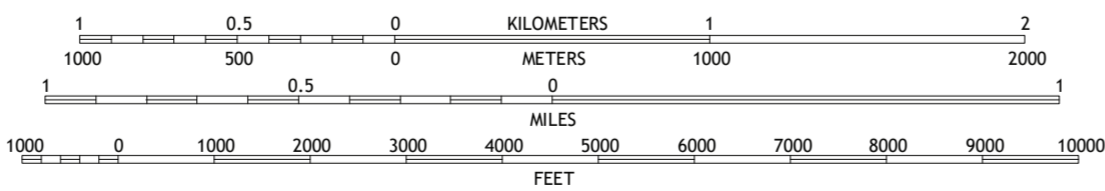
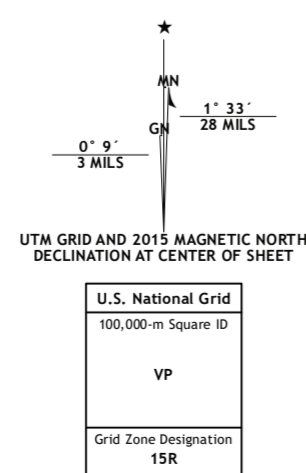
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Geology: Paul V. Heinrich and Richard P. McCulloh

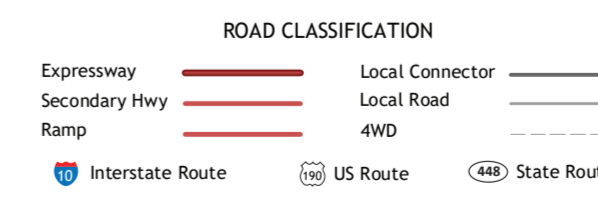
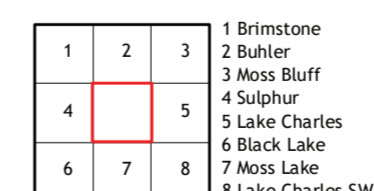
GIS Compilation: R. Hampton Peele, Richard P. McCulloh,
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Cartography: Lisa Pond and Robert Paulsell



SCALE 1:24,000

Base map from U.S. Geological Survey 1:24,000 GeoPDF
National Geospatial Program US Topo Product Standard, 2011.
Universal Transverse Mercator Projection, Zone 15
North American Datum 1983 (NAD 83)
Contour Interval 5 Feet
National Geodetic Vertical Datum 1988



Base Map.....United States Geological Survey, 2020
Boundaries.....LaDOTD, 2007
Contours.....National Elevation Dataset, 2008 - 2011
Hydrography.....National Hydrography Dataset, 2002 - 2017
Names.....GNIS, 1980 - 2017
Roads.....U.S. Census Bureau, 2017
Wetlands.....FWS National Wetlands Inventory 2021

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Geologic Map of the Westlake 7.5 minute quadrangle Calcasieu Parish, Louisiana