# Major Land Resource Area 153B
# Tidewater Area

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## Ecological site keys

## MLRA 153B - Tidewater Area

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Landscape : Marine Terrace Uplands - Positioned on a marine terrace or associated landforms. These sites do not include coastline and island landscapes. They may however include upper fluvio-marine terraces that are above the current dominant flooding regime.

- Landform : Upland flats and landforms with local topographic relief: knolls, ridges, crests, interstream divides, shoulders, slopes, and Bay rims
  - Soil Order: Predominantly psamments (sands)
    - Drainage : Dry sands, excessively drained to well drained, typic quartzipsamments. ... F153BY010NC – Dry Sands
    - Drainage : Moist sands on moderately well drained to somewhat poorly drained soils. ... F153BY020NC – Moist Sands
  - Soil Order: Predominantly Ultisols, but includes some alfisols, inceptisols, and mollisols.
    - Drainage : Dry, somewhat excessively drained to well drained.
      - Texture : Soil Texture Particle Size loamy. Includes fine-silty, fine-loamy, loamy, and coarse-loamy taxonomic textural families. ... F153BY030NC – Dry Loamy Rises and Flats
- Landform : Flats and Depressions: Areas characterized by a continuous surface that is smooth, even, or horizontal, or nearly so, including isolated depressions within the flat landscape matrix
  - Soil Order: Predominantly Ultisols, but includes some alfisols, inceptisols, and mollisols.
    - Drainage : Moist, moderately well drained to somewhat poorly drained.
      - Texture : Soil Texture Particle Size loamy. Includes fine-silty, fine-loamy, loamy, and coarse-loamy taxonomic textural families. ... F153BY040NC – Moist Loamy Rises and Flats
      - Texture : Soil Texture Particle Size clay. Includes the fine taxonomic textural family ... F153BY045NC – Moist Clay Rises and Flats

Drainage : Wet, poorly drained and very poorly drained. Some ponding.

Texture : Soil Texture Particle Size loamy. Includes fine-silty, fine-loamy, loamy, and coarse-loamy taxonomic textural families. ... F153BY060NC – Wet Loamy Flats and Depressions

Texture : Soil Texture Particle Size clay. Includes the fine taxonomic textural family ... F153BY065NC – Wet Clay Flats and Depressions

Soil Order: Spodosols

Drainage : Moist, moderately well to somewhat poorly drained. ... F153BY050NC – Moist Spodosol Rises and Flats

Drainage : Wet, poorly drained and very poorly drained. Some ponding. ... F153BY070NC – Wet Spodosol Flats and Depressions

Soil Order: Histosols ... F153BY080NC – Wet Organic Soil Flats and Depressions

Landscape : Riparian Zone - Positioned on a riparian landscape, including fluvial terraces and flood plains, connected directly to surface water and flooding.

Soil Order: Flooded, mineral soils include alfisols, entisols, and inceptisols ... F153BY090NC – Flooded Mineral Soil Flood Plains and Terraces

Soil Order: Flooded Histosols ... F153BY100NC – Flooded Organic Soil Flood Plains and Terraces

Landscape : Coastline - Positioned along a coastline landscape

Landform : Coastal strand, beach, dune, and dune slack

Drainage : Non-wet coastal sands, excessively drained to somewhat poorly drained. ... R153BY110NC – Coastal Strand, Beaches, and Dunes

Drainage : Poorly drained wet dune slack. ... R153BY120NC – Wet Dune Slack

Landform : Tidal Marsh

Soil Order: Tidal Marsh on mineral soils ... R153BY130NC – Tidal Marsh on Mineral Soil

Soil Order: Tidal Marsh on organic soils ... R153BY140NC – Tidal Marsh on Organic Soil

Landform : Subaqueous - *DISCLAIMER* - These sites are under development and will be updated and created following Coastal Zone Soil Survey mapping projects throughout this MLRA

Salinity : water salinity at these sites is typically greater than 0.5 but less than or equal to 5 parts per thousand ... R153BY220NC – Oligohaline estuarine subaqueous habitats

Salinity : water salinity at these sites is typically greater than 5 but less than or equal to 18 parts per thousand ... R153BY230NC – Mesohaline estuarine subaqueous habitats

Salinity : Water salinity at these sites is typically greater than 18 parts per thousand

... R153BY240NC – Saline estuarine subaqueous habitats