

se *Presence of sulfides*

This symbol indicates the presence of sulfides in mineral or organic horizons. Horizons with sulfides typically have dark colors (e.g., value ≤ 2.5 , chroma ≤ 2). These horizons typically form in soils associated with coastal environments that are permanently saturated or submerged (i.e., tidal marshes or estuaries), but they may also occur in other environments that have a source of sulfur to form sulfides. Such horizons may have a sulfide odor when first exposed to air. The presence of sulfides in soils may also have a geologic origin. Examples include soils formed in parent materials derived from coal deposits such as lignite or soils formed in coastal plain deposits such as glauconite that have not been oxidized because of thick layers of overburden.