



These photographs show a very strange beach feature that we see on our Gold Coast (Brisbane, Queensland, Australia) only four to five times a year. They form on the top of a welded shelf of sediment that washed ashore during a beach accretion episode. The photographs show them as exposed by a low-low spring tide where they are left "fully" exposed. We call these features "pot-holes" and they only form on the shelf between half to high tide. Photograph A (top) shows a field of pot-holes and photograph B (bottom), taken closer in, shows that they are associated with complex multi-directional ripple fields. Yet, the pot-holes only occur below their adjoining shelf sand levels and there are no interconnected water escape channels. How and why these strange surface structures form remains an enigma and we are completely baffled.