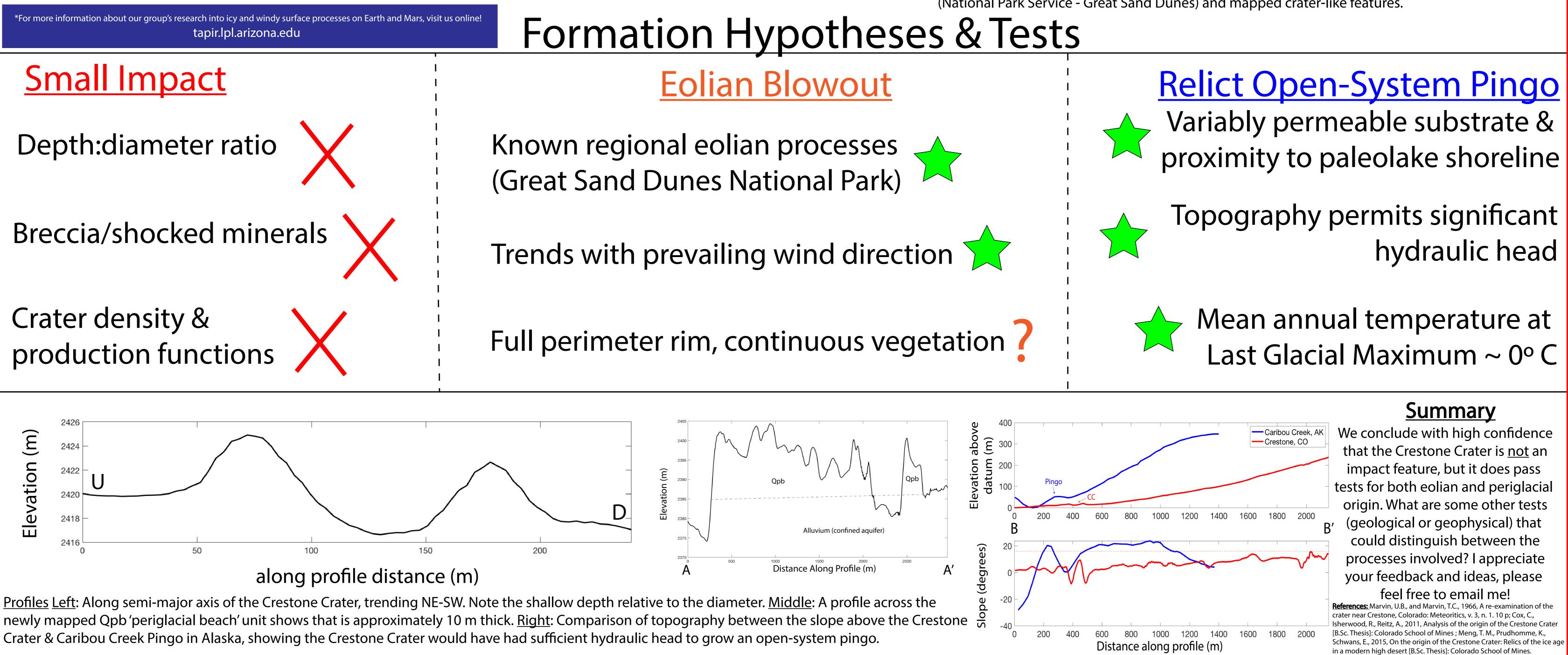


Previous investigations have disagreed between small impact origin, eolian blowout, or a relict permafrost pingo. How can we test these hypotheses through direct & indirect observation to conclusively characterize the formation mechanism(s)?



Figures: Left: Context map of the location of the Crestone Crater within the San Luis Valley and Colorado. GIS data obtained from Colorado Geological Survey, elevation data obtained from National Elevation Dataset. Middle Left: Hillshaded 1/9" DEM of Crestone Crater & nearby crater-like features. Data from National Elevation Dataset. Middle Right: Hillshaded map showing contour of paleo shoreline and location of topographic profiles. <u>Right</u>: Same extent as middle left showing Quaternary units (National Park Service - Great Sand Dunes) and mapped crater-like features.

