SQUID

Pile Dynamics, Inc.'s SQUID, a shaft quantitative inspection device, provides assessments of the bottom surface. It measures both the thickness of soft material or debris that might be covering the bearing strata and the strength of the bearing layer. It outputs strength versus penetration in numerical and graphical form. The SQUID Body includes quick attachment adaptors for different sized drill stems or Kelly bars. The device takes independent displacement measurements using three penetrometers. The displacement measurement begins with the first encounter of the layer. Signals from the penetrometers are digitally processed and wirelessly sent to the SQUID tablet, allowing the inspector to make an immediate decision to accept, clean out, or drill more.

—Pile Dynamics, Inc., www.piledynamics.com