

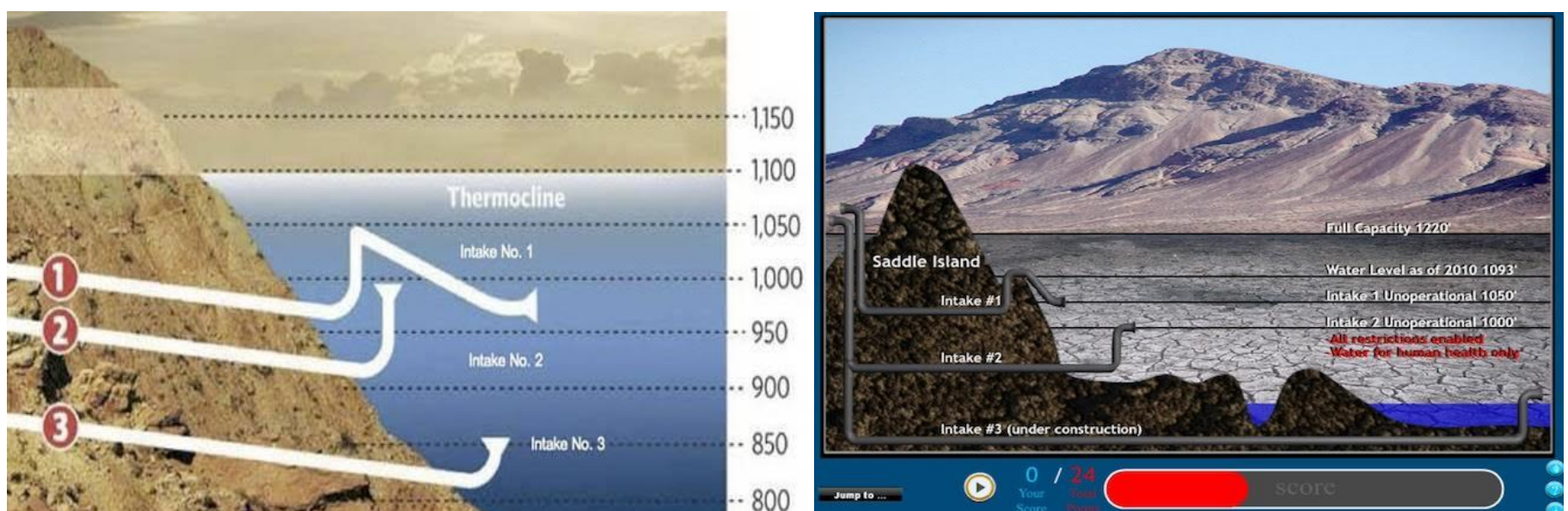
High Pressure Tunneling Under Lake Mead to Provide Water for Las Vegas

Jim Nickerson , Vegas Tunnel Constructors

Noah Hoefs , Southern Nevada Water Authority

Different Day and Place this time!

Thursday, September 17th at NOON in Marquee Hall, MZ 222
 – Lunch Provided –



As a result of the ongoing drought in the Colorado River basin and the decline of Lake Mead, the Southern Nevada Water Authority's existing intakes may become inoperable. A new and deeper intake tunnel reaching 3 miles beneath Lake Mead was planned and construction began in 2008. The presentation will review the major challenges encountered during construction of this record setting high face pressure tunnel (15 bar) excavated using a tunnel boring machine.



Jim has 32 years of service in the tunnel construction industry, building multiple projects in the USA and overseas. He has a wide-range of experience in small and large diameter underground projects in soft ground and rock tunneling. Project values ranged from \$50 million and over \$500 million. Jim is currently the Project Manager for Salini-Impregilo/ SA Healy “Vegas Tunnel constructors” on the Lake Mead Intake No. 3 Project in Southern Nevada.

Questions? Dig in with us at uct.mines.edu or contact us uct@mines.edu