**Tracy Research Technical Report Abstract**

***Tracy Technical Bulletin 2019-1***
Michael J. Horn. 2019. Nighttime Light Levels near the Proposed Brannan Island Fish Release Site. Tracy Fish Collection Facility Studies. Tracy Technical Bulletin 2019-1. Bureau of Reclamation, Mid-Pacific Region. 16 pp.

The purpose of this study was to evaluate light levels for a proposed Bureau of Reclamation fish release site on Brannan Island to determine if ambient light levels associated with a nearby highway bridge have the potential to impact fish. Light levels from the Highway 160 Bridge reached background night time levels of 0.0046 lux at a distance of 65 m. The effect of the artificial lights on fish residing in or released to the area immediately surrounding the release site are likely negligible. Moonlight is brighter than water surface light levels at the proposed release site. The only light of real significance on the bridge is associated with the mid-channel control house.