

To: deltacouncilSB@deltacouncil.ca.gov

Sent: Friday May 12, 6:54 PM, 2023

From: Dennis Baldocchi baldocchi@berkeley.edu

Subject: Subsidence Reversal

The report mentions soil rewetting rather than flooding. Flooding is needed to reduce O₂ diffusion to the soil to stop/reduce soil respiration. Soil rewetting per se may promote soil respiration and denitrification producing N₂O. Recent paper by Tyler Anthony and Whendee Silver in Nature Comms should be consulted--

Dennis Baldocchi
Executive Associate Dean, Rausser College of Natural Resources
Professor of Biometeorology
Dept of Environmental Science, Policy and Management
University of California, Berkeley
130 Mulford Hall
Berkeley, Ca
94520

Office 345 Hilgard
Email baldocchi@berkeley.edu
Phone, office 510 642 2874
Phone, cell 510 388 7172