This dataset contains the Keswick Reservoir temperature profile data collected by using remote logging thermistors (temperature loggers) attached to a cable system at the log boom above Keswick Dam in three monitoring seasons in 2017, 2018 and 2019. Field data monitoring installation was performed by U.S. Bureau of Reclamation (Reclamation), with support from Watercourse Engineering, Inc. (Watercourse) as part of the Shasta Lake and Keswick Reservoir Flow and Temperature Modeling study conducted by Watercourse in cooperation with Reclamation. All data were collected using HOBO Water Temperature Pro v2 Data Loggers and reported to 0.01oF.