Data were collected by the Pacific Northwest National Laboratory (PNNL) as part of Bonneville Power Administration (BPA) project 2002-027-000. These water temperate data were collected at six sites (total of 34 loggers) throughout the Lower Granite Pool between June 1 and December 2, 2004.

At each site several loggers were suspended vertically throughout the water column. Data were collected using either Onset Optical StowAways, with a stated accuracy of ±0.2°C, or SeaBird SBE39s, with a stated initial accuracy of ±0.002°C and stability of 0.0002°C per month. Onset logger accuracy was confirmed by PNNL by immersing the loggers in a constant temperature bath and using two check points. SeaBird loggers were confirmed by the manufacturer using NIST methods. All loggers were verified by PNNL both before and after deployment.

Temperature loggers at Sites 11 were vandalized and destroyed during the first third of the field season (June through July, 2005). Data during this period could not be retrieved at Site 11. Data at all other sites was successfully retrieved.

The horizontal datum for the site locations are in WGS-84. The vertical datum is mean sea level (NGVD29).

A PNNL report documenting the data collection plan, data analysis, and numerical modeling of Lower Granite Reservoir can be obtained by contacting:

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