

2017

Walker Lake Basin Data

Larry Benson

U.S. Geological Survey, great.basin666@gmail.com

Steve P. Lund

University of Southern California, slund@usc.edu

Follow this and additional works at: <https://digitalcommons.unl.edu/usgsdata>

 Part of the [Fresh Water Studies Commons](#), [Geochemistry Commons](#), [Hydrology Commons](#), and the [Sedimentology Commons](#)

Benson, Larry and Lund, Steve P., "Walker Lake Basin Data" (2017). *Data Sets for USGS Research*. 10.
<https://digitalcommons.unl.edu/usgsdata/10>

This Article is brought to you for free and open access by the US Geological Survey at DigitalCommons@University of Nebraska - Lincoln. It has been accepted for inclusion in Data Sets for USGS Research by an authorized administrator of DigitalCommons@University of Nebraska - Lincoln.

Walker Lake Basin Data

<u>Name</u>	<u>Date modified</u>	<u>Time modified</u>	<u>Size MB</u>	<u>Extension</u>
Walker Lake Core 84-8 isotope and age data.xls	27.01.2018	15:25:52	0.03	xls
Walker Lake core WL002 PSV age and chemical data.xlsx	09.02.2018	20:04:50	0.03	xlsx

In the Walker Lake Basin folder:

Depth, ^{14}C age (not corrected for reservoir effect), ^{18}O , ^{13}C data for core 84-8 are reported in:

Benson, L.V., 1988, Preliminary paleolimnologic data for the Walker Lake subbasin, California and Nevada: U.S. Geological Survey Water-Resources Investigations Report 87-4258, 50p. Palaeogeography, Palaeoclimatology, Palaeoecology, vol. 240, p. 497-507.

Depth, PSV age, TIC, ^{18}O , ^{13}C data for core WL002 are reported in:

Fasong Yuan, Braddock K. Linsley, Stephen S. Howe, Steve P. Lund, John P. McGeehin, 2006. Late Holocene lake-level fluctuations in Walker Lake, Nevada, USA.

PSV data are the unpublished work of Steve Lund at USC. The data in this table has been incorporated in a paper by Lund and Benson that is "in revision".

General Comment: In most cases an age model based on ^{14}C analyses is not included with the data sets although ones were created for the original publications. Given the general problems with ^{14}C ages in the lakes of the Great Basin, age models based on paleomagnetic secular variation (PSV) are much preferred. However the original ^{14}C data are included below so that the reader may create their own age models. Most of the calibrated ages in this data base have been done more recently than the times of original publication so they may not exactly match the dates in the publications.