

NorWeST Regional Database and Modeled Stream Temperatures
Instructions for Data Submissions

In order to accept your data for the NorWeST stream temperature regional database, we'll need your contact information (contributor name and email), as well as specific header information, including 1) site coordinates for the locations where temperature data were collected, 2) start and end dates for the temperature measurements within a year so that the data files can be truncated in the correct places, if the data are not already truncated, and 3) the filename that houses the raw data. Optional information such as stream name and site description (including the site's location relative to tribs), are also extremely helpful so that we can ensure the site is in the correct location. Please see Table 1 (Header Information) and Figure 1 (screen shot of our header file) for further reference.

For the stream temperature data, only *continuous, raw* (i.e., not instantaneous or summarized) data can be accepted. We are primarily interested in data from digital temperature loggers that recorded at least 10 measurements per day for a significant portion of a summer (i.e., at least one month of recording) or other seasonal period. We will not accept data from older temperature sensors that exist on paper rolls unless it has already been digitized and can be sent in that format. The data you send must include 1) date, 2) time, and 3) temperature (Celsius preferred; otherwise, will be converted to C) (Table 1, Required Temperature Data). Also note that the filename for the raw data file must match the filename in the header file (Figure 1).

We prefer the raw text files derived directly from the temperature sensors, but can also use the data if it already exists in Excel or other file formats. If the data are from Onset temperature sensors, they should be converted to text files within HoboTemp or BoxCar software. Also, if your data are already organized into a relational database like Access or Oracle, please contact us and we can discuss the details of a data transfer.

There are a few options in terms of sending your data. Perhaps the easiest way is to zip up your data and send via email. If the zip file is too large to email, another option is to use an FTP site, such as Utah State University's Big File Transfer site (<https://bft.usu.edu/>). To use USU's BFT site, go to the website and upload the data files (we suggest that you "zip" them first so that you only have to upload one file). Enter a short message describing the data and/or source, fill out the rest of the form, and "Submit Email." We will receive an email and a link, and can then download your data.

If you have additional questions on data submissions, please contact Sherry Wollrab (sherrywollrab@fs.fed.us; 208.373.4371) or Gwynne Chandler (glchandler@fs.fed.us; 208.373.4372).

Table 1.

Header Information: (* denotes required)

Source:

Name of contributor*

Agency/Company

Phone Number

Email*

Site:

Stream Name*

Number/code

Location description

Projection (UTM, Decimal Degree, Albers, etc.)*

Datum (NAD27 or NAD83)*

X coordinate*

Y coordinate*

UTM zone (if appropriate)

Logger Type & model

Date placed in water*

Time placed in water

Date recovered from water*

Time recovered from water

Filename of downloaded data*

Comments

Required Temperature Data: (filename must match filename for stream in header file)

Date

Time

Temperature (Celsius)

Figure 1.

Example of a header file: Filenames listed on the header sheet must match datafiles sent.

Stream Name	Description	SiteID	Sensor Type	X Coordinate	Y Coordinate	UTM Zone	Datum	DateIn	TimeIn	DateOut	TimeOut	Filename	Comments
Bannock Cr	On upstream side of bridge near campground	3025	Onset Tidbit	596088	4852648	11	NAD83	6/28/2007	12:23:29	9/10/2007	17:07:00	546081.csv	
Elk Creek		3030	Onset Tidbit	591112	4851507	11	NAD83	7/3/2007	12:57:02	9/15/2007	11:48:35	664775.csv	
GRIMES CR	lowest site	2301	Onset Tidbit	588369	4860947	11	NAD83	6/23/2007	12:58:11	9/11/2007	10:15:50	575305.csv	Floating at removal, check data
GRIMES CR	marked on field map	2303	Onset Tidbit	601069	4873922	11	NAD83	6/28/2007	10:43:49	9/15/2007	8:57:27	757571.csv	
GRIMES CR		2302	Onset Tidbit	592777	4870143	11	NAD83	6/23/2007	14:35:02	9/10/2007	3:17:12	760678.csv	
MACKS CR		2400	Onset Tidbit	581964	4847420	11	NAD83	6/23/2007	11:52:14	9/10/2007	4:19:35	763120.csv	
MORES CR		3037	Onset Tidbit	586023	4843256	11	NAD83	6/28/2007	12:58:32	9/10/2007	8:03:14	575316.csv	
MORES CR		2304	Onset Tidbit	601554	4859346	11	NAD83	6/28/2007	11:55:07	9/10/2007	8:36:12	664760.csv	
BROWNS CREEK		2305	Onset Tidbit	621322	4848605	11	NAD83	6/16/2007	11:47:11	9/16/2007	7:43:40	560748.csv	
BROWNS CREEK, trib		1010	Onset Tidbit	622473	4850697	11	NAD83	6/29/2007	12:31:34	9/16/2007	8:54:58	664766.csv	
COTTONWOOD		2435	Onset Tidbit	593280	4837833	11	NAD83	7/3/2007	11:01:43	9/18/2007	9:38:47	560671.csv	
COTTONWOOD		22	Onset Tidbit	594580	4835959	11	NAD83	7/3/2007	10:06:28	9/18/2007	1:37:52	569807.csv	
efk ROARING		71	Onset Tidbit	624496	4838401	11	NAD83	6/18/2007	16:46:13	9/24/2007	12:48:22	492307.csv	
efk ROARING		66	Onset Tidbit	623729	4839119	11	NAD83	6/18/2007	13:29:43	9/23/2007	13:30:39	560645.csv	

Name	Size	Type	Date Modified
492307.csv	163 KB	Microsoft Office Exc...	10/11/2007 7:16 PM
546081.csv	164 KB	Microsoft Office Exc...	10/11/2007 6:37 PM
560645.csv	164 KB	Microsoft Office Exc...	10/12/2007 1:59 PM
560671.csv	166 KB	Microsoft Office Exc...	10/12/2007 1:20 PM
560748.csv	164 KB	Microsoft Office Exc...	10/11/2007 6:57 PM
569807.csv	166 KB	Microsoft Office Exc...	10/12/2007 1:44 PM
575305.csv	166 KB	Microsoft Office Exc...	10/12/2007 2:26 PM
575316.csv	165 KB	Microsoft Office Exc...	10/11/2007 6:44 PM
664760.csv	165 KB	Microsoft Office Exc...	10/11/2007 6:05 PM
664766.csv	165 KB	Microsoft Office Exc...	10/11/2007 6:52 PM
664775.csv	167 KB	Microsoft Office Exc...	10/12/2007 1:27 PM
757571.csv	164 KB	Microsoft Office Exc...	10/11/2007 6:00 PM
760678.csv	167 KB	Microsoft Office Exc...	10/12/2007 9:24 AM
763120.csv	167 KB	Microsoft Office Exc...	10/12/2007 9:29 AM