

## 1.d. Data Set Description

The data sets produced by the sampling and analytical programs described in preceding sections have been placed into Excel files for each river. The format for the Excel files is shown below. This example was taken from the Excel file for the Maumee River and covers the period between 03/14/1998 12:00 and 03/18/1998 12:00. These date-times correspond to rows 9548 through 9553 in the Maumee River Excel file. For some sampling stations, the data sets contain more than 14,000 rows of data.

The units for each column are shown on the Excel files. Each column is described in more detail on the following page.

The Excel files are protected as downloaded from the this website.

### Source File: MaumeeData

	A	B	C	D	E	F	G	H	I	J
	Datetime (date and time of sample collection)	Days since 741001	Sample Time Window, days	Flow, CFS	SS, mg/L (suspended solids)	TP, mg/L as P	SRP, mg/L, as P	NO23, mg/L as N	TKN, mg/L (Total Kjeldahl nitrogen)	Chloride, mg/L
9548	03/14/1998 12:00	8565.50	0.67	11939.0	125.6	0.459	0.072	4.09	1.75	17.4
9549	03/15/1998 12:00	8566.50	0.83	9127.0	89.0	0.364	0.065	4.11	1.27	17.1
9550	03/16/1998 04:00	8567.17	0.50	7994.7	75.9	0.314	0.062	4.14	1.00	18.8
9551	03/16/1998 12:00	8567.50	0.67	7712.4	84.2	0.289	0.049	3.73	0.63	17.3
9552	03/17/1998 12:00	8568.50	1.00	5655.1	65.0	0.254	0.042	3.80	1.05	17.9
9553	03/18/1998 12:00	8569.50	0.67	6223.7	51.6	0.229	0.054	4.02	1.03	20.6

	A	B	C	D	E	F	G	H	I	J
	Datetime (date and time of sample collection)	Days since 741001	Sample Time Window, days	Flow, CFS	SS, mg/L (suspended solids)	TP, mg/L as P	SRP, mg/L, as P	NO23, mg/L as N	TKN, mg/L (Total Kjeldahl nitrogen)	Chloride, mg/L
9548	03/14/1998 12:00	8565.50	0.67	11939.0	125.6	0.459	0.072	4.09	1.75	17.4
9549	03/15/1998 12:00	8566.50	0.83	9127.0	89.0	0.364	0.065	4.11	1.27	17.1
9550	03/16/1998 04:00	8567.17	0.50	7994.7	75.9	0.314	0.062	4.14	1.00	18.8
9551	03/16/1998 12:00	8567.50	0.67	7712.4	84.2	0.289	0.049	3.73	0.63	17.3
9552	03/17/1998 12:00	8568.50	1.00	5655.1	65.0	0.254	0.042	3.80	1.05	17.9
9553	03/18/1998 12:00	8569.50	0.67	6223.7	51.6	0.229	0.054	4.02	1.03	20.6

**Column A – Datetime:** This column shows the date and time that the sample was collected. The format for the datetime column is mm/dd/yyyy hh:mm.

**Column B – Days since 10/01/74:** This column is an alternative date column that starts with the onset of the tributary loading program.

**Column C – Sample time window:** This column has units of days and reflects the duration of time that each sample is used to characterize the stream system. It is calculated as one half of the time interval between the following and preceding samples. For example in row 9550 the time window of 0.5 days represents one half of the time between 03/15/1998 12:00 (row 9549) and 03/16/1998 12:00 (row 9551).

**Column D – Flow:** This is the stream flow in cubic feet per second (cfs) for the Maumee River at the time of sample collection. It is derived from interim stage data provided by the U. S. Geological Survey. The stage data are converted to flow data using the U.S. Geological Survey rating table applicable to that time period.

**Column E – SS:** Suspended Solids concentration in mg/L

**Column F – TP:** Total Phosphorus concentration in mg/L (as P)

**Column G -- SRP:** Soluble Reactive Phosphorus concentration in mg/L (as P)

**Column H -- NO23:** Nitrate plus nitrite concentration in mg/L (as N) (Nitrite composes a very small fraction of the nitrate + nitrite mixture.)

**Column I -- TKN:** Total Kjeldahl Nitrogen concentration in mg/L (as N). TKN includes organic nitrogen plus ammonia in the whole water sample.

**Column J – CL:** Chloride concentration in mg/L (Note that some data files label this column as chloride.)