

US EPA ARCHIVE DOCUMENT

NCA Northeast Year 2004 Nutrients Data

These data have not passed final QA and should be considered provisional.

To download Ascii Text data files, select state, view data, then use your browser's "File" "Save As..." option. All data files are comma delineated CSV files.

To download SAS Export files in Zipped SAS Export Format, select from list then "Save it to disk". Several software packages are available to unzip files. The SAS software system is needed to process unzipped SAS XPORT files.

These datasets contain the results of Nutrients, Chlorophyll A, and Total Suspended Solids analyses. The variables in the data files are:

Variables:	STATION	Station Identifier
	STAT_ALT	Alternate Site Sampled (A, B, or C)
	EVNTDATE	Date of Sampling Event
	LAYER	Water Layer (Surface, Mid, Bottom)
	REP	Field Replicate Number Sample Number (1 or 2)
	SAMPLEID	Sample Identifier (1 or 2)
	DUP	Lab Duplicate Number
	ANALYTE	Analyte Code
	CONC	Concentration
	UNITS	Unit of Measure
	MDL	Detection Limit
	QACODE	QA Qualifier

STATION and STAT_ALT should be used to link test results with Station locations recorded in the STATIONS dataset. EVNTDATE is the date the samples were collected. LAYER describes the water layer the samples are from. Most stations have data from two layers: the surface and the bottom. Deep stations may have a third midwater layer sample. Shallow stations may have data from only one midwater sample.

REP identifies the replicate number of the nutrients samples. Most stations only have one replicate, with a REP of 1. Where field replicate samples were collected for QA purposes, REP equals 2 on the second replicate.

SAMPLEID is the field sample identifier

DUP identifies the lab duplicate number. Most samples were not analyzed in duplicate, and only have DUP values of 1. Where lab duplicate analysis was performed for QA purposes, the DUP equals 2 on the second result .

ANALYTE identifies the nutrient analyte measured. Analytes present in these datasets are:

SI	Dissolved Silica
NH4	Dissolved Ammonia
NO2	Dissolved Nitrite

NO3	Dissolved Nitrate
PO4F	Dissolved Orthophosphate
UREA	Urea
TN	Total Nitrogen
TP	Total Phosphorus
CHLA	Chlorophyll a
TSS	Total Suspended Solids

CONC contains the concentration measured. UNITS contains the unit of measure.

QACODE value NUT-A indicates that the analyte was not detected and the concentration is below the detection limit. In these cases, a concentration of zero is reported, along with the detection limit (MDL) if available. No detection limits are available for TSS or CHLA.

QACODE value CHLA-C indicates that the chlorophyll concentration could not be calculated in the lab, because the volume of water filtered for the sample was not known. In these cases, the concentration was calculated at AED, based on the volume filtered that was recorded on field data sheets. QACODE TSS-C indicates that TSS was calculated at AED in the same way. These calculated concentrations should be considered very reliable.