

Title: King's Creek Stream Chemistry Metadata  
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Date: 4/10/07

This document is the compilation of metadata for the King's Creek stream dataset obtained from the Konza LTER web-site (<http://www.konza.ksu.edu/konza/datasets/>; Dataset NWC011). The second page is an excerpt taken from the Konza data catalog main meta-document (<http://www.konza.ksu.edu/doc/DSCATALOG.pdf>). The created .xls spreadsheet accompanying this document is presented as the original dataset as well as extra worksheets to break down the data of each watershed.

Data Set Code--NWC01

Title of data set-- Stream Water Chemistry

Abstract:

Nitrate, ammonium, total N, soluble reactive P, total P, and dissolved organic C are monitored in four streams draining watersheds with 1 (N01B), 2 (N02B), 4 (N04D), and 20 (N20B) year target burn frequencies. Bison have grazed these treatments since May 1992. The number of sites sampled has been expanded since 1992 to include sites that may reflect anthropogenic, groundwater, and bison influences on water chemistry. These sites include the south branch of Kings Creek as it leaves watershed N01A (tube), a site immediately below the N04D weir at Konza Falls that is heavily influenced by groundwater (kzfl), the north fork of Kings Creek draining watersheds without bison (nfkc), the south fork of Kings Creek that drains the watersheds with bison (sfkc), Kings Creek below the USGS gauging station above the first agricultural field (hokn), a small creek that drains into Kings Creek after flowing past the bison handling facilities, two private residences, the site headquarters and an agricultural field (stck), a pristine prairie groundwater site (edlr), and Kings Creek at the bottom of Konza as it leaves the agricultural land in watershed AL (hikx). Early samples were preserved with phenyl mercuric acetate. Future plans to restore agricultural land to prairie may influence downstream nutrient concentrations.

Keywords that describe data set: nitrate, ammonium, total nitrogen, soluble reactive phosphorus, total phosphorus, and dissolved organic carbon, stream, nitrogen, carbon, phosphorus

Date data commenced: 04/01/83

Date data terminated: //

Principle Investigator: Walter Dodds

#### RECORD TYPE 1

##### Data Format Specification

1.	Datacode	1-5	A5	
2.	Rectype	6	I1	
3.	Year	7-8	I2	
4.	Month	9-10	I2	
5.	Day	11-12	I2	
6.	Sample site	13-16	A4	
7.	Time	17-20	I4	CST
8.	Preservative	21	A1	
9.	NO3	22-28	F7.1	ug/l
10.	NH4	29-35	F7.1	ug/l
11.	TN	36-40	I5	ug/l
12.	SRP	41-47	F7.1	ug/l
13.	TP	48-51	I4	ug/l
14.	DOC	52-57	F6.3	mg/l
15.	Comments	58-80	A27	

Codes used:

Name	Value	Code Value
Sample site		see abstract above
Preserve	y	preservative added
Preserve	n	no preservative added