

2 NWIS SITEFILE AND GROUND-WATER SITE-INVENTORY CODING INSTRUCTIONS

*by Colleen Babcock, Richard R. Luckey, Charles O. Morgan and Diane M. Stephens
Revised by Leslie W. Lenfest and John W. Atwood*

There are eight sections in this coding manual, one for each of the related data types in the GWSI System. The Sitefile is shared by the Automated Data Processing System (ADAPS), the Quality of Water System (QW), the Ground-Water Site-Inventory System (GWSI), and the Site-Specific Water-Use Data System (SWUDS). Most of the components defined in this coding manual were originally defined in the WATSTORE User's Guide, Volume 2, Ground-Water File, Section B (Baker and Foulk, 1975). Each section of this manual contains several subsections defining the individual components within the related data types. Each subsection includes the: (a) component description, (b) component variable name used by the software, (c) component number, (d) length of each component, and (e) the Ingres attribute name. For example:

LAT-LONG ACCURACY (SCORAC/C11 - MANDATORY CHAR X – coord_acy_cd)	
where:	
LAT-LONG ACCURACY =	Description
SCORAC =	Variable name
C11 =	Component number
CHAR X =	Length
coord_acy_cd =	Ingres attribute name

Primary Key (PK) is the group of components used to uniquely define the record in the database; for the Sitefile the primary key is the combination of Source Agency Code (C4) and Site Identification Number (C1). Also, some components are secondary keys (SK), which facilitate retrieving data from the database. Components that are commonly used for retrieving data are secondary keys.

Minimum Data Set requirements vary according to the type of site entered into the database. These are displayed in the following table. It was determined that the minimum data set required to adequately describe a ground-water site is displayed under the 'GW/SP' column of the following table. The following definitions should also be used for the table:

SW – Stream; LK – Lake or reservoir; ES – Estuary; ME – Meteorological; GW – Ground-water other than spring; SP – Spring; LA – Land application; AG – Aggregate ground-water; AS – Aggregate surface-water

Component Number	Description	Mandatory for Web Display	Mandatory for New Site Entry for Data Types:			
			SW LK ES ME	GW SP	Water Use	
					Outfall Diversion LA	AG AS Place-of-Use
C004	Source Agency Code	*	*	*	*	*
C001	Site Identification Number	*	*	*	*	*
C012/C900	Station Name/Local Number	*	*	*	*	*
C009	Latitude	*	*	*	*	
C010	Longitude	*	*	*	*	
C011	Latitude/Longitude Accuracy		*	*	*	
C035	Latitude/Longitude Method		*	*	*	
C036	Latitude/Longitude Datum	*	*	*	*	
C006	District Code	*	*	*	*	*
C041	Country Code	*	*	*	*	*
C007	State Code	*	*	*	*	*
C008	County Code	*	*	*	*	*
C802	Station Type	*	*	*	*	*
C813	Time Zone Code	*	*	*	*	*
C814	Daylight Savings Time Flag	*	*	*	*	*
C003	Data Reliability	1		*		
C002	Site Type	1		*		
C023	Use of Site	1, 3		*3		
Conditionally Mandatory						
C017	Method Altitude Determined	2	2	2	2	2
C018	Altitude Accuracy		2	2	2	2
C022	Altitude Datum		2	2	2	2
C039	National Water Use Code		4	4	4	4

¹ Ground Water Sites ONLY

² Required only if Altitude (C016) is entered

³ Spring does not require Use of Site (C023) entry

⁴ Software does not enforce entry for creation of a site, but this field is mandatory to enter Water Use data