Explanation of SCDNR Water Well Data

CONUM - A unique well identifier, consisting of a three-letter abbreviation for the county in which the well is located, followed by a sequential number assigned to the well as it is entered into that county's listings (e.g. RIC-125). This identifier is often referred to as the well's county number. See below for a list of the 3-letter county abbreviations.

SCGRID - A unique well identifier, based on the well's latitude and longitude, consisting of a grid location and a numerical sequence number. See the end of this document for a more detailed explanation of the grid numbering system.

LAT - The well's latitude (Northern hemisphere), in DDMMSS format, using the NAD27 datum.

LONG - The well's longitude (Western hemisphere), in DDMMSS format, using the NAD27 datum.

UTM_E - The Easting component of the well's location in the UTM (Universal Transverse Mercator) coordinate system. South Carolina is located within Zone 17 of the UTM system. UTM units are meters.

UTM_N - The Northing component of the well's location in the UTM (Universal Transverse Mercator) coordinate system. South Carolina is located within Zone 17 of the UTM system. UTM units are meters.

TOPO - The name of the USGS 7.5-minute topographic map quadrangle in which the well is located.

ELEV - The elevation of ground level, in feet above sea level, at the well site.

OWNER - The well owner's name.

OWNER_WELL_ID - If known, the owner's identification for that well (e.g., "Well 3").

LOCATION - A brief description of the well location.

USE - Describes the well use. Abbreviations used are:

ABN	- Abandoned	**OBS**	- Observation
AC	- Air conditioning	**PS**	- Public Supply
DOM	- Domestic	**REC**	- Recreation
DES	- Destroyed	**STB**	- Standby
FIRE	- Fire station	**STK**	- Stockyard/Livestock
IND	- Industrial	**TEST**	- Test hole
IRR	- Irrigation	**UNU**	- Unused

DEPTH_D - Depth, in feet below land surface, to which the well was drilled.

DEPTH_C - Depth, in feet below land surface, to which the well was completed.

DIAM_1 - Diameter, in inches, of the smallest casing at the top of the well.

DIAM_2 - Diameter, in inches, of the screened section, or casing lower in the well, if different from **DIAM_1**.

OH_CAS - Depth, in feet below ground level, to the bottom of the casing in an open-hole well.

SCREEN_T - Depth, in feet below ground level, to the top of the uppermost screened section.

SCREEN_B - Depth, in feet below ground level, to the bottom of the lowermost screened section.

DRILL_YR - The year in which the well was completed.

DRILL_MO - The month of the year, if known, in which the well was completed.

YIELD - The well's yield, in gallons per minute.

YIELD_YR - The year in which the reported well yield was measured.

G_LOGS - Indicates if the SCDNR has any geophysical logs for this well in its records. The abbreviations are **E** (electric log), **G** (natural gamma-ray log), **C** (caliper log), **T** (temperature log), **FR** (fluid resistivity/conductivity log), and **N** (nuclear, or any other type of log).

D_LOGS - Indicates if the SCDNR has any driller's log for this well in its records. **0** = no log; **1** = log in DNR files.

P_TEST - Indicates if the SCDNR has any pumping test data for this well in its records. **0** = no pumping test; **1** = pumping test in DNR files.

CHEM - Indicates if the SCDNR has any chemical analyses of the well water in its records. **C** = complete analysis; **P** = partial analysis; blank = no analysis.

WL - The most recent static water level, in feet below land surface, measured in that well. A "+" indicates that the water level is above land surface. "**FLOW**" indicates that the water level was above land surface but specifically known.

WL_YR - The year in which the reported static water level was measured.

DRILLER - The name of the well driller or drilling contractor.

REMARKS - Any additional comments about this well.

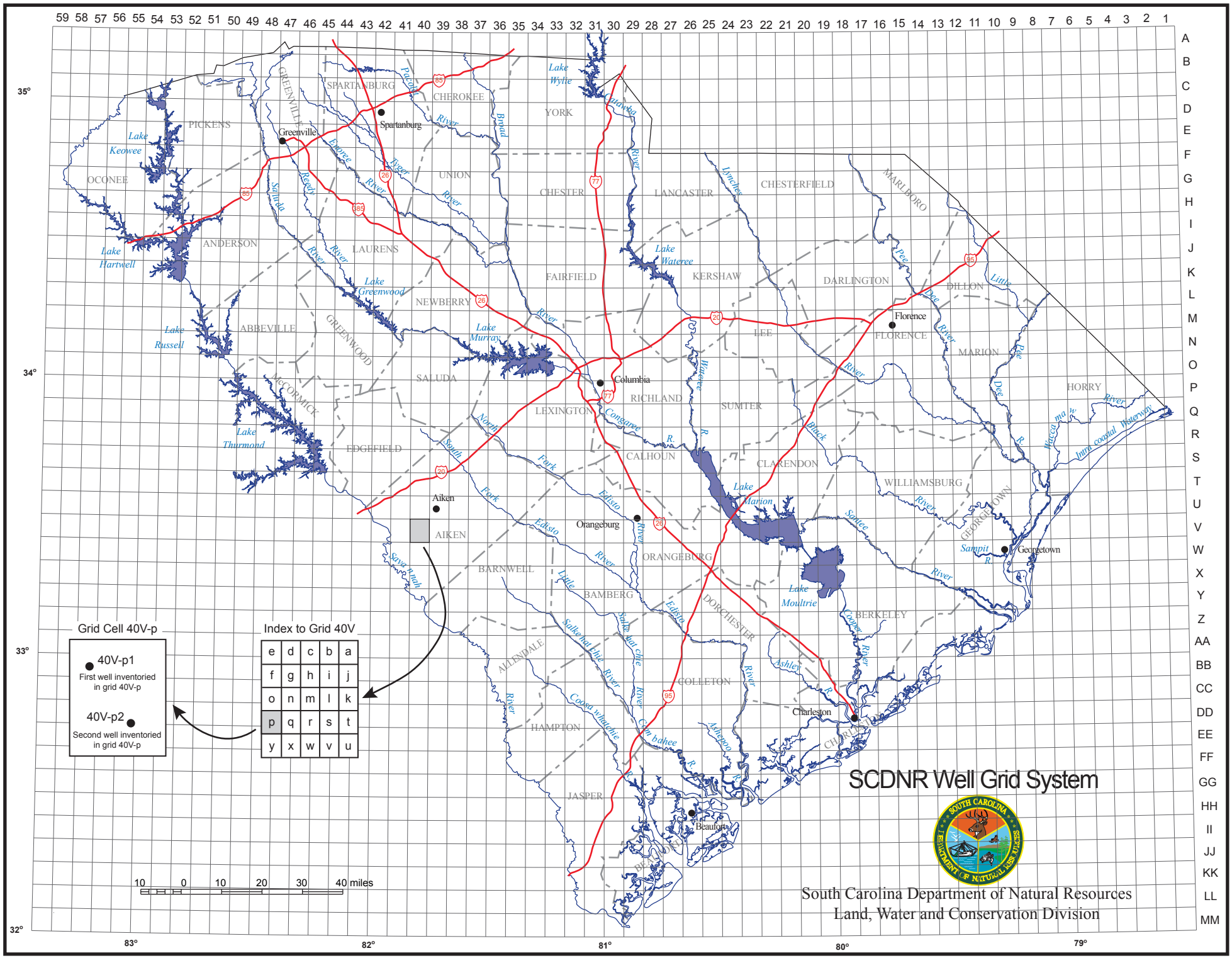
County Abbreviations used in SCDNR Well Numbering

ABB	Abbeville	**GRV**	Greenville
AIK	Aiken	**HAM**	Hampton
ALL	Allendale	**HOR**	Horry
AND	Anderson	**JAS**	Jasper
BAM	Bamberg	**KER**	Kershaw
BFT	Beaufort	**LAN**	Lancaster
BRN	Barnwell	**LRN**	Laurens
BRK	Berkeley	**LEE**	Lee
CAL	Calhoun	**LEX**	Lexington
CHN	Charleston	**MCK**	McCormick
CLA	Clarendon	**MLB**	Marlboro
COL	Colleton	**MRN**	Marion
CRK	Cherokee	**NEW**	Newberry
CTF	Chesterfield	**OCO**	Oconee
CTR	Chester	**ORG**	Orangeburg
DAR	Darlington	**PKS**	Pickens
DIL	Dillon	**RIC**	Richland
DOR	Dorchester	**SAL**	Saluda
EDG	Edgefield	**SPA**	Spartanburg
FAR	Fairfield	**SUM**	Sumter
FLO	Florence	**UNI**	Union
GEO	Georgetown	**WIL**	Williamsburg
GNW	Greenwood	**YRK**	York

SCDNR Well Numbering Grid System

The SCDNR assigns numbers to wells on the basis of their location as determined by the use of a latitude-longitude grid system. The entire State is divided into a matrix of grids of 5 minutes of latitude and 5 minutes of longitude. Each of these 5-minute grids has a corresponding number and upper-case letter(s), for example, 40V. The 5-minute grids are further divided into twenty-five 1-minute latitude-longitude grids, each having a lowercase letter “a” through “y”, for example, 40V-p. As wells are located within a 1-minute grid, they are numbered consecutively; for example, the first well inventoried in 40V-p would be 40V-p1. The grid system is illustrated in the following figure.

In addition to a DNR grid number, each well is assigned a county number. This number consists of a three-letter abbreviation for the county name and a sequentially assigned number. For example, AIK-183 would be the one-hundred-eighty-third well that was inventoried in Aiken County.


Grid Cell 40V-p
40V-p1
First well inventoried in grid 40V-p
40V-p2
Second well inventoried in grid 40V-p
Index to Grid 40V
e d c b a
f g h i j
o n m l k
p q r s t
y x w v u
10 0 10 20 30 40 miles
SCDNR Well Grid System
South Carolina Department of Natural Resources
Land, Water and Conservation Division
Greenville
Spartanburg
Columbia
Florence
Aiken
Orangeburg
Georgetown
Charleston
Beaufort
PICKENS
OCONEE
ANDERSON
GREENVILLE
SPARTANBURG
CHEROKEE
YORK
UNION
CHESTER
LANCASTER
CHESTERFIELD
MARLBORO
LAURENS
FAIRFIELD
KERSHAW
DARLINGTON
DILLON
NEWBERRY
ABBEVILLE
GREENWOOD
SALUDA
LEE
FLORENCE
MARION
HORRY
MCCORMICK
EDGEFIELD
LEXINGTON
RICHLAND
SUMTER
CALHOUN
CLARENDON
WILLIAMSBURG
GEORGETOWN
AIKEN
BARNWELL
ORANGEBURG
BAMBERG
DORCHESTER
BERKELEY
AIKENDALE
COLLETON
HAMPTON
JASPER
CHARLESTON
Lake Keowee
Lake Hartwell
Lake Russell
Lake Thurmond
Lake Greenwood
Lake Murray
Lake Wateree
Lake Wylie
Lake Marion
Lake Moultrie
Pacolet River
Broad River
Catawba River
Enoree River
Tyger River
Saluda River
Reedy River
Lynches River
Pee Dee River
Little Pee Dee River
Wateree River
Congaree R.
North Fork Edisto River
South Fork Edisto River
Edisto River
Black R.
Santee River
Sampit R.
Waccamaw R.
Intracoastal Waterway
Savannah River
Little Salkehatchie River
Salkehatchie River
Coosawhatchie River
New River
Cooper River
Ashley R.
Ashepoo R.
35°
34°
33°
32°
83°
82°
81°
80°
79°