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Analytical results and other information for 415 water samples collected from wells, springs, and streams 1976-1987 Pima, Pinal, and Maricopa Counties, Arizona

By

Gary A. Nowlan[1]

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[1]U.S. Geological Survey, DFC, Box 25046, MS 973, Denver, CO 80225

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This database, identified as AZH2O.001, has been approved for release and publication by the Director of the USGS. Although this database has been subjected to rigorous review and is substantially complete, the USGS reserves the right to revise the data pursuant to further analysis and review. Furthermore, it is released on condition that neither the USGS nor the United States Government may be held liable for any damages resulting from its authorized or unauthorized use.

The database manager is: Steve McDanal
(303) 236-1187
smcdanal@helios.cr.usgs.gov
U.S. Geological Survey
Box 25046, Mail Stop 973
Denver, CO 80225

Water samples were collected from wells, streams, and springs by USGS Geologic Division personnel during the course of geologic field studies in south-central Arizona. The samples were analyzed by USGS Branch of Geochemistry laboratories in Lakewood, Colorado. This database contains analytical data and collection information for the samples. The methods, data, and documentation have been reviewed by peers within the Branch of Geochemistry. The accompanying ASCII text file, EXPLAIN.DOC, presents background information, sampling techniques, and references; it also describes the digital data files and explains how to access them.

ABSTRACT

Analytical data, collection data, and other information for 415 water samples collected from 350 sites in southern Arizona are presented in digital format. The samples are almost all from shallow wells, deep irrigation wells, springs, and small streams. Data are presented for Ag, Al, As, Ba, Bi, Ca, Cd, Co, Cr, Cs, Cu, Fe, K, Li, Mg, Mn, Mo, Na, Ni, Pb, Rb, Sr, U, Zn, sulfate, chloride, fluoride, nitrate, dissolved silica, nitrite, ammonium, phosphate, bromide, alkalinity, pH, temperature, and specific conductance. Most of the data were released previously as hard-copy open-file reports, but this report is the first release for some of the data. The digital data are in dBASE III format and are compressed in self-extracting files.