DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

OPEN-FILE REPORT 85-648-N
SIDE 1 OF 2

EXPLANATION

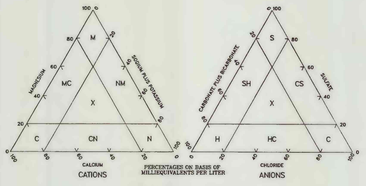
CHEMICAL—QUALITY CHARACTERIZATIONS ON MAP

2
1△3
4

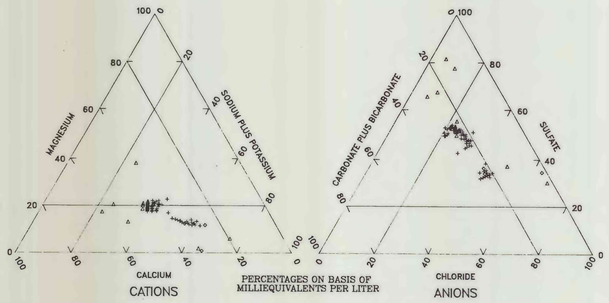
ITEM 1—Number of analyses
ITEM 2—Dissolved solids, in milligrams per liter. If multiple analyses are available, the listed value is the mean
ITEM 3—Dominant or codominant cations and anions. See letter designations on trilinear diagrams shown below
ITEM 4—Difference between highest and lowest value of dissolved solids, in milligrams per liter, where more than one analysis is available

DEPTH—AND—TEMPERATURE SYMBOLS

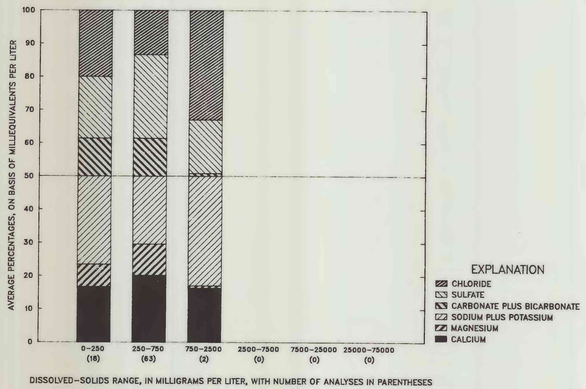
△ SHALLOW; NONTHERMAL—Less than 50 feet deep; temperature less than 30°C
\+ INTERMEDIATE; NONTHERMAL—50–1,000 feet deep; temperature less than 30°C. Also includes samples of unknown depth or temperature
◇ SHALLOW TO INTERMEDIATE; THERMAL—Less than 1,000 feet deep; temperature 30°C or greater
□ DEEP; THERMAL AND NONTHERMAL—1,000 feet or greater



LETTER DESIGNATION FOR DOMINANT AND CODOMINANT ION FIELDS



CHEMICAL CHARACTER OF WATER FROM SELECTED WELLS AND SPRINGS. DEPTH—AND—TEMPERATURE CATEGORIES ARE INDICATED



RELATION BETWEEN DISSOLVED-SOLIDS CONCENTRATION AND RELATIVE PROPORTIONS OF MAJOR IONS

Base from U.S. Geological Survey
Kingman, 1954, Revised 1963

Scale 1:250,000

CONTOUR INTERVAL 200 FEET
TRANSVERSE MERCATOR PROJECTION

Altitude: National Geodetic Vertical Datum of 1929 (sea level)

CHEMICAL AND PHYSICAL CHARACTER OF SAMPLED GROUND WATER

DATA ON GROUND-WATER QUALITY FOR THE SOUTHERN NEVADA PART OF THE KINGMAN 1° X 2° QUADRANGLE

By Alan H. Welch and Rhea P. Williams

1987