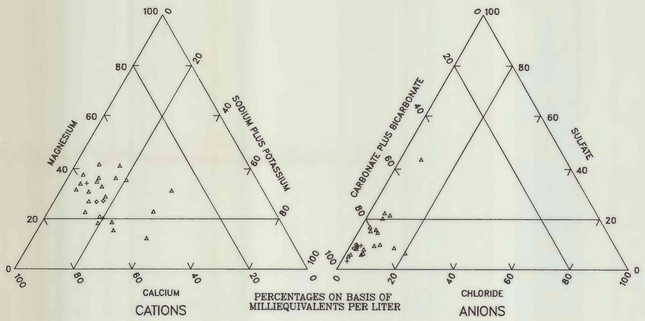
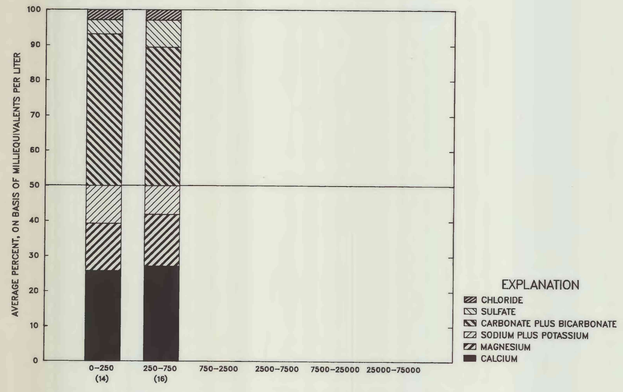


CHEMICAL CHARACTER OF WATER FROM SELECTED WELLS AND SPRINGS. DEPTH-AND-TEMPERATURE CATEGORIES ARE INDICATED



DISSOLVED-SOLIDS RANGE, IN MILLIGRAMS PER LITER, WITH NUMBER OF ANALYSES IN PARENTHESES

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

Base from U. S. Geological Survey
Ely, 1955, Revised 1971

Scale 1:250,000
5 0 5 10 15 20 Statute Miles
5 0 5 10 15 20 25 10 Kilometers
5 0 5 10 15 Nautical Miles

CONTOUR INTERVAL 200 FEET
WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS

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

CHEMICAL AND PHYSICAL CHARACTER OF SAMPLED GROUND WATER

EXPLANATION

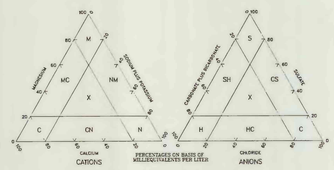
CHEMICAL-QUALITY CHARACTERIZATIONS ON MAP

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

DATA ON GROUND-WATER QUALITY FOR THE ELY 1° X 2° QUADRANGLE, EASTERN NEVADA

By

Alan H. Welch and Rhea P. Williams

1986