DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

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

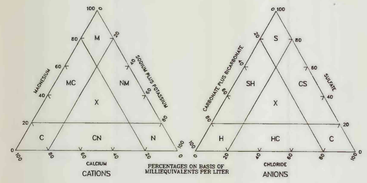
EXPLANATION

CHEMICAL-QUALITY CHARACTERIZATIONS ON MAP

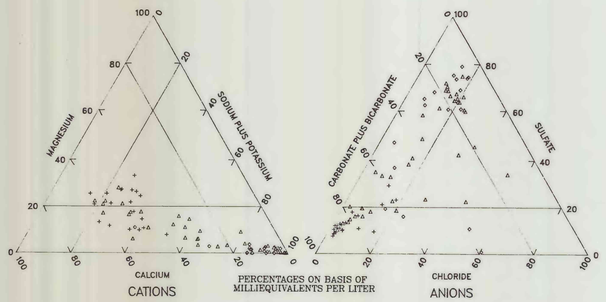
ITEM 1--Number of analyses
ITEM 2--Dissolved solids, in milligrams per liter. If multiple analyses are available, the listed value is the mean
ITEM 3--Dominant or codominant cations and anions. See letter designations on trilinear diagrams shown below
ITEM 4--Difference between highest and lowest value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

DEPTH-AND-TEMPERATURE SYMBOLS

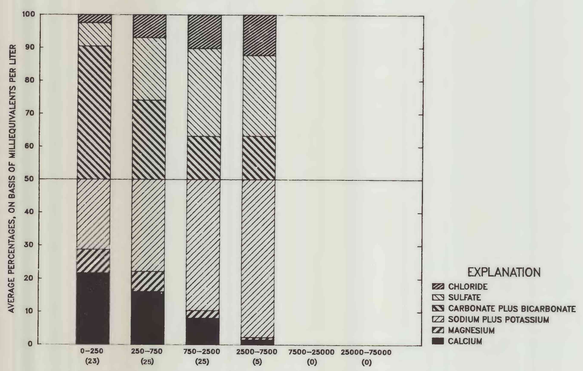
△ SHALLOW; NONTHERMAL--Less than 50 feet deep; temperature less than 30°C
+ INTERMEDIATE; NONTHERMAL--50-1,000 feet deep; temperature less than 30°C. Also includes samples of unknown depth or temperature
◇ SHALLOW TO INTERMEDIATE; THERMAL--Less than 1,000 feet deep; temperature 30°C or greater
□ DEEP;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



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
Walker Lake, 1954, Revised 1962

CHEMICAL AND PHYSICAL CHARACTER OF SAMPLED GROUND WATER

DATA ON GROUND-WATER QUALITY FOR THE WALKER LAKE 1° X 2° QUADRANGLE, WESTERN NEVADA AND EASTERN CALIFORNIA

By Alan H. Welch and Rhea P. Williams

1987