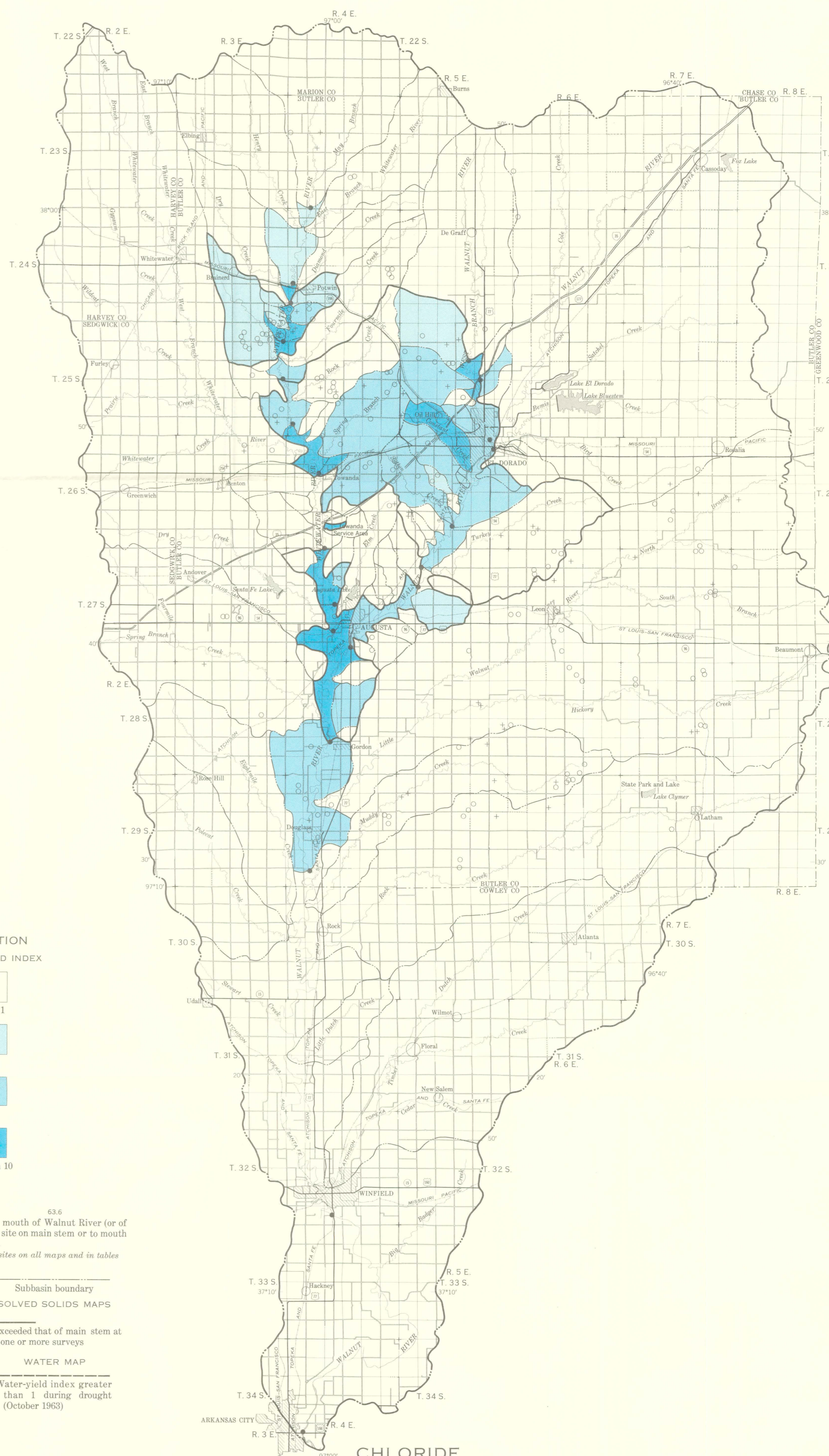


SULFATE



CHLORIDE

EXPLANATION
ALL MAPS, YIELD INDEX

| | |
|--------------------|-----------------|
| [Light Blue Box] | Less than 1 |
| [Medium Blue Box] | 1.01-2.00 |
| [Dark Blue Box] | 2.01-10 |
| [Darkest Blue Box] | Greater than 10 |

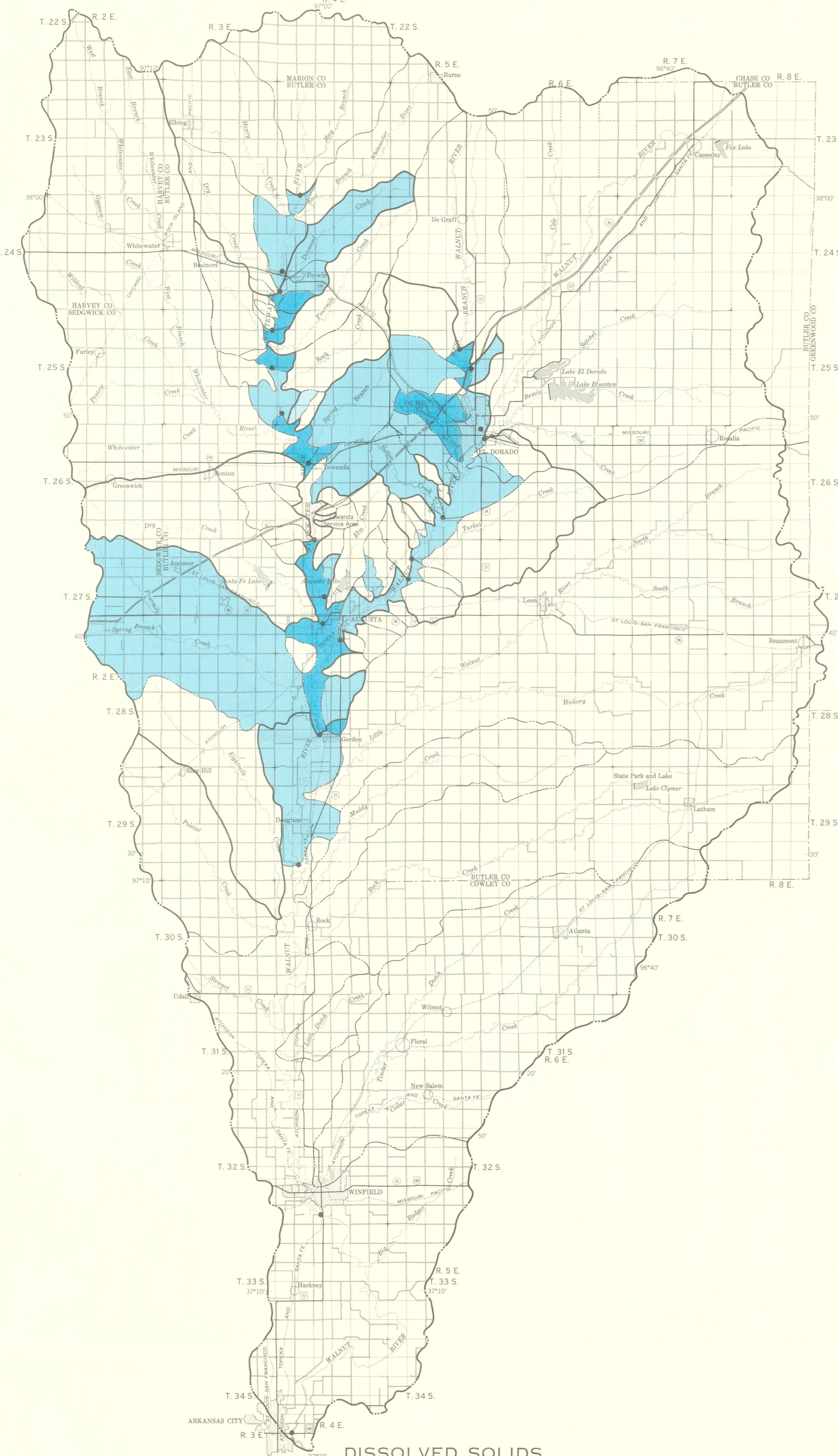
Distance, in river miles, upstream from mouth of Walnut River (or of Whitewater River) to data-collection site on main stem or to mouth of tributary from each drainage area.
Numbers shown on water map identify sites on all maps and in tables in text.

Basin boundary **Subbasin boundary**
SULFATE, CHLORIDE, AND DISSOLVED SOLIDS MAPS

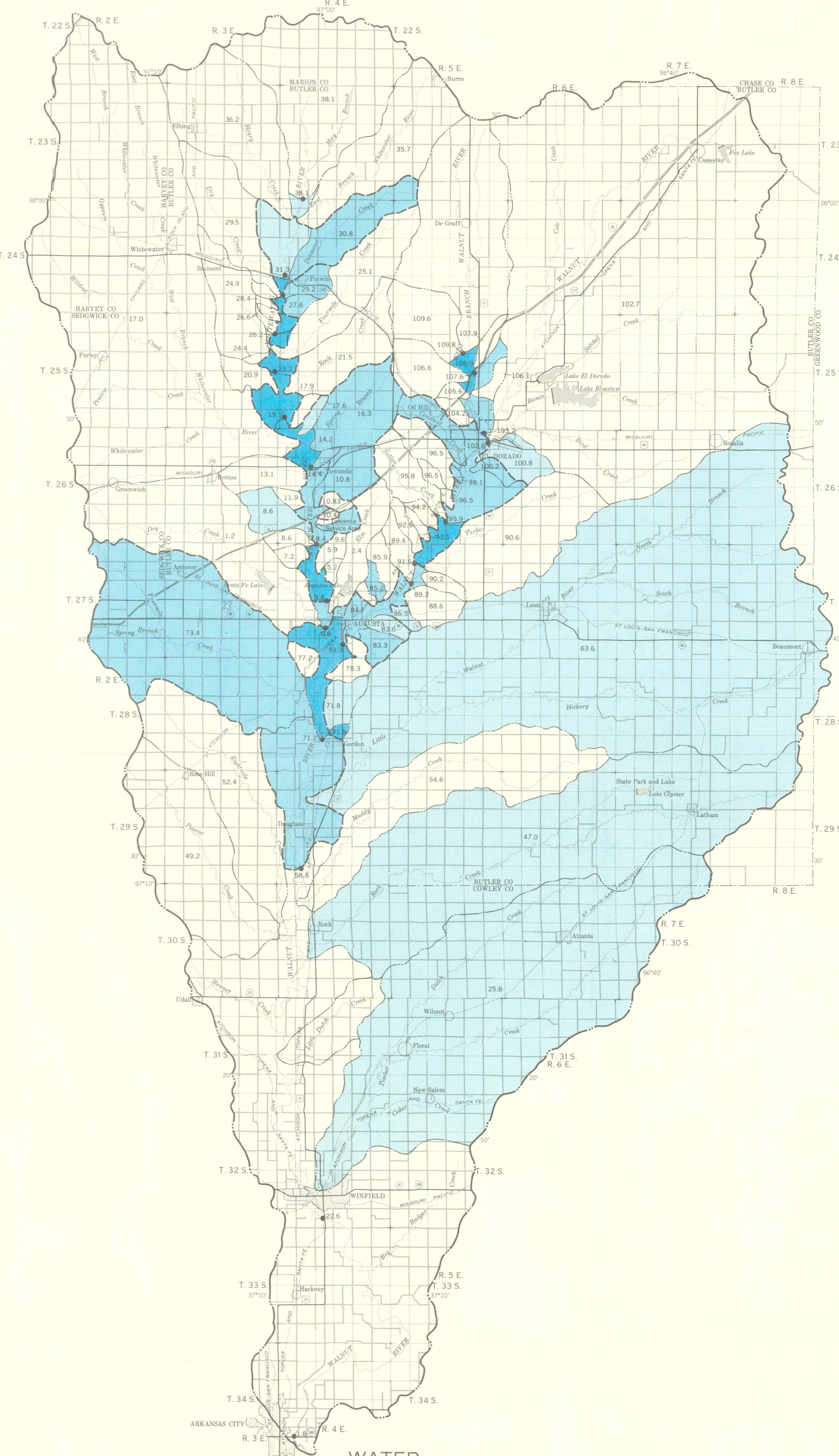
Concentration in tributary or seepage exceeded that of main stem at upstream end of reach during one or more surveys

CHLORIDE MAP **WATER MAP**
Brine disposal and treatment ponds in Butler County (October 1964) Water-yield index greater than 1 during drought (October 1963)

○ Abandoned
● In operation
Most are sealed

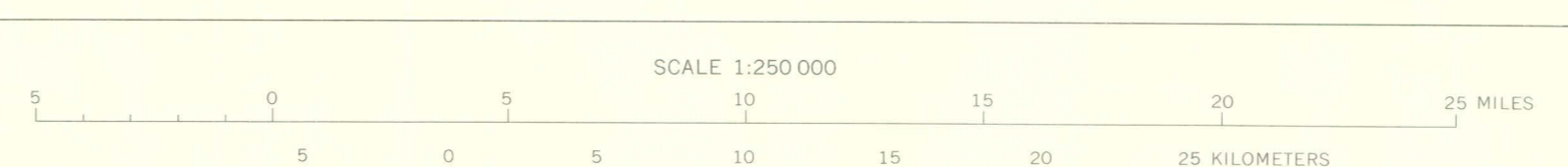


DISSOLVED SOLIDS



WATER

Base compiled from maps prepared by the State Highway Commission of Kansas



INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1971—W-1000
Brine disposal and treatment ponds by the Oil Field Section of the Kansas State Department of Health

MAPS SHOWING MAXIMUM YIELD INDEXES FOR SULFATE, CHLORIDE, DISSOLVED SOLIDS, AND WATER FOR WATERSHEDS IN THE WALNUT RIVER BASIN, SOUTH-CENTRAL KANSAS, DURING SALINITY SURVEYS IN THE FALL OF 1961, 1962, AND 1963