IN COOPERATION WITH THE
BEXAR-MEDINA-ATASCOSA COUNTIES WATER CONTROL AND IMPROVEMENT DISTRICT NO. 1,
BEXAR METROPOLITAN WATER DISTRICT, TEXAS WATER DEVELOPMENT BOARD,
AND
EDWARDS AQUIFER AUTHORITY

Lambert, R.B., Grimm, K.C., and Lee, R.W., 2000, Hydrogeology, hydrologic budget, and water chemistry of the Medina Lake area, Texas

EXPLANATION

UPPER CONFINING UNIT
- SURFICIAL DEPOSITS AND UPPER CONFINING UNIT (ESCONDIDO FORMATION, ANACACHO LIMESTONE, AND AUSTIN GROUP), UNDIVIDED
- AUSTIN GROUP
- EAGLE FORD GROUP
- BUDA LIMESTONE
- DEL RIO CLAY

EDWARDS AQUIFER
- I GEORGETOWN FORMATION
- II CYCLIC AND MARINE MEMBERS, UNDIVIDED (NOT EXPOSED IN STUDY AREA)
- III LEACHED AND COLLAPSED MEMBERS, UNDIVIDED
- IV REGIONAL DENSE MEMBER
- V GRAINSTONE MEMBER
- VI KIRSCHBERG EVAPORITE MEMBER
- VII DOLOMITIC MEMBER
- VIII BASAL NODULAR MEMBER

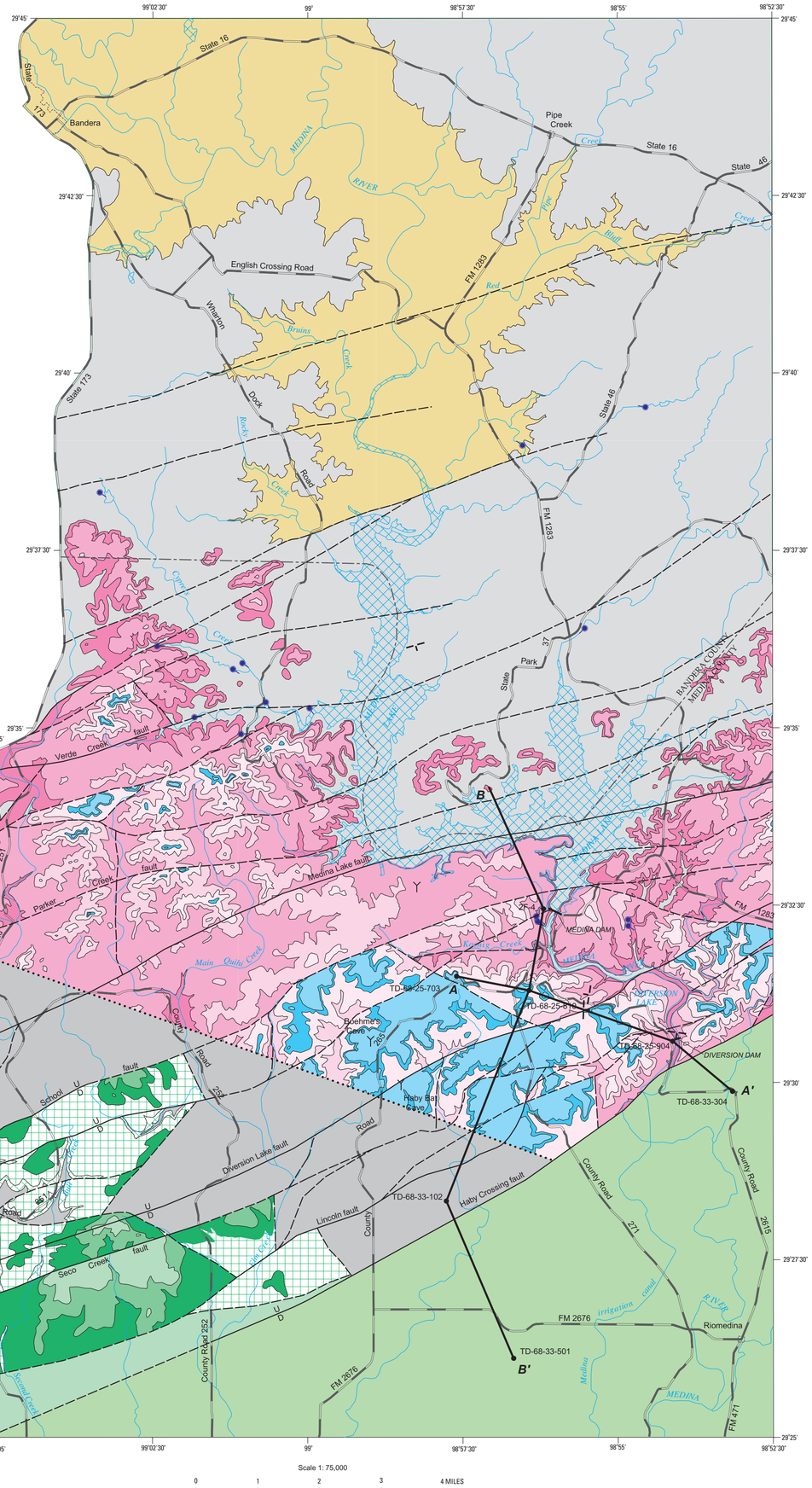
DEVILS RIVER FORMATION; EDWARDS GROUP; PERSON FORMATION; KAINER FORMATION

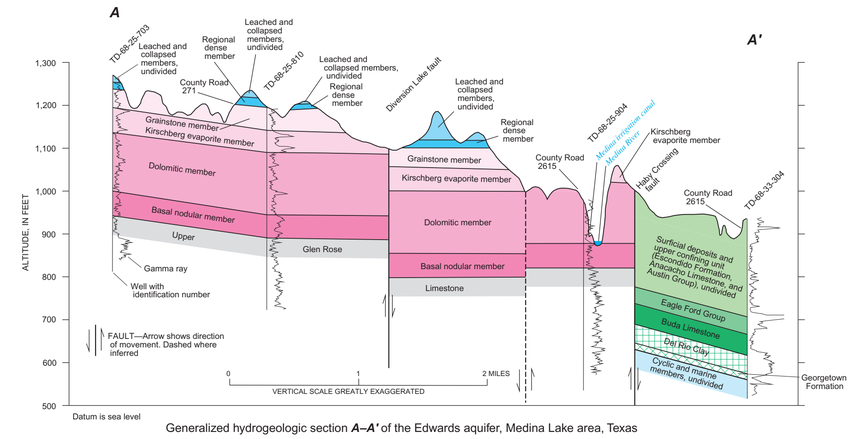
TRINITY AQUIFER
- UPPER MEMBER OF THE GLEN ROSE LIMESTONE
- LOWER MEMBER OF THE GLEN ROSE LIMESTONE

HYDROGEOLOGIC SUBDIVISIONS I–VIII—
Modified from Maclay and Small (1976)

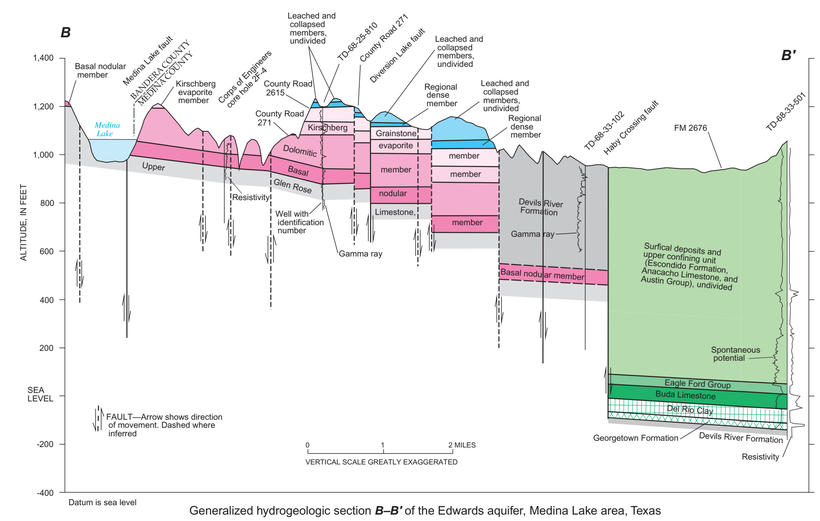
- U/D PRIMARY FAULT—U, upthrown; D, downthrown
- INFERRED FAULT
- FACIES CHANGE
- A——A′ TRACE OF SECTION
- STRIKE AND DIP
- SPRING
- CAVE
- TD-68-25-703 WELL WITH STATE WELL NUMBER

NOTE: Geology modified from Small and Clark (2000) on the basis of additional fieldwork in Medina County

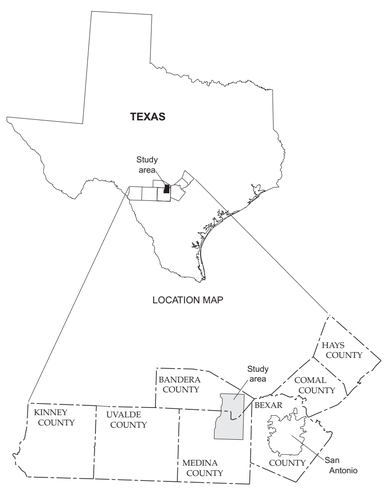




Generalized hydrogeologic section ***A–A′*** of the Edwards aquifer, Medina Lake area, Texas



Generalized hydrogeologic section ***B–B′*** of the Edwards aquifer, Medina Lake area, Texas



MAP SHOWING HYDROGEOLOGIC SECTIONS *A-A′* AND *B-B′* AND SHOWING SUBDIVISIONS
OF THE EDWARDS AND TRINITY AQUIFERS, MEDINA LAKE AREA, TEXAS

By
Rebecca B. Lambert, Kenneth C. Grimm, and Roger W. Lee
2000