



MAP SHOWING LOCATION AND HYDROLOGIC FEATURES OF THE SAN ANTONIO AREA, TEXAS

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Base modified from Texas Department of Transportation, 1:250,000 Lambert Conformal Conic projection Standard parallels 33 and 45 degrees

EXPLANATION

- RECHARGE AREA--Modified from Puente, 1978
- EDWARDS AQUIFER
- GROUND-WATER DIVIDE
- APPROXIMATE DOWNDIP LIMIT OF FRESHWATER ZONE OF EDWARDS AQUIFER
- LINE SEPARATING UNCONFINED ZONE TO THE NORTH FROM THE CONFINED ZONE TO THE SOUTH, JULY 1974
- BOUNDARY OF DRAINAGE BASINS CONTRIBUTING RECHARGE TO THE EDWARDS AQUIFER
- SUBBASIN DIVIDE

NOTE: The Edwards aquifer in the San Antonio area is bounded on the north by the northern extent of the recharge area, on the east and west by groundwater divides, and on the south by the boundary of the freshwater part of the aquifer. The Balcones fault zone is essentially between the groundwater divides on the east and west, the northern limit of the recharge area, and the bad-water line on the south.

The term Balcones escarpment refers to topographic features resulting from pronounced changes in the level of rock formations that occur in crossing the Balcones fault zone and is not a single continuous equally developed escarpment marking a definite boundary to the Gulf Coastal Plain.

The Balcones escarpment, which cannot be shown on this map as a single line, occurs mostly as segments within the Balcones fault zone. The escarpment separates the Edwards Plateau from the Gulf Coastal Plain. The catchment area lies within the Edwards Plateau and parts of the Hill Country and yields surface runoff to streams that cross the recharge area of the Edwards aquifer in the San Antonio area.