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Final Report Edwards Rules Maps Digitization
TNRCC Edwards Project - Contract Number 582-9-12095

On August 20, 1999 a digital version of the Edwards Rules Map Leander NE quadrangle was placed on the Bureau anonymous ftp site for review by TNRCC. The Leander NE quadrangle was approved by TNRCC and the remaining 33 quadrangles were digitized.

The Edwards Rules map was captured from 34 mylar, paper blue-line, and original 7.5' USGS maps. Lines depicting the boundary of the recharge and transition zones of the Edwards Aquifer were tablet digitized from the original maps using the ArcEdit module of ArcInfo. All tics and linear features from an individual map were captured during the initial digitizing session. The digitized coverages were transformed into either polyconic or stateplane (central or south central zones) projections. Transformation error reports for all quadrangles were recorded as project documentation. The 34 individual coverages were reprojected into UTM zone 14, appended, and processed into a single polygon coverage. Polygons are assigned a numeric code specifying recharge (1) and transition (2) areas.

The 34 7.5' USGS quadrangles are:

Bulverde
New Bruanfels West
San Marcos South
Hunter
San Marcos North
Wimberley
Devil's Backbone
Buda
Mountain City
Driftwood
Oak Hill
Signal Hill
Austin East
Austin West
Pflugerville
Jollyville
Hutto
Round Rock
Leander
Weir
Georgetown
Leander NE
Cobb's Cavern
Florence
Youngsport
Ding Dong
Jarrell
Boerne
Bergheim
Anhalt
Smithson Valley
Sattler
New Braunfels East
Bat Cave

On August 31, 1999 the final Edwards Rules Map coverage was prepared for transfer to TNRCC via the Bureau anonymous ftp site. The Edwards Aquifer Rules Recharge Zone Boundary and Transition Zone Boundary are captured in one ArcInfo polygon coverage. The ArcInfo coverage, a compressed version of the coverage (.E00 format), an ArcView shapefile, and the coverage and project documentation were transferred as a TAR file. This report was delivered on September 22, 1999.