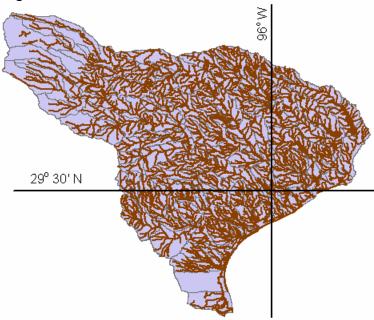
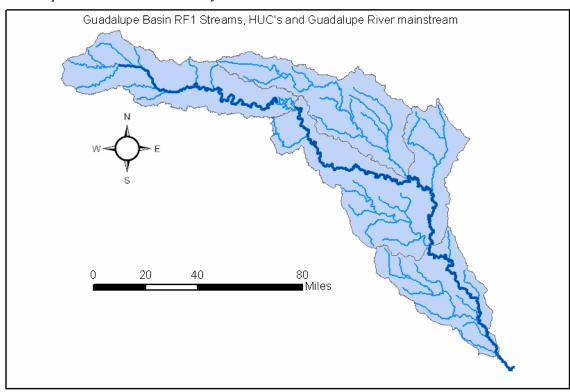
## **Exercise 2 Solution**

Approximate map extent: 25° 50' N to 34° 45' N latitude, 93° 6' to 103° 50' W longitude.

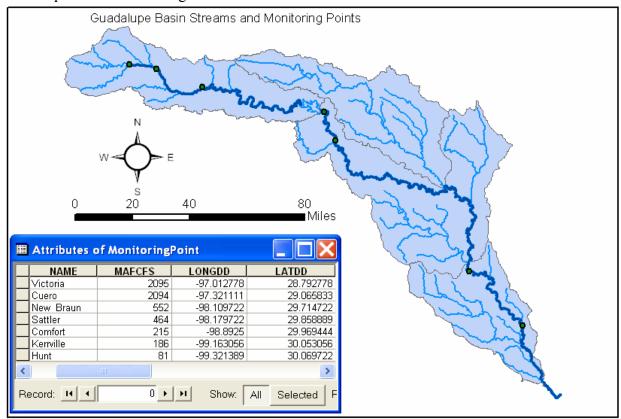
Region 12 Central Meridian and Standard Parallel



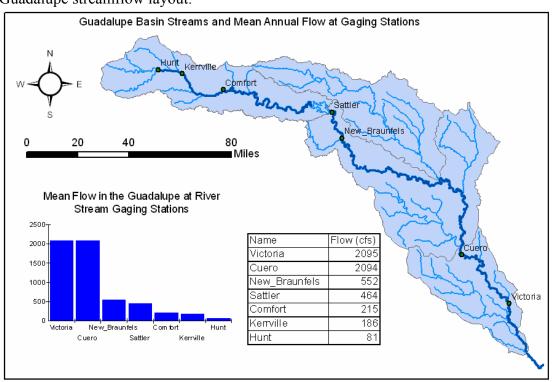
Guadalupe Basin and Streams Layout



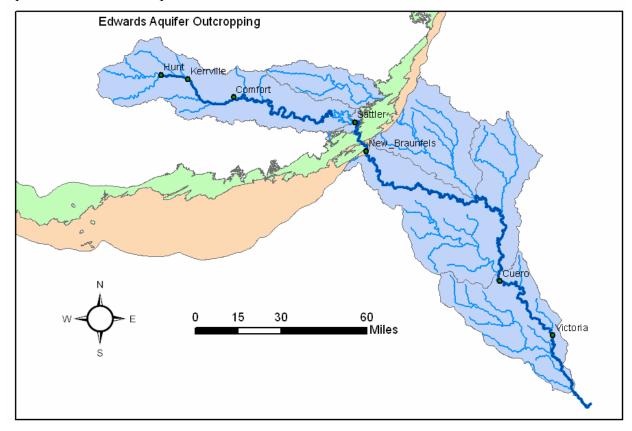
## Guadalupe Basin Monitoring Points



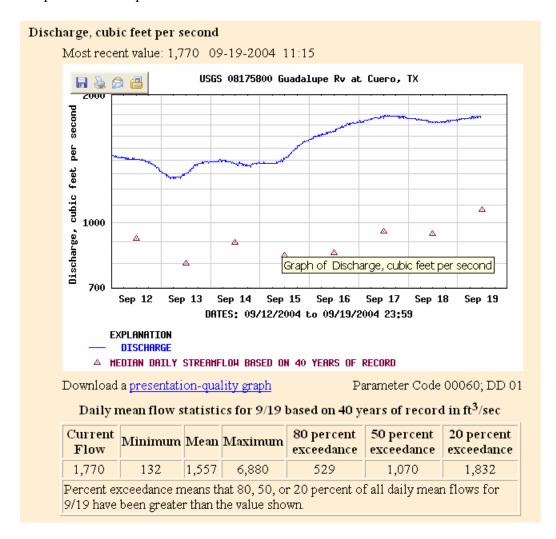
## Guadalupe streamflow layout.



The Edwards Aquifer outcrops between the Sattler and New Braunfels gages. The difference in mean annual flow is 552-464 = 88cfs. This gain in streamflow suggests discharge from the aquifer into the Guadalupe River.

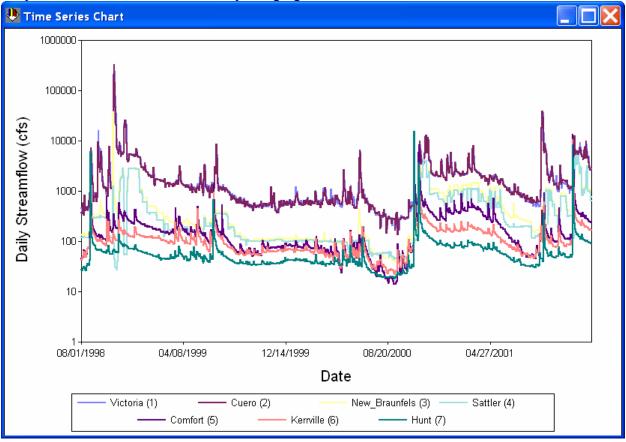


Graph of Guadalupe River at Cuero Real time streamflow from NWIS website.



The 20%, 50% and 80% exceedence flows for Sept 19 are 1832, 1070 1nd 529 cfs respectively. The flow on 9/19/2004 was 1770 cfs, near the 20% exceedence value.

Graph of Streamflow in the Guadalupe Gaging Stations



(You need to be more creative than this in your solutions.)