P. O. BOX 1749
1859 W. HWY 199
SPRINGTOWN, TX 76082

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Update on Upper Trinity GCD Proposed Rules Change

- Permit Allocation for Non-Exempt Wells:
  - Trinity Aquifer
    - Currently annual permit allocation based on the thickness of the aquifer below the property or depth of water well(s) (whichever is less) multiplied by a factor of 500 multiplied by the total acreage owned or controlled by the applicant. No allocation shall be less than 25,000 per acre per year. There is currently no upper limit.
    - Proposed rule sets an upper annual allocation limit of 250,000 gallons per acre per year.
  - Cross Timbers Aquifer
    - Currently annual permit allocation is 25,000 gallons per acre per year.
    - Proposing to change the methodology to something similar to the Trinity: depth well(s) multiplied by 150 multiplied by the acreage owned or controlled by the applicant. There will be an upper limit of 100,000 per acre per year and a lower limit of 25,000 per acre per year.
- Hydrogeologic Reports for High-Volume Permits
  - Earlier this spring, the Board adopted a requirement to perform a hydrogeologic report for new permit applications that are requesting more than 50,000,000 gallons per year.
    - Proposing to change the volume for this requirement to:
      - Trintiy Aquifer – 25,000,000 gallons per year
      - Cross Timbers Aquifer – 10,000,000 gallons per year
- Minimum Tract-Size Requirement
  - Currently 2 acres for any new well
  - Proposal (see attachment):
    - For areas East of a line where the Trinity Aquifer thins to 60 ft – 2 acres
    - For areas West of a line where the Trinity Aquifer thins to 60 ft – 5 acres

*The line where the Trinity Aquifer thins to 60 ft is based on where the total average thickness of all layers of the Trinity Aquifer is less than or equal to 60 feet based on the Groundwater Availability Model of the Northern Trinity and Woodbine Aquifers most recently approved by the Texas Water Development Board

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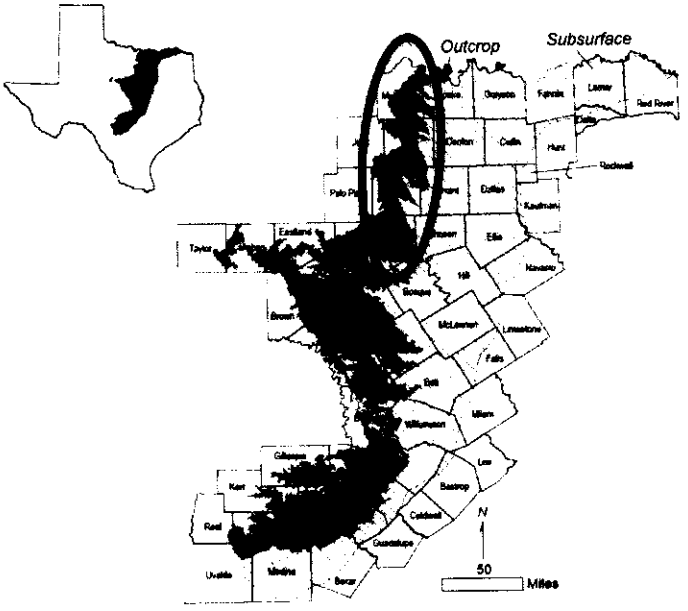
- Spacing Requirements:

Current

Maximum Allowed Well Production	Spacing from Other Well Sites	Spacing from Property Line
The maximum amount of groundwater the well can actually produce as equipped in gallons per minute (gpm).	The minimum distance, in feet, that a new well or proposed well site may be located from an existing registered or permitted well, existing unregistered well identified by the General Manager under Rule 4.3(b), or approved well site.	The minimum distance, in feet, that a new well or proposed well site may be located from the nearest property line of the tract of land on which it is to be located.
<17.36 gpm	150 ft.	50 ft.
17.36 - 30 gpm	500 ft.	150 ft.
30 - 50 gpm	1,000 ft.	250 ft.
50 - 80 gpm	1,750 ft	500 ft.
80 – 100 gpm	2,500 ft.	750 ft.
>100 gpm	3,250 ft.	1,000 ft.

Proposed

Maximum Allowed Well Production	Spacing from Other Well Sites	Spacing from Property Line
The maximum amount of groundwater the well can actually produce as equipped in gallons per minute (gpm).	The minimum distance, in feet, that a new well or proposed well site may be located from a then-existing registered or permitted well, then-existing unregistered well identified by the General Manager under Rule 4.3(b), or approved well site.	The minimum distance, in feet, that a new well or proposed well site may be located from the nearest property line of the tract of land on which it is to be located.
8 gpm or less	150 ft.	50 ft.
> 8 - 17.36 gpm	300 ft.	100 ft.
> 17.36 - 30 gpm	500 ft.	150 ft.
> 30 - 50 gpm	1,000 ft.	250 ft.
> 50 - 80 gpm	1,750 ft	500 ft.
> 80 – 100 gpm	2,500 ft.	750 ft.
> 100 - 150 gpm	3,250 ft.	1,000 ft.
> 150 gpm	4,000 ft.	1,250 ft.



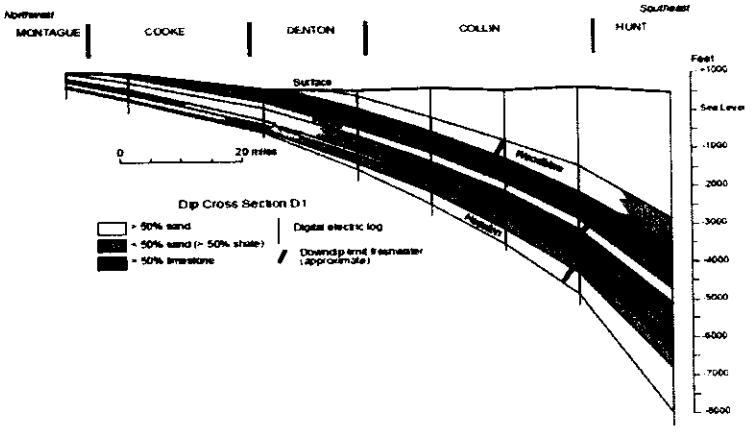


Figure 4.1.31 **Dip-oriented cross section D1 showing stratigraphic boundaries, dominant lithologies, depths in feet, and downdip limits of freshwater in sandstone and shale layers.**

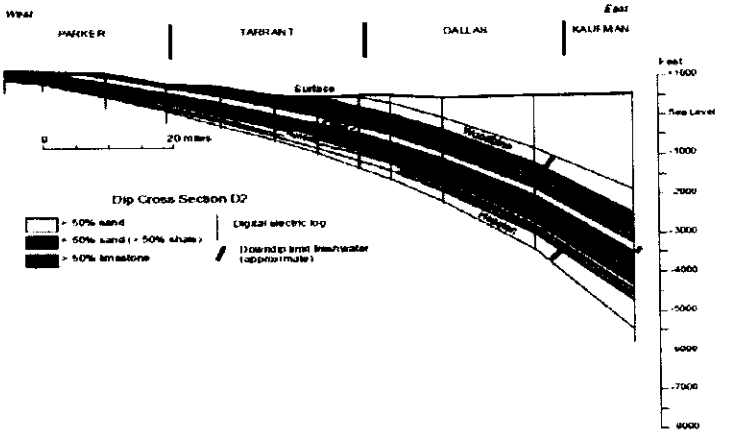
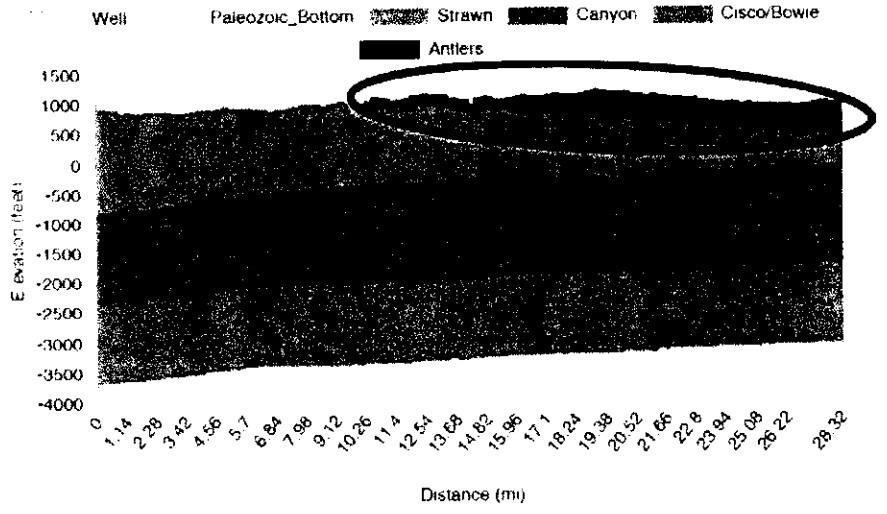
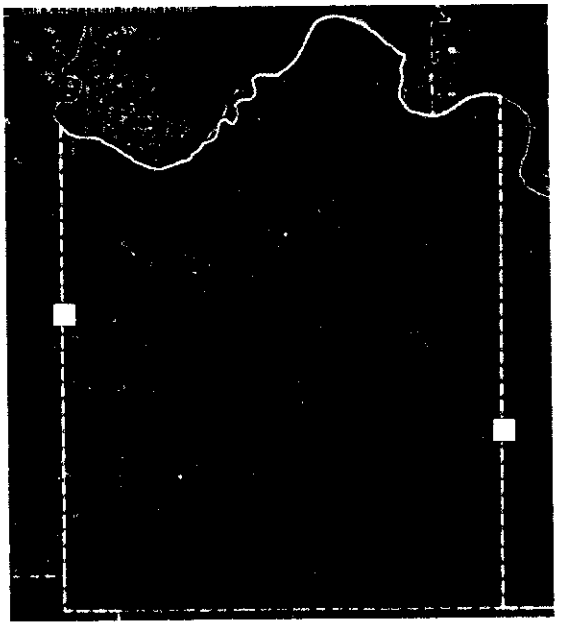
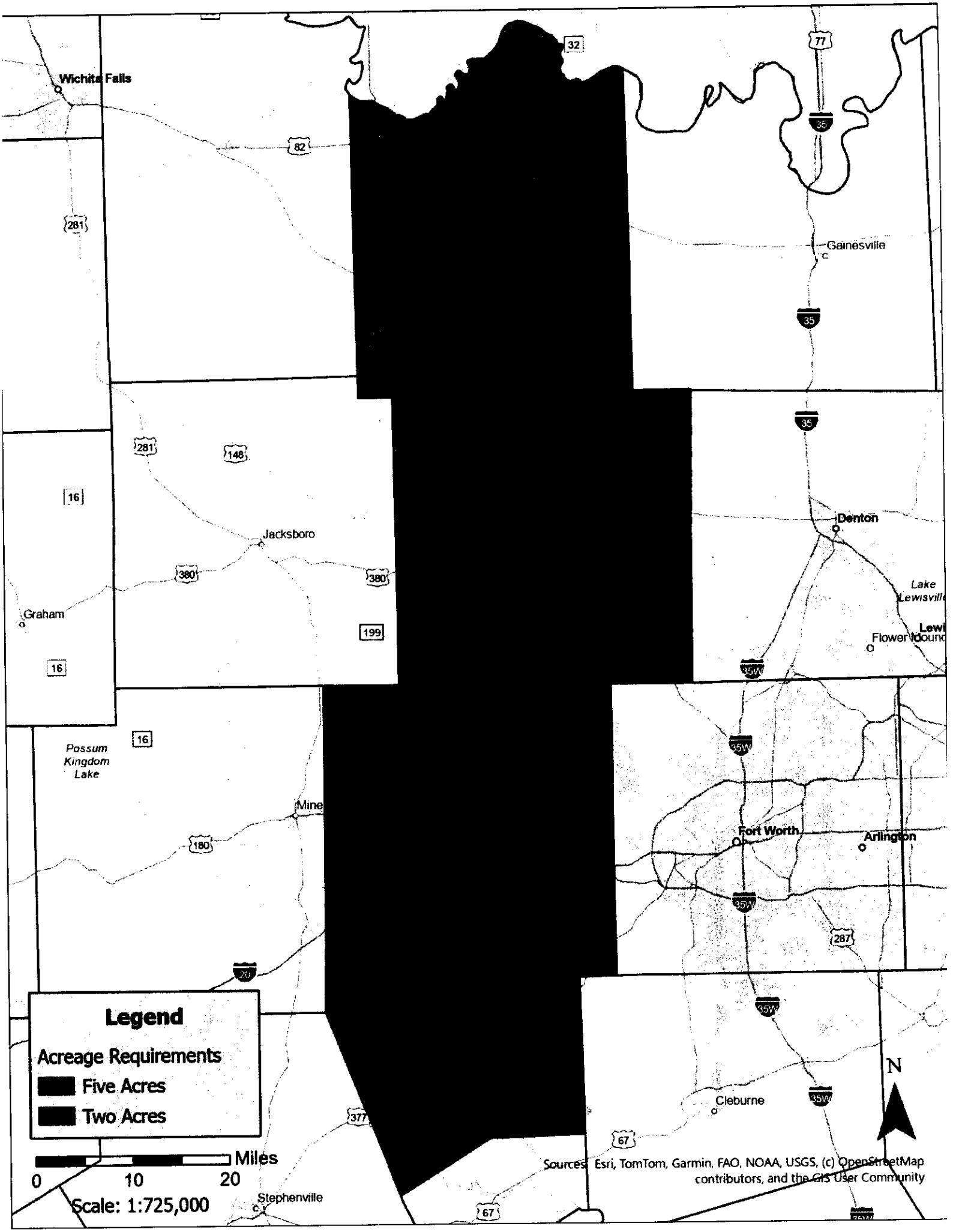


Figure 4.1.32 **Dip-oriented cross section D2 showing stratigraphic boundaries, dominant lithologies, depths in feet, and downdip limits of freshwater in sandstone and shale layers.**

Cross Section



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32
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Gainesville
35
281
148
16
Jacksboro
380
380
Graham
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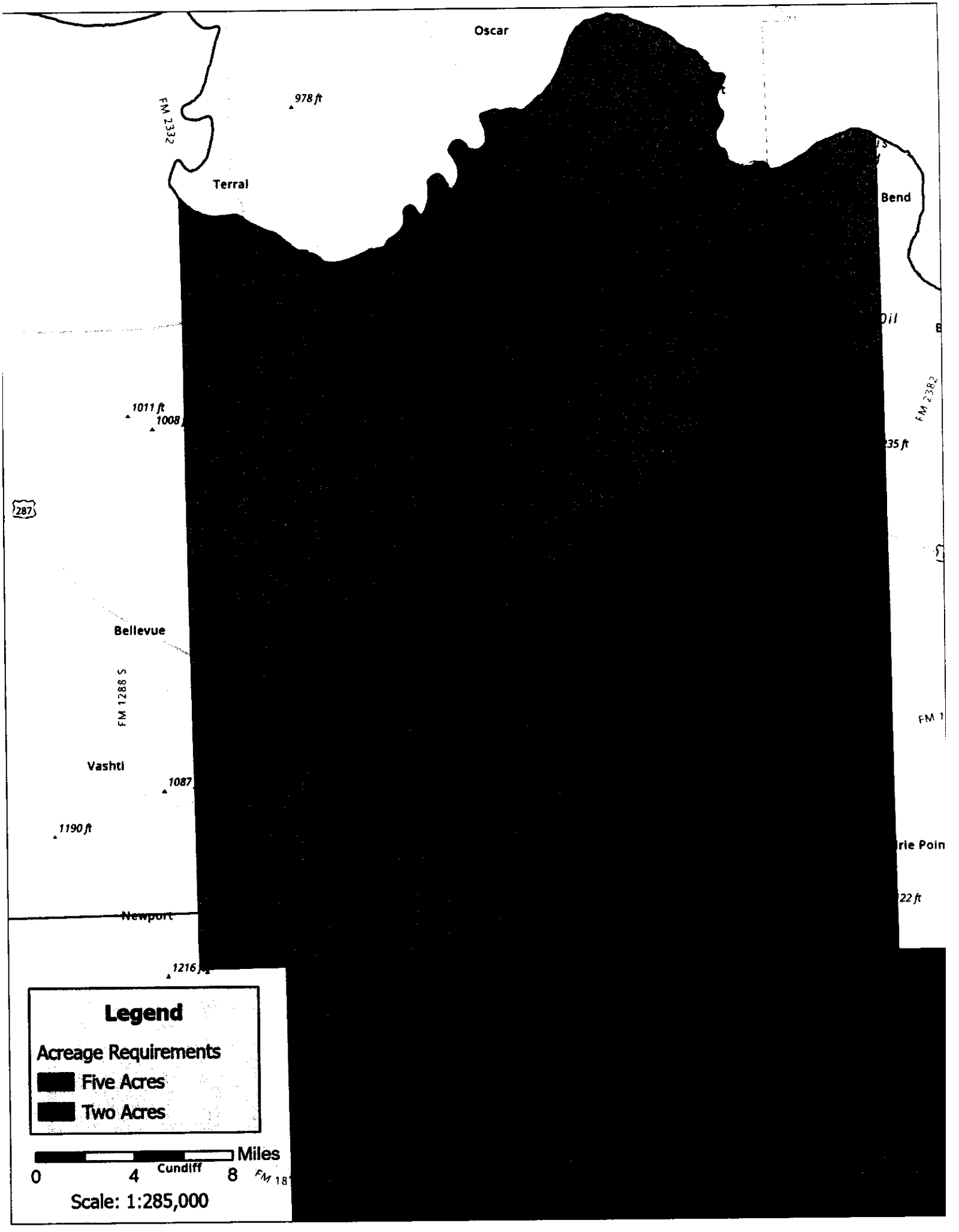
Denton
Lake
Lewisville
Flower Mound
35W
16
Possum
Kingdom
Lake
Mine
180
35W
Fort Worth
Arlington
35W
287
20
35W
Cleburne
35W
377
67
67
Legend
Acreage Requirements
Five Acres
Two Acres
Miles
0
10
20
Scale: 1:725,000
Stephenville
N
Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community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Newport
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Legend
Acreage Requirements
Five Acres
Two Acres
Miles
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Cundiff
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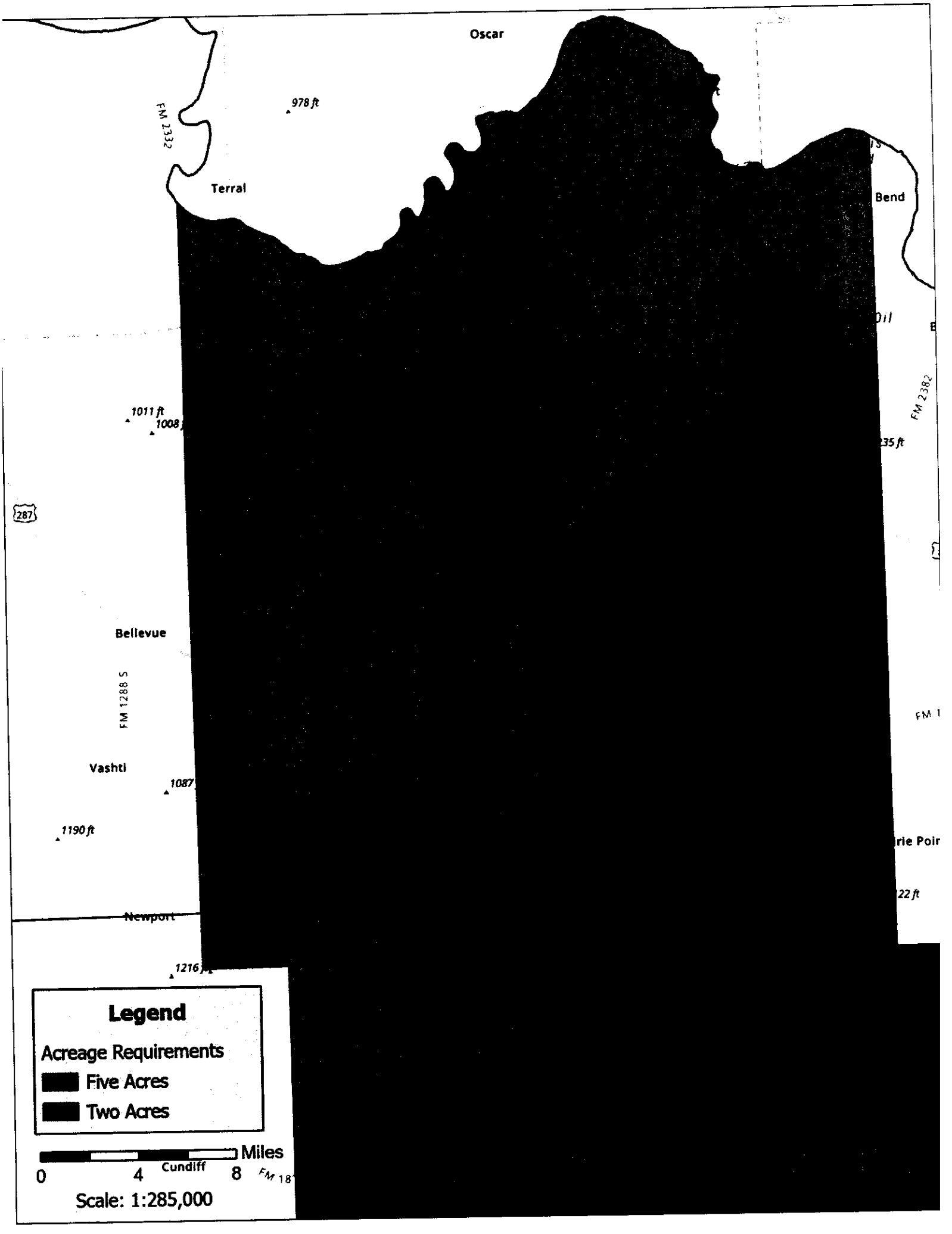
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Scale: 1:285,000