

# Groundwater Management Area 1

## Explanatory Report for Submittal of Desired Future Conditions to the Texas Water Development Board

1. Ogallala and Rita Blanca Aquifers
  - 1.1. Policy justification
  - 1.2. Technical justification
  - 1.3. Factor consideration
    - 1.3.1. Aquifer uses or conditions
    - 1.3.2. Water supply needs
    - 1.3.3. Water management strategies
    - 1.3.4. Hydrological conditions
      - 1.3.4.1. Total estimated recoverable storage (provided by TWDB)
      - 1.3.4.2. Average annual recharge
      - 1.3.4.3. Inflows
      - 1.3.4.4. Discharge
    - 1.3.5. Environmental impacts
      - 1.3.5.1. Springflow
      - 1.3.5.2. Groundwater/Surface Water interaction
    - 1.3.6. Subsidence impacts
    - 1.3.7. Socioeconomic impacts
    - 1.3.8. Private property impacts
    - 1.3.9. Achievement feasibility
    - 1.3.10. Other information
  - 1.4. Discussion of other desired future conditions considered
  - 1.5. Discussion of other recommendations
    - 1.5.1. Advisory committees
    - 1.5.2. Public comments
2. Dockum Aquifer
  - 2.1. Policy justification
  - 2.2. Technical justification
  - 2.3. Factor consideration
    - 2.3.1. Aquifer uses or conditions

- 2.3.2. Water supply needs
- 2.3.3. Water management strategies
- 2.3.4. Hydrological conditions
  - 2.3.4.1. Total estimated recoverable storage (provided by TWDB)
  - 2.3.4.2. Average annual recharge
  - 2.3.4.3. Inflows
  - 2.3.4.4. Discharge
- 2.3.5. Environmental impacts
  - 2.3.5.1. Springflow
  - 2.3.5.2. Groundwater/Surface Water interaction
- 2.3.6. Subsidence impacts
- 2.3.7. Socioeconomic impacts
- 2.3.8. Private property impacts
- 2.3.9. Achievement feasibility
- 2.3.10. Other information
- 2.4. Discussion of other desired future conditions considered
- 2.5. Discussion of other recommendations
  - 2.5.1. Advisory committees
  - 2.5.2. Public comments
- 3. Blaine Aquifer
  - 3.1. Policy justification
  - 3.2. Technical justification
  - 3.3. Factor consideration
    - 3.3.1. Aquifer uses or conditions
    - 3.3.2. Water supply needs
    - 3.3.3. Water management strategies
    - 3.3.4. Hydrological conditions
      - 3.3.4.1. Total estimated recoverable storage (provided by TWDB)
      - 3.3.4.2. Average annual recharge
      - 3.3.4.3. Inflows
      - 3.3.4.4. Discharge

- 3.3.5. Environmental impacts
  - 3.3.5.1. Springflow
  - 3.3.5.2. Groundwater/Surface Water interaction
- 3.3.6. Subsidence impacts
- 3.3.7. Socioeconomic impacts
- 3.3.8. Private property impacts
- 3.3.9. Achievement feasibility
- 3.3.10. Other information
- 3.4. Discussion of other desired future conditions considered
- 3.5. Discussion of other recommendations
  - 3.5.1. Advisory committees
  - 3.5.2. Public comments
- 4. Appendices (such as the Total Estimated Recoverable Storage report from the TWDB, applicable GAM runs, other supporting documentation as necessary to support the desired future conditions report)

Seymour Aquifer - The districts must submit to the TWDB the following documentation for the portion of the aquifer proposed to be classified as non-relevant:

1. A description, location, and/or map of the aquifer or portion of the aquifer;
2. A summary of aquifer characteristics, groundwater demands, and current groundwater uses, including the total estimated recoverable storage as provided by the TWDB, that support the conclusion that desired future conditions in adjacent or hydraulically connected relevant aquifer(s) will not be affected; and
3. An explanation of why the aquifer or portion of the aquifer is non-relevant for joint planning purposes.