



# **Kansas Department of Agriculture**

## **Division of Water Resources**

### **DETERMINATION/ADMINISTRA TION OF AN OVER APPROPRIATED BASIN**

The background features a large, dark, semi-circular globe-like shape on the right side. To its left, there are faint, light-colored technical diagrams and circular patterns, possibly representing water management systems or geological structures. The overall color palette is dark with hints of blue and yellow.

# **ENHANCED WATER MANAGEMENT IN THE OGALLALA - KANSAS**

# **OGALLALA ADVISORY**

## **COMMITTEE**

**Directed by Kansas Water Office – Key Recommendations**

- 1. Focus on decreasing depletion and extending the life of the aquifer – not stop depletion.**
- 2. Use incentive based approach – use state regulations if incentives are not successful.**
- 3. Exercise all existing regulations to enforce compliance with current diversion limits.**
- 4. Consider economic impacts of water management options.**
- 5. Variability of aquifer must be considered by hydrologic subunits.**
- 6. Each groundwater management district be required to prepare protocol to address**

# PROTOCOL CONCEPTS

## THRESHOLD PUMPING RATES

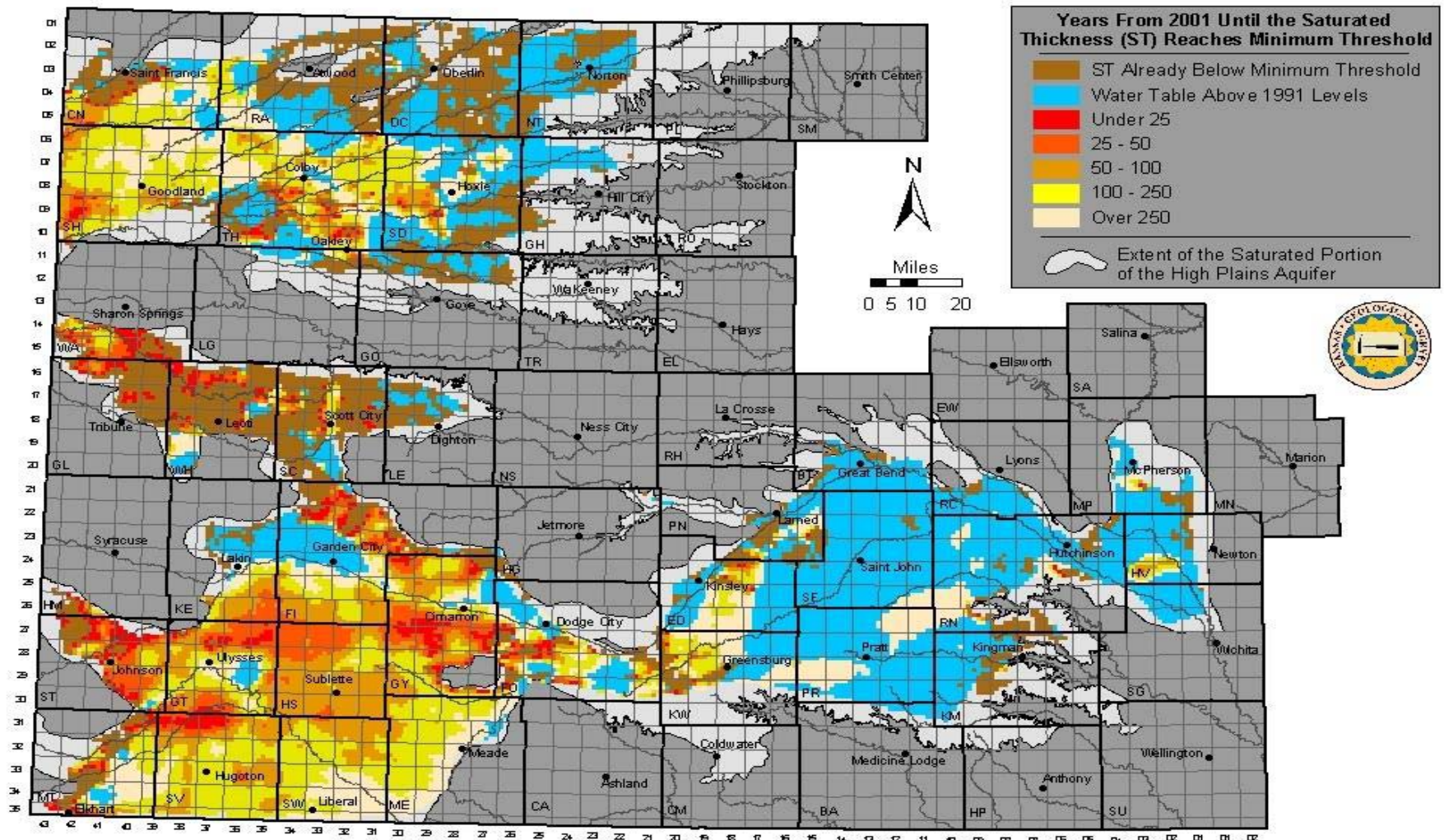
- Related saturated thickness to pumping rate
- Irrigated corn
- Center pivot on 130 acres

The minimum practical pumping rate presumed to be about 400 gal./min.



# PROTOCOL CONCEPTS

## PROJECTED USABLE LIFETIME



# **ENHANCED WATER MANAGEMENT** **PROTOCOLS**

## **INCLUDE A:**

- \*Method for defining aquifer subunits**
- \*Commitment to set priorities of high, medium and low on each subunit**

## **DISTRICTS MUST:**

- \*Add the protocol to the general management program**
- \*Hold a public hearing and approve by the Board**
- \*Obtain approval from the Division of Water**