

# Ground and Surface Water Management Strategies In South Dakota

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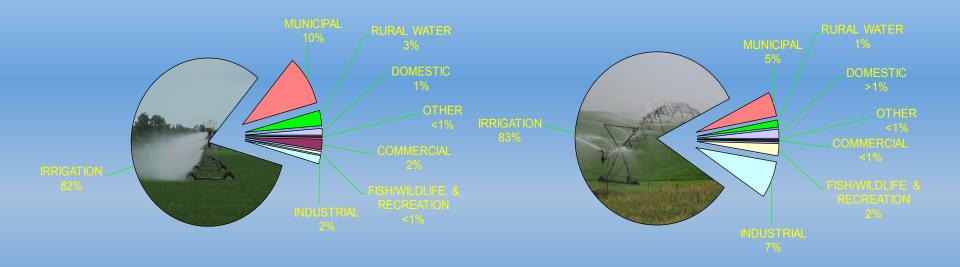
SD Dept of Environment and Natural Resources



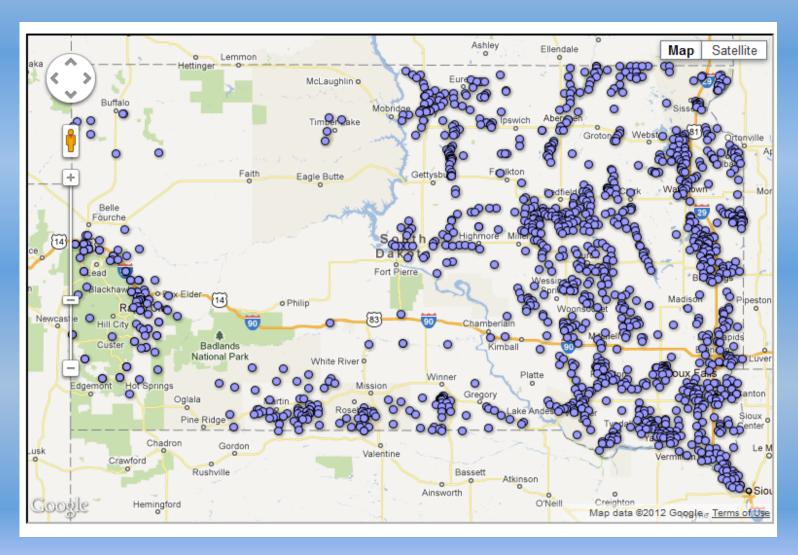
## Water Appropriations by Type of Use in South Dakota

(based upon diversion rate)

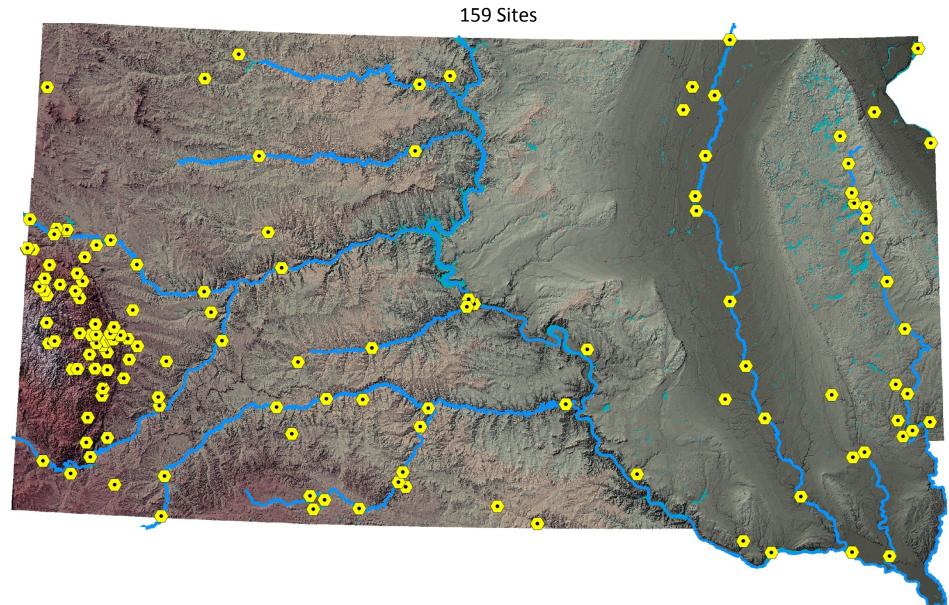
#### Ground Water Surface Water



Approximately 1,600 wells in Observation Well Network

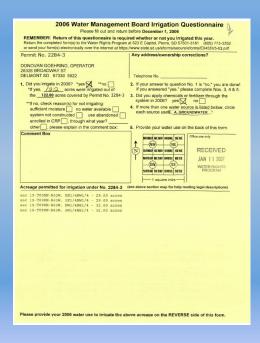


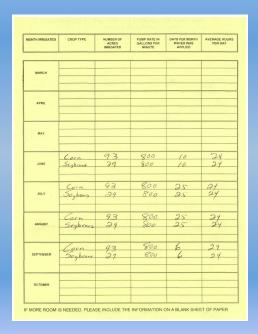
Stream Flow Gaging Stations 159 Sites



Hydrology studies are available that map ground water resources in South Dakota and provide data for estimating the average annual recharge of aquifers.

#### Annual Irrigation Water Use Questionnaire





#### and when all else fails

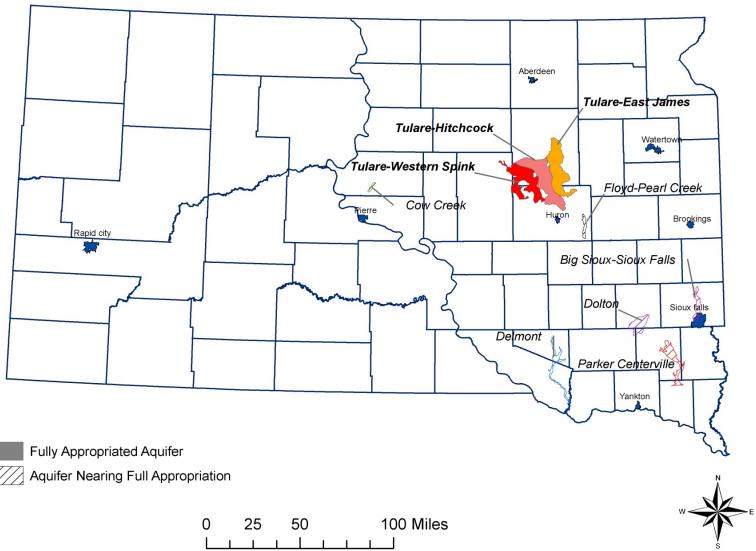


## No Mining of Groundwater

### South Dakota Codified Law 46-6-3.1

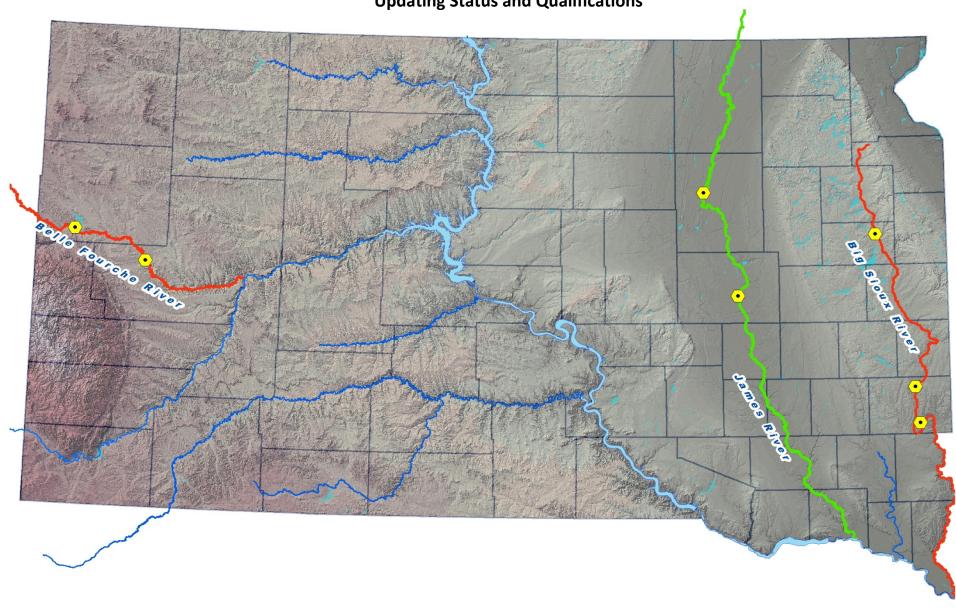
No application to appropriate groundwater may be approved if, according to the **best information** reasonably available, it is probable that the quantity of water withdrawn annually from a groundwater source will exceed the quantity of the average estimated annual recharge of water to the groundwater source.

## FULLY APPROPRIATED AQUIFERS AND AQUIFERS NEARING FULL APPROPRIATION



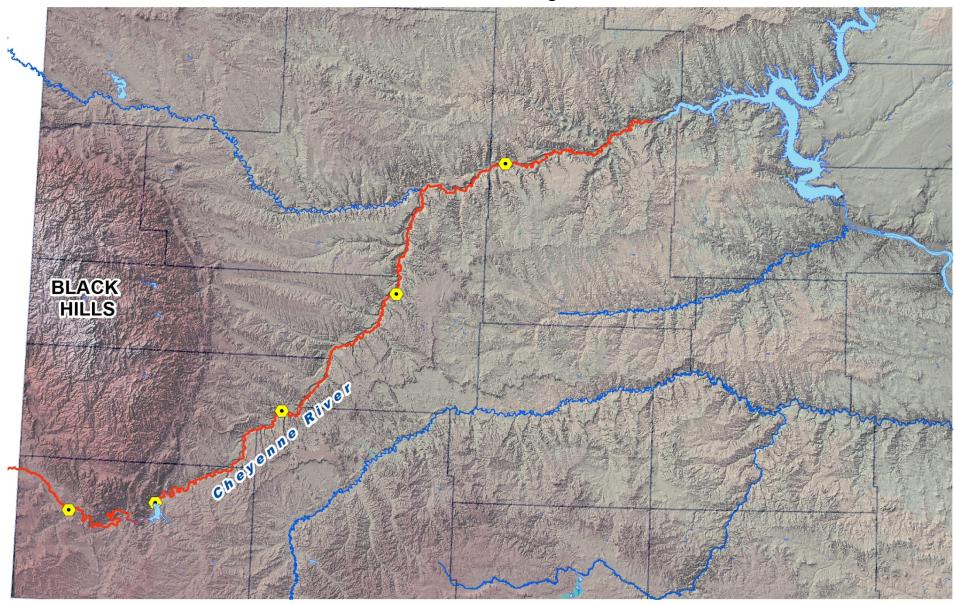


## Surface Water Management Updating Status and Qualifications



#### **Surface Water Management**

**More Active Management** 





## Thank You

