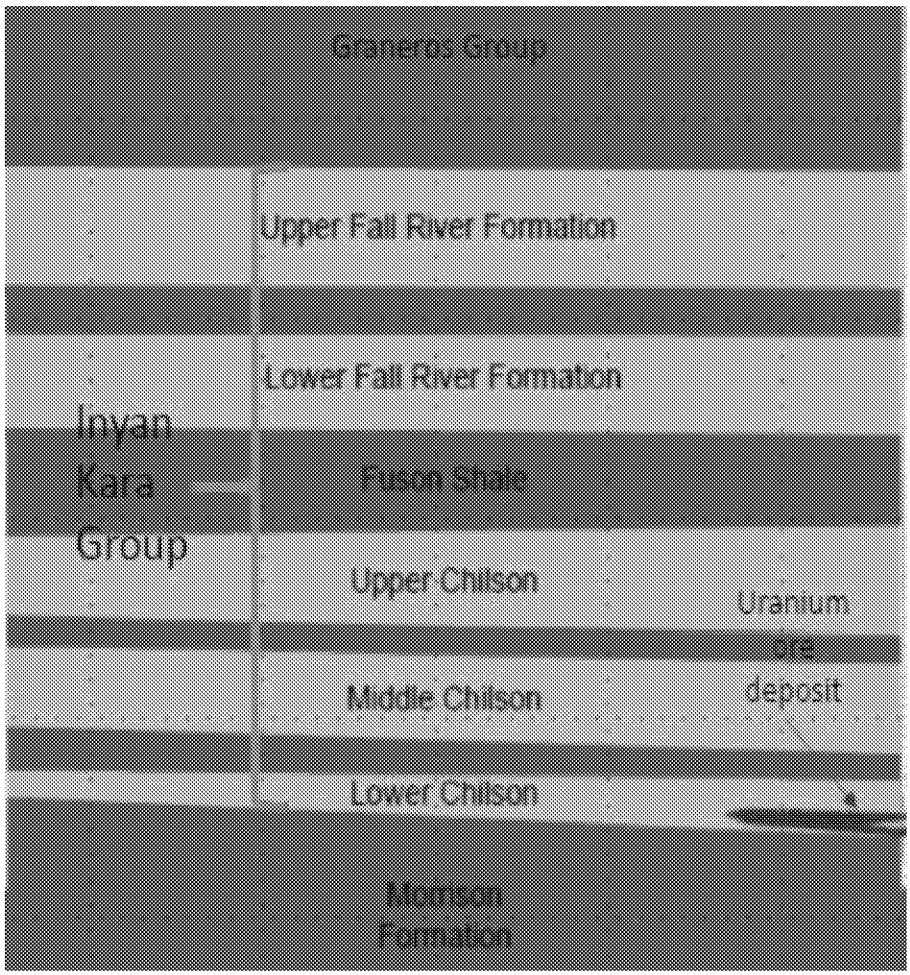
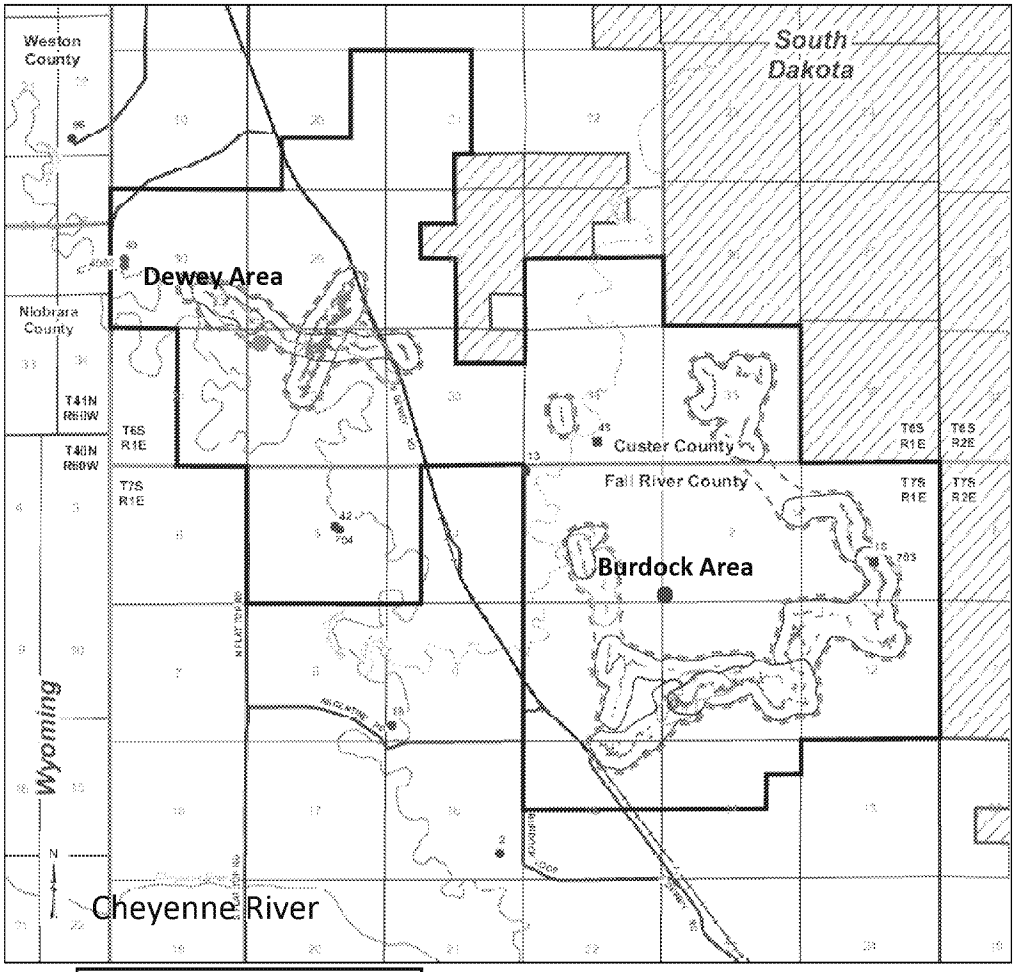
Vertical Extent of the Aquifer Exemption Boundary



Dewey Burdock Proposed Class III Wellfields and Aquifer Exemption Area



Legend

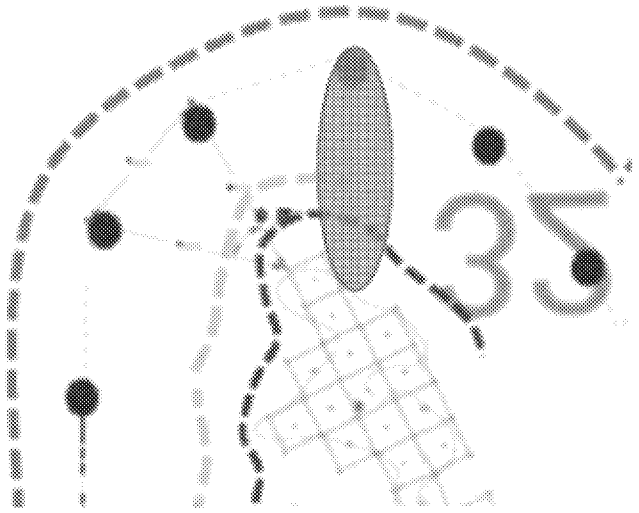
- Project Boundary
- Proposed Aquifer Exemption Boundary
- Black Hills National Forest

Potential Wellfields

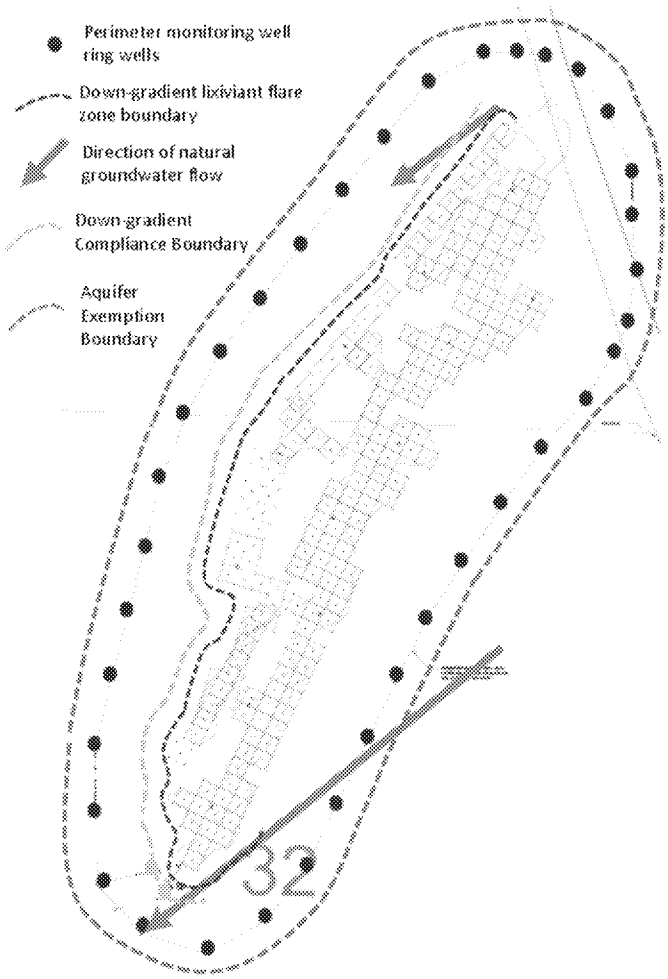
- Lower Fall River
- Upper Chilson
- Middle/Lower Chilson

- Deep Injection Well #1
- Deep Injection Well #3

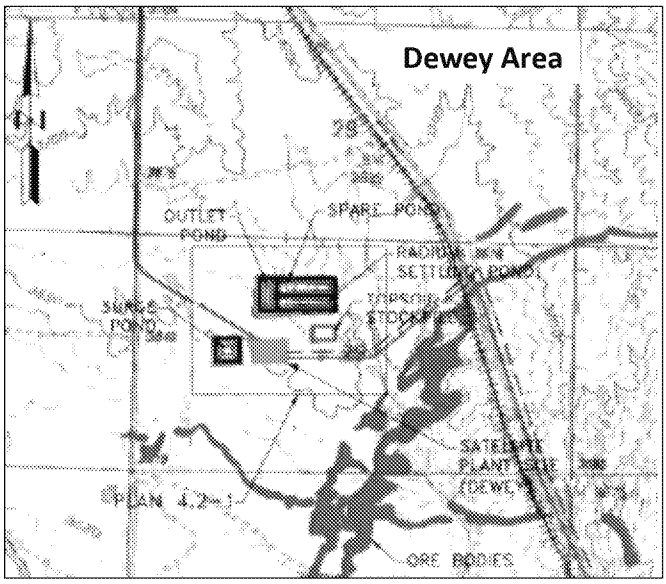
Excursion Monitoring

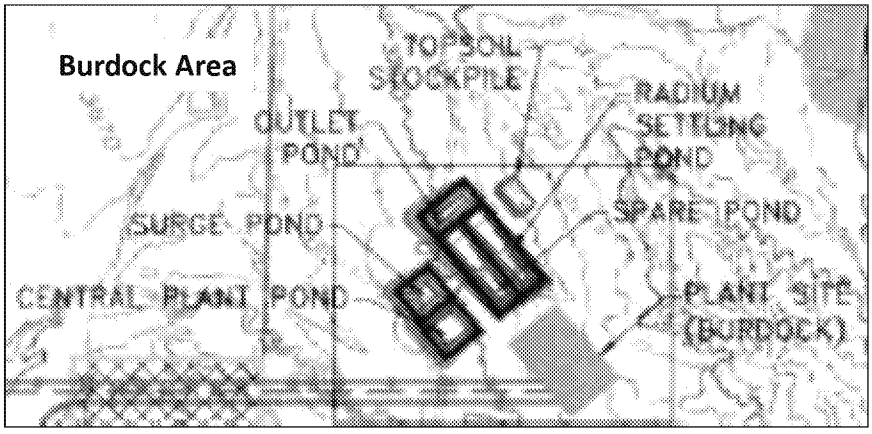


Example of a horizontal excursion within the injection interval aquifer


Perimeter monitoring well ring wells
Down-gradient lixiviant flare zone boundary
Direction of natural groundwater flow
Down-gradient Compliance Boundary
Aquifer Exemption Boundary
32

Treatment and Storage Ponds for Deep Well Injectate





Deep Class V Injection Wells