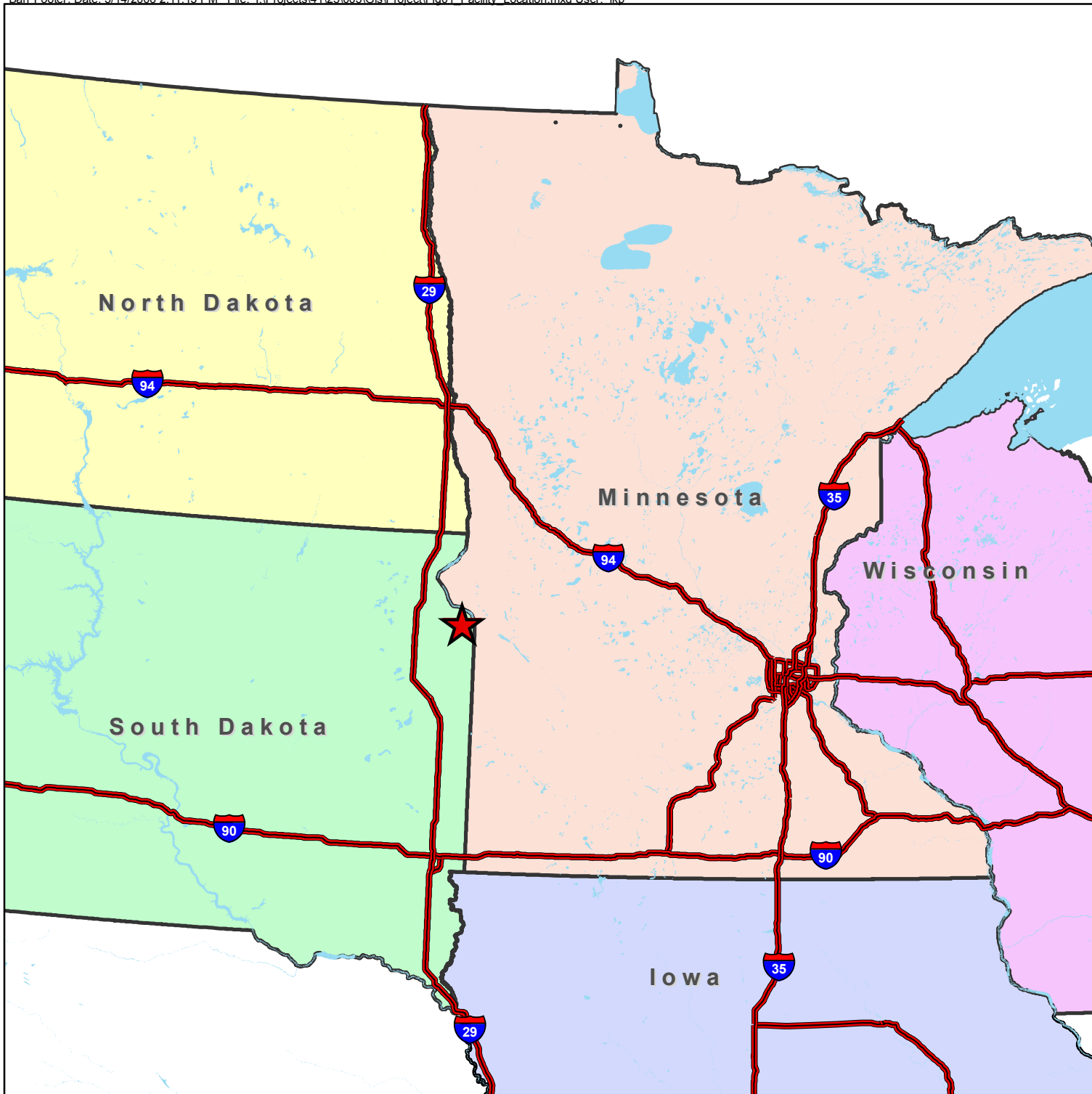


0 25 50 100

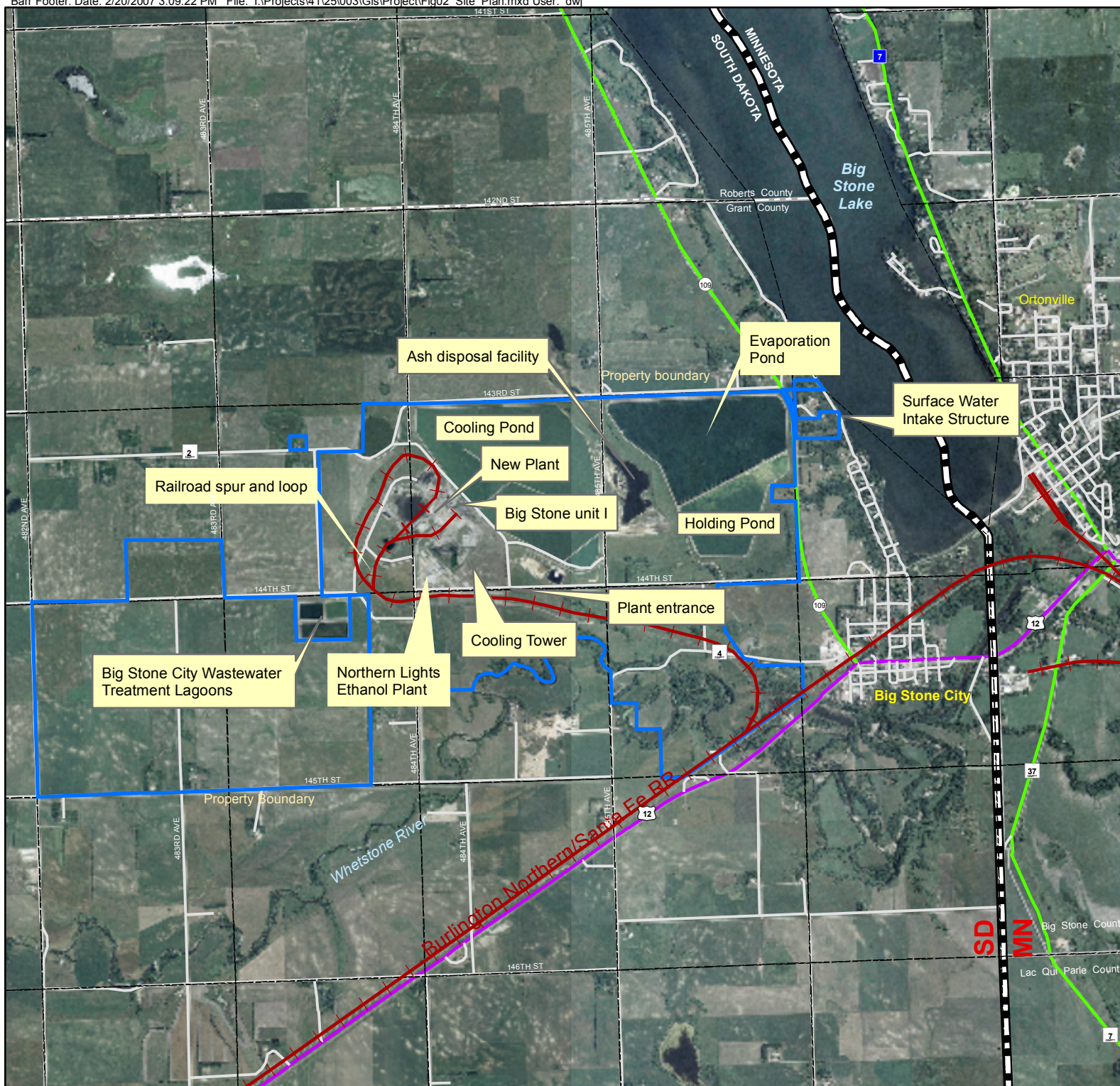
Miles

0 50 100 200

Kilometers

Figure 1

FACILITY LOCATION



- Property Boundary
- BNSF Railroad
- Project Features
- Sections



2,000 0 2,000
Feet

500 0 500
Meters

Figure 2
SITE PLAN

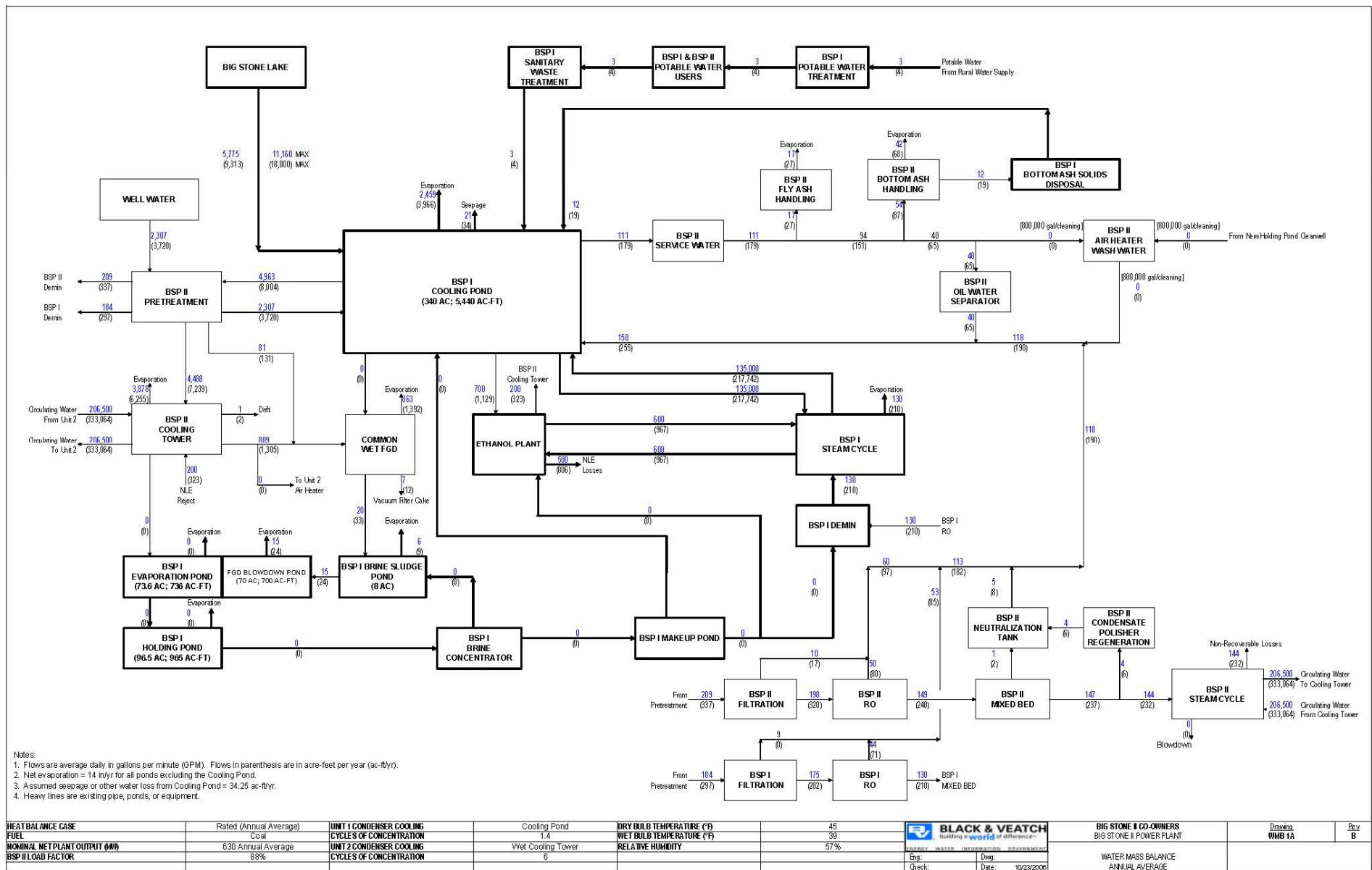


Figure 3
Water Balance

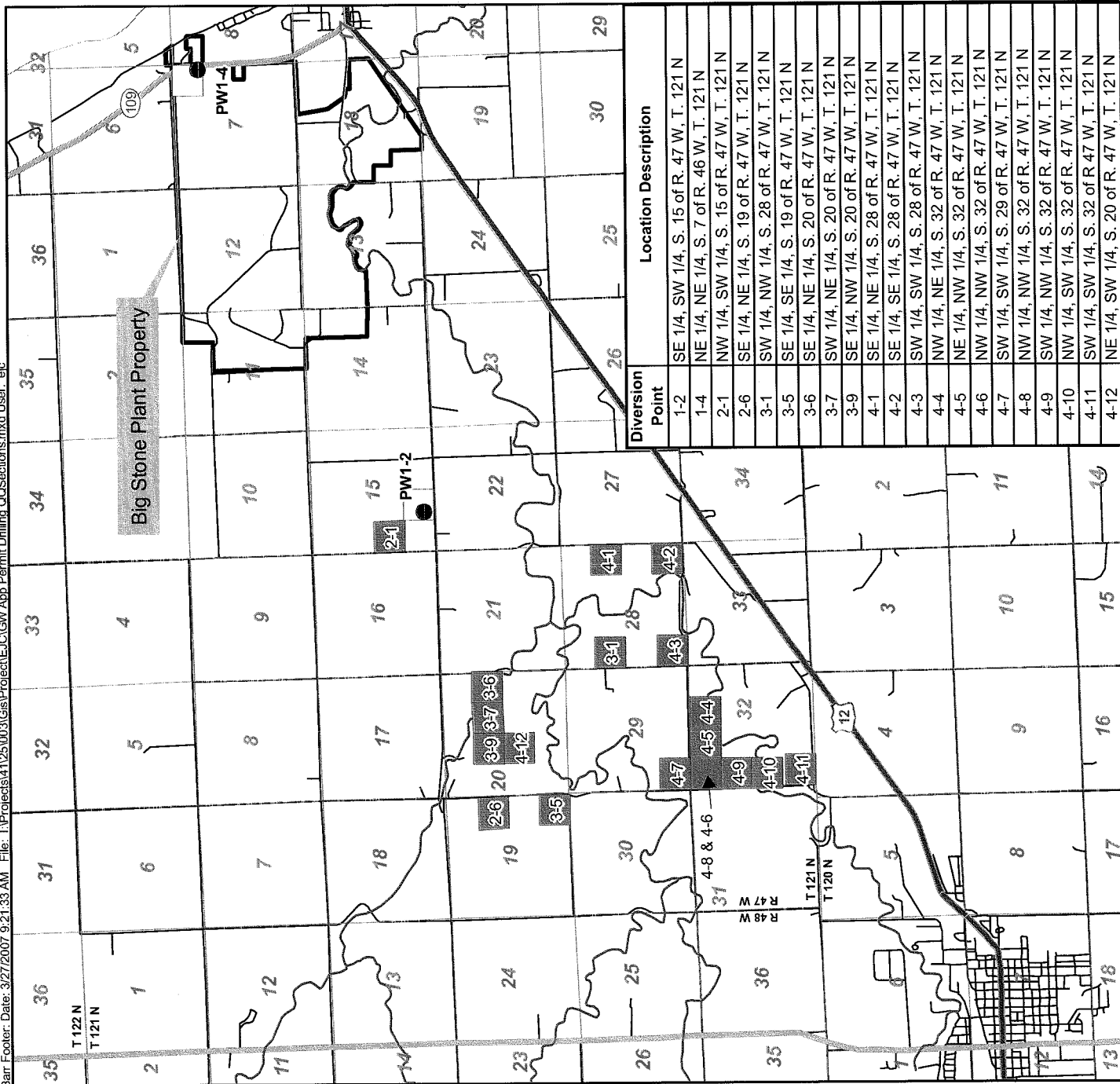


Figure 4

GROUNDWATER WITHDRAWAL SYSTEM WELL LOCATIONS

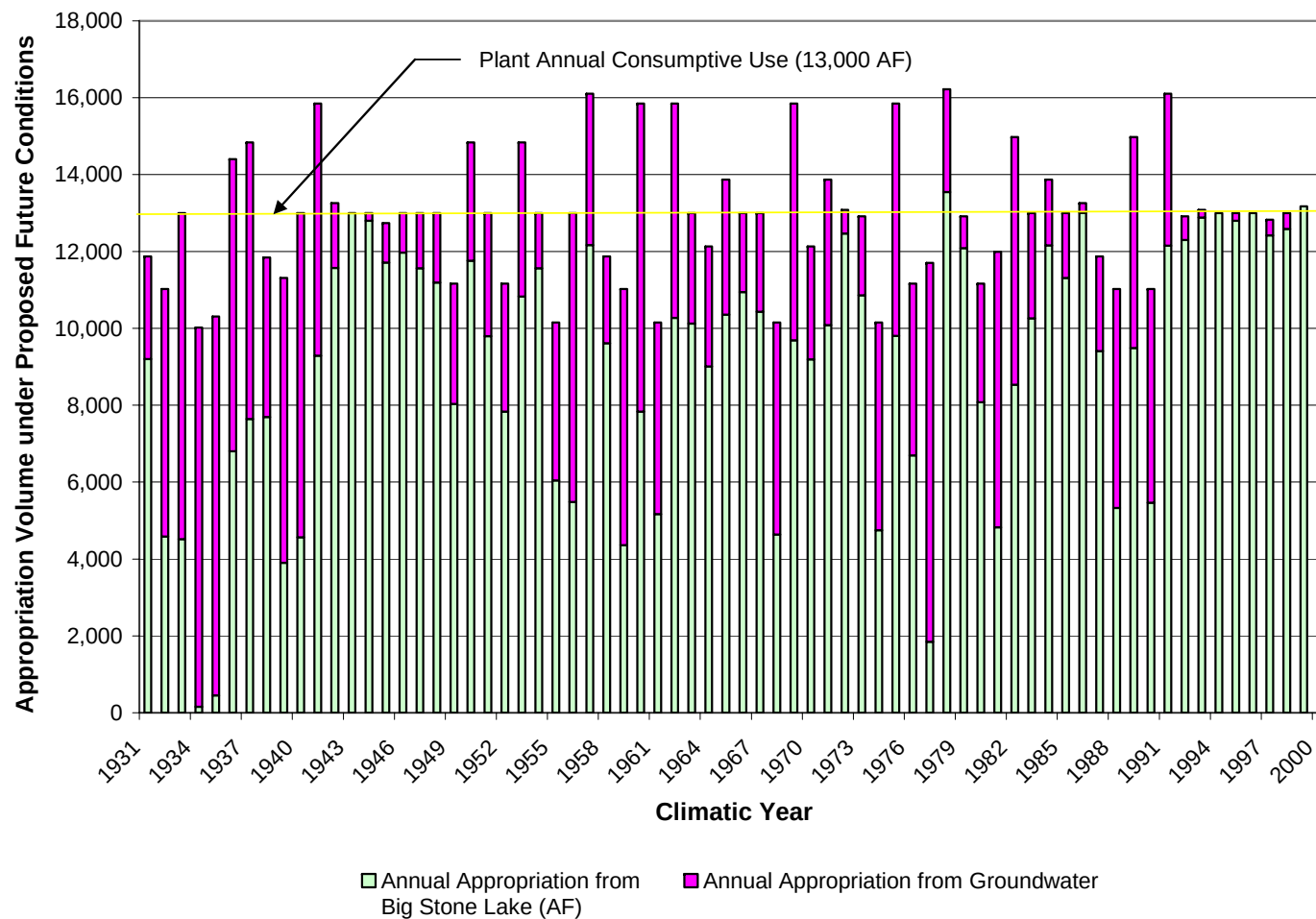


Figure 5
Modeled Surface Water and Groundwater
Appropriation Volumes
(Proposed Future Operations Given Past
Climatic Conditions)

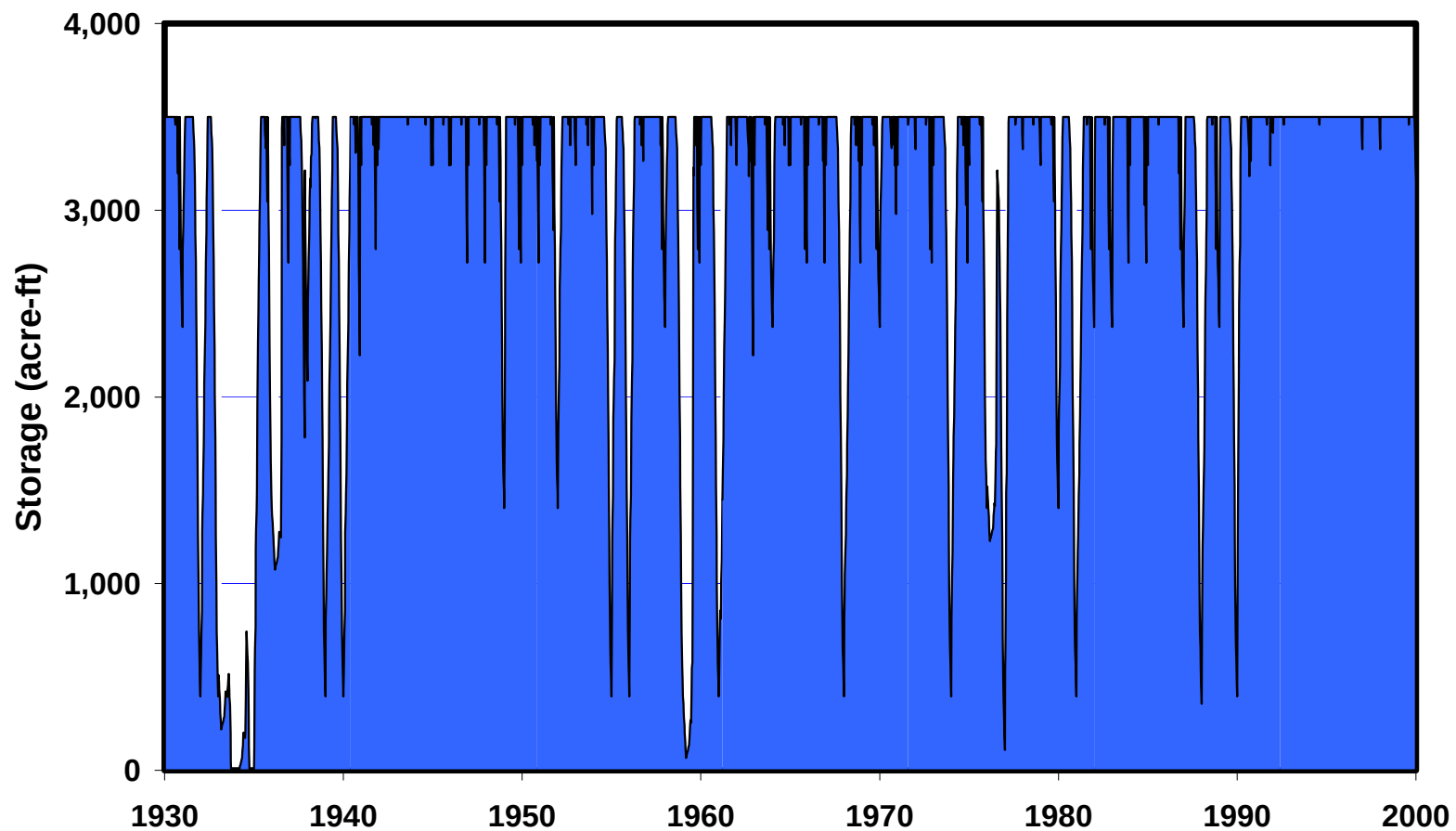


Figure 6
Modeled Available Pond Storage Volume

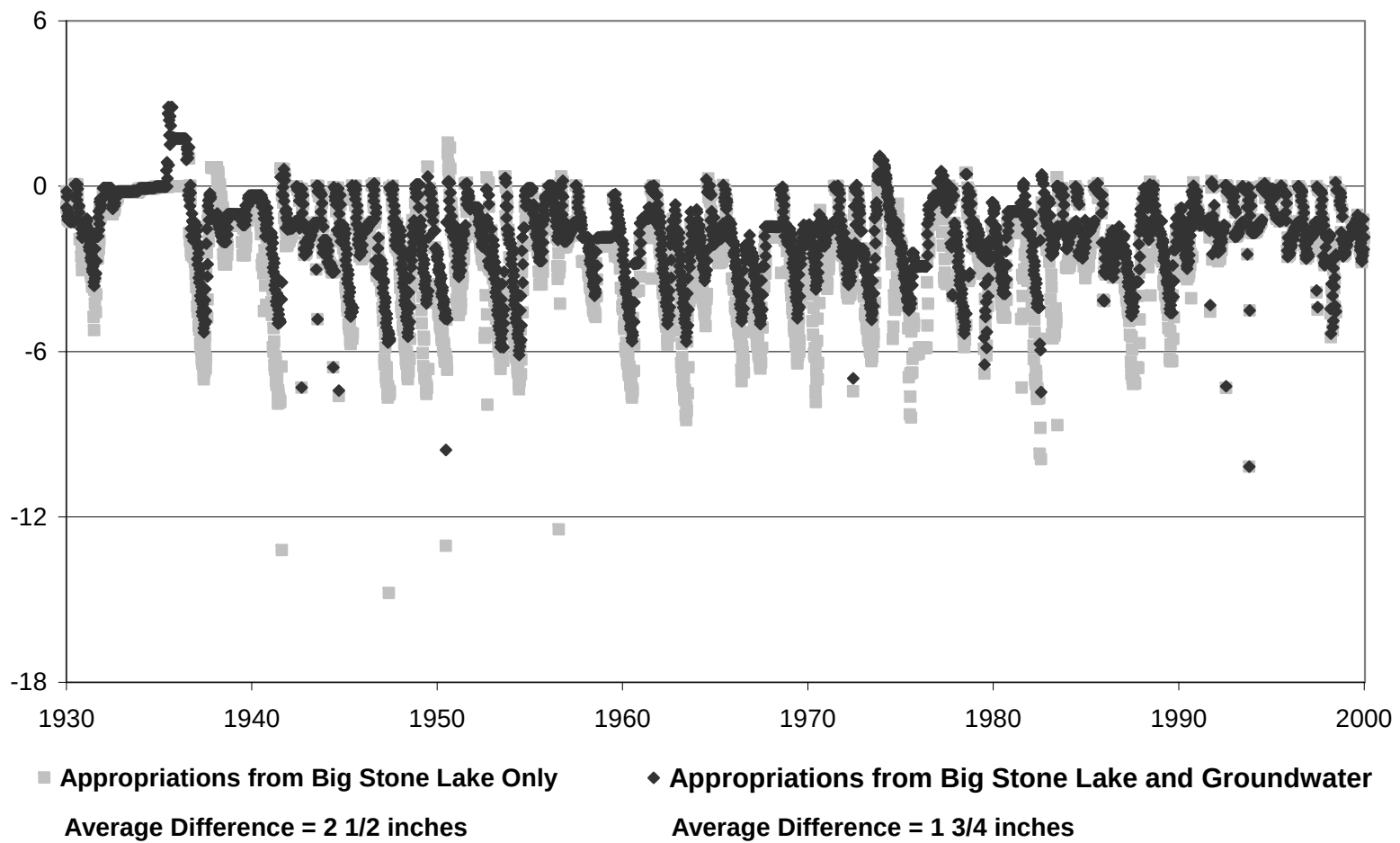


Figure 7
Appropriations' Effect on
Big Stone Lake Levels

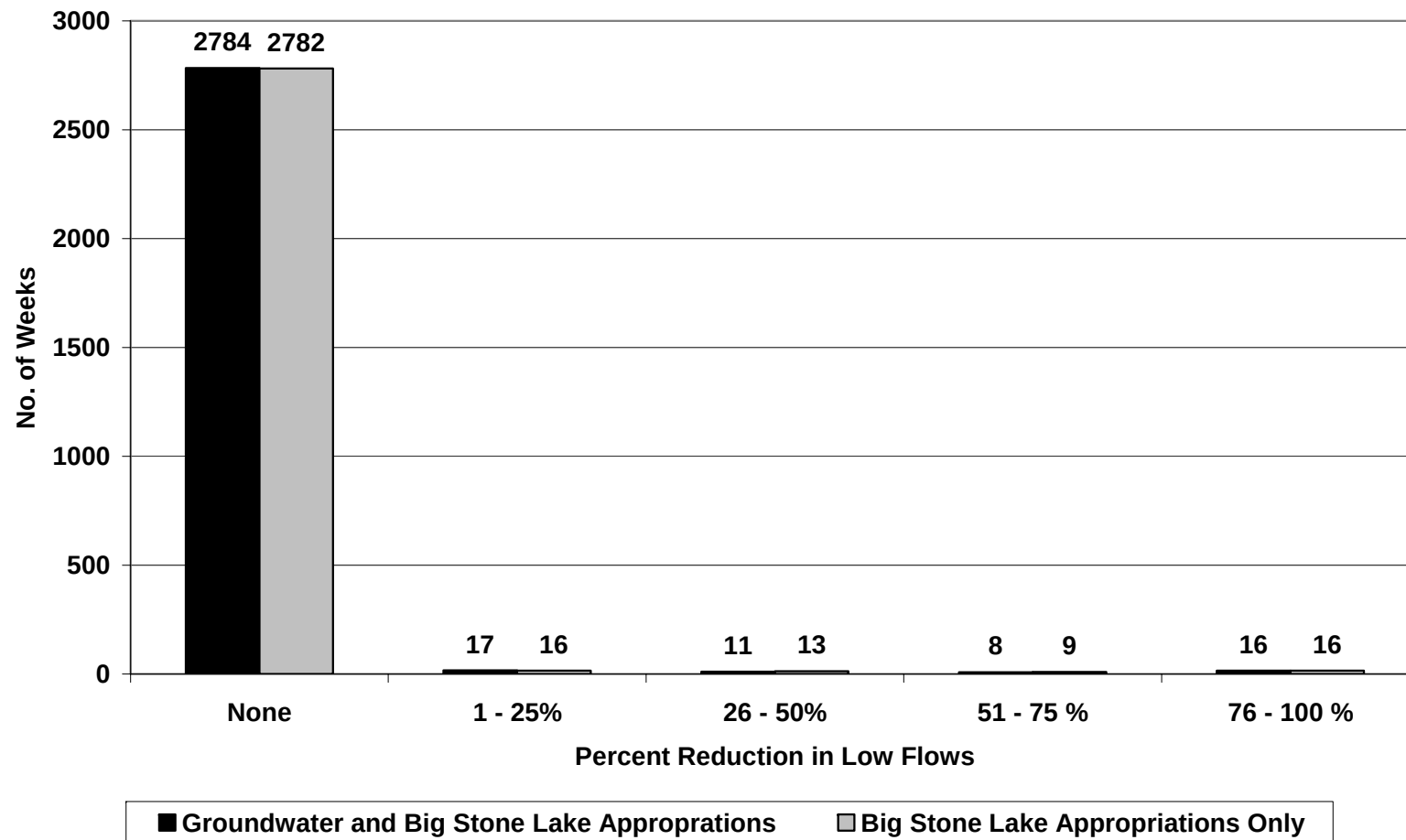
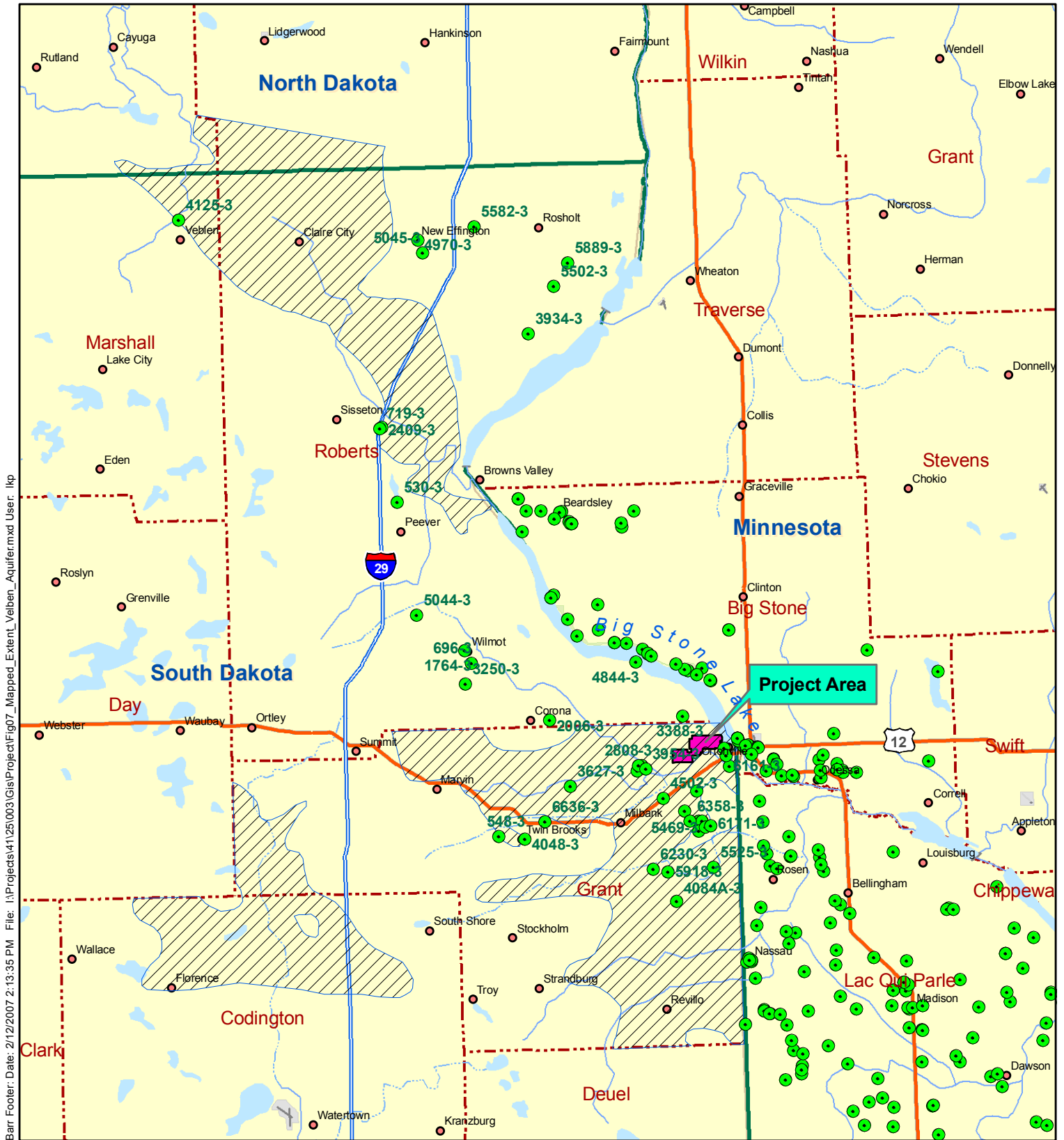


Figure 8
Appropriations' Effect on
Minnesota River Flows



Barr Footer: Date: 2/12/2007 2:13:35 PM File: I:\Projects\41125\003\Gis\Project\Fig07_Mapped_Extent_Velben_Aquifer.mxd User: lkp

LEGEND

- Wells
- Cities
- Project Site
- County Boundaries
- ▨ Extent of Velben Aquifer, as mapped by Hansen (1990)

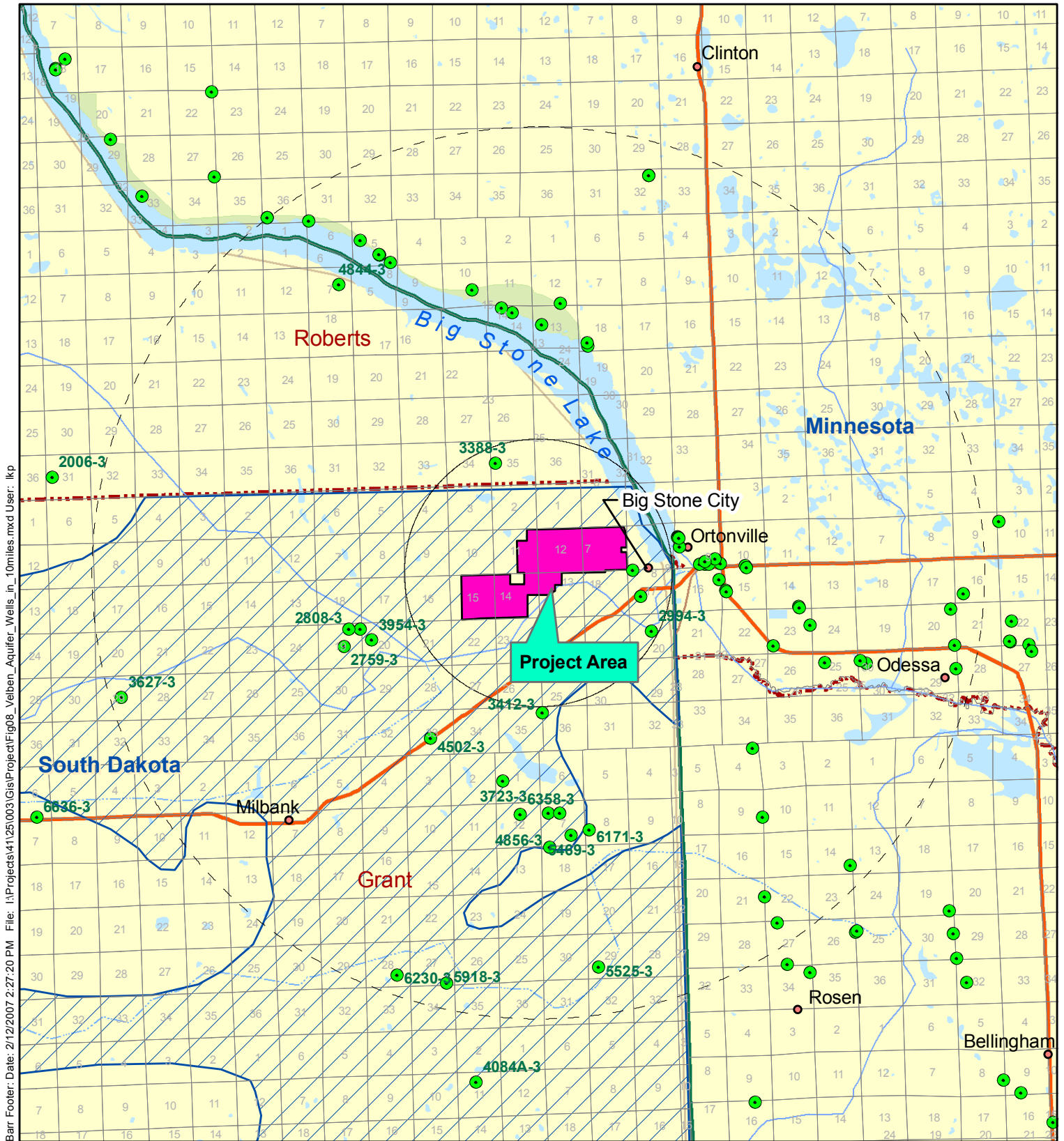


1 inch equals 10 miles



Figure 9

MAPPED EXTENT OF
VELBEN AQUIFER AND
EXISTING WELL LOCATIONS



LEGEND

- Wells
- Cities
- County Boundaries
- Extent of Veblen Aquifer, as mapped by Hansen (1990)
- Section Lines
- Project Site
- 3 Mile Radius
- 10 Mile Radius

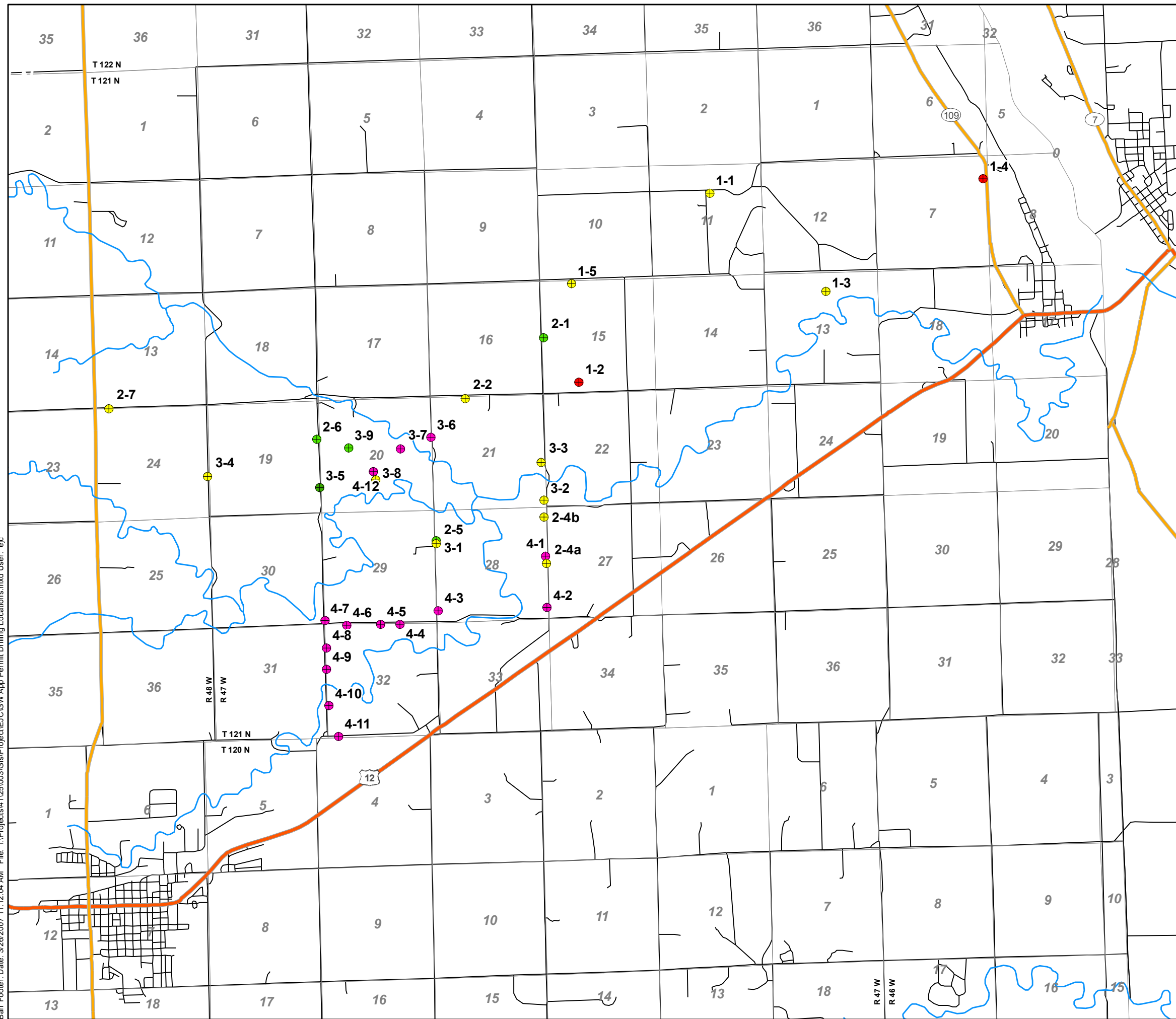


1 inch equals 3 miles



Figure 10

WELLS WITHIN 10 MILES
OF BIG STONE PLANT



- Completed Pilot Hole
- Completed Pumping Well
- Recommended Pumping Well
- Proposed Pilot Hole
- Stream
- U.S. Highway
- State Highway
- Local Road
- Section Line

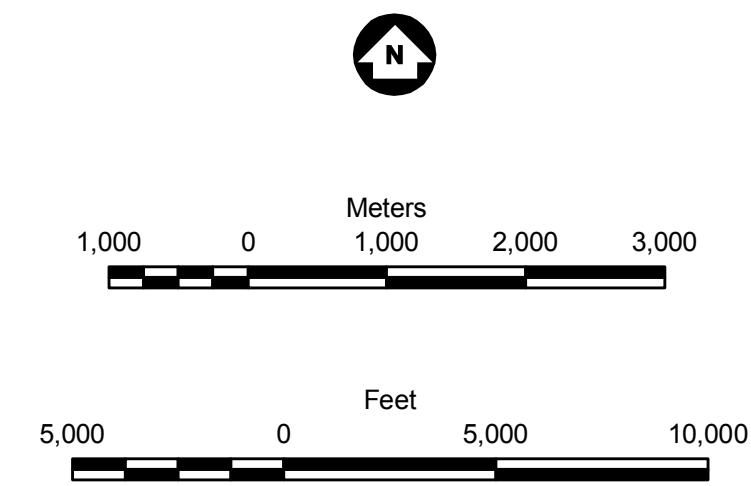
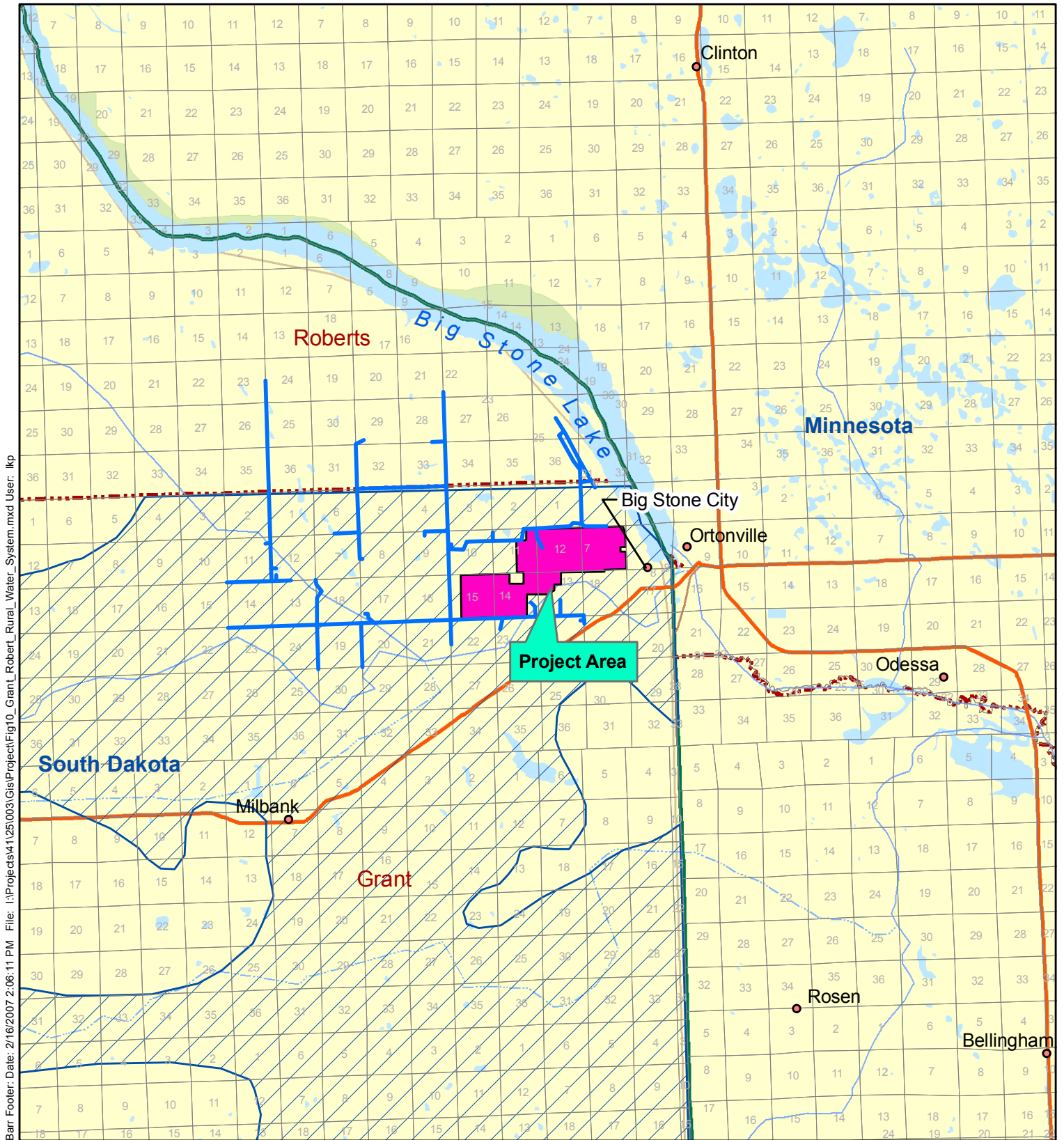


Figure 11
GROUNDWATER SUPPLY EVALUATION
DRILLING LOCATIONS



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LEGEND

- Cities
- County Boundaries
- Rural Water Supply Line
- Extent of Velben Aquifer, as mapped by Hansen (1990)

- Section Lines
- Project Site



1 inch equals 3 miles



Figure 12

GRANT-ROBERT RURAL
WATER SYSTEM IN
PLANT VICINITY