

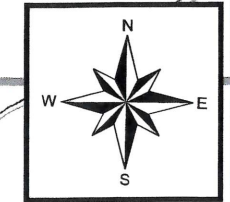
NE3109507

T 03N  
T 02N

R 01E R 02E

R 02E R 03E

T 03N  
T 02N



- A-010553D Siphon Well #1
- A-010553H Siphon Well #3
- A-010553G Well #3
- A-010553F Siphon Well #2
- A-010553C Well #1
- A-010553C Siphon Well #1

Wellhead Protection Area Boundary

Fairbury

Co Rd 223

Little Blue River

Chicago Rock Island and Pacific RR

Union Pacific RR

A-10553H Infiltration Gallery

G-096478 Well 97-1

G-068253 Well 80-1

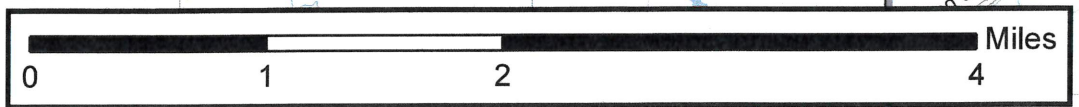
G-032647 Well 70-1

**Time of Travel**

- 0-1 Year
- 1-2 Year
- 2-10 Year
- 10-20 Year
- 20-50 Year

Fairbury's Public Water System is designated as Ground water Under the Direct Influence of Surface Water due to the infiltration gallery. Time-of-Travel (TOT) lines were created for each municipal well using the numerical ground water model MODFLOW. This model is a representation of reality based on the best known geologic, water level, and pumping information available.

The wellhead protection boundary was deliberately drawn slightly larger than time-of-travel lines shown on the map to allow for seasonal changes and some natural variability in the aquifer. The wellhead protection boundary is also drawn to conform to property boundaries, section lines, and water bodies to allow for easier land management and identification.



**FAIRBURY**  
**JEFFERSON COUNTY**  
Drawn by WSP USA, Inc. and approved  
by Nebraska Department of  
Environmental Quality, Wellhead  
Protection Program, April 2018

R 01E R 02E

R 02E R 03E

T 02N  
T 01N

T 02N  
T 01N