

Legend

- Background Levels of Nitrate (less than 1)
- Anthropogenic Nitrate Effect 0

Elevated Nitrate Effect

High Nitrate Effect

High: Nitrate 20 mg/L or greater

Elevated: Nitrate 10 to 20 mg/L

General Area Boundary

Anthropogenic: Nitrate 1 to 10

Hanford

mg/L

Highways

Simplified Major Structures

Canals, Creeks, Canyons

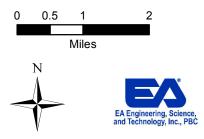
Figure 9.1. Richland Wye and Badger Coulee Area Nitrate in Alluvial Wells Historic Data (1971 - 2011) Benton County, WA

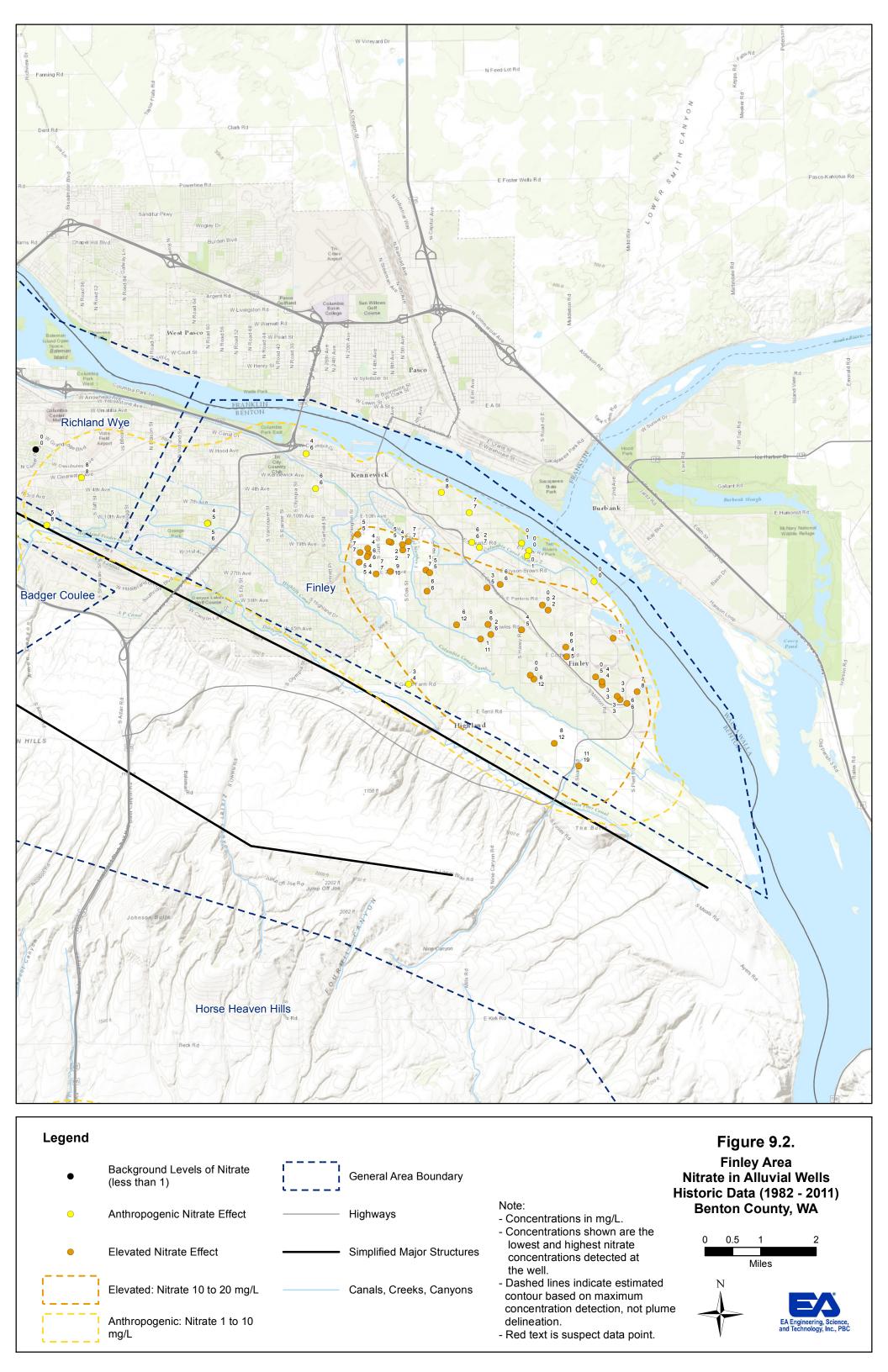
Note:

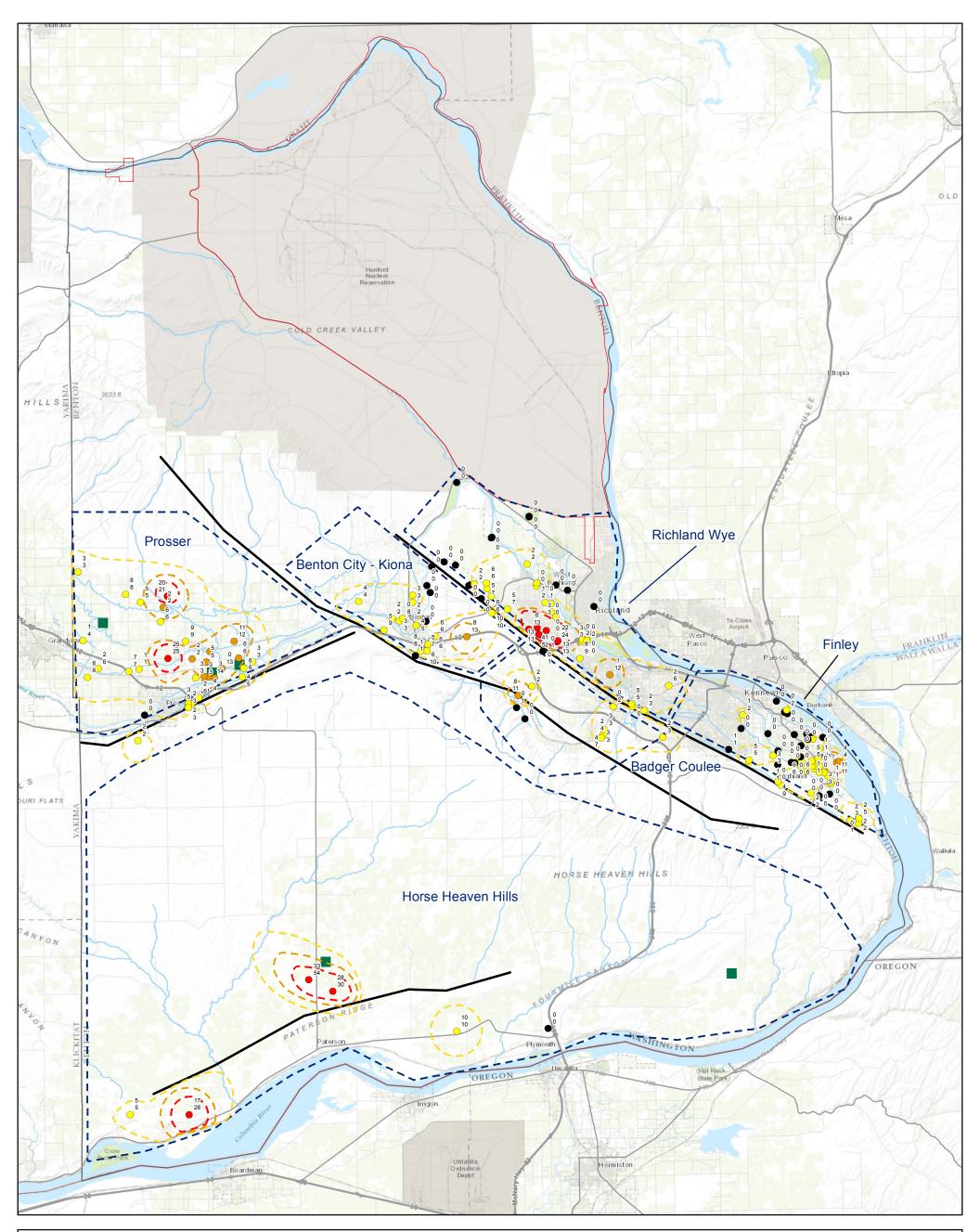
- Concentrations in mg/L.

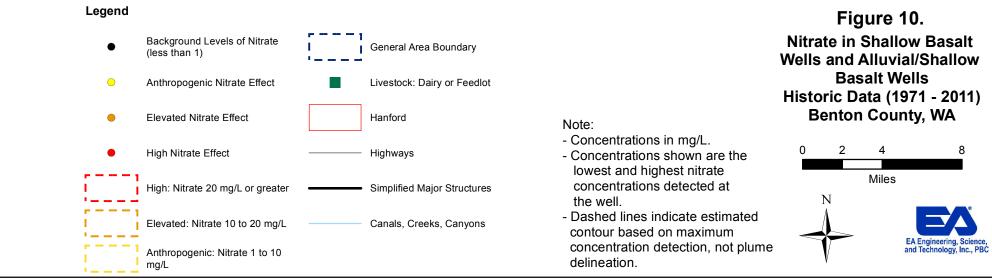
- Concentrations shown are the lowest and highest nitrate concentrations detected at the well.

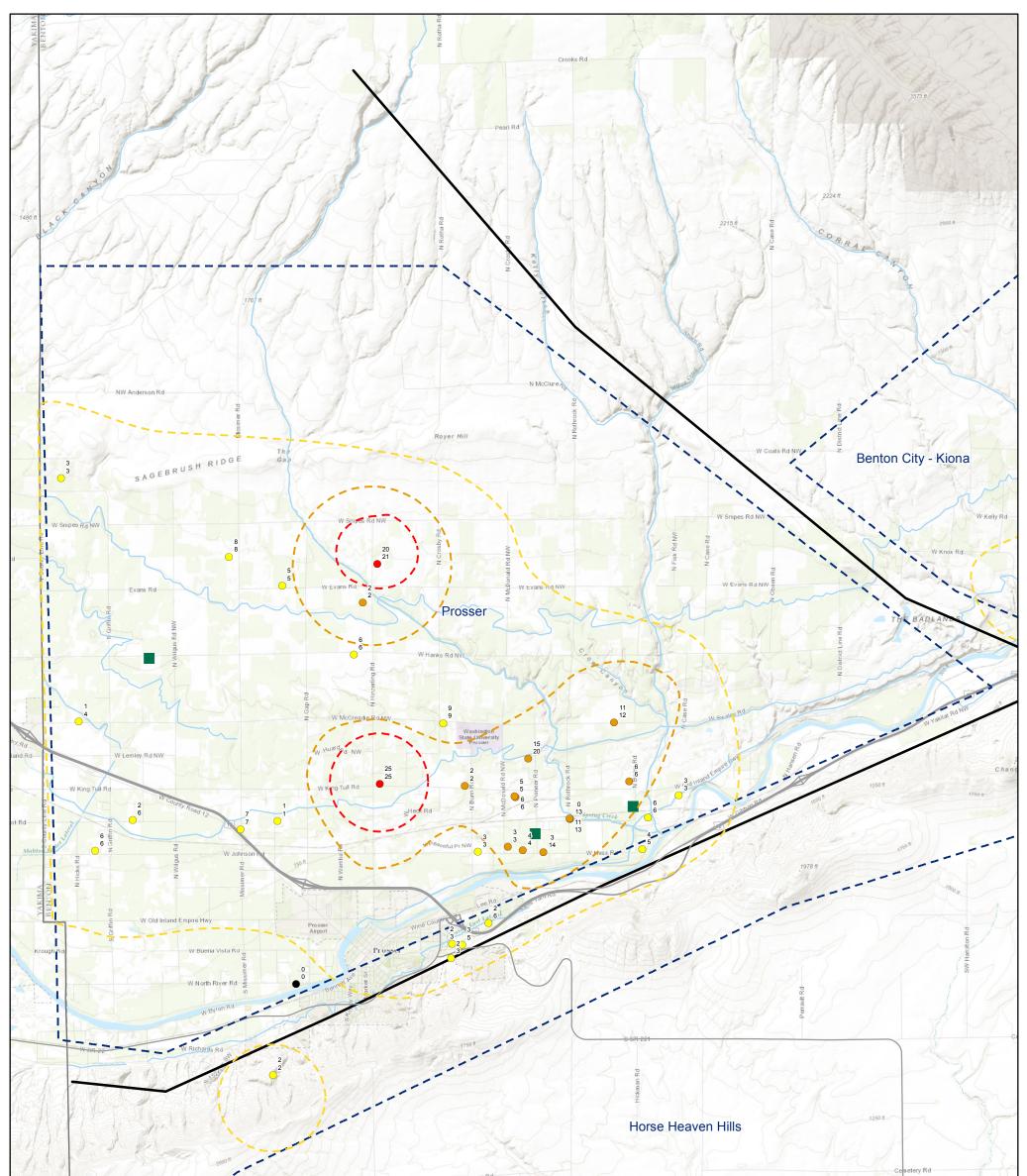
- Dashed lines indicate estimated contour based on maximum concentration detection, not plume delineation.













Legend

- Background Levels of Nitrate (less than 1)
- Anthropogenic Nitrate Effect

Elevated Nitrate Effect

____ mg/L General Area Boundary

Highways

Livestock: Dairy or Feedlot

Anthropogenic: Nitrate 1 to 10

- High Nitrate Effect
- ____

Elevated: Nitrate 10 to 20 mg/L

- Canals, Creeks, Canyons

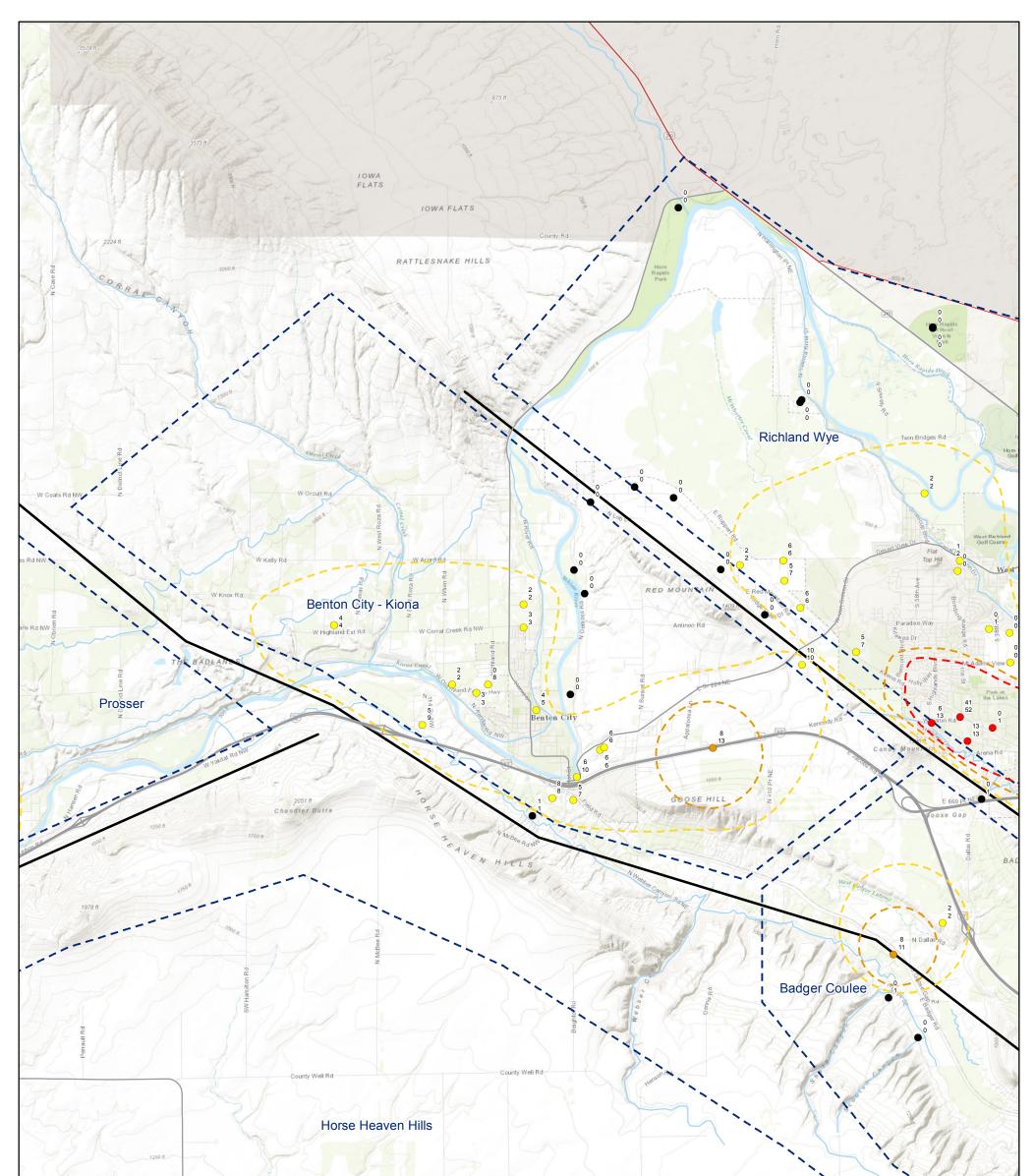
Note:

- Concentrations in mg/L.
- Concentrations shown are the lowest and highest nitrate concentrations detected at the well.
- Dashed lines indicate estimated contour based on maximum concentration detection, not plume delineation.

Figure 10.1.

Prosser Area Nitrate in Shallow Basalt Wells and Alluvial/Shallow Basalt Wells Historic Data (1971 - 2011) Benton County, WA

0 0.5 1 2 Miles





Legend

 Background Levels of Nitrate (less than 1)

High: Nitrate 20 mg/L or greater

Elevated: Nitrate 10 to 20 mg/L

- Anthropogenic Nitrate Effect
- Elevated Nitrate Effect
- High Nitrate Effect
- General Area Boundary
 - Hanford

mg/L

- ——— Highways
- Simplified Major Structures

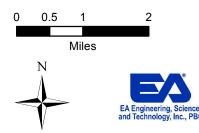
Anthropogenic: Nitrate 1 to 10

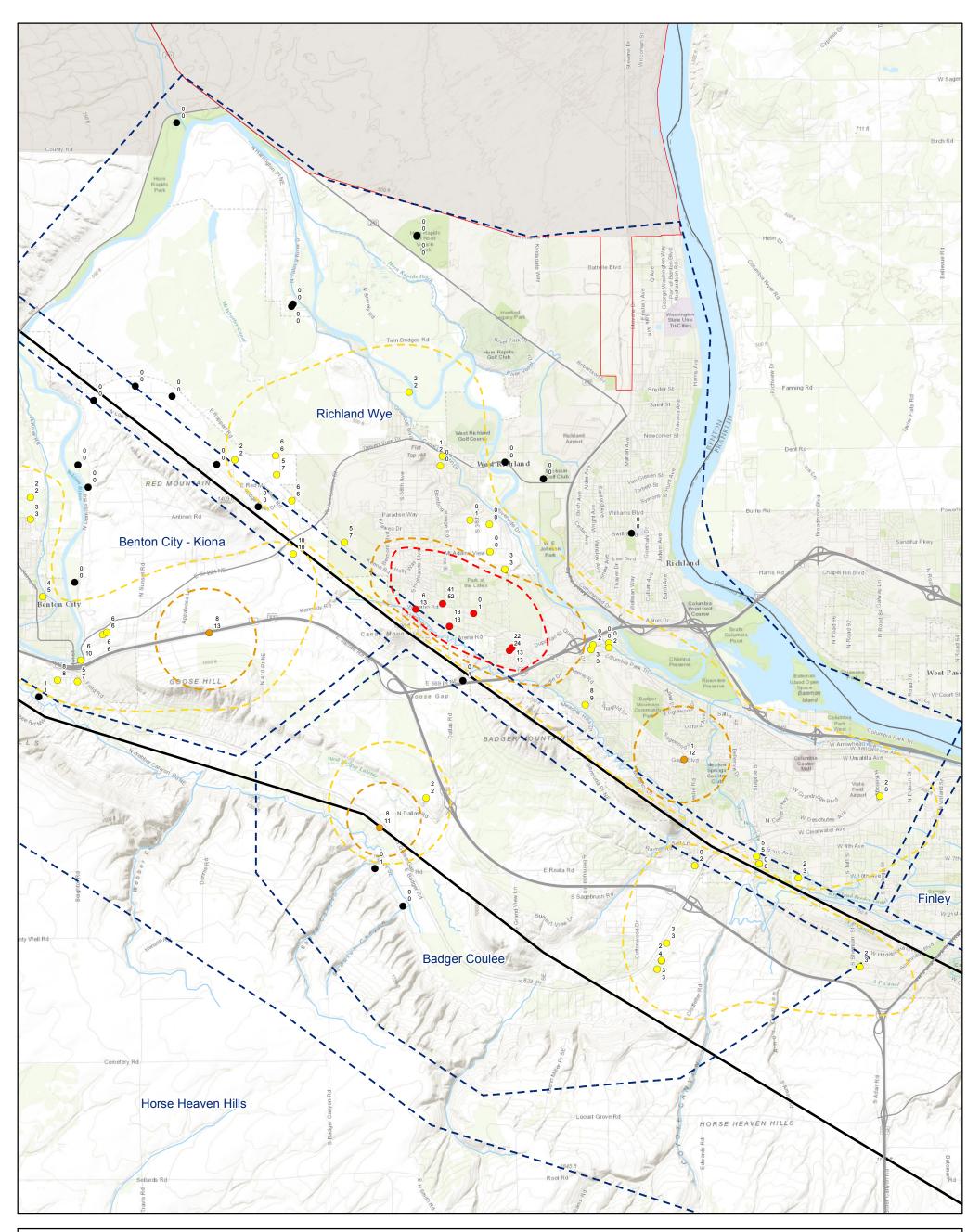
- Canals, Creeks, Canyons

Note:

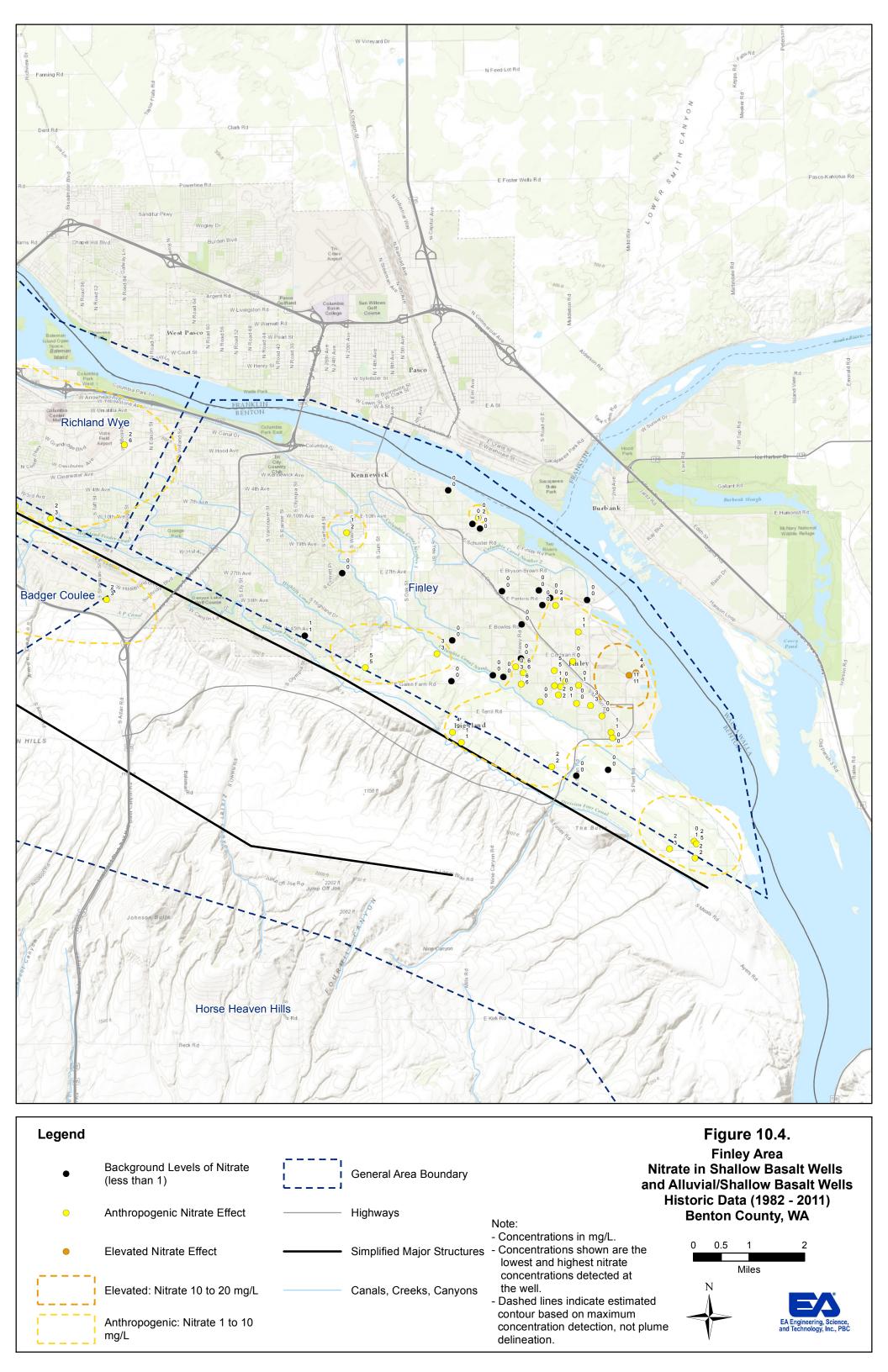
- Concentrations in mg/L.
- Concentrations shown are the lowest and highest nitrate concentrations detected at the well.
- Dashed lines indicate estimated contour based on maximum concentration detection, not plume delineation.

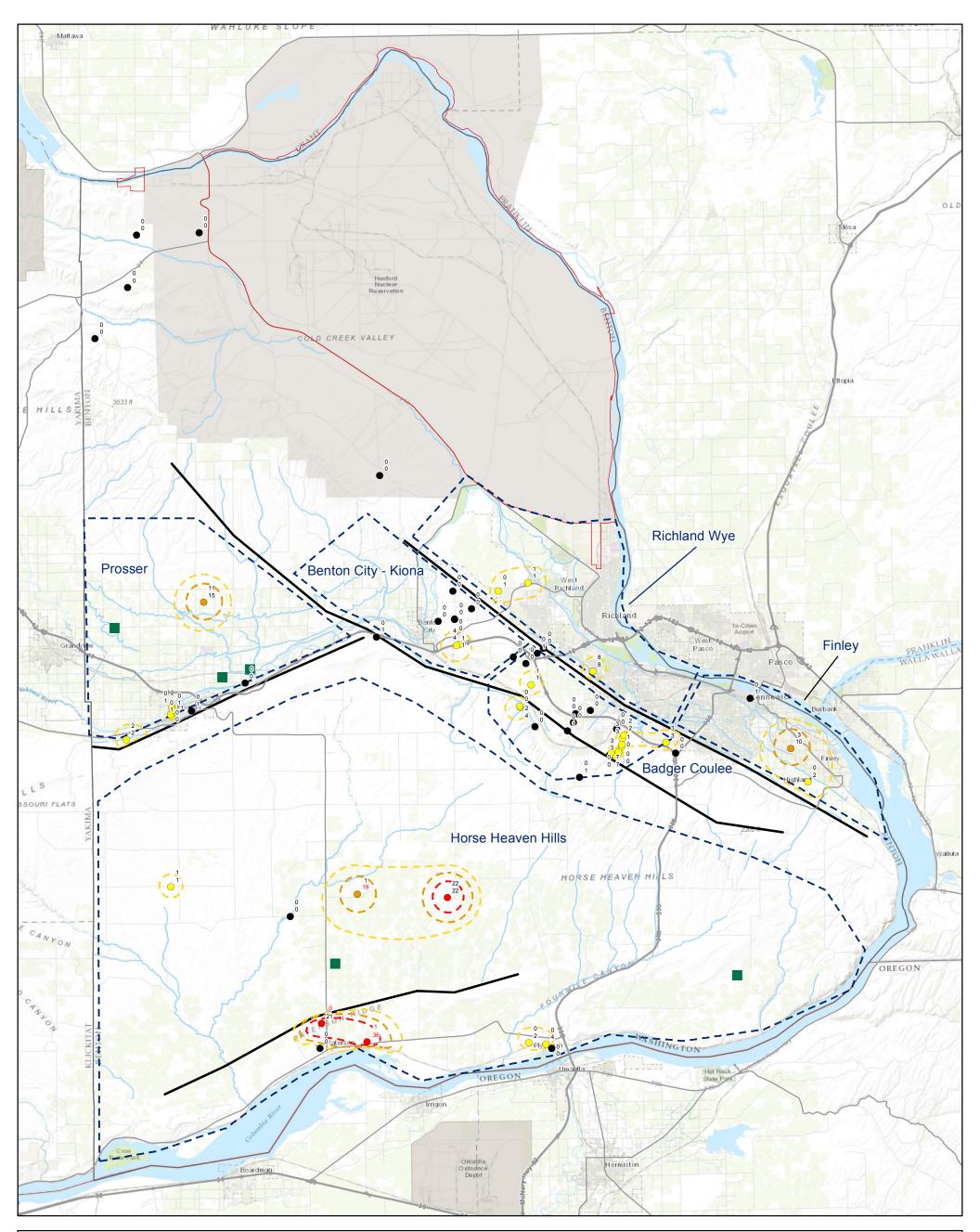
Figure 10.2. Benton City - Kiona Area Nitrate in Shallow Basalt Wells and Alluvial/Shallow Basalt Wells Historic Data (1982 - 2011) Benton County, WA

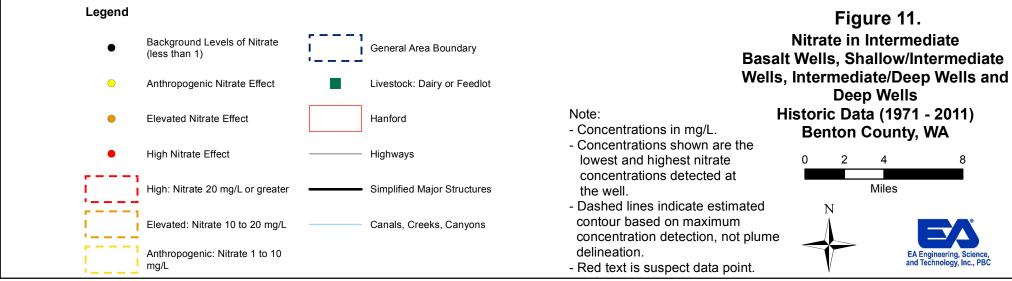


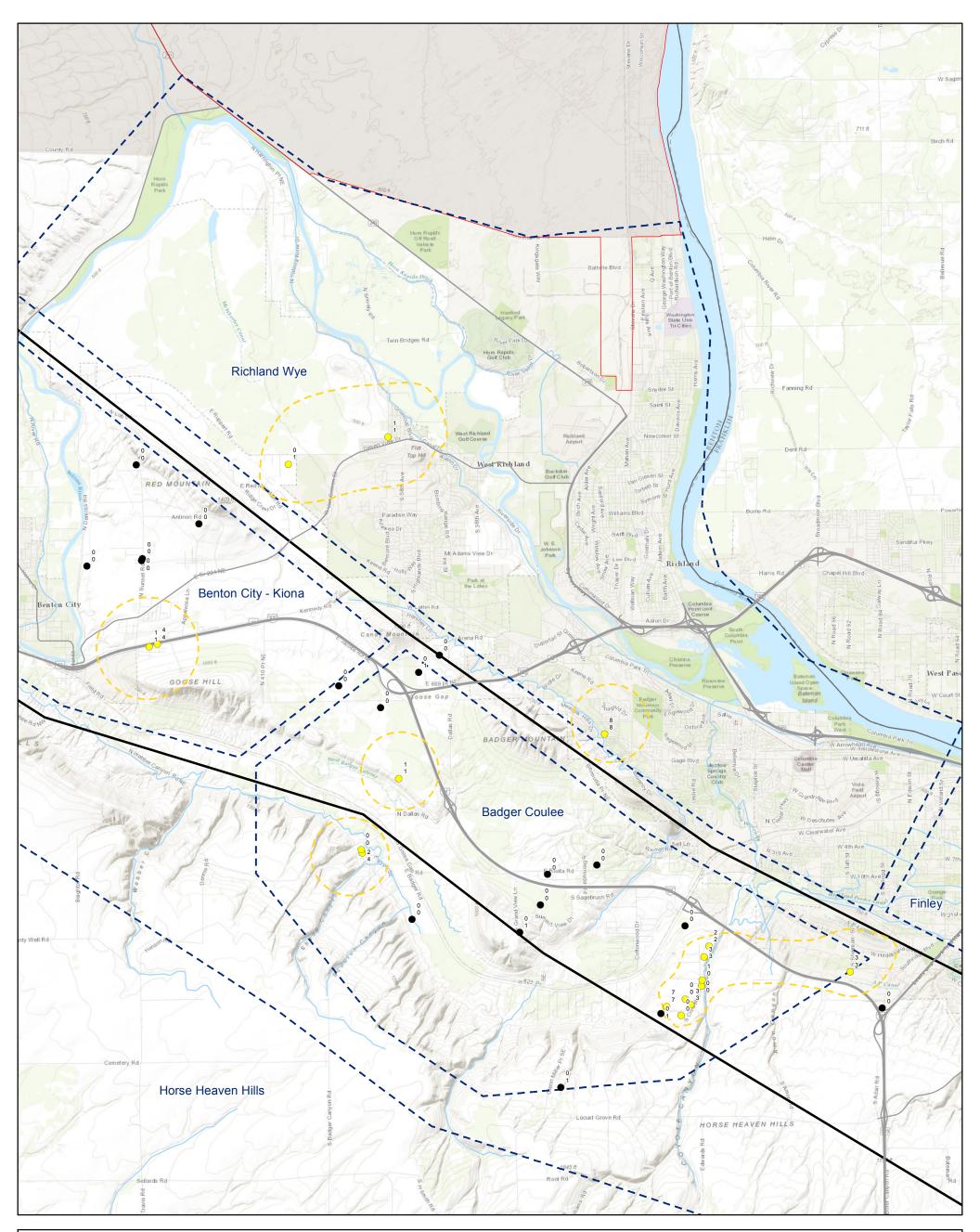


Legend Figure 10.3. Richland Wye and Badger Coulee Area Nitrate in Shallow Basalt Wells Background Levels of Nitrate (less than 1) Anthropogenic: Nitrate 1 to 10 • mg/L and Alluvial/Shallow Basalt Wells Historic Data (1971 - 2011) 0 Anthropogenic Nitrate Effect General Area Boundary Benton County, WA Note: Elevated Nitrate Effect Hanford - Concentrations in mg/L. 0 0.5 1 2 - Concentrations shown are the lowest and highest nitrate High Nitrate Effect Highways Miles concentrations detected at the well. Ν High: Nitrate 20 mg/L or greater - Dashed lines indicate estimated Simplified Major Structures contour based on maximum concentration detection, not plume Elevated: Nitrate 10 to 20 mg/L Canals, Creeks, Canyons delineation.









Legend				Diabland W	Figure 11.1.	
•	Background Levels of Nitrate (less than 1)		Highways	Richland Wye and Badger Coulee Area Nitrate in Intermediate Basalt Wells, Shallow/Intermediate Wells, Intermediate/Deep		
•	Anthropogenic Nitrate Effect		Simplified Major Structures	Note: Concentrations in mg/l Wells and Deep Wells Historic Data (1971 - 2011) Benton County, WA		2011)
	Anthropogenic: Nitrate 1 to 10 mg/L		Canals, Creeks, Canyons	 Concentrations in higher. Concentrations shown are the lowest and highest nitrate 	0 0.5 1	2
	General Area Boundary			 concentrations detected at the well. Dashed lines indicate estimated contour based on maximum concentration detection, not plur delineation. 		EA Engineering, Science, and Technology, Inc., PBC
	Hanford					