

**Legend**

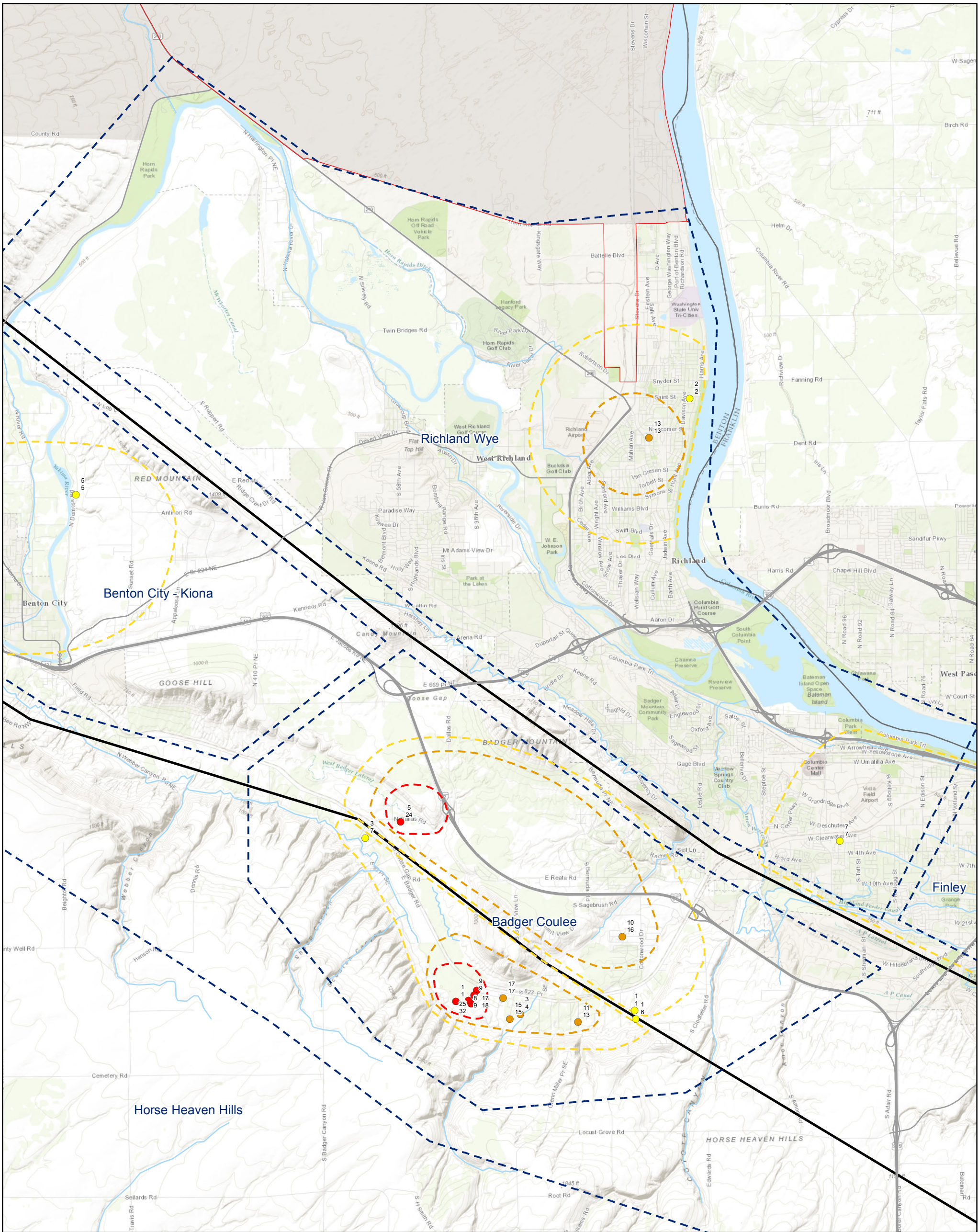
- Background Levels of Nitrate (less than 1)
- Anthropogenic Nitrate Effect
- Elevated Nitrate Effect
- High Nitrate Effect
- Livestock: Dairy or Feedlot
- Hanford
- Highways
- Simplified Major Structures
- Canals, Creeks, Canyons
- High: Nitrate 20 mg/L or greater
- Elevated: Nitrate 10 to 20 mg/L
- Anthropogenic: Nitrate 1 to 10 mg/L
- General Area Boundary

**Figure 12.**  
**Nitrate in Alluvial Wells**  
**Recent Data (2015 - 2016)**  
**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.





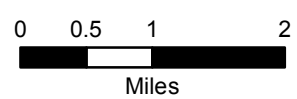


**Legend**

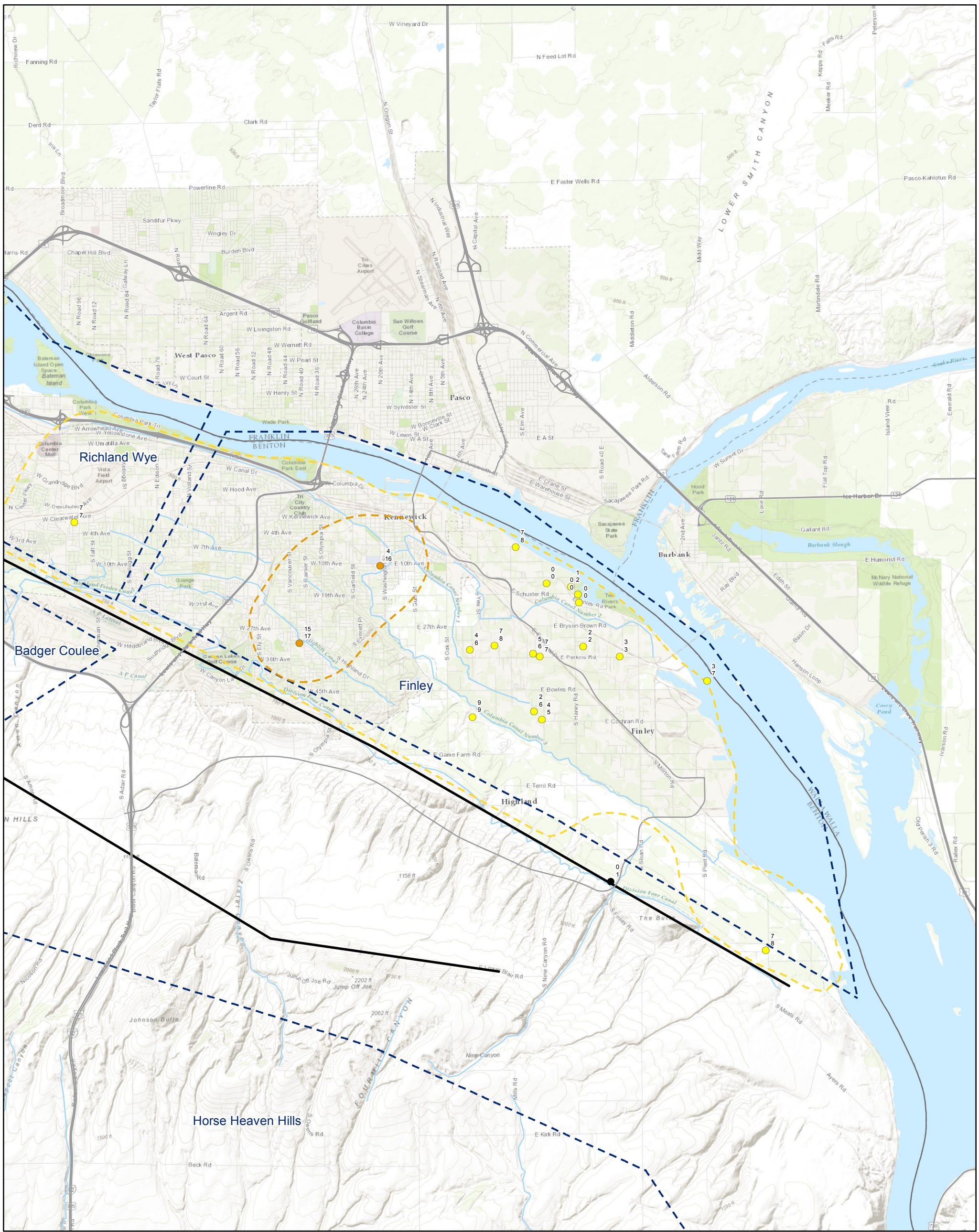
- Anthropogenic Nitrate Effect
- Elevated Nitrate Effect
- High Nitrate Effect
- High: Nitrate 20 mg/L or greater
- Elevated: Nitrate 10 to 20 mg/L
- Anthropogenic: Nitrate 1 to 10 mg/L
- General Area Boundary
- Hanford
- Highways
- Simplified Major Structures
- Canals, Creeks, Canyons

**Figure 12.1.**  
**Richland Wye and Badger Coulee Area**  
**Nitrate in Alluvial Wells**  
**Recent Data (2015 - 2016)**  
**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.





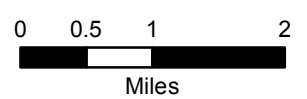


**Legend**

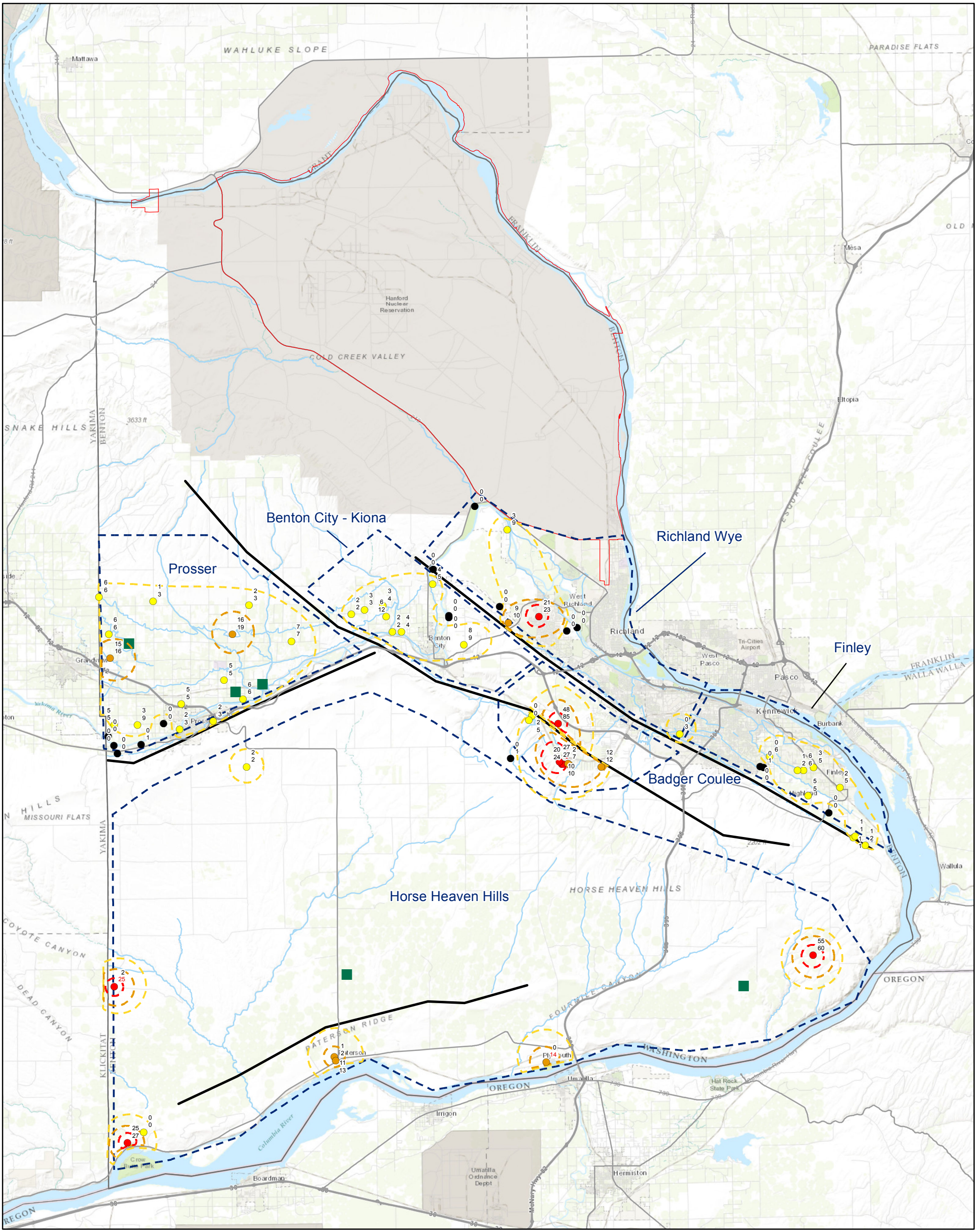
- Background Levels of Nitrate (less than 1)
- Anthropogenic Nitrate Effect
- Elevated Nitrate Effect
- Elevated: Nitrate 10 to 20 mg/L
- Anthropogenic: Nitrate 1 to 10 mg/L
- ▭ General Area Boundary
- Highways
- Simplified Major Structures
- Canals, Creeks, Canyons

**Figure 12.2.**  
**Finley Area**  
**Nitrate in Alluvial Wells**  
**Recent Data (2015 - 2016)**  
**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.





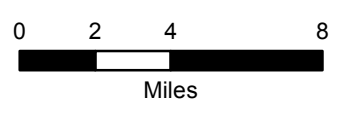


**Legend**

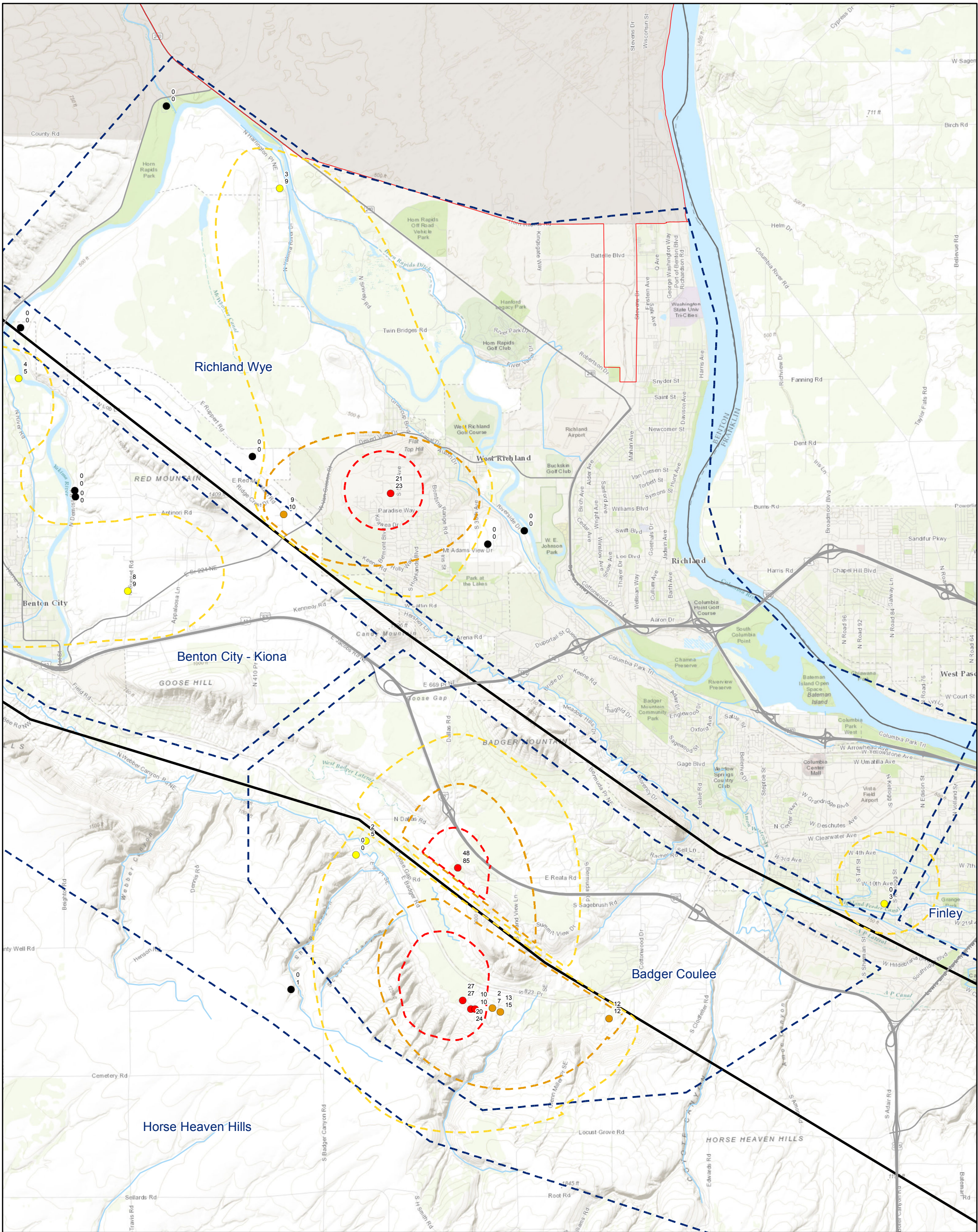
- Background Levels of Nitrate (less than 1)
- Anthropogenic Nitrate Effect
- Elevated Nitrate Effect
- High Nitrate Effect
- Livestock: Dairy or Feedlot
- Hanford
- Highways
- Simplified Major Structures
- Canals, Creeks, Canyons
- Anthropogenic: Nitrate 1 to 10 mg/L
- General Area Boundary
- High: Nitrate 20 mg/L or greater
- Elevated: Nitrate 10 to 20 mg/L

**Figure 13.**  
**Nitrate in Shallow Basalt Wells, and Alluvial/Shallow Basalt Wells Recent Data (2015 - 2016) 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.  
 - Red text is suspect data point.

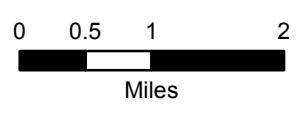






**Figure 13.1.**  
**Richland Wye and Badger Coulee Area**  
**Nitrate in Shallow Basalt Wells,**  
**and Alluvial/Shallow Basalt Wells**  
**Recent Data (2015 - 2016)**  
**Benton County, WA**

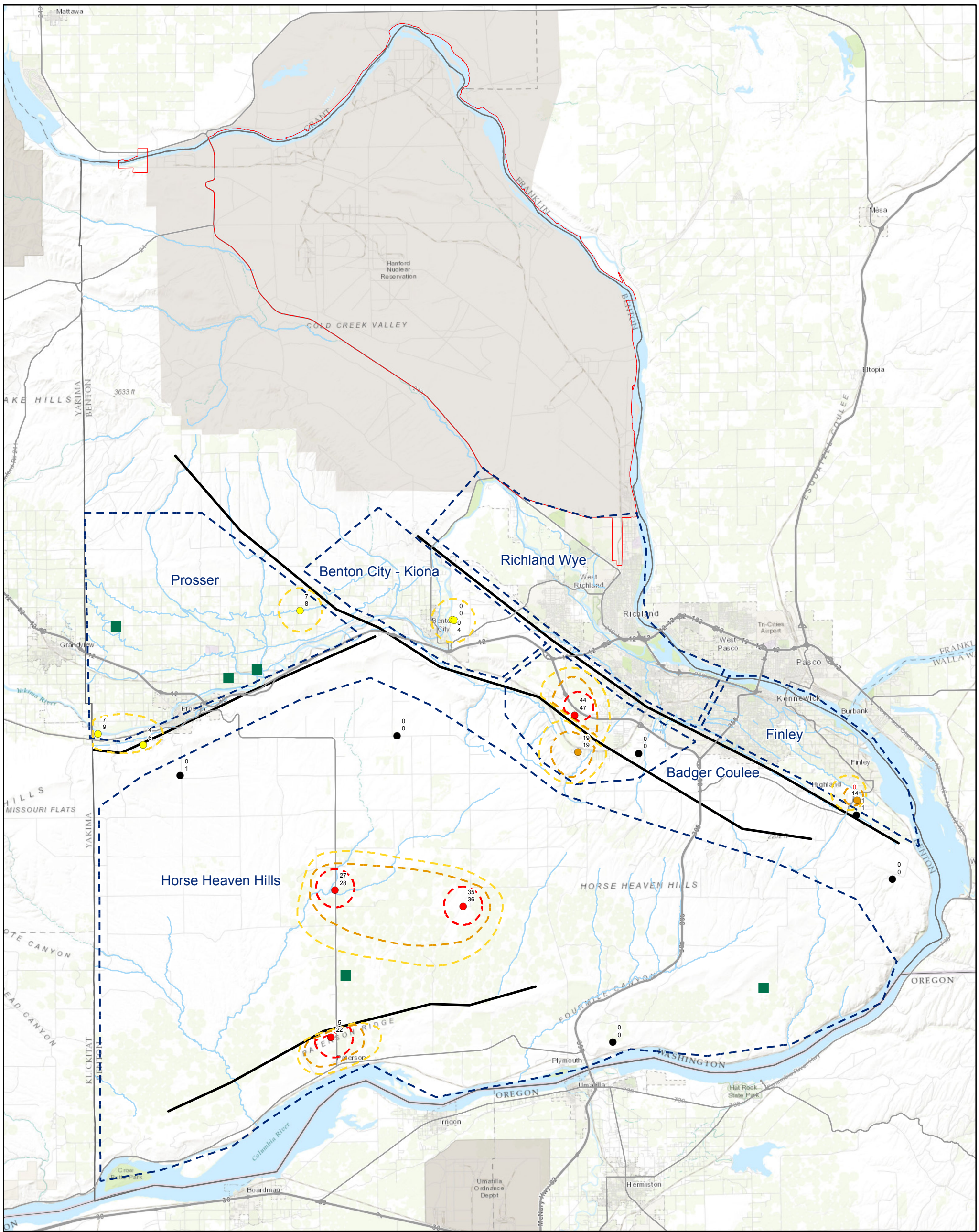
**Note:**  
 - Concentrations in mg/L.  
 - Concentrations shown are the lowest and highest nitrate concentrations detected at the well.  
 - Dashed lines indicate estimated contour based on maximum concentration detection, not plume delineation.



**Legend**

- Background Levels of Nitrate (less than 1)
- Anthropogenic Nitrate Effect
- Elevated Nitrate Effect
- High Nitrate Effect
- High: Nitrate 20 mg/L or greater
- Elevated: Nitrate 10 to 20 mg/L
- Anthropogenic: Nitrate 1 to 10 mg/L
- General Area Boundary
- Hanford
- Highways
- Simplified Major Structures
- Canals, Creeks, Canyons



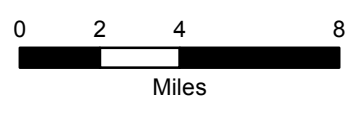


**Legend**

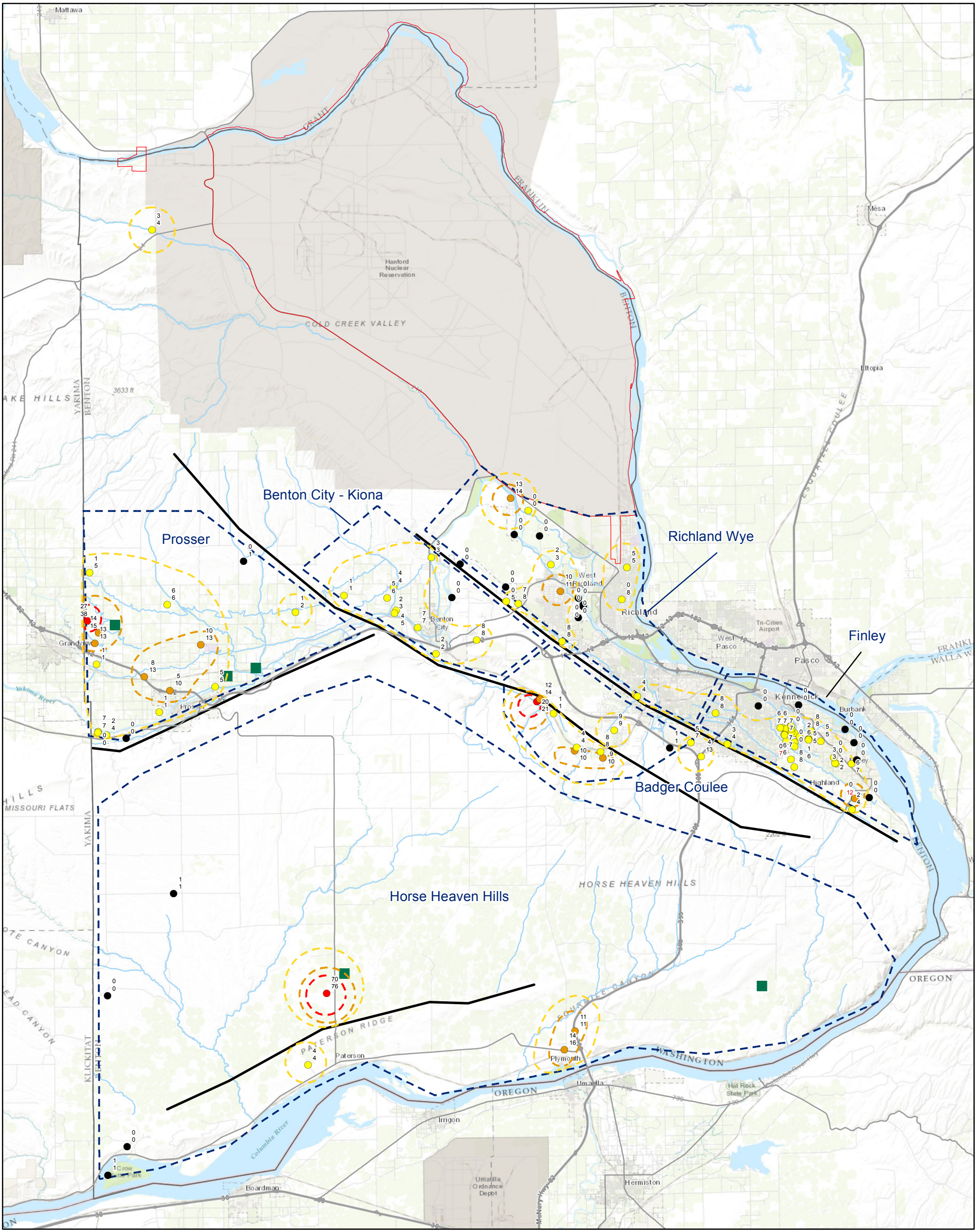
- Background Levels of Nitrate (less than 1)
- Anthropogenic Nitrate Effect
- Elevated Nitrate Effect
- High Nitrate Effect
- Livestock: Dairy or Feedlot
- Hanford
- Highways
- Simplified Major Structures
- Canals, Creeks, Canyons
- High: Nitrate 20 mg/L or greater
- Elevated: Nitrate 10 to 20 mg/L
- Anthropogenic: Nitrate 1 to 10 mg/L
- General Area Boundary

**Figure 14.**  
**Nitrate in Intermediate Basalt Wells, Shallow/Intermediate Wells, and Intermediate/Deep Wells Recent Data (2015 - 2016) 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.  
 - Red text is suspect data point.





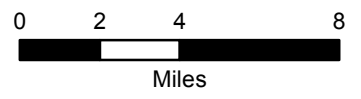


**Legend**

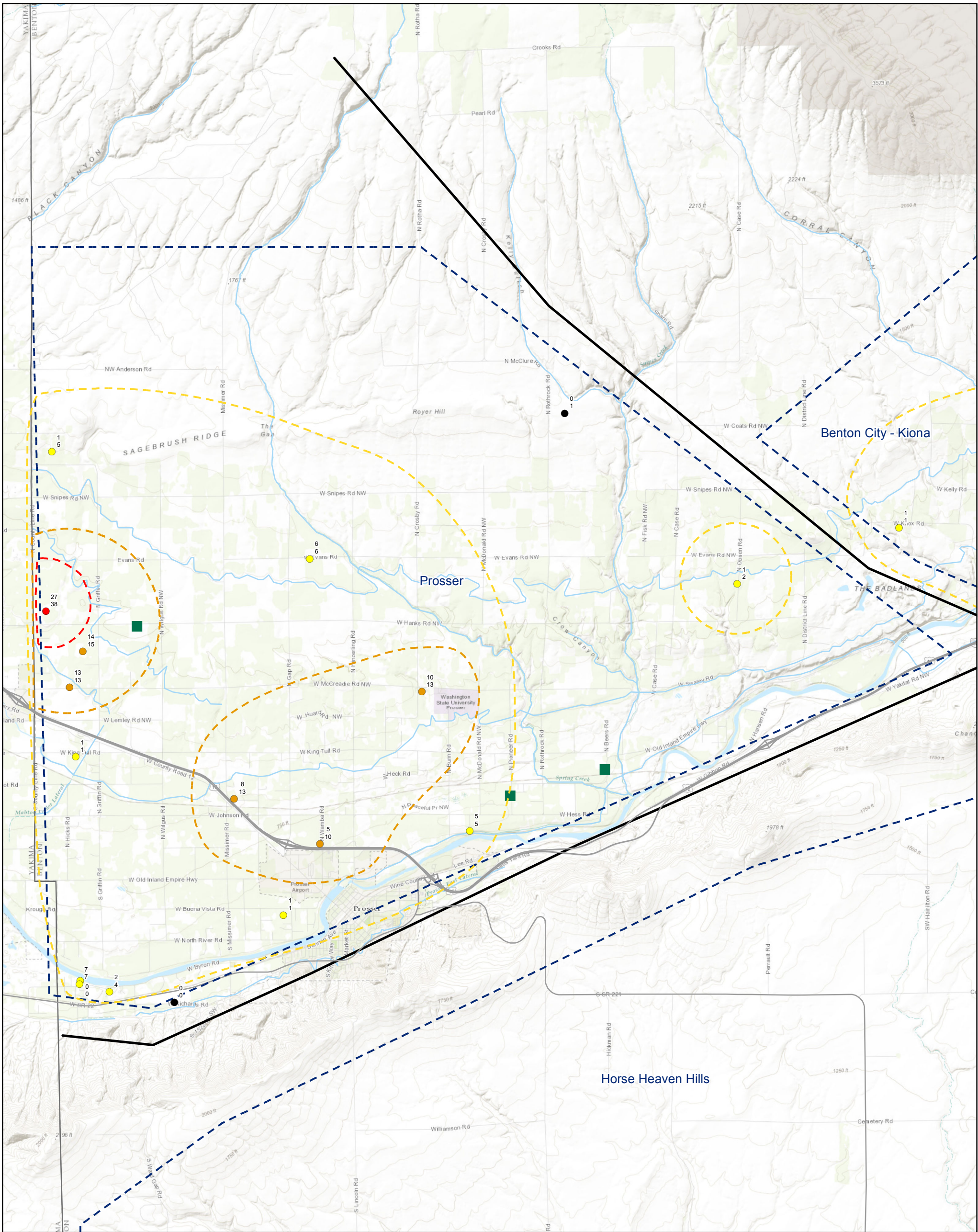
- Background Levels of Nitrate (less than 1)
- Anthropogenic Nitrate Effect
- Elevated Nitrate Effect
- High Nitrate Effect
- Livestock: Dairy or Feedlot
- Hanford
- Highways
- Simplified Major Structures
- Canals, Creeks, Canyons
- High: Nitrate 20 mg/L or greater
- Elevated: Nitrate 10 to 20 mg/L
- Anthropogenic: Nitrate 1 to 10 mg/L
- General Area Boundary

**Figure 15.**  
**Nitrate in Unknown Completion Wells**  
**Recent Data (2015 - 2016)**  
**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.  
 - Red text is suspect data point.







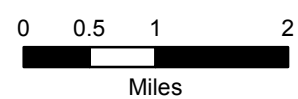
**Figure 15.1.**  
**Prosser Area**  
**Nitrate in Unknown**  
**Completion Wells**  
**Recent Data (2015 - 2016)**  
**Benton County, WA**

**Legend**

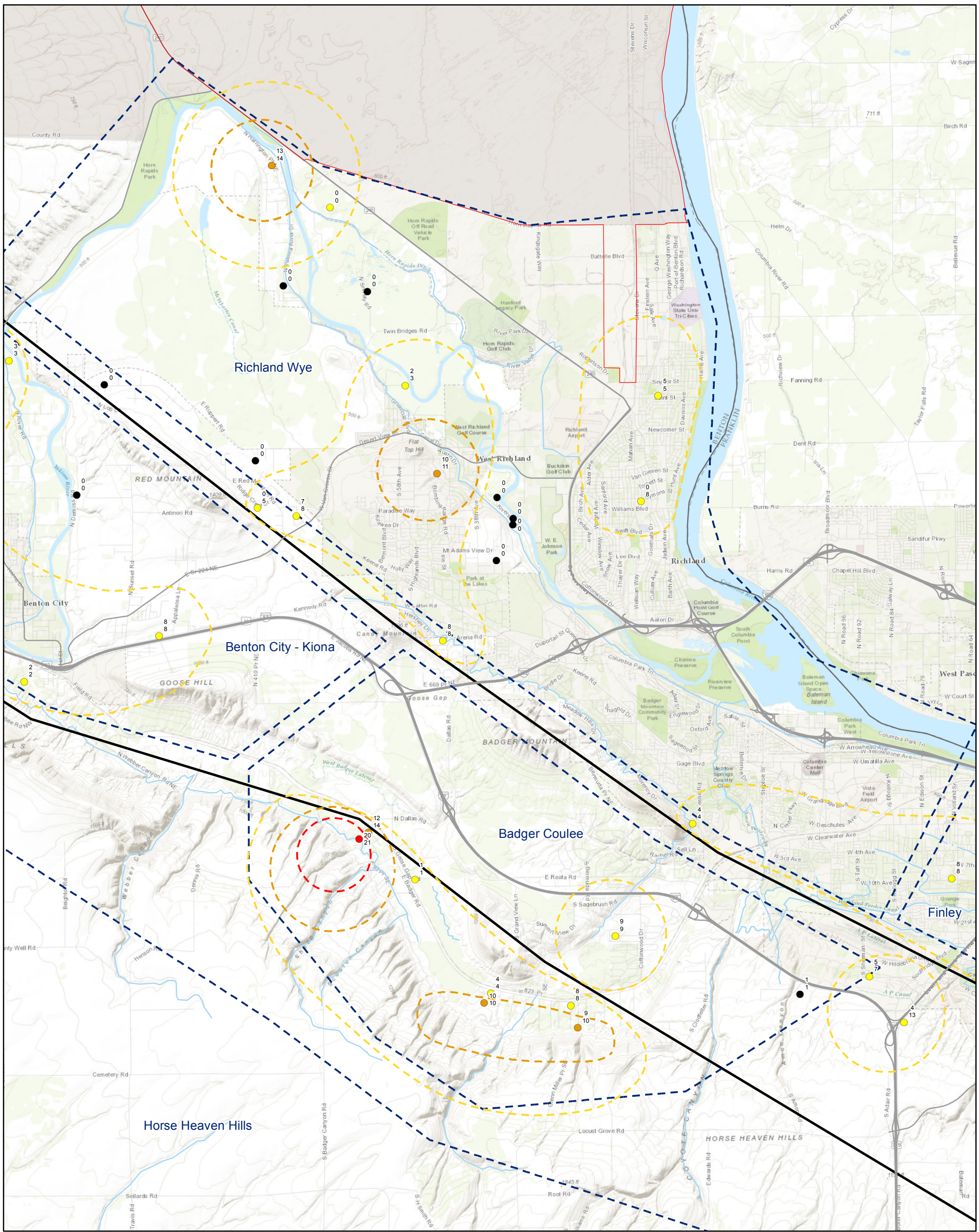
- Background Levels of Nitrate (less than 1)
- Anthropogenic Nitrate Effect
- Elevated Nitrate Effect
- High Nitrate Effect
- Livestock: Dairy or Feedlot
- Highways
- Simplified Major Structures
- Canals, Creeks, Canyons
- Anthropogenic: Nitrate 1 to 10 mg/L
- General Area Boundary
- High: Nitrate 20 mg/L or greater
- Elevated: Nitrate 10 to 20 mg/L

**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.





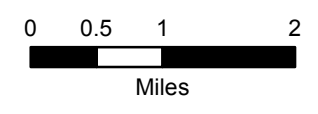


**Legend**

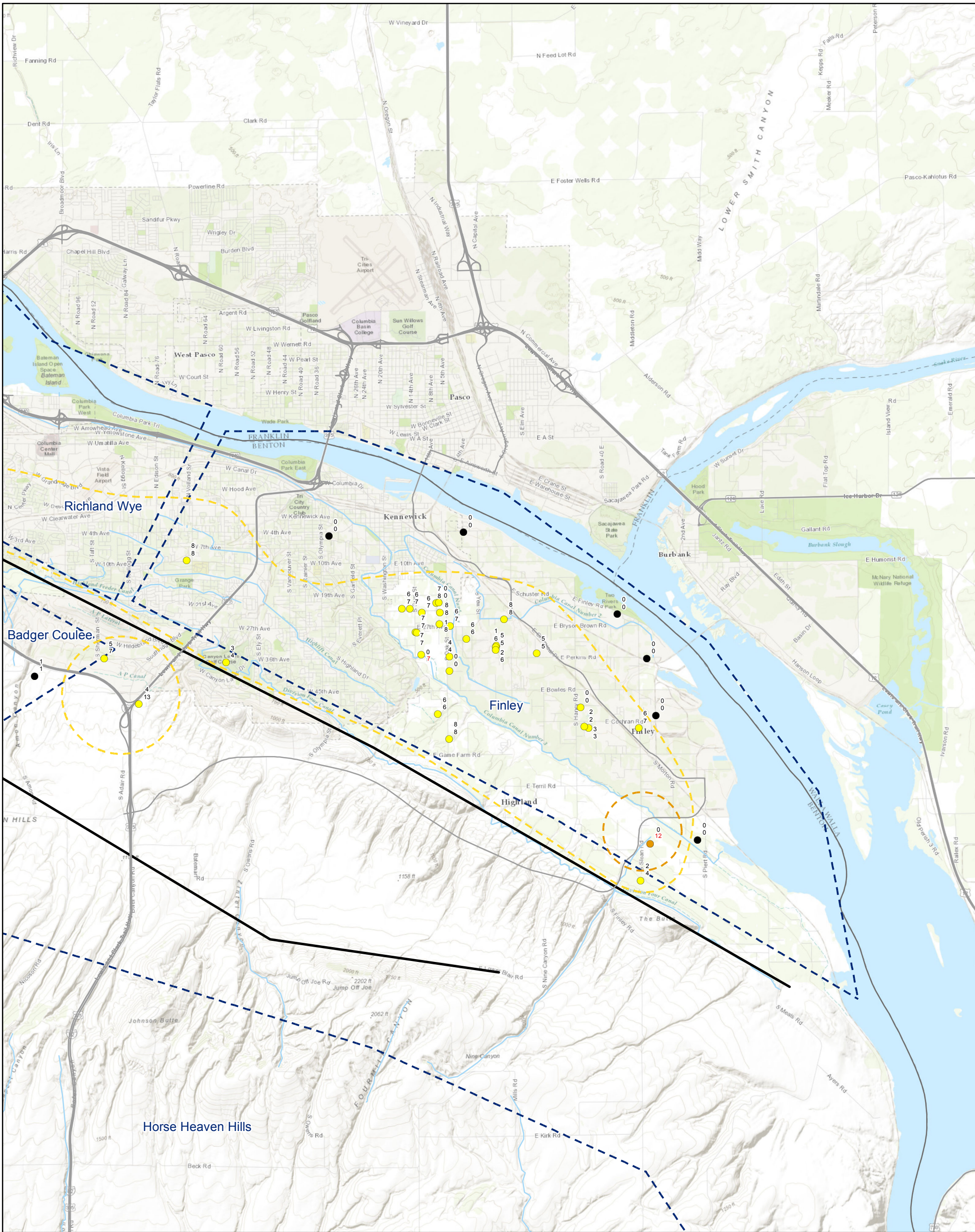
- Background Levels of Nitrate (less than 1)
- Anthropogenic Nitrate Effect
- Elevated Nitrate Effect
- High Nitrate Effect
- High: Nitrate 20 mg/L or greater
- Elevated: Nitrate 10 to 20 mg/L
- Anthropogenic: Nitrate 1 to 10 mg/L
- General Area Boundary
- Hanford
- Highways
- Simplified Major Structures
- Canals, Creeks, Canyons

**Figure 15.2.**  
**Richland Wye and Badger Coulee Area**  
**Nitrate in Unknown**  
**Completion Wells**  
**Recent Data (2015 - 2016)**  
**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
- Elevated: Nitrate 10 to 20 mg/L
- Anthropogenic: Nitrate 1 to 10 mg/L
- General Area Boundary
- Highways
- Simplified Major Structures
- Canals, Creeks, Canyons

**Figure 15.3.**  
**Finley Area**  
**Nitrate in Unknown**  
**Completion Wells**  
**Recent Data (2015 - 2016)**  
**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.  
 - Red text is suspect data point.

