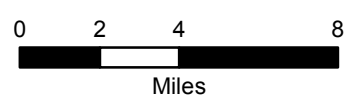


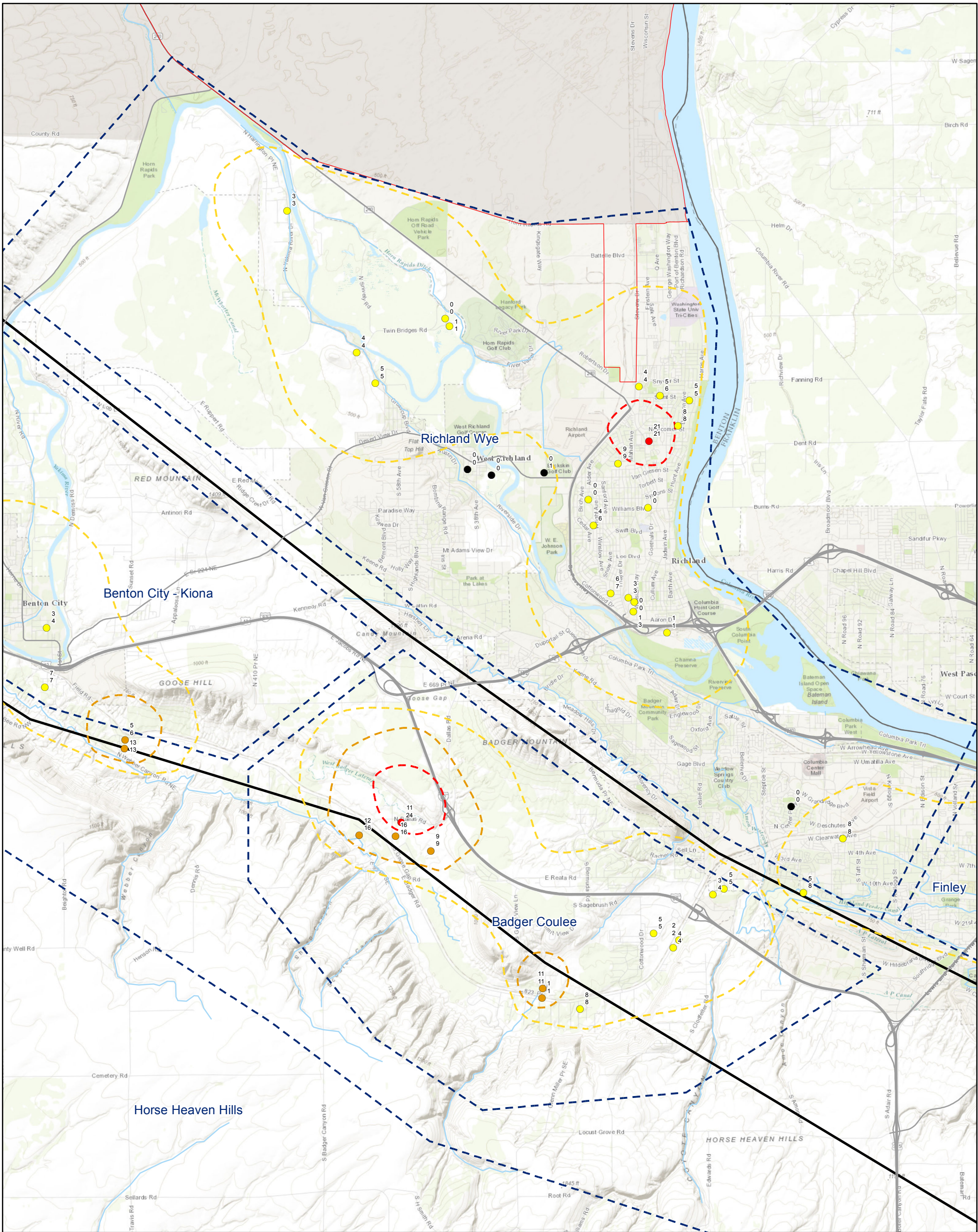
Legend

- 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 9.
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.
 - Red text is suspect data point.





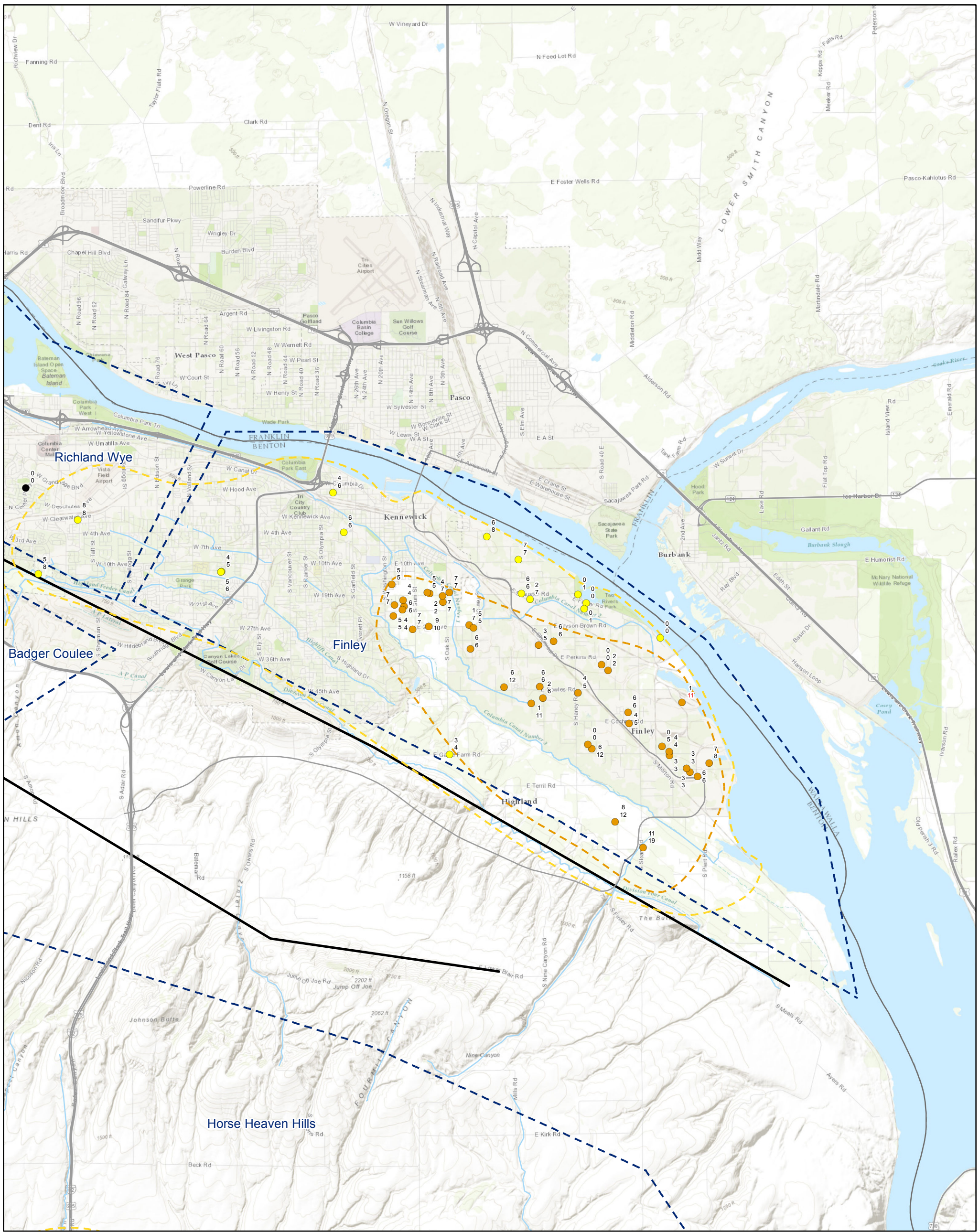
Legend

- 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 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.



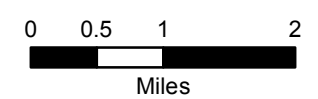


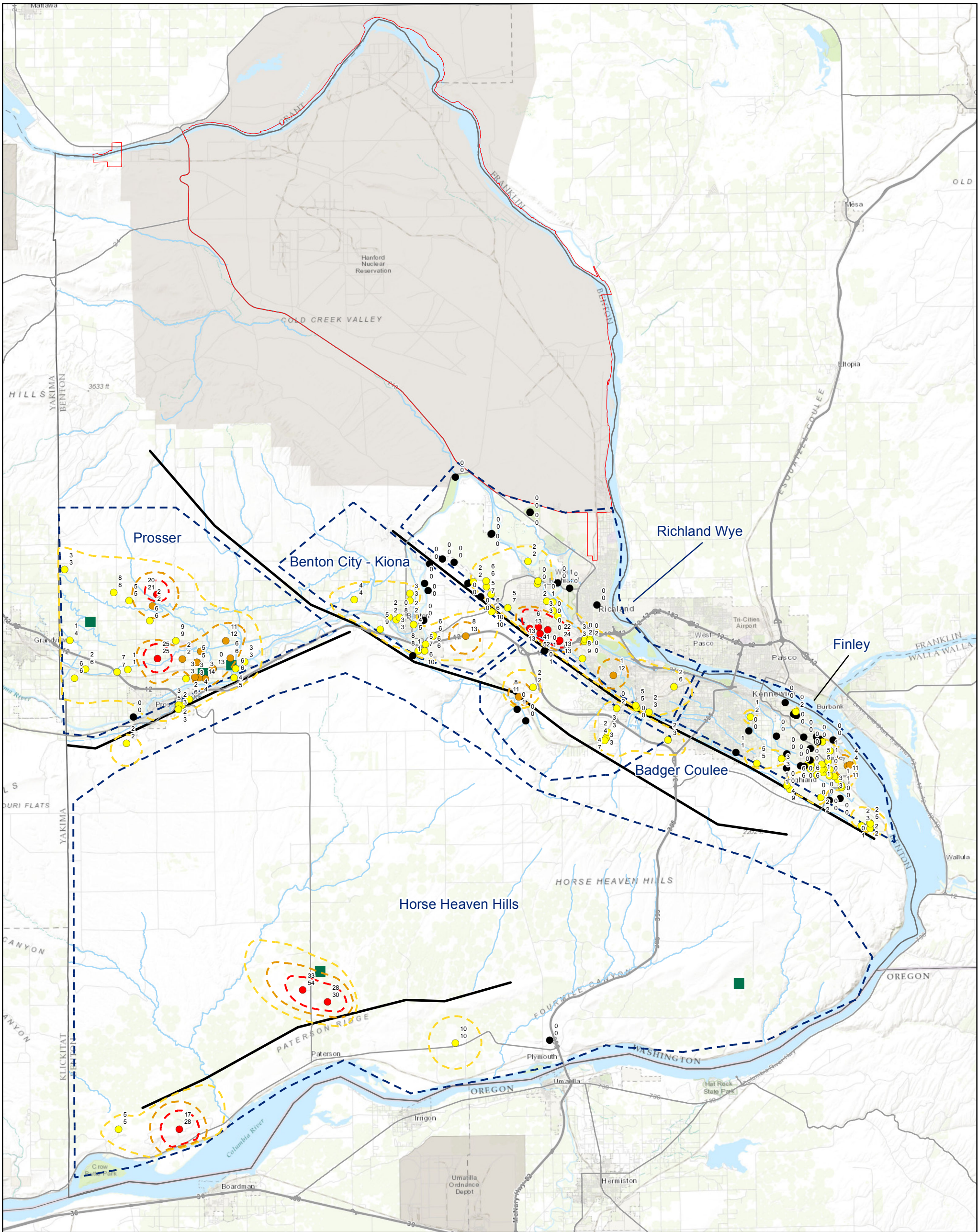
Legend

- Background Levels of Nitrate (less than 1)
- Anthropogenic Nitrate Effect
- Elevated Nitrate Effect
- 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 9.2.
Finley Area
Nitrate in Alluvial Wells
Historic Data (1982 - 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.
 - Red text is suspect data point.





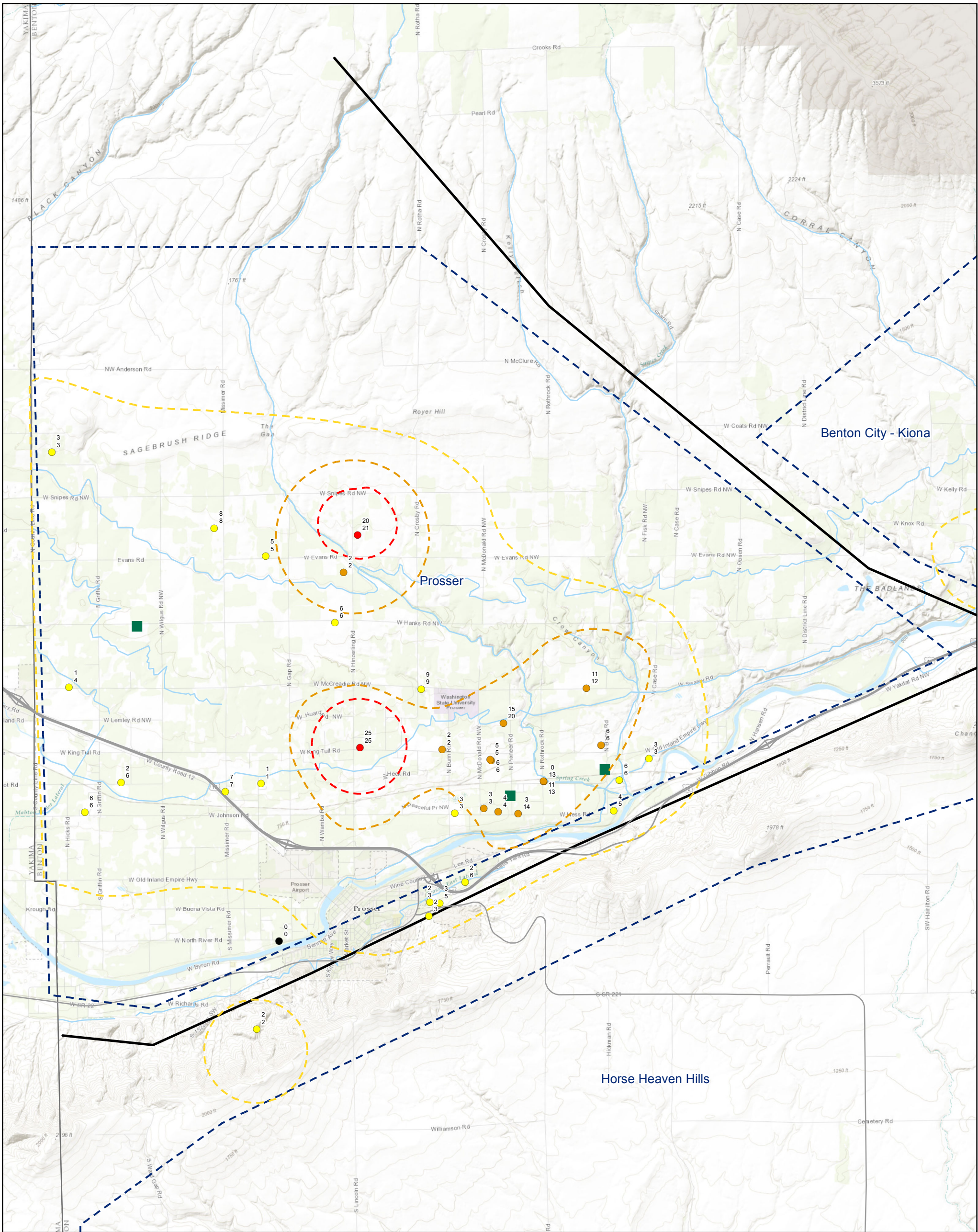
Legend

- 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 10.
Nitrate in Shallow Basalt Wells and Alluvial/Shallow Basalt 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.



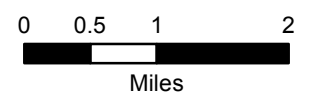


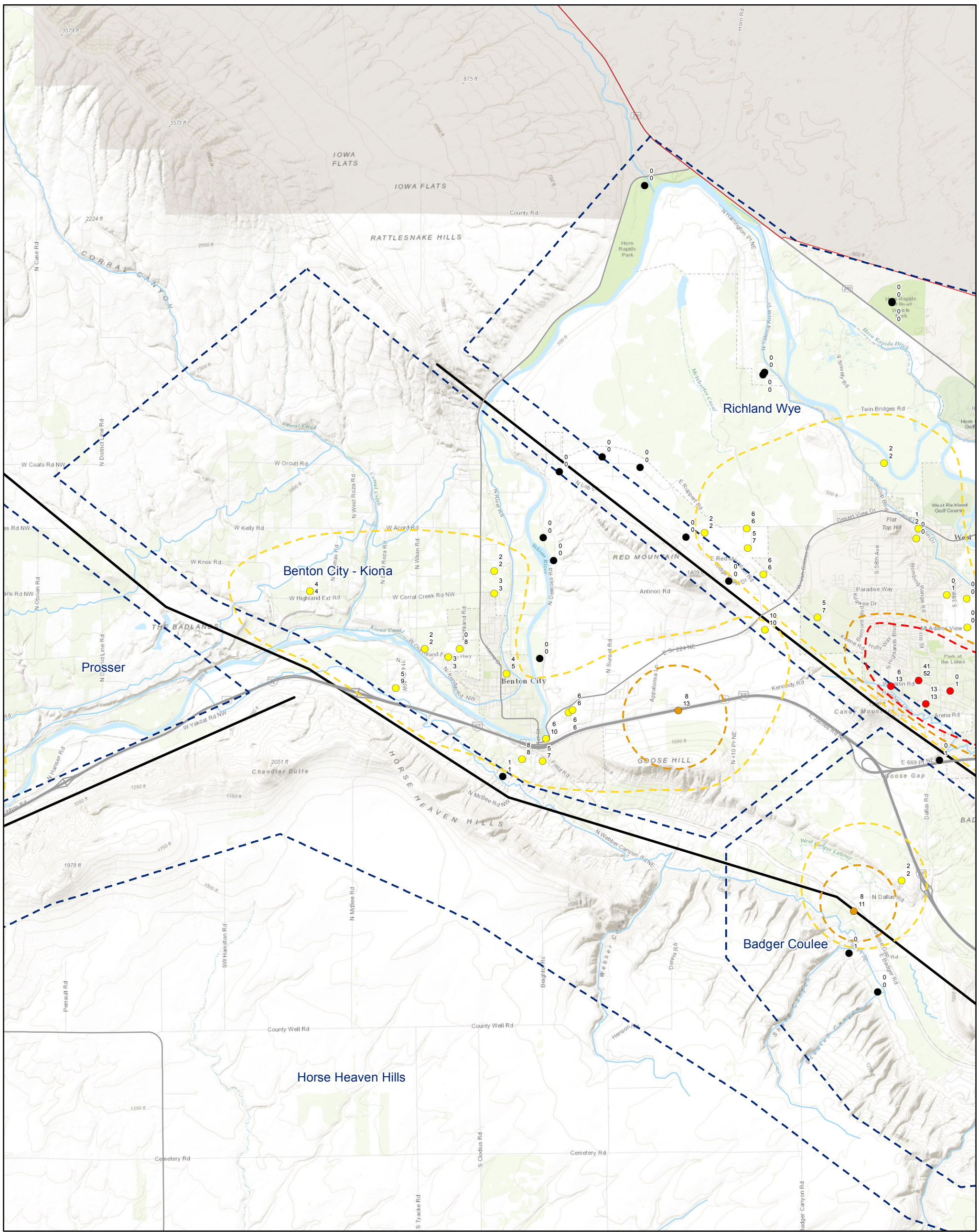
Legend

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

Figure 10.1.
Prosser Area
Nitrate in Shallow Basalt Wells
and Alluvial/Shallow Basalt 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.



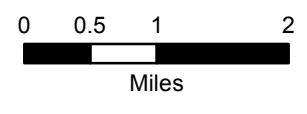


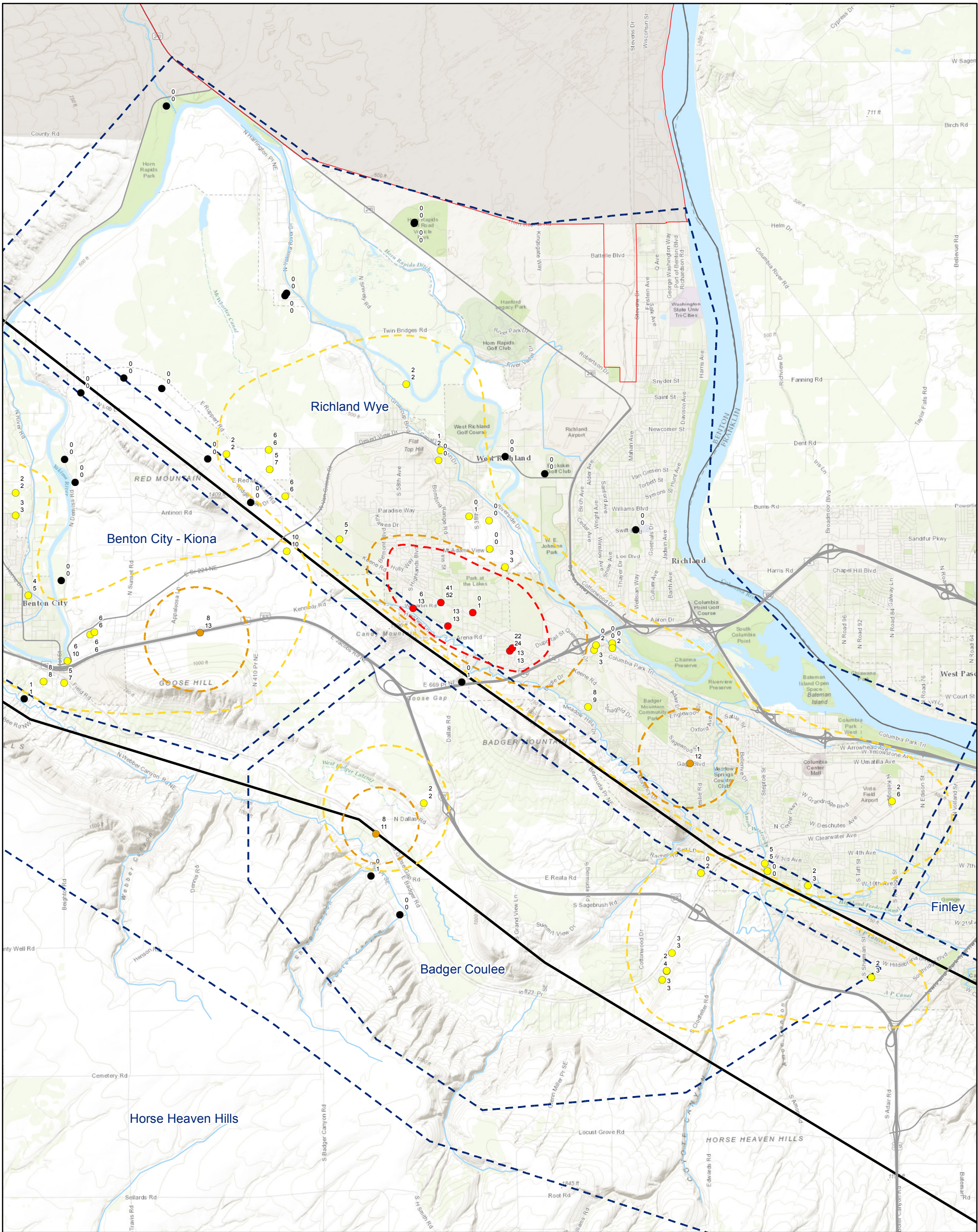
Legend

- Background Levels of Nitrate (less than 1)
- Anthropogenic Nitrate Effect
- Elevated Nitrate Effect
- 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 10.2.
Benton City - Kiona Area
Nitrate in Shallow Basalt Wells
and Alluvial/Shallow Basalt Wells
Historic Data (1982 - 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.



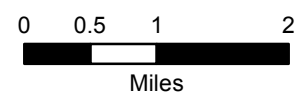


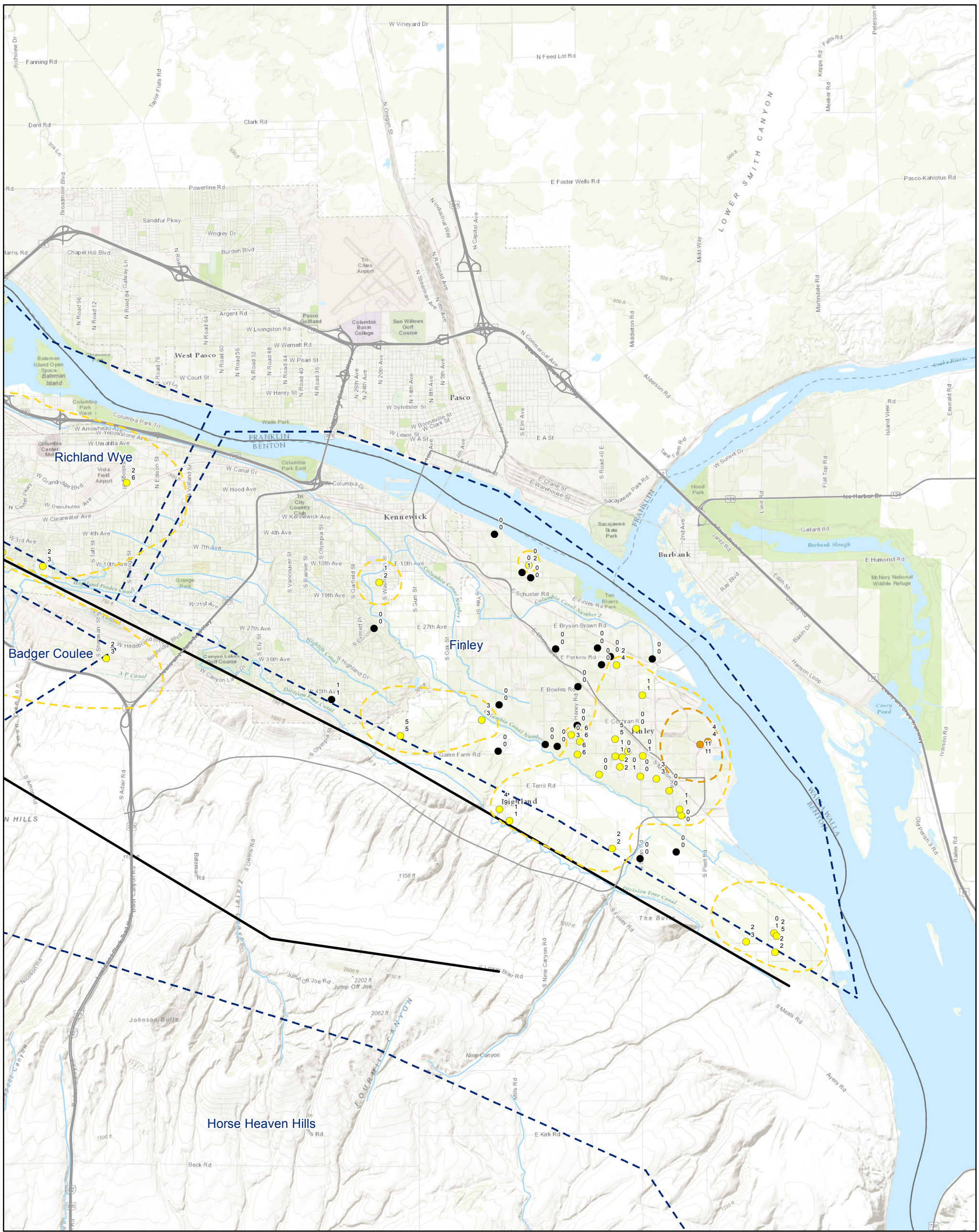
Legend

- Background Levels of Nitrate (less than 1)
- Anthropogenic Nitrate Effect
- Elevated Nitrate Effect
- 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 10.3.
Richland Wye and Badger Coulee Area
Nitrate in Shallow Basalt Wells
and Alluvial/Shallow Basalt 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.



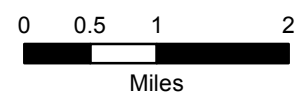


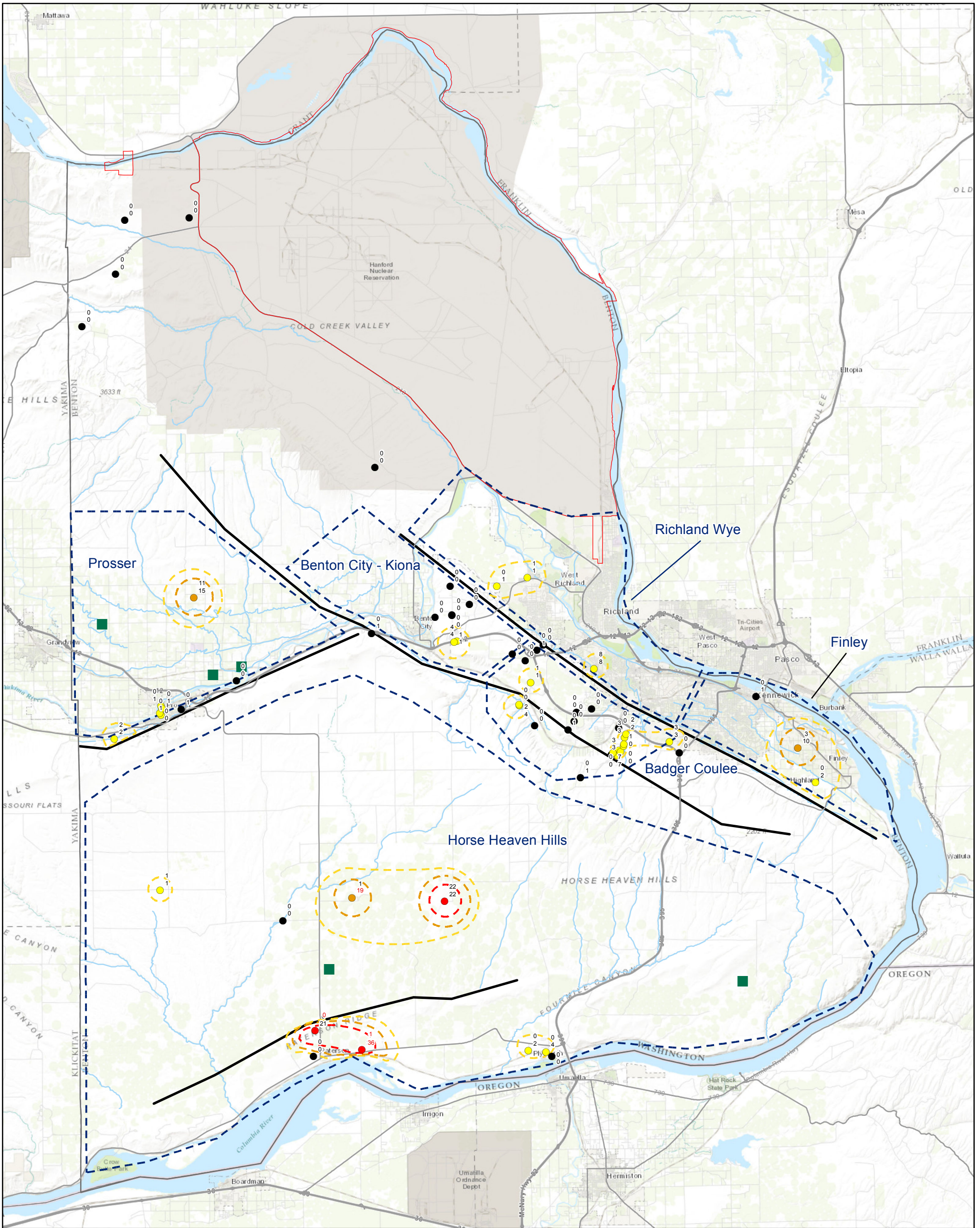
Legend

- Background Levels of Nitrate (less than 1)
- Anthropogenic Nitrate Effect
- Elevated Nitrate Effect
- ▭ 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 10.4.
Finley Area
Nitrate in Shallow Basalt Wells
and Alluvial/Shallow Basalt Wells
Historic Data (1982 - 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.





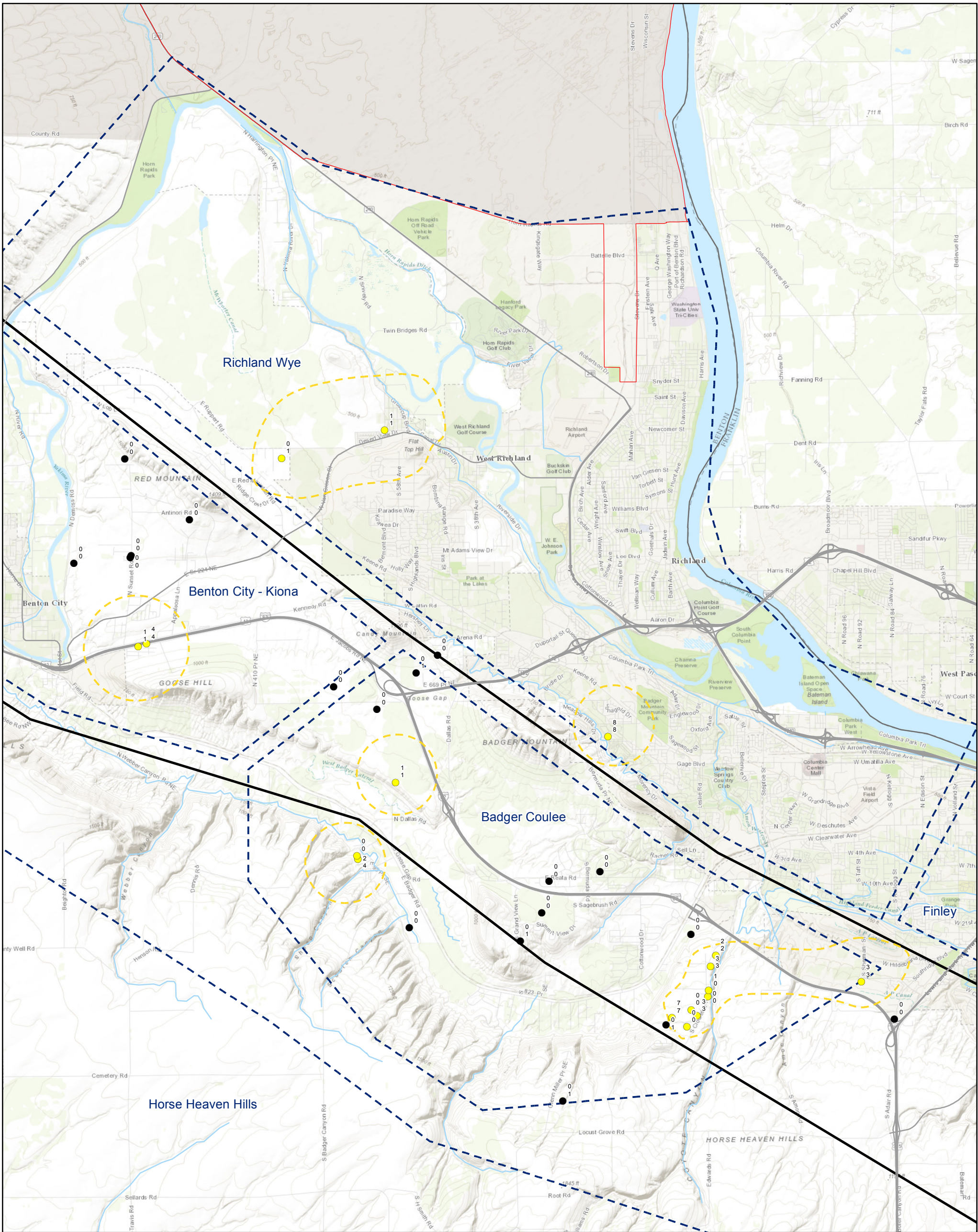
Legend

- Background Levels of Nitrate (less than 1)
- Anthropogenic Nitrate Effect
- Elevated Nitrate Effect
- 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 11.
Nitrate in Intermediate Basalt Wells, Shallow/Intermediate Wells, Intermediate/Deep Wells and Deep 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.
 - Red text is suspect data point.





Legend

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

Figure 11.1.
Richland Wye and Badger Coulee Area
Nitrate in Intermediate Basalt Wells,
Shallow/Intermediate Wells, Intermediate/Deep
Wells and Deep 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.

