

LEGEND

- Walla Walla River Catchment
- WRIA 32
- City Limits
- Shallow Gravel Aquifer Area Delineated by County
- States
- Counties

Ground Water Recharge Area

- Zone 1
- Zone 2

0 5
Scale in Miles

Map Projection:
Washington State Plane South
NAD 1983 Feet
Source:
Walla Walla County,
Golder Associates Inc.

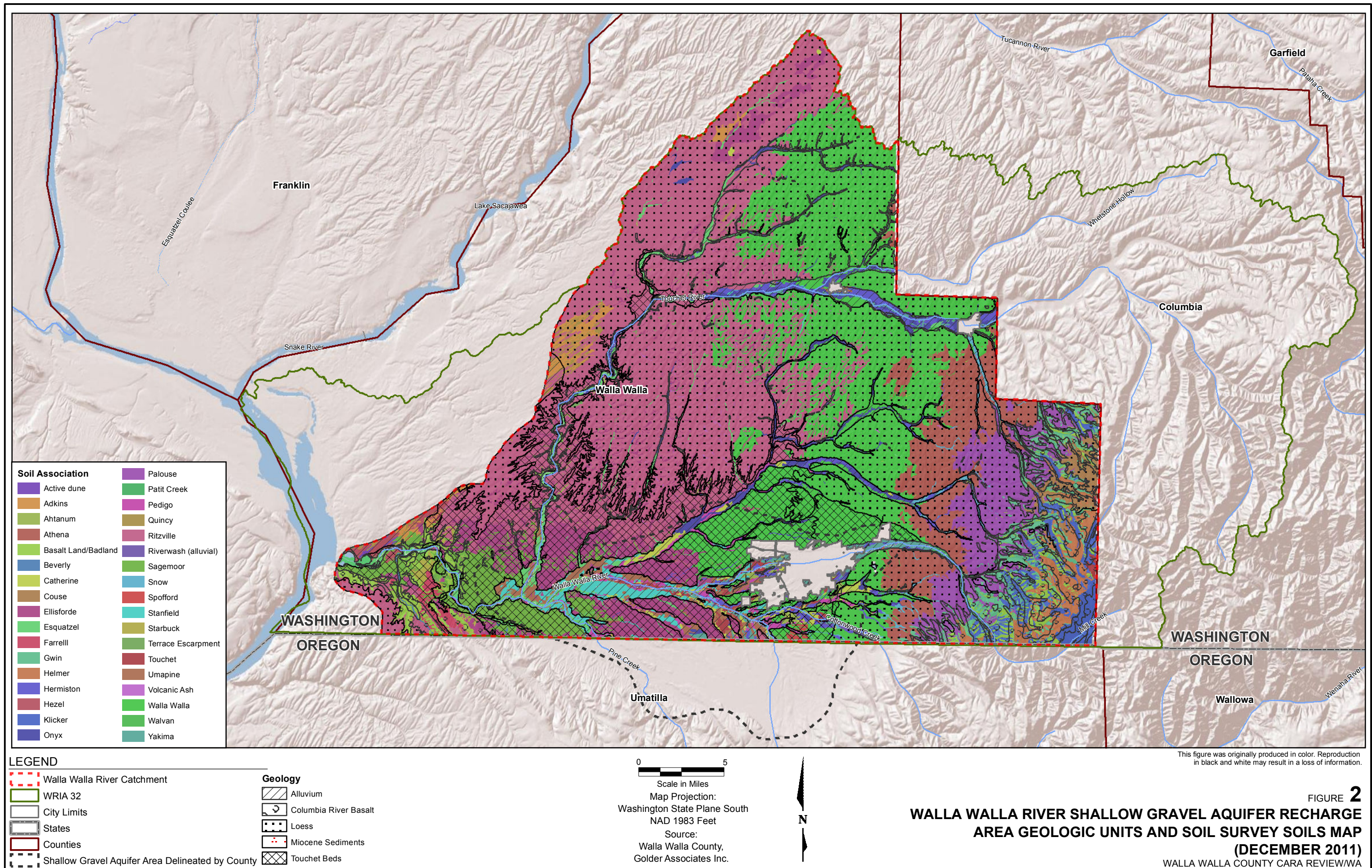


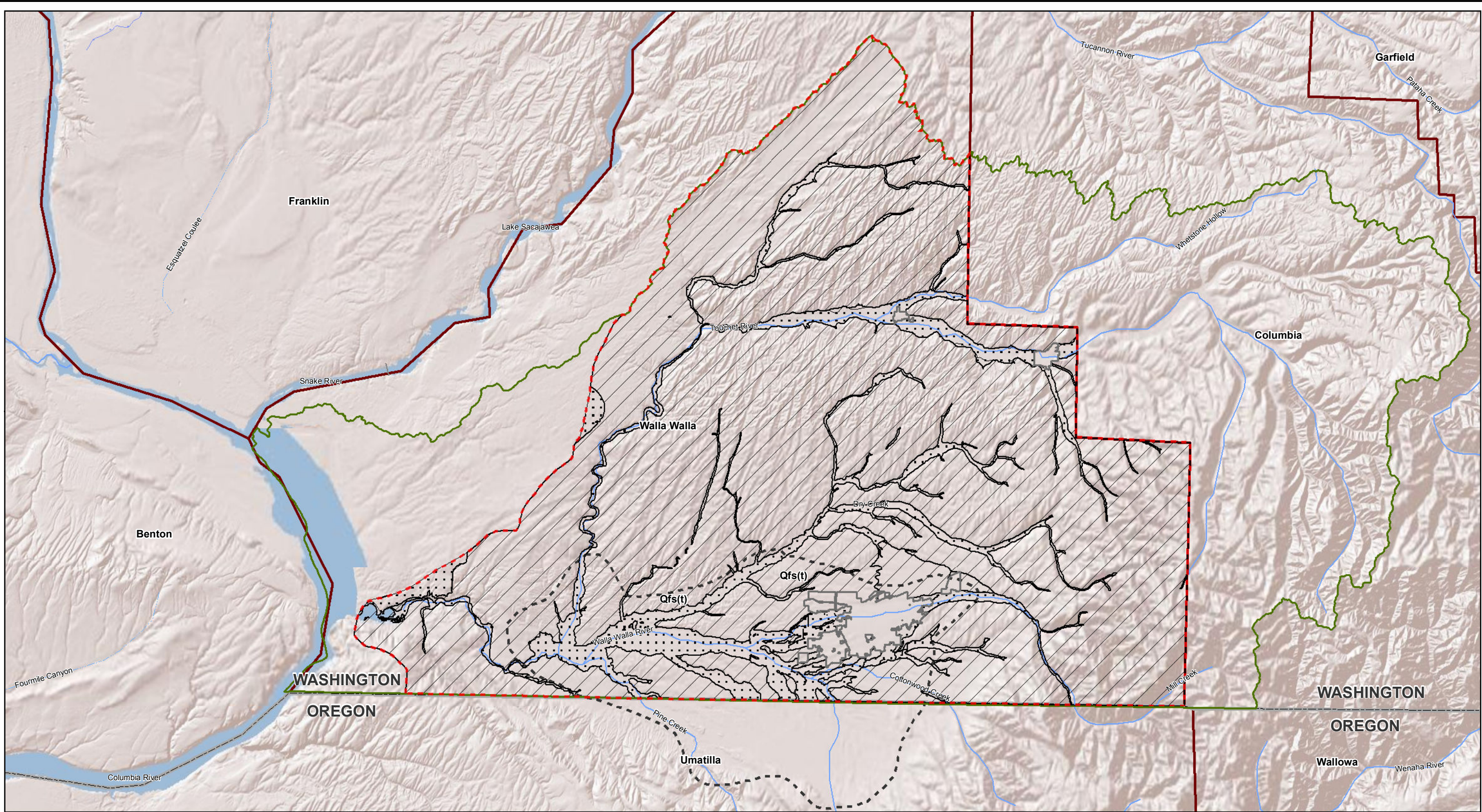
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FIGURE **1**
**WALLA WALLA RIVER SHALLOW GRAVEL AQUIFER
GROUNDWATER RECHARGE AREA MAP
(DECEMBER 2011)**

WALLA WALLA COUNTY CARA REVIEW/WA

Golder Associates





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Susceptibility Zone

- High Susceptibility (Zone 1/2)
- Low Susceptibility (Zone 3)

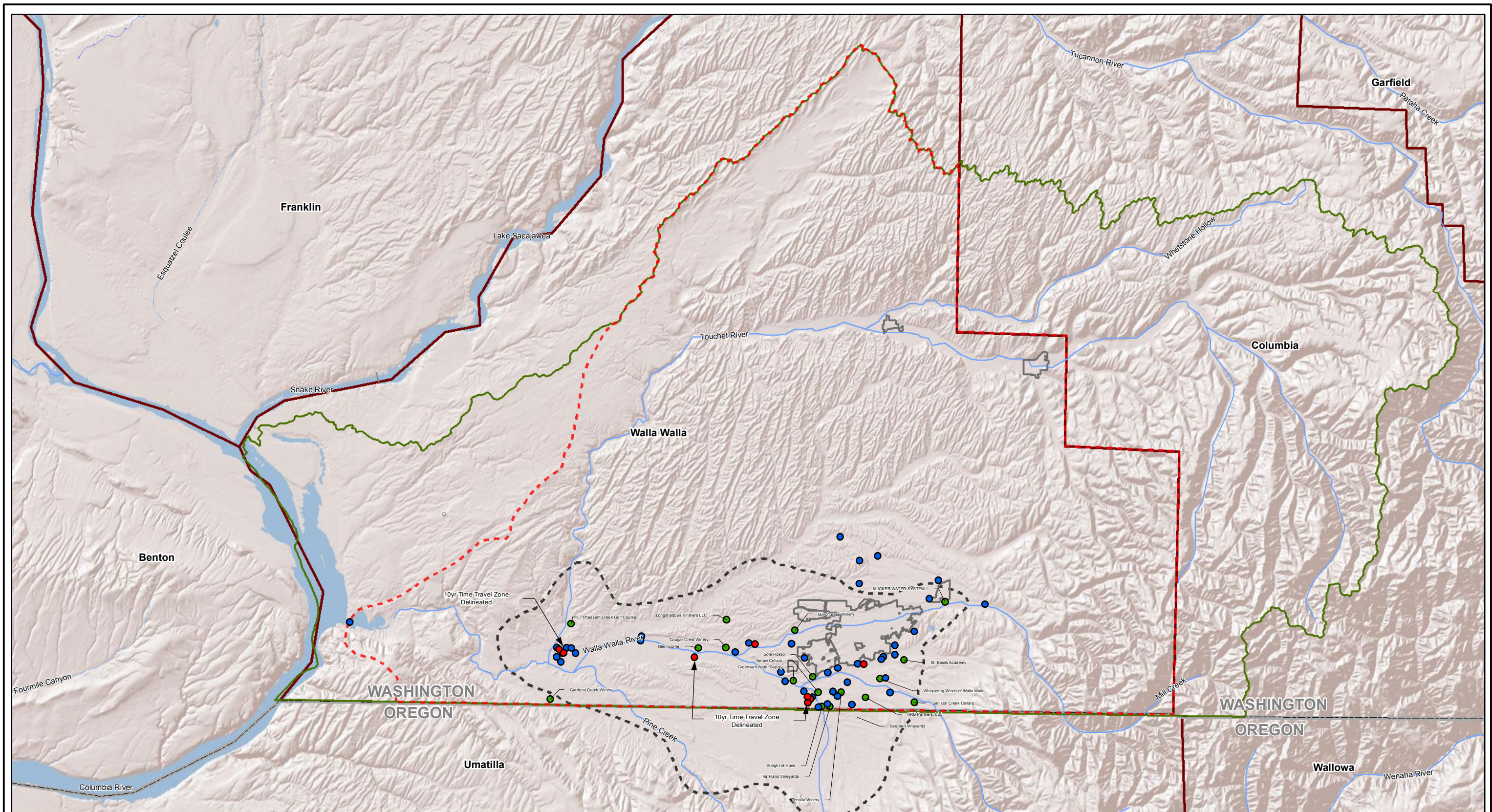


Scale in Miles
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NAD 1983 Feet
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FIGURE 3
WALLA WALLA RIVER SHALLOW GRAVEL AQUIFER
RECHARGE AREA SUSCEPTIBILITY MAP
(DECEMBER 2011)
WALLA WALLA COUNTY CARA REVIEW/WA



LEGEND

- Group A Well
- Group B Well
- Group B Well (Located based on 1/4 1/4 Sections)
- Walla Walla River Catchment
- City Limits
- WRIA 32
- Shallow Gravel Aquifer Area Delineated by County
- 10 yr Time Travel Zones
- States
- Counties

NOTE: Location of wells are approximations.



Scale in Miles
Map Projection:
Washington State Plane South
NAD 1983 Feet
Source:
Walla Walla County,
Golder Associates Inc.

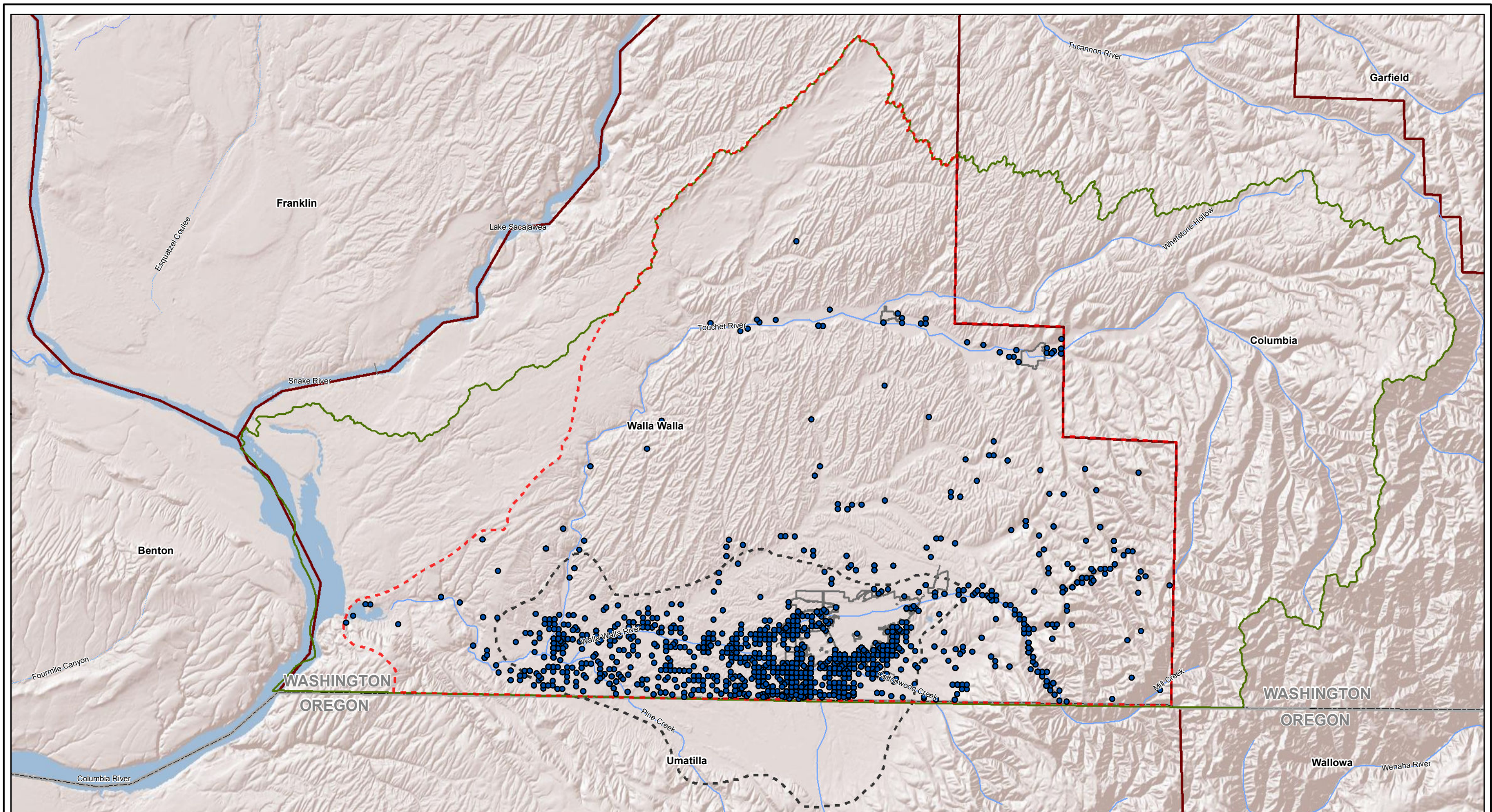


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FIGURE **4**
**WALLA WALLA RIVER GROUP A AND B PUBLIC WATERSYSTEMS
WITHIN SHALLOW GRAVEL AQUIFER RECHARGE AREA
(DECEMBER 2011)**

WALLA WALLA COUNTY CARA REVIEW/WA

Golder Associates



LEGEND

● Water Well (less than 300 feet deep)	▭ States
- - - Walla Walla River Catchment	▭ Counties
▭ WRIA 32	
▭ City Limits	
- - - Shallow Gravel Aquifer Area Delineated by County	

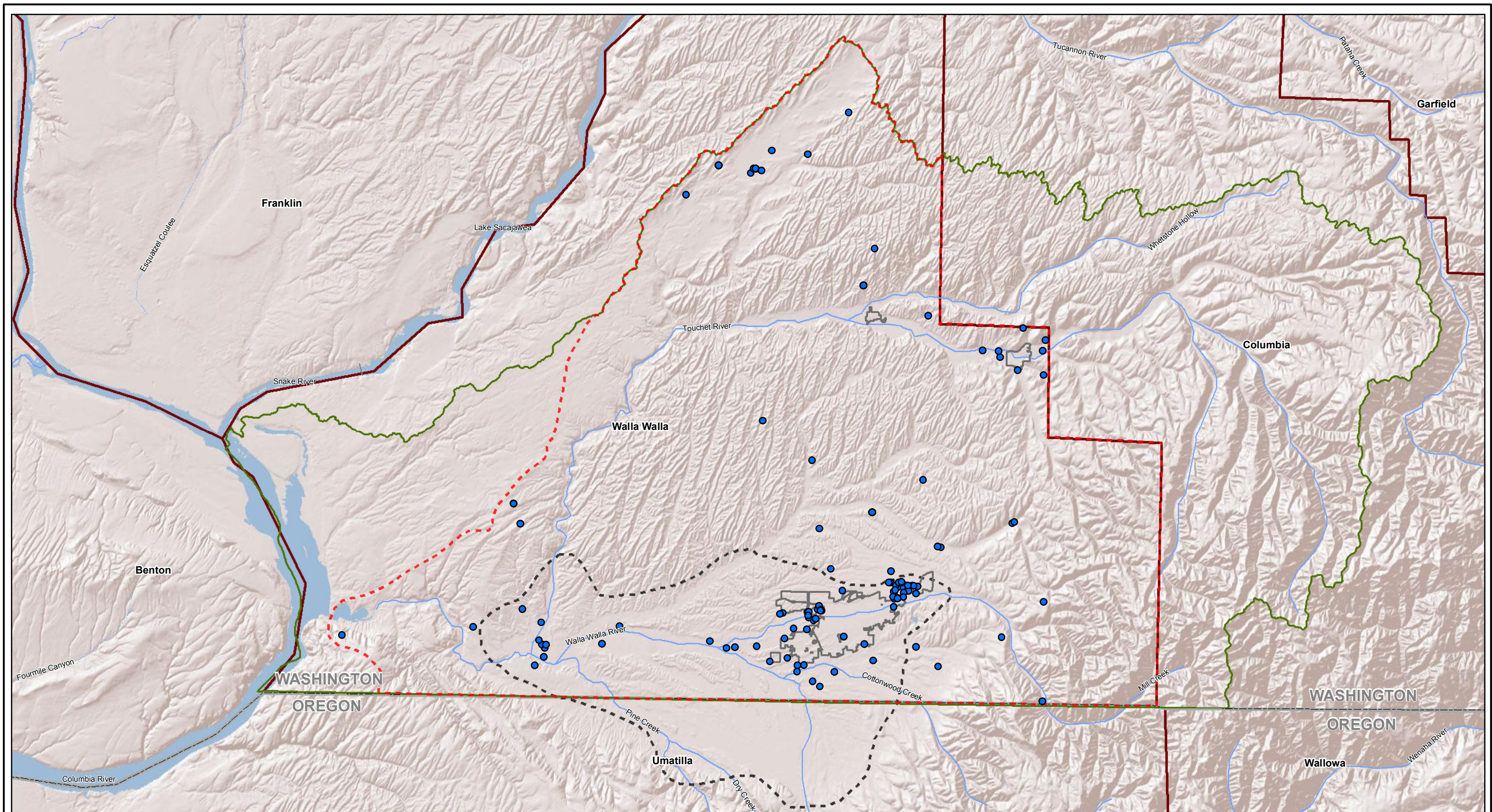
0 5
 Scale in Miles
 Map Projection:
 Washington State Plane South
 NAD 1983 Feet
 Source:
 Walla Walla County,
 Golder Associates Inc.



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FIGURE 5
WALLA WALLA RIVER LOCATION OF WELLS LESS THAN 300 FEET DEEP IN SHALLOW GRAVEL AQUIFER RECHARGE AREA (DECEMBER 2011)

WALLA WALLA COUNTY CARA REVIEW/WA



LEGEND

- Site in Database
- Walla Walla River Catchment
- WRIA 32
- City Limits
- Shallow Gravel Aquifer Area Delineated by County
- States
- Counties



Scale in Miles
Map Projection:
Washington State Plane South
NAD 1983 Feet
Source:
Walla Walla County,
Golder Associates Inc.

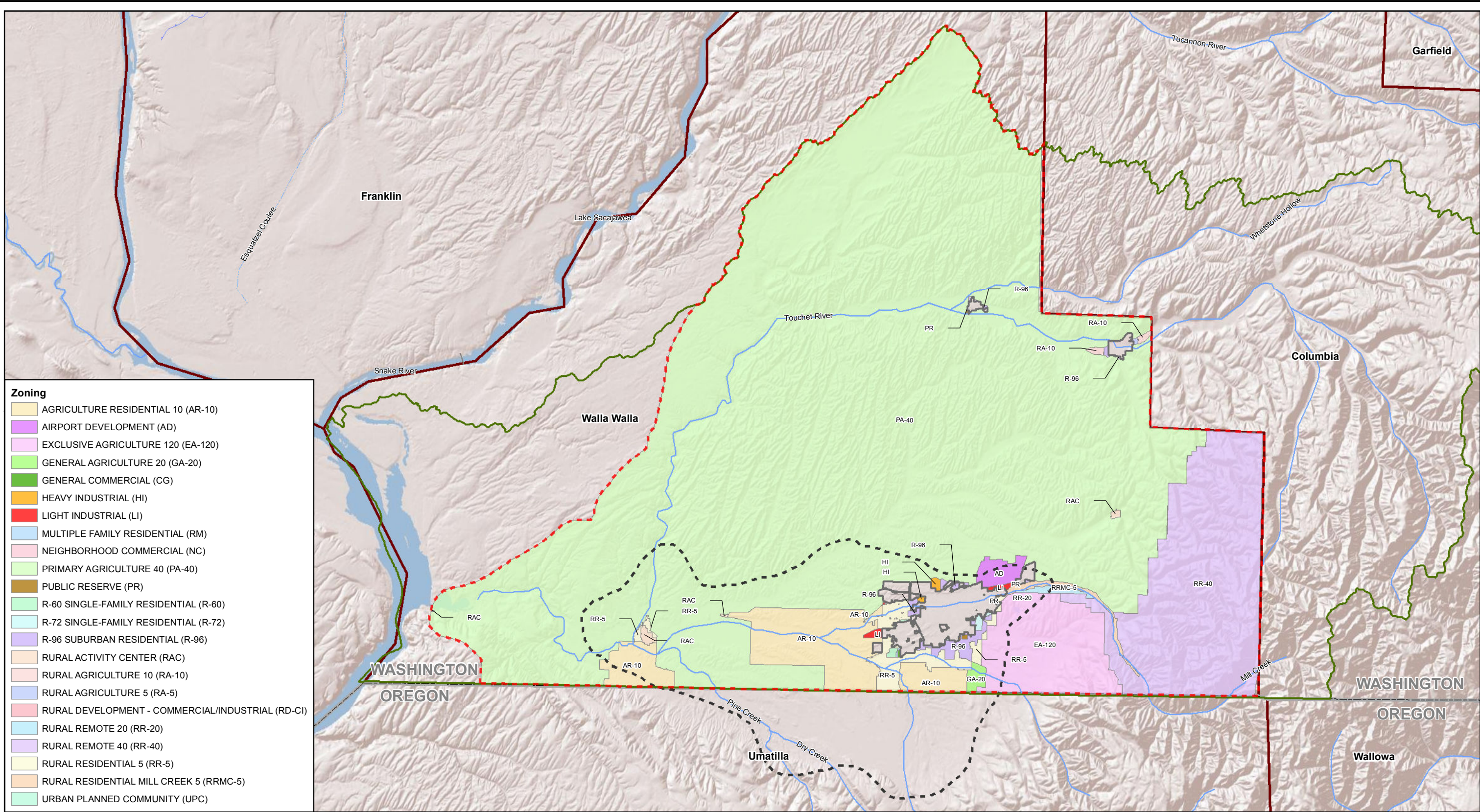


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FIGURE **6**

**LOCATION OF SITES IN WASHINGTON STATE DEPARTMENT OF ECOLOGY
FACILITY INFORMATION DATABASE THAT COULD AFFECT GROUNDWATER
QUALITY IN THE WALLA WALLA RIVER SHALLOW GRAVEL AQUIFER RECHARGE AREA
(DECEMBER 2011)**

WALLA WALLA COUNTY CARA REVIEW/WA



- Zoning**
- AGRICULTURE RESIDENTIAL 10 (AR-10)
 - AIRPORT DEVELOPMENT (AD)
 - EXCLUSIVE AGRICULTURE 120 (EA-120)
 - GENERAL AGRICULTURE 20 (GA-20)
 - GENERAL COMMERCIAL (CG)
 - HEAVY INDUSTRIAL (HI)
 - LIGHT INDUSTRIAL (LI)
 - MULTIPLE FAMILY RESIDENTIAL (RM)
 - NEIGHBORHOOD COMMERCIAL (NC)
 - PRIMARY AGRICULTURE 40 (PA-40)
 - PUBLIC RESERVE (PR)
 - R-60 SINGLE-FAMILY RESIDENTIAL (R-60)
 - R-72 SINGLE-FAMILY RESIDENTIAL (R-72)
 - R-96 SUBURBAN RESIDENTIAL (R-96)
 - RURAL ACTIVITY CENTER (RAC)
 - RURAL AGRICULTURE 10 (RA-10)
 - RURAL AGRICULTURE 5 (RA-5)
 - RURAL DEVELOPMENT - COMMERCIAL/INDUSTRIAL (RD-CI)
 - RURAL REMOTE 20 (RR-20)
 - RURAL REMOTE 40 (RR-40)
 - RURAL RESIDENTIAL 5 (RR-5)
 - RURAL RESIDENTIAL MILL CREEK 5 (RRMC-5)
 - URBAN PLANNED COMMUNITY (UPC)

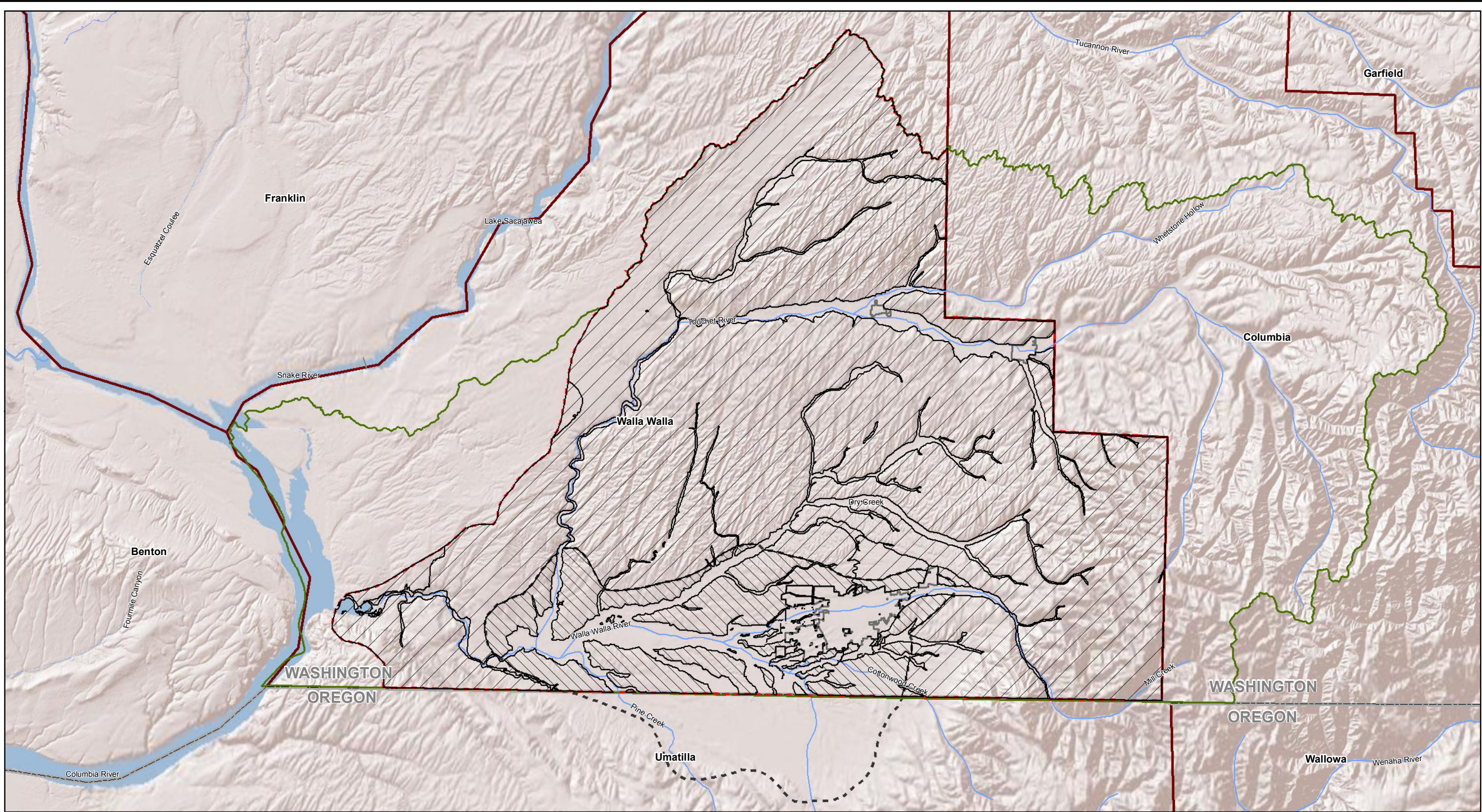
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FIGURE 7
WALLA WALLA RIVER SHALLOW GRAVEL AQUIFER
RECHARGE AREA ZONING MAP
(DECEMBER 2011)
WALLA WALLA COUNTY CARA REVIEW/WA



LEGEND

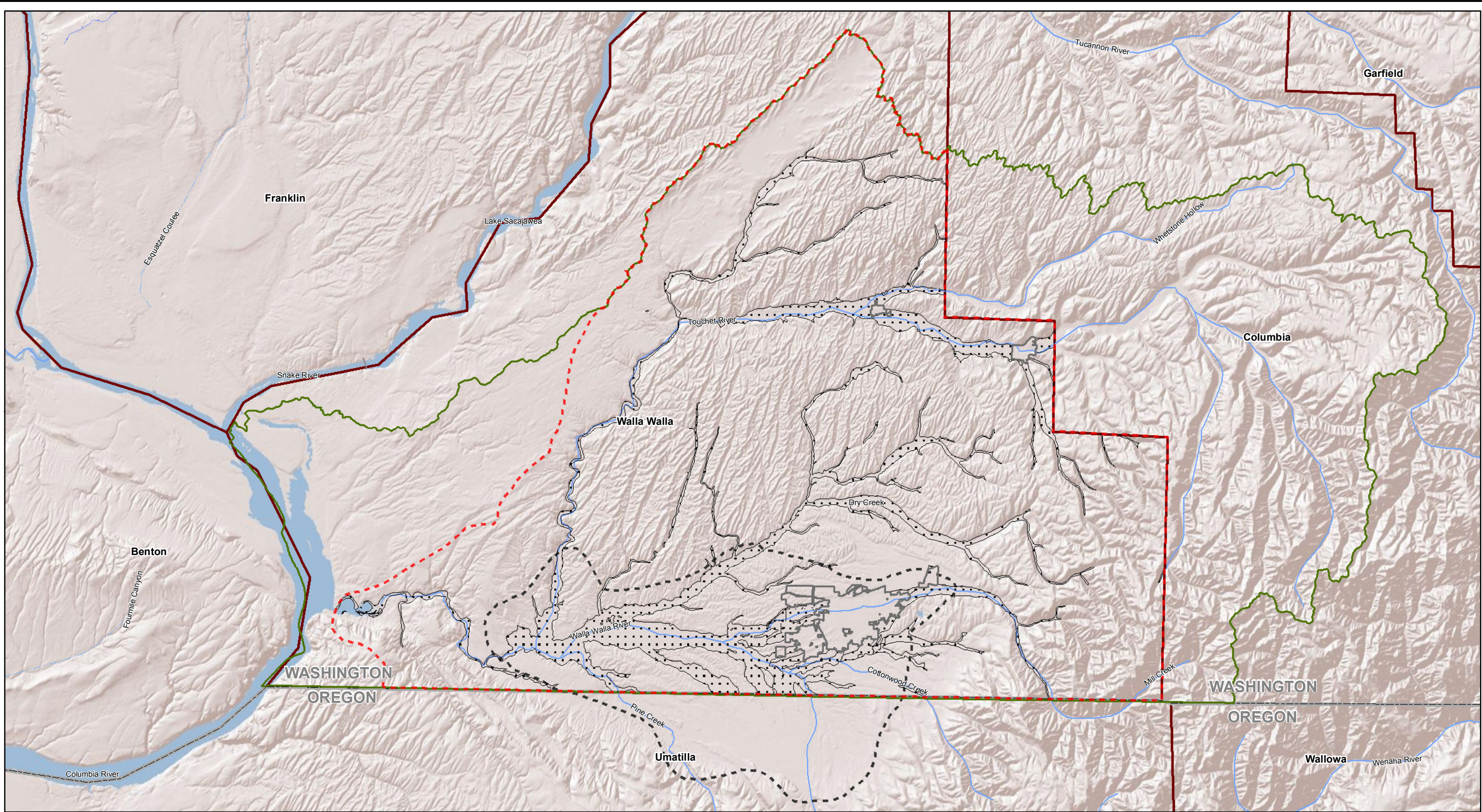
- | | |
|--|----------------------------------|
| Walla Walla River Catchment | Aquifer Vulnerability |
| WRIA 32 | Zone I (High Vulnerability) |
| City Limits | Zone II (Moderate Vulnerability) |
| Shallow Gravel Aquifer Area Delineated by County | Zone III (Low Vulnerability) |
| States | |
| Counties | |

0 5
Scale in Miles
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NAD 1983 Feet
Source:
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Golder Associates Inc.



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MAP **8**
**WALLA WALLA RIVER SHALLOW GRAVEL AQUIFER
RECHARGE VULNERABILITY MAP
(DECEMBER 2011)**
WALLA WALLA COUNTY CARA REVIEW/WA



LEGEND

Critical Aquifer Recharge Area

Walla Walla River Catchment

City Limits

WRIA 32

Shallow Gravel Aquifer Area Delineated by County

States

Counties

0

5

Scale in Miles

Map Projection:
Washington State Plane South
NAD 1983 Feet

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Golder Associates Inc.



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FIGURE 9
**WALLA WALLA RIVER SHALLOW GRAVEL AQUIFER
CRITICAL AQUIFER RECHARGE AREA MAP
(DECEMBER 2011)**
WALLA WALLA COUNTY CARA REVIEW/WA