

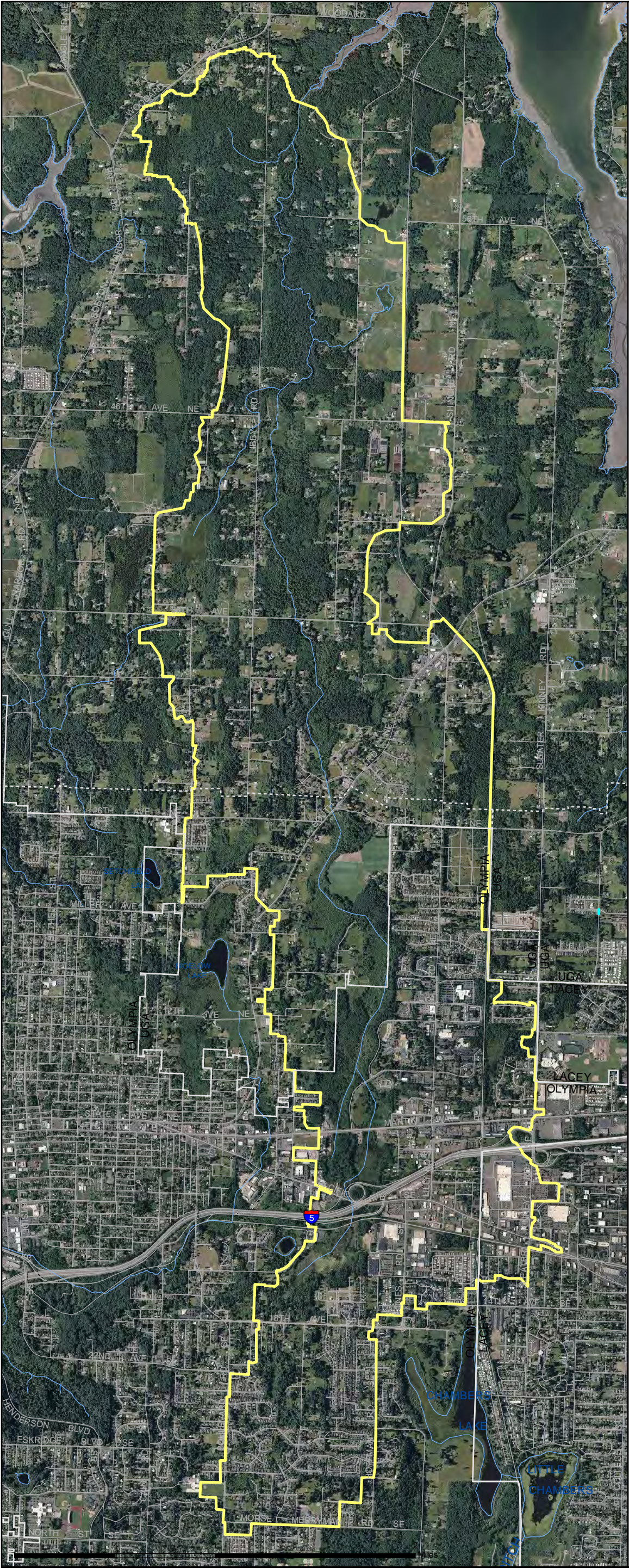
Woodard Creek Basin
Map 1: Project Area



- Science to Local Policy
Project Area
- Modeled Basins
 - Black Lake
 - McLane Creek
 - Woodard Creek
- Jurisdiction
 - City Limits
 - Urban Growth Area (UGA)






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Woodard Creek Basin
Map 2: 2012 Aerial Overview










-  Basin Boundary
-  City Limits
-  Urban Growth Area (UGA)



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





This map illustrates the watershed area for the Olympia, WA region, outlined in black. The map includes various geographical features and infrastructure:

- Water Bodies:** Woodard Bay, South Bay, Setchfield Lake, Bigelow Lake, Chambers Lake, and Little Chambers Lake.
- Parks:** Friendly Grove Park, Watershed Park, Margaret McKenney Park, and Henderson Park.
- School Districts and Schools:**
 - South Bay Elementary** (red triangle icon)
 - Pleasant Glade Elementary** (red triangle icon)
 - South Sound High** (red triangle icon)
 - Chinook Middle** (red triangle icon)
 - North Thurston High** (red triangle icon)
 - Lacey Olympia** (red triangle icon)
 - Washington Middle** (red triangle icon)
 - Mckenny Elementary** (red triangle icon)
 - Pioneer Elementary** (red triangle icon)
 - Olympia High** (red triangle icon)
 - Madison Elementary** (red triangle icon)
 - Roosevelt Elementary** (red triangle icon)
 - Q.R.L.A.** (red triangle icon)
 - District Office** (red triangle icon)
- Streets and Highways:** Major roads include 46th Ave NE, 36th Ave NE, 26th Ave NE, 12th Ave NE, 4th Ave NE, 18th Ave SE, 22nd Ave SE, 14th Ave SE, and 10th Ave SE. Highways shown are 5, 16, and 101.
- Other Features:** The map also shows the city of Olympia, the city of Lacey, and the city of Thurston.

-  Basin Boundary
-  City Limits
-  Urban Growth Area (UGA)
-  wetlands_trpc
-  Parks & Preserves
-  Capitol Forest
-  school sites

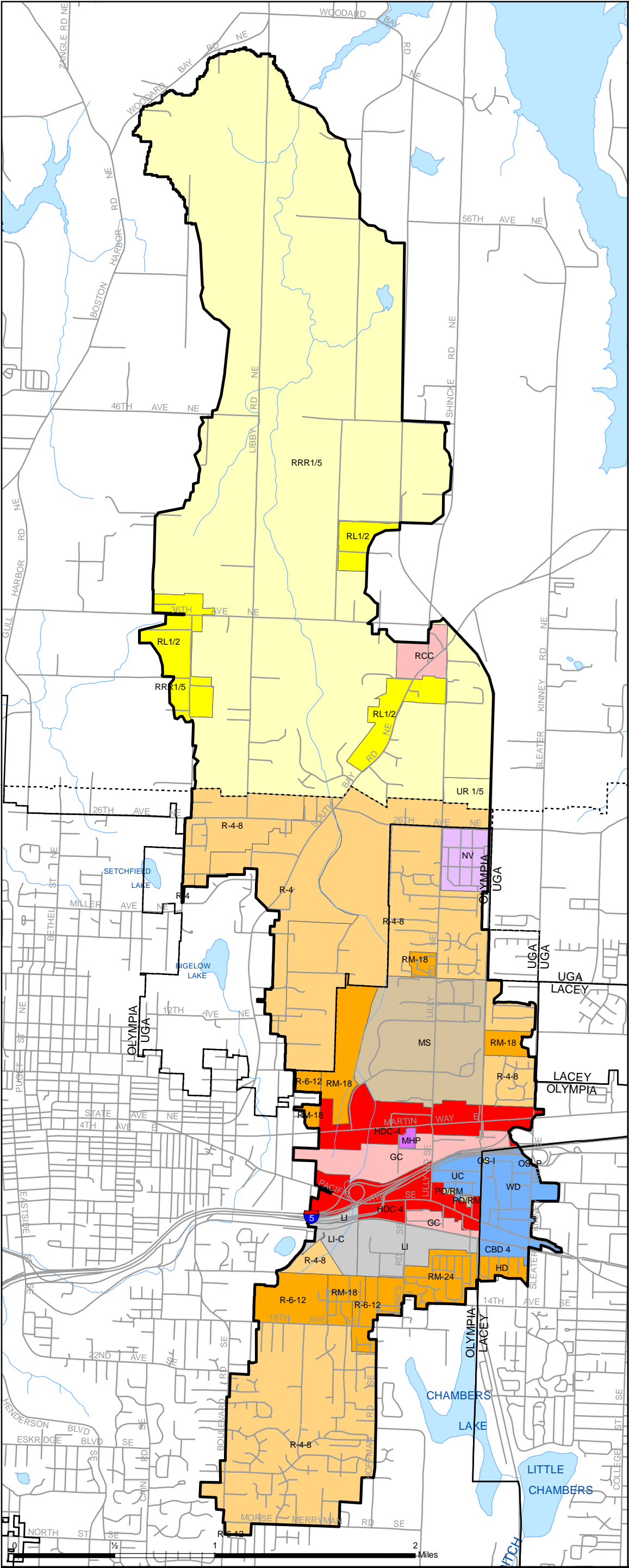


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-  Basin Boundary
 -  City Limits
 -  Urban Growth Area (UGA)
 -  **Group A Soils**
Low runoff potential and high infiltration rates
 -  **Group B Soils**
Moderate infiltration rates and moderately well to well drained soils.
 -  **Group C Soils**
Low infiltration rates
 -  **Group D Soils**
High runoff potential and very low infiltration rates. Includes soils with a high water table.

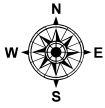


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Woodard Creek Basin

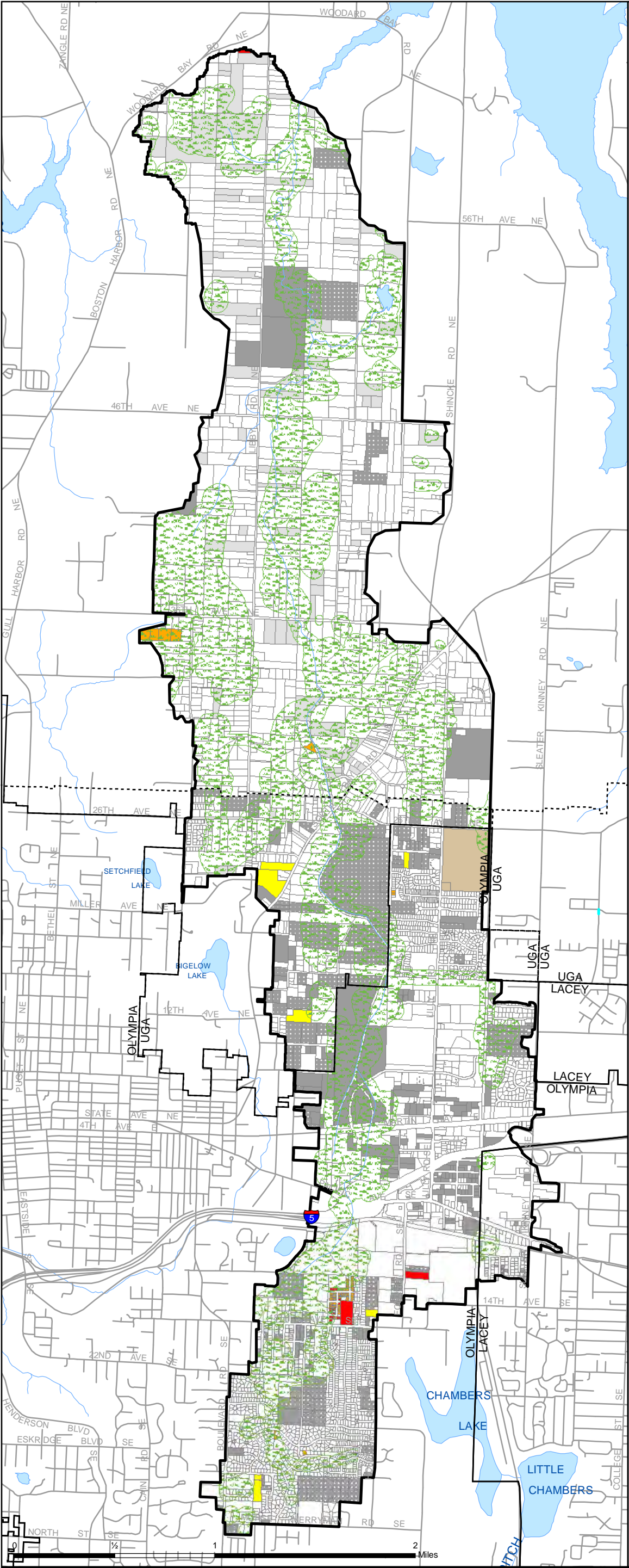
Map 5: Current Zoning (2014)



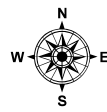
- Basin Boundary
- City Limits
- Urban Growth Area (UGA)
- Zoning Category
 - RURAL RESIDENTIAL (RRR 1/5, UR 1/5)
 - RESIDENTIAL LAMIRD (RL1/2)
 - RESIDENTIAL (R-4, R-4-8)
 - HIGH DENSITY RESIDENTIAL (HD, RM-18, RM-24, R-6-12)
 - NEIGHBORHOOD VILLAGE
 - MANUFACTURE HOUSING PARK (MHP)
 - URBAN CENTER (CBD4, CBD5, UC, WD)
 - HIGH DENSITY CORRIDOR (HDC-4)
 - COMMERCIAL (GC, RCC)
 - LIGHT INDUSTRIAL (LI, LI-C)
 - PROFESSIONAL SERVICE (MS, PO/RM)
 - OPEN SPACE (OS-I, OSI-S)



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Woodard Creek Basin
Map 6: Residential
Development Potential



- Basin Boundary
- City Limits
- Urban Growth Area
- 2010 Residential Development Potential**
 - Recently Permitted
 - Subdivision Lots
 - Planned Projects
 - Master Planned Communities
 - Vacant Single Lots
 - Vacant Subdividable Lots
 - Partially-Used Subdividable
 - Environmental Constraints



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Woodard Creek Basin
Map 7: Public Comments from
April 2014 Workshop



At the McLane Creek and Black Lake Community Workshop (4/9/2014), participants were asked two questions:

What special areas need protection?

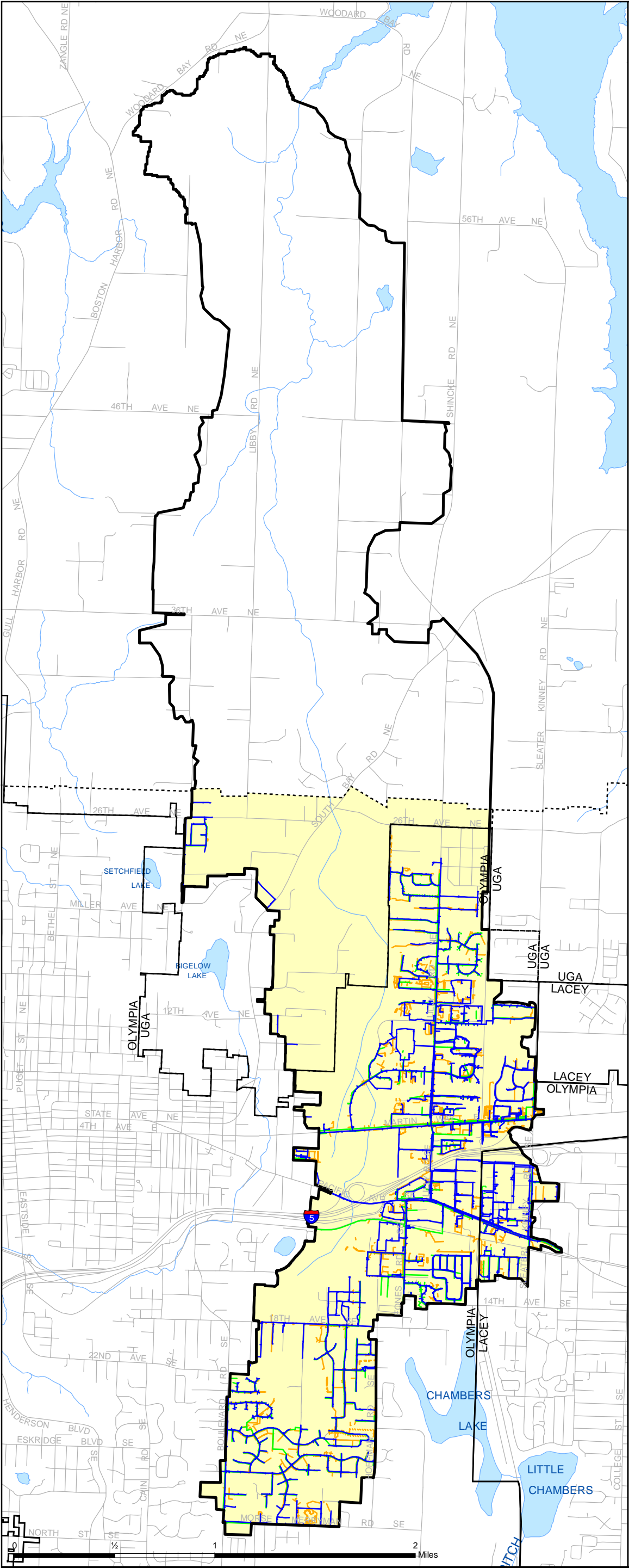
What special concerns do you have?

This map shows the comments that were received.

- Basin Boundary
- City Limits
- Urban Growth Area (UGA)



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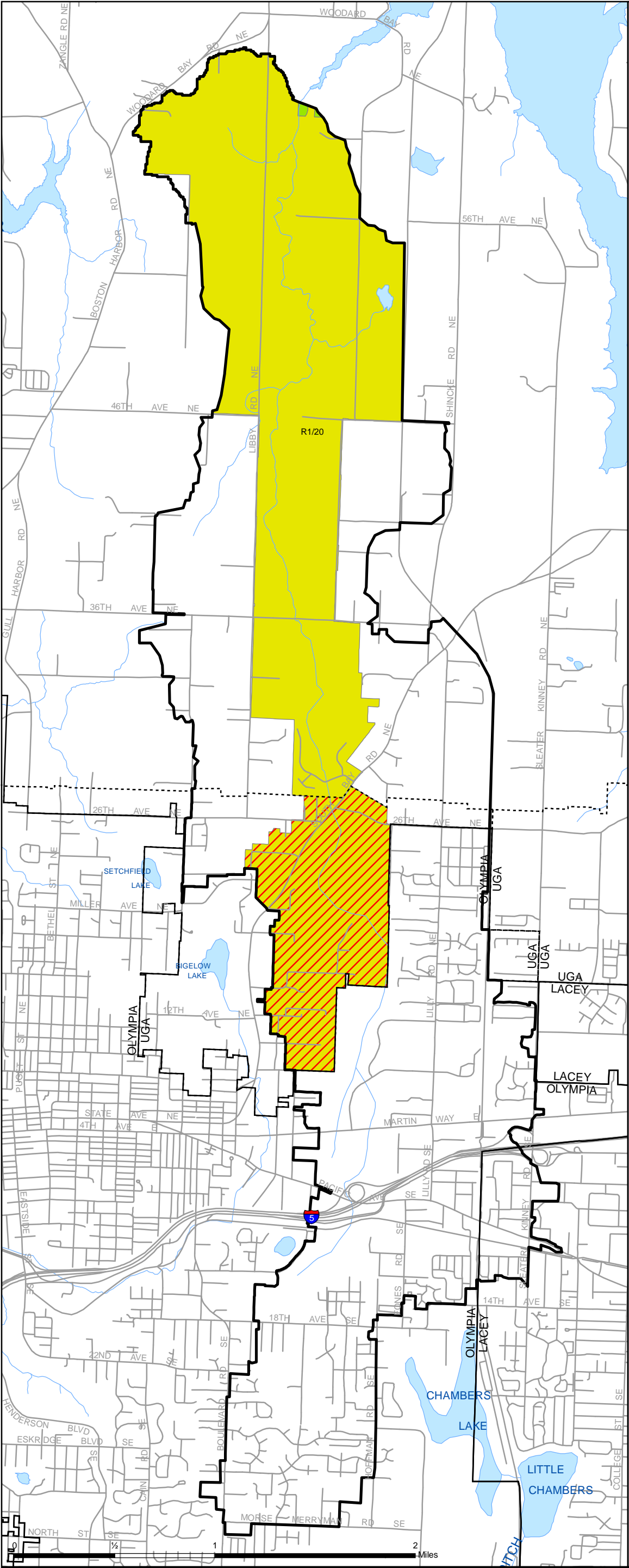
Woodard Creek Basin
Map 8: Water, Sewer and
Stormwater Infrastructure



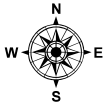
- Basin Boundary
- City Limits
- Urban Growth Area (UGA)
- Infrastructure
 - Water
 - Sewer
 - Stormwater
 - Future Service Area



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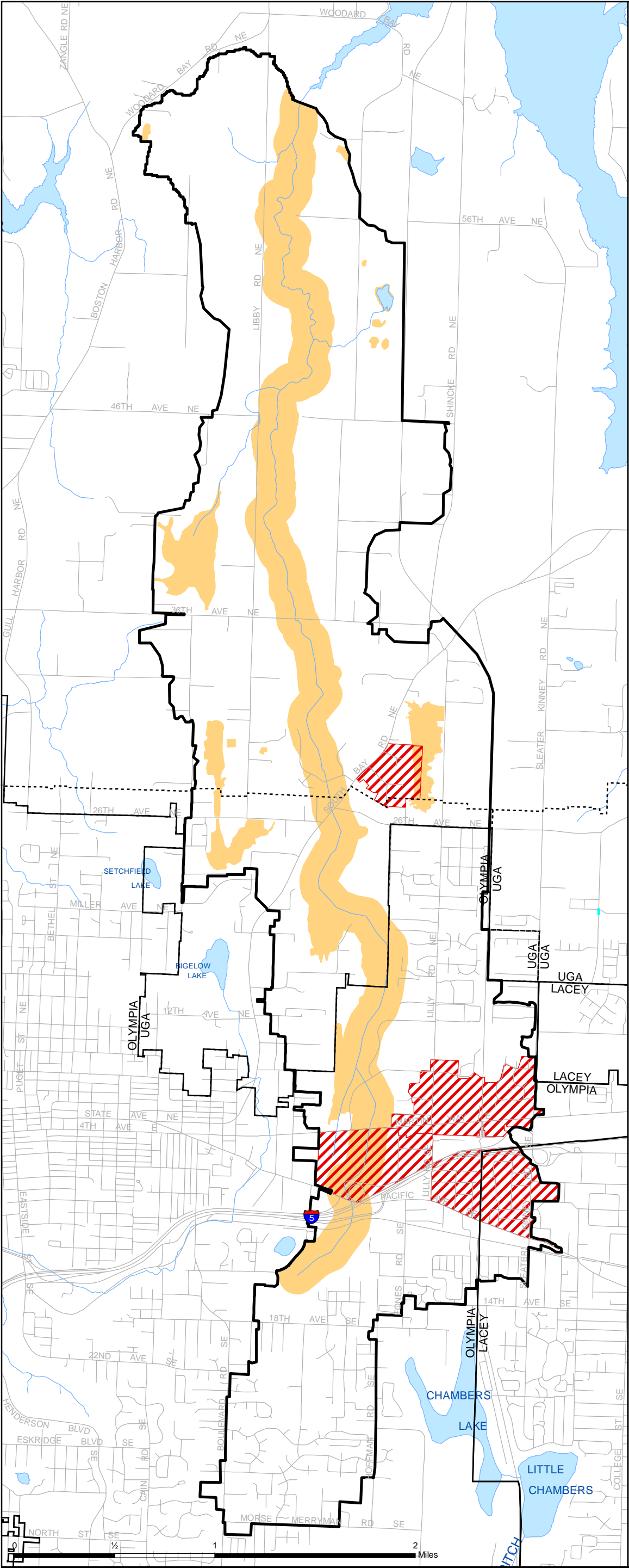
Woodard Creek Basin
Map 9: Future A Scenario



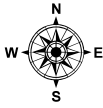
- Basin Boundary
- City Limits
- Urban Growth Area (UGA)
- Remove from UGA
- Zoning Change**
- R1/20
- PARKS & PRESERVES








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Woodard Creek Basin
Map 10: Future B Scenario



-  Basin Boundary
-  City Limits
-  Urban Growth Area (UGA)
-  Restoration Areas
-  Stormwater Retrofit Sites



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CURRENT IMPERVIOUS AREA

PLANNED TREND SCENARIO









FUTURE A SCENARIO

FUTURE B SCENARIO

Legend:

- 4% - 5%
- 6% - 10%
- 11% - 20%
- 21% - 50%
- 51% - 100%

Scale: 0, 1/2, 1, 2 Miles

-  Basin Boundary
-  City Limits
-  Urban Growth Area (UGA)
- Change in Impervious Area**
-  Decrease in Impervious Area
-  Less than 2.0% Increase
-  2.1% - 5.0%
-  5.1% - 10.0%
-  10% Increase or Greater



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CURRENT FOREST COVER









- 0% - 30%
- 31% - 45%
- 46% - 65%
- 66% - 80%
- 81% - 100%

PLANNED TREND SCENARIO

FUTURE A SCENARIO

FUTURE B SCENARIO

0 1/2 1 2 Miles

-  Basin Boundary
-  City Limits
-  Urban Growth Area (UGA)
- Change in Forest Cover**
-  Increase in Forest Cover
-  Less than 2% Loss
-  2.0 - 4.9%
-  5.0 - 9.9%
-  More than 10% Loss



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