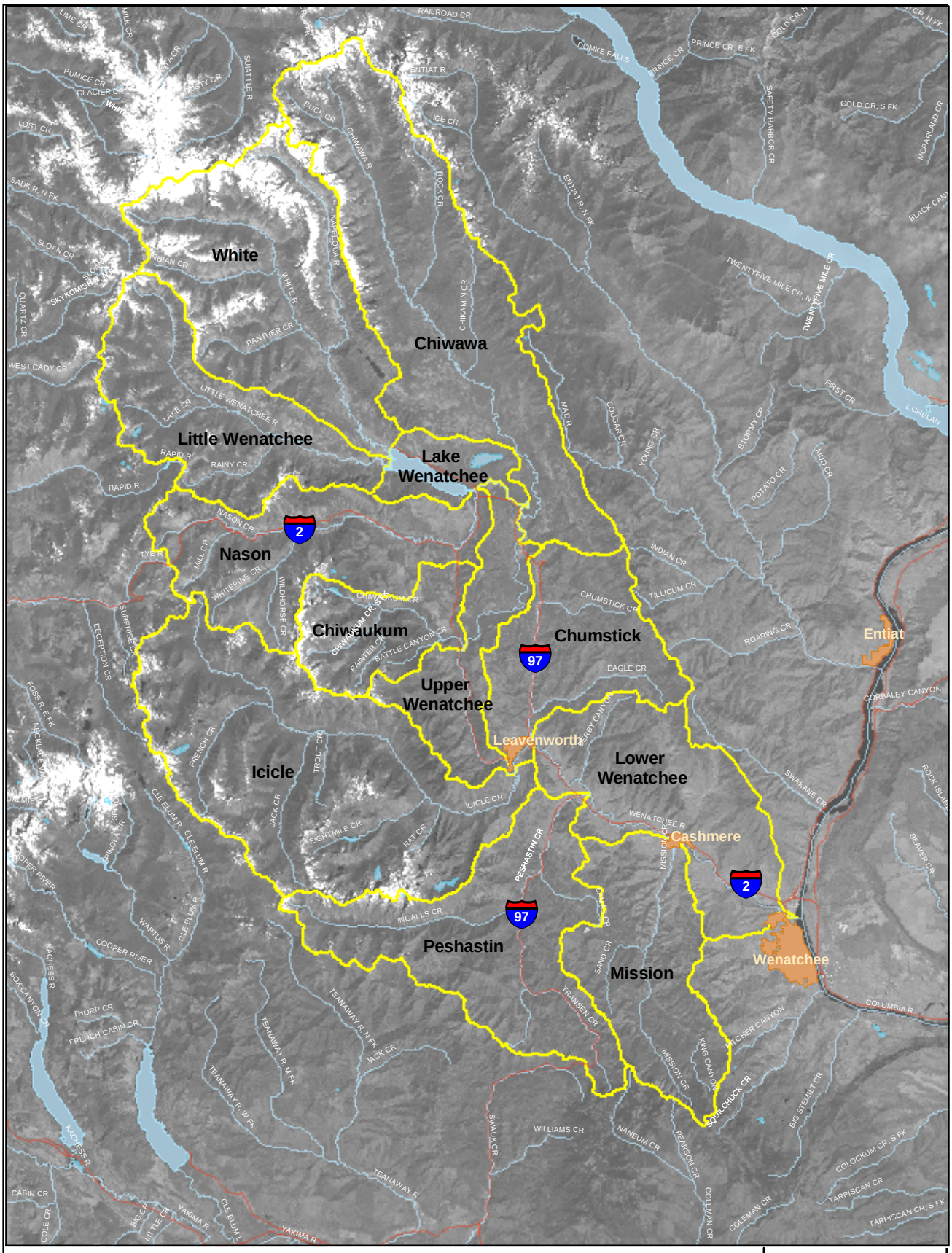

Sub-Basins
Highways
Rivers
Lakes
Cities

Map 1
Sub-Basins in Wenatchee Watershed
WRIA 45 Watershed Assessment

0 8 Miles

MONTGOMERY WATER GROUP, INC.
Water Resources Engineering

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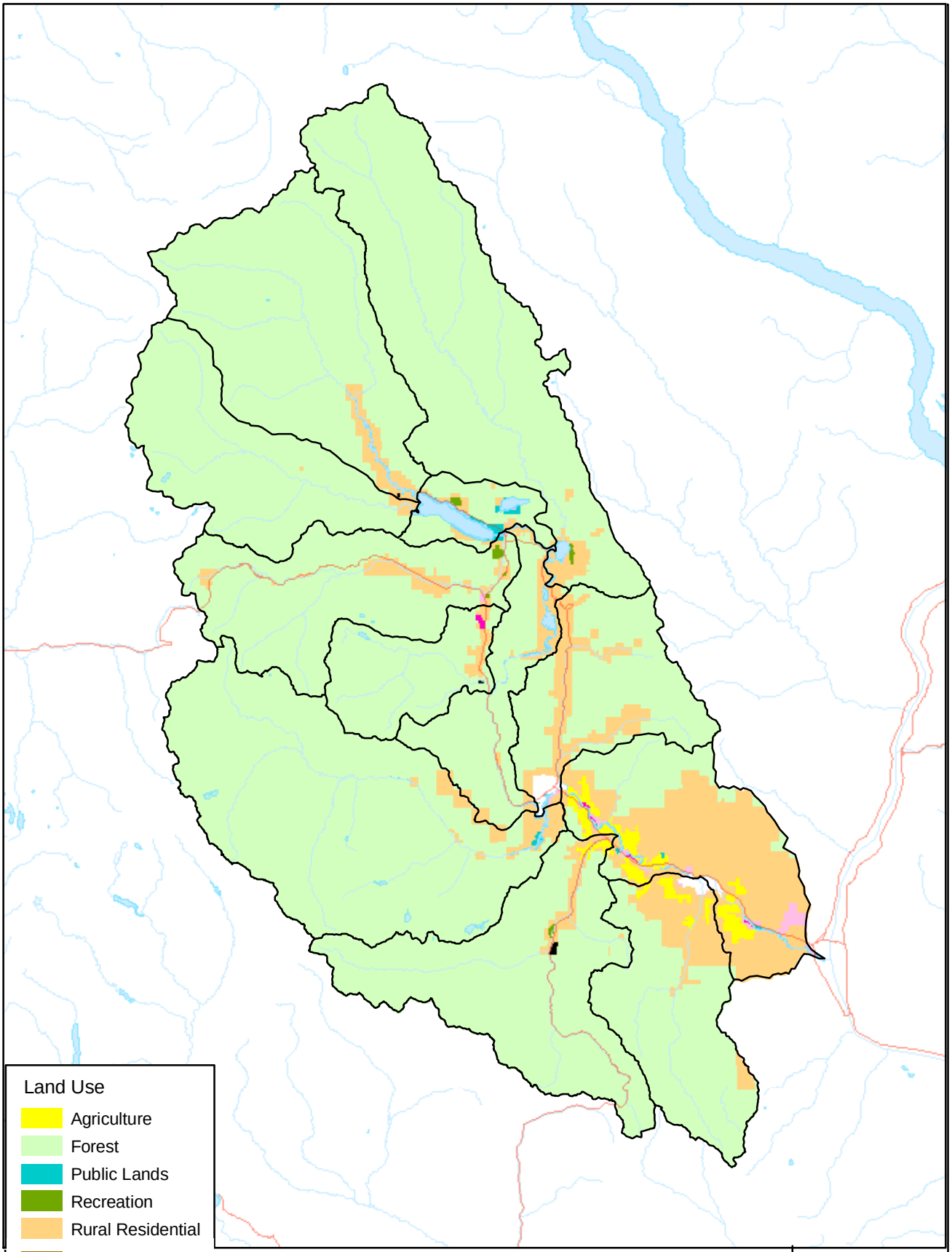


Land Use

- Agriculture
- Forest
- Public Lands
- Recreation
- Rural Residential
- Urban Residential
- Commercial
- Industrial
- Mineral

- Sub-Basins
- Highways
- Rivers
- Lakes

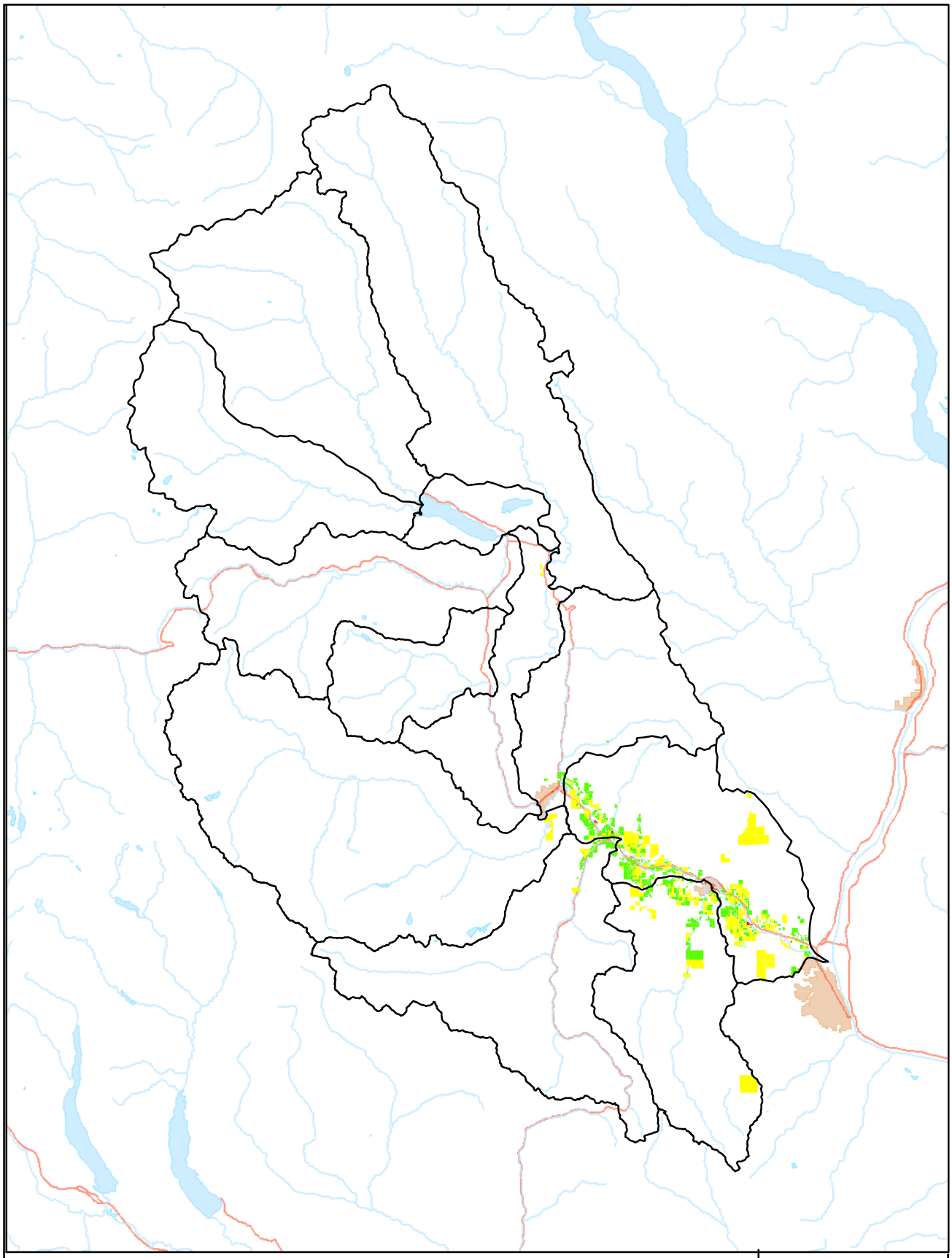
Source: Zoning land use data from Chelan County.

Map 2
Zoning Land Use in Wenatchee Watershed
WRIA 45 Watershed Assessment

0 4 8 Miles

MONTGOMERY WATER GROUP, INC.
Water Resources Engineering

Y:\10001026_WRIA_45\GIS\PG\work\mxd\map7_landuse.mxd 6/3/03



Agricultural Land Use

- Open Space
- Not in Open Space

Source: Taxlot land use from Chelan County.

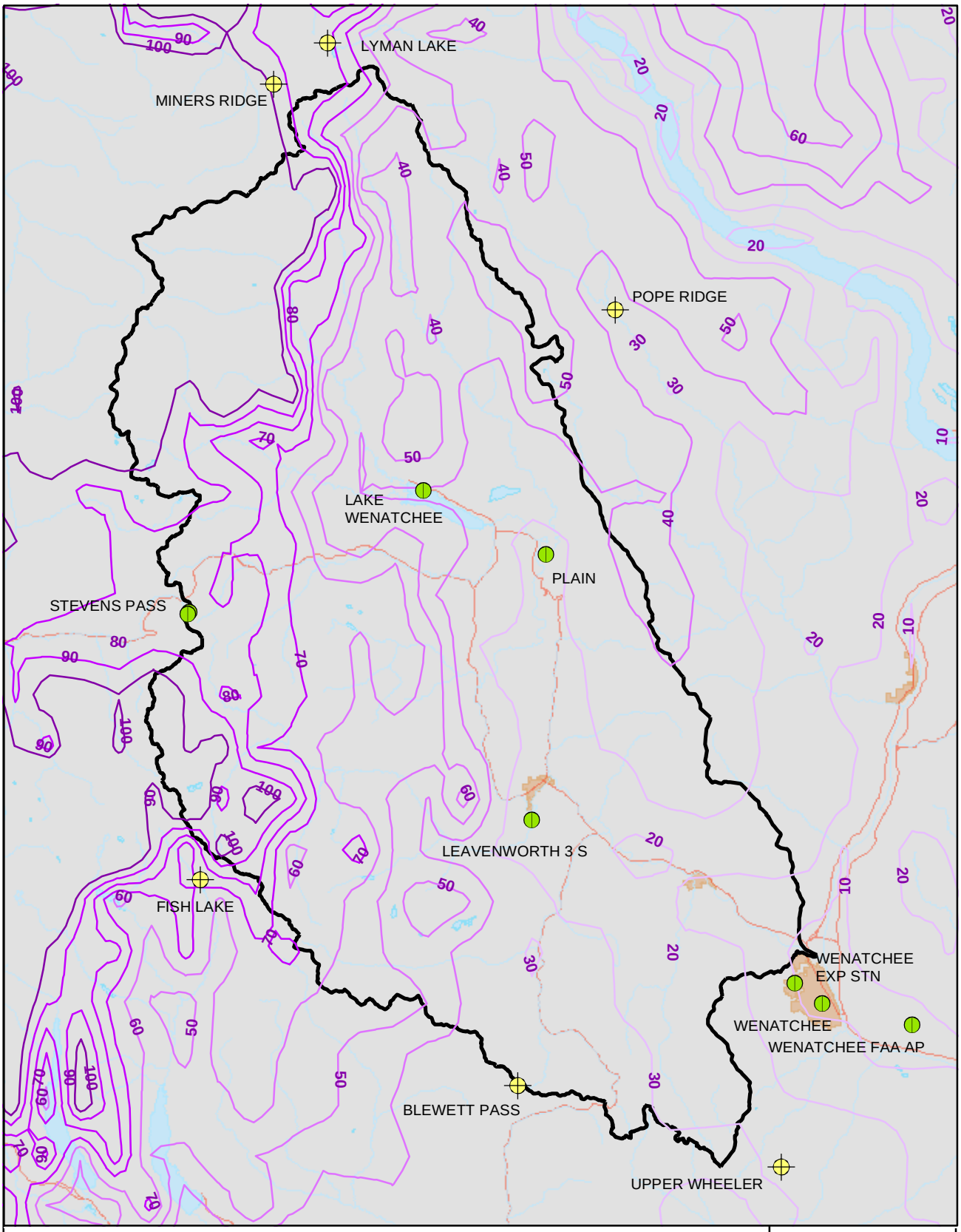
- Highways
- Rivers
- Lakes
- Cities
- Sub-Basins

Map 3
Taxlots Land Use in Wenatchee Watershed
WRIA 45 Watershed Assessment

0 4 8 Miles

MONTGOMERY WATER GROUP, INC.
Water Resources Engineering

Y:\1000\1026_WRIA_45\GIS\PG\work\mxd\map8_taxlots-landuse.mxd, 6/3/03



Precipitation (inches)
100
90
80
70
60
50
40
30
20
10
Wenatchee Watershed

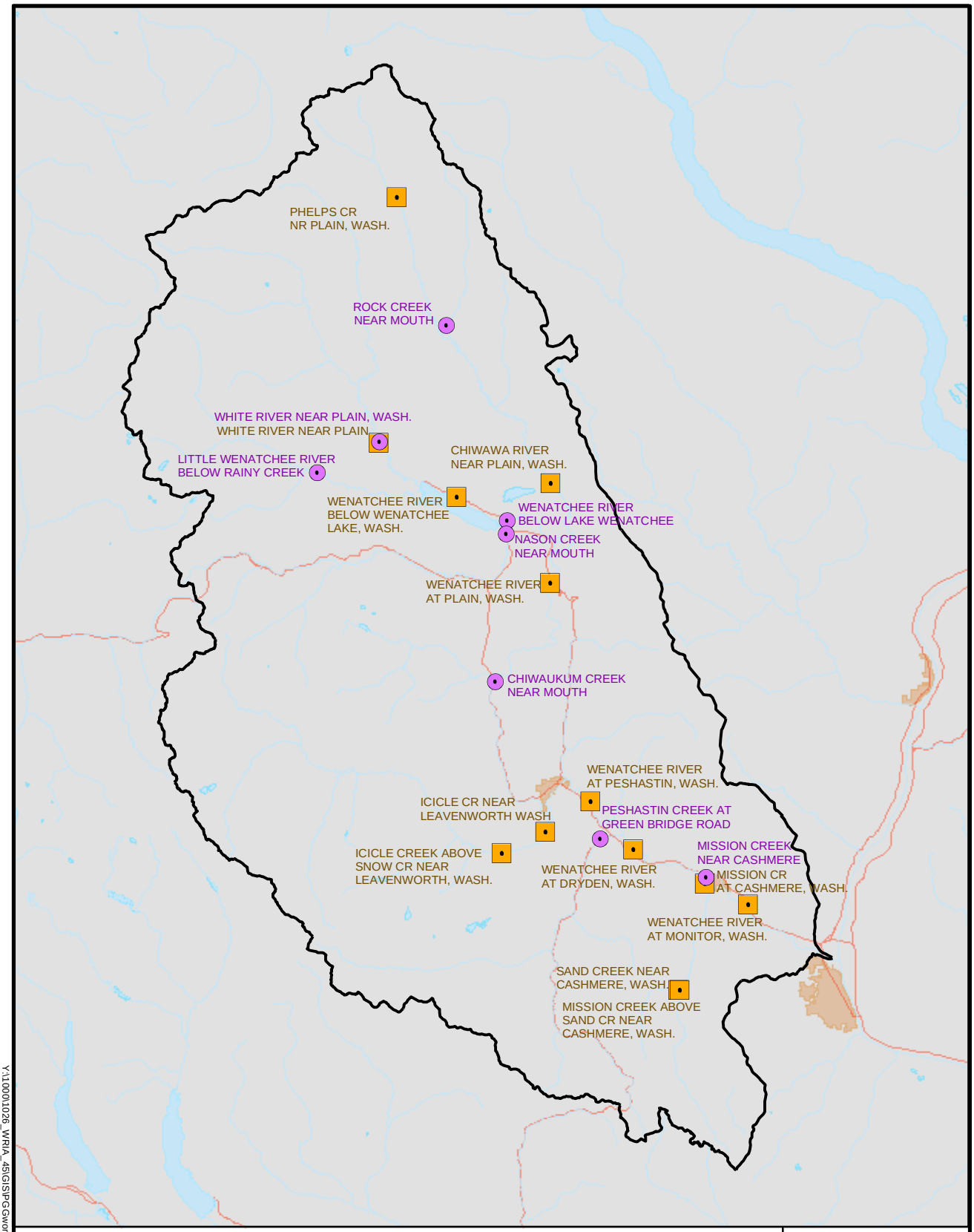
SNOTEL Gage
WRCC Gage
Highways
Rivers
Lakes
Cities

Map 4
Wenatchee Watershed Precipitation Map
WRIA 45 Watershed Assessment

0 4 8 Miles

MONTGOMERY WATER GROUP, INC.
Water Resources Engineering

Y:\10001\026_WRIA_45\GIS\PGGwork\mxd\map2_precipitation.mxd, 6/3/03



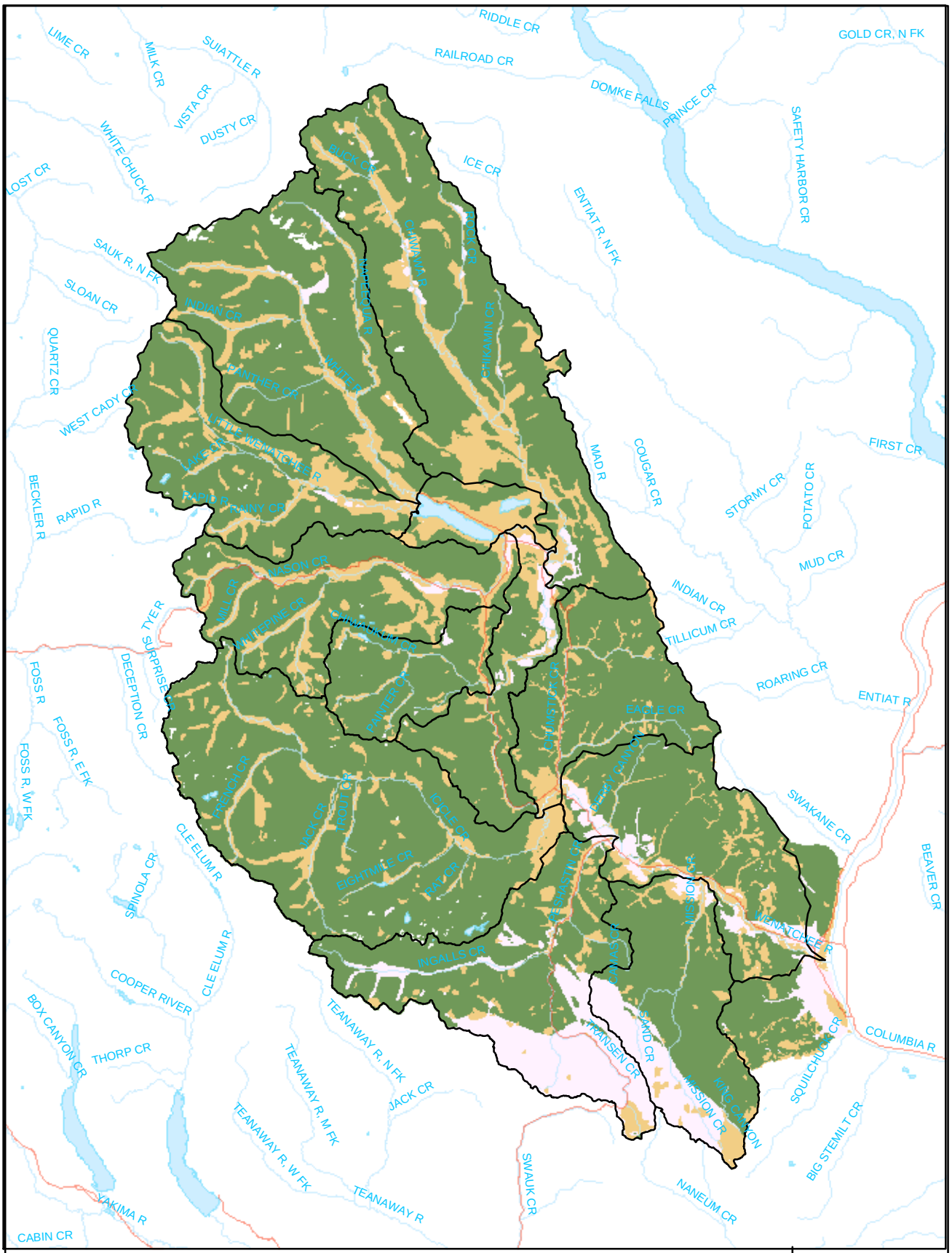
Ecology Gage
USGS Gage
Lakes
Cities
Wenatchee Watershed
Highways
Rivers

Map 5
Location of USGS Gaging Stations in Wenatchee Watershed
WRIA 45 Watershed Assessment

0 4 8 Miles

MONTGOMERY WATER GROUP, INC.
Water Resources Engineering

Y:\10001026_WRIA_45\GIS\PGGworkl\mxd\map3_streamgages.mxd, 5/29/03



Hydraulic Conductivity

- Very Low
- High
- Moderate to Low

- Sub-Basins
- Highways
- Rivers
- Lakes

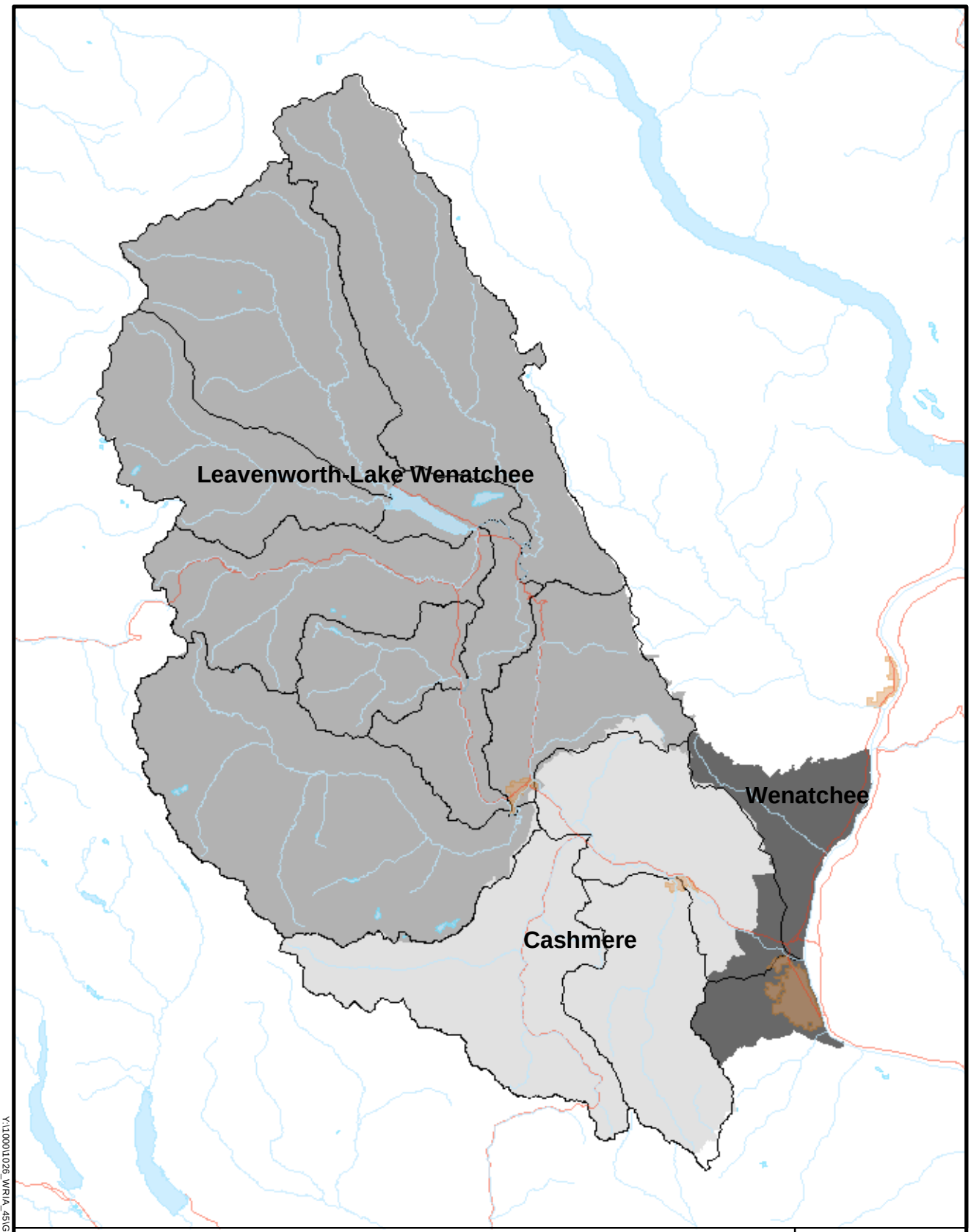
Source: Modified from USGS Surficial Geology Map.

Map 6
Relative Hydraulic Conductivity in Wenatchee Watershed
WRIA 45 Watershed Assessment

0 4 8 Miles

MONTGOMERY WATER GROUP, INC.
Water Resources Engineering

Y:\10001026_WRIA_45\GIS\PGGworkl\mxd\map_surfgeology.mxd, 6/3/03



Census County Divisions
- Cashmere
- Leavenworth-Lake Wenatchee
- Wenatchee
- Sub-Basins
- Highways
- Rivers
- Lakes
- Cities

Map 7
Census County Divisions in Wenatchee Watershed
WRIA 45 Watershed Assessment

0 8 Miles

MONTGOMERY WATER GROUP, INC.
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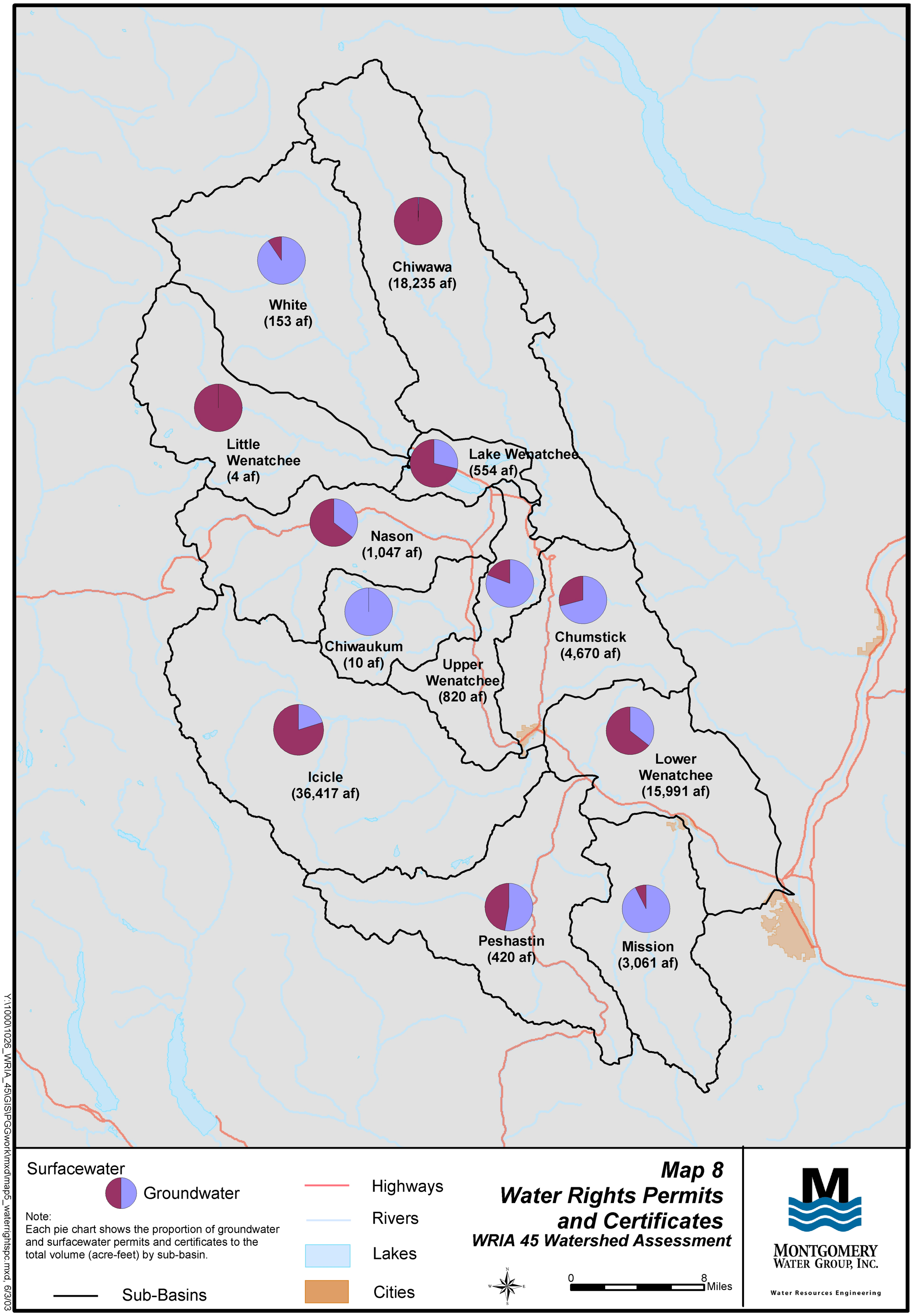
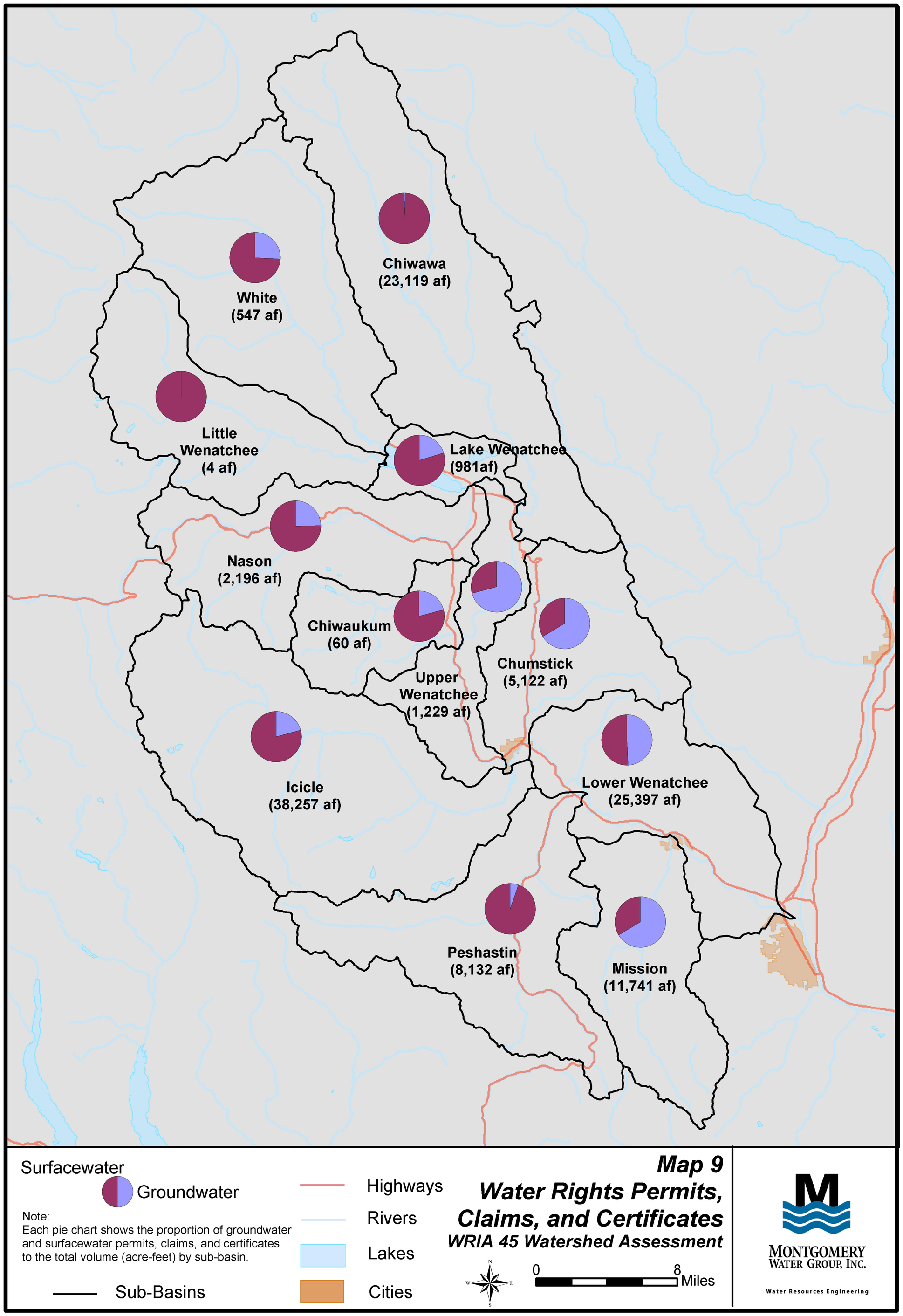
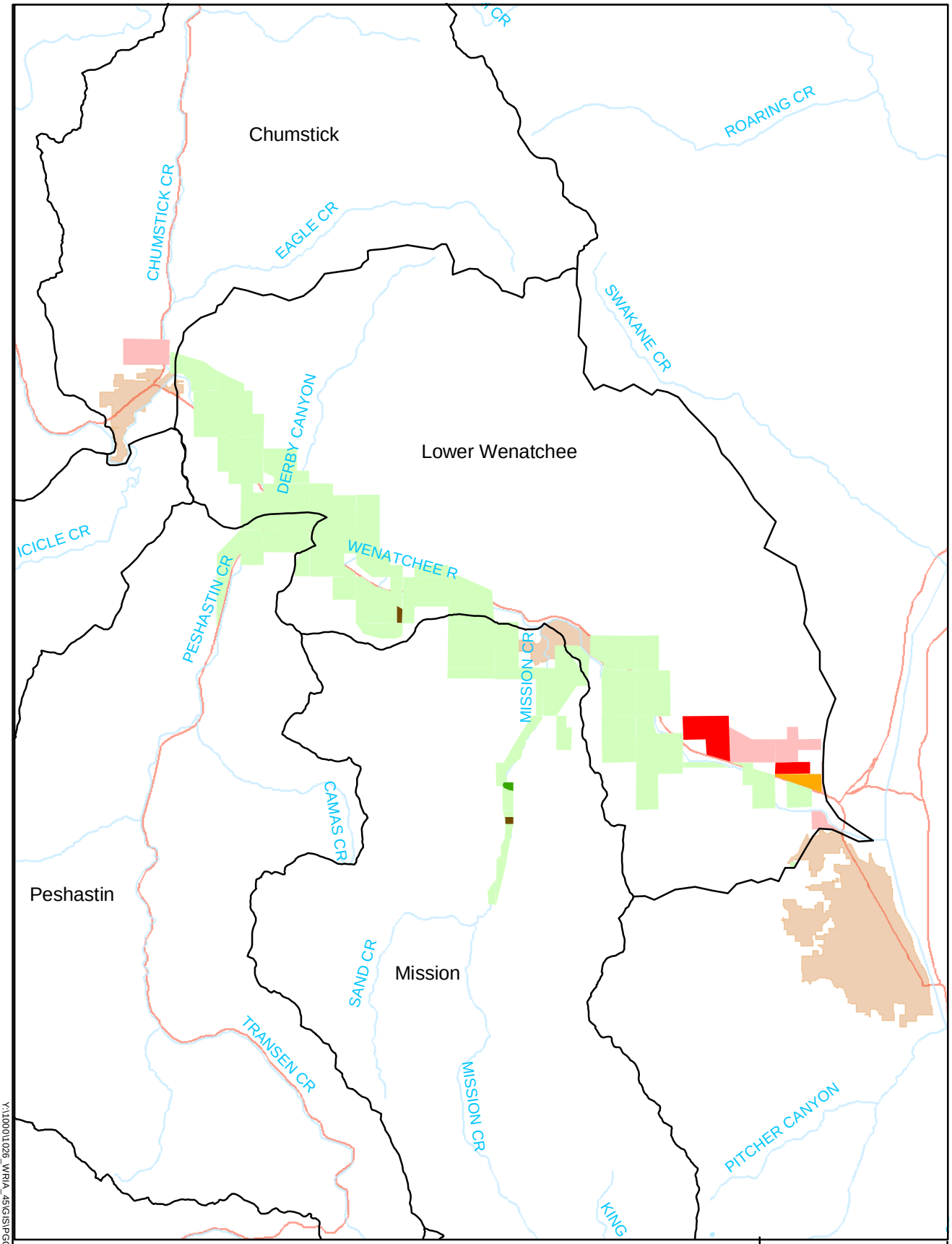
Y:\10001\0226_WRIA_45\GIS\PGGwork\mxd\map4_ccd.mxd, 6/3/03



Map 8
Water Rights Permits and Certificates
WRIA 45 Watershed Assessment


Chiwawa
(23,119 af)
White
(547 af)
Little
Wenatchee
(4 af)
Lake Wenatchee
(981af)
Nason
(2,196 af)
Chiwaukum
(60 af)
Upper
Wenatchee
(1,229 af)
Chumstick
(5,122 af)
Icicle
(38,257 af)
Lower Wenatchee
(25,397 af)
Peshastin
(8,132 af)
Mission
(11,741 af)
Surfacewater
Groundwater
Note:
Each pie chart shows the proportion of groundwater and surfacewater permits, claims, and certificates to the total volume (acre-feet) by sub-basin.
Sub-Basins
Highways
Rivers
Lakes
Cities
0
8
Miles
Map 9
Water Rights Permits, Claims, and Certificates
WRIA 45 Watershed Assessment
MONTGOMERY WATER GROUP, INC.
Water Resources Engineering
Y:\1000\1026_WRIA_45\GIS\PGGwork\mxd\map6_waterrightspcc.mxd, 6/3/03



Crops

- Alfalfa
- Apples
- Cherries
- Christmas Trees
- Peaches
- Pears

Sub-Basins
Highways
Rivers
Lakes
Cities

Source: Crop data from Washington Department of Agriculture.

0 1.5 3 Miles

Map 10
Crop Data for Wenatchee Watershed
WRIA 45 Watershed Assessment

MONTGOMERY WATER GROUP, INC.
Water Resources Engineering

Y:\1000\01026_WRIA_45\GIS\PGGwork\mxd\map9_crops.mxd, 6/3/03