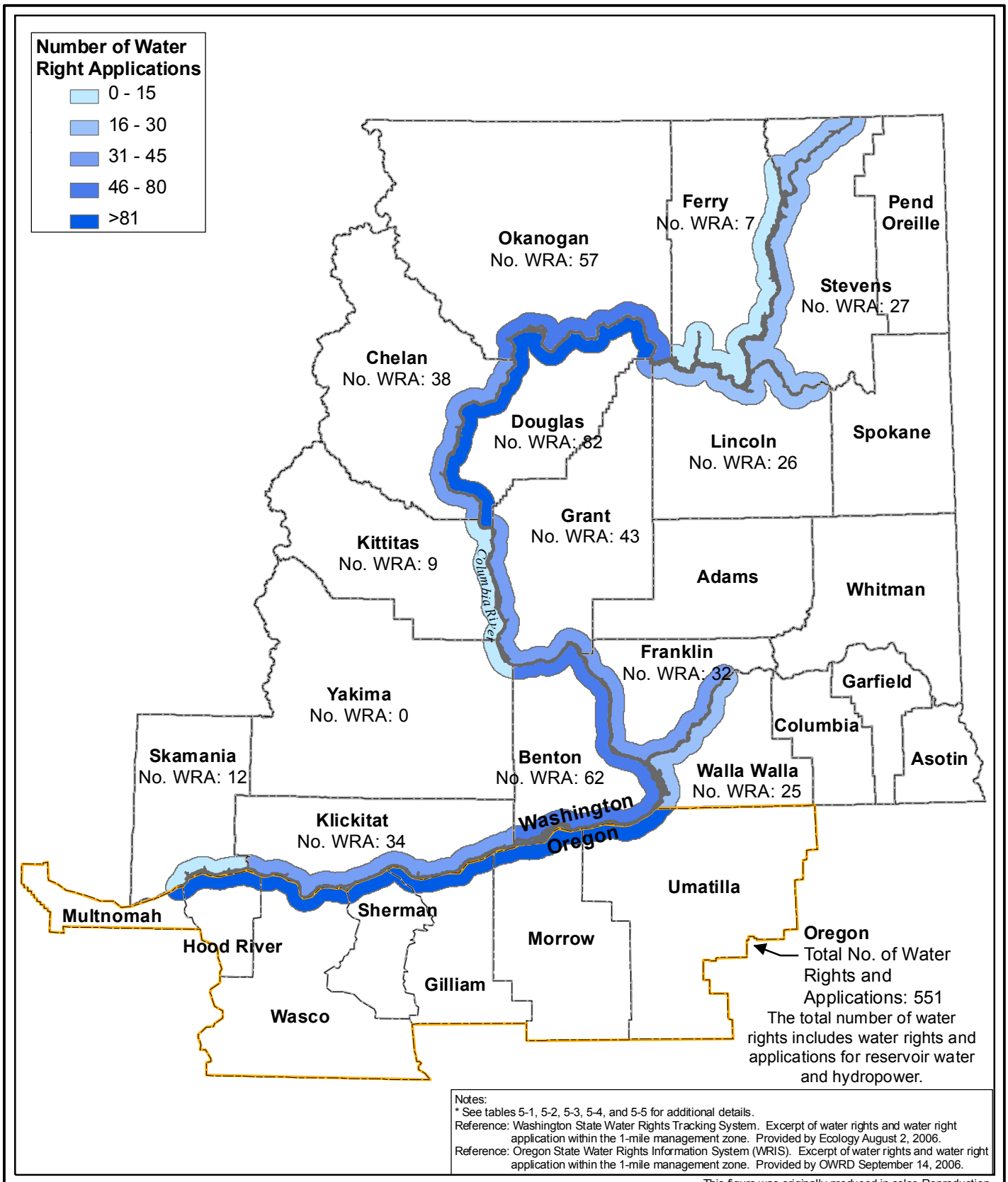

Notes:
* See tables 5-1, 5-2, 5-3, 5-4, and 5-5 for additional details.
Reference: Washington State Water Rights Tracking System. Excerpt of water rights and water right application within the 1-mile management zone. Provided by Ecology August 2, 2006.
Reference: Oregon State Water Rights Information System (WRIS). Excerpt of water rights and water right application within the 1-mile management zone. Provided by OWRD September 14, 2006.

This figure was originally produced in color. Reproduction in black and white may result in a loss of information.

LEGEND
- River
- County Boundary

AFY: Acre-Feet per Year
WRA: Water Right Applications

25 0 25
Scale in Miles

Map Projection:
UTM Zone 11, NAD 83

Source: Ecology, OWRD

N

FIGURE **5-1**
WATER RIGHT APPLICATIONS IN THE MANAGEMENT ZONE
WSDOE/COLUMBIA BASIN WATER SPPLY/WA

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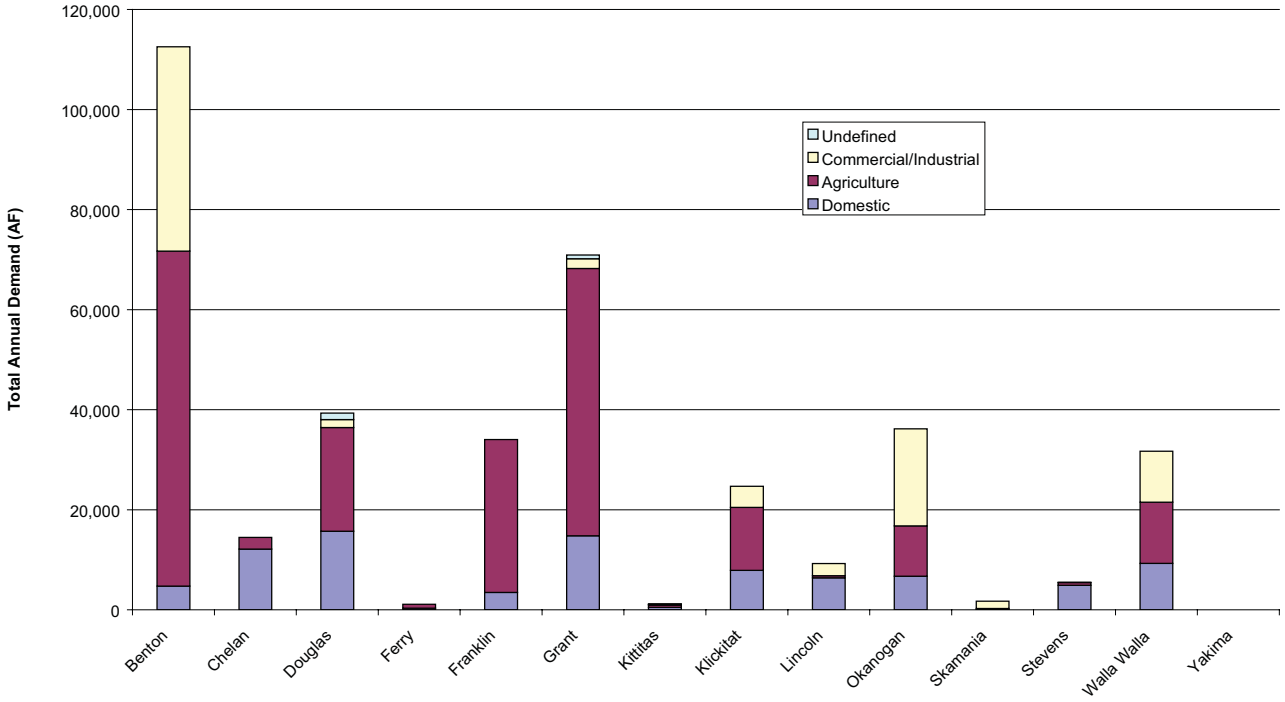
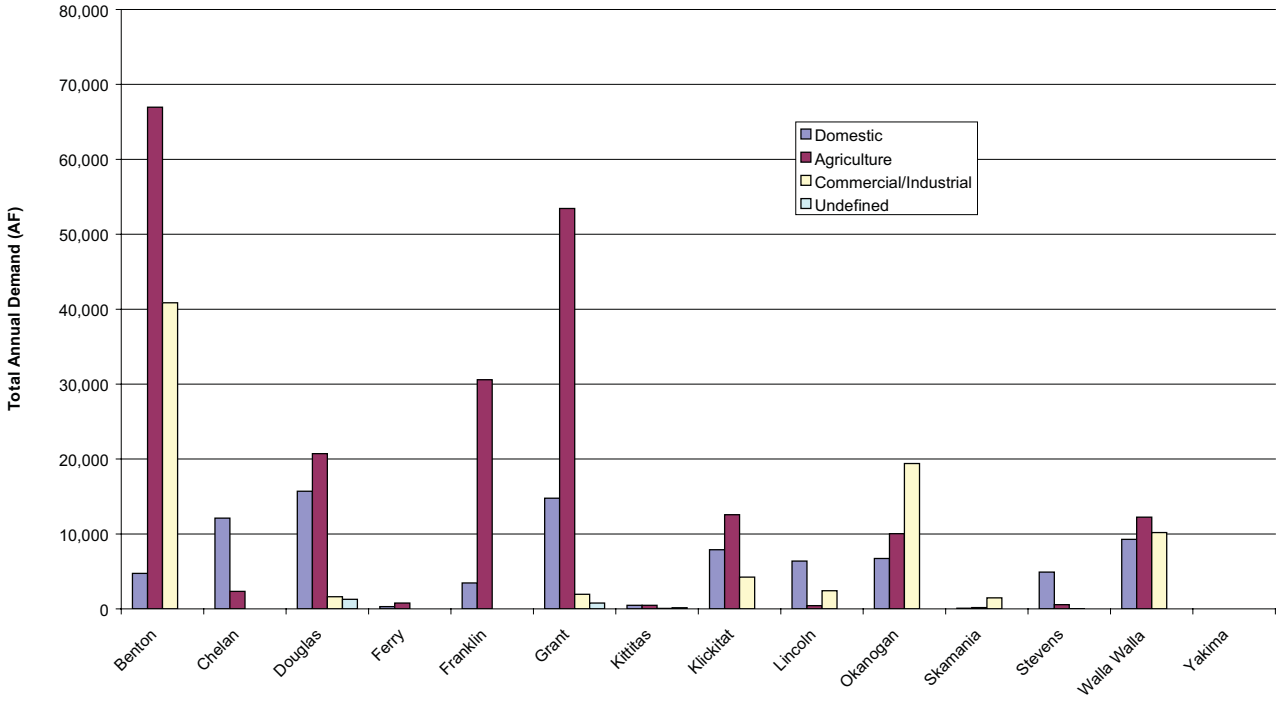


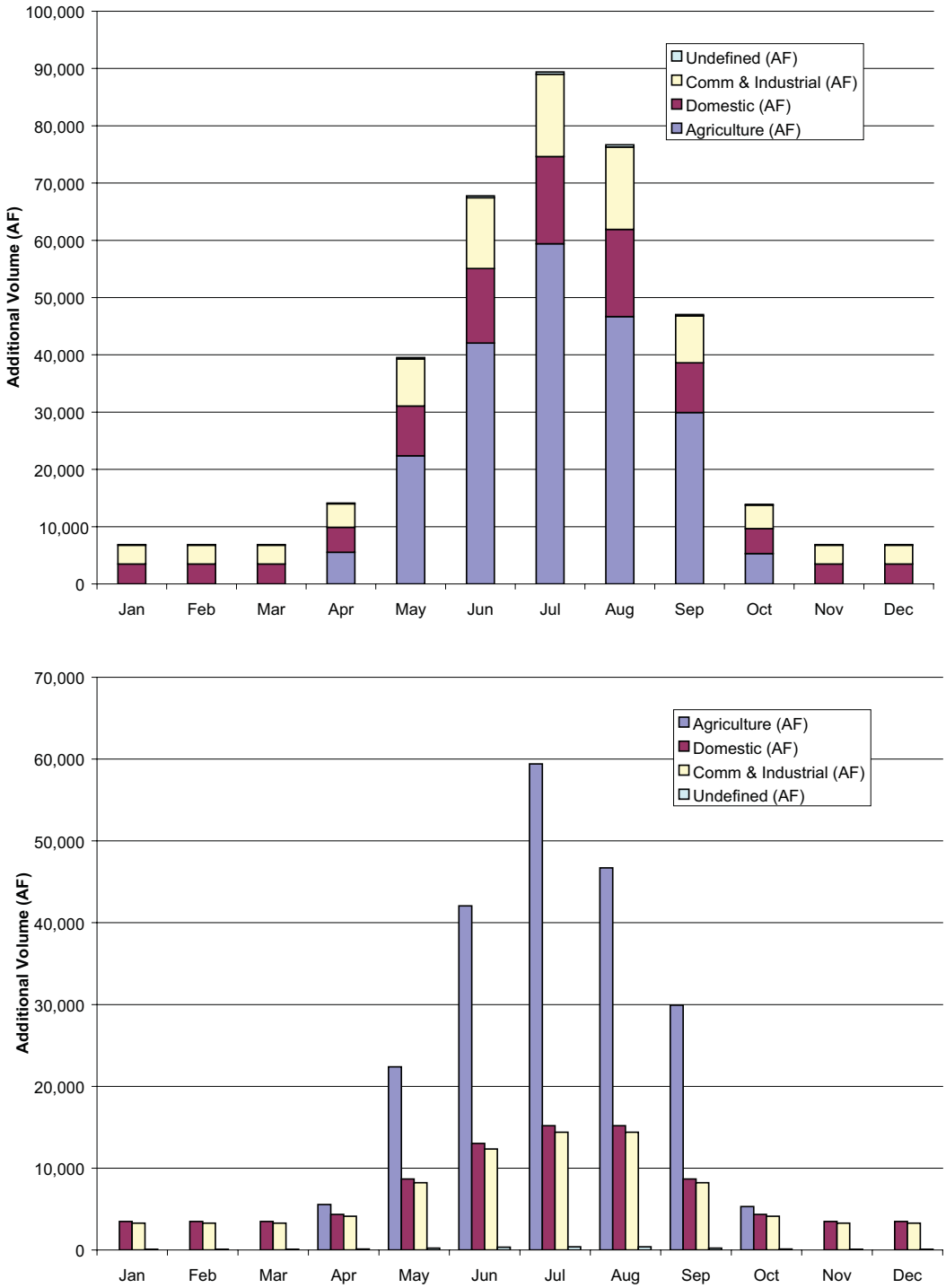


NOTES:
1. Applications are within the one-mile Management Zone only.
2. Monthly demand based on a typical profile(figure 4-7-) described in Chapter 4.
3. See text for assumptions.

FIGURE **5-2**

TOTAL DEMAND BASED ON WATER RIGHT APPLICATIONS

WSDOE/COLUMBIA BASIN WATER SUPPLY/WA

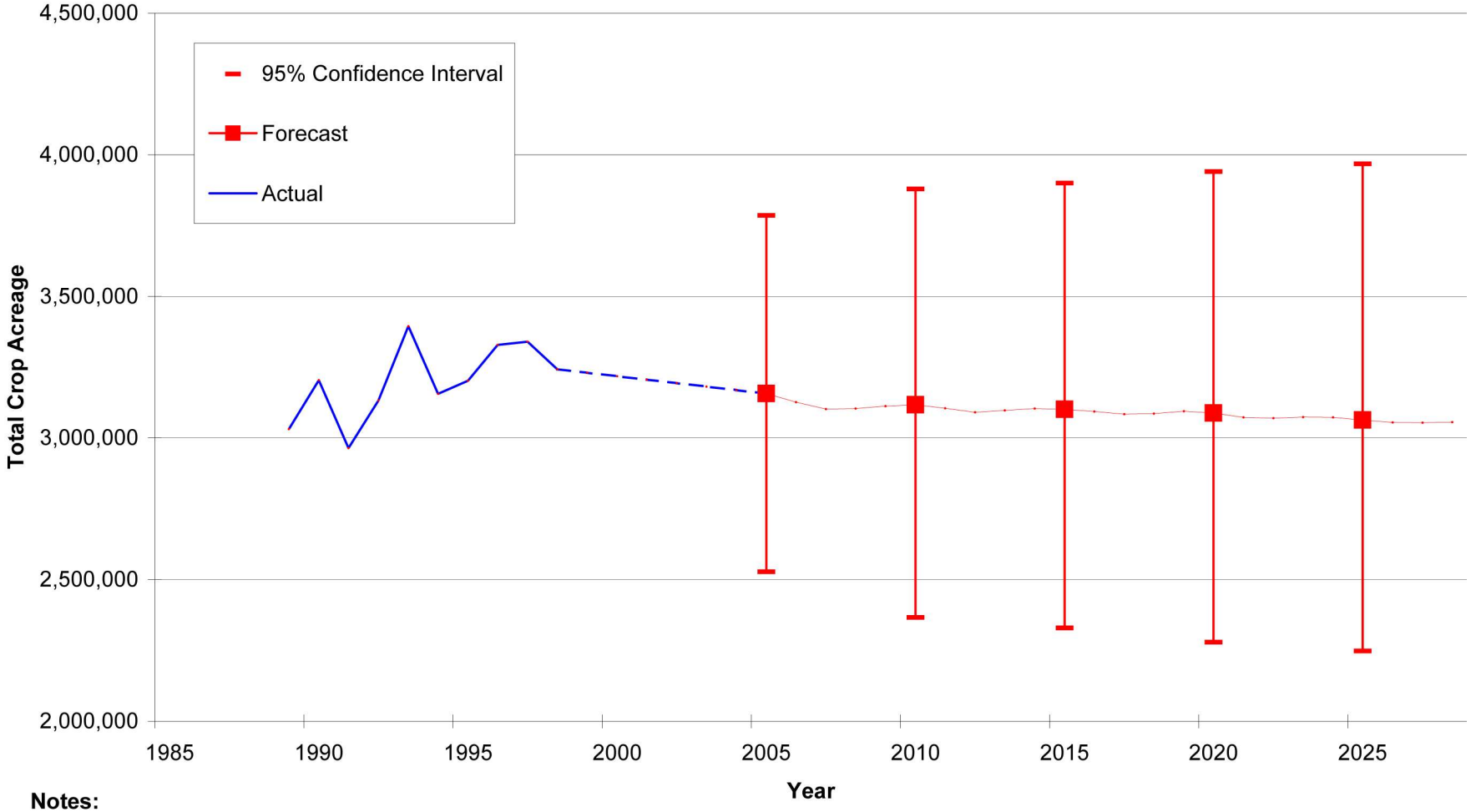


NOTES:
1. Applications are within the one-mile Management Zone only.
2. Monthly demand based on a typical profile(figure 4-7-) described in Chapter 4.
3. See text for assumptions.

FIGURE **5-3**

MONTHLY WATER DEMAND BASED ON WATER RIGHT APPLICATIONS

WSDOE/COLUMBIA BASIN WATER SUPPLY/WA



Notes:
Adapted from WSU (2006) Figure 5 X-13
Includes non-irrigated crops.

FIGURE **5-4**
TOTAL CROP ACREAGE FORECAST
WSDOE/COLUMBIA BASIN WATER SUPPLY/WA

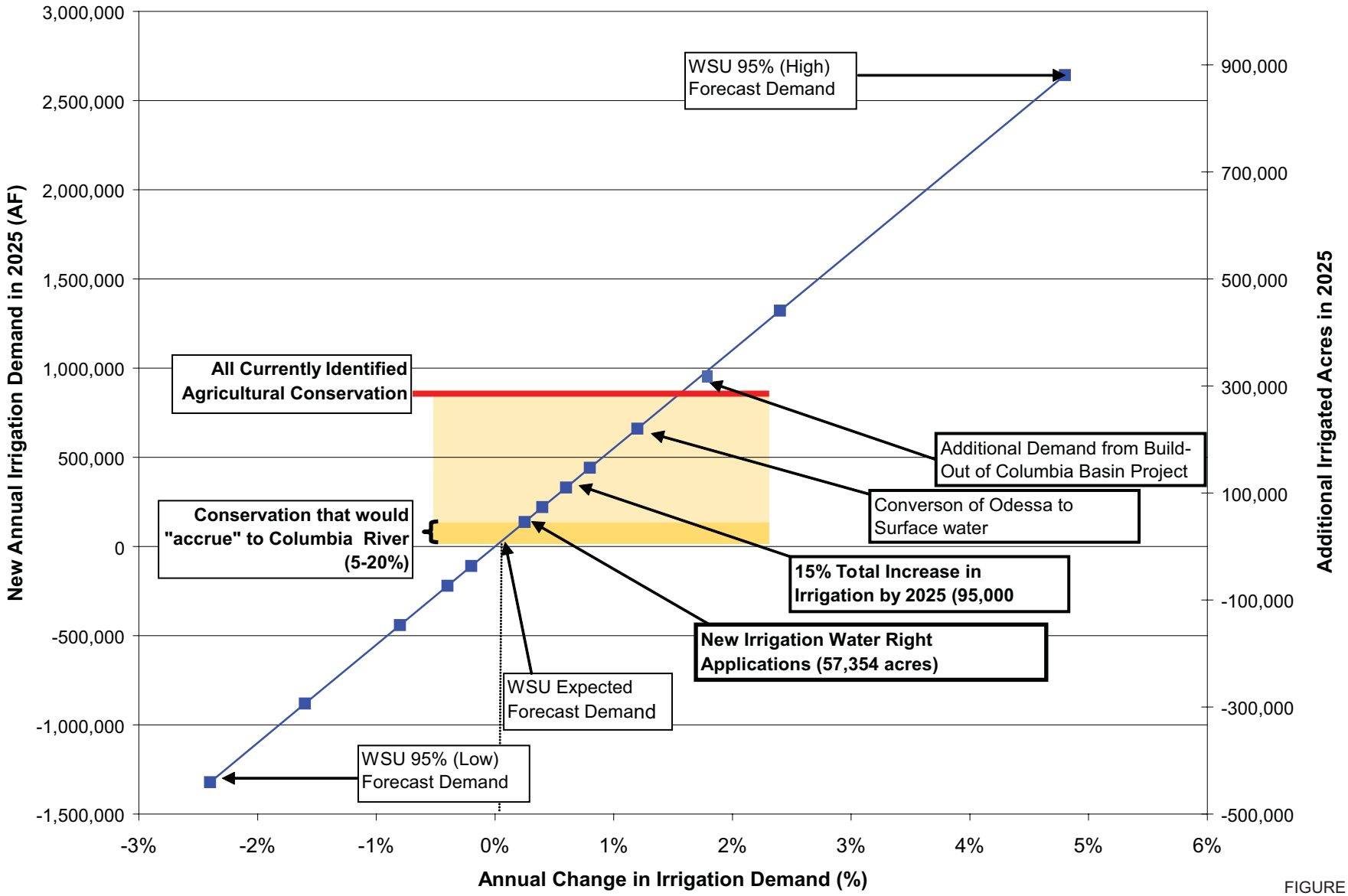
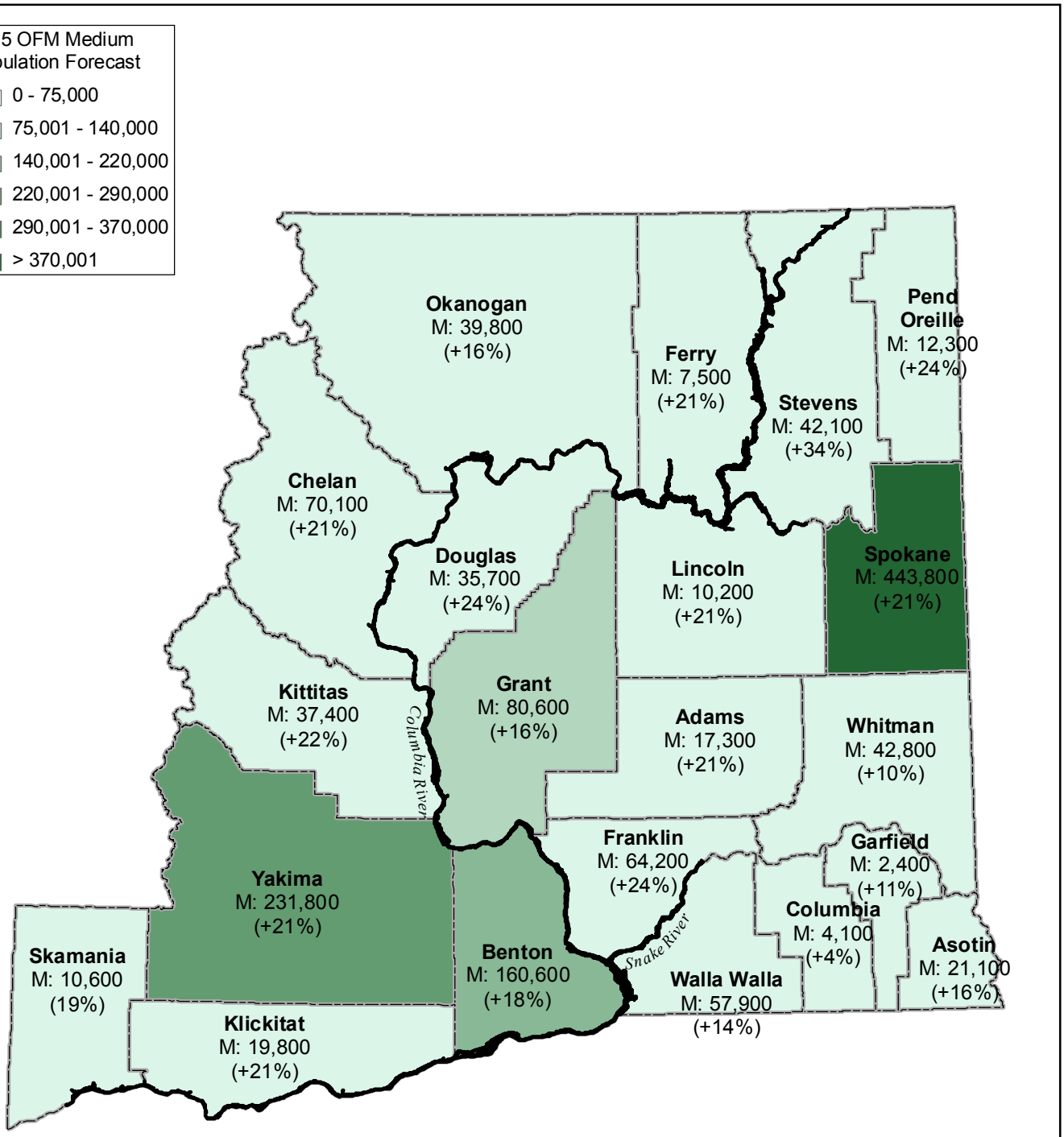


FIGURE **5-5**

RANGE OF POTENTIAL FUTURE IRRIGATION WATER DEMAND IN 2025

WSDOE/COLUMBIA BASIN WATER SUPPLY/WA



Notes:
* Percent increase is the percent increase for the moderate population forecast from 2005 to 2025.
Reference: Office of Financial Management, Forecasting Division. File: gmacountychange.xls
From: www.ofm.wa.gov (accessed 9/06) Modified June 29, 2006.
Reference: Office of Financial Management, Forecasting Division. File: popden.xls
From: www.ofm.wa.gov (accessed 9/06) Modified July 05, 2006.

LEGEND

River

County Boundary

M : Medium Projection

30 0 30
Scale in Miles

Map Projection:
UTM Zone 11N, NAD 83

Source: OFM

N

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FIGURE **5-6**

2025 OFM POPULATION FORECAST

WSDOE/COLUMBIA BASIN WATER SPPLY/WA

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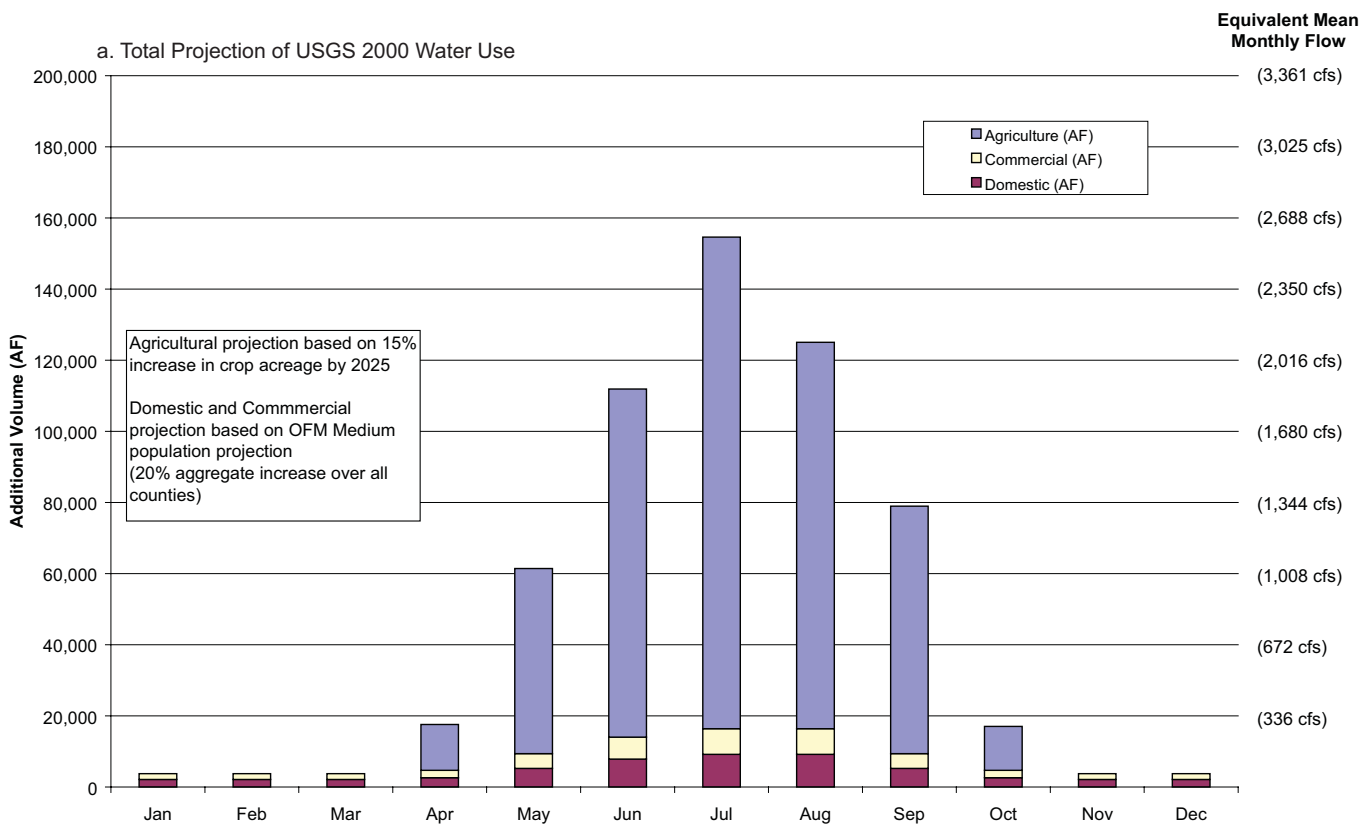

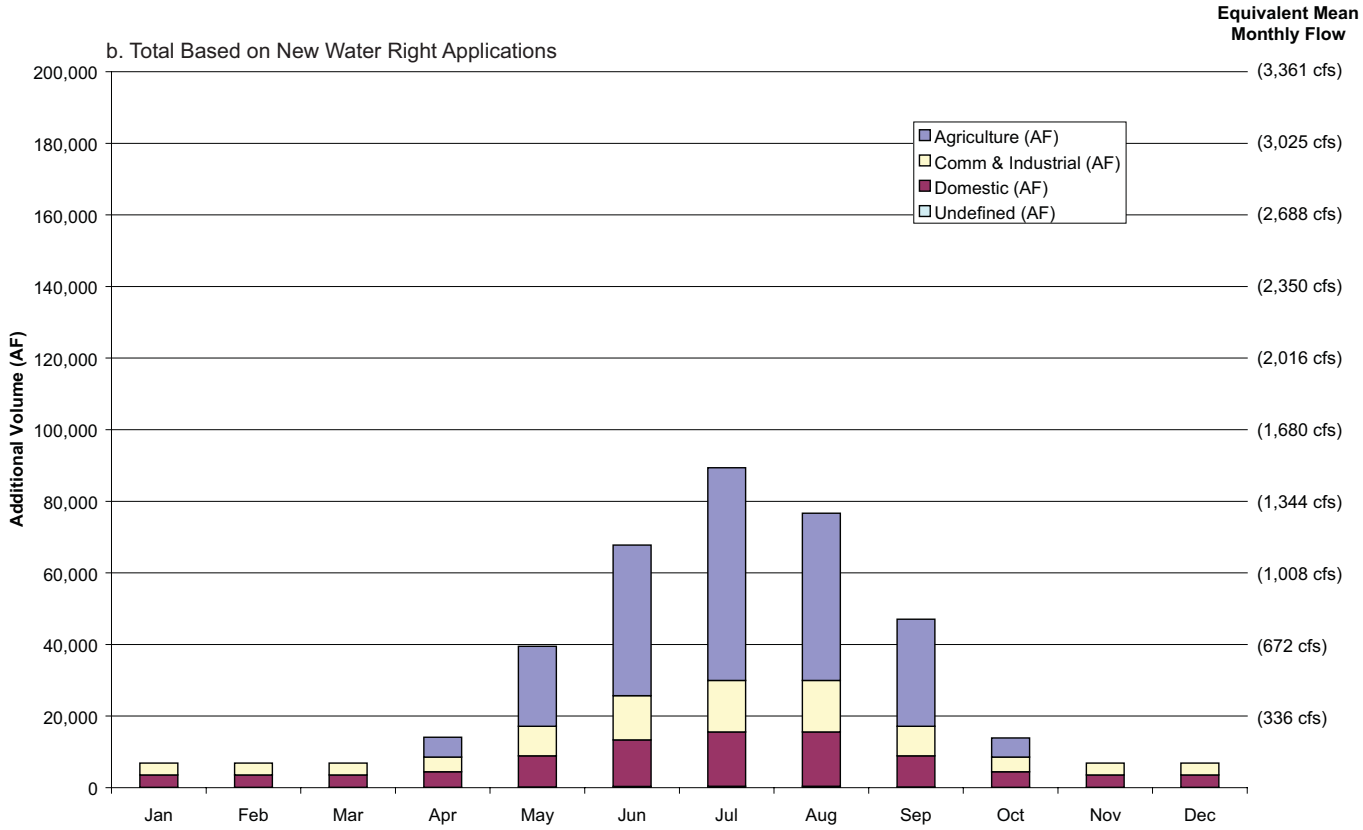

NOTES:
1. Includes only total demand for counties adjacent to the Columbia River one-mile Management Zone.
2. Does not compensate for return flows.

FIGURE **5-7**

PROJECTED TOTAL WATER USE INCREASE (2000-2025)

WSDOE/COLUMBIA BASIN WATER SUPPLY/WA