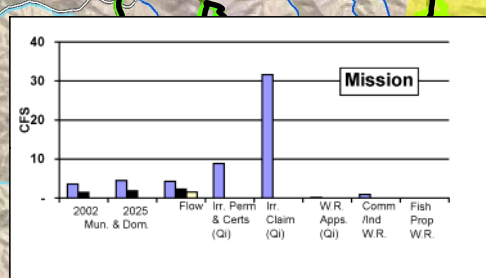
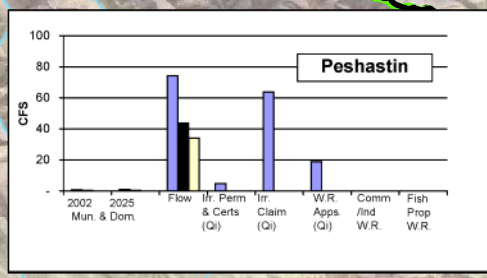
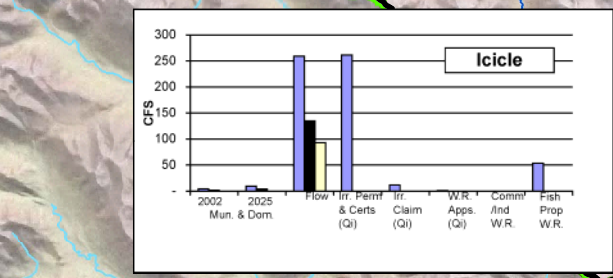
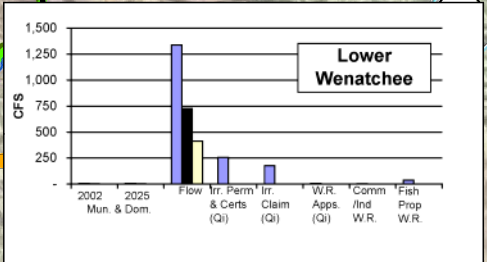
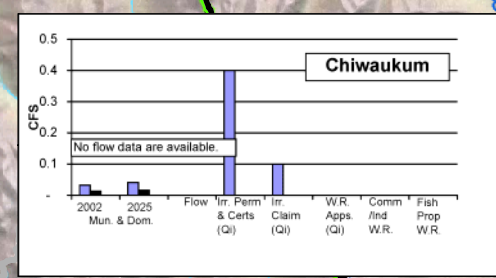
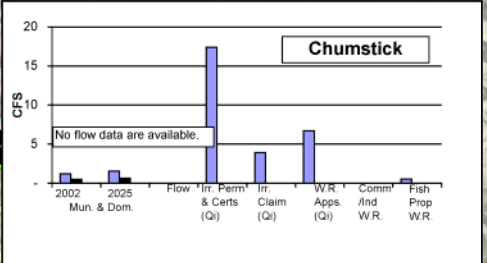
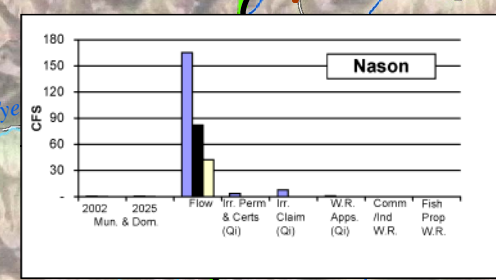
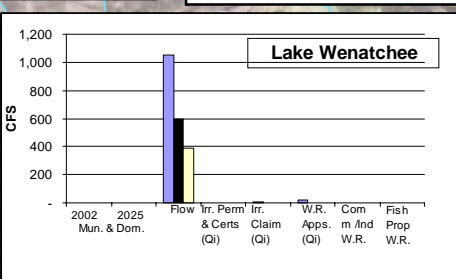
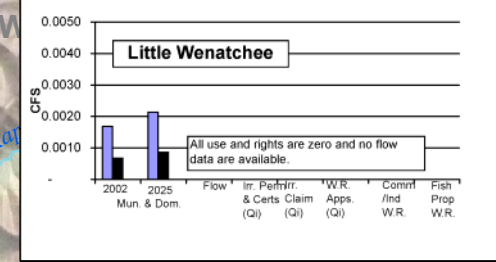
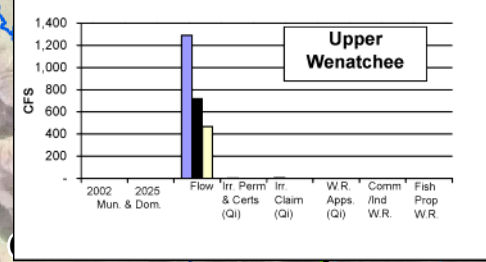
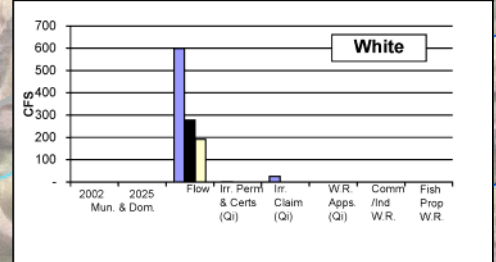


**NOTES:**

- Mun. & Dom: Municipal and Domestic Demand is reported as max day demand (MDD, light color) and average day demand (ADD, dark color) for all water supply groups (group A, group B, exempt, etc.) for both 2002 and 2025. MDD is the day of the year having the highest water demand, this would generally occur during the summer months. ADD is the average of annual daily demands.
- Flow: Flow data are the range of flows that have historically occurred during the month of September. Low Flow presents the 90% exceedance flow for September; Average Flow presents the 50% exceedance flow for September, and High Flow represents the 10% exceedance flow for September. An exceedance flow represents the flow that has a given percent chance of being equaled or exceeded in any one year. For example, the 90% exceedance flow for Lower Wenatchee is ~415 cfs, September flow will likely be greater than this in 9 out of 10 years.
- Irr. Perm & Certs (Qi): Irrigation Permits and Certificates obtained from the Technical Assessment (MWG, 2003). Instantaneous Water Rights (Qi) were selected when the first purpose of use is for Irrigation.
- Irrigation Claims (Qi): Irrigation Claims obtained from the Technical Assessment (MWG, 2003). Instantaneous Water Rights (Qi) were selected when the first purpose of use is for Irrigation.
- W.R. Apps. (Qi): Water Right Applications instantaneous quantities obtained from the Technical Assessment (MWG, 2003). Includes applications for all purposes of use.
- CIR: Crop Irrigation Requirement represents the estimated consumptive irrigation use of crops in WRIA 45. Reported for total watershed only (MWG, 2003).
- Irrigation permits, certificates and claims may be duplicative and indicate higher than actual irrigation use.

The comparison shows water use (groundwater and surface water use as represented by water rights and municipal water use records) and surface water flows. Groundwater storage has not been assessed as part of this snapshot water budget. Water use estimates assume that all irrigation permits, certificates and claims are put to full use (although some claims may be duplicative), this may be conservative. Flow estimates are representative of the range of flows occurring in the sub-watershed in September, a "low flow" month. This results in a water budget that is representative of the range of natural flow and municipal and domestic water use conditions that could occur in the summer months. However other water uses (irrigation, commercial/industrial, and fish uses) may be conservative.



**LEGEND**

- WRIA 45 Boundary
- Sub-Watershed Boundary
- WRIA Boundary
- Census County Division Boundary
- Future Water Service Area
- Major Road
- Waterbody
- Existing Water Service Area
- Urban Area
- Group A Well
- Group B Well

0 5  
Scale in Miles

Map Projection:  
Washington State Plane,  
North Zone, NAD 83, Feet

Source: Chelan County Assessor (6/6/05),  
USGS, WAGDA, WSDOE, WSDOT,  
Golder Associates, WDOH (2003, 2005)

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

**WRIA 45 Water Budget**  
Chelan/WRIA 45 Watershed Plan/WA

Drawn: KBD | Revision: 9 | Date: Apr. 26, 2006 | Figure: 3-2