

5B.19 Kent County Water Supply Plan

Table 5B.19-1 lists each water user group in Kent County and their corresponding surplus or shortage in years 2030 and 2050. For each water user group with a projected shortage, a water supply plan has been developed and is presented in the following subsections. Water supply plans are also presented for some entities that need pumping/conveyance facilities to utilize their existing water resources, or to become a regional provider. In addition, long-term considerations are provided for some entities with projected surpluses. Kent County, through its County Commissioner’s Court, has submitted a series of resolutions supporting a variety of regional water supply planning and development initiatives. The specific resolutions are included at the end of Volume 1. The recommended plans described below either include specific proposed projects mentioned in the resolutions, or are generally consistent with them.

**Table 5B.19-1.
Kent County Surplus/(Shortage)**

<i>Water User Group</i>	<i>Surplus/(Shortage)¹</i>		<i>Comment</i>
	<i>2030 (acft/yr)</i>	<i>2050 (acft/yr)</i>	
City of Jayton	175	201	Projected surplus
County-Other	119	126	Projected surplus
Manufacturing	0	0	No demand or supply
Steam-Electric	0	0	No demand or supply
Mining	2,483	2,571	Projected surplus
Irrigation	1,824	1,856	Projected surplus
Livestock	0	0	Supply equals demand

¹ From Tables 4-37 and 4-38, Section 4 – Comparison of Water Demands with Water Supplies to Determine Needs.

5B.19.1 The City of Jayton

5B.19.1.1 Description of Supply

Water supply for the City of Jayton is groundwater from Seymour and Dockum Aquifers. No current or future shortages are projected. Therefore, no change in water supply uses are projected or recommended.

5B.19.1.2 Water Supply Plan

For the long-term period beyond 2030, the following water management strategies are recommended; based on recommendations from local officials:

- New reservoir on Duck Creek (though no study has been performed on the viability of this project)

5B.19.2 County-Other Category

The water supply entities for County-Other show a projected surplus and no changes in water supply are recommended.

5B.19.3 Manufacturing

No Manufacturing demand exists or is projected for the county.

5B.19.4 Steam-Electric

No Steam-Electric demand exists or is projected for the county.

5B.19.5 Mining

The water supply entities for Mining show a projected surplus and no changes in water supply are recommended.

5B.19.6 Irrigation

No shortages are projected for Kent County Irrigation and no changes in water supply are recommended.

5B.19.7 Livestock

No shortages are projected for Kent County Livestock and no changes in water supply are recommended.