

4C.38.10 Palo Pinto County Municipal Water District No. 1

4C.38.10.1 Description of Supply

Palo Pinto County MWD No. 1 obtains its water supply from Lake Palo Pinto. Based on the available surface water supply, Palo Pinto County MWD No. 1 is projected to have a surplus of 396 acft/yr in the year 2010 and a shortage of 1,821 acft/yr in the year 2060.

4C.38.10.2 Water Supply Plan

Working within the planning criteria established by the Brazos G RWPG and TWDB, the following water supply plan is recommended to meet the projected shortage of the Palo Pinto County MWD No. 1:

- **Turkey Peak Reservoir (Volume II, Section 4B.12.5)**
This project would restore permitted storage in the Lake Palo Pinto System, thus restoring existing permitted yield.
- **Alternative: Lake Palo Pinto Off-Channel Reservoir (Volume II, Section 4B.13.6)**

4C.38.10.3 Costs

Costs of the Recommended Plan for the Palo Pinto County MWD No. 1.

- a. Turkey Peak Reservoir:
 - Cost Source: Volume II, Section 4B.12.5
 - Date to be Implemented: before 2020
 - Total Project Cost: \$46,150,000
 - Annual Cost: \$3,401,000

**Table 4C.38-8.
Recommended Plan Costs by Decade for the Palo Pinto County MWD No. 1**

<i>Plan Element</i>	<i>2010</i>	<i>2020</i>	<i>2030</i>	<i>2040</i>	<i>2050</i>	<i>2060</i>
Projected Surplus/(Shortage) (acft/yr)	396	(59)	(492)	(879)	(1,328)	(1,821)
Turkey Peak Reservoir						
Supply From Plan Element (acft/yr)	—	8,648	8,648	8,648	8,648	8,648
Annual Cost (million \$/yr)	—	\$3.401	\$3.401	\$3.401	\$3.401	\$3.401
Unit Cost (\$/acft)	—	\$393	\$393	\$393	\$393	\$393