

## **Agenda Item 5b. Subordination Strategy Results**

This agenda item includes a review of the draft water supplies from the *Subordination of Downstream Water Rights* to be presented to the Region F RWPG. *Subordination of Downstream Water Rights* is a major water management strategy for surface water users in the 2026 Region F Water Plan. According to regional water planning rules and guidelines set by the Texas legislature, existing surface water supplies must be evaluated using WAM Run 3, which uses strict priority order. This causes most surface water supplies in Region F to show no availability because under WAM Run 3 the inflows must be passed to senior downstream water right holders.

The *Subordination of Downstream Water Rights* strategy evaluates yields of Region F Colorado Basin supplies when the lower basin senior water rights are subordinated to the upper basin (Region F) rights. This strategy adds existing water supply availability that otherwise would not exist under WAM Run 3. This agenda item will present the results for the subordination analysis for all major reservoirs in Region F. The supplies from this strategy will be used to reassess water needs for recipients of the subordinated water, which is discussed in Agenda Item 5c.

Attachment:

Table Comparing Yields of Each Major Reservoir with and without Subordination

**Table 1: Comparing Yields of Each Major Reservoir with and without Subordination**

Reservoir Name	2030 Supply WAM Run 3	2030 Supply Subordination	2080 Supply WAM Run 3	2080 Supply Subordination
Lake Colorado City	0	1,760	0	1,480
Champion Creek Reservoir	0	1,164	0	1,080
<i>Colorado City/Champion System</i>	0	2,924	0	2,560
Lake Coleman	0	1,900	0	1,638
Hords Creek Lake	0	190	0	130
<i>Coleman System</i>	0	2,090	0	1,768
O. C. Fisher Lake <sup>a</sup>	0	0	0	0
Twin Buttes Reservoir <sup>a</sup>	0	1,865	0	1,530
Lake Nasworthy	0	180	0	135
<i>San Angelo System</i>	0	2,045	0	1,665
Lake J. B. Thomas (CRMWD System)	0	3,710	0	3,591
E.V. Spence Reservoir (CRMWD System)	0	21,900	0	21,614
O.H. Ivie Reservoir (CRMWD System)	13,277	15,728	11,685	13,851
O.H. Ivie Reservoir (Non-System)	15,263	17,672	12,855	15,824
<i>O.H. Ivie Reservoir Total</i>	28,540	33,400	24,540	29,675
<i>CRMWD System Total (Thomas, Spence &amp; Ivie)</i>	13,277	41,338	11,685	39,056
Lake Ballinger / Lake Moonen	0	820	0	790
Lake Balmorhea	19,600	19,600	19,600	19,600
Brady Creek Reservoir	0	1,855	0	1,680
Lake Brownwood	15,550	25,800	14,900	24,815
Mountain Creek Reservoir	0	86	0	86
Oak Creek Reservoir	0	1,055	0	850
Red Bluff Reservoir	16,180	16,180	16,040	16,040
Lake Winters/ New Lake Winters	0	265	0	258
Kimble County ROR	902	1,179	902	1,179
Menard County ROR	2,034	4,007	2,034	4,007
<b>TOTAL</b>	<b>82,806</b>	<b>136,916</b>	<b>78,016</b>	<b>130,178</b>
<b>Increase with Subordination</b>		<b>54,110</b>		<b>52,162</b>