

A large, dark silhouette of an oil pumpjack is the central focus, set against a dramatic, cloudy sky. The pumpjack's long, angled arm extends from the top left towards the center. Below it, the complex mechanical structure of the wellhead is visible, including a vertical support frame and a large, rounded component. The overall scene is in low light, creating a stark contrast between the dark machinery and the lighter, textured clouds.

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# 2021 REGION F WATER PLAN

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INITIALLY PREPARED PLAN . VOLUME I. MAIN REPORT.



# 2021 REGION F WATER PLAN INITIALLY PREPARED PLAN

MARCH 2020

Prepared for:

**REGION F WATER PLANNING GROUP**

DRAFT
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**2021 REGION F INITIALLY PREPARED PLAN. VOLUME II. APPENDICES.**

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<b>Appendix B</b>	Water Availability Model Analyses of Region F Water Supplies
<b>Appendix C</b>	Water Management Strategy Evaluation Technical Memorandums
<b>Appendix D</b>	Cost Estimates
<b>Appendix E</b>	Strategy Evaluation Matrix and Quantified Environmental Impact Matrix
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<b>Appendix G</b>	Drought Triggers and Actions
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**2021 REGION F INITIALLY PREPARED PLAN. LIST OF ACROYNMS.**

<b>Acronym</b>	<b>Name</b>	<b>Meaning</b>
BCWID	Brown County Water Improvement District Number One	Owns and operates Lake Brownwood. Wholesale water provider in Brown and Coleman Counties.
CRMWD	Colorado River Municipal Water District	Water district that owns and operates 3 major reservoirs and several well fields. CRMWD is the largest water supplier in Region F and is the political subdivision for the Region F RWPG.
DFC	Desired Future Condition	Criteria for which is used to define the amount of available groundwater from an aquifer.
GAM	Groundwater Availability Model	Numerical groundwater flow model. GAMs are used to determine the aquifer response to pumping scenarios. These are the preferred models to assess groundwater availability.
GCD	Groundwater Conservation District	Generic term for all or individual state recognized Districts that oversee the groundwater resources within a specified political boundary.
GMA	Groundwater Management Area	Sixteen GMAs in Texas. Tasked by the Legislature to define the desired future conditions for major and minor aquifers within the GMA.
MAG	Modeled Available Groundwater	The MAG is the amount of groundwater that can be permitted by a GCD on an annual basis. It is determined by the TWDB based on the DFC approved by the GMA. Once the MAG is established, this value must be used as the available groundwater in regional water planning.
PGMA	Priority Groundwater Management Area	A PGMA is an area designated and delineated by TCEQ that is experiencing or expected to experience, critical groundwater problems. If a study area is designated as a PGMA, TCEQ will make a specific recommendation on groundwater conservation district creation.
RWPG	Regional Water Planning Group	The generic term for the planning groups that oversee the regional water plan development in each respective region in the State of Texas
SB1	Senate Bill One	Legislation passed by the 75th Texas Legislature that is the basis for the current regional water planning process.
TCEQ	Texas Commission on Environmental Quality	Agency charged with oversight of Texas surface water rights and WAM program.
TMDL	Total Maximum Daily Load	A Total Maximum Daily Load (TMDL) is a regulatory term in the U.S. Clean Water Act, describing a plan for restoring impaired waters that identifies the maximum amount of a pollutant that a body of water can receive while still meeting water quality standards.
TWDB	Texas Water Development Board	Texas Agency charged with oversight of regional water plan development and oversight of GCDs
UCRA	Upper Colorado River Authority	Owner of water rights in O.C. Fisher Reservoir and Mountain Creek Lake. Designated WWP.

<b>Acronym</b>	<b>Name</b>	<b>Meaning</b>
WAM	Water Availability Model	Computer model of a river watershed that evaluates surface water availability based on Texas water rights.
WMS	Water Management Strategy	Strategies available to RWPG to meet water needs identified in the regional water plan.
WUG	Water User Group	A group that uses water. Six major types of WUGs: municipal, manufacturing, mining, steam electric power, irrigation and livestock.
WWP	Wholesale Water Provider	Entity that has or is expected to have contracts to sell 1,000 ac-ft./yr. or more of wholesale water.