



Drought Contingency Plan Update



Brazos River
Authority

Drought Contingency Plan

**5-yr updates required by Texas
Admin. Code, Title 30, Chapter 288**

Due May 1, 2019

Plan to be submitted to TCEQ

**Coordinated through the Regional
Water Planning Process**



Drought Contingency Plan Update Process

- **Public Comment Period – March 22 to April 22**
 - Draft posted on BRA Website (March 22nd)
<https://www.brazos.org/DCP>
 - Letter notification of the proposed update
 - Posted within the Secretary of State's Office – Texas Register
- **Address Comments**
- **Present to BOD for approval – April 29**
- **Submit Final Plan by May 1, 2019**



Drought Contingency Plan – Summary of Proposed Changes

- **Establish new trigger levels**
- **Incorporate the East Williamson County Regional Water System DCP**
- **Referenced seasonal forecasts from the TWDB as a drought monitoring tool**
- **Clarification of pro-rata curtailment language**



Trigger Levels

- **Maintaining 4 trigger levels in the updated Plan:**
 - **Stage 1 Drought Watch**
 - Considers Palmer Hydrological Drought Index & lake level
 - **Stage 2 Drought Warning**
 - Halfway between Stage 1 and Stage 3 lake triggers
 - **Stage 3 Drought Emergency**
 - Greater of 40% capacity or one year supply remaining
 - **Stage 4 Drought Curtailment**
 - Greater of 20% capacity or six month's supply remaining



Trigger Level Comparison

Reservoir/Reservoir System	Drought Contingency Plan - Drought Trigger Comparison							
	Stage 1		Stage 2		Stage 3		Stage 4	
	Proposed	Current	Proposed	Current	Proposed	Current	Proposed	Current
Lake Aquilla	533.6	533.6	530.5	530.1	526.8	525.8	523.7	523.1
Lake Belton	588.1	587.2	578.7	577.9	566.3	565.8	550.2	549.4
Lake Granger	501.8	501.8	498.4	498.3	494.1	493.7	490.0	489.7
Lake Limestone	357.6	357.5	354.8	354.7	351.5	351.4	346.9	346.2
Lake Proctor	1,158.2	1,158.2	1,156.1	1,155.7	1,153.3	1,152.3	1,150.1	1,149.8
Lake Somerville	234.9	234.8	231.8	231.6	228.2	227.8	223.9	223.9
Lake Possum Kingdom, Granbury, Whitney	564,737	561,290	427,173	420,968	289,609	280,645	144,804	140,323
Lake Georgetown, Stillhouse	222,398	220,503	164,789	162,752	107,180	105,001	53,590	52,501
Authority System	1,524,177	1,514,536	1,152,423	1,140,639	780,668	766,741	419,031	413,416



Incorporation of the East Williamson County Regional Water System

- **Incorporated criteria specific to the EWCRWS for initiation and termination of Drought Stages**
- **EWCRWS triggers based on consumption and production capacity**
- **Going forward BRA will only maintain one DCP**



TWDB Seasonal Rainfall Forecast

- **BRA worked with the TWDB on a grant funded project to develop forecasted May-June-July rainfall**
- **Cited in DCP as an information source only**
- **Issued every two weeks from January through end – April (last issued on March 18th)**

<https://waterdatafortexas.org/drought/rainfall-forecast>