# Water Management Plan Update

## Participant Meeting

## June 25, 2025

ENERGY • WATER • COMMUNITY SERVICES

# Agenda

- Review comments received after April 23 participant meeting
- Recap 2020 WMP
- Present preliminary WMP update
- Discussion and questions

# Response to Comments

# Response to Comments

- **Preparing written response for comments**
  - Will post on www.lcra.org
- **Will discuss comments regarding information presented at the April 23 meeting**
- **Will continue to consider participant input throughout the update process**

# Comments Received

- **Received from one commenter – CTWC**
- **Numerous topics including:**
  - Naturalized flows
  - Evaporation
  - Modeling

# Comments Received – Naturalized Flows

- **CTWC comments**
  - Extend hydrology through 2024 and update naturalized flows annually
  - Adjust naturalized flows based on rainfall runoff “capture rate”

- **LCRA responses**
  - *Data for 2024 hydrology is not currently available; will proceed with hydrology through 2023*
  - *The WMP will continue to include a buffer for potential drought worse than Drought of Record of at least 600,000 acre-feet*

# Comments Received – Evaporation

- **CTWC comment**
  - Suggests using “latest” science on evaporative losses

- **LCRA response**
  - *The latest science is not fully developed/calibrated*
  - *Using the same evaporation in the naturalized flows and the modeling is critical*

# Comments Received – Modeling (1 of 2)

- **CTWC comments**
  - WMP should have lower interruptible release amounts and higher curtailment triggers to avoid Drought Worse than Drought of Record (DWDR) declarations
  - Create a safe yield model in this WMP revision
- **LCRA response**
  - *LCRA's initial staff approach will include adjustments to interruptible agricultural supplies and environmental flows based on increasing demands and additional hydrology*
  - *The WMP model will continue to maintain a buffer of at least 600,000 acre-feet for potential DWDR*
  - *LCRA does not intend to deviate from the standard approach for firm yield models*

# Comments Received – Modeling (2 of 2)

- **CTWC comments**
  - Describe parameters that will be used in WMP
  - Should water availability modeling be separated into Upper and Lower Reaches
  - How Arbuckle will be modeled
- **LCRA response**
  - *Technical papers from the 2020 WMP provide a good starting point for understanding more detailed modeling parameters*
    - *These will be updated later in this process*
  - *The supplies in the upper and lower reaches are operated as a system*
    - *Lower reach supplies are relied on first*
  - *Arbuckle Reservoir is included as source to help meet firm demands in Matagorda County, interruptible agricultural demands and Matagorda Bay inflow obligations*

# 2020 Water Management Plan Recap

6/26/2025

# 2020 Water Management Plan Overview

- **The basic WMP framework:**
  - Three water supply conditions – Normal, Less Severe Drought and Extraordinary Drought
  - Two evaluation dates for interruptible water availability for agriculture and three evaluation dates for the environment
  - Look-ahead tests
  - Environmental flow criteria
  - Minimum combined storage of 600,000 acre-feet

# Three Water Supply Conditions

- Normal
- Less Severe Drought (curtailment starts sooner)
- Extraordinary Drought (no interruptible stored water for non-Garwood agricultural operations)

# Less Severe Drought Entrance and Exit Criteria

| | Combined Storage on Evaluation Date (million acre-feet) | Three-Month Inflows |
|---|---|---|
| **Entering Criteria** | Below 1.5 | Less than 50,000 acre-feet |
| | Below 1.4 | Less than 33rd percentile |
| | **Combined Storage at Any Time During the Previous Season (million acre-feet)** | **Cumulative Inflows** |
| **Exiting Criteria** | Above 1.5 | |
| | Above 1.4 | Above the median three-month period preceding the evaluation date |

# Extraordinary Drought Entrance and Exit Criteria

| | Combined Storage on Evaluation Date (million acre-feet) | Duration | Long-Term Inflows |
|---|---|---|---|
| **Entering Criteria** | Below 1.3 | Greater than 18 months | Below the 1950s drought inflow curve |
| | Below 1.4 and decreased by over 300,000 acre-feet from March 1 to July 1 | - | - |
| | **Combined Storage at Any Time During the Previous Season (million acre-feet)** | **Duration** | **Long-Term Inflows** |
| **Exiting Criteria** | Above 1.3 | - | - |

# Curtailment Curves for Non-Garwood Interruptible Stored Water for Agriculture

- Normal curtailment curve (first and second growing season)
- Less Severe Drought curtailment curve (first and second growing season)

# First Season Interruptible Stored Water Availability for Agriculture

| Normal Conditions* | | Less Severe Drought Condition | |
|---|---|---|---|
| Combined storage on March 1 (million acre-feet) | Interruptible supply (acre-feet)** | Combined storage on March 1 (million acre-feet) | Interruptible supply (acre-feet)** |
| Above 1.3 | 178,000 | Above or equal to 1.5 | 178,000 |
| 1.1 to 1.3 | 107,100 to 178,000 | 1.1 to 1.499999 | 88,200 to 155,000 |
| Below 1.1 | 0 | Below 1.1 | 0 |

*When combined storage is above 1.5 million acre-feet, Normal conditions apply

**Anytime cutoff if storage is at or below 1.0 million acre-feet

# Second Season Interruptible Stored Water Availability for Agriculture

| Normal Conditions* | | Less Severe Drought Condition | |
|---|---|---|---|
| Combined storage on July 1 (million acre-feet) | Interruptible supply (acre-feet)** | Combined storage on July 1 (million acre-feet) | Interruptible supply (acre-feet)** |
| Above 1.4 | 66,000 | Above or equal to 1.5 | 66,000 |
| 1.1 to 1.4 | 39,700 to 66,000 | 1.1 to 1.499999 | 39,700 to 55,000 |
| Below 1.1 | 0 | Below 1.1 | 0 |

*When combined storage is above 1.5 million acre-feet, Normal conditions apply

**Anytime cutoff if storage is at or below 1.0 million acre-feet

# Look-Ahead Test

- **On March 1 or July 1, if projections indicate:**
  - Storage could drop below 900,000 acre-feet in the upcoming crop season, OR
  - Storage could drop below 600,000 acre-feet within 12 months

- **Then no interruptible stored water is made available to Gulf Coast, Lakeside and Pierce Ranch agricultural operations**

# Environmental Flows

- **Three evaluation dates for environmental flows**
- **Instream flow levels:**
  - Base average, Base Dry, Subsistence and Special Subsistence
- **Matagorda Bay inflows:**
  - Monthly Threshold value
  - OP 1-4

# Instream Flows

| Instream Flow Criteria Level | Source | Combined Storage on Evaluation Date |
|---|---|---|
| Base-Average | Buchanan & Travis Storable Inflows (SI) | Above 1.96 million acre-feet |
| Base-Dry | Buchanan & Travis SI | 1.8 to 1.96 million acre-feet |
| Subsistence | Buchanan & Travis SI & Stored Water (SW) | Below 1.8 million acre-feet |
| Special Subsistence at Wharton | Buchanan & Travis SI | Below 900,000 acre-feet |

# Freshwater Inflows to Matagorda Bay

| Combined Storage on Evaluation Date (million acre-feet) | Freshwater Inflow Criteria |
|---|---|
| Above 1.95 (March 1 and July 1)<br>Above 1.85 (Nov. 1) | OP-4 |
| 1.5 to 1.949 (March 1 and July 1)<br>1.5 to 1.849 (Nov. 1) | OP-3 |
| 1.3 to 1.499 (March 1, July 1, and Nov. 1) | OP-2 |
| 1.0 to 1.299 (March 1, July 1, and Nov. 1) | OP-1 |
| Below 1.0 (anytime) | Threshold |

*If storage is below 1.3 million acre-feet and non-Garwood interruptible stored water is cut off, then Threshold only

# Freshwater Inflows to Matagorda Bay

## Maximum Monthly Bay Release

| Combined Storage (million acre-feet) | Maximum Release for Bay Criteria (acre-feet) |
|---|---|
| Above or equal to 1.5 | 82,000 |
| 1.3 to 1.499 | 56,000 |
| Below 1.3 | 25,000 |

## Bay Release Percentage Limits

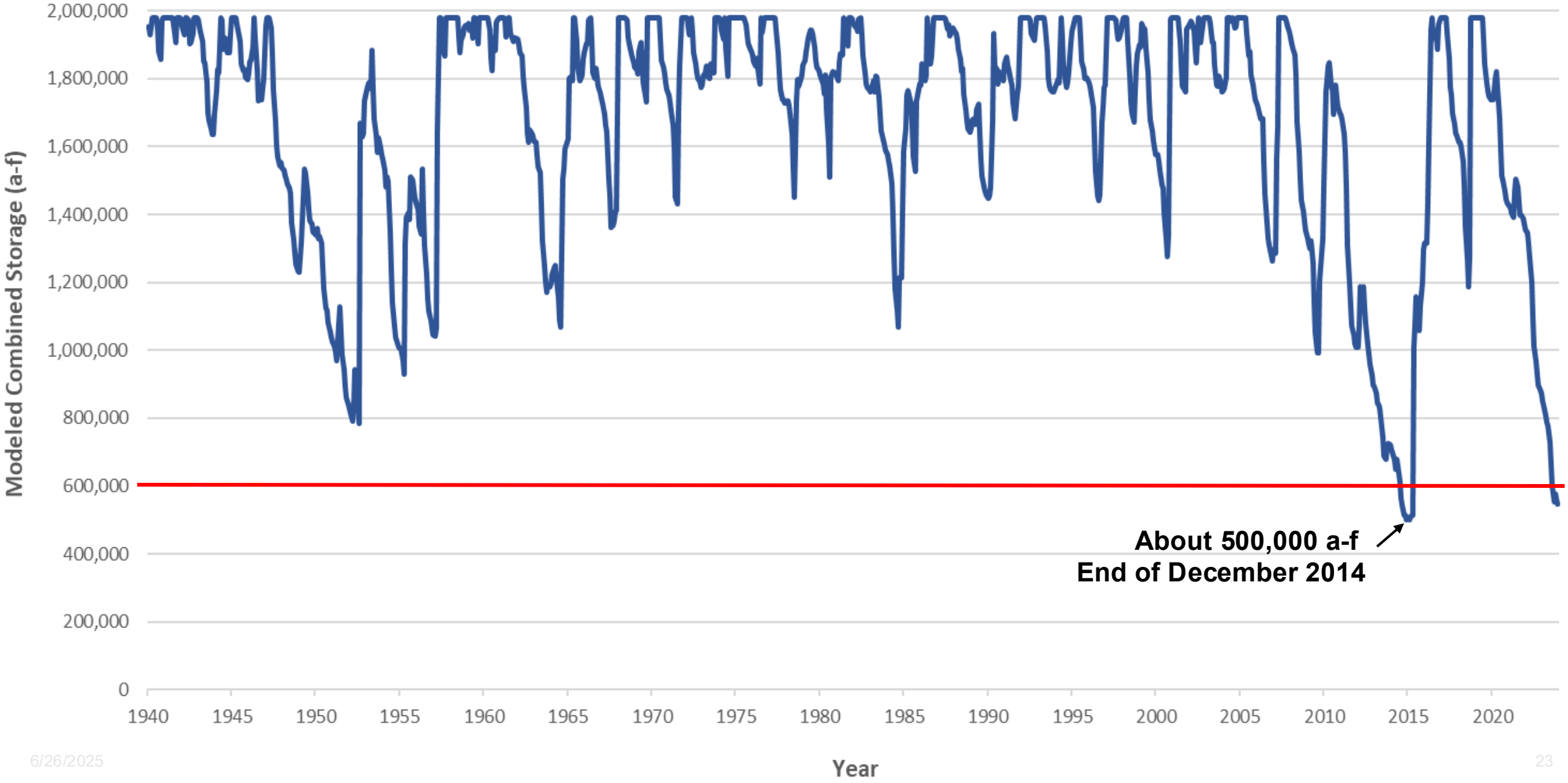
| Combined Storage (million acre-feet) | Bay Release Percentage |
|---|---|
| Above 1.5 | 60% |
| Below or equal to 1.5 | 50% |

*Percentage limits are applied after the first 15,000 a-f for a month.

# How Does the 2020 WMP Perform Under 2032 Conditions?

- **Firm demands increase to 2032 conditions**
  - About 19% increase for normal demands
  - About 9% increase in max demands
- **Sedimentation projected to 2032**
- **Period of record extended through 2023**

# Combined Storage in the Highland Lakes:
# 2020 WMP with 2032 Projected Demands and Hydrology Through 2023



# Preliminary Approach to the Water Management Plan Update

Comments can be submitted to LCRAWMP@lcra.org

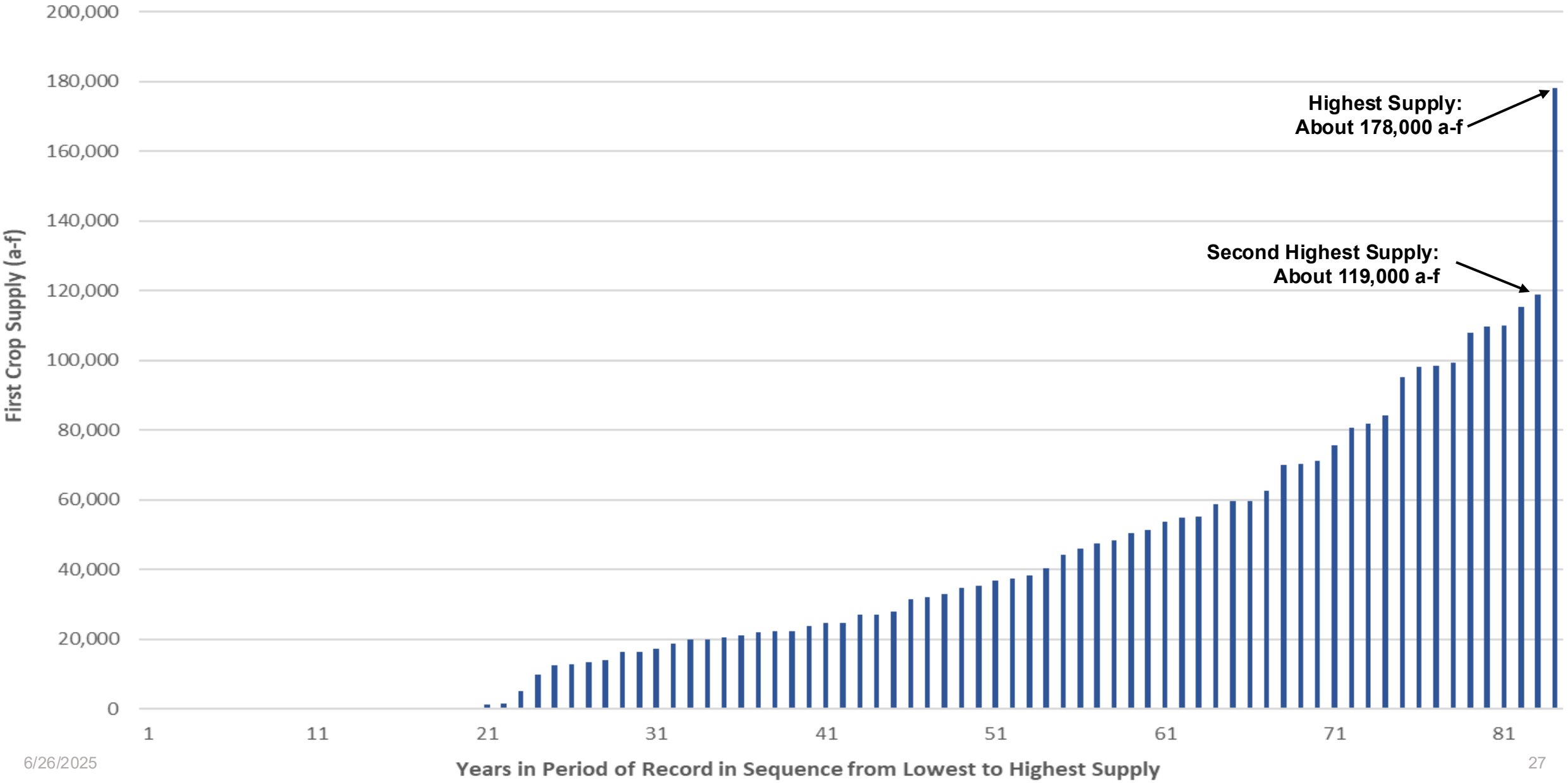
# Preliminary Less Severe Drought Entrance and Exit Criteria

| | Combined Storage on Evaluation Date (million acre-feet) | Three-Month Inflows |
|---|---|---|
| **Entering Criteria** | Below ~~1.5~~ 1.8 | Below ~~50,000~~ 60,000 acre-feet |
| | Below ~~1.4~~ 1.6 | Below the 33rd percentile |
| | **Combined Storage at Any Time During the Previous Season (million acre-feet)** | **Cumulative Inflows** |
| **Exiting Criteria** | Above ~~1.5~~ 1.6 | |
| | Above ~~1.4~~ 1.5 | Above the median three-month period preceding the evaluation date |

# Preliminary Extraordinary Drought Entrance and Exit Criteria

| | Combined Storage on Evaluation Date (million acre-feet) | Duration | Long-Term Inflows |
|---|---|---|---|
| **Entering Criteria** | Below ~~1.3~~ 1.45 | Greater than 18 months | Below the 1950s drought inflow curve |
| | Below ~~1.4~~ 1.45 and decreased by over 300,000 acre-feet from March 1 to July 1 | - | - |
| | **Combined Storage at Any Time During the Previous Season (million acre-feet)** | **Duration** | **Long-Term Inflows** |
| **Exiting Criteria** | Above ~~1.3~~ 1.45 | - | - |

# Interruptible Stored Water First Crop Supply for Each Year of the Period of Record: 2020 WMP with 2032 Conditions



# Preliminary First Season Interruptible Stored Water for Agriculture Changes

| Normal Conditions* | | Less Severe Drought Condition | |
|---|---|---|---|
| Combined storage on March 1 (million acre-feet) | Interruptible supply (acre-feet)** | Combined storage on March 1 (million acre-feet) | Interruptible supply (acre-feet)** |
| Above ~~1.3~~ 1.6 | ~~178,000~~ 125,000 | Above or equal to ~~1.5~~ 1.8 | ~~178,000~~ 125,000 |
| ~~1.1 to 1.3~~ 1.3 to 1.6 | ~~107,100 to 178,000~~ 100,000 to 125,000 | ~~1.1 to 1.5~~ 1.3 to 1.799999 | ~~88,200 to 155,000~~ 80,000 to 100,000 |
| Below ~~1.1~~ 1.3 | 0 | Below ~~1.1~~ 1.3 | 0 |

*When combined storage is above 1.8 million acre-feet, Normal conditions apply

**Anytime cutoff if storage is at or below ~~1.0~~ 1.1 million acre-feet

# Preliminary Second Season Interruptible Stored Water for Agriculture Changes

| Normal Conditions* | | Less Severe Drought Condition | |
|---|---|---|---|
| Combined storage on July 1 (million acre-feet) | Interruptible supply (acre-feet)** | Combined storage on July 1 (million acre-feet) | Interruptible supply (acre-feet)** |
| Above ~~1.4~~ 1.5 | 66,000 | Above or equal to ~~1.5~~ 1.6 | 66,000 |
| ~~1.1 to 1.4~~ 1.3 to 1.5 | ~~39,700~~ 55,000 to 66,000 | ~~1.1 to 1.5~~ 1.3 to 1.599999 | ~~39,700 to 55,000~~ 47,000 to 66,000 |
| Below ~~1.1~~ 1.3 | 0 | Below ~~1.1~~ 1.3 | 0 |

*When combined storage is above 1.6 million acre-feet, Normal conditions apply

**Anytime cutoff if storage is at or below ~~1.0~~ 1.1 million acre-feet

# Preliminary Instream Flows Changes

| Combined Storage on Evaluation Date | Instream Flow Criteria Level | Source |
|---|---|---|
| Above 1.96 million acre-feet | Base-Average | Buchanan & Travis Storable Inflows (SI) |
| 1.8 to 1.96 million acre-feet | Base-Dry | Buchanan & Travis SI |
| Below 1.8 million acre-feet* | Subsistence | Buchanan & Travis SI & Stored Water (SW) |

*See Special Subsistence Criteria applicable to Columbus and Wharton for combined storage below 1.3 million acre-feet

# Preliminary Instream Flows Changes – Special Subsistence at Columbus and Wharton

| Combined Storage on Evaluation Date | Instream Flow Criteria Level |
|---|---|
| ~~Below 900,000~~<br>900,000 to 1.3 million acre-feet | Subsistence: SI only<br>Special Subsistence: SW only |
| Below 900,000 acre-feet | Special Subsistence: SI & SW |

# Preliminary Instream Flow Changes

## Subsistence and changes to special subsistence criteria:

| Instream Flow Criteria Level* | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Subsistence at Columbus | 340 | 375 | 375 | 299 | 425 | 534 | 342 | 190 | 279 | 190 | 202 | 301 |
| Special Subsistence at Columbus | 190 | 279 | 279 | 190 | 279 | 279 | 279 | 190 | 190 | 190 | 190 | 190 |
| Subsistence at Wharton | 315 | 303 | 204 | 270 | 304 | 371 | 212 | 107 | 188 | 147 | 173 | 202 |
| Special Subsistence at Wharton | 158 | 152 | 107 | 135 | 152 | 186 | 107 | 107 | 107 | 107 | 107 | 107 |

*Flow in cubic feet per second

# Preliminary Bay Changes

| Combined Storage on Evaluation Date (million acre-feet) | Freshwater Inflow Criteria |
|---|---|
| 1.95 and above (March 1 and July 1)<br>~~1.85~~ 1.95 and above (Nov. 1) | OP-4 |
| 1.5 to 1.949 (March 1 and July 1)<br>1.5 to ~~1.849~~ 1.949 (Nov. 1) | OP-3 |
| 1.3 to 1.499 | OP-2 |
| ~~1.0~~ 1.1 to 1.299 | OP-1 |
| Below ~~1.0~~ 1.1 (anytime) | Threshold |

*If storage is less than ~~1.3~~ 1.4 million acre-feet and non-Garwood interruptible stored water is cut off, then Threshold only

# Preliminary Bay Changes

**Maximum Monthly Bay Release**

| Combined Storage (million acre-feet) | Maximum Release for Bay Criteria (acre-feet) |
|---|---|
| Above ~~1.5~~ 1.6 | ~~82,000~~ 60,000 |
| ~~1.3 to 1.499~~ 1.4 to 1.599 | ~~56,000~~ 40,000 |
| Below ~~1.3~~ 1.4 | ~~25,000~~ 20,000 |

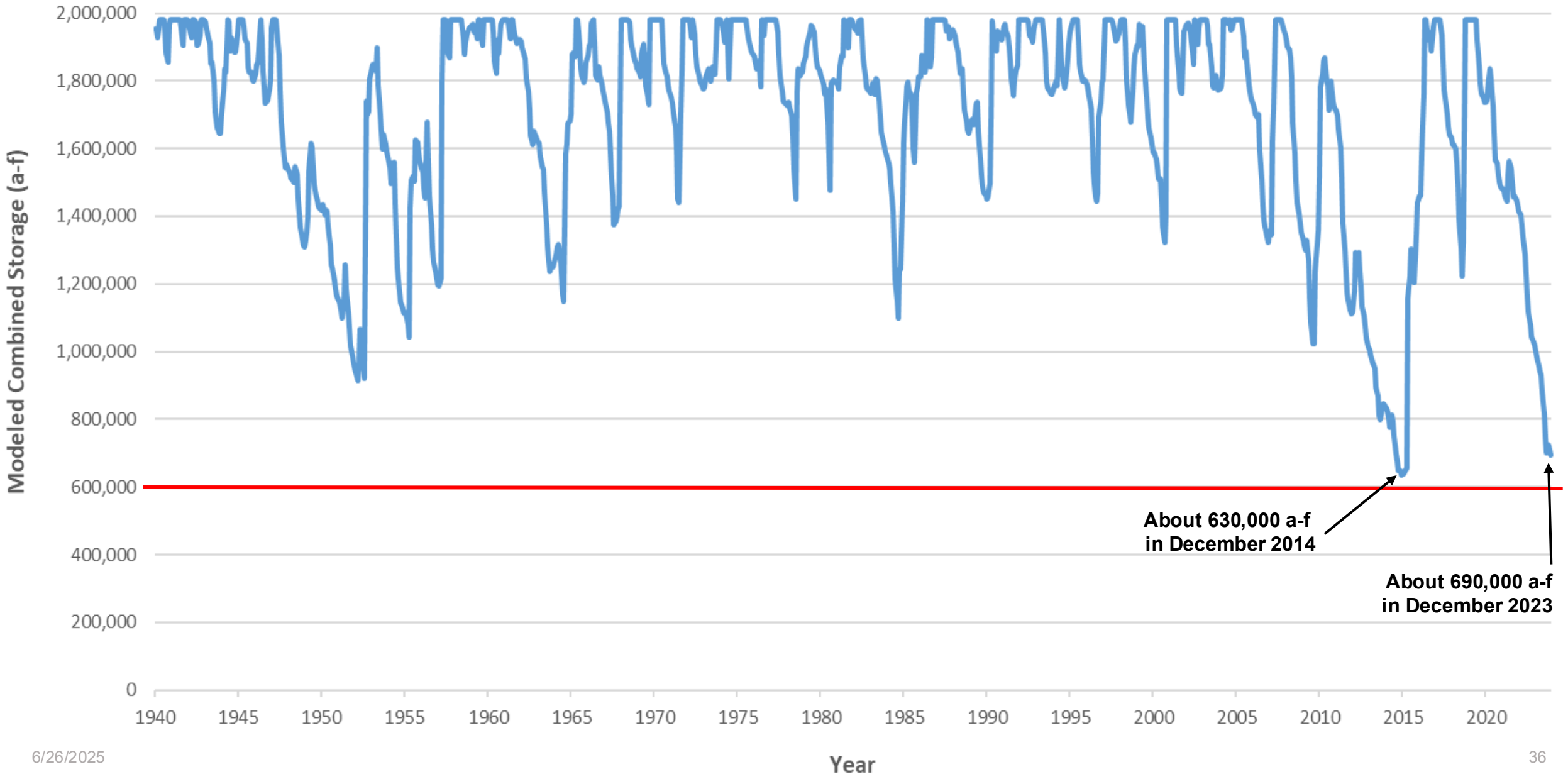
**Bay Release Percentage Limit ***

| Combined Storage (million acre-feet) | Bay Release Percentage* |
|---|---|
| Above ~~1.5~~ 1.6 | ~~60~~ 50% |
| Below ~~1.5~~ 1.6 | ~~50~~ 40% |

*Percentage limits are applied after the first ~~15,000~~ 10,000 a-f for a month

# Preliminary Model Results

# Combined Storage in the Highland Lakes: Preliminary WMP Update



# Break

# Results Summary – Preliminary Results

- **Information presented in the Results Summary:**
  - Water demands
  - Reports summary metrics
  - Firm customer demands met
  - Lake levels
  - Interruptible curtailments and cut-offs
  - Bay and estuary (B&E) inflows
  - Period of Record (POR) results
  - Drought of Record (DOR) results
  - Additional details (same categories)
  - Instream flows
  - Information specific to each agricultural operation

| *PERIOD OF RECORD* RESULTS (1940 - 2023) DEMAND CATEGORY / PARAMETER | POR (1940-2023) 2020 WMP with 2032 Conditions | POR (1940-2023) Preliminary WMP Update | UNITS |
|---|---|---|---|
| **Firm Demands** | | | |
| Maximum Firm Demand: | 465,562 | 465,562 | a-f |
| **Maximum Firm Supply[1]:** | 465,442 | 465,442 | a-f |
| | | | |
| **Lake Level** | | | |
| # of months combined storage below 900,000 a-f | 53 | 30 | mo |
| % of months combined storage below 900,000 a-f | 5% | 3% | |
| # of months combined storage below 600,000 a-f | 14 | 0 | mo |
| % of months combined storage below 600,000 a-f | 1% | 0% | |
| | | | |
| Minimum combined storage in lakes Buchanan and Travis | 499,445 | 633,755 | a-f |
| Combined Storage Min 2008-2015 | 499,445 | 633,755 | a-f |
| Combined Storage Min 2019-2023 | 545,925 | 694,205 | a-f |
| | | | |
| **Interruptible Irrigation - All Divisions** | | | |
| Max stored Water Made Available First Crop | 178,000 | 125,000 | a-f |
| Number of years first crop stored water made available | 72 | 70 | yr |
| Number of years first crop partially curtailed | 6 | 14 | yr |
| Number of years no stored water available for first crop | 12 | 14 | yr |
| Number of years first crop cut-off mid-season (any time cut-off) | 0 | 0 | yr |
| Number of years first crop ran out of stored water | 1 | 2 | yr |
| Max stored Water Made Available Second Crop | 66,000 | 66,000 | a-f |
| Number of years second crop stored water made available | 67 | 67 | yr |
| Number of years second crop partially curtailed | 3 | 10 | yr |
| Number of years no stored water available for second crop | 17 | 17 | yr |
| Number of years second crop cut-off mid-season (any time cut-off) | 0 | 0 | yr |
| | | | |
| **Environmental - Bay and Estuary (B&E)** | | | |
| Average annual Matagorda Bay inflow volume | 1,597,720 | 1,605,208 | a-f |
| Average monthly salinity in Matagorda Bay | 22 | 22 | ppt |
| Max # of sequential months Matagorda Bay salinity exceeds 27.5 ppt | 21 | 20 | mo |
| | | | |
| % of months Threshold inflow criteria are met (Goal 100%) | 97% | 96% | |
| | | | |
| % of months Subsistence IF criteria met at Bastrop (Goal 100%) | 100% | 100% | |

Note: [1]Firm supply is slightly less than firm demand because the Lometa water right relies on streamflow above Lake Buchanan and is not fully satisfied at all times.

This information is for discussion only.
This is not a forecast of future conditions

# Interruptible Agriculture Results – All Divisions

| Demand Category/Parameter | 2020 WMP with 2032 Conditions | Preliminary WMP Update | Units |
|---|---|---|---|
| Max stored water made available - first crop | 178,000 | 125,000 | a-f |
| Number of years first crop stored water made available | 72 | 70 | years |
| Number of years first crop partially curtailed | 6 | 14 | years |
| Number of years no stored water available for first crop | 12 | 14 | years |
| Number of years first crop cut-off mid-season (any time cut-off) | 0 | 0 | years |
| Number of years first crop ran out of stored water | 1 | 2 | years |
| Max stored water made available - second crop | 66,000 | 66,000 | a-f |
| Number of years second crop stored water made available | 67 | 67 | years |
| Number of years second crop partially curtailed | 3 | 10 | years |
| Number of years no stored water available for second crop | 17 | 17 | years |
| Number of years second crop cut-off mid-season (any time cut-off) | 0 | 0 | years |

# Matagorda Bay Health Evaluation Results

| Demand Category/Parameter | 2020 WMP with 2032 Conditions | Preliminary WMP Update |
|---|---|---|
| % of months Threshold inflow criteria are met | 97% | 96% |
| % of years All MBHE-1 criteria are met | 71% | 70% |
| % of years All MBHE-2 criteria are met | 57% | 56% |
| % of years All MBHE-3 criteria are met | 40% | 40% |
| % of years All MBHE-4 criteria are met | 25% | 25% |

# Instream Flow Results

| Demand Category/Parameter | 2020 WMP with 2032 Conditions | Preliminary WMP Update |
|---|---|---|
| % of months **Subsistence** IF criteria met at Bastrop | 100% | 100% |
| % of months **Subsistence** IF criteria met at Columbus | 100% | 99.0% |
| % of months **Subsistence** IF criteria met at Wharton | 99.7% | 99.1% |
| % of months **Base-Dry** IF criteria met at Bastrop | 98.5% | 98.3% |
| % of months **Base-Dry** IF criteria met at Columbus | 85.9% | 85.3% |
| % of months **Base-Dry** IF criteria met at Wharton | 77.1% | 76.6% |
| % of months **Base-Average** IF criteria met at Bastrop | 80.0% | 78.9% |
| % of months **Base-Average** IF criteria met at Columbus | 66.1% | 65.0% |
| % of months **Base-Average** IF criteria met at Wharton | 55.7% | 55.0% |

# Monthly Output – Preliminary Results

- **Water Supply Conditions**
  - White – Normal
  - Blue – Less Severe Drought
  - Orange – Extraordinary Drought
  - Purple – Cut-off caused by lookahead test
- **Combined Storage**
- **Cumulative inflows**
  - Since lakes last full
  - Drought of Record inflows
- **Monthly counter since full**
- **Three-month cumulative inflows**
- **Amount of interruptible stored water remaining**
- **Flow released for ag and the environment**

06/24/2025 04:19 PM
Preliminary WAP Update

**End of month LCRA combined system storage (Lakes Buchanan and Travis)**

| | NORMAL |
|---|---|
| | LESS SEVERE |
| | EXTRAORDINARY |
| | LOOK-AHEAD |

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1940 | 1,953,175 | 1,950,969 | 1,928,995 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,947,216 | 1,881,851 | 1,855,636 | 1,968,163 | 1,980,768 |
| 1941 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,931,673 | 1,905,668 | 1,980,768 | 1,980,768 | 1,980,768 |
| 1942 | 1,969,735 | 1,953,550 | 1,929,280 | 1,980,768 | 1,980,768 | 1,973,164 | 1,903,102 | 1,906,437 | 1,933,080 | 1,980,768 | 1,980,768 | 1,980,768 |
| 1943 | 1,973,423 | 1,952,710 | 1,937,357 | 1,911,240 | 1,851,920 | 1,856,177 | 1,798,134 | 1,707,132 | 1,682,757 | 1,660,505 | 1,644,736 | 1,644,791 |
| 1944 | 1,704,636 | 1,771,392 | 1,836,280 | 1,824,839 | 1,980,768 | 1,972,470 | 1,887,893 | 1,926,906 | 1,906,397 | 1,885,617 | 1,884,207 | 1,939,181 |
| 1945 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,960,406 | 1,925,624 | 1,910,317 | 1,842,661 | 1,825,542 | 1,826,719 | 1,804,341 | 1,798,254 |
| 1946 | 1,817,847 | 1,849,036 | 1,853,572 | 1,894,380 | 1,980,768 | 1,920,149 | 1,824,519 | 1,733,947 | 1,743,636 | 1,738,893 | 1,771,994 | 1,801,935 |
| 1947 | 1,957,218 | 1,979,067 | 1,980,768 | 1,980,768 | 1,948,951 | 1,874,237 | 1,768,850 | 1,676,819 | 1,603,021 | 1,568,904 | 1,542,261 | 1,553,186 |
| 1948 | 1,535,824 | 1,528,901 | 1,514,401 | 1,506,921 | 1,499,406 | 1,546,364 | 1,524,493 | 1,448,294 | 1,404,544 | 1,366,435 | 1,333,728 | 1,311,991 |
| 1949 | 1,310,567 | 1,353,211 | 1,397,486 | 1,534,187 | 1,614,002 | 1,600,572 | 1,543,973 | 1,492,875 | 1,458,775 | 1,449,104 | 1,426,747 | 1,422,636 |
| 1950 | 1,417,006 | 1,435,614 | 1,405,896 | 1,417,255 | 1,415,961 | 1,367,982 | 1,315,475 | 1,256,533 | 1,248,239 | 1,211,920 | 1,184,720 | 1,166,061 |
| 1951 | 1,151,632 | 1,142,201 | 1,125,317 | 1,098,347 | 1,156,075 | 1,256,517 | 1,183,363 | 1,114,985 | 1,067,957 | 1,017,235 | 985,544 | 965,432 |
| 1952 | 950,082 | 936,407 | 914,815 | 964,329 | 1,066,188 | 1,035,613 | 989,825 | 920,493 | 1,740,588 | 1,700,824 | 1,711,204 | 1,806,135 |
| 1953 | 1,837,232 | 1,847,833 | 1,846,659 | 1,829,163 | 1,898,832 | 1,785,642 | 1,697,290 | 1,648,226 | 1,599,631 | 1,641,890 | 1,613,021 | 1,592,348 |
| 1954 | 1,577,298 | 1,545,163 | 1,496,935 | 1,554,418 | 1,560,001 | 1,433,038 | 1,336,896 | 1,246,296 | 1,177,138 | 1,145,197 | 1,137,773 | 1,115,831 |
| 1955 | 1,112,758 | 1,115,180 | 1,078,239 | 1,041,836 | 1,429,279 | 1,505,340 | 1,519,701 | 1,504,983 | 1,626,090 | 1,617,717 | 1,589,640 | 1,563,075 |
| 1956 | 1,539,416 | 1,530,536 | 1,479,266 | 1,455,032 | 1,677,562 | 1,556,875 | 1,460,807 | 1,375,419 | 1,302,843 | 1,264,159 | 1,236,702 | 1,213,416 |
| 1957 | 1,197,280 | 1,194,368 | 1,216,266 | 1,801,919 | 1,980,768 | 1,980,768 | 1,934,020 | 1,885,822 | 1,867,958 | 1,980,768 | 1,980,768 | 1,980,768 |
| 1958 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,924,093 | 1,876,909 | 1,915,694 | 1,933,593 | 1,953,312 | 1,958,037 |
| 1959 | 1,961,037 | 1,967,379 | 1,944,987 | 1,958,228 | 1,925,267 | 1,980,768 | 1,980,768 | 1,943,977 | 1,904,237 | 1,980,768 | 1,980,768 | 1,980,768 |
| 1960 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,944,265 | 1,859,725 | 1,823,301 | 1,920,123 | 1,882,242 | 1,965,846 | 1,974,229 | 1,980,768 |
| 1961 | 1,980,768 | 1,980,768 | 1,980,768 | 1,973,555 | 1,923,199 | 1,980,768 | 1,980,768 | 1,937,384 | 1,925,224 | 1,910,390 | 1,919,526 | 1,921,171 |
| 1962 | 1,917,579 | 1,898,667 | 1,876,710 | 1,865,945 | 1,807,548 | 1,771,418 | 1,715,376 | 1,638,022 | 1,613,276 | 1,652,152 | 1,640,169 | 1,635,238 |
| 1963 | 1,618,055 | 1,613,884 | 1,576,628 | 1,544,980 | 1,540,301 | 1,471,674 | 1,376,228 | 1,309,547 | 1,264,986 | 1,236,418 | 1,256,181 | 1,251,425 |
| 1964 | 1,261,663 | 1,287,052 | 1,308,819 | 1,315,603 | 1,274,435 | 1,227,745 | 1,166,951 | 1,148,559 | 1,584,643 | 1,614,033 | 1,673,359 | 1,681,083 |
| 1965 | 1,701,139 | 1,879,430 | 1,884,450 | 1,872,923 | 1,980,768 | 1,980,768 | 1,909,571 | 1,834,953 | 1,814,753 | 1,796,030 | 1,810,673 | 1,855,867 |
| 1966 | 1,876,576 | 1,903,582 | 1,903,448 | 1,971,603 | 1,980,768 | 1,915,913 | 1,816,906 | 1,801,082 | 1,843,036 | 1,814,648 | 1,789,021 | 1,770,198 |
| 1967 | 1,752,881 | 1,737,886 | 1,706,781 | 1,674,281 | 1,652,641 | 1,511,372 | 1,460,763 | 1,375,800 | 1,385,628 | 1,399,271 | 1,425,234 | 1,428,935 |
| 1968 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,972,221 | 1,920,779 | 1,902,725 | 1,872,004 | 1,859,203 | 1,850,791 |
| 1969 | 1,835,312 | 1,826,643 | 1,813,450 | 1,879,335 | 1,906,380 | 1,858,249 | 1,786,553 | 1,752,256 | 1,730,433 | 1,980,768 | 1,980,768 | 1,980,768 |
| 1970 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,915,636 | 1,852,500 | 1,835,575 | 1,813,497 | 1,786,390 | 1,769,550 |
| 1971 | 1,750,328 | 1,732,739 | 1,703,997 | 1,663,235 | 1,591,812 | 1,450,204 | 1,439,314 | 1,708,780 | 1,830,232 | 1,980,768 | 1,980,768 | 1,980,768 |
| 1972 | 1,980,768 | 1,980,768 | 1,953,683 | 1,928,781 | 1,980,768 | 1,937,223 | 1,876,140 | 1,843,605 | 1,815,933 | 1,800,188 | 1,791,323 | 1,775,074 |
| 1973 | 1,781,217 | 1,806,580 | 1,818,322 | 1,837,167 | 1,808,666 | 1,799,522 | 1,842,473 | 1,832,316 | 1,818,061 | 1,980,768 | 1,980,768 | 1,980,768 |
| 1974 | 1,980,768 | 1,964,908 | 1,943,930 | 1,916,114 | 1,980,768 | 1,893,775 | 1,807,041 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 |
| 1975 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,958,090 | 1,930,950 | 1,902,342 | 1,886,975 | 1,881,677 |
| 1976 | 1,870,535 | 1,851,679 | 1,836,844 | 1,859,636 | 1,827,584 | 1,783,016 | 1,980,768 | 1,935,659 | 1,979,375 | 1,980,768 | 1,980,768 | 1,980,768 |
| 1977 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,943,765 | 1,873,047 | 1,814,541 | 1,768,331 | 1,739,135 | 1,736,839 | 1,730,074 |
| 1978 | 1,727,472 | 1,735,299 | 1,721,890 | 1,696,694 | 1,636,036 | 1,537,988 | 1,450,377 | 1,769,697 | 1,834,921 | 1,815,389 | 1,825,779 | 1,827,263 |
| 1979 | 1,852,531 | 1,873,115 | 1,902,188 | 1,919,395 | 1,941,858 | 1,962,998 | 1,961,781 | 1,943,217 | 1,901,983 | 1,863,429 | 1,841,743 | 1,831,250 |
| 1980 | 1,819,875 | 1,808,020 | 1,790,307 | 1,760,963 | 1,777,578 | 1,677,876 | 1,572,713 | 1,475,660 | 1,793,903 | 1,803,564 | 1,796,823 | 1,800,019 |
| 1981 | 1,787,982 | 1,777,186 | 1,843,748 | 1,874,943 | 1,871,200 | 1,980,768 | 1,958,228 | 1,919,374 | 1,896,945 | 1,980,768 | 1,980,768 | 1,974,995 |
| 1982 | 1,962,825 | 1,951,535 | 1,954,075 | 1,939,511 | 1,977,132 | 1,980,768 | 1,929,875 | 1,866,495 | 1,816,286 | 1,783,762 | 1,775,993 | 1,768,596 |
| 1983 | 1,762,432 | 1,771,592 | 1,793,442 | 1,760,540 | 1,806,676 | 1,802,814 | 1,744,901 | 1,694,400 | 1,647,060 | 1,619,121 | 1,606,638 | 1,590,460 |
| 1984 | 1,577,908 | 1,557,588 | 1,540,119 | 1,494,741 | 1,413,265 | 1,309,149 | 1,213,805 | 1,148,813 | 1,099,344 | 1,244,534 | 1,244,654 | 1,441,964 |
| 1985 | 1,617,358 | 1,683,298 | 1,782,094 | 1,797,416 | 1,770,798 | 1,759,472 | 1,684,998 | 1,599,359 | 1,558,789 | 1,766,505 | 1,783,213 | 1,814,128 |
| 1986 | 1,811,500 | 1,874,238 | 1,850,327 | 1,825,494 | 1,845,806 | 1,980,768 | 1,902,023 | 1,842,940 | 1,867,763 | 1,980,768 | 1,980,768 | 1,980,768 |
| 1987 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,977,345 | 1,946,185 | 1,959,198 | 1,925,238 | 1,940,823 | 1,950,764 |
| 1988 | 1,944,451 | 1,933,449 | 1,915,488 | 1,886,555 | 1,856,610 | 1,821,312 | 1,835,873 | 1,759,503 | 1,713,536 | 1,680,525 | 1,655,688 | 1,646,377 |
| 1989 | 1,658,422 | 1,683,336 | 1,686,584 | 1,671,092 | 1,730,721 | 1,736,090 | 1,648,331 | 1,570,444 | 1,518,953 | 1,486,719 | 1,471,890 | 1,462,308 |
| 1990 | 1,452,115 | 1,458,589 | 1,498,320 | 1,686,316 | 1,977,122 | 1,980,414 | 1,923,014 | 1,888,096 | 1,947,410 | 1,934,087 | 1,937,425 | 1,921,024 |
| 1991 | 1,959,698 | 1,967,494 | 1,946,004 | 1,932,355 | 1,899,076 | 1,859,661 | 1,804,578 | 1,757,773 | 1,803,309 | 1,829,868 | 1,846,484 | 1,980,768 |
| 1992 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,972,954 | 1,933,433 | 1,927,270 | 1,913,690 | 1,951,119 | 1,980,768 |
| 1993 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,979,917 | 1,951,455 | 1,880,430 | 1,799,747 | 1,779,331 | 1,768,788 | 1,762,025 | 1,759,857 |
| 1994 | 1,769,782 | 1,788,247 | 1,798,275 | 1,786,433 | 1,980,768 | 1,923,241 | 1,846,429 | 1,796,538 | 1,779,085 | 1,795,448 | 1,826,053 | 1,909,677 |
| 1995 | 1,943,623 | 1,958,629 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,920,107 | 1,849,407 | 1,827,024 | 1,799,651 | 1,803,359 | 1,801,147 |
| 1996 | 1,788,983 | 1,774,551 | 1,753,213 | 1,715,620 | 1,626,476 | 1,528,363 | 1,455,928 | 1,443,732 | 1,466,344 | 1,692,551 | 1,735,268 | 1,794,699 |
| 1997 | 1,803,318 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,973,970 | 1,939,836 | 1,918,044 | 1,919,664 | 1,942,434 |
| 1998 | 1,965,341 | 1,980,768 | 1,980,768 | 1,980,768 | 1,910,196 | 1,802,750 | 1,727,709 | 1,705,073 | 1,676,923 | 1,765,106 | 1,842,530 | 1,879,951 |
| 1999 | 1,904,800 | 1,900,070 | 1,967,334 | 1,951,548 | 1,960,950 | 1,902,674 | 1,832,625 | 1,750,591 | 1,692,845 | 1,660,373 | 1,630,135 | 1,611,308 |
| 2000 | 1,589,710 | 1,588,880 | 1,569,664 | 1,545,316 | 1,508,408 | 1,511,304 | 1,441,404 | 1,368,106 | 1,324,008 | 1,401,521 | 1,980,768 | 1,980,768 |
| 2001 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,905,888 | 1,832,493 | 1,779,317 | 1,766,420 | 1,762,824 | 1,947,336 | 1,954,795 |
| 2002 | 1,963,348 | 1,969,986 | 1,962,737 | 1,940,363 | 1,886,099 | 1,847,579 | 1,980,768 | 1,934,156 | 1,907,822 | 1,956,361 | 1,980,768 | 1,980,768 |
| 2003 | 1,980,768 | 1,980,768 | 1,980,768 | 1,963,881 | 1,907,996 | 1,906,689 | 1,839,897 | 1,782,116 | 1,778,272 | 1,817,143 | 1,796,292 | 1,773,925 |
| 2004 | 1,775,702 | 1,782,328 | 1,815,013 | 1,980,768 | 1,980,768 | 1,980,768 | 1,969,366 | 1,980,768 | 1,950,028 | 1,953,020 | 1,980,768 | 1,980,768 |
| 2005 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,932,248 | 1,868,183 | 1,888,012 | 1,817,856 | 1,787,859 | 1,765,521 | 1,746,237 |
| 2006 | 1,729,668 | 1,716,134 | 1,701,753 | 1,690,983 | 1,700,123 | 1,593,532 | 1,511,116 | 1,432,212 | 1,388,960 | 1,370,156 | 1,339,929 | 1,323,517 |
| 2007 | 1,354,933 | 1,344,244 | 1,625,468 | 1,714,293 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,969,013 | 1,955,804 | 1,936,973 |
| 2008 | 1,921,348 | 1,902,886 | 1,890,383 | 1,869,402 | 1,808,736 | 1,673,773 | 1,584,190 | 1,503,876 | 1,441,444 | 1,406,999 | 1,377,532 | 1,353,421 |
| 2009 | 1,330,106 | 1,312,579 | 1,300,039 | 1,329,107 | 1,270,648 | 1,158,702 | 1,082,941 | 1,023,712 | 1,024,705 | 1,235,333 | 1,318,621 | 1,357,185 |
| 2010 | 1,514,148 | 1,781,799 | 1,819,602 | 1,857,216 | 1,867,270 | 1,799,825 | 1,788,418 | 1,715,299 | 1,800,606 | 1,763,847 | 1,738,402 | 1,720,037 |
| 2011 | 1,711,180 | 1,697,888 | 1,654,688 | 1,601,509 | 1,517,847 | 1,379,532 | 1,302,218 | 1,233,282 | 1,175,857 | 1,150,226 | 1,123,419 | 1,111,779 |
| 2012 | 1,114,200 | 1,179,161 | 1,292,202 | 1,275,578 | 1,291,634 | 1,237,497 | 1,194,598 | 1,132,176 | 1,105,598 | 1,074,683 | 1,041,036 | 1,012,204 |
| 2013 | 1,008,226 | 990,340 | 965,707 | 961,307 | 951,365 | 894,827 | 866,993 | 809,341 | 800,257 | 834,224 | 846,250 | 843,720 |
| 2014 | 831,981 | 821,473 | 801,214 | 775,674 | 813,847 | 792,848 | 749,346 | 698,082 | 677,454 | 649,692 | 648,118 | 633,755 |
| 2015 | 643,888 | 639,785 | 652,911 | 655,139 | 1,156,991 | 1,224,685 | 1,303,393 | 1,247,171 | 1,203,077 | 1,276,415 | 1,347,161 | 1,441,834 |
| 2016 | 1,460,436 | 1,461,736 | 1,577,545 | 1,758,882 | 1,980,768 | 1,980,768 | 1,921,427 | 1,943,173 | 1,919,820 | 1,887,905 | 1,959,919 | 1,980,768 |
| 2017 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,932,985 | 1,860,011 | 1,773,961 | 1,750,511 | 1,700,244 | 1,665,480 | 1,640,240 | 1,631,367 |
| 2018 | 1,613,355 | 1,613,507 | 1,599,427 | 1,559,087 | 1,493,786 | 1,390,889 | 1,301,118 | 1,223,316 | 1,317,692 | 1,980,768 | 1,980,768 | 1,980,768 |
| 2019 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,917,632 | 1,843,397 | 1,787,965 | 1,763,235 | 1,749,680 | 1,736,975 |
| 2020 | 1,738,248 | 1,719,771 | 1,809,429 | 1,833,967 | 1,804,427 | 1,725,257 | 1,645,081 | 1,567,244 | 1,554,635 | 1,521,279 | 1,499,810 | 1,488,341 |
| 2021 | 1,480,933 | 1,475,869 | 1,460,090 | 1,444,970 | 1,523,332 | 1,563,526 | 1,540,640 | 1,499,407 | 1,458,711 | 1,460,330 | 1,447,823 | 1,433,832 |
| 2022 | 1,414,982 | 1,405,411 | 1,372,468 | 1,339,286 | 1,287,320 | 1,226,433 | 1,161,529 | 1,114,109 | 1,078,724 | 1,042,408 | 1,036,804 | 1,020,543 |
| 2023 | 1,000,302 | 985,237 | 958,775 | 940,293 | 930,114 | 880,976 | 814,920 | 747,291 | 701,736 | 724,470 | 709,549 | 694,205 |

# End of Month LCRA Combined System Storage (Lakes Buchanan and Travis)

| | |
|---|---|
| | NORMAL |
| | LESS SEVERE |
| | EXTRAORDINARY |
| | LOOK-AHEAD |

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2000 | 1,589,710 | 1,588,880 | 1,569,664 | 1,545,316 | 1,508,408 | 1,511,304 | 1,441,404 | 1,368,106 | 1,324,008 | 1,401,521 | 1,980,768 | 1,980,768 |
| 2001 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,905,888 | 1,832,493 | 1,779,317 | 1,766,420 | 1,762,824 | 1,947,336 | 1,954,795 |
| 2002 | 1,963,348 | 1,969,986 | 1,962,737 | 1,940,363 | 1,886,099 | 1,847,579 | 1,980,768 | 1,934,156 | 1,907,822 | 1,956,361 | 1,980,768 | 1,980,768 |
| 2003 | 1,980,768 | 1,980,768 | 1,980,768 | 1,963,881 | 1,907,996 | 1,906,689 | 1,839,897 | 1,782,116 | 1,778,272 | 1,817,143 | 1,796,292 | 1,773,925 |
| 2004 | 1,775,702 | 1,782,328 | 1,815,013 | 1,980,768 | 1,980,768 | 1,980,768 | 1,969,366 | 1,980,768 | 1,950,028 | 1,953,020 | 1,980,768 | 1,980,768 |
| 2005 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,932,248 | 1,868,183 | 1,888,012 | 1,817,856 | 1,787,859 | 1,765,521 | 1,746,237 |
| 2006 | 1,729,668 | 1,716,134 | 1,701,753 | 1,690,983 | 1,700,123 | 1,593,532 | 1,511,116 | 1,432,212 | 1,388,960 | 1,370,156 | 1,339,929 | 1,323,517 |
| 2007 | 1,354,933 | 1,344,244 | 1,625,468 | 1,714,293 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,969,013 | 1,955,804 | 1,936,973 |
| 2008 | 1,921,348 | 1,902,886 | 1,890,383 | 1,869,402 | 1,808,736 | 1,673,773 | 1,584,190 | 1,503,876 | 1,441,444 | 1,406,999 | 1,377,532 | 1,353,421 |
| 2009 | 1,330,106 | 1,312,579 | 1,300,039 | 1,329,107 | 1,270,648 | 1,158,702 | 1,082,941 | 1,023,712 | 1,024,705 | 1,235,333 | 1,318,621 | 1,357,185 |
| 2010 | 1,514,148 | 1,781,799 | 1,819,602 | 1,857,216 | 1,867,270 | 1,799,825 | 1,788,418 | 1,715,299 | 1,800,606 | 1,763,847 | 1,738,402 | 1,720,037 |
| 2011 | 1,711,180 | 1,697,888 | 1,654,688 | 1,601,509 | 1,517,847 | 1,379,532 | 1,302,218 | 1,233,282 | 1,175,857 | 1,150,226 | 1,123,419 | 1,111,779 |
| 2012 | 1,114,200 | 1,179,161 | 1,292,202 | 1,275,578 | 1,291,634 | 1,237,497 | 1,194,598 | 1,132,176 | 1,105,598 | 1,074,683 | 1,041,036 | 1,012,204 |
| 2013 | 1,008,226 | 990,340 | 965,707 | 961,307 | 951,365 | 894,827 | 866,993 | 809,341 | 800,257 | 834,224 | 846,250 | 843,720 |
| 2014 | 831,981 | 821,473 | 801,214 | 775,674 | 813,847 | 792,848 | 749,346 | 698,082 | 677,454 | 649,692 | 649,118 | 633,755 |
| 2015 | 643,888 | 639,785 | 652,911 | 655,139 | 1,156,991 | 1,224,685 | 1,303,393 | 1,247,171 | 1,203,077 | 1,276,415 | 1,347,161 | 1,441,834 |
| 2016 | 1,460,436 | 1,461,736 | 1,577,545 | 1,758,882 | 1,980,768 | 1,980,768 | 1,921,427 | 1,943,173 | 1,919,820 | 1,887,905 | 1,959,919 | 1,980,768 |
| 2017 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,932,985 | 1,860,011 | 1,773,961 | 1,750,511 | 1,700,244 | 1,665,480 | 1,640,240 | 1,631,367 |
| 2018 | 1,613,355 | 1,613,507 | 1,599,427 | 1,559,087 | 1,493,786 | 1,390,889 | 1,301,118 | 1,223,316 | 1,317,692 | 1,980,768 | 1,980,768 | 1,980,768 |
| 2019 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,980,768 | 1,917,632 | 1,843,397 | 1,787,965 | 1,763,235 | 1,749,680 | 1,736,975 |
| 2020 | 1,738,248 | 1,739,771 | 1,809,429 | 1,833,967 | 1,804,427 | 1,725,257 | 1,645,081 | 1,567,244 | 1,554,635 | 1,521,279 | 1,499,810 | 1,488,341 |
| 2021 | 1,480,933 | 1,475,869 | 1,460,090 | 1,444,970 | 1,523,332 | 1,563,526 | 1,540,640 | 1,499,407 | 1,458,711 | 1,460,330 | 1,447,823 | 1,433,832 |
| 2022 | 1,414,982 | 1,405,411 | 1,372,468 | 1,339,286 | 1,287,320 | 1,226,433 | 1,161,529 | 1,114,109 | 1,078,724 | 1,042,408 | 1,036,804 | 1,020,543 |
| 2023 | 1,000,302 | 985,237 | 958,775 | 940,293 | 930,114 | 880,976 | 814,920 | 747,291 | 701,736 | 724,470 | 709,549 | 694,205 |

# Storable Inflows Before Instream and Bay Releases

| | |
|---|---|
| | NORMAL |
| | LESS SEVERE |
| | EXTRAORDINARY |
| | LOOK-AHEAD |

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2000 | 191 | 14,272 | 4,199 | 0 | 0 | 42,465 | 0 | 0 | 0 | 131,644 | 568,685 | 2,471 | 763,926 |
| 2001 | 0 | 1,345 | 0 | 8,093 | 0 | 0 | 0 | 0 | 32,901 | 29,267 | 178,620 | 5,771 | 255,997 |
| 2002 | 13,387 | 13,006 | 18,052 | 14,208 | 0 | 17,189 | 106,267 | 8,639 | 17,043 | 65,734 | 29,017 | 0 | 302,541 |
| 2003 | 3,154 | 0 | 7,030 | 16,752 | 0 | 26,507 | 0 | 0 | 39,643 | 81,222 | 6,562 | 5,291 | 186,160 |
| 2004 | 20,288 | 26,024 | 51,884 | 160,612 | 1,910 | 0 | 9,960 | 19,988 | 7,120 | 25,367 | 7,279 | 5,767 | 336,197 |
| 2005 | 491 | 0 | 3,970 | 14,345 | 0 | 0 | 0 | 81,426 | 0 | 0 | 1,521 | 3,157 | 104,910 |
| 2006 | 3,528 | 1,793 | 6,962 | 14,387 | 47,055 | 0 | 0 | 0 | 0 | 907 | 0 | 0 | 74,632 |
| 2007 | 36,155 | 7,060 | 285,048 | 105,492 | 253,991 | 0 | 0 | 9,716 | 5,620 | 11,281 | 16,732 | 26,815 | 757,910 |
| 2008 | 16,635 | 12,378 | 21,914 | 5,831 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 56,759 |
| 2009 | 0 | 602 | 14,739 | 49,189 | 0 | 0 | 0 | 0 | 16,112 | 219,048 | 98,854 | 53,721 | 452,264 |
| 2010 | 163,634 | 266,805 | 42,032 | 44,035 | 0 | 0 | 26,933 | 0 | 105,536 | 0 | 0 | 1,254 | 650,229 |
| 2011 | 8,789 | 1,916 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11 | 0 | 1,275 | 11,991 |
| 2012 | 14,591 | 73,502 | 127,079 | 7,685 | 45,248 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 268,105 |
| 2013 | 6,147 | 0 | 0 | 11,694 | 22,012 | 0 | 5,279 | 0 | 13,329 | 49,089 | 27,688 | 13,464 | 148,701 |
| 2014 | 2,469 | 2,018 | 0 | 0 | 56,897 | 8,117 | 0 | 0 | 0 | 0 | 10,988 | 0 | 80,489 |
| 2015 | 17,560 | 7,291 | 25,534 | 14,476 | 503,075 | 100,201 | 121,722 | 0 | 0 | 80,560 | 81,084 | 109,123 | 1,060,624 |
| 2016 | 34,591 | 18,661 | 133,304 | 192,742 | 206,352 | 0 | 0 | 48,640 | 34,438 | 13,921 | 90,720 | 22,142 | 795,510 |
| 2017 | 620 | 937 | 6,473 | 5,221 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,142 | 17,392 |
| 2018 | 0 | 10,488 | 6,202 | 0 | 0 | 0 | 0 | 0 | 108,527 | 642,906 | 2,298 | 0 | 770,421 |
| 2019 | 0 | 4,180 | 6,276 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,277 | 4,764 | 19,496 |
| 2020 | 11,738 | 11,225 | 87,053 | 43,491 | 0 | 0 | 0 | 0 | 9,529 | 0 | 0 | 3,423 | 166,459 |
| 2021 | 5,021 | 9,380 | 6,422 | 2,819 | 100,701 | 74,161 | 12,805 | 0 | 0 | 19,753 | 3,568 | 3,535 | 238,165 |
| 2022 | 0 | 2,100 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6,577 | 735 | 9,411 |
| 2023 | 0 | 0 | 0 | 0 | 14,287 | 0 | 0 | 0 | 0 | 40,049 | 2,041 | 64 | 56,440 |

# Next Steps

- **Responses to comments from the previous meeting, the WAM, Results Summary and Monthly Output will be posted later this week**
- **Comment period open throughout the update process**
  - Submit comments related to this meeting to **LCRAWMP@lcra.org** by July 18
- **Staff available to meet upon request**
- **Fourth participant meeting: Aug. 26**
  - Continue reviewing preliminary modeling results

# Timeline

| | |
|---|---|
| **March 27, 2025** | First participant meeting |
| **April 23, 2025** | Second participant meeting |
| **June 25, 2025** | Third participant meeting |
| **Aug. 26, 2025** | Fourth participant meeting |
| **Sept. 23, 2025*** | Fifth participant meeting |
| **October 2025** | Sixth participant meeting |
| **January 2026** | Present staff recommendation on WMP updates to LCRA Board |
| **Spring 2026** | Request LCRA Board approval |
| **Summer 2026** | Submit to TCEQ for approval |

*Tentative date

# Questions?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