

***PEACE RIVER MANASOTA REGIONAL WATER SUPPLY AUTHORITY  
BOARD OF DIRECTORS MEETING  
April 1, 2026***

**ROUTINE STATUS REPORTS  
ITEM 1**

**Hydrologic Conditions Report**

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**Project Status Report**

**Project:** Hydrologic Conditions Report

**Date:** April 1, 2026

**Prepared By:** Kris Ramon, Project Manager III – Water Resources & Planning

This memorandum summarizes rainfall, surface water conditions, and the Authority’s current water storage and supply conditions for the month of February, and the preceding 13-month period.

**Rainfall Conditions & Projections**

**Table 1** summarizes rainfall conditions for the 13-month period from February 1, 2025, through February 28, 2026. Rainfall in the Peace River Basin for the past 12-months totaled 40.59 inches, which is 11.71 inches below the long-term historical average of 52.30 inches. Rainfall for the month of February 2026 totaled 1.63 inches, a value 0.87 inches below the historical monthly average of 2.50 inches for February.

**Table 1 (Peace River Basin Rainfall - Inches)**

Month	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25	Aug-25	Sep-25	Oct-25	Nov-25	Dec-25	Jan-26	Feb-26	12 Mo Total
Historical Avg Rainfall <sup>1</sup>	2.50	2.90	2.50	4.00	8.40	8.10	7.70	7.30	3.10	1.70	1.90	2.20	2.50	52.30
Actual Rainfall <sup>2</sup>	2.07	0.64	0.37	8.82	6.81	7.47	6.06	4.33	2.20	0.30	1.14	0.82	1.63	40.59
Diff. Historical vs Actual	-0.43	-2.26	-2.13	4.82	-1.59	-0.63	-1.64	-2.97	-0.90	-1.40	-0.76	-1.38	-0.87	-11.71

<sup>1</sup> Historical rainfall data are the long-term average of the Winter Haven, Bowling Green, and Joshua at Nocatee Rainfall Stations.

<sup>2</sup> Actual rainfall data are average values for the Winter Haven, Bowling Green, and Joshua at Nocatee Rainfall Stations.

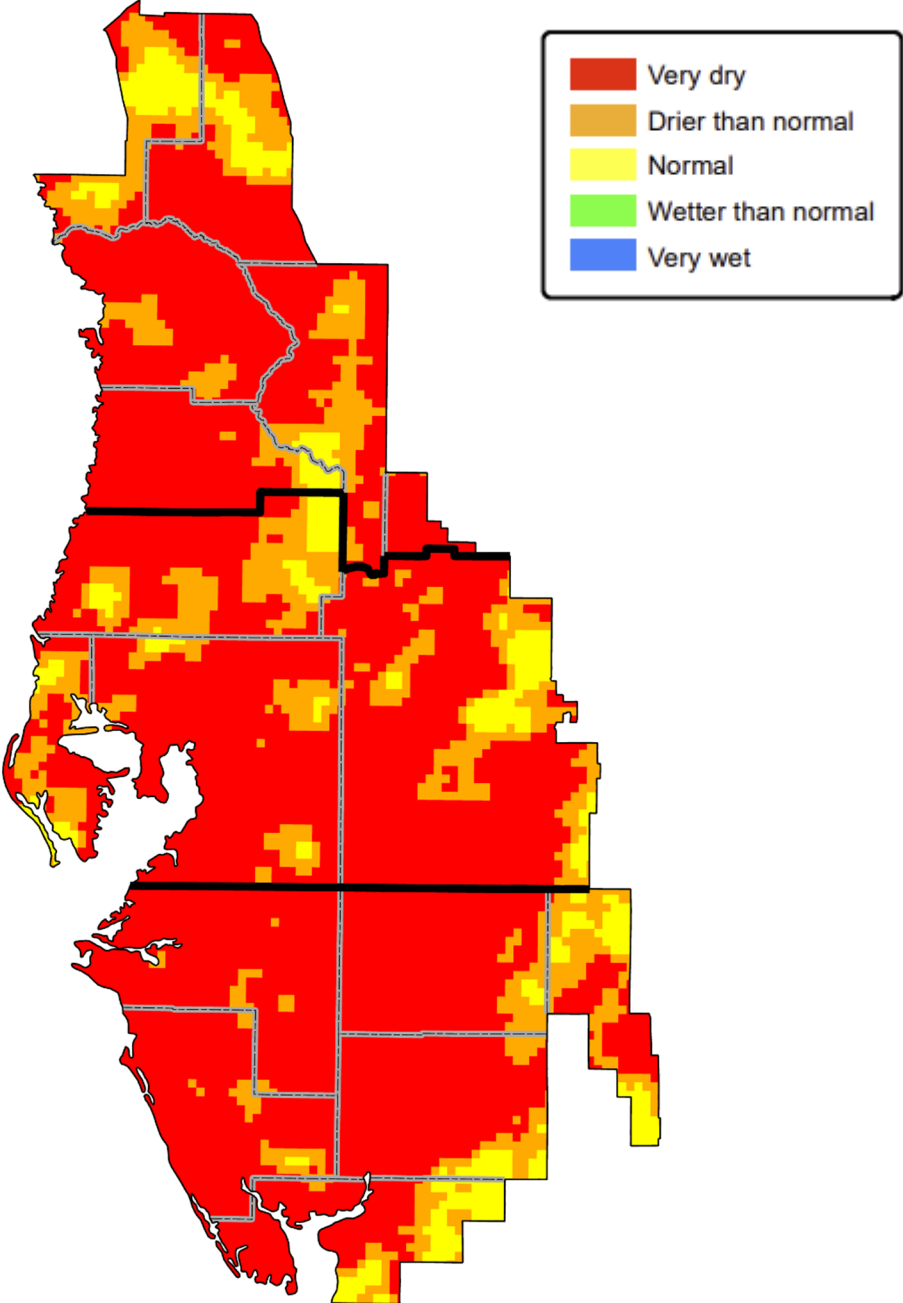
**Figure 1** provides region-wide rainfall conditions as reported by SWFWMD for the 12-month period ending February 2026. Data shown for the Authority’s 4-county service area indicates drier than normal to very dry conditions for most of Manatee County, and normal to very dry conditions for most of Charlotte, Sarasota and DeSoto Counties. The overall inland Peace River Basin indicates normal to very dry conditions from Polk to DeSoto Counties over the last 12 months.

NOAA projections for the next three months (March 2026 - May 2026) are leaning above normal temperatures and equal chances above/below normal rainfall for Southwest Florida. A transition from La Nina to ENSO-neutral is expected in February - April 2026 (60% chance), with ENSO-neutral likely persisting through the Northern Hemisphere summer (56% chance in June - August 2026).

Figure 1 (SWFWMD Rainfall Conditions Map)

# Rainfall Distribution

*March 2025 through February 2026*



**River Flow Conditions**

**Figure 2** provides the locations of the three U.S. Geological Survey gauges that are used to regulate Authority withdrawals from the Peace River: 1) Peace River at Arcadia, 2) Horse Creek at Arcadia, and 3) Joshua Creek at Nocatee. Flow conditions at these gauges are discussed below:

The combined flow at the three gauges listed above was below the historical average for January 2026 and February 2026. **Figure 3** provides a hydrograph of combined flows plotted against the historical average and the 130 cfs lower limit for withdrawals.

**Figure 2 (Peace River Basin Showing Selected Gauge Locations with ★)**

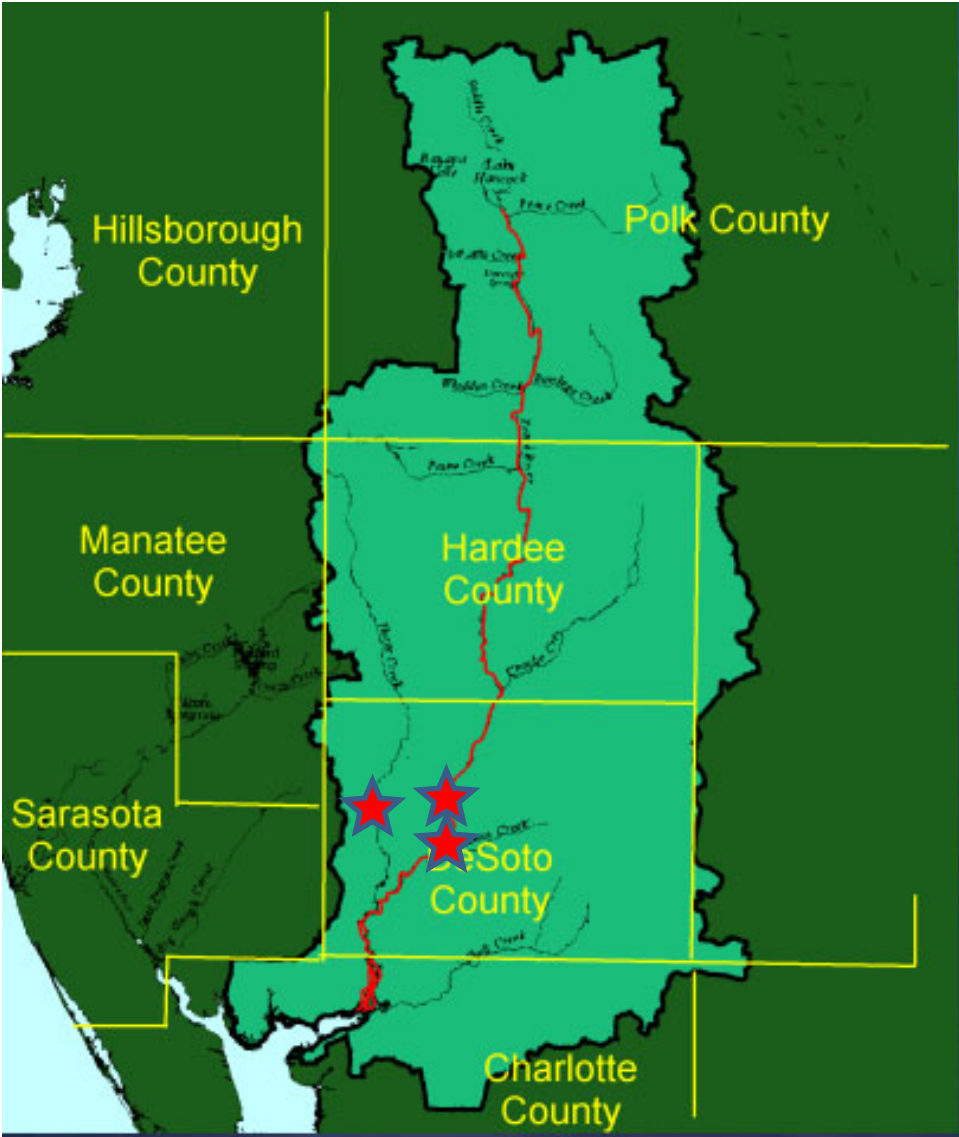
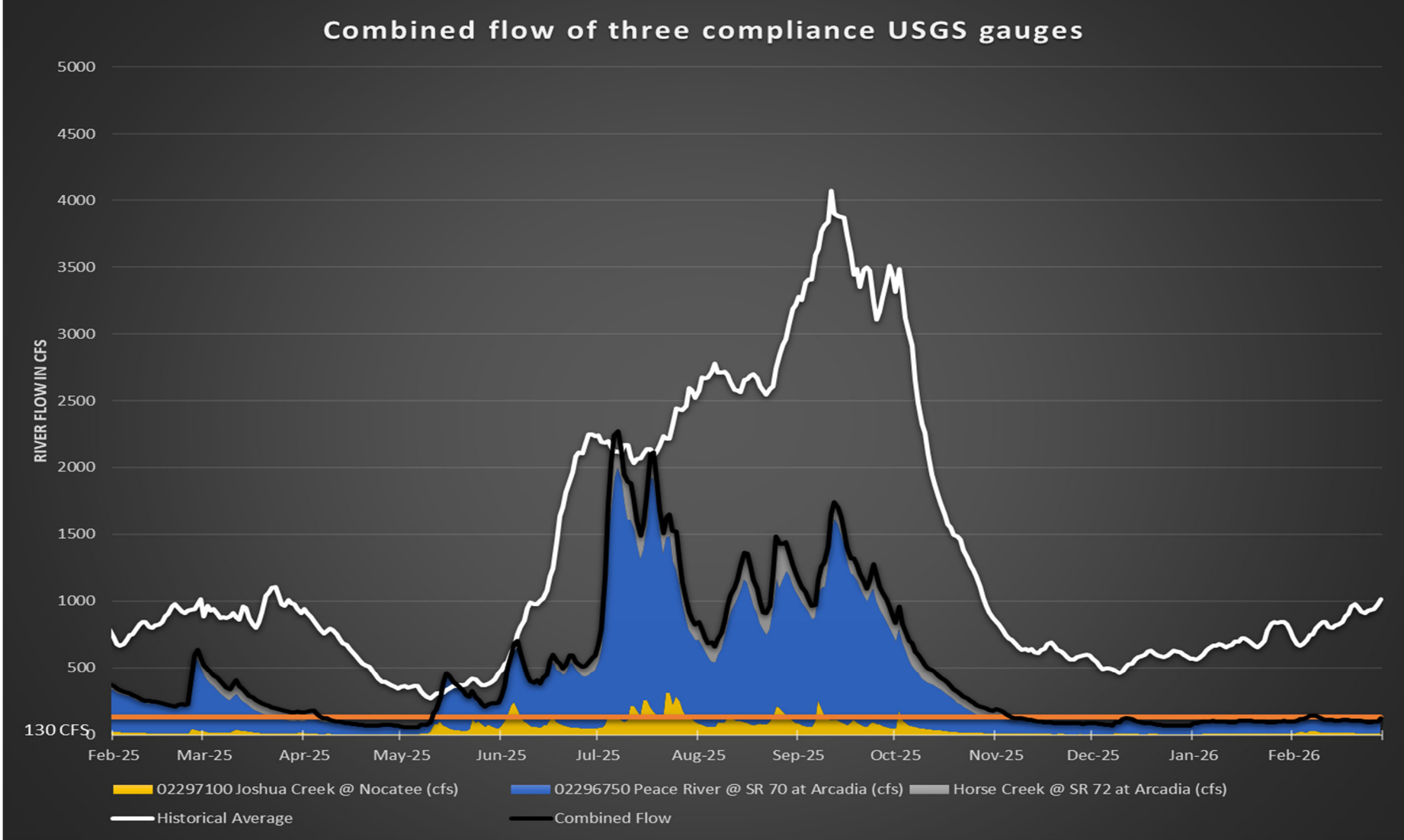


Figure 3 – HYDROGRAPH OF COMBINED FLOWS OF THREE STATIONS

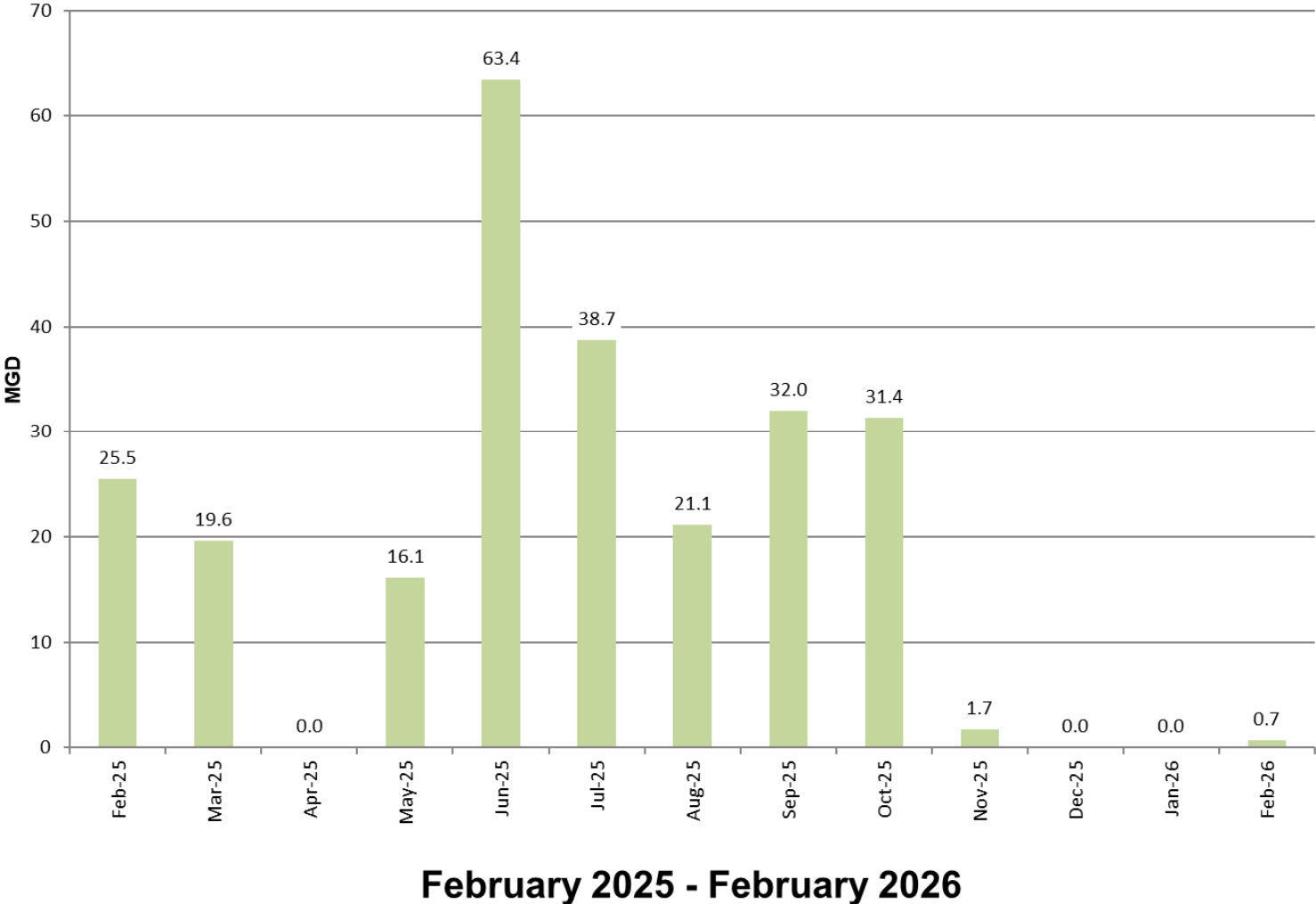


**River Withdrawals, Finished Water Production, & Demand (February 2025 – February 2026)**

**Figure 4** provides average daily river withdrawals for each of the last 13 months at the Peace River Facility in million gallons per day (MGD). Average withdrawals for February 2026 (0.7 MGD) were 24.8 MGD lower than those that occurred in February 2025 (25.5 MGD).

**Figure 4**

**Monthly Avg PRF Withdrawals from the Peace River (MGD)**

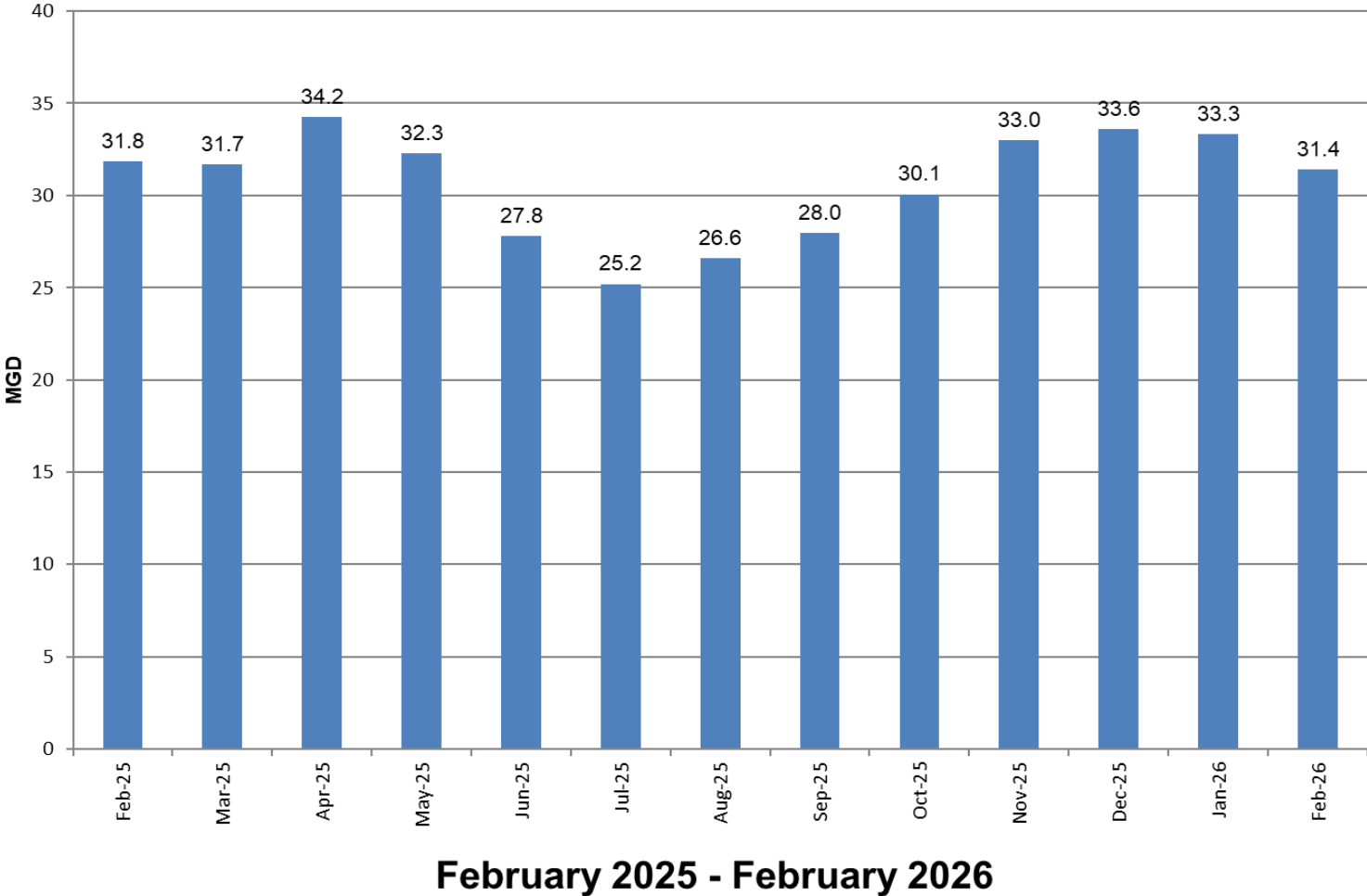


**Figure 5** shows average daily finished water distributed to the regional network for each of the last 13-months in MGD. Finished water distribution averaged 31.4 MGD in February 2026, approximately 0.4 MGD less than in February 2025.

The routine exchange of water with the City of Punta Gorda is ongoing with deliveries from the Region to the City south through the Phase 1 Pipeline on US 17 and return of flow from the City to the region north through the Phase 1A Pipeline. The exchange of water through regional pipelines maintains these facilities in a “ready-to-serve” condition at all times.

**Figure 5**

### Regional Distribution from the PRF



### Stored Supplies at the PRF

The Authority maintains two large capacity off-stream storage systems at the PRF. The primary storage is raw river water stored in Reservoir No. 1 and No. 2. When the flow in the River is high enough, a small percentage of that flow is harvested at the Authority's river intake pumping facility on the Peace River consistent with the permit-authorized diversion schedule and is stored in Reservoirs 1 and 2. Storage volumes in the reservoirs generally decline in the dry season due to lower flows and increase during the wet season as rainfall, flows, and river diversions increase. During the hurricane season the permitted total combined raw water storage capacity in Reservoirs 1 and 2 is 6.5 billion gallons (BG). Outside of hurricane season, additional water can be safely stored up to 6.8 BG. **Total raw water stored in the reservoir system as of February 28, 2026, was 3.436 BG, which was 3.248 BG less than February 2025 (6.684 BG).**

The secondary storage option at the PRF is treated water stored in the Aquifer Storage and Recovery (ASR) system. The ASR system has a design storage capacity of 6.3 BG. However, practical storage capacity is substantially higher as evidenced by the 7.669 BG stored in the ASR system as of February 28, 2026. Because this supply must be fully treated to drinking water standards before storage, it cannot be stored as rapidly as water in the raw-water reservoirs. Filling ASR storage is done incrementally each year during the wet season as excess treatment capacity (due to lower public water supply demand) and hydrologic conditions allow. Water recovered from ASR during the dry season is discharged to the surface reservoir system and undergoes full treatment again with the rest of the raw-water stream before delivery to Authority Customers.

In 2026, recovery (continued from the previous month) from the ASR system began January 1 and continued through February 28, for a total of 822 MG. **Total ASR system storage as of February 28, 2026, was 7.669 BG (1.369 BG greater than design storage capacity), and 1.14 BG less than February 2025 (8.809 BG).**

Stored raw water supplies (combined storage in Reservoir No. 1 and No. 2) and stored water in the ASR system for the past year are shown in **Figure 6**. **The total water in storage as of February 28, 2026, was approximately 11.105 BG, approximately 4.388 BG less than total storage in February 2025 (15.493 BG).**

Figure 6

