

TEXAS WATER DEVELOPMENT BOARD

P.O. BOX 13231, CAPITOL STATION

AUSTIN, TX 78711-3231

2025 WATER AUDIT REPORT

General Information

A. Water Utility General Information

1. Water Utility Name: CROWN MOUNTAIN WSC

1a. Regional Water Planning Area: J

☐ Having more than 3,300 connections

☐ Having received financial assistance from TWDB

☒ Every five years

1b. Address: PO BOX 305

CAMP WOOD, TX 78833-0305

2. Contact Information

2a. Auditor Name: Adria Schreiber-Garza

Have you completed Water Loss Auditor Training?

2b. Telephone Number: (830) 499-1105

☒ Yes

2c. Email Address: secy.cmwsc@gmail.com

☐ No

3. Reporting Period:

3a. Start Date: 01/01/2025

3b. End Date: 12/31/2025

4. Source Water Utilization:

4a. Surface Water: 0.00 %

4b. Ground Water: 100.00 %

5. Retail Population Served:

47

6. Length of Mains LM:

18.86 miles

7. Total Retail Metered Connections - Active and Inactive:

47

8. Service Connections SC:

47

9. Service Connection Density:

2.49 connections per mile

10. Average Operating Pressure AOP:

52.00 psi

11. Volume Units of Measure:

Gallons

Input and Consumption

B. System Input Volume

12. Volume of Water Intake: 5,658,300 gallons

13. Volume Treated VT: 2,262,779 gallons

13a. Volume Treated Meter Accuracy VTMA: 98.00 %

13b. Corrected Volume Treated: 2,308,958 gallons

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14. Treated Purchased TP:	0	gallons
14a. Treated Purchased Meter Accuracy TPMA:	0.00	%
14b. Corrected Treated Purchased:	0	gallons
15. Treated Sales (Wholesale) TS:	0	gallons
15a. Treated Sales Meter Accuracy TSMA:	0.00	%
15b. Corrected Treated Sales:	0	gallons
15c. Percent of Treated Sales Transported through the Treated Distribution System:	0	%
16. Total System Input Volume: Line 13b + Line 14b - Line 15b	2,308,958	gallons

C. Authorized Consumption

17. Billed Metered BMAC:	1,378,536	gallons
18. Billed Unmetered BUAC:	0	gallons
19. Unbilled Metered UMAC:	18,004	gallons
20. Unbilled Unmetered UUAC:	3,446	gallons
21. Total Authorized Consumption:	1,399,986	gallons

D. Water Loss

22. Water Loss: Line 16 - Line 21	908,972	gallons
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E. Apparent Loss

23. Customer Meter Accuracy CMA:	89.00	%
24. Customer Meter Accuracy Loss:	170,381	gallons
25. Systematic Data Handling Errors SDHE:	3,446	gallons
26. Unauthorized Consumption UC:	3,446	gallons
27. Total Apparent Loss:	177,273	gallons

F. Real Loss

28. Reported Breaks and Leaks:	0	gallons
29. Unreported Loss:	731,699	gallons
30. Total Real Loss: Line 28 + Line 29	731,699	gallons
31. Total Water Loss: Line 27 + Line 30	908,972	gallons
32. Non-Revenue Water: Line 31 + Line 19 + Line 20	930,422	gallons

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Water Loss KPIs**G. Technical Performance Indicator for Apparent Loss**

33. Apparent Loss per Connection per Day: 10.33 gallons
Line 27 / Line 8 / 365

H. Technical Performance Indicators for Real Loss

34. Total Real Loss: 731,699 gallons
Line 30

35. Unavoidable Annual Real Loss (UARL): 0 gallons
 $(5.41 * \text{Line 6} + (\text{Line 8} * 0.15)) * 365 * \text{Line 10}$

36. Infrastructure Leakage Index (ILI): 0.00 gallons
Line 34 / Line 35

37. Real Loss per Connection per Day: 42.65 gallons
Line 34 / Line 8 / 365

38. Real Loss per Mile per Day: 106.29 gallons
Line 34 / Line 6 / 365

I. Technical Performance Indicator for Water Loss

39. Total Water Loss per Connection per Day: 52.99 gallons
Line 22 / Line 8 / 365

J. Financial Performance Indicators

40. Total Apparent Loss: 177,273 gallons
Line 27

41. Retail Price of Water RPW: 0.02918 \$ per gallon

42. Cost of Apparent Loss: \$5,173
Line 40 x Line 41

43. Total Real Loss: 731,699 gallons
Line 30

44. Variable Production Cost VPC: 0.003752 \$ per gallon

45. Cost of Real Loss: \$2,745
Line 43 x Line 44

46. Total Cost of Water Loss: \$7,918
Line 42 + Line 45

K. Gallons per Capita per Day (GPCD) for Water Conservation Planning

47. GPCD Input: 135
Line 16 / Line 5 / 365

48. GPCD Loss: 53

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Line 31 / Line 5 / 365

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Assessment Report

Length of Mains LM =	3
Service Connections SC =	5
Average Operating Pressure AOP =	6
Volume Treated VT =	4
Volume Treated Meter Accuracy VTMA =	4
Treated Purchased TP =	0
Treated Purchased Meter Accuracy TPMA =	0
Treated Sales TS =	0
Treated Sales Meter Accuracy TSMA =	0
Billed Metered Authorized Consumption BMAC =	8
Billed Unmetered Authorized Consumption BUAC =	0
Unbilled Metered Authorized Consumption UMAC =	2
Unbilled Unmetered Authorized Consumption UUAC =	3
Customer Meter Accuracy CMA =	2
Systematic Data Handling Errors SDHE =	3
Unauthorized Consumption UC =	3
Retail Price of Water RPW =	9
Variable Production Cost VPC =	8

Final Assessment Score =

51

PRIORITY AREAS FOR ATTENTION TO IMPROVE DATA VALIDITY

Based on the information provided, audit reliability can be most improved by addressing the following components:
