

Anderson-Cottonwood Irrigation District Operations Report

September 12, 2025 – October 9, 2025

Lateral 29

36" valve from the main canal

29 main	- 359 acres
29.1	- 232 acres
<u>29.2</u>	<u>- 295 acres</u>
Total	886 acres

Rotation Length – 16 days (best)

2019 – 13.5-14 day Rotation
Total Acres – 768 Acres

Operations

Main Valve

- Full open entire season
- (First rotation first two customer receives the full head to start the rotation)
- Split 3 ways
- When one leg comes off, available water is shifted back to top customer one valve at a time
- When all 3 legs are complete, the first customer finishes irrigation with the full head
- Restart rotation

2024/2025 off season

District repaired two substantial water loss issues

1. Lateral 29 main siphon - clogged
2. Lateral 29 main – capacity – Suther

Both improved water deliveries for the lateral

2025 in season repair

District identified and repaired another water loss

- Lonetree to Duck lane siphon

2025 irrigation season

District Staff has identified capacity and water loss issues
(previously discussed)

Turning water down

- District relies on customers to pass the water down on time
- Savings in payroll cost
- Common untimely turn over extends schedule
- Water Operator gets a call to verify system alignment
- Water Operator adjust schedule for any time lost

Dynamic Landscape/Inefficiencies

“Rule of Thumb”-5cfs irrigates 1 acre in 1 hour

- This calculation correlates to the amount of water delivered
 - 5cfs irrigates 10 acres in 10 hours
 - 10 cfs irrigates 10 acres in 5 hours

From Point of Delivery

- Every property irrigates differently
- Properties may not be as efficient as the calculations are intended
- Some properties require more time than others to get fully irrigated
- Private and District conveyance have some level of inefficiency

Inefficiencies take part in extending the schedule

- Not every landowner is financially capable to level and check their fields

Monitoring Irrigation

“Get irrigated and move it down”

- Each customer is allotted an irrigation time in correlation with the acreage purchased
- Not all properties require the full allotment
- (Example) With a higher level of monitoring, customers that are allotted 5 hours could potentially be done in 3 hours
- Once the water reaches a certain point on the property, the water will continue to run after it is turned over.
- Monitoring irrigation and turning over when irrigated may speed up the schedule by making up any travel time
- With a consistent head of water, through trial and error, one can figure the actual time it takes to get irrigated

Charge Time

The time it takes to fill the ditch in between sections or customer

- Consumes a certain percentage of schedule
 - Added to next customers irrigation time
- (example) 2hrs charge +10hrs irrigation = 12hours

Total charge time on schedule – **26 hours**

Additional Acreage

Since 2020 – 36 acres have been added to the rotation

How do we improve?

Working Together

- Higher level of oversight by both District and Irrigator
- Courtesy call from Water Operator to ensure timely turnover
- Higher level of monitoring and communication between Irrigator and Water Operator
- Improve inefficiencies – District and Private

Extreme - Water Operator opens and closes every gate from District facility

Staff Work

- Replacing slide gates and waterman valves
- Sealing leaks throughout the system
- Vegetation Management
- Pipe installation
- Reshape/compact ditches and canal banks
- Valve inspections
- Ditch bank improvements
- Water efficiency repairs

Water Report

Sacramento River – 7100cfs

Main Canal – 143 cfs

Churn Creek – 55cfs (rotation ending 10/18)

Lateral – 3, 5, 17, 19, 21, 27, 29, 33, MC users along Trefoil, 41, 49 and south end will run until water is unavailable

Lateral – 1, 9, 11, 15.5, 23, 35, 37(off10/11), MC users, Done for the season

Shut Down

- Water is moving faster
- Weather is changing
- Customers are passing
- Water Operators are hard time finding people to take water
- Bowman Road is almost to a 7-day rotation
- Weather is changing
- Unsettled weather next week
- Consensus of customers is “we will take it but we are wet”

Recommended Shut Down

Main Canal

Monday, 10/13/25

Let the canal run down

**Not confident we will make it to
Friday, 10/17/25**

Churn Creek 10/18/2025_(or sooner)

OVERALL

2025 started out rough

- **worked through the issues.**
- **Identified other issues**

BOTTOM LINE

- **we got everyone irrigated**

Looking forward to off season repairs.

“Make an adjustment and run the water”