



2019 Salt River Siphon Outage

CAP has conducted an analysis of our system and determined the volume of water that can be made available during the 6-week Salt River Siphon outage. The available volume is dependent on:

- Initial filling depth (and corresponding volume)
- How far down the canal is drawn during the outage
- Losses due to evaporation

In preparation for the outage, CAP will fill all pools downstream of the siphon to the top of the canal lining. A pool in the CAP system is defined as the section of canal between check structures or pumping plants and is identified by the downstream check structure or pumping plant. Pools upstream of Brady Pumping Plant will be drawn down to 8 feet and pools downstream of Brady Pumping Plant will be drawn down to 7 feet. The Lower Raw Water Impoundment will be drawn down to 5.5 feet and the Black Mountain Operating Reservoir will be drawn down to 6 feet. Evaporation was assumed to be roughly 7.7% of the initial volume.

The figures below show the volume available in each pool. The first figure shows all turnouts in Segment 4 as orange squares on the diagram. The second figure designates Segments 5 through 10, the Lower Raw Water Impoundment, and the Black Mountain Operating Reservoir. Note that each customer will only be able to take water through their existing turnout or pump as long as the turnout/pump has an intake depth below the water level.

The minimum depths provided reflect minimum depths at the check structures at the downstream end of the pool, but there will be locations upstream of the checks that go below the minimum depth. If you wish to know the minimum depth at a particular location please contact:

Anna Corrigan
CAP Water Operations Department
acorrigan@cap-az.com
623-869-2629

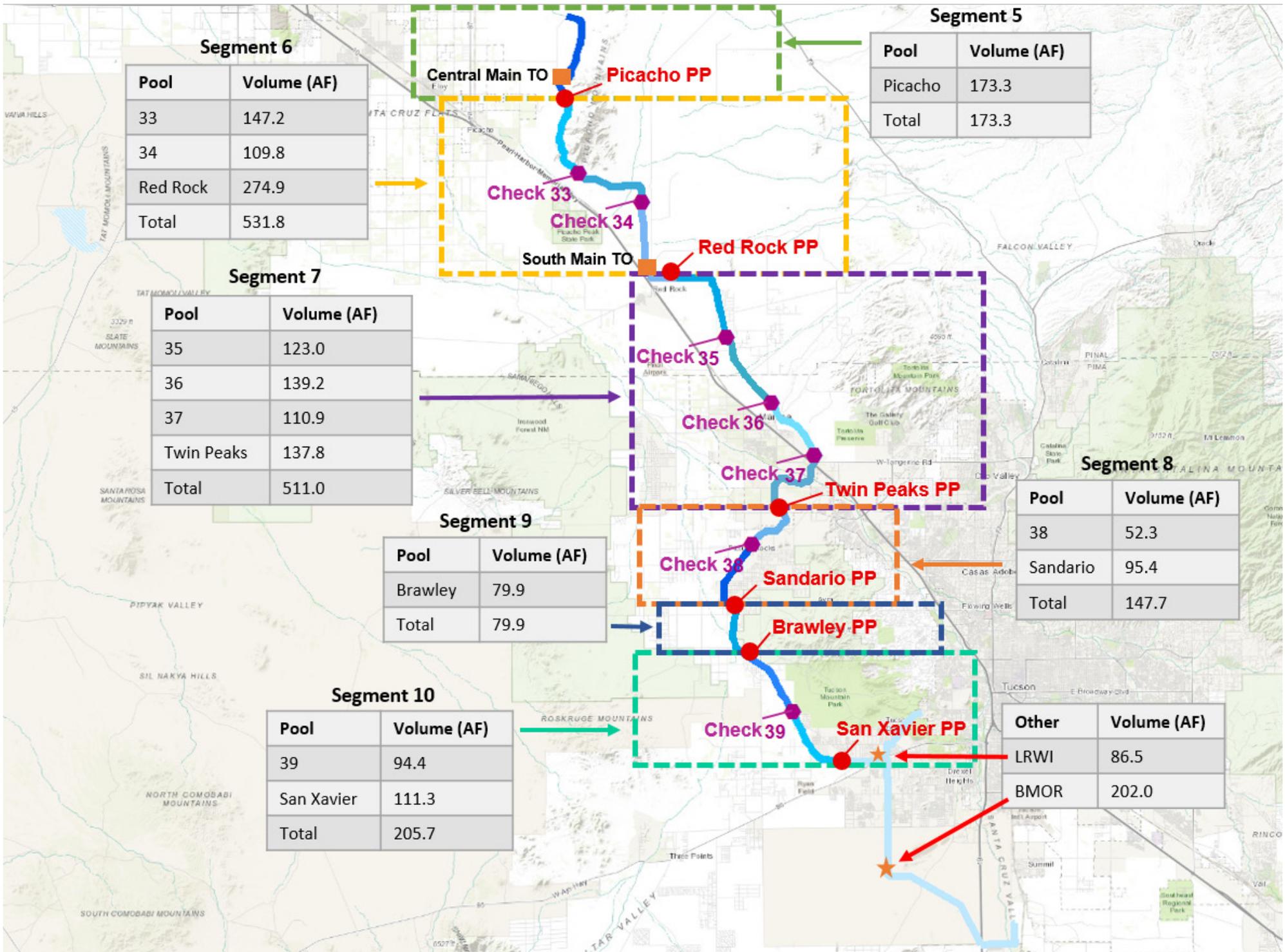
Note that customers will not be able to access water in any pool downstream of their water intake, as water cannot be moved in the upstream direction.



Segment 4

Pool	Volume (AF)
26	463.7
27	617.5
28	916.5
29	477.1
30	466.1
31	383.2
32	567.0
Brady	454.8
Total	4,345.9

RWCD TO
Mesa TO
Check 26
Mesa 2 TO
Check 27
Chandler Gilbert TO
Superstition Mountains Recharge Project TO
Queen Creek TO
New Magma 1 TO
Check 28
New Magma 2 TO
New Magma 3 TO
New Magma 4 TO
Check 29
Check 30
North Side Canal TO
Florence Canal TO
Florence Cross Cut TO
Check 31
Pima Lateral TO
Kleck Road TO
Check 32
Casa Grande Extension TO
Brady PP
Santa Rosa TO



Segment 6

Pool	Volume (AF)
33	147.2
34	109.8
Red Rock	274.9
Total	531.8

Segment 5

Pool	Volume (AF)
Picacho	173.3
Total	173.3

Segment 7

Pool	Volume (AF)
35	123.0
36	139.2
37	110.9
Twin Peaks	137.8
Total	511.0

Segment 9

Pool	Volume (AF)
Brawley	79.9
Total	79.9

Segment 8

Pool	Volume (AF)
38	52.3
Sandario	95.4
Total	147.7

Segment 10

Pool	Volume (AF)
39	94.4
San Xavier	111.3
Total	205.7

Other

Other	Volume (AF)
LRWI	86.5
BMOR	202.0