

## 2012 - average

| Allocation Reduction | GW Impact Reduction | GW Impact | Projected SW | Projected SW CBCU   | Total CBCU           | SW Lease Available | SW Lease Needed |
|----------------------|---------------------|-----------|--------------|---------------------|----------------------|--------------------|-----------------|
| None                 | 0                   | 174,000   | 117,000      | 74,000              | 248,000              | 49,000             | 4,000           |
| 1 Inch               | 3,500               | 170,500   | 120,500      | 76,500              | 247,000              | 51,500             | 3,000           |
| 2 Inch               | 5,500               | 168,500   | 122,500      | 77,500              | 246,000              | 52,500             | 2,000           |
| 3 Inch               | 9,000               | 165,000   | 126,000      | 80,000              | 245,000              | 55,000             | 1,000           |
| 4 Inch               | 12,000              | 162,000   | 129,000      | 82,000              | 244,000              | 57,000             | 0               |
| 5 Inch               | 15,000              | 159,000   | 132,000      | 84,000<br>(83,000)* | 243,000<br>(242,000) | 59,000<br>(58,000) | 0               |

SW Allotment = 83,000  
 GW Allotment = 161,000  
 Total Allotment = 244,000

\* SW Use Capped

## 2020 - average

| Allocation Reduction | GW Impact Reduction | GW Impact | Projected SW | Projected SW CBCU   | Total CBCU           | SW Lease Available | SW Lease Needed |
|----------------------|---------------------|-----------|--------------|---------------------|----------------------|--------------------|-----------------|
| None                 | 0                   | 178,000   | 108,500      | 69,000              | 247,000              | 44,000             | 10,500          |
| 1 Inch               | 4,500               | 173,500   | 113,000      | 71,500              | 245,000              | 46,500             | 8,500           |
| 2 Inch               | 8,000               | 170,000   | 116,500      | 74,000              | 244,000              | 49,000             | 7,500           |
| 3 Inch               | 13,000              | 165,000   | 121,500      | 77,000              | 242,000              | 52,000             | 5,500           |
| 4 Inch               | 17,500              | 160,500   | 125,000      | 79,500              | 240,000              | 54,500             | 3,500           |
| 5 Inch               | 22,500              | 155,500   | 130,000      | 82,500<br>(80,500)* | 238,000<br>(236,000) | 57,500<br>(55,500) | 0               |

SW Allotment = 80,500  
 GW Allotment = 156,000  
 Total Allotment = 236,500

\* SW Use Capped

## 2012 - dry

| Allocation Reduction | GW Impact Reduction | GW Impact | Projected SW | Projected SW CBCU | Total CBCU | SW Lease Available | SW Lease Needed |
|----------------------|---------------------|-----------|--------------|-------------------|------------|--------------------|-----------------|
| None                 | 0                   | 163,500   | 78,500       | 50,000            | 213,500    | 25,000             | 28,000          |
| 1 Inch               | 2,500               | 161,000   | 81,000       | 51,500            | 212,500    | 26,500             | 27,000          |
| 2 Inch               | 5,000               | 158,500   | 83,500       | 53,000            | 211,500    | 28,000             | 26,000          |
| 3 Inch               | 8,500               | 155,000   | 87,000       | 55,000            | 210,000    | 30,000             | 24,500          |
| 4 Inch               | 12,000              | 151,500   | 90,500       | 57,500            | 209,000    | 32,500             | 23,500          |
| 5 Inch               | 14,500              | 149,000   | 93,000       | 59,000            | 208,000    | 34,000             | 22,500          |

SW Allotment = 63,000  
 GW Allotment = 122,500  
 Total Allotment = 185,500

## 2020 - dry

| Allocation Reduction | GW Impact Reduction | GW Impact | Projected SW | Projected SW CBCU | Total CBCU | SW Lease Available | SW Lease Needed |
|----------------------|---------------------|-----------|--------------|-------------------|------------|--------------------|-----------------|
| None                 | 0                   | 159,500   | 70,500       | 45,000            | 204,500    | 20,000             | 27,500          |
| 1 Inch               | 4,000               | 155,500   | 74,500       | 47,500            | 203,000    | 22,500             | 26,500          |
| 2 Inch               | 8,000               | 151,500   | 78,500       | 50,000            | 201,500    | 25,000             | 25,000          |
| 3 Inch               | 12,500              | 147,000   | 83,000       | 52,500            | 199,500    | 27,500             | 23,000          |
| 4 Inch               | 17,500              | 142,000   | 88,000       | 56,000            | 198,000    | 31,000             | 21,500          |
| 5 Inch               | 21,500              | 138,000   | 92,000       | 58,500            | 196,500    | 33,500             | 20,000          |

SW Allotment = 60,000  
 GW Allotment = 117,000  
 Total Allotment = 177,000

## Description of Columns

- Allocation Reduction – Equal reduction in allocations across basin by listed amount
- GW Impact Reduction – The reduction in total GW impacts due to the Allocation Reduction
- GW Impact – The total GW CBCU, factoring in any impact reductions
- Projected SW – Projected Hardy + Cortland Canal Annual Flows, taking into account modeled trends in baseflow
- Projected SW CBCU – Based on recent relationship between gaged flows and SW CBCU, ~63.5% of Projected SW (see next slide)
- Total CBCU – Sum of GW Impacts and Projected SW CBCU
- SW Lease Available – The Projected SW CBCU minus 25 kAF to account for reservoir evap.
- SW Lease Needed – The difference between the Total CBCU and the Total Allotment (listed at bottom of each slide)