

## Rainfall Summary

### Whitewater River Watershed - July 2002 to June 2022

| Annual Rainfall (inches) |         |           |              |           |
|--------------------------|---------|-----------|--------------|-----------|
| Year *                   | Banning | PalmSprgs | DesertHotSpr | Cath City |
| 2002                     | 6.02    | 0.70      | 0.74         | 0.55      |
| 2003                     | 12.56   | 4.15      | 3.98         | 3.09      |
| 2004                     | 8.69    | 4.23      | 4.34         | 2.87      |
| 2005                     | 23.32   | 12.20     | 14.82        | 9.45      |
| 2006                     | 11.77   | 3.61      | 5.75         | 3.21      |
| 2007                     | 2.88    | 0.12      | 0.12         | 0.48      |
| 2008                     | 13.76   | 5.25      | 5.15         | 4.27      |
| 2009                     | 7.96    | 6.91      | 4.13         | 4.30      |
| 2010                     | 14.71   | 7.88      | 7.61         | 5.70      |
| 2011                     | 18.09   | 7.97      | 8.28         | 4.62      |
| 2012                     | 10.50   | 2.67      | 1.79         | 1.25      |
| 2013                     | 6.73    | 2.97      | 2.68         | 1.73      |
| 2014                     | 7.67    | 3.25      | 0.97         | 1.11      |
| 2015                     | 11.16   | 3.36      | 2.89         | 2.01      |
| 2016                     | 9.75    | 4.11      | 3.96         | 2.78      |
| 2017                     | 14.29   | 8.39      | 8.42         | 6.94      |
| 2018                     | 6.15    | 4.29      | 2.58         | 2.39      |
| 2019                     | 18.99   | 12.01     | 7.92         | 7.96      |
| 2020                     | 15.18   | 5.76      | 5.59         | 5.15      |
| 2021                     | 5.51    | 1.18      | 0.95         | 0.78      |
| 2022                     | 6.73    | 3.89      | 3.56         | 2.25      |

| Percent(%) of Normal = Current Year / Average Year |         |           |              |           |         |          |
|--|---------|-----------|--------------|-----------|---------|----------|
| Year *   | Banning | PalmSprgs | DesertHotSpr | Cath City | Mean(4) | Result   |
| 2002   | 37%     | 12%       | 15%          | 13%       | 19%     | very dry |
| 2003   | 78%     | 70%       | 80%          | 74%       | 76%     | dry      |
| 2004   | 54%     | 72%       | 87%          | 69%       | 70%     | dry      |
| 2005   | 145%    | 206%      | 296%         | 227%      | 219%    | very wet |
| 2006   | 73%     | 61%       | 115%         | 77%       | 82%     | dry      |
| 2007   | 18%     | 2%        | 2%           | 12%       | 8%      | very dry |
| 2008   | 86%     | 89%       | 103%         | 103%      | 95%     | normal   |
| 2009   | 50%     | 117%      | 83%          | 103%      | 88%     | normal   |
| 2010   | 92%     | 133%      | 152%         | 137%      | 129%    | wet      |
| 2011   | 113%    | 135%      | 166%         | 111%      | 131%    | wet      |
| 2012   | 65%     | 45%       | 36%          | 30%       | 44%     | very dry |
| 2013   | 42%     | 50%       | 54%          | 42%       | 47%     | very dry |
| 2014   | 48%     | 55%       | 19%          | 27%       | 37%     | very dry |
| 2015   | 69%     | 57%       | 58%          | 48%       | 58%     | dry      |
| 2016   | 61%     | 70%       | 79%          | 67%       | 69%     | dry      |
| 2017   | 89%     | 142%      | 168%         | 167%      | 142%    | very wet |
| 2018   | 38%     | 73%       | 52%          | 57%       | 55%     | dry      |
| 2019   | 118%    | 203%      | 158%         | 191%      | 168%    | very wet |
| 2020   | 94%     | 97%       | 112%         | 124%      | 107%    | normal   |
| 2021   | 34%     | 20%       | 19%          | 19%       | 23%     | very dry |
| 2022   | 42%     | 66%       | 71%          | 54%       | 58%     | dry      |

\* Fiscal Year = July 01 thru June 30

| Station Information |       |       |       |          |
|---------------------|-------|-------|-------|----------|
| Name                | ID No | Avg   | Years | Location |
| Banning             | 012   | 16.07 | 108   | 3S/1E-14 |
| PalmSprgs           | 142   | 5.91  | 86    | 4S/4E-15 |
| DesertHotSpr        | 057   | 5.00  | 65    | 2S/4E-25 |
| Cath City           | 034   | 4.16  | 74    | 4S/5E-33 |