



# Patterson Irrigation District

## Main River Section - Hourly Flow Averages

|              |                               |
|--------------|-------------------------------|
| <b>Start</b> | <b>08/02/2021 12:00:00 AM</b> |
| <b>End</b>   | <b>08/09/2021 12:00:00 AM</b> |

Report Generated 08/09/2021 06:00:00 AM

### PP1 Weekly Report - Hourly Average Flow (CFS)

| Date                   | PP1 Average Flow Rate (CFS) - Sontek | Amount Diverted (AF)* - Sontek | PP1 Average Flow Rate (CFS) - Sommers RQ-30 | Amount Diverted (AF)* - Sommers RQ-30 |
|------------------------|--------------------------------------|--------------------------------|---|---------------------------------------|
| 08/02/2021 12:00:00 AM | 51.2                                 | 4.2                            | 58.0  | 4.8                                   |
| 08/02/2021 01:00:00 AM | 49.8                                 | 4.1                            | 58.3  | 4.8                                   |
| 08/02/2021 02:00:00 AM | 46.9                                 | 3.9                            | 51.9  | 4.3                                   |
| 08/02/2021 03:00:00 AM | 39.7                                 | 3.3                            | 49.0  | 4.0                                   |
| 08/02/2021 04:00:00 AM | 32.3                                 | 2.7                            | 43.5  | 3.6                                   |
| 08/02/2021 05:00:00 AM | 39.9                                 | 3.3                            | 48.2  | 4.0                                   |
| 08/02/2021 06:00:00 AM | 51.2                                 | 4.2                            | 57.8  | 4.8                                   |
| 08/02/2021 07:00:00 AM | 65.3                                 | 5.4                            | 72.0  | 6.0                                   |
| 08/02/2021 08:00:00 AM | 63.3                                 | 5.2                            | 72.2  | 6.0                                   |
| 08/02/2021 09:00:00 AM | 66.1                                 | 5.5                            | 72.0  | 5.9                                   |
| 08/02/2021 10:00:00 AM | 67.0                                 | 5.5                            | 71.8  | 5.9                                   |
| 08/02/2021 11:00:00 AM | 62.0                                 | 5.1                            | 76.6  | 6.3                                   |
| 08/02/2021 12:00:00 PM | 61.2                                 | 5.1                            | 79.7  | 6.6                                   |
| 08/02/2021 01:00:00 PM | 65.5                                 | 5.4                            | 82.7  | 6.8                                   |
| 08/02/2021 02:00:00 PM | 69.6                                 | 5.7                            | 86.9  | 7.2                                   |
| 08/02/2021 03:00:00 PM | 67.0                                 | 5.5                            | 83.2  | 6.9                                   |
| 08/02/2021 04:00:00 PM | 68.1                                 | 5.6                            | 90.8  | 7.5                                   |
| 08/02/2021 05:00:00 PM | 70.1                                 | 5.8                            | 83.3  | 6.9                                   |
| 08/02/2021 06:00:00 PM | 69.7                                 | 5.8                            | 78.6  | 6.5                                   |
| 08/02/2021 07:00:00 PM | 68.3                                 | 5.6                            | 72.7  | 6.0                                   |
| 08/02/2021 08:00:00 PM | 66.5                                 | 5.5                            | 67.3  | 5.6                                   |
| 08/02/2021 09:00:00 PM | 67.4                                 | 5.6                            | 61.0  | 5.0                                   |
| 08/02/2021 10:00:00 PM | 62.7                                 | 5.2                            | 60.2  | 5.0                                   |
| 08/02/2021 11:00:00 PM | 59.7                                 | 4.9                            | 61.9  | 5.1                                   |
| 08/03/2021 12:00:00 AM | 65.2                                 | 5.4                            | 64.7  | 5.3                                   |
| 08/03/2021 01:00:00 AM | 61.6                                 | 5.1                            | 66.0  | 5.5                                   |
| 08/03/2021 02:00:00 AM | 57.5                                 | 4.7                            | 66.6  | 5.5                                   |
| 08/03/2021 03:00:00 AM | 57.1                                 | 4.7                            | 66.0  | 5.5                                   |
| 08/03/2021 04:00:00 AM | 62.8                                 | 5.2                            | 67.8  | 5.6                                   |
| 08/03/2021 05:00:00 AM | 66.5                                 | 5.5                            | 69.0  | 5.7                                   |
| 08/03/2021 06:00:00 AM | 64.2                                 | 5.3                            | 69.7  | 5.8                                   |
| 08/03/2021 07:00:00 AM | 63.3                                 | 5.2                            | 71.1  | 5.9                                   |
| 08/03/2021 08:00:00 AM | 63.4                                 | 5.2                            | 74.0  | 6.1                                   |
| 08/03/2021 09:00:00 AM | 61.6                                 | 5.1                            | 69.9  | 5.8                                   |
| 08/03/2021 10:00:00 AM | 61.2                                 | 5.1                            | 72.8  | 6.0                                   |
| 08/03/2021 11:00:00 AM | 64.3                                 | 5.3                            | 77.0  | 6.4                                   |
| 08/03/2021 12:00:00 PM | 62.7                                 | 5.2                            | 87.1  | 7.2                                   |
| 08/03/2021 01:00:00 PM | 59.2                                 | 4.9                            | 87.2  | 7.2                                   |
| 08/03/2021 02:00:00 PM | 65.2                                 | 5.4                            | 85.3  | 7.0                                   |
| 08/03/2021 03:00:00 PM | 62.6                                 | 5.2                            | 85.2  | 7.0                                   |
| 08/03/2021 04:00:00 PM | 64.0                                 | 5.3                            | 83.2  | 6.9                                   |
| 08/03/2021 05:00:00 PM | 67.2                                 | 5.6                            | 83.4  | 6.9                                   |
| 08/03/2021 06:00:00 PM | 67.9                                 | 5.6                            | 79.4  | 6.6                                   |
| 08/03/2021 07:00:00 PM | 64.8                                 | 5.4                            | 69.9  | 5.8                                   |
| 08/03/2021 08:00:00 PM | 60.8                                 | 5.0                            | 62.9  | 5.2                                   |
| 08/03/2021 09:00:00 PM | 57.6                                 | 4.8                            | 56.3  | 4.7                                   |
| 08/03/2021 10:00:00 PM | 55.6                                 | 4.6                            | 56.4  | 4.7                                   |
| 08/03/2021 11:00:00 PM | 52.2                                 | 4.3                            | 55.1  | 4.6                                   |
| 08/04/2021 12:00:00 AM | 52.8                                 | 4.4                            | 57.0  | 4.7                                   |
| 08/04/2021 01:00:00 AM | 56.4                                 | 4.7                            | 57.5  | 4.8                                   |
| 08/04/2021 02:00:00 AM | 52.7                                 | 4.4                            | 59.8  | 4.9                                   |
| 08/04/2021 03:00:00 AM | 49.2                                 | 4.1                            | 59.3  | 4.9                                   |
| 08/04/2021 04:00:00 AM | 45.6                                 | 3.8                            | 55.3  | 4.6                                   |
| 08/04/2021 05:00:00 AM | 49.4                                 | 4.1                            | 53.2  | 4.4                                   |



# Patterson Irrigation District

## Main River Section - Hourly Flow Averages

|              |                        |
|--------------|------------------------|
| <b>Start</b> | 08/02/2021 12:00:00 AM |
| <b>End</b>   | 08/09/2021 12:00:00 AM |

Report Generated 08/09/2021 06:00:00 AM

### PP1 Weekly Report - Hourly Average Flow (CFS)

| Date                   | PP1 Average Flow Rate (CFS) - Sontek | Amount Diverted (AF)* - Sontek | PP1 Average Flow Rate (CFS) - Sommers RQ-30 | Amount Diverted (AF)* - Sommers RQ-30 |
|------------------------|--------------------------------------|--------------------------------|---|---------------------------------------|
| 08/04/2021 06:00:00 AM | 53.2                                 | 4.4                            | 58.0  | 4.8                                   |
| 08/04/2021 07:00:00 AM | 51.5                                 | 4.3                            | 61.5  | 5.1                                   |
| 08/04/2021 08:00:00 AM | 49.0                                 | 4.1                            | 65.5  | 5.4                                   |
| 08/04/2021 09:00:00 AM | 50.8                                 | 4.2                            | 66.3  | 5.5                                   |
| 08/04/2021 10:00:00 AM | 56.0                                 | 4.6                            | 68.1  | 5.6                                   |
| 08/04/2021 11:00:00 AM | 58.0                                 | 4.8                            | 69.2  | 5.7                                   |
| 08/04/2021 12:00:00 PM | 55.5                                 | 4.6                            | 78.2  | 6.5                                   |
| 08/04/2021 01:00:00 PM | 56.4                                 | 4.7                            | 79.8  | 6.6                                   |
| 08/04/2021 02:00:00 PM | 66.0                                 | 5.5                            | 87.0  | 7.2                                   |
| 08/04/2021 03:00:00 PM | 63.0                                 | 5.2                            | 87.1  | 7.2                                   |
| 08/04/2021 04:00:00 PM | 63.3                                 | 5.2                            | 88.6  | 7.3                                   |
| 08/04/2021 05:00:00 PM | 65.7                                 | 5.4                            | 82.7  | 6.8                                   |
| 08/04/2021 06:00:00 PM | 64.3                                 | 5.3                            | 82.3  | 6.8                                   |
| 08/04/2021 07:00:00 PM | 64.7                                 | 5.3                            | 74.6  | 6.2                                   |
| 08/04/2021 08:00:00 PM | 64.2                                 | 5.3                            | 66.5  | 5.5                                   |
| 08/04/2021 09:00:00 PM | 63.5                                 | 5.2                            | 66.7  | 5.5                                   |
| 08/04/2021 10:00:00 PM | 61.2                                 | 5.1                            | 65.2  | 5.4                                   |
| 08/04/2021 11:00:00 PM | 63.7                                 | 5.3                            | 65.3  | 5.4                                   |
| 08/05/2021 12:00:00 AM | 63.2                                 | 5.2                            | 67.0  | 5.5                                   |
| 08/05/2021 01:00:00 AM | 57.2                                 | 4.7                            | 66.8  | 5.5                                   |
| 08/05/2021 02:00:00 AM | 57.1                                 | 4.7                            | 65.9  | 5.4                                   |
| 08/05/2021 03:00:00 AM | 62.7                                 | 5.2                            | 65.1  | 5.4                                   |
| 08/05/2021 04:00:00 AM | 61.5                                 | 5.1                            | 64.9  | 5.4                                   |
| 08/05/2021 05:00:00 AM | 58.5                                 | 4.8                            | 67.1  | 5.5                                   |
| 08/05/2021 06:00:00 AM | 55.7                                 | 4.6                            | 64.0  | 5.3                                   |
| 08/05/2021 07:00:00 AM | 57.8                                 | 4.8                            | 64.2  | 5.3                                   |
| 08/05/2021 08:00:00 AM | 61.4                                 | 5.1                            | 69.4  | 5.7                                   |
| 08/05/2021 09:00:00 AM | 58.8                                 | 4.9                            | 67.1  | 5.5                                   |
| 08/05/2021 10:00:00 AM | 57.5                                 | 4.7                            | 67.2  | 5.6                                   |
| 08/05/2021 11:00:00 AM | 60.1                                 | 5.0                            | 76.1  | 6.3                                   |
| 08/05/2021 12:00:00 PM | 64.8                                 | 5.4                            | 77.0  | 6.4                                   |
| 08/05/2021 01:00:00 PM | 63.1                                 | 5.2                            | 75.7  | 6.3                                   |
| 08/05/2021 02:00:00 PM | 63.0                                 | 5.2                            | 80.1  | 6.6                                   |
| 08/05/2021 03:00:00 PM | 63.5                                 | 5.3                            | 79.6  | 6.6                                   |
| 08/05/2021 04:00:00 PM | 62.4                                 | 5.2                            | 81.3  | 6.7                                   |
| 08/05/2021 05:00:00 PM | 61.8                                 | 5.1                            | 73.7  | 6.1                                   |
| 08/05/2021 06:00:00 PM | 61.1                                 | 5.0                            | 73.6  | 6.1                                   |
| 08/05/2021 07:00:00 PM | 62.2                                 | 5.1                            | 70.1  | 5.8                                   |
| 08/05/2021 08:00:00 PM | 60.6                                 | 5.0                            | 65.0  | 5.4                                   |
| 08/05/2021 09:00:00 PM | 56.3                                 | 4.7                            | 55.4  | 4.6                                   |
| 08/05/2021 10:00:00 PM | 54.0                                 | 4.5                            | 56.8  | 4.7                                   |
| 08/05/2021 11:00:00 PM | 58.6                                 | 4.8                            | 62.1  | 5.1                                   |
| 08/06/2021 12:00:00 AM | 58.3                                 | 4.8                            | 60.5  | 5.0                                   |
| 08/06/2021 01:00:00 AM | 52.0                                 | 4.3                            | 60.5  | 5.0                                   |
| 08/06/2021 02:00:00 AM | 51.3                                 | 4.2                            | 59.0  | 4.9                                   |
| 08/06/2021 03:00:00 AM | 57.2                                 | 4.7                            | 58.8  | 4.9                                   |
| 08/06/2021 04:00:00 AM | 53.6                                 | 4.4                            | 56.8  | 4.7                                   |
| 08/06/2021 05:00:00 AM | 46.4                                 | 3.8                            | 53.4  | 4.4                                   |
| 08/06/2021 06:00:00 AM | 54.9                                 | 4.5                            | 60.8  | 5.0                                   |
| 08/06/2021 07:00:00 AM | 56.5                                 | 4.7                            | 61.2  | 5.1                                   |
| 08/06/2021 08:00:00 AM | 53.5                                 | 4.4                            | 61.2  | 5.1                                   |
| 08/06/2021 09:00:00 AM | 50.5                                 | 4.2                            | 61.6  | 5.1                                   |
| 08/06/2021 10:00:00 AM | 49.7                                 | 4.1                            | 67.2  | 5.6                                   |
| 08/06/2021 11:00:00 AM | 47.1                                 | 3.9                            | 70.7  | 5.8                                   |



# Patterson Irrigation District

## Main River Section - Hourly Flow Averages

|              |                               |
|--------------|-------------------------------|
| <b>Start</b> | <b>08/02/2021 12:00:00 AM</b> |
| <b>End</b>   | <b>08/09/2021 12:00:00 AM</b> |

Report Generated 08/09/2021 06:00:00 AM

### PP1 Weekly Report - Hourly Average Flow (CFS)

| Date                   | PP1 Average Flow Rate (CFS) - Sontek | Amount Diverted (AF)* - Sontek | PP1 Average Flow Rate (CFS) - Sommers RQ-30 | Amount Diverted (AF)* - Sommers RQ-30 |
|------------------------|--------------------------------------|--------------------------------|---|---------------------------------------|
| 08/06/2021 12:00:00 PM | 46.4                                 | 3.8                            | 69.9  | 5.8                                   |
| 08/06/2021 01:00:00 PM | 55.3                                 | 4.6                            | 74.2  | 6.1                                   |
| 08/06/2021 02:00:00 PM | 56.4                                 | 4.7                            | 76.3  | 6.3                                   |
| 08/06/2021 03:00:00 PM | 47.8                                 | 4.0                            | 76.4  | 6.3                                   |
| 08/06/2021 04:00:00 PM | 46.0                                 | 3.8                            | 77.3  | 6.4                                   |
| 08/06/2021 05:00:00 PM | 49.6                                 | 4.1                            | 55.0  | 4.5                                   |
| 08/06/2021 06:00:00 PM | 48.5                                 | 4.0                            | 50.9  | 4.2                                   |
| 08/06/2021 07:00:00 PM | 48.1                                 | 4.0                            | 50.2  | 4.1                                   |
| 08/06/2021 08:00:00 PM | 48.7                                 | 4.0                            | 50.6  | 4.2                                   |
| 08/06/2021 09:00:00 PM | 46.9                                 | 3.9                            | 42.7  | 3.5                                   |
| 08/06/2021 10:00:00 PM | 46.2                                 | 3.8                            | 46.7  | 3.9                                   |
| 08/06/2021 11:00:00 PM | 45.4                                 | 3.8                            | 47.0  | 3.9                                   |
| 08/07/2021 12:00:00 AM | 43.7                                 | 3.6                            | 49.2  | 4.1                                   |
| 08/07/2021 01:00:00 AM | 44.1                                 | 3.6                            | 51.0  | 4.2                                   |
| 08/07/2021 02:00:00 AM | 42.2                                 | 3.5                            | 52.7  | 4.4                                   |
| 08/07/2021 03:00:00 AM | 45.1                                 | 3.7                            | 52.0  | 4.3                                   |
| 08/07/2021 04:00:00 AM | 43.0                                 | 3.6                            | 46.8  | 3.9                                   |
| 08/07/2021 05:00:00 AM | 42.8                                 | 3.5                            | 46.8  | 3.9                                   |
| 08/07/2021 06:00:00 AM | 41.1                                 | 3.4                            | 47.8  | 3.9                                   |
| 08/07/2021 07:00:00 AM | 39.9                                 | 3.3                            | 48.0  | 4.0                                   |
| 08/07/2021 08:00:00 AM | 40.5                                 | 3.3                            | 50.2  | 4.1                                   |
| 08/07/2021 09:00:00 AM | 41.7                                 | 3.4                            | 51.7  | 4.3                                   |
| 08/07/2021 10:00:00 AM | 41.7                                 | 3.4                            | 50.9  | 4.2                                   |
| 08/07/2021 11:00:00 AM | 38.9                                 | 3.2                            | 50.9  | 4.2                                   |
| 08/07/2021 12:00:00 PM | 42.9                                 | 3.5                            | 51.9  | 4.3                                   |
| 08/07/2021 01:00:00 PM | 38.8                                 | 3.2                            | 49.3  | 4.1                                   |
| 08/07/2021 02:00:00 PM | 36.3                                 | 3.0                            | 49.5  | 4.1                                   |
| 08/07/2021 03:00:00 PM | 38.4                                 | 3.2                            | 50.0  | 4.1                                   |
| 08/07/2021 04:00:00 PM | 44.7                                 | 3.7                            | 54.5  | 4.5                                   |
| 08/07/2021 05:00:00 PM | 43.8                                 | 3.6                            | 49.8  | 4.1                                   |
| 08/07/2021 06:00:00 PM | 40.4                                 | 3.3                            | 49.4  | 4.1                                   |
| 08/07/2021 07:00:00 PM | 40.0                                 | 3.3                            | 49.5  | 4.1                                   |
| 08/07/2021 08:00:00 PM | 41.6                                 | 3.4                            | 45.1  | 3.7                                   |
| 08/07/2021 09:00:00 PM | 41.2                                 | 3.4                            | 44.7  | 3.7                                   |
| 08/07/2021 10:00:00 PM | 40.8                                 | 3.4                            | 47.5  | 3.9                                   |
| 08/07/2021 11:00:00 PM | 41.6                                 | 3.4                            | 47.0  | 3.9                                   |
| 08/08/2021 12:00:00 AM | 43.0                                 | 3.6                            | 42.0  | 3.5                                   |
| 08/08/2021 01:00:00 AM | 43.3                                 | 3.6                            | 41.2  | 3.4                                   |
| 08/08/2021 02:00:00 AM | 39.2                                 | 3.2                            | 41.3  | 3.4                                   |
| 08/08/2021 03:00:00 AM | 33.8                                 | 2.8                            | 40.3  | 3.3                                   |
| 08/08/2021 04:00:00 AM | 33.0                                 | 2.7                            | 41.5  | 3.4                                   |
| 08/08/2021 05:00:00 AM | 36.6                                 | 3.0                            | 42.7  | 3.5                                   |
| 08/08/2021 06:00:00 AM | 40.7                                 | 3.4                            | 46.7  | 3.9                                   |
| 08/08/2021 07:00:00 AM | 41.9                                 | 3.5                            | 47.9  | 4.0                                   |
| 08/08/2021 08:00:00 AM | 38.9                                 | 3.2                            | 51.6  | 4.3                                   |
| 08/08/2021 09:00:00 AM | 38.1                                 | 3.1                            | 50.2  | 4.2                                   |
| 08/08/2021 10:00:00 AM | 38.5                                 | 3.2                            | 37.6  | 3.1                                   |
| 08/08/2021 11:00:00 AM | 42.8                                 | 3.5                            | 31.8  | 2.6                                   |
| 08/08/2021 12:00:00 PM | 41.6                                 | 3.4                            | 35.8  | 3.0                                   |
| 08/08/2021 01:00:00 PM | 38.3                                 | 3.2                            | 27.8  | 2.3                                   |
| 08/08/2021 02:00:00 PM | 48.4                                 | 4.0                            | 46.3  | 3.8                                   |
| 08/08/2021 03:00:00 PM | 52.5                                 | 4.3                            | 61.1  | 5.1                                   |
| 08/08/2021 04:00:00 PM | 51.6                                 | 4.3                            | 63.9  | 5.3                                   |
| 08/08/2021 05:00:00 PM | 51.7                                 | 4.3                            | 45.7  | 3.8                                   |



# Patterson Irrigation District

## Main River Section - Hourly Flow Averages

|              |                               |
|--------------|-------------------------------|
| <b>Start</b> | <b>08/02/2021 12:00:00 AM</b> |
| <b>End</b>   | <b>08/09/2021 12:00:00 AM</b> |

Report Generated 08/09/2021 06:00:00 AM

### PP1 Weekly Report - Hourly Average Flow (CFS)

| Date                            | PP1 Average Flow Rate (CFS) - Sontek | Amount Diverted (AF)* - Sontek | PP1 Average Flow Rate (CFS) - Sommers RQ-30 | Amount Diverted (AF)* - Sommers RQ-30 |
|---------------------------------|--------------------------------------|--------------------------------|---|---------------------------------------|
| 08/08/2021 06:00:00 PM          | 51.6                                 | 4.3                            | 52.3  | 4.3                                   |
| 08/08/2021 07:00:00 PM          | 52.6                                 | 4.3                            | 58.3  | 4.8                                   |
| 08/08/2021 08:00:00 PM          | 52.0                                 | 4.3                            | 55.3  | 4.6                                   |
| 08/08/2021 09:00:00 PM          | 52.9                                 | 4.4                            | 56.0  | 4.6                                   |
| 08/08/2021 10:00:00 PM          | 52.1                                 | 4.3                            | 53.5  | 4.4                                   |
| 08/08/2021 11:00:00 PM          | 48.4                                 | 4.0                            | 49.7  | 4.1                                   |
| <b>Average Flow:</b>            | <b>53.65</b>                         | <b>744.88</b>                  | <b>62.09</b>                                | <b>862.06</b>                         |
| <b>Dataset Device Utilized:</b> | <b>SONTEK SL</b>                     | <b>SONTEK SL</b>               | <b>SOMMERS RQ-30</b>                        | <b>SOMMERS RQ-30</b>                  |

\*Amount diverted is calculated using the average hourly flow rate in CFS.