



# Patterson Irrigation District

## Main River Section - Hourly Flow Averages

|       |                        |
|-------|------------------------|
| Start | 09/06/2021 12:00:00 AM |
| End   | 09/13/2021 12:00:00 AM |

Report Generated 09/13/2021 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 |
|------------------------|--------------------------------------|--------------------------------|---------------------------------------------|---------------------------------------|
| 09/06/2021 12:00:00 AM | 22.7                                 | 1.9                            | 31.9                                        | 2.6                                   |
| 09/06/2021 01:00:00 AM | 20.4                                 | 1.7                            | 31.8                                        | 2.6                                   |
| 09/06/2021 02:00:00 AM | 26.3                                 | 2.2                            | 30.0                                        | 2.5                                   |
| 09/06/2021 03:00:00 AM | 30.9                                 | 2.6                            | 31.1                                        | 2.6                                   |
| 09/06/2021 04:00:00 AM | 30.6                                 | 2.5                            | 34.3                                        | 2.8                                   |
| 09/06/2021 05:00:00 AM | 29.7                                 | 2.5                            | 35.3                                        | 2.9                                   |
| 09/06/2021 06:00:00 AM | 33.5                                 | 2.8                            | 41.0                                        | 3.4                                   |
| 09/06/2021 07:00:00 AM | 40.7                                 | 3.4                            | 44.2                                        | 3.7                                   |
| 09/06/2021 08:00:00 AM | 41.6                                 | 3.4                            | 47.9                                        | 4.0                                   |
| 09/06/2021 09:00:00 AM | 44.2                                 | 3.7                            | 54.2                                        | 4.5                                   |
| 09/06/2021 10:00:00 AM | 43.0                                 | 3.6                            | 59.2                                        | 4.9                                   |
| 09/06/2021 11:00:00 AM | 43.9                                 | 3.6                            | 57.4                                        | 4.7                                   |
| 09/06/2021 12:00:00 PM | 41.8                                 | 3.5                            | 58.0                                        | 4.8                                   |
| 09/06/2021 01:00:00 PM | 41.8                                 | 3.5                            | 58.8                                        | 4.9                                   |
| 09/06/2021 02:00:00 PM | 45.3                                 | 3.7                            | 65.6                                        | 5.4                                   |
| 09/06/2021 03:00:00 PM | 43.8                                 | 3.6                            | 64.1                                        | 5.3                                   |
| 09/06/2021 04:00:00 PM | 41.4                                 | 3.4                            | 62.8                                        | 5.2                                   |
| 09/06/2021 05:00:00 PM | 44.8                                 | 3.7                            | 58.2                                        | 4.8                                   |
| 09/06/2021 06:00:00 PM | 44.6                                 | 3.7                            | 52.2                                        | 4.3                                   |
| 09/06/2021 07:00:00 PM | 46.1                                 | 3.8                            | 49.3                                        | 4.1                                   |
| 09/06/2021 08:00:00 PM | 47.6                                 | 3.9                            | 49.4                                        | 4.1                                   |
| 09/06/2021 09:00:00 PM | 46.3                                 | 3.8                            | 50.3                                        | 4.2                                   |
| 09/06/2021 10:00:00 PM | 44.7                                 | 3.7                            | 50.4                                        | 4.2                                   |
| 09/06/2021 11:00:00 PM | 44.1                                 | 3.6                            | 49.7                                        | 4.1                                   |
| 09/07/2021 12:00:00 AM | 40.8                                 | 3.4                            | 48.5                                        | 4.0                                   |
| 09/07/2021 01:00:00 AM | 37.3                                 | 3.1                            | 46.9                                        | 3.9                                   |
| 09/07/2021 02:00:00 AM | 38.1                                 | 3.1                            | 46.8                                        | 3.9                                   |
| 09/07/2021 03:00:00 AM | 42.1                                 | 3.5                            | 47.4                                        | 3.9                                   |
| 09/07/2021 04:00:00 AM | 45.3                                 | 3.7                            | 49.9                                        | 4.1                                   |
| 09/07/2021 05:00:00 AM | 44.8                                 | 3.7                            | 51.2                                        | 4.2                                   |
| 09/07/2021 06:00:00 AM | 54.2                                 | 4.5                            | 56.6                                        | 4.7                                   |
| 09/07/2021 07:00:00 AM | 54.5                                 | 4.5                            | 59.0                                        | 4.9                                   |
| 09/07/2021 08:00:00 AM | 61.9                                 | 5.1                            | 68.7                                        | 5.7                                   |
| 09/07/2021 09:00:00 AM | 61.7                                 | 5.1                            | 70.9                                        | 5.9                                   |
| 09/07/2021 10:00:00 AM | 60.9                                 | 5.0                            | 70.9                                        | 5.9                                   |
| 09/07/2021 11:00:00 AM | 60.5                                 | 5.0                            | 74.3                                        | 6.1                                   |
| 09/07/2021 12:00:00 PM | 62.9                                 | 5.2                            | 82.3                                        | 6.8                                   |
| 09/07/2021 01:00:00 PM | 57.4                                 | 4.7                            | 83.0                                        | 6.9                                   |
| 09/07/2021 02:00:00 PM | 54.8                                 | 4.5                            | 79.0                                        | 6.5                                   |
| 09/07/2021 03:00:00 PM | 58.0                                 | 4.8                            | 79.4                                        | 6.6                                   |
| 09/07/2021 04:00:00 PM | 59.4                                 | 4.9                            | 83.1                                        | 6.9                                   |
| 09/07/2021 05:00:00 PM | 58.5                                 | 4.8                            | 75.2                                        | 6.2                                   |
| 09/07/2021 06:00:00 PM | 58.3                                 | 4.8                            | 74.4                                        | 6.1                                   |
| 09/07/2021 07:00:00 PM | 52.2                                 | 4.3                            | 70.3                                        | 5.8                                   |
| 09/07/2021 08:00:00 PM | 50.1                                 | 4.1                            | 60.7                                        | 5.0                                   |
| 09/07/2021 09:00:00 PM | 47.6                                 | 3.9                            | 53.9                                        | 4.5                                   |
| 09/07/2021 10:00:00 PM | 46.6                                 | 3.8                            | 54.6                                        | 4.5                                   |
| 09/07/2021 11:00:00 PM | 47.9                                 | 4.0                            | 55.0                                        | 4.5                                   |
| 09/08/2021 12:00:00 AM | 41.9                                 | 3.5                            | 55.5                                        | 4.6                                   |
| 09/08/2021 01:00:00 AM | 43.2                                 | 3.6                            | 52.1                                        | 4.3                                   |
| 09/08/2021 02:00:00 AM | 46.3                                 | 3.8                            | 52.5                                        | 4.3                                   |
| 09/08/2021 03:00:00 AM | 48.6                                 | 4.0                            | 51.6                                        | 4.3                                   |
| 09/08/2021 04:00:00 AM | 41.4                                 | 3.4                            | 49.3                                        | 4.1                                   |
| 09/08/2021 05:00:00 AM | 41.5                                 | 3.4                            | 48.7                                        | 4.0                                   |



# Patterson Irrigation District

## Main River Section - Hourly Flow Averages

|              |                               |
|--------------|-------------------------------|
| <b>Start</b> | <b>09/06/2021 12:00:00 AM</b> |
| <b>End</b>   | <b>09/13/2021 12:00:00 AM</b> |

Report Generated 09/13/2021 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 |
|------------------------|--------------------------------------|--------------------------------|---------------------------------------------|---------------------------------------|
| 09/08/2021 06:00:00 AM | 45.3                                 | 3.7                            | 53.2                                        | 4.4                                   |
| 09/08/2021 07:00:00 AM | 57.9                                 | 4.8                            | 60.7                                        | 5.0                                   |
| 09/08/2021 08:00:00 AM | 62.0                                 | 5.1                            | 64.4                                        | 5.3                                   |
| 09/08/2021 09:00:00 AM | 56.0                                 | 4.6                            | 62.5                                        | 5.2                                   |
| 09/08/2021 10:00:00 AM | 58.3                                 | 4.8                            | 67.5                                        | 5.6                                   |
| 09/08/2021 11:00:00 AM | 57.6                                 | 4.8                            | 69.7                                        | 5.8                                   |
| 09/08/2021 12:00:00 PM | 60.8                                 | 5.0                            | 78.4                                        | 6.5                                   |
| 09/08/2021 01:00:00 PM | 61.8                                 | 5.1                            | 82.9                                        | 6.8                                   |
| 09/08/2021 02:00:00 PM | 58.7                                 | 4.8                            | 84.6                                        | 7.0                                   |
| 09/08/2021 03:00:00 PM | 63.3                                 | 5.2                            | 83.5                                        | 6.9                                   |
| 09/08/2021 04:00:00 PM | 59.3                                 | 4.9                            | 77.2                                        | 6.4                                   |
| 09/08/2021 05:00:00 PM | 53.9                                 | 4.5                            | 73.0                                        | 6.0                                   |
| 09/08/2021 06:00:00 PM | 56.0                                 | 4.6                            | 69.9                                        | 5.8                                   |
| 09/08/2021 07:00:00 PM | 57.5                                 | 4.8                            | 65.7                                        | 5.4                                   |
| 09/08/2021 08:00:00 PM | 58.1                                 | 4.8                            | 66.1                                        | 5.5                                   |
| 09/08/2021 09:00:00 PM | 57.2                                 | 4.7                            | 62.1                                        | 5.1                                   |
| 09/08/2021 10:00:00 PM | 57.5                                 | 4.8                            | 63.9                                        | 5.3                                   |
| 09/08/2021 11:00:00 PM | 60.5                                 | 5.0                            | 65.1                                        | 5.4                                   |
| 09/09/2021 12:00:00 AM | 59.9                                 | 4.9                            | 63.7                                        | 5.3                                   |
| 09/09/2021 01:00:00 AM | 57.1                                 | 4.7                            | 65.7                                        | 5.4                                   |
| 09/09/2021 02:00:00 AM | 52.9                                 | 4.4                            | 62.8                                        | 5.2                                   |
| 09/09/2021 03:00:00 AM | 53.0                                 | 4.4                            | 60.9                                        | 5.0                                   |
| 09/09/2021 04:00:00 AM | 51.2                                 | 4.2                            | 57.8                                        | 4.8                                   |
| 09/09/2021 05:00:00 AM | 58.9                                 | 4.9                            | 61.6                                        | 5.1                                   |
| 09/09/2021 06:00:00 AM | 66.4                                 | 5.5                            | 67.0                                        | 5.5                                   |
| 09/09/2021 07:00:00 AM | 70.7                                 | 5.8                            | 74.5                                        | 6.2                                   |
| 09/09/2021 08:00:00 AM | 68.3                                 | 5.6                            | 72.7                                        | 6.0                                   |
| 09/09/2021 09:00:00 AM | 71.3                                 | 5.9                            | 76.9                                        | 6.4                                   |
| 09/09/2021 10:00:00 AM | 62.3                                 | 5.1                            | 62.2                                        | 5.1                                   |
| 09/09/2021 11:00:00 AM | 65.9                                 | 5.4                            | 68.3                                        | 5.6                                   |
| 09/09/2021 12:00:00 PM | 61.4                                 | 5.1                            | 72.1                                        | 6.0                                   |
| 09/09/2021 01:00:00 PM | 57.7                                 | 4.8                            | 69.3                                        | 5.7                                   |
| 09/09/2021 02:00:00 PM | 67.4                                 | 5.6                            | 74.1                                        | 6.1                                   |
| 09/09/2021 03:00:00 PM | 62.3                                 | 5.1                            | 75.9                                        | 6.3                                   |
| 09/09/2021 04:00:00 PM | 58.0                                 | 4.8                            | 70.3                                        | 5.8                                   |
| 09/09/2021 05:00:00 PM | 64.7                                 | 5.3                            | 77.0                                        | 6.4                                   |
| 09/09/2021 06:00:00 PM | 67.7                                 | 5.6                            | 74.4                                        | 6.2                                   |
| 09/09/2021 07:00:00 PM | 65.2                                 | 5.4                            | 69.6                                        | 5.8                                   |
| 09/09/2021 08:00:00 PM | 61.6                                 | 5.1                            | 66.5                                        | 5.5                                   |
| 09/09/2021 09:00:00 PM | 63.8                                 | 5.3                            | 67.0                                        | 5.5                                   |
| 09/09/2021 10:00:00 PM | 62.6                                 | 5.2                            | 69.1                                        | 5.7                                   |
| 09/09/2021 11:00:00 PM | 60.8                                 | 5.0                            | 67.7                                        | 5.6                                   |
| 09/10/2021 12:00:00 AM | 63.1                                 | 5.2                            | 67.5                                        | 5.6                                   |
| 09/10/2021 01:00:00 AM | 63.7                                 | 5.3                            | 70.0                                        | 5.8                                   |
| 09/10/2021 02:00:00 AM | 60.4                                 | 5.0                            | 68.7                                        | 5.7                                   |
| 09/10/2021 03:00:00 AM | 61.3                                 | 5.1                            | 72.2                                        | 6.0                                   |
| 09/10/2021 04:00:00 AM | 58.2                                 | 4.8                            | 74.6                                        | 6.2                                   |
| 09/10/2021 05:00:00 AM | 57.7                                 | 4.8                            | 68.9                                        | 5.7                                   |
| 09/10/2021 06:00:00 AM | 55.8                                 | 4.6                            | 59.6                                        | 4.9                                   |
| 09/10/2021 07:00:00 AM | 63.4                                 | 5.2                            | 64.0                                        | 5.3                                   |
| 09/10/2021 08:00:00 AM | 64.3                                 | 5.3                            | 70.0                                        | 5.8                                   |
| 09/10/2021 09:00:00 AM | 65.3                                 | 5.4                            | 75.1                                        | 6.2                                   |
| 09/10/2021 10:00:00 AM | 66.0                                 | 5.5                            | 75.9                                        | 6.3                                   |
| 09/10/2021 11:00:00 AM | 65.6                                 | 5.4                            | 75.0                                        | 6.2                                   |



# Patterson Irrigation District

## Main River Section - Hourly Flow Averages

|              |                               |
|--------------|-------------------------------|
| <b>Start</b> | <b>09/06/2021 12:00:00 AM</b> |
| <b>End</b>   | <b>09/13/2021 12:00:00 AM</b> |

Report Generated 09/13/2021 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 |
|------------------------|--------------------------------------|--------------------------------|---------------------------------------------|---------------------------------------|
| 09/10/2021 12:00:00 PM | 58.1                                 | 4.8                            | 79.7                                        | 6.6                                   |
| 09/10/2021 01:00:00 PM | 58.1                                 | 4.8                            | 83.7                                        | 6.9                                   |
| 09/10/2021 02:00:00 PM | 63.4                                 | 5.2                            | 82.9                                        | 6.9                                   |
| 09/10/2021 03:00:00 PM | 64.0                                 | 5.3                            | 84.3                                        | 7.0                                   |
| 09/10/2021 04:00:00 PM | 59.0                                 | 4.9                            | 78.9                                        | 6.5                                   |
| 09/10/2021 05:00:00 PM | 52.6                                 | 4.3                            | 72.7                                        | 6.0                                   |
| 09/10/2021 06:00:00 PM | 47.4                                 | 3.9                            | 63.4                                        | 5.2                                   |
| 09/10/2021 07:00:00 PM | 50.5                                 | 4.2                            | 63.1                                        | 5.2                                   |
| 09/10/2021 08:00:00 PM | 50.5                                 | 4.2                            | 64.7                                        | 5.4                                   |
| 09/10/2021 09:00:00 PM | 52.3                                 | 4.3                            | 62.4                                        | 5.2                                   |
| 09/10/2021 10:00:00 PM | 51.7                                 | 4.3                            | 59.8                                        | 4.9                                   |
| 09/10/2021 11:00:00 PM | 52.5                                 | 4.3                            | 58.2                                        | 4.8                                   |
| 09/11/2021 12:00:00 AM | 46.6                                 | 3.9                            | 56.6                                        | 4.7                                   |
| 09/11/2021 01:00:00 AM | 44.6                                 | 3.7                            | 55.8                                        | 4.6                                   |
| 09/11/2021 02:00:00 AM | 50.4                                 | 4.2                            | 57.3                                        | 4.7                                   |
| 09/11/2021 03:00:00 AM | 58.2                                 | 4.8                            | 60.3                                        | 5.0                                   |
| 09/11/2021 04:00:00 AM | 61.2                                 | 5.1                            | 65.2                                        | 5.4                                   |
| 09/11/2021 05:00:00 AM | 63.1                                 | 5.2                            | 68.4                                        | 5.7                                   |
| 09/11/2021 06:00:00 AM | 64.2                                 | 5.3                            | 68.7                                        | 5.7                                   |
| 09/11/2021 07:00:00 AM | 63.7                                 | 5.3                            | 68.2                                        | 5.6                                   |
| 09/11/2021 08:00:00 AM | 60.1                                 | 5.0                            | 66.9                                        | 5.5                                   |
| 09/11/2021 09:00:00 AM | 62.8                                 | 5.2                            | 69.7                                        | 5.8                                   |
| 09/11/2021 10:00:00 AM | 61.0                                 | 5.0                            | 68.3                                        | 5.6                                   |
| 09/11/2021 11:00:00 AM | 61.7                                 | 5.1                            | 73.3                                        | 6.1                                   |
| 09/11/2021 12:00:00 PM | 65.1                                 | 5.4                            | 77.3                                        | 6.4                                   |
| 09/11/2021 01:00:00 PM | 67.2                                 | 5.6                            | 83.5                                        | 6.9                                   |
| 09/11/2021 02:00:00 PM | 61.9                                 | 5.1                            | 81.4                                        | 6.7                                   |
| 09/11/2021 03:00:00 PM | 66.6                                 | 5.5                            | 80.9                                        | 6.7                                   |
| 09/11/2021 04:00:00 PM | 68.6                                 | 5.7                            | 82.8                                        | 6.8                                   |
| 09/11/2021 05:00:00 PM | 64.7                                 | 5.3                            | 76.1                                        | 6.3                                   |
| 09/11/2021 06:00:00 PM | 63.0                                 | 5.2                            | 70.1                                        | 5.8                                   |
| 09/11/2021 07:00:00 PM | 60.8                                 | 5.0                            | 64.9                                        | 5.4                                   |
| 09/11/2021 08:00:00 PM | 62.5                                 | 5.2                            | 67.8                                        | 5.6                                   |
| 09/11/2021 09:00:00 PM | 60.8                                 | 5.0                            | 66.0                                        | 5.5                                   |
| 09/11/2021 10:00:00 PM | 59.2                                 | 4.9                            | 62.6                                        | 5.2                                   |
| 09/11/2021 11:00:00 PM | 53.3                                 | 4.4                            | 60.7                                        | 5.0                                   |
| 09/12/2021 12:00:00 AM | 48.3                                 | 4.0                            | 58.7                                        | 4.9                                   |
| 09/12/2021 01:00:00 AM | 48.3                                 | 4.0                            | 55.9                                        | 4.6                                   |
| 09/12/2021 02:00:00 AM | 57.7                                 | 4.8                            | 59.1                                        | 4.9                                   |
| 09/12/2021 03:00:00 AM | 58.8                                 | 4.9                            | 62.9                                        | 5.2                                   |
| 09/12/2021 04:00:00 AM | 56.0                                 | 4.6                            | 62.6                                        | 5.2                                   |
| 09/12/2021 05:00:00 AM | 52.0                                 | 4.3                            | 61.1                                        | 5.0                                   |
| 09/12/2021 06:00:00 AM | 47.6                                 | 3.9                            | 53.8                                        | 4.4                                   |
| 09/12/2021 07:00:00 AM | 52.6                                 | 4.4                            | 57.3                                        | 4.7                                   |
| 09/12/2021 08:00:00 AM | 58.2                                 | 4.8                            | 62.8                                        | 5.2                                   |
| 09/12/2021 09:00:00 AM | 57.2                                 | 4.7                            | 65.4                                        | 5.4                                   |
| 09/12/2021 10:00:00 AM | 57.1                                 | 4.7                            | 64.1                                        | 5.3                                   |
| 09/12/2021 11:00:00 AM | 48.5                                 | 4.0                            | 62.6                                        | 5.2                                   |
| 09/12/2021 12:00:00 PM | 39.3                                 | 3.2                            | 57.6                                        | 4.8                                   |
| 09/12/2021 01:00:00 PM | 38.1                                 | 3.1                            | 61.0                                        | 5.0                                   |
| 09/12/2021 02:00:00 PM | 34.3                                 | 2.8                            | 58.3                                        | 4.8                                   |
| 09/12/2021 03:00:00 PM | 34.8                                 | 2.9                            | 61.5                                        | 5.1                                   |
| 09/12/2021 04:00:00 PM | 39.4                                 | 3.3                            | 61.5                                        | 5.1                                   |
| 09/12/2021 05:00:00 PM | 38.5                                 | 3.2                            | 55.1                                        | 4.6                                   |



# Patterson Irrigation District

## Main River Section - Hourly Flow Averages

|              |                               |
|--------------|-------------------------------|
| <b>Start</b> | <b>09/06/2021 12:00:00 AM</b> |
| <b>End</b>   | <b>09/13/2021 12:00:00 AM</b> |

Report Generated 09/13/2021 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 |
|--------------------------|--------------------------------------|--------------------------------|---------------------------------------------|---------------------------------------|
| 09/12/2021 06:00:00 PM   | 39.8                                 | 3.3                            | 49.3                                        | 4.1                                   |
| 09/12/2021 07:00:00 PM   | 39.4                                 | 3.3                            | 45.2                                        | 3.7                                   |
| 09/12/2021 08:00:00 PM   | 38.8                                 | 3.2                            | 43.5                                        | 3.6                                   |
| 09/12/2021 09:00:00 PM   | 45.4                                 | 3.7                            | 47.8                                        | 3.9                                   |
| 09/12/2021 10:00:00 PM   | 45.8                                 | 3.8                            | 50.0                                        | 4.1                                   |
| 09/12/2021 11:00:00 PM   | 39.8                                 | 3.3                            | 49.6                                        | 4.1                                   |
| Average Flow:            | 53.35                                | 740.71                         | 63.28                                       | 878.60                                |
| Dataset Device Utilized: | SONTEK SL                            | SONTEK SL                      | SOMMERS RQ-30                               | SOMMERS RQ-30                         |

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