

SJRRP Seepage Daily Evaluation

March 10, 2010

Based on preliminary data, flow exceeded 475 cfs in Reach 2A as recorded at the Gravelly Ford gaging station on March 8, 2010. Flow exceeded 475 cfs in Reach 3 as recorded at the Mendota Pool gaging station on March 8, 2010. Based on the available information below, no seepage problems are anticipated and Reclamation will continue with the Interim Flow releases as scheduled. Daily evaluations will continue while flow remains above this evaluation threshold.

As of 8:00 AM, March 10, 2010, Reclamation personnel have reported the following:

1. Flows are below known conveyance thresholds (8,000 cfs in Reach 2A, 1,300 cfs in Reach 2B, and 1,300 cfs in Reach 3) based on preliminary real-time data.
2. Mendota Pool operations calls did not identify groundwater seepage or flow problems.
3. The seepage hotline received no calls that reported the potential for probable or imminent seepage problems.
4. Real-time groundwater in Reach 2B and 3 wells has not risen above identified groundwater level thresholds.
5. Manually monitored groundwater wells do not show groundwater levels above identified thresholds, with the exception of wells R2B-1 and MW-49B. R2B-1 shows a depth below ground surface of 5.58 ft (buffer 4-6 feet). The groundwater in MW-49B was measured at 5.79 feet below ground surface (buffer 4-6 feet).
6. Known upstream conditions do not indicate likely seepage impacts.

DATA:

- Most recent stage and flow data: http://restoresjr.net/maps/SJRRarea_Map.html
- Real-time Wells: Three wells in Reaches 2B and 3 are real-time and posted on CDEC. Links are available on restoresjr.net under "Interim Flows Information". <http://restoresjr.net/activities/if/index.html>
- Weekly Groundwater Report: Manual measurements taken weekly via electronic well sounder of groundwater monitoring wells in Reaches 2A, 2B, 3 and 4 are provided in the Weekly Groundwater Report. <http://restoresjr.net/activities/if/index.html>
- Well Atlas: Manual measurements for all wells are provided in the well atlas, available on the Interim Flows Information page under "Well Atlas". <http://restoresjr.net/activities/if/index.html>
- Bench Evaluation: The most recent evaluation for the decision to increase to the next flow bench is available at: <http://restoresjr.net/activities/if/index.html> under "Flow Bench Evaluation".

BACKGROUND:

Condition 9 of Order Water Right 2009-0058-DWR (Order) for the Water Year 2010 Interim Flows Project issued by the State Water Resources Control Board requires Reclamation to conduct a daily evaluation of groundwater levels and flow and stage levels when flows are greater than 475 cubic feet per second (cfs) in Reaches 2A and 3 and post the results of this evaluation to a publicly available website.

SJRRP Seepage Daily Evaluation

March 9, 2010

Based on preliminary data, flow exceeded 475 cfs in Reach 2A as recorded at the Gravelly Ford gaging station on March 8, 2010. Flow exceeded 475 cfs in Reach 3 as recorded at the Mendota Pool gaging station on March 8, 2010. Based on the available information below, no seepage problems are anticipated and Reclamation will continue with the Interim Flow releases as scheduled. Daily evaluations will continue while flow remains above this evaluation threshold.

As of 8:00 AM, March 9, 2010, Reclamation personnel have reported the following:

1. Flows are below known conveyance thresholds (8,000 cfs in Reach 2A, 1,300 cfs in Reach 2B, and 1,300 cfs in Reach 3) based on preliminary real-time data.
2. Mendota Pool operations calls did not identify groundwater seepage or flow problems.
3. The seepage hotline received no calls that reported the potential for probable or imminent seepage problems.
4. Real-time groundwater in Reach 2B and 3 wells has not risen above identified groundwater level thresholds.
5. Manually monitored groundwater wells do not show groundwater levels above identified thresholds, with the exception of well R2B-1 which shows a depth below ground surface of 5.57 ft (as of 3/4/2010). The buffer zone for this well is 4-6 feet.
6. Known upstream conditions do not indicate likely seepage impacts.

DATA:

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Condition 9 of Order Water Right 2009-0058-DWR (Order) for the Water Year 2010 Interim Flows Project issued by the State Water Resources Control Board requires Reclamation to conduct a daily evaluation of groundwater levels and flow and stage levels when flows are greater than 475 cubic feet per second (cfs) in Reaches 2A and 3 and post the results of this evaluation to a publicly available website.