

SJRRP Daily Seepage Evaluation Log – Fall 2011

October 23, 2011

Conditions are the same as October 22, 2011.

October 22, 2011

Conditions are the same as October 21, 2011 with the exception of:

Monitoring well 10-95 was measured on October 20, 2011 at 3.6 feet below ground surface. This well shows gravity irrigation draining.

October 21, 2011

Conditions are the same as October 20, 2011.

October 20, 2011

Conditions are the same as October 19, 2011.

October 19, 2011

Conditions are the same as October 18, 2011.

October 18, 2011

Conditions are the same as October 17, 2011.

October 17, 2011

Conditions are the same as October 16, 2011.

October 16, 2011

Conditions are the same as October 15, 2011.

October 15, 2011

Based on preliminary data, flow exceeded 475 cfs in Reach 2A as recorded at the Gravelly Ford gaging station on October 15, 2011. Daily evaluations will continue while flow remains above this evaluation threshold. Releases from Friant Dam for Interim Flows and riparian diversion are 700 cfs. In response to groundwater levels above a threshold adjacent to the Eastside Bypass, Interim Flows will be diverted at Mendota Pool until further information is known.

As of October 15, 2011:

1. Flows rates from provisional real-time data are below known channel capacity thresholds from Appendix I in the PEIS/R (1,060 cfs in Reach 2A, 810 cfs in Reach 2B, 2,140 cfs in Reach 3, 630 cfs in Reach 4A, and 600 cfs in the Eastside Bypass).
2. The weekly operations call did not identify any issues.
3. The seepage hotline has received no calls regarding Water Year 2012 flows.

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4. Real-time provisional groundwater data does not show unaddressed groundwater depths crossing identified thresholds.

5. Manually monitored groundwater wells do not show unaddressed groundwater depths crossing identified thresholds. See below for explanation.

6. Flows are currently increasing in Reaches 1 and 2 as Interim Flows attenuate and route downstream.

Monitoring well 10-95 was measured on October 13, 2011 at 3.6 feet below ground surface. The Seepage Management Plan shows a threshold of 5 feet below ground surface. Reclamation conducted a site visit on Friday, October 8 and the landowner had just finished gravity irrigating his crop. The landowner has a working interceptor drain. Reclamation will continue to halt any Interim Flow releases below Sack Dam until measurements confirm that groundwater levels decrease.