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Sent: Tuesday, July 6, 2021 1:13 PM
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Subject: RE: Sites Project WSIP/Yolo Flow Question on NDFA

Hi John,

We have not conducted an official evaluation the effects of the flow pulses on the specific metrics you listed. However, some observations may be helpful. In past years, we may have had an instance or two of seepage or flooding of lower elevation parcels which were mitigated by pumping or adjustments in operations by close coordination and communications with the landowners. In general, our experience is that the NDFA pulses have minor to limited effects on upstream agriculture including Colusa Basin Drain and Upper Yolo Bypass that can be managed and mitigated, and less to none impacts in the Lower Yolo Bypass or downstream as it's constrained to the perennial Toe Drain. Other observations might be movement of upstream aquatic weeds to Wallace Weir, and we've monitored transport of contaminants (pesticide, fungicides, and herbicides) the last several years, that do increase during the pulse in the bypass, return to normal levels following the pulse, but are similar to the contaminants observed in non-action years when local drainage occurs.

Josh Martinez and Hailey Wright, please correct any of my uncertainty or provide additional description.

Thank-you,
Brittany

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