

Appendix 4K
**Alternative 1 with Early Voluntary
Agreement Implementation**

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This appendix is entirely new for the Final Environmental Impact Report and was not included as part of the Draft Environmental Impact Report (DEIR). Therefore, it is not provided in strikethrough or underline format.

4K.1 Introduction

In response to comments received by the California Department of Fish and Wildlife on the DEIR and to provide consistency between the State Water Project (SWP) LTO incidental take permit (ITP) application, the California Department of Water Resources (DWR) has prepared additional modeling for the following conditions:

- An alternative approach to spring Delta outflow that includes long-term implementation of the existing 2020 SWP ITP Condition of Approval 8.17 (without Condition of Approval 8.19).
- March deployment of the 50-thousand-acre-foot inflow block provided from Feather River or Sacramento River land fallowing.

The results of model simulations are provided for informational purposes. Please do not use any information contained in these products for any purpose other than this environmental impact report process. If there are any questions regarding the results of these model simulations, please contact DWR.

Any use of results of model simulations should observe limitations of the models used as well as the limitations to the modeled alternatives. These results should only be used for comparative purposes. More information regarding limitations of the models used as well as the limitations to the modeled alternatives is included Appendix 4A, "Model Assumptions," Attachment 8, "Model Limitations."

4K.2 Modeled Alternatives

The following scenarios were prepared:

- Baseline Conditions (Study 1)
- Proposed Project (Study 9bv2)
- ITP Spring Outflow (Study 7 ITP Spring)
- March VA Fallowing Flows (Study 9av2a)

The following model simulations were prepared for each alternative:

- CalSim 3
- DSM2

Documentation of CalSim 3 model assumptions for each alternative listed above are provided in Attachment 1, “CalSim 3 Model Assumptions Callouts.” DSM2 model assumptions are consistent with those highlighted in Appendix 4A, “Model Assumptions,” Attachment 3, “DSM2 Model Assumptions Callouts.”

4K.3 Model Results

Location-specific results for the alternatives and models listed above are included in the following attachments:

- Attachment 2, “CalSim 3 Storage and Elevation Results”
- Attachment 3, “CalSim 3 Flow Results”
- Attachment 4, “CalSim 3 Diversion Results”
- Attachment 5, “CalSim 3 X2 Results”
- Attachment 6, “DSM2 Stage Results”