Attached is the March 2014 seasonal forecast for two 50% hydrology conditions (meeting D1641 objectives and including Moderate OMR Restrictions) and one 90% hydrology condition, but with two different barrier scenarios (With Drought Barriers and No Drought Barriers).  The attached excel file includes EC and Bromide at Banks, Jones Pumping stations, Old River at Bacon Island, and Old River at Highway 4, and a few locations along the California Aqueduct.

**The seasonal modeling is not being performed in connection with the modeling efforts for the drought barriers.  As such, it is not to be used, in any way, shape, or form, for justification for, justification against, or comparison with other models used for the drought barriers**.  Official department modeling for the drought barriers will come from the Department of Water Resources Bay-Delta Office.

This seasonal forecast of Aqueduct water quality is based on:

1. March 2014 DCO allocation study.
2. Initial EC conditions in Aqueduct established by the Delta and Aqueduct historical simulations up to the end of February 2014.
3. Bromide concentrations at Jones and Banks PP converted from modeled EC and bromide concentrations in Aqueduct modeled directly from this conversion.

Both 50% and 90% hydrology studies used the following gate and temporary barriers operations:

1. Delta Cross Channel open from June 1 to December 1.
2. MR barrier is installed from March 17 to November 30.
3. OR barrier is installed from April 3 to November 30.
4. GLC barrier is installed from April 15 to November 30.
5. HOR Barrier is installed from April 10 to June 15.

In addition, the 90% With Drought Barriers study used the following drought barrier operations:

1. False River barrier is installed from June 1 to November 10.
2. Sutter Slough barrier is installed from June 1 to November 10.
3. Steamboat Slough barrier is installed from June 1 to November 10.

Pump-ins to the California Aqueduct were assumed to occur to the sum of 480 TAF.

Net Delta Outflow Used for each Scenario (TAF)

|  |  |  |  |
| --- | --- | --- | --- |
|  | 90% (D1641 & All OMR's) | 50% (Mod) | 50% (D1641) |
| Jan | 321 | 321 | 321 |
| Feb | 599 | 599 | 599 |
| Mar | 629 | 629 | 629 |
| Apr | 327 | 386 | 386 |
| May | 280 | 298 | 298 |
| Jun | 238 | 243 | 243 |
| Jul | 266 | 276 | 272 |
| Aug | 273 | 284 | 280 |
| Sep | 254 | 268 | 264 |
| Oct | 237 | 257 | 257 |
| Nov | 261 | 293 | 293 |
| Dec | 245 | 289 | 289 |