

NFDC1 - North Fork of the American streamflow estimate adjusted to observations

MFPC1 - Middle Fork of the American above Middle Fork Powerhouse streamflow estimate adjusted to observations

MFPC1L - This is the “local flow” estimate for Middle Fork of the American above Middle Fork Powerhouse. It does not include contributions from upstream including FMDC1.

FMDC1 - French Meadows regulated inflow estimate adjusted to observations

FMDC1O - French Meadows simulated spill forecast (doesn’t include lower outlet or tunnel releases)

RBBC1F - This is the total flow generated by the upper Rubicon River down to Buck Island Lake

RBBC1SPL - This is the excess flow that flows down into Hell Hole from the upper Rubicon River (whatever flow exceeds the Buck-Loon tunnel capacity).

BCTC1 - This is the flow from the upper Rubicon River (RBBC1 watershed) that gets diverted to Loon Lake via the Buck-Loon tunnel.

LNLC1F - This is the full natural flow coming into Loon Lake. It does not include any diversion from the Buck-Loon tunnel.

LNLC1 - This is the regulated inflow to Loon Lake, and includes the diversion from Buck-Loon tunnel. This forecast is adjusted to inflow observations.

HLLC1 - This is the regulated inflow into Hell Hole Lake. Water that gets diverted to Loon Lake via the Buck-Loon tunnel is not included in this inflow. This forecast is adjusted to inflow observations.

HLLC1F - This is the full natural flow coming into Hell Hole Lake, and does include the entire streamflow from the upper Rubicon (RBBC1).

HLLC1L - This is the “local flow” coming into Hell Hole. This includes all runoff coming in except for the contributions from the upper Rubicon (RBBC1).

HLLC1SPL - This is the flow over the Hell Hole spillway, and does not include any lower outlet release.

NMFC1 - This is the streamflow estimate for North Fork of the Middle Fork American. This forecast is adjusted to streamflow observations.

RUFC1 - This is the regulated streamflow estimate for the Rubicon River near Foresthill. This forecast is adjusted to streamflow observations.

RUFC1L - This is the “local flow” for Rubicon River near Foresthill. It does not include flows from Hell Hole.

SPYC1 - This is the streamflow estimate for Pilot Creek above Stumpy Meadows Reservoir. This forecast is adjusted to streamflow observations.

RRGC1 - This is the South Fork of the Rubicon below Gerle Creek confluence regulated streamflow estimate. This forecast is adjusted to streamflow observations.

RRGC1L - This includes the “local flow” for the RRGC1 basin which includes runoff from Gerle Creek and the South Fork of the Rubicon. It does not include flows coming from Loon Lake. It also doesn’t include any Gerle Creek Reservoir storage/re-regulation effects.

RRGC1F - This is the full natural flow estimate for the South Fork of the Rubicon below Gerle Creek.

MFAC1 - This is the regulated streamflow for the Middle Fork of the American near Foresthill. This forecast is adjusted to streamflow observations.

MFAC1L - This is the “local flow” estimate for Middle Fork of the American near Foresthill. It doesn’t include contributions from upstream including FMDC1, RUFC1, and NMFC1.

MFAC1F - This is the full natural flow estimate for Middle Fork American near Foresthill.

UNVC1F - This is the full natural flow estimate for Union Valley Reservoir.

UNVC1 - This is the regulated inflow to Union Valley Reservoir. This forecast is adjusted to inflow observations.

ICHC1 - This is the inflow estimate into Ice House Reservoir. This forecast is adjusted to inflow observations.

SVCC1 - This is the regulated streamflow estimate on Silver Creek below Camino Dam. This estimate includes runoff from Round Tent Canyon since it comes into Silver Creek upstream of the river gage below Camino Dam. This forecast is adjusted to streamflow observations.

SVCC1F - This is the full natural flow estimate for Silver Creek below Camino Dam.

SVCC1L - This is the “local flow” estimate for Silver Creek below Camino Dam. It doesn’t include flows coming from Union Valley.

AKYC1 - This is the estimate of the regulated streamflow on the South Fork American near Kyburz. The regulation includes an estimate for losses due to the El Dorado Canal. The larger reservoirs upstream, Caples and Silver Lake, are not explicitly modeled, so their regulation is not exactly accounted for. This forecast is adjusted to streamflow observations.

AKYC1F - This is the full natural flow estimate on the South Fork American near Kyburz.

CBAC1 - This is the regulated streamflow estimate for the South Fork American downstream of Chili Bar Reservoir. It includes regulation effects from the major reservoirs upstream (see schematic below). It doesn’t include effects from Slab Creek reservoir or Chili Bar Reservoir. This forecast is adjusted to streamflow observations.

CBAC1L - This is the “local flow” estimate for South Fork American downstream of Chili Bar. This area includes runoff from Silver Creek below Camino Dam and the South Fork American below Kyburz.

CBAC1F - This is the full natural flow estimate for South Fork American below Chili Bar.

FOLC1 - This is the regulated inflow estimate at Folsom Dam. The major regulation components included in this estimate are described in the schematic below. This forecast is adjusted to inflow observations.

FOLC1F - This is the full natural flow estimate for Folsom Dam.

FOLC1L - This is the “local flow” estimate to Folsom Dam.

NIMC1L - This is the “local flow” estimate to Lake Natoma.

American River Basin CNRFC Model

