

F-CO 2010 Functional Exercise – Player Manual

Appendix A: Exercise Scenario Narratives and Initial Conditions

10/06/10 F-CO FUNCIONAL EXERCISE OROVILLE/NEW BULLARDS BAR FLOOD SCENARIOS CONDITIONS FOR SCENARIO 1:

Simulation date & time: 10/06/10 @ 9:30 AM

Event date (assumed) 01/15/11 - 10 a.m. briefing

Overview: For exercise purposes today is January 15

It has been an early winter, with ski resorts opening on Thanksgiving without the use of snow-making machines. In the week before Christmas, a strong winter storm has resulted in a large amount of snow in the Sierras, with the snow line between 6000 feet in the north and 7000 feet in the south. The Feather and Yuba drainage basins have had above normal precipitation and snow. The Oroville wetness index (W.I.) is well above 11, indicating wet ground. The Feather and Yuba basins have received precipitation in 20 of the past 30 days. Rainfall is expected to continue for the next several days.

The Feather and Yuba basins each recorded 3.0 inches of precipitation over the last 24-hour period ending at 4 AM today. Snowline elevations are currently around 6500 feet and expected to rise to around 7500 feet over the next 24 hours. Forecasters predict another 7.8 inches of precipitation in the Feather basin and 9.5 inches in the Yuba basin over the next 48 hours.

Lake Oroville is at 853.3 feet elevation and about 66,000 acre-feet encroached into the flood control space. Inflows are around 81,000 CFS. Releases are around 70,000 CFS. The morning forecast called for Lake Oroville inflows to peak around 278,000 CFS by 9:00 PM and then decrease to around 135,000 CFS by the end of the forecast at 9 AM on January 20th.

New Bullards Bar is at 1,918.3 feet elevation and at the top of conservation. Inflows are around 18,000 CFS. Total current release is around 8,600 CFS. The morning forecast called for New Bullards Bar inflows to peak around 80,000 CFS by 9 PM and then expected to recede to a flow around 31,000 CFS by the end of the forecast at 9 AM on January 20th.