

Historical Trends in Fall X2 from DAYFLOW

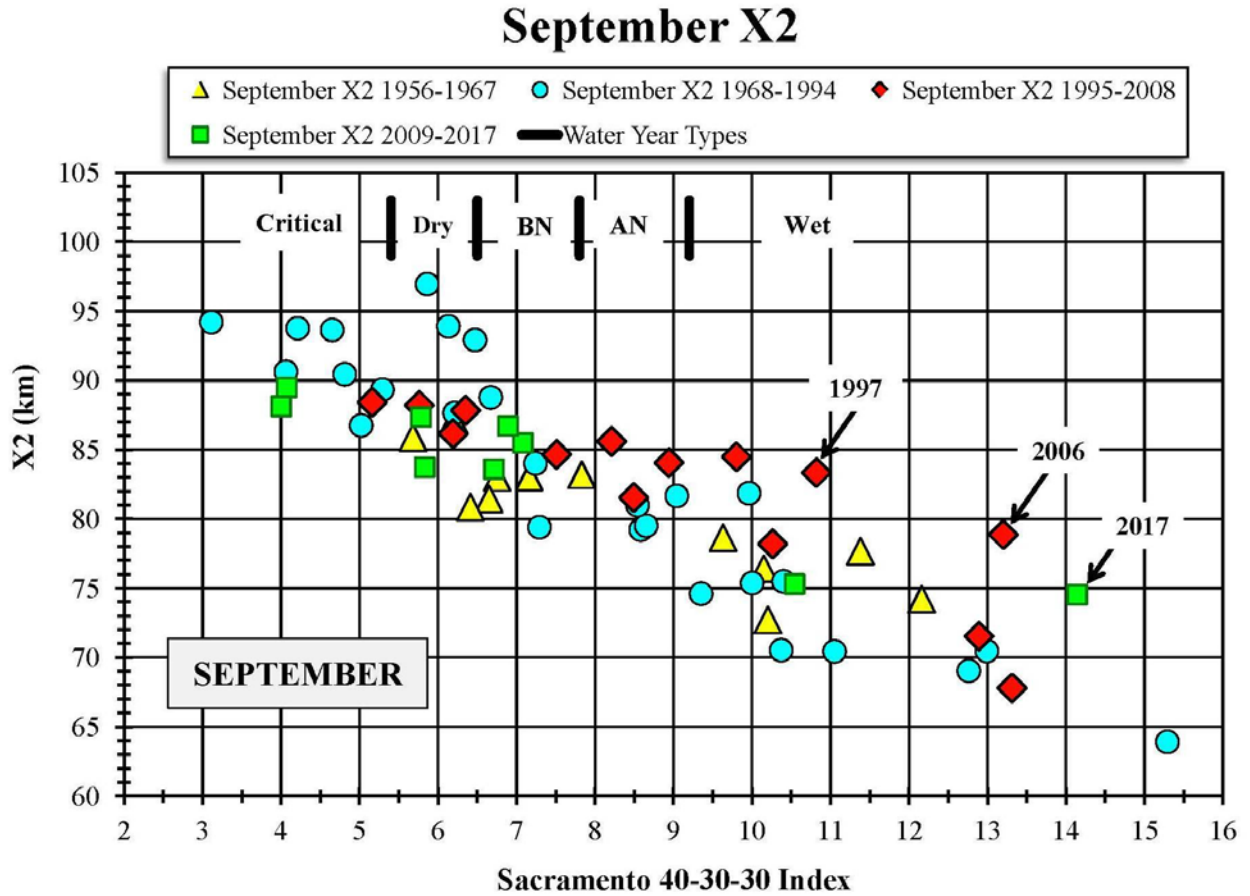


Figure 1: Historical monthly-averaged X2 for the month of September as a function of the Sacramento 40-30-30 water year index for the period 1956-2017. The data are categorized into four periods: Pre-SWP (1956-1967); Pre-Bay-Delta Accord (1968-1994), Post-Accord (1995-2008); and Post-2008-2009 Biological Opinions (2009-2017).

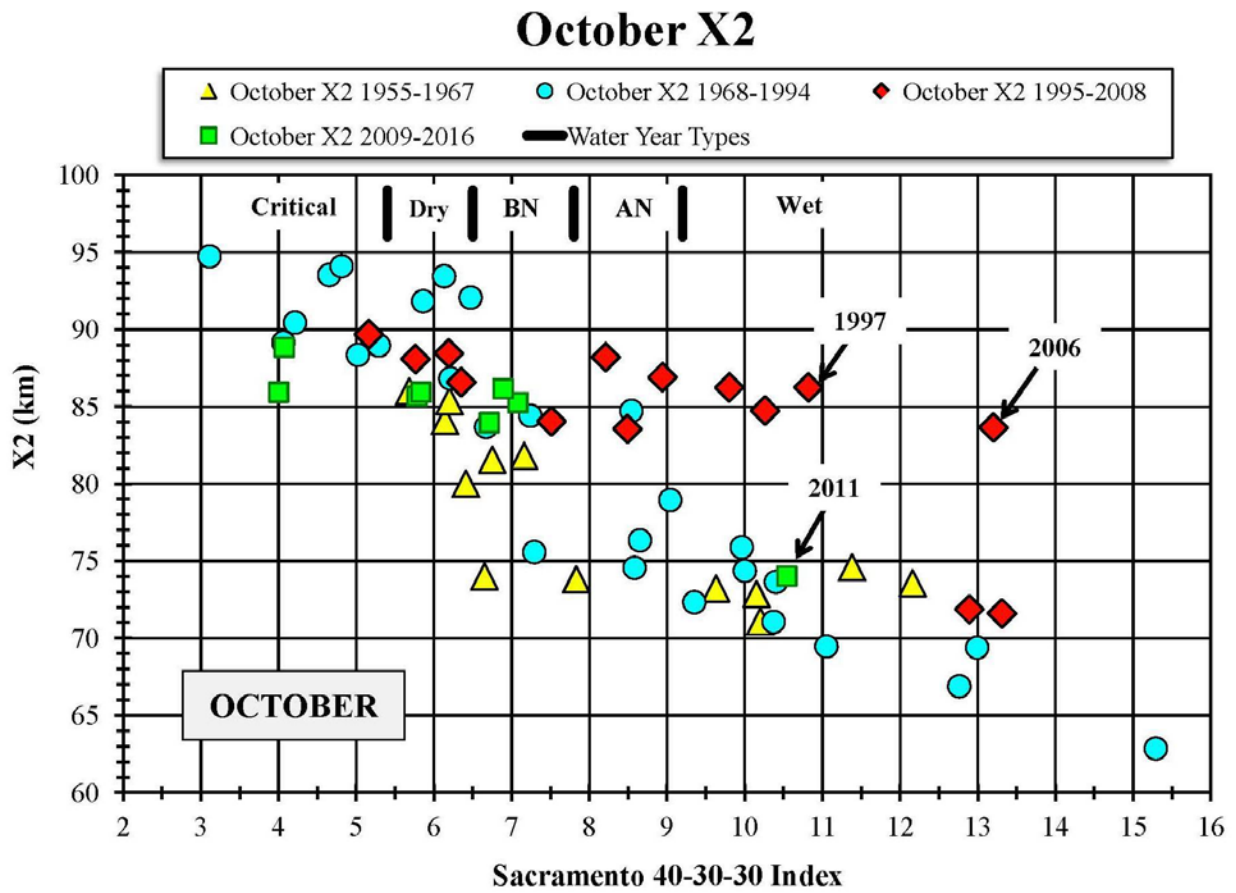


Figure 2: Historical monthly-averaged X2 for the month of October as a function of the Sacramento 40-30-30 water year index for the period 1955-2016. The data are categorized into four periods: Pre-SWP (1955-1967); Pre-Bay-Delta Accord (1968-1994), Post-Accord (1995-2008); and Post-2008-2009 Biological Opinions (2009-2016).

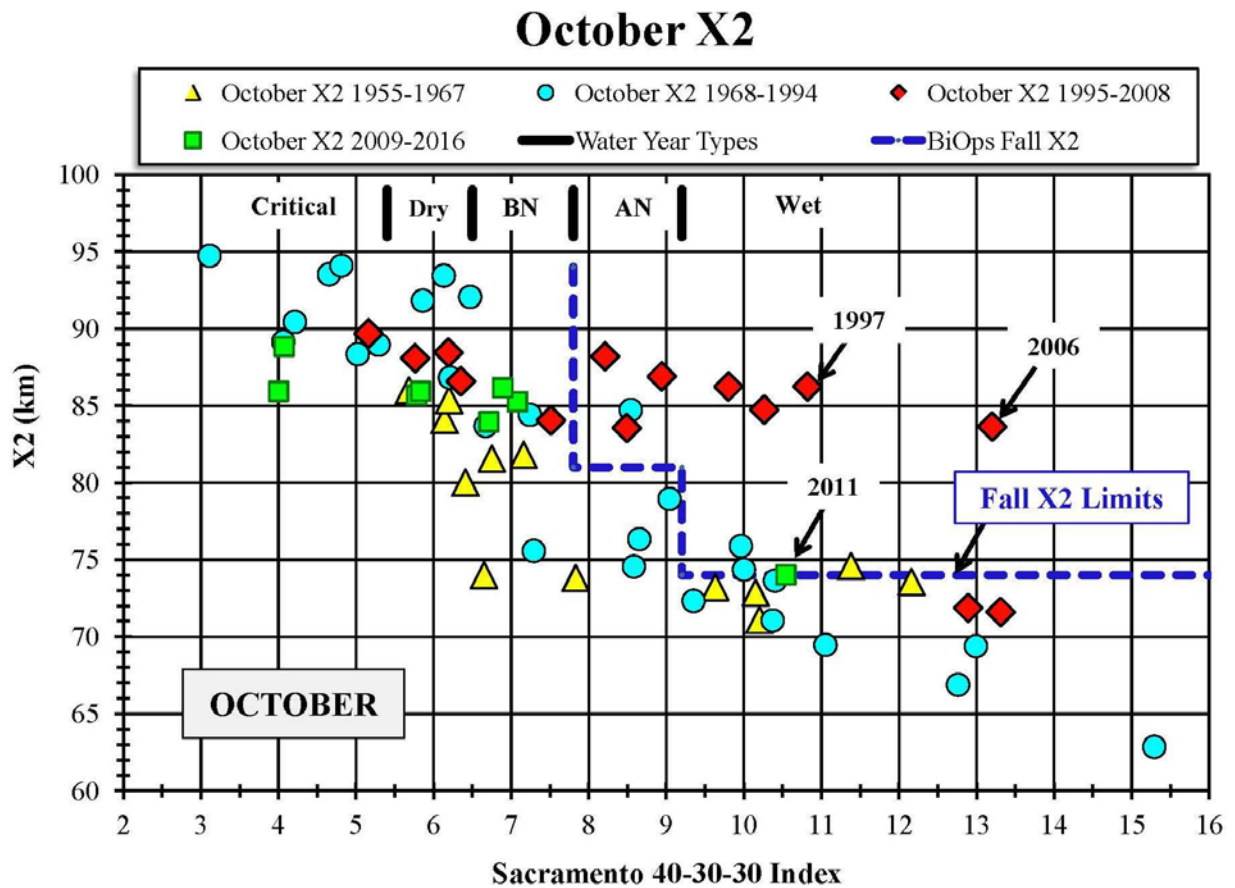


Figure 3: Historical monthly-averaged X2 for the month of October as a function of the Sacramento 40-30-30 water year index for the period 1955-2016. The data are categorized into four periods: Pre-SWP (1955-1967); Pre-Bay-Delta Accord (1968-1994), Post-Accord (1995-2008); and Post-2008-2009 Biological Opinions (2009-2016). The Fall X2 limits for wet and above normal years (74 km and 81 km, respectively) from the USFWS Biological Opinion (SWRCB-87, page 282) is also shown. There were a number of years after 1994 when the October X2 was much higher than the previous historical trend.

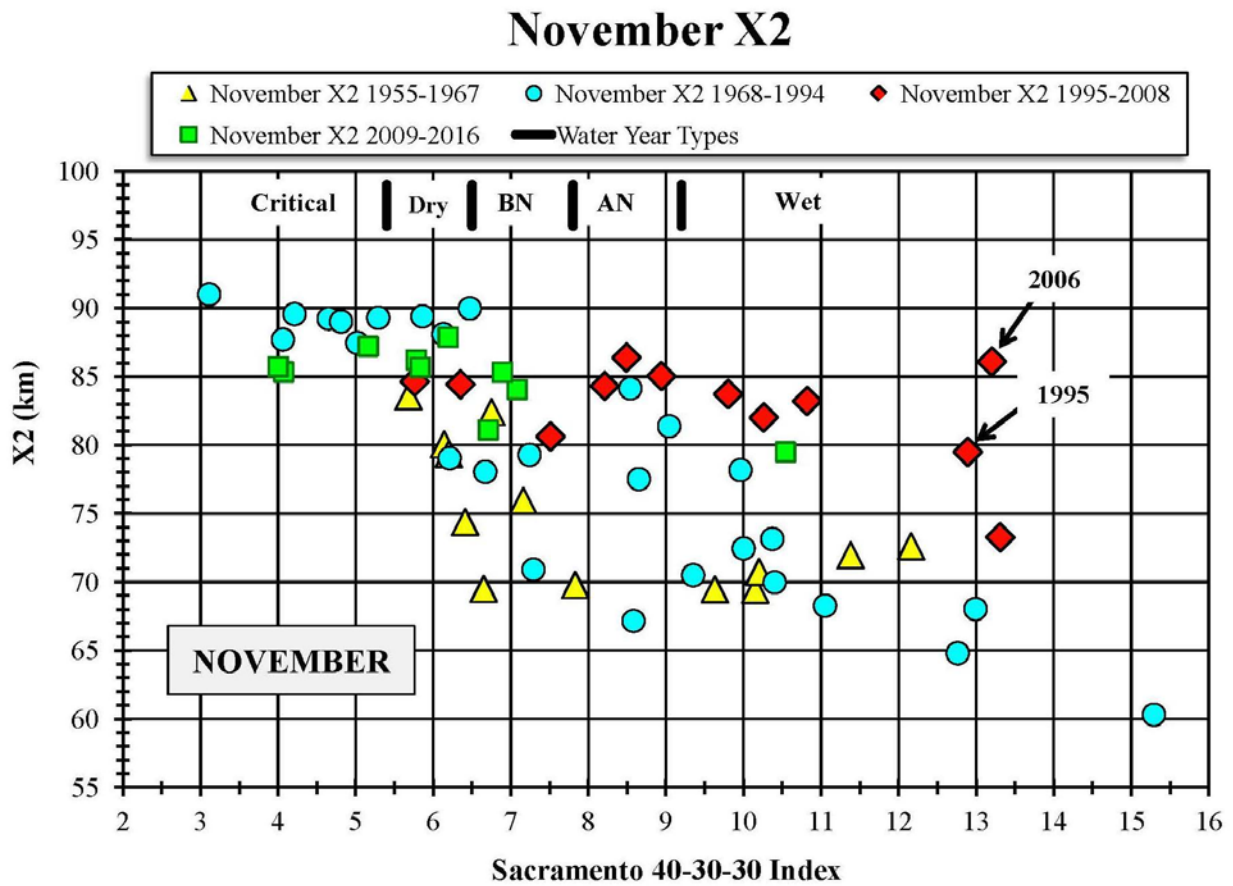


Figure 4: Historical monthly-averaged X2 for the month of November as a function of the Sacramento 40-30-30 water year index for the period 1955-2016. The data are categorized into four periods: Pre-SWP (1955-1967); Pre-Bay-Delta Accord (1968-1994), Post-Accord (1995-2008); and Post-2008-09 Biological Opinions (2009-2016).

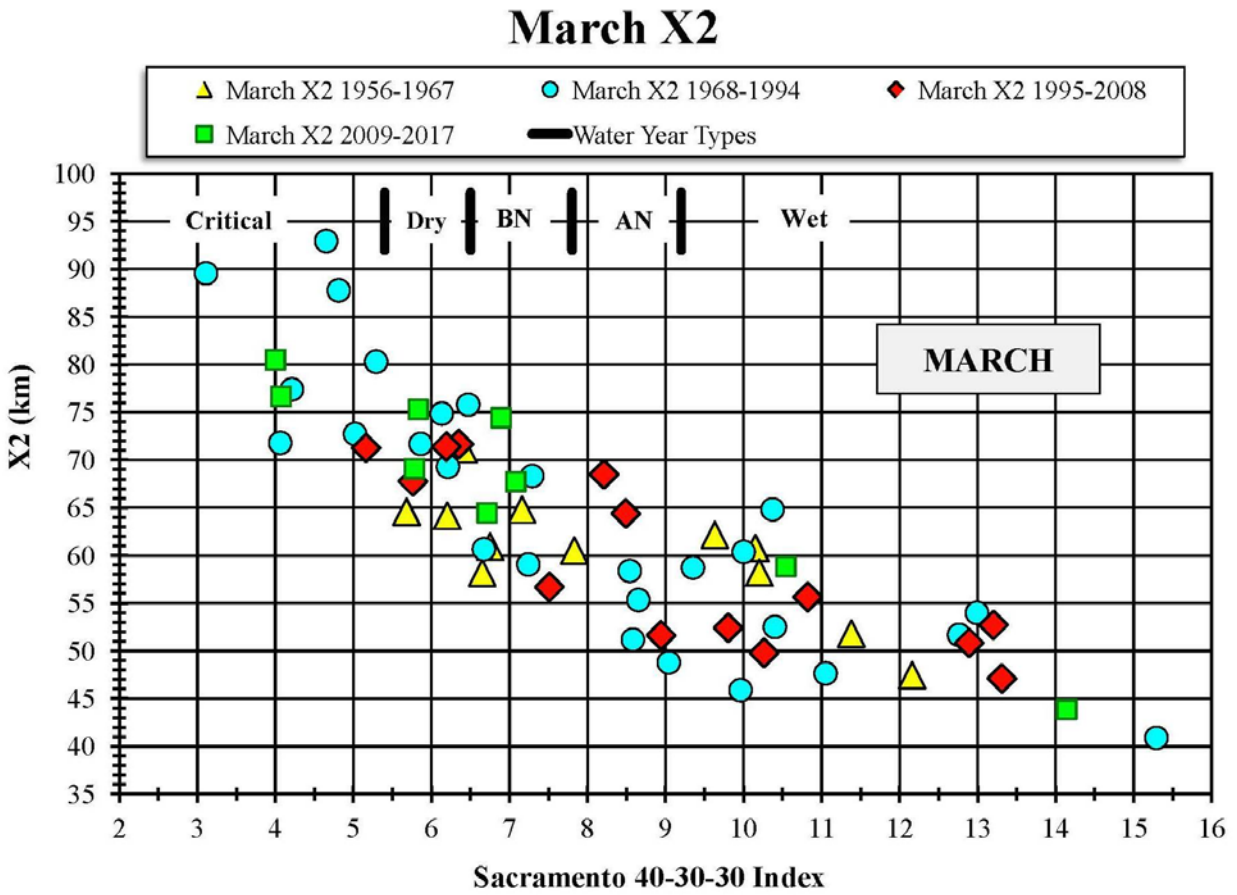


Figure 5: Historical monthly-averaged X2 for the month of March as a function of the Sacramento 40-30-30 water year index for the period 1956-2017. The data are categorized into four periods: Pre-SWP (1956-1967); Pre-Bay-Delta Accord (1968-1994), Post-Accord (1995-2008); and Post-2008-2009 Biological Opinions (2009-2017).

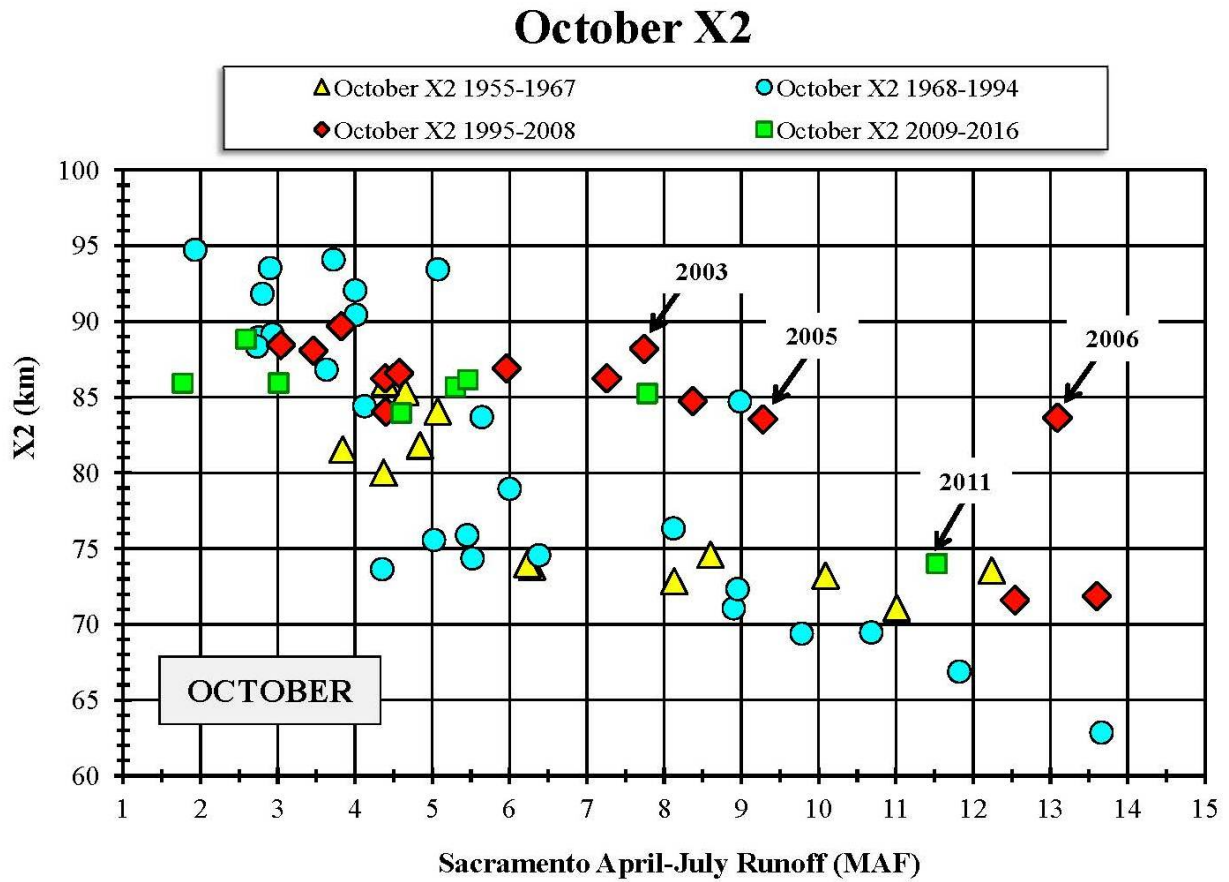


Figure 6: Historical monthly-averaged X2 for the month of October as a function of the Sacramento April-July unimpaired runoff for the period 1955-2016. The data are categorized into four periods: Pre-SWP (1955-1967); Pre-Bay-Delta Accord (1968-1994), Post-Accord (1995-2008); and Post-2008-2009 Biological Opinions (2009-2016).