APPENDIX D

RESERVOIR LEVEL FLUCTUATION GRAPHS

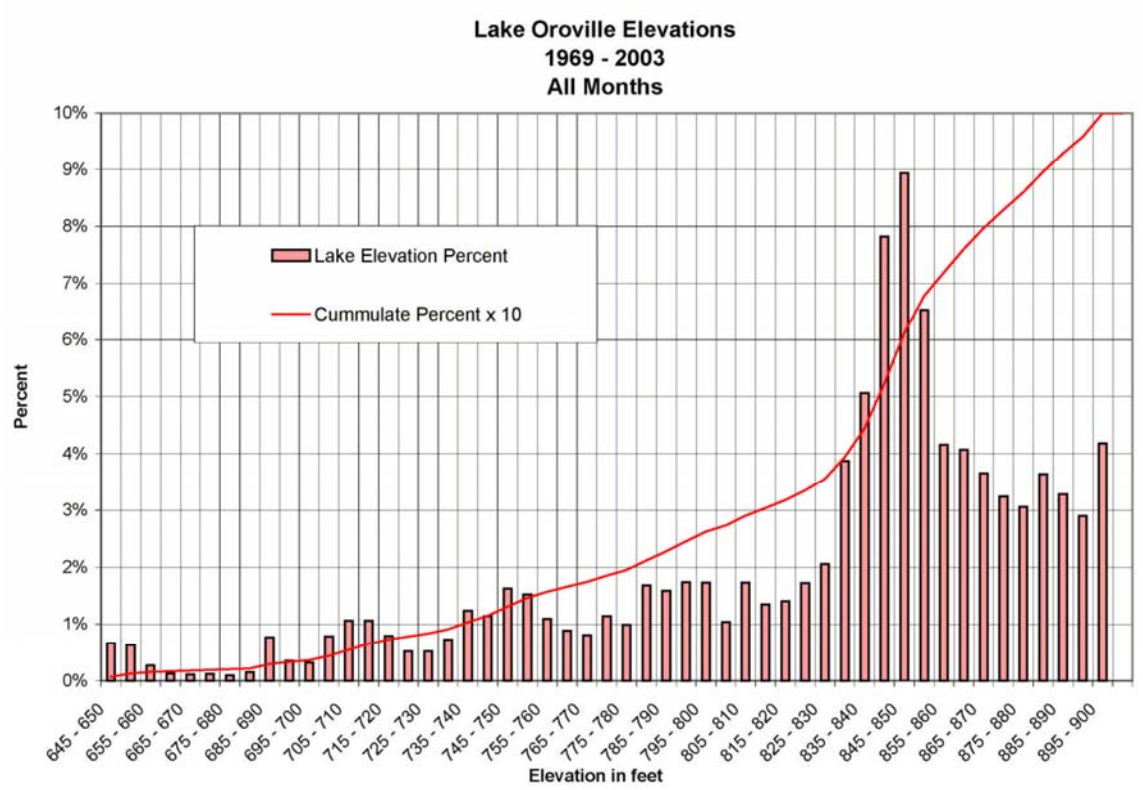
During the course of this study, reservoir level fluctuations were analyzed. Figures 6.2-3 and 6.4-1 in SP-G1 presented data on reservoir level fluctuations over nearly the entire life of the project from 1969 to 2003. It was noted that the range of fluctuation changed over time, with an overall greater range of fluctuation in the more recent years. Discussions with other Study Plan authors in the Environmental Work Group indicated a need for reservoir elevation frequency graphs for discrete time frames through the year (i.e. monthly graphs). This appendix contains reservoir level frequency graphs for the following criteria:

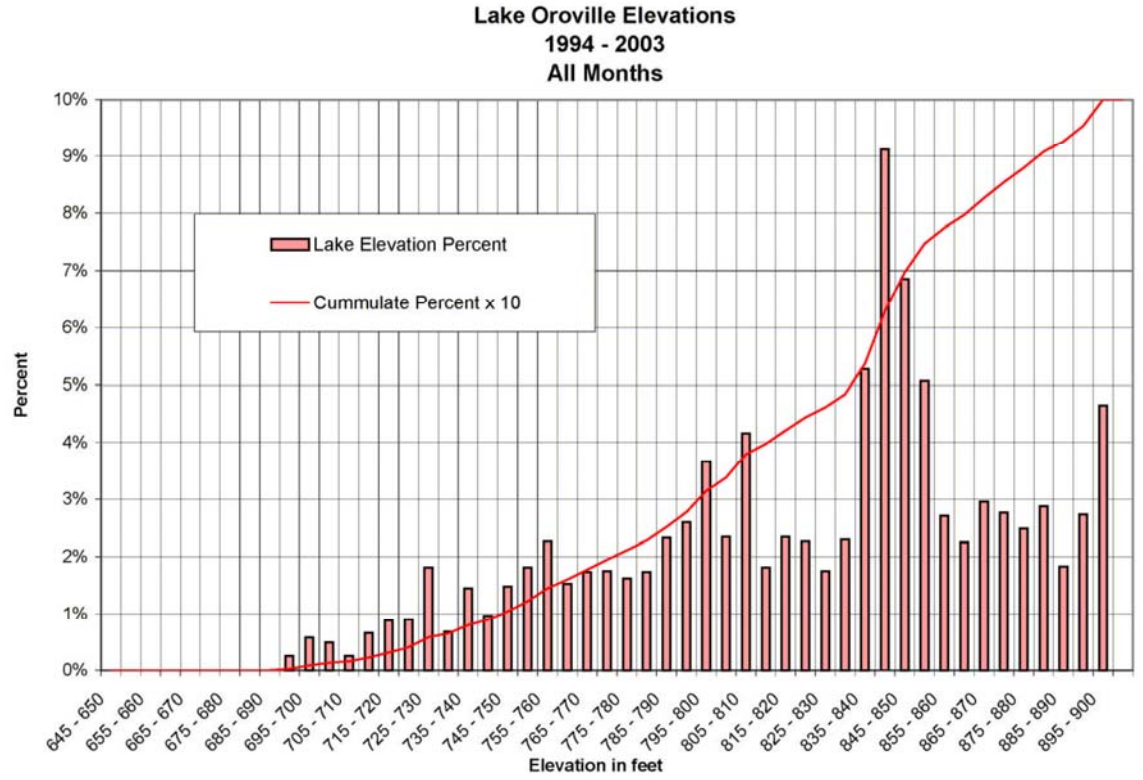
36 Year Time Frame (1969 to 2003)

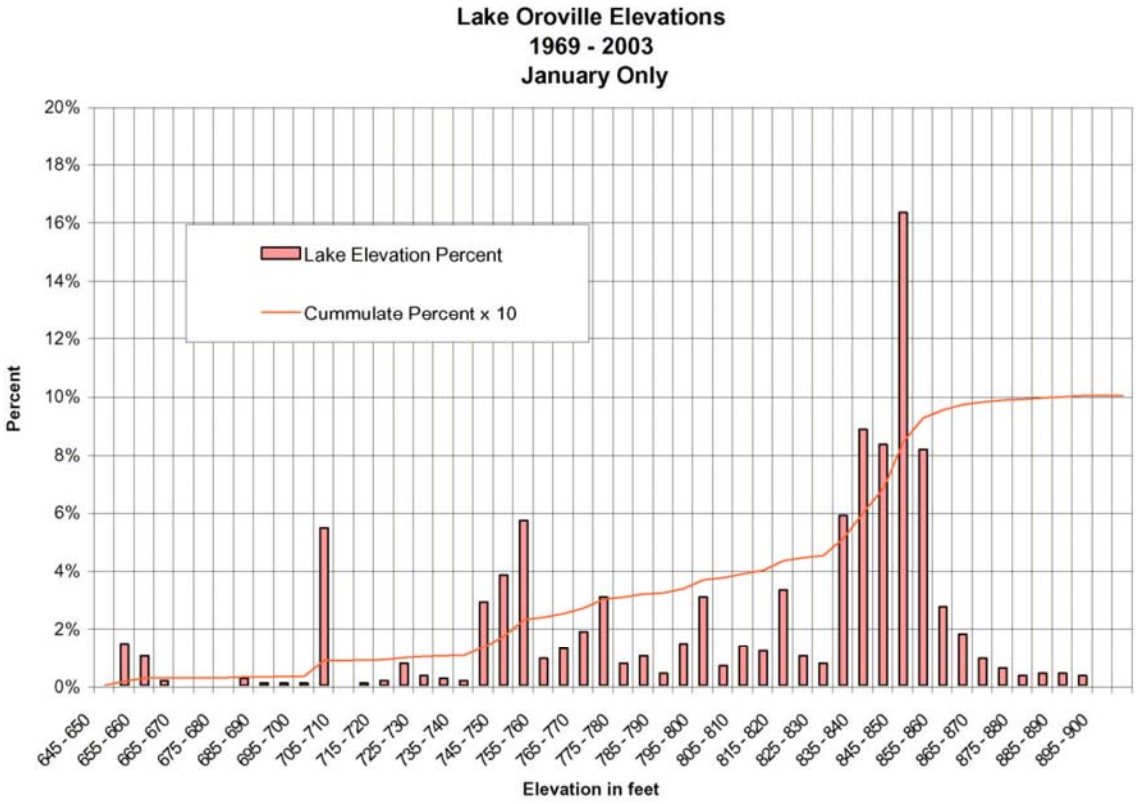
- All months combined
- January Only
- February Only
- March Only
- April Only
- May Only
- June Only
- July Only
- August Only
- September Only
- October Only
- November Only
- December Only

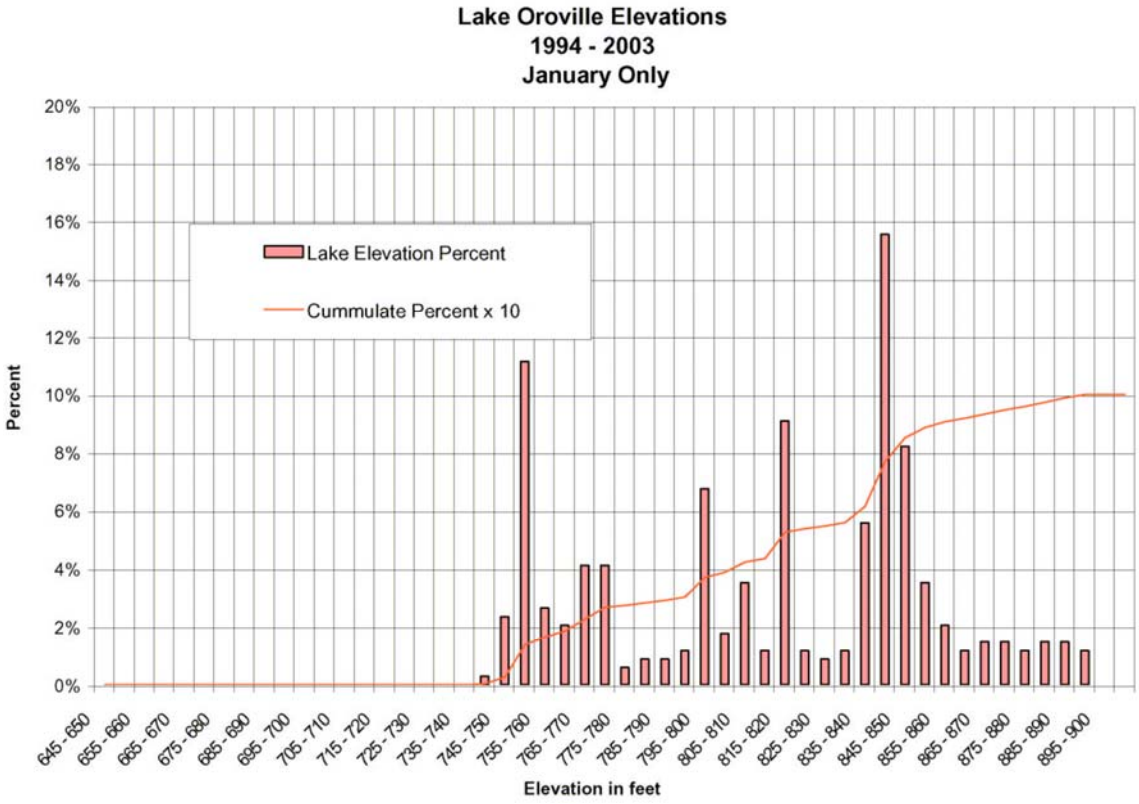
Last 10 Years Time Frame (1994 to 2003)

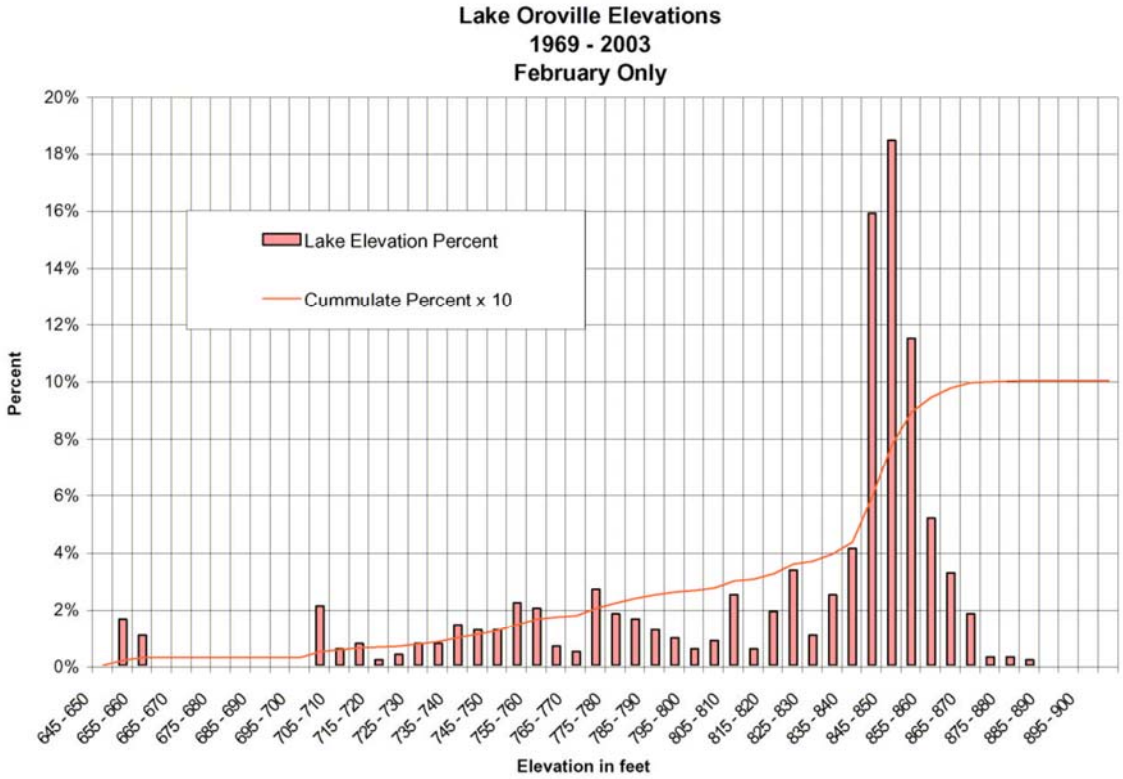
- All months combined
- January Only
- February Only
- March Only
- April Only
- May Only
- June Only
- July Only
- August Only
- September Only
- October Only
- November Only
- December Only

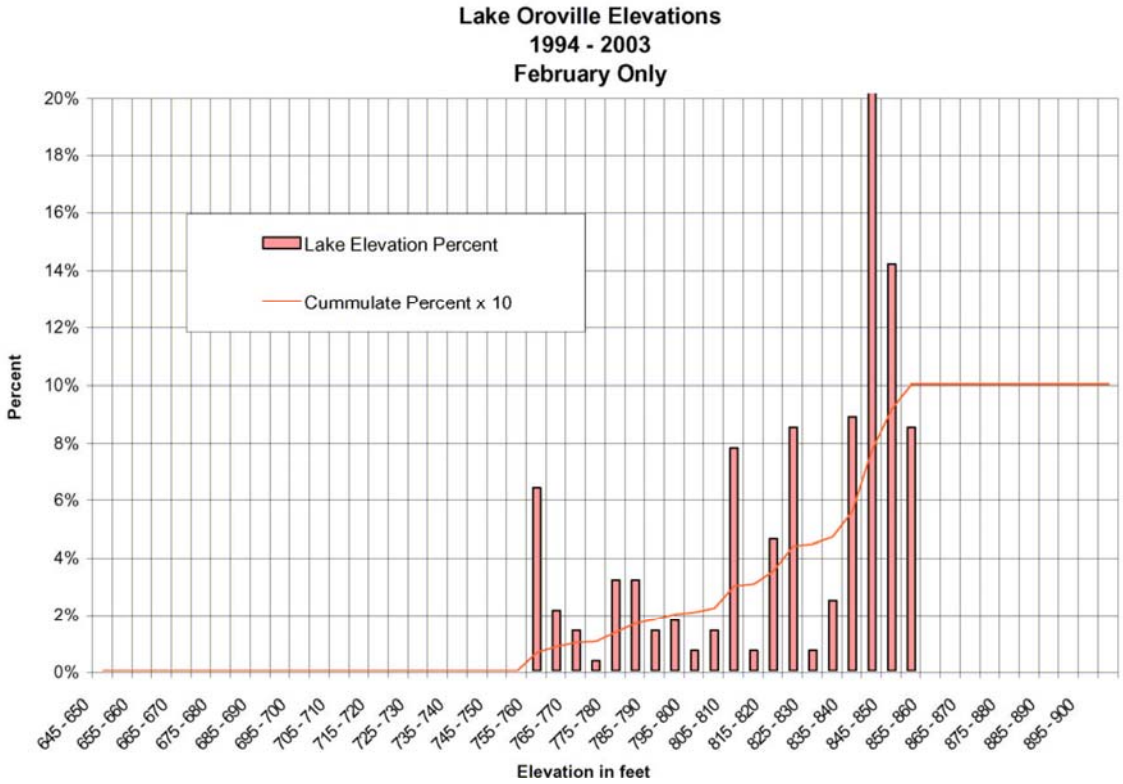

Lake Oroville Elevations
1969 - 2003
All Months
Lake Elevation Percent
Cummulate Percent x 10
Percent
10%
9%
8%
7%
6%
5%
4%
3%
2%
1%
0%
645 - 650
655 - 660
665 - 670
675 - 680
685 - 690
695 - 700
705 - 710
715 - 720
725 - 730
735 - 740
745 - 750
755 - 760
765 - 770
775 - 780
785 - 790
795 - 800
805 - 810
815 - 820
825 - 830
835 - 840
845 - 850
855 - 860
865 - 870
875 - 880
885 - 890
895 - 900
Elevation in feet

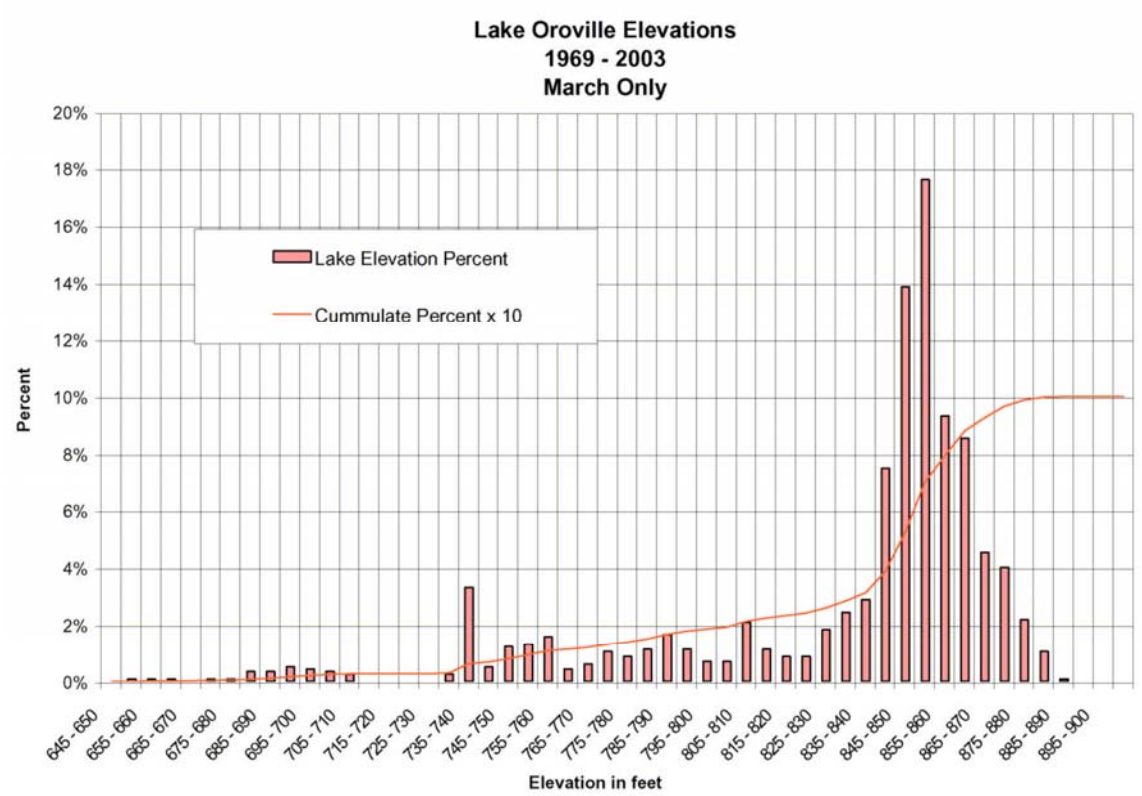

Lake Oroville Elevations
1994 - 2003
All Months
Lake Elevation Percent
Cummulate Percent x 10
Percent
10%
9%
8%
7%
6%
5%
4%
3%
2%
1%
0%
645 - 650
655 - 660
665 - 670
675 - 680
685 - 690
695 - 700
705 - 710
715 - 720
725 - 730
735 - 740
745 - 750
755 - 760
765 - 770
775 - 780
785 - 790
795 - 800
805 - 810
815 - 820
825 - 830
835 - 840
845 - 850
855 - 860
865 - 870
875 - 880
885 - 890
895 - 900
Elevation in feet

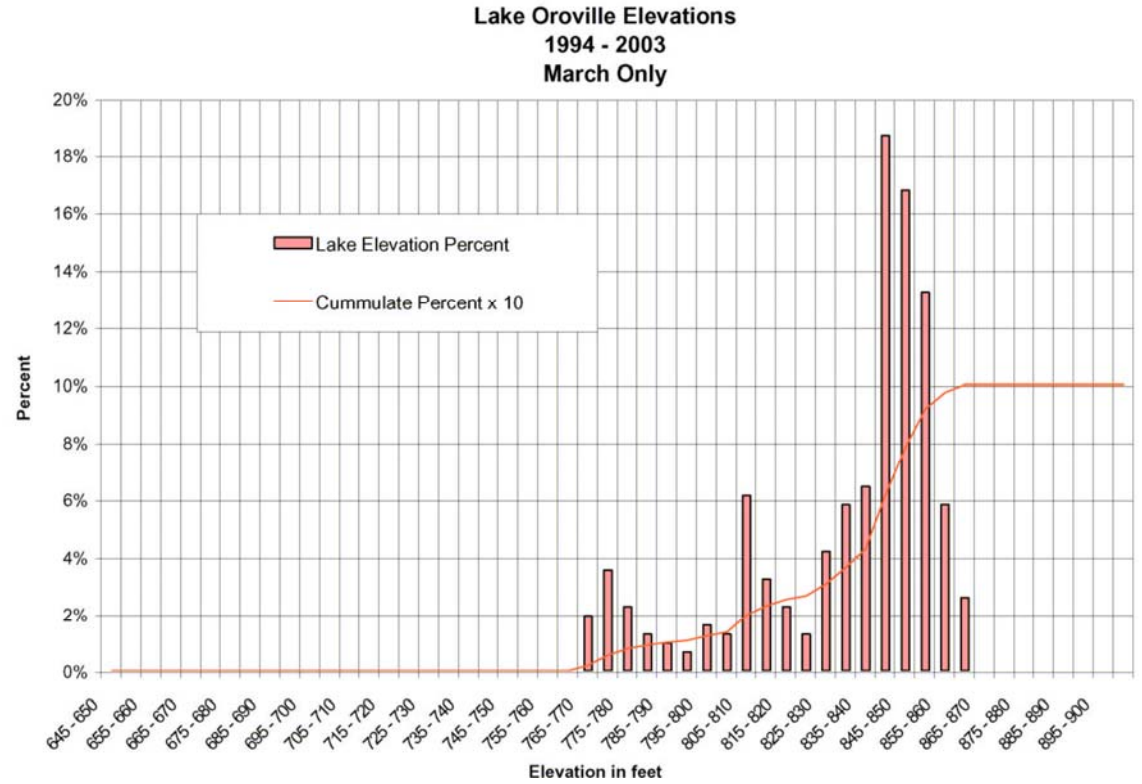

Lake Oroville Elevations
1969 - 2003
January Only
Lake Elevation Percent
Cummulate Percent x 10
Percent
20%
18%
16%
14%
12%
10%
8%
6%
4%
2%
0%
645-650
655-660
665-670
675-680
685-690
695-700
705-710
715-720
725-730
735-740
745-750
755-760
765-770
775-780
785-790
795-800
805-810
815-820
825-830
835-840
845-850
855-860
865-870
875-880
885-890
895-900
Elevation in feet

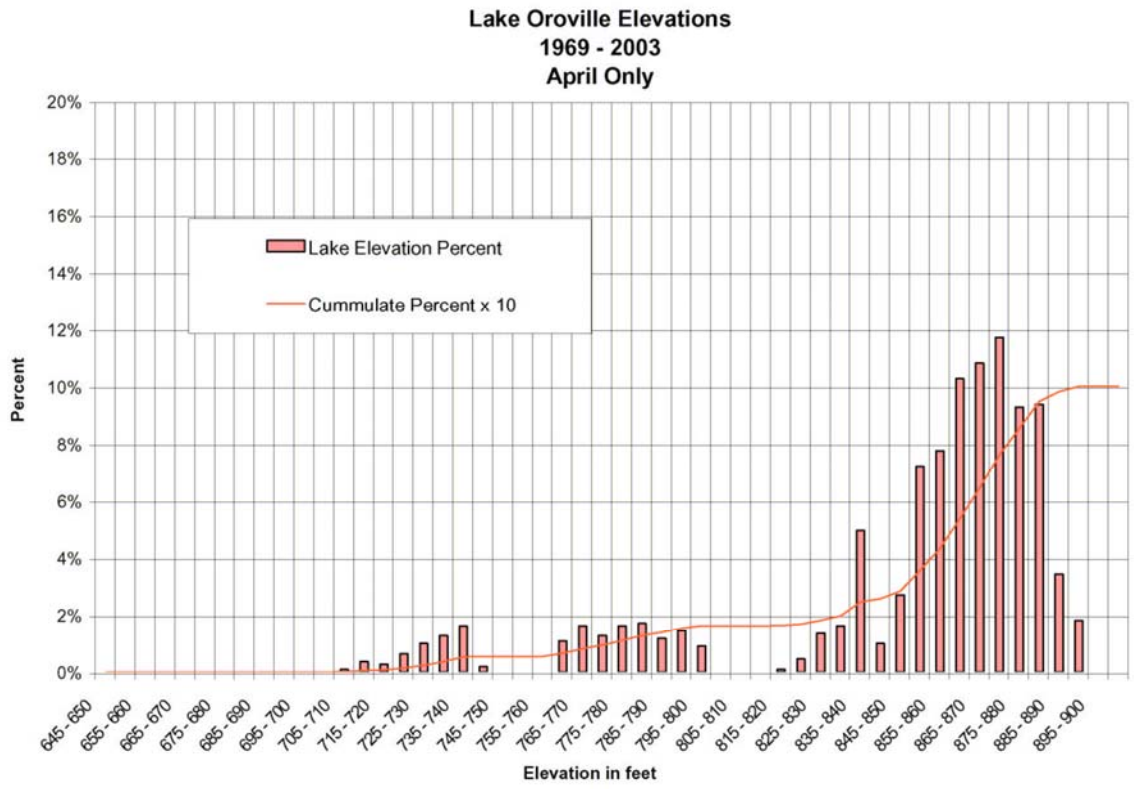

Lake Oroville Elevations
1994 - 2003
January Only
Lake Elevation Percent
Cummulate Percent x 10
Percent
20%
18%
16%
14%
12%
10%
8%
6%
4%
2%
0%
645-650
655-660
665-670
675-680
685-690
695-700
705-710
715-720
725-730
735-740
745-750
755-760
765-770
775-780
785-790
795-800
805-810
815-820
825-830
835-840
845-850
855-860
865-870
875-880
885-890
895-900
Elevation in feet

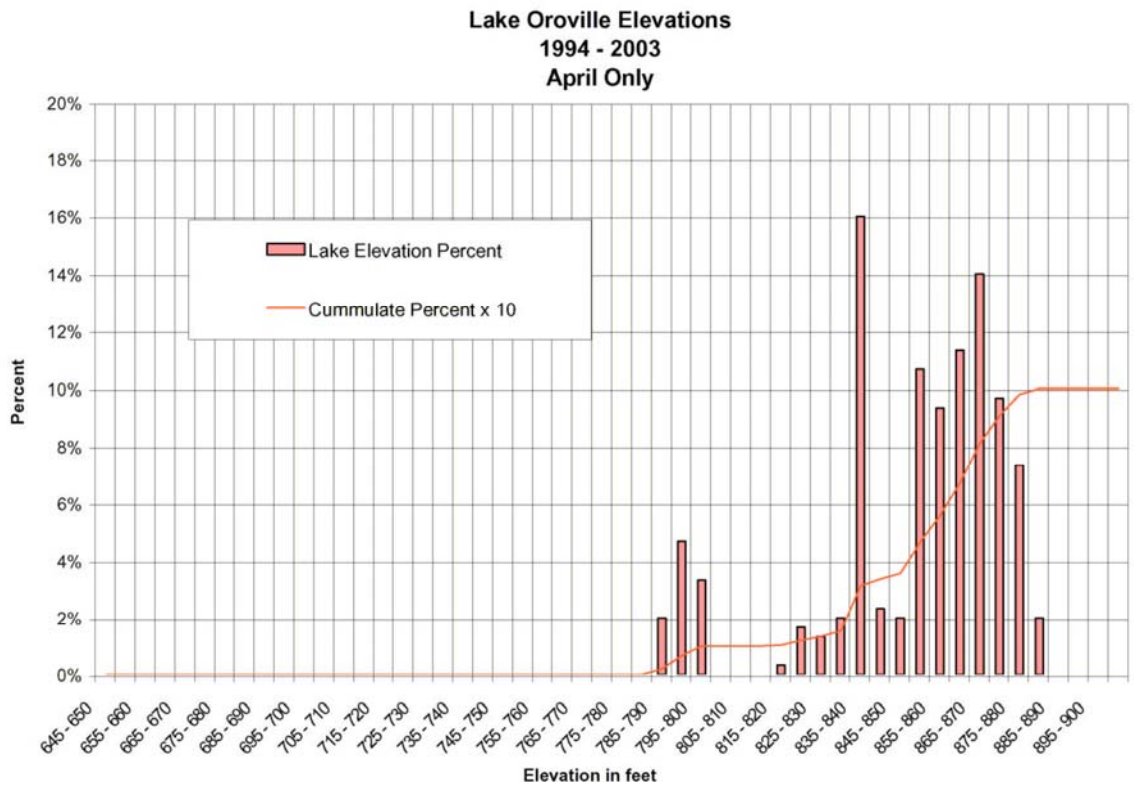

Lake Oroville Elevations
1969 - 2003
February Only
Lake Elevation Percent
Cummulate Percent x 10
Percent
Elevation in feet

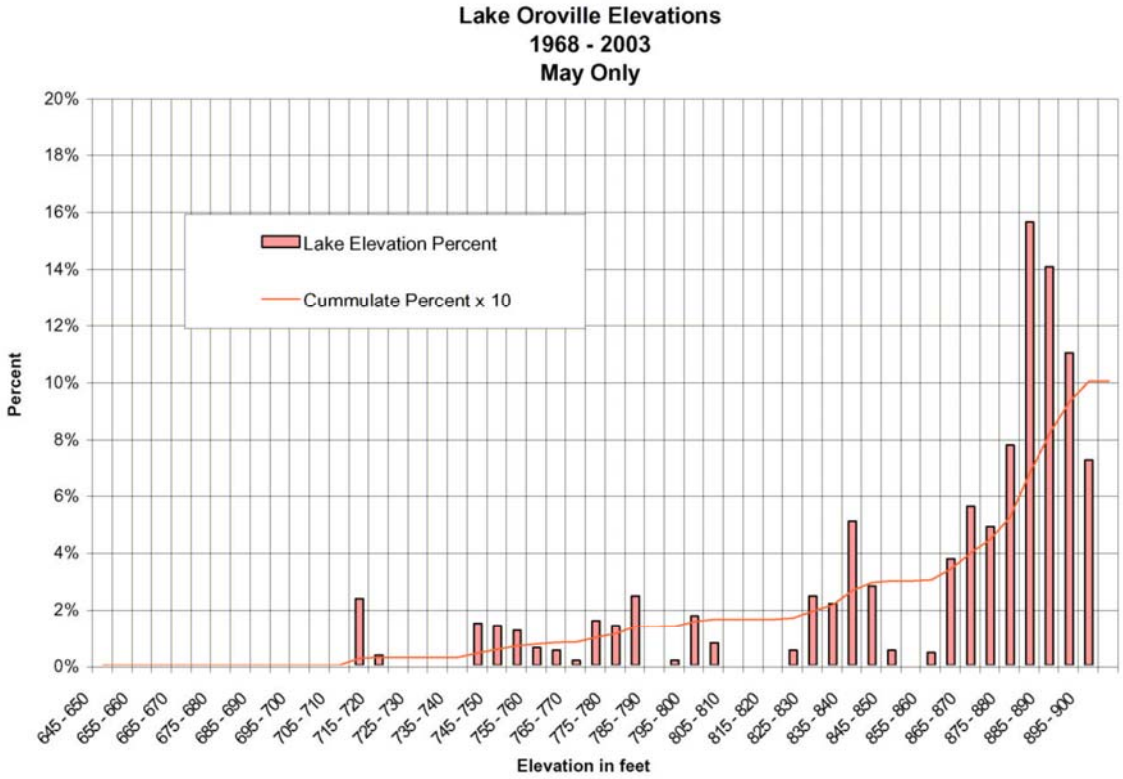

Lake Oroville Elevations
1994 - 2003
February Only
Lake Elevation Percent
Cummulate Percent x 10
Percent
Elevation in feet

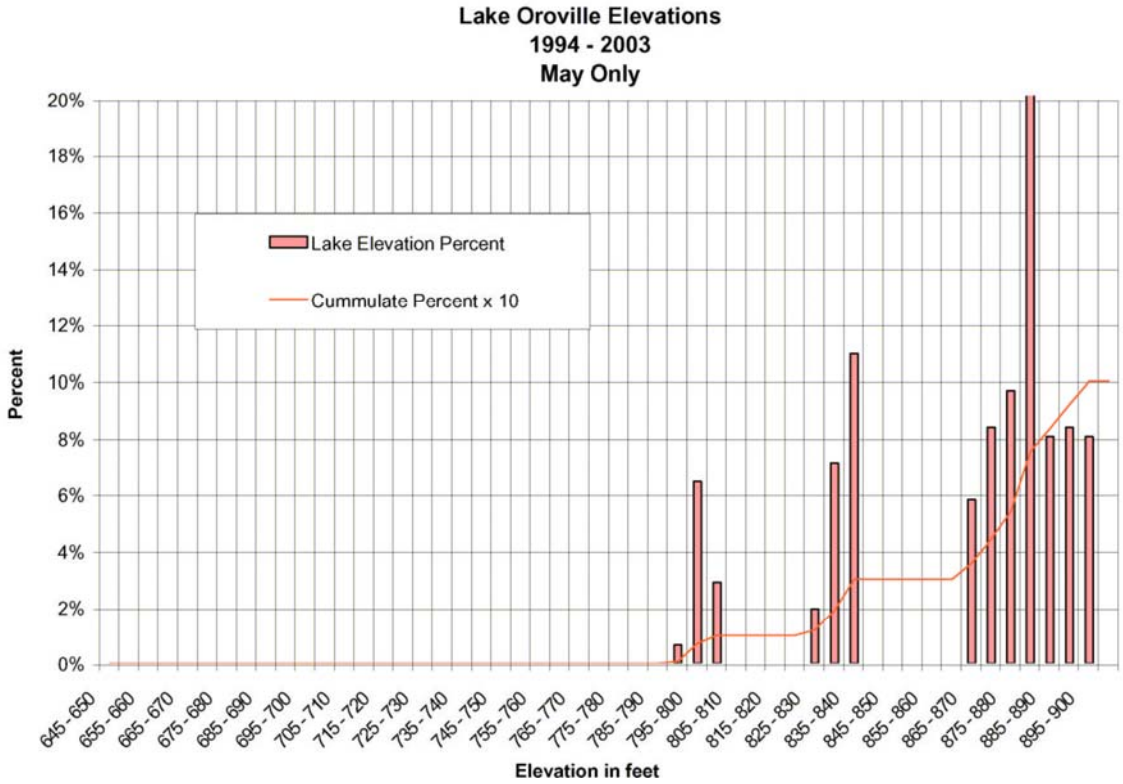

Lake Oroville Elevations
1969 - 2003
March Only
Lake Elevation Percent
Cummulate Percent x 10
Percent
Elevation in feet

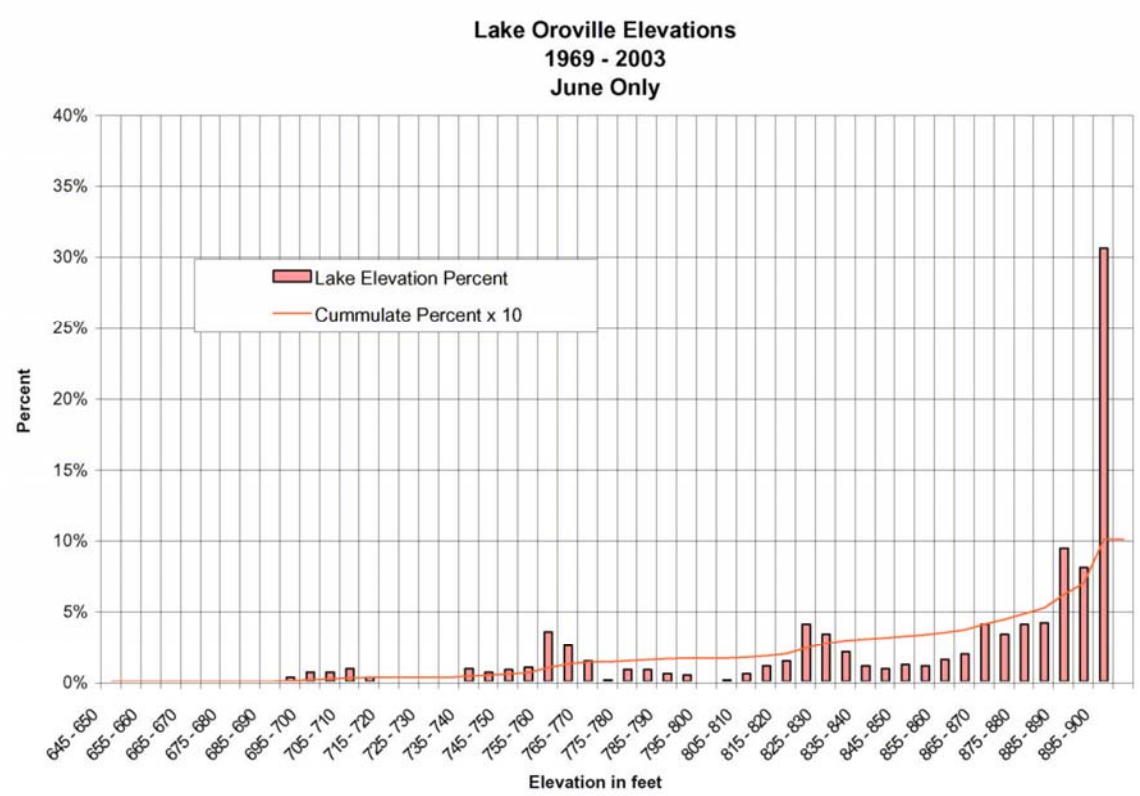

Lake Oroville Elevations
1994 - 2003
March Only
Lake Elevation Percent
Cummulate Percent x 10
Percent
Elevation in feet

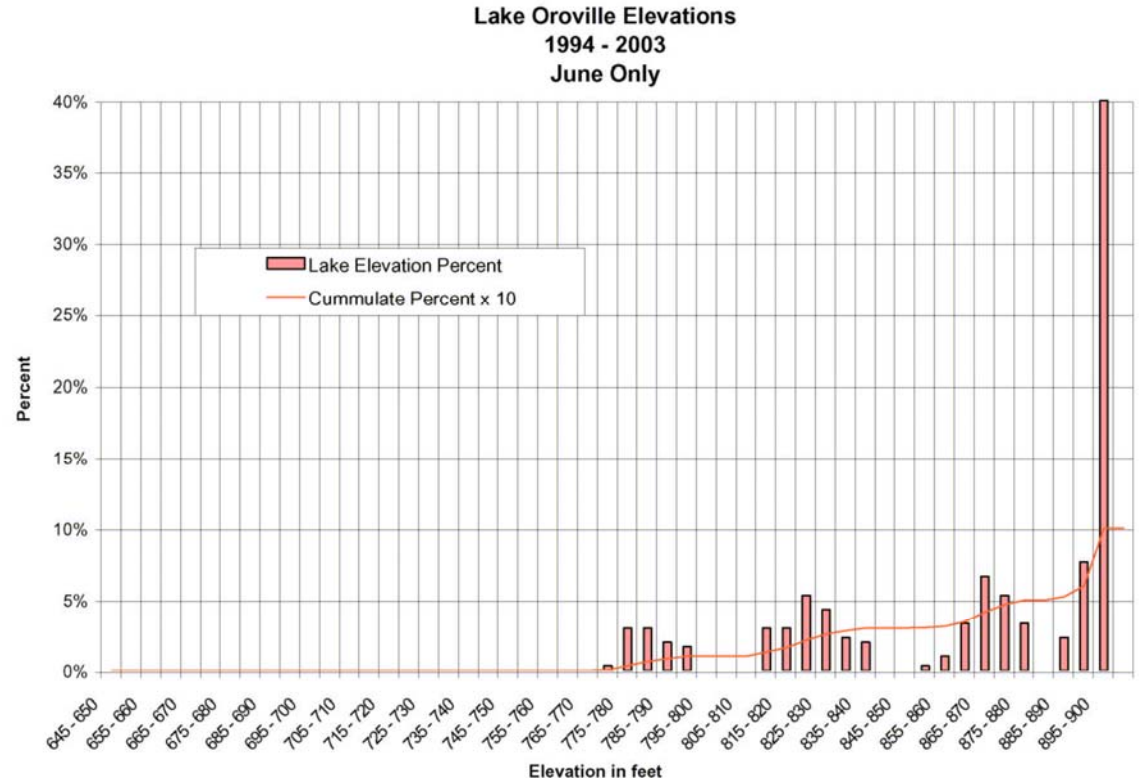

Lake Oroville Elevations
1969 - 2003
April Only
Lake Elevation Percent
Cummulate Percent x 10
Percent
Elevation in feet

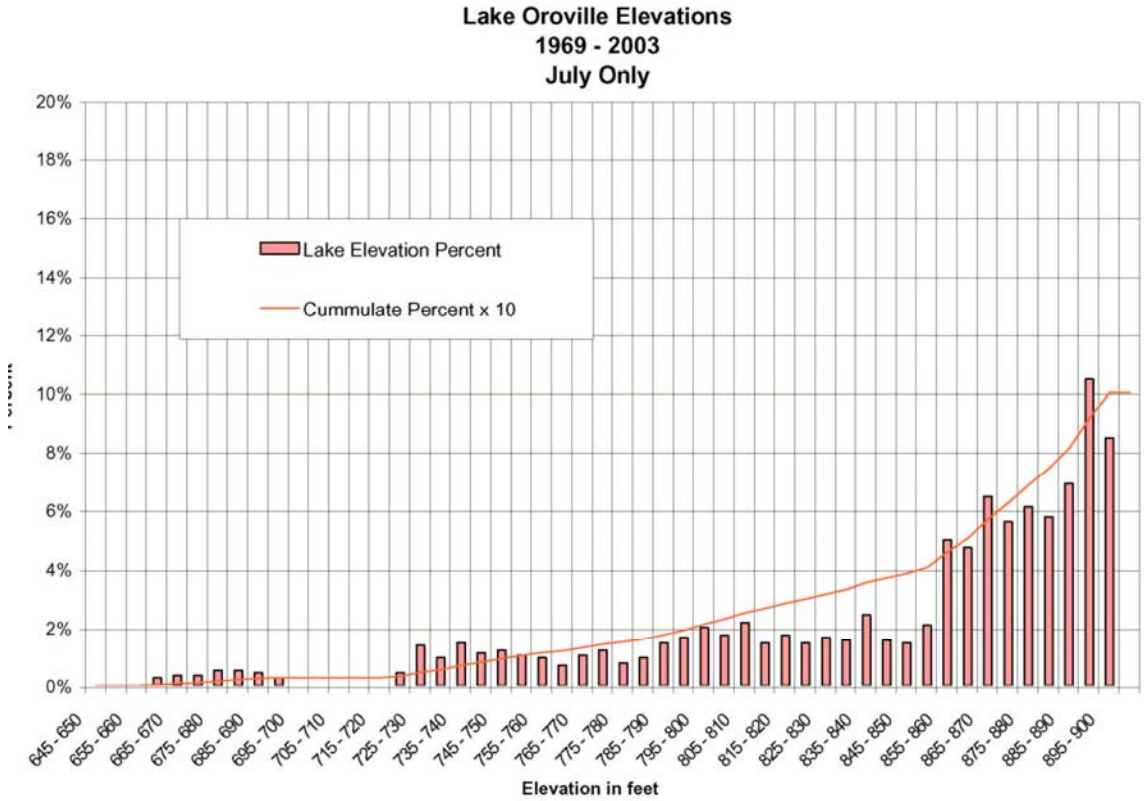

Lake Oroville Elevations
1994 - 2003
April Only
Lake Elevation Percent
Cummulate Percent x 10
Percent
Elevation in feet


Lake Oroville Elevations
1968 - 2003
May Only
Lake Elevation Percent
Cummulate Percent x 10
Percent
Elevation in feet


Lake Oroville Elevations
1994 - 2003
May Only
Lake Elevation Percent
Cummulate Percent x 10
Percent
Elevation in feet


Lake Oroville Elevations
1969 - 2003
June Only
Lake Elevation Percent
Cummulate Percent x 10
Percent
Elevation in feet


Lake Oroville Elevations
1994 - 2003
June Only
Lake Elevation Percent
Cummulate Percent x 10
Percent
Elevation in feet


Lake Oroville Elevations
1969 - 2003
July Only
Lake Elevation Percent
Cummulate Percent x 10
20%
18%
16%
14%
12%
10%
8%
6%
4%
2%
0%
645-650
655-660
665-670
675-680
685-690
695-700
705-710
715-720
725-730
735-740
745-750
755-760
765-770
775-780
785-790
795-800
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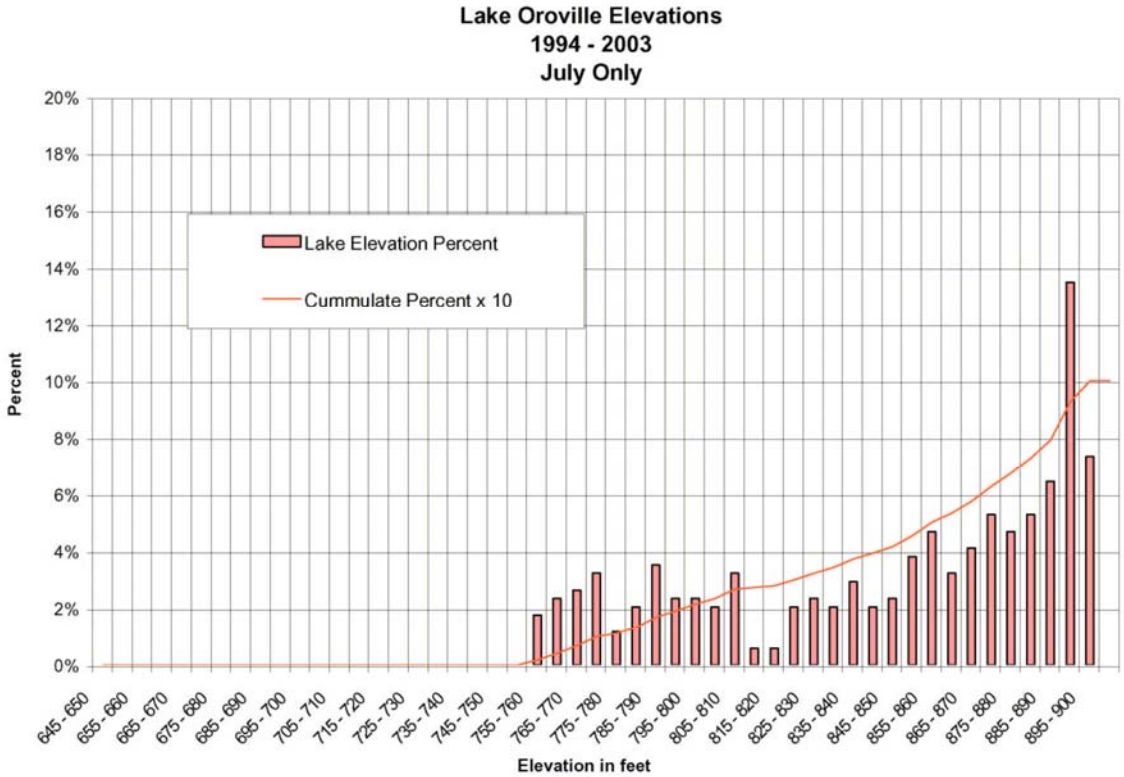
825-830
835-840
845-850
855-860
865-870
875-880
885-890
895-900
Elevation in feet


Lake Oroville Elevations
1994 - 2003
July Only
Lake Elevation Percent
Cummulate Percent x 10
Percent
20%
18%
16%
14%
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10%
8%
6%
4%
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645-650
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665-670
675-680
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695-700
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715-720
725-730
735-740
745-750
755-760
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785-790
795-800
805-810
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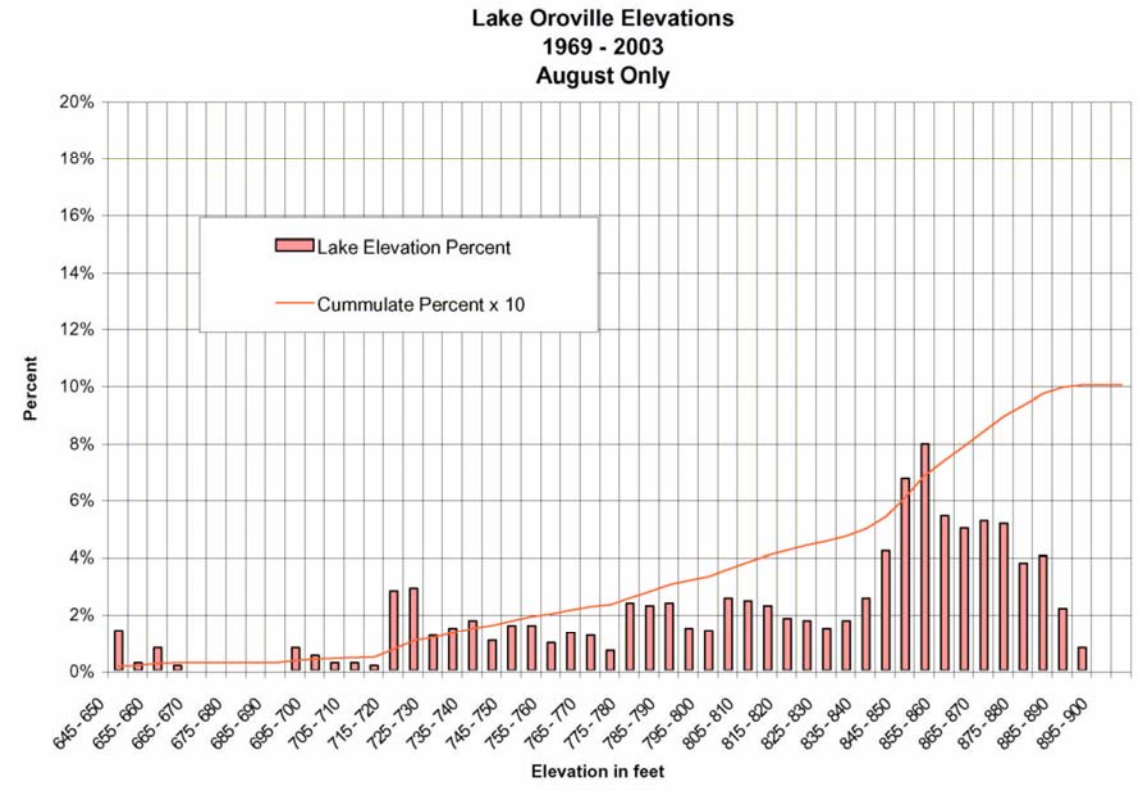
825-830
835-840
845-850
855-860
865-870
875-880
885-890
895-900
Elevation in feet


Lake Oroville Elevations
1969 - 2003
August Only
Lake Elevation Percent
Cummulate Percent x 10
Percent
20%
18%
16%
14%
12%
10%
8%
6%
4%
2%
0%
645-650
655-660
665-670
675-680
685-690
695-700
705-710
715-720
725-730
735-740
745-750
755-760
765-770
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785-790
795-800
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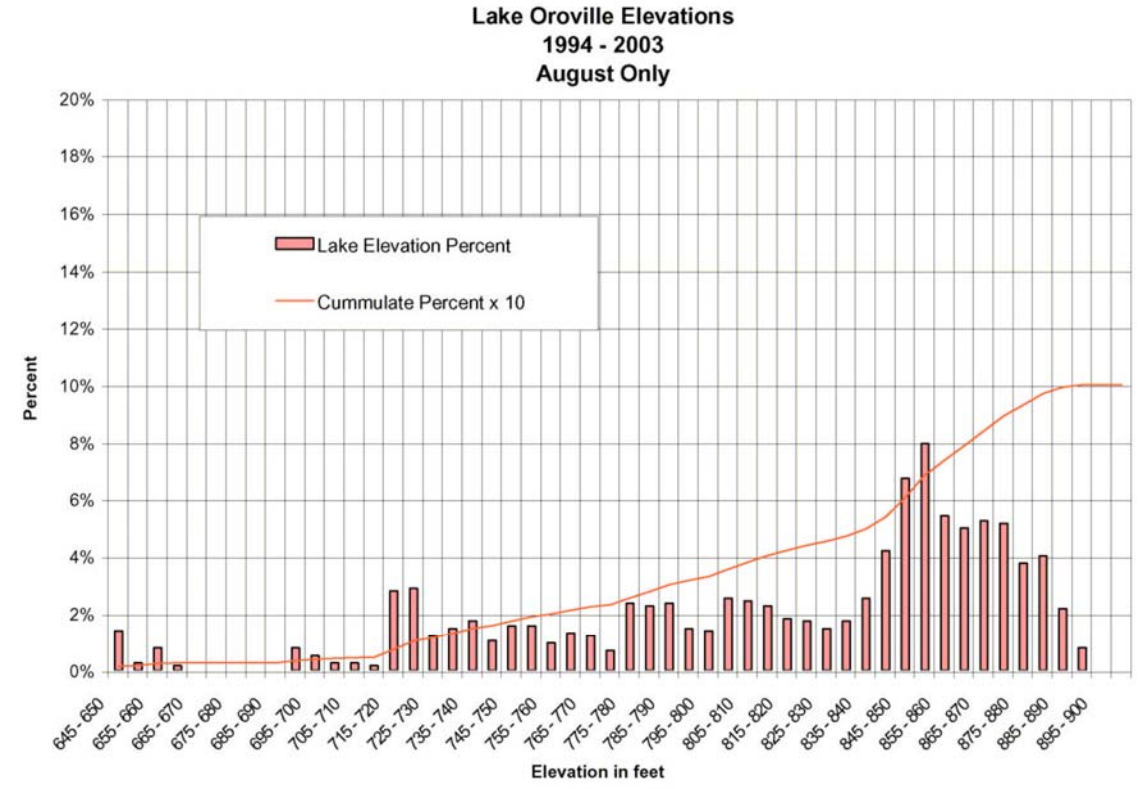
815-820
825-830
835-840
845-850
855-860
865-870
875-880
885-890
895-900
Elevation in feet


Lake Oroville Elevations
1994 - 2003
August Only
Lake Elevation Percent
Cummulate Percent x 10
Percent
20%
18%
16%
14%
12%
10%
8%
6%
4%
2%
0%
645-650
655-660
665-670
675-680
685-690
695-700
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825-830
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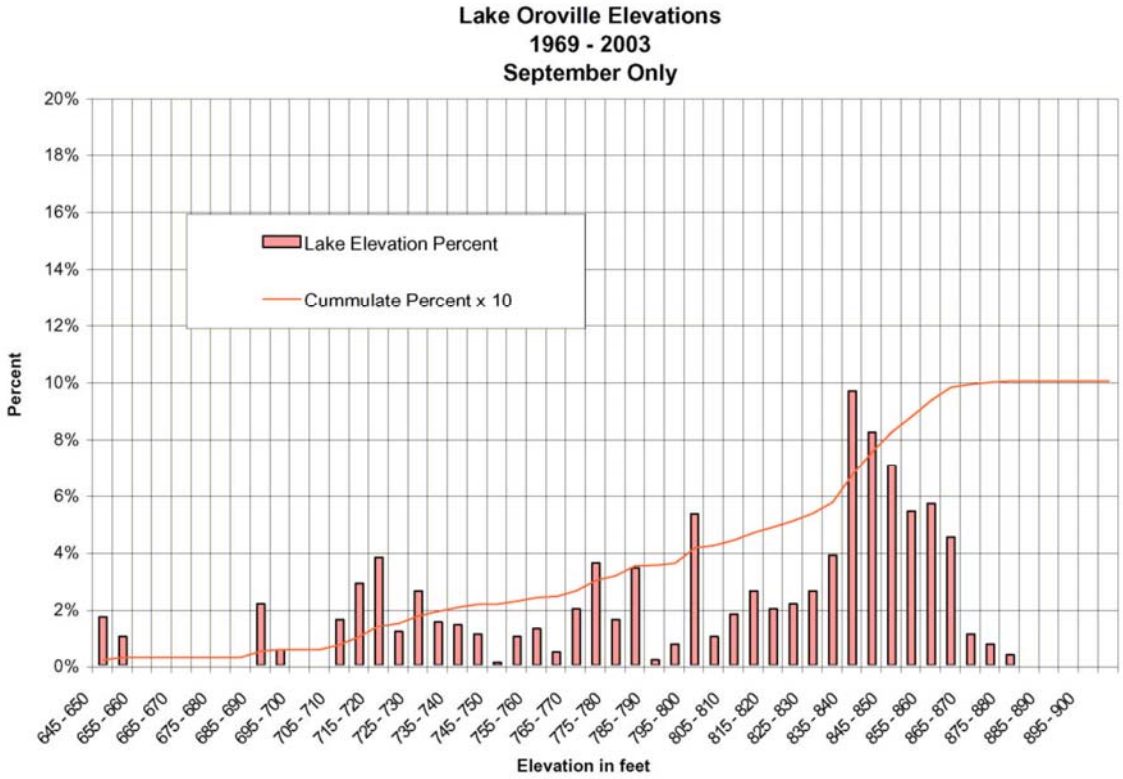
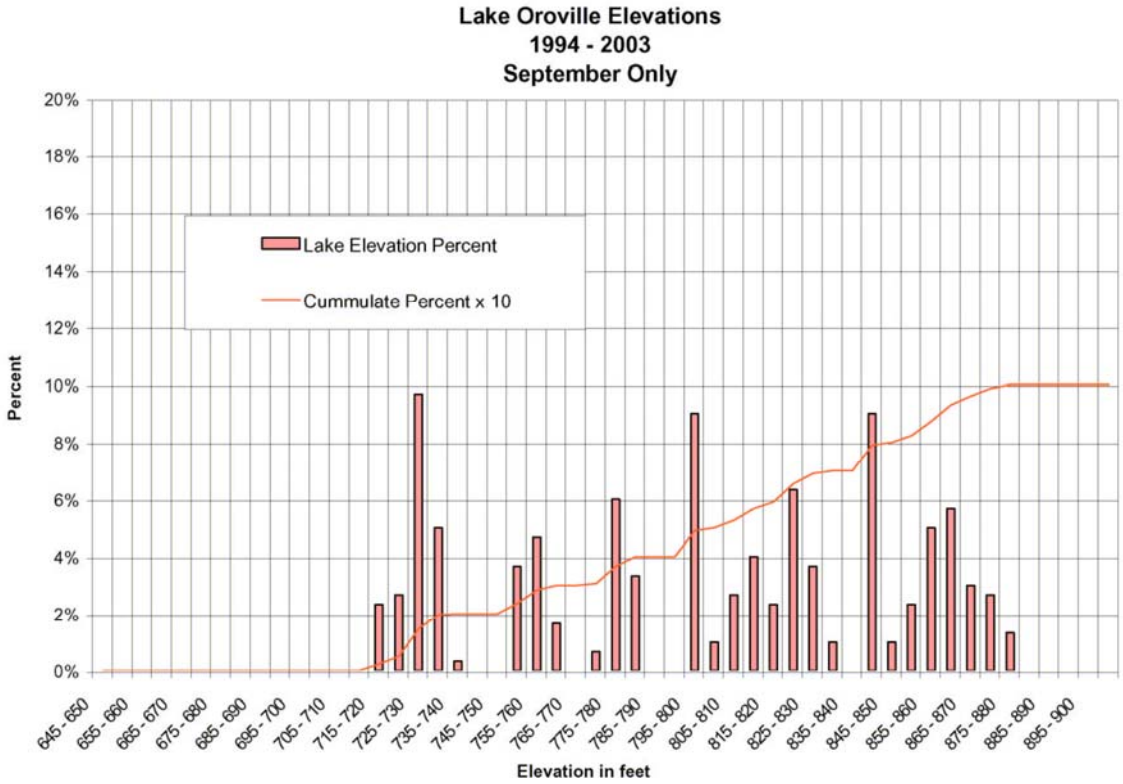
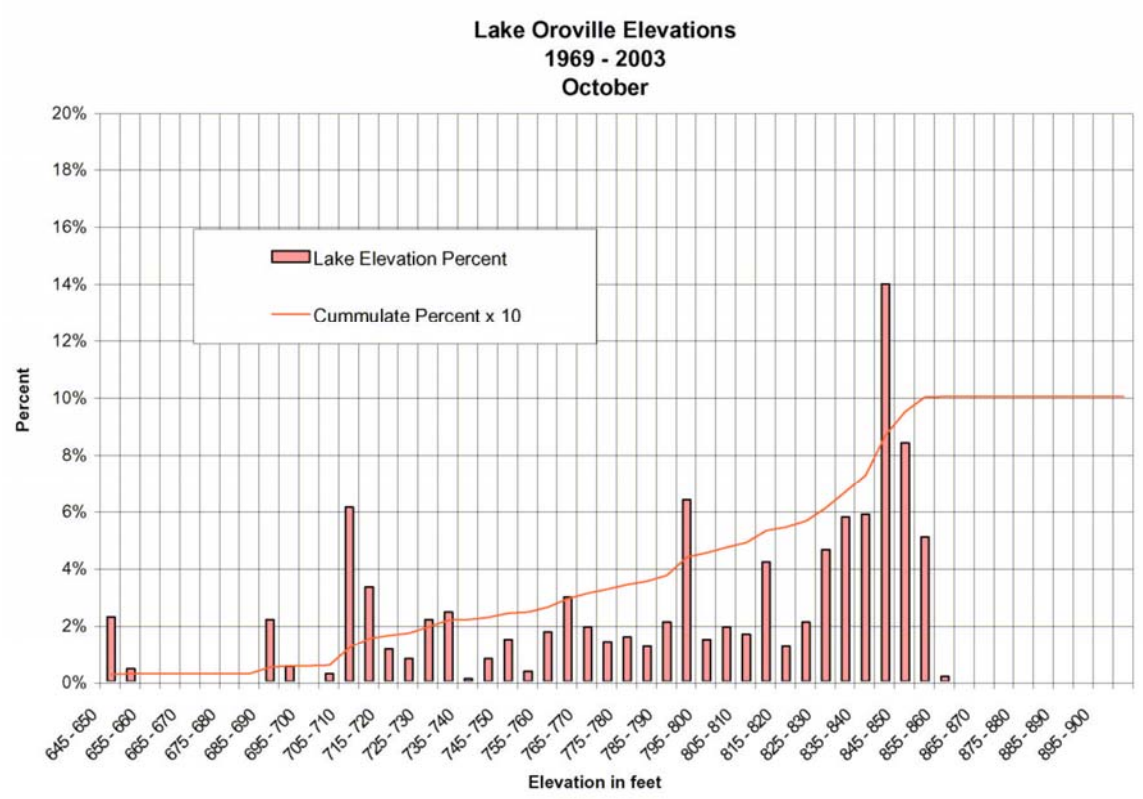
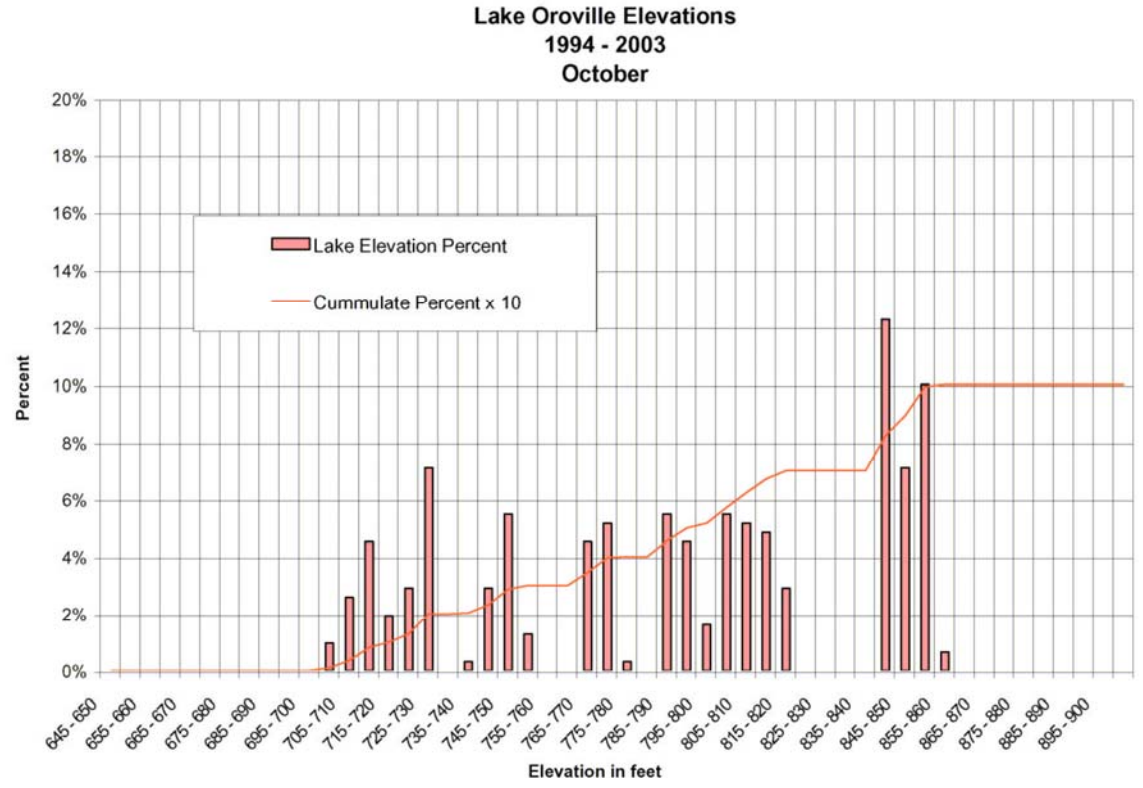
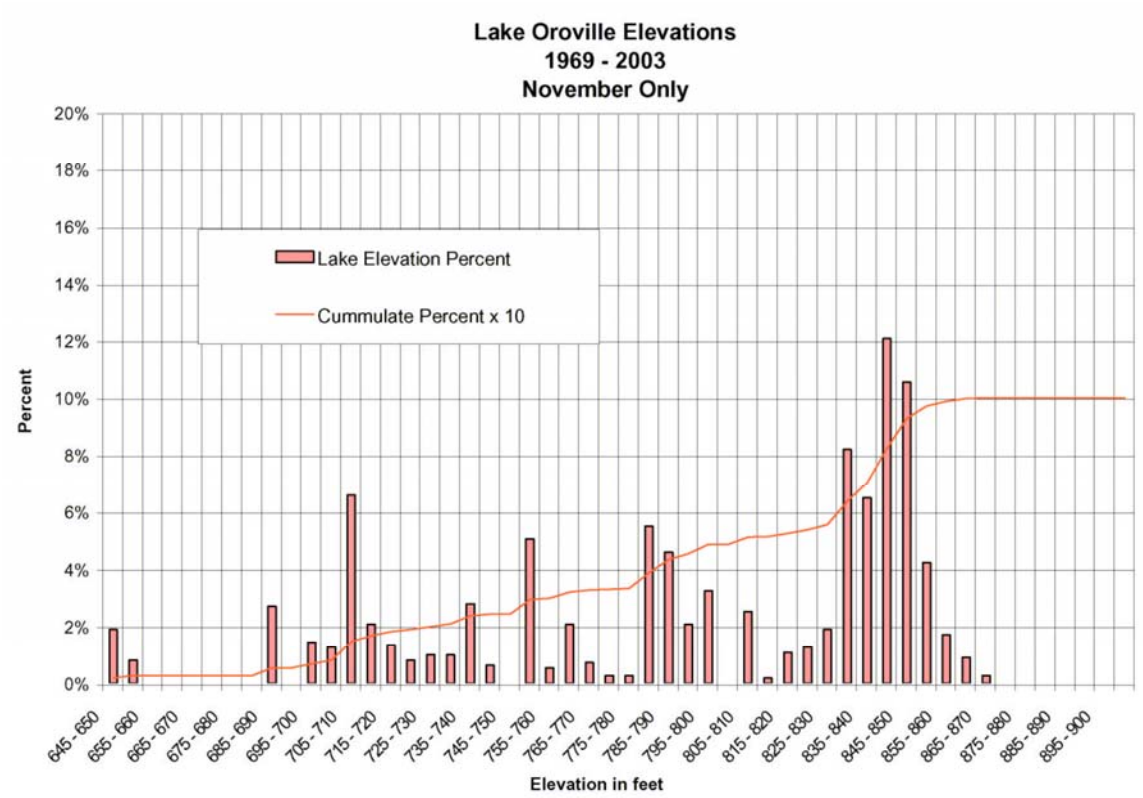
845-850
855-860
865-870
875-880
885-890
895-900
Elevation in feet

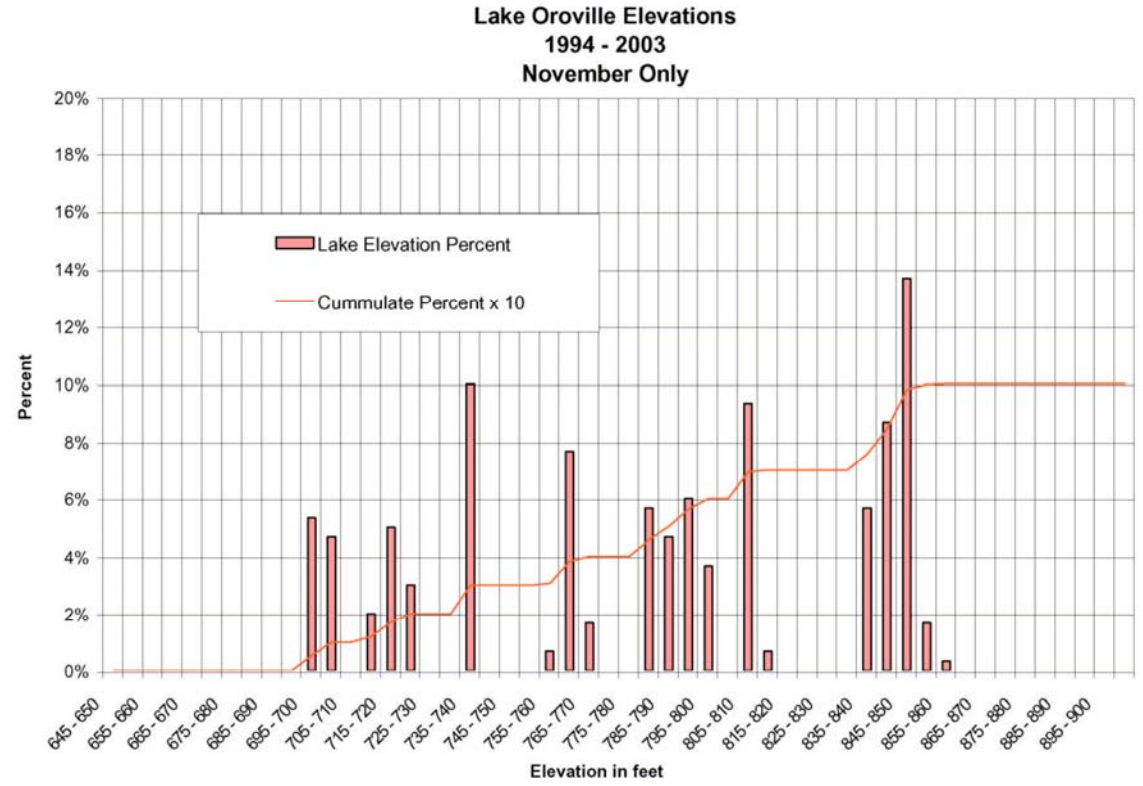

Lake Oroville Elevations
1969 - 2003
September Only
Lake Elevation Percent
Cummulate Percent x 10
Percent
Elevation in feet

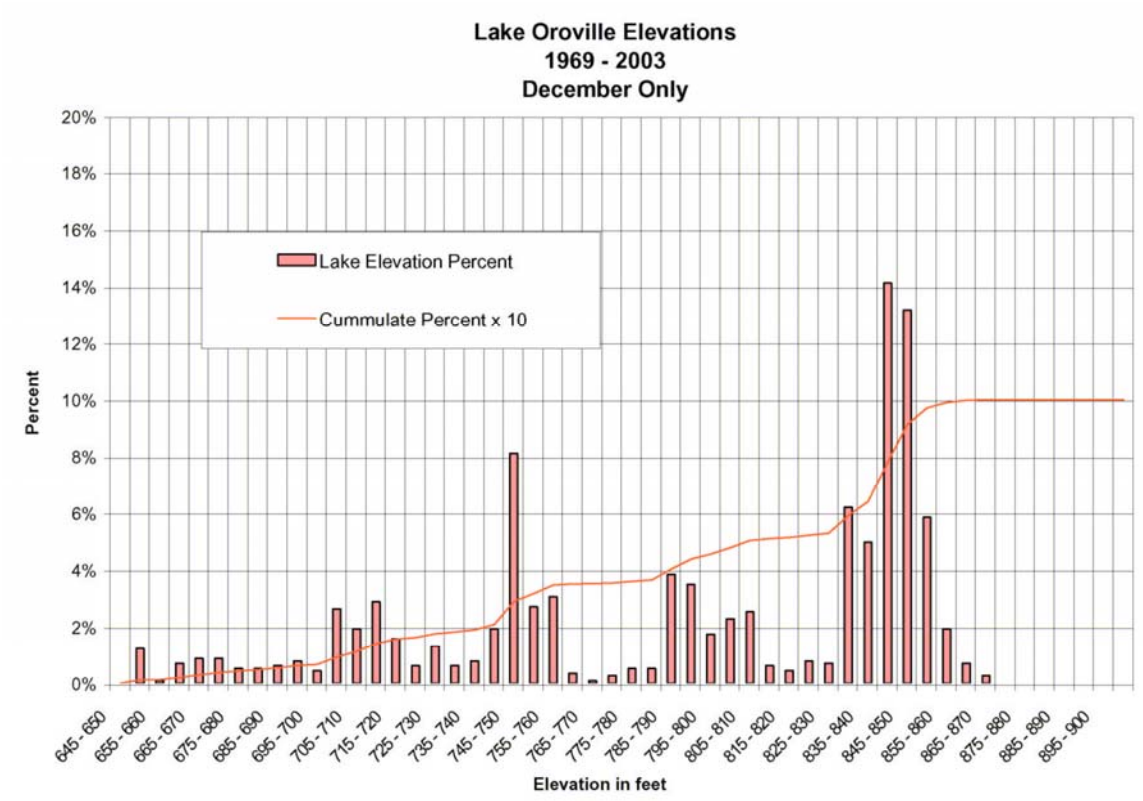

Lake Oroville Elevations
1994 - 2003
September Only
Lake Elevation Percent
Cummulate Percent x 10
Percent
Elevation in feet

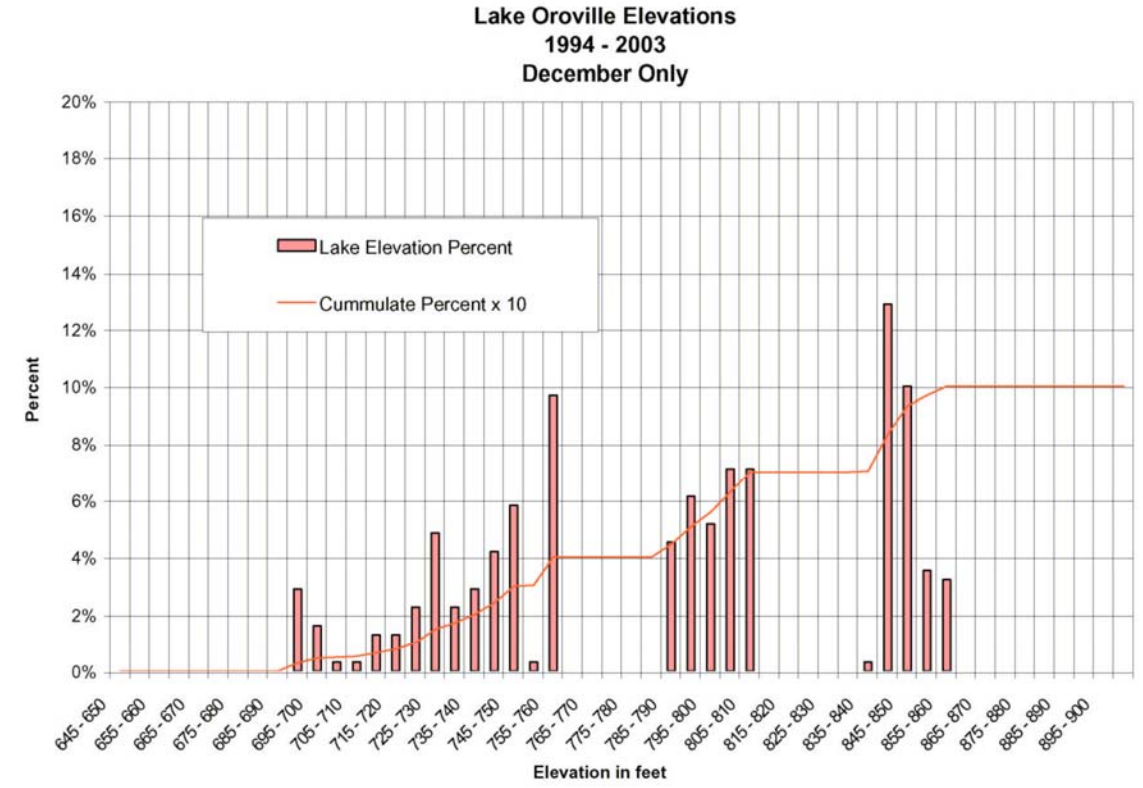

Lake Oroville Elevations
1969 - 2003
October
Lake Elevation Percent
Cummulate Percent x 10
Percent
Elevation in feet


Lake Oroville Elevations
1994 - 2003
October
Lake Elevation Percent
Cummulate Percent x 10
Percent
Elevation in feet


Lake Oroville Elevations
1969 - 2003
November Only
Lake Elevation Percent
Cummulate Percent x 10
Percent
Elevation in feet


Lake Oroville Elevations
1994 - 2003
November Only
Lake Elevation Percent
Cummulate Percent x 10
Percent
Elevation in feet


Lake Oroville Elevations
1969 - 2003
December Only
Lake Elevation Percent
Cummulate Percent x 10
Percent
Elevation in feet


Lake Oroville Elevations
1994 - 2003
December Only
Lake Elevation Percent
Cummulate Percent x 10
Percent
Elevation in feet