RECLAMATION

Managing Water in the West

Idaho Water Supply Committee Meeting

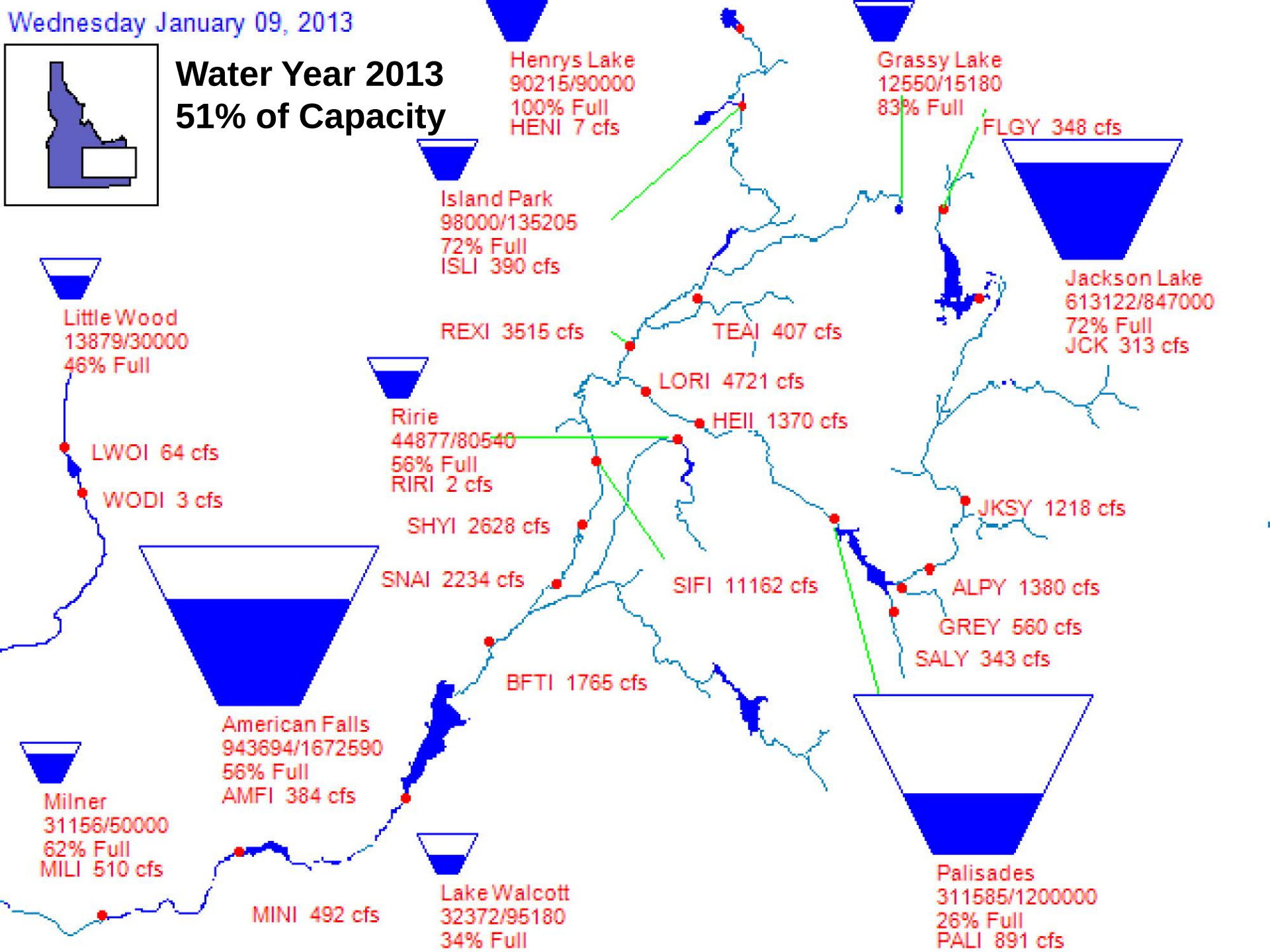
Upper Snake Reservoir Operations

January 10, 2014

U.S. Department of the Interior
Bureau of Reclamation

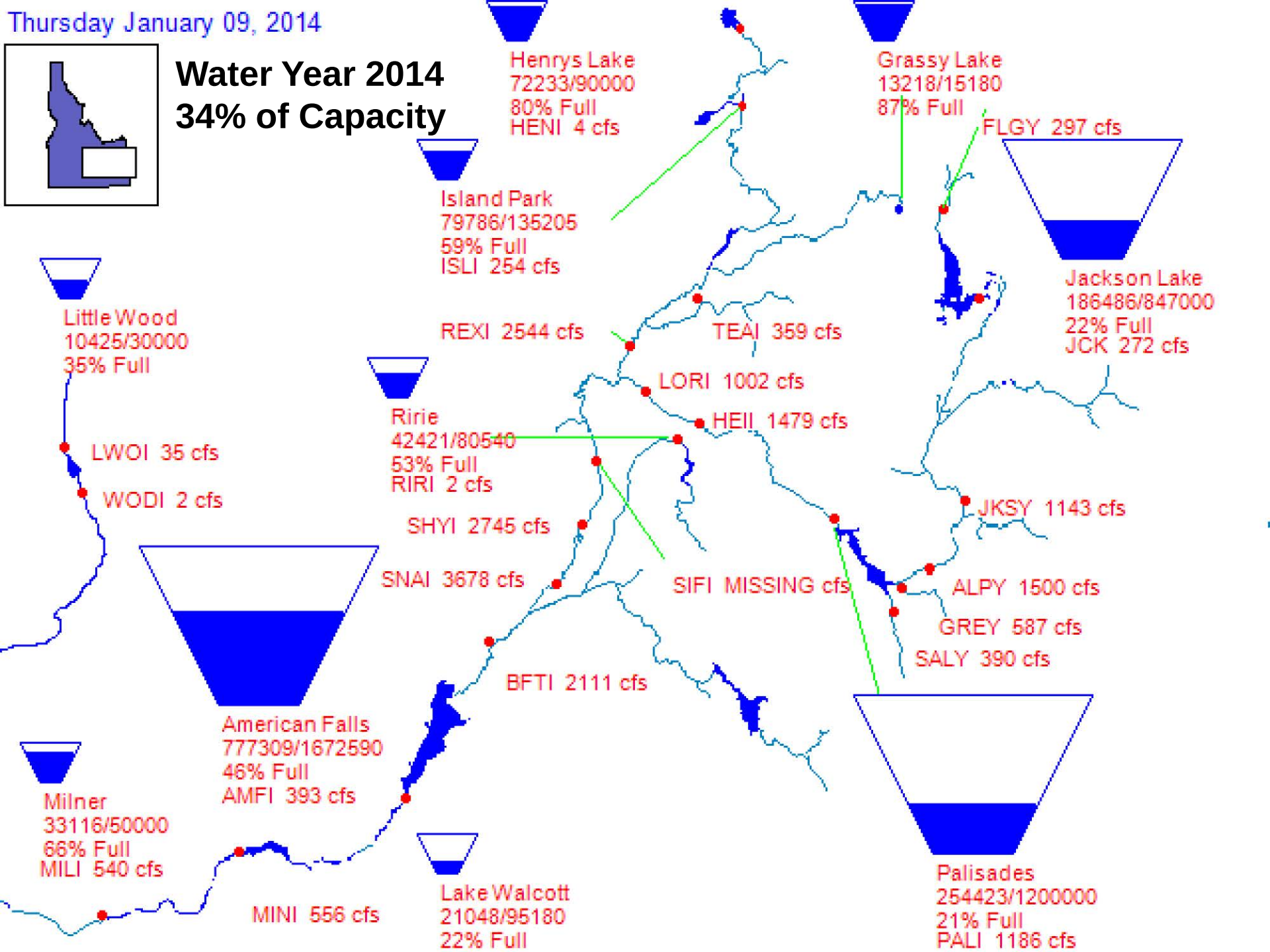
Wednesday January 09, 2013

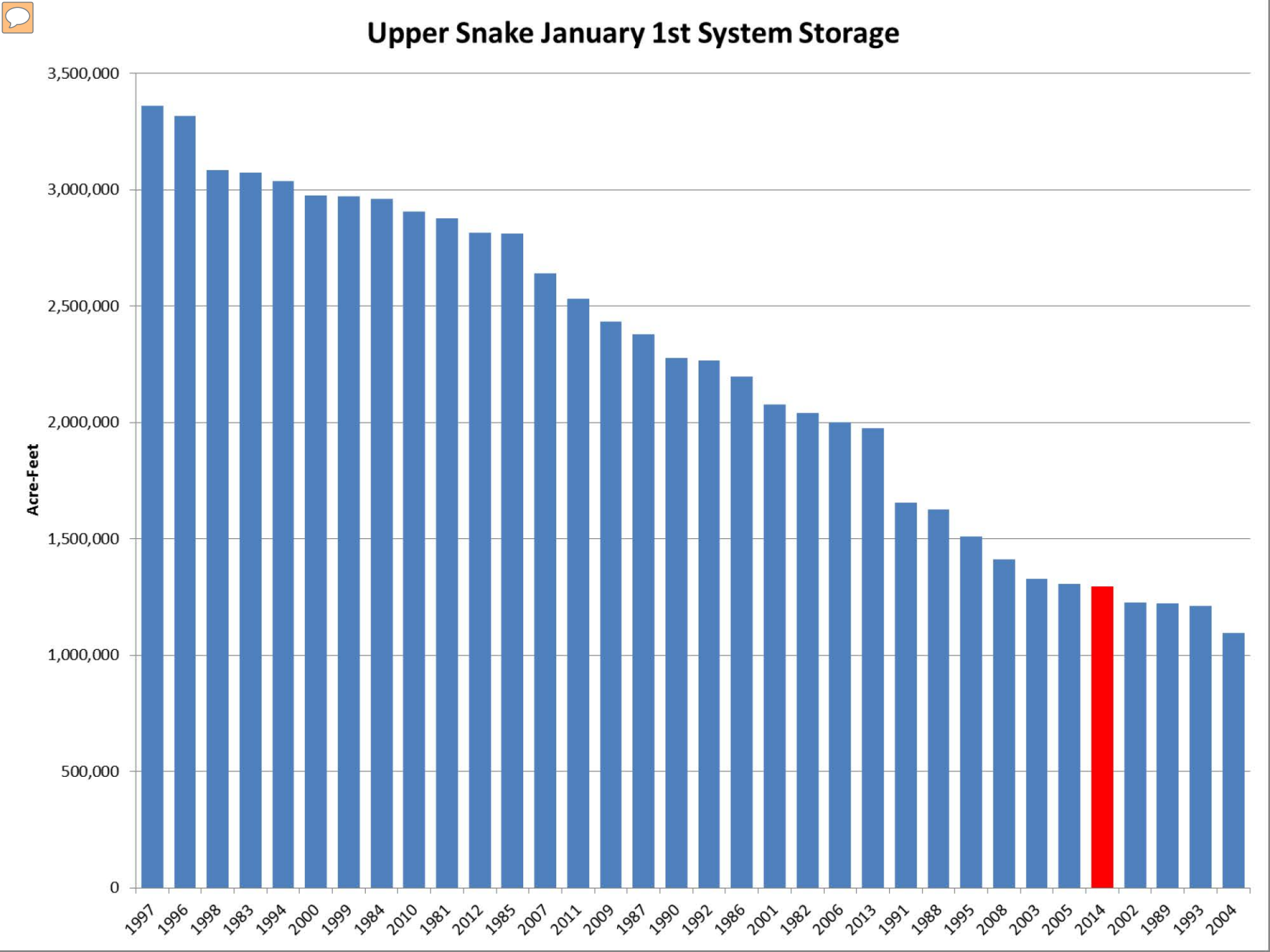
Water Year 2013
51% of Capacity

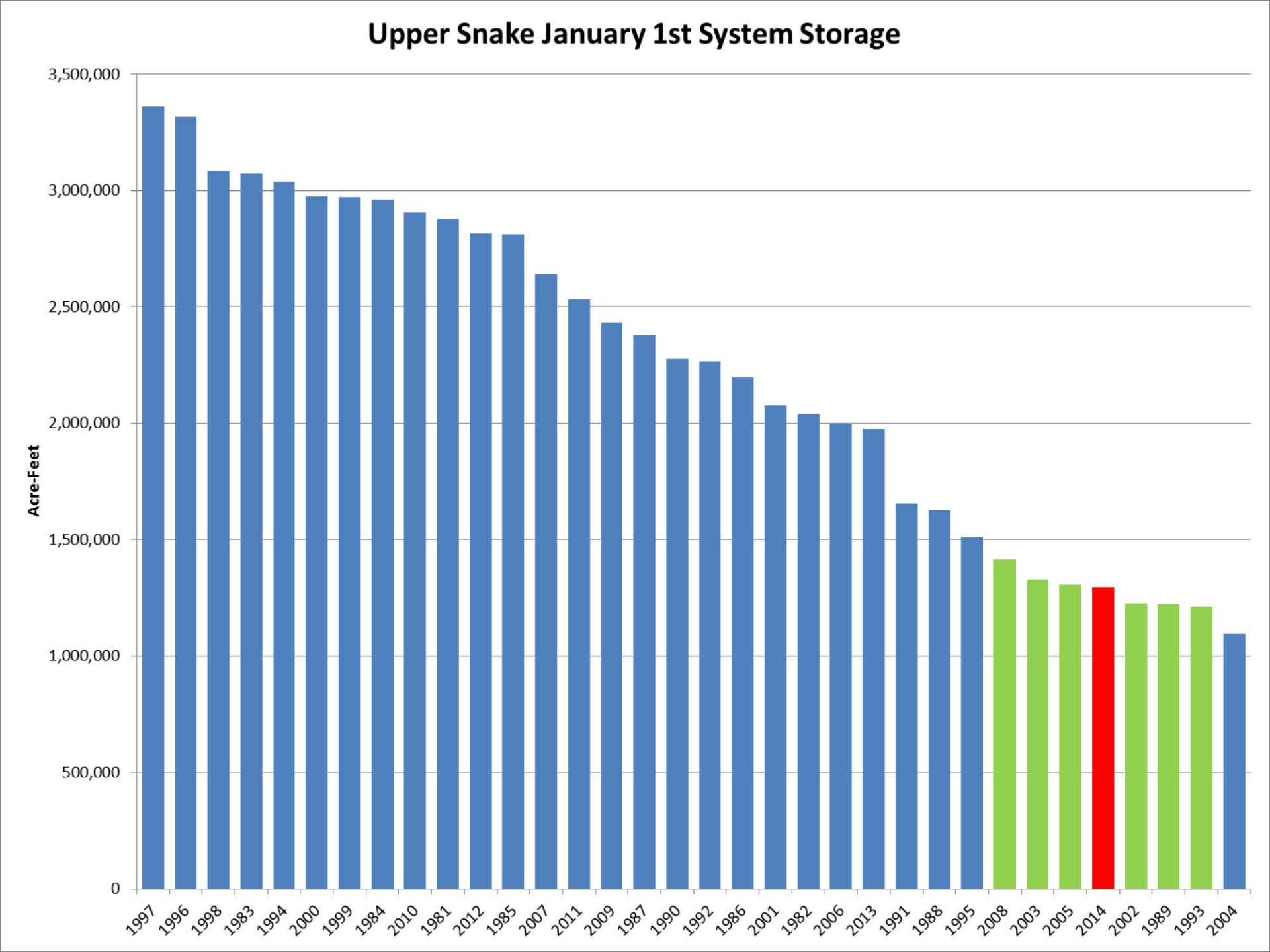


Thursday January 09, 2014

Water Year 2014
34% of Capacity




Upper Snake January 1st System Storage
Acre-Feet
3,500,000
3,000,000
2,500,000
2,000,000
1,500,000
1,000,000
500,000
0
1997
1996
1998
1983
1994
2000
1999
1984
2010
1981
2012
1985
2007
2011
2009
1987
1990
1992
1986
2001
1982
2006
2013
1991
1988
1995
2008
2003
2005
2014
2002
1989
1993
2004


Upper Snake January 1st System Storage
Acre-Feet
3,500,000
3,000,000
2,500,000
2,000,000
1,500,000
1,000,000
500,000
0
1997
1996
1998
1983
1994
2000
1999
1984
2010
1981
2012
1985
2007
2011
2009
1987
1990
1992
1986
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1982
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2013
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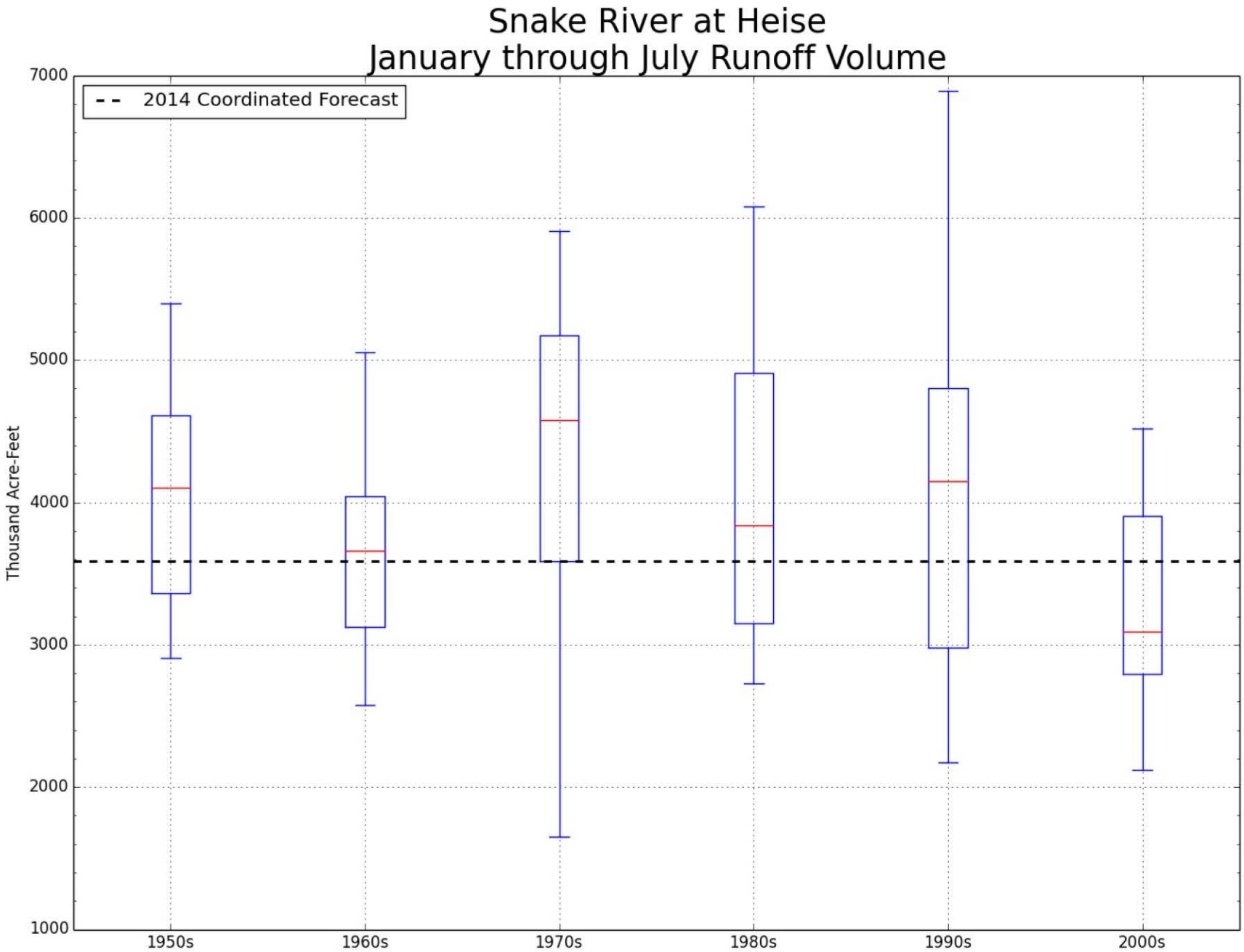
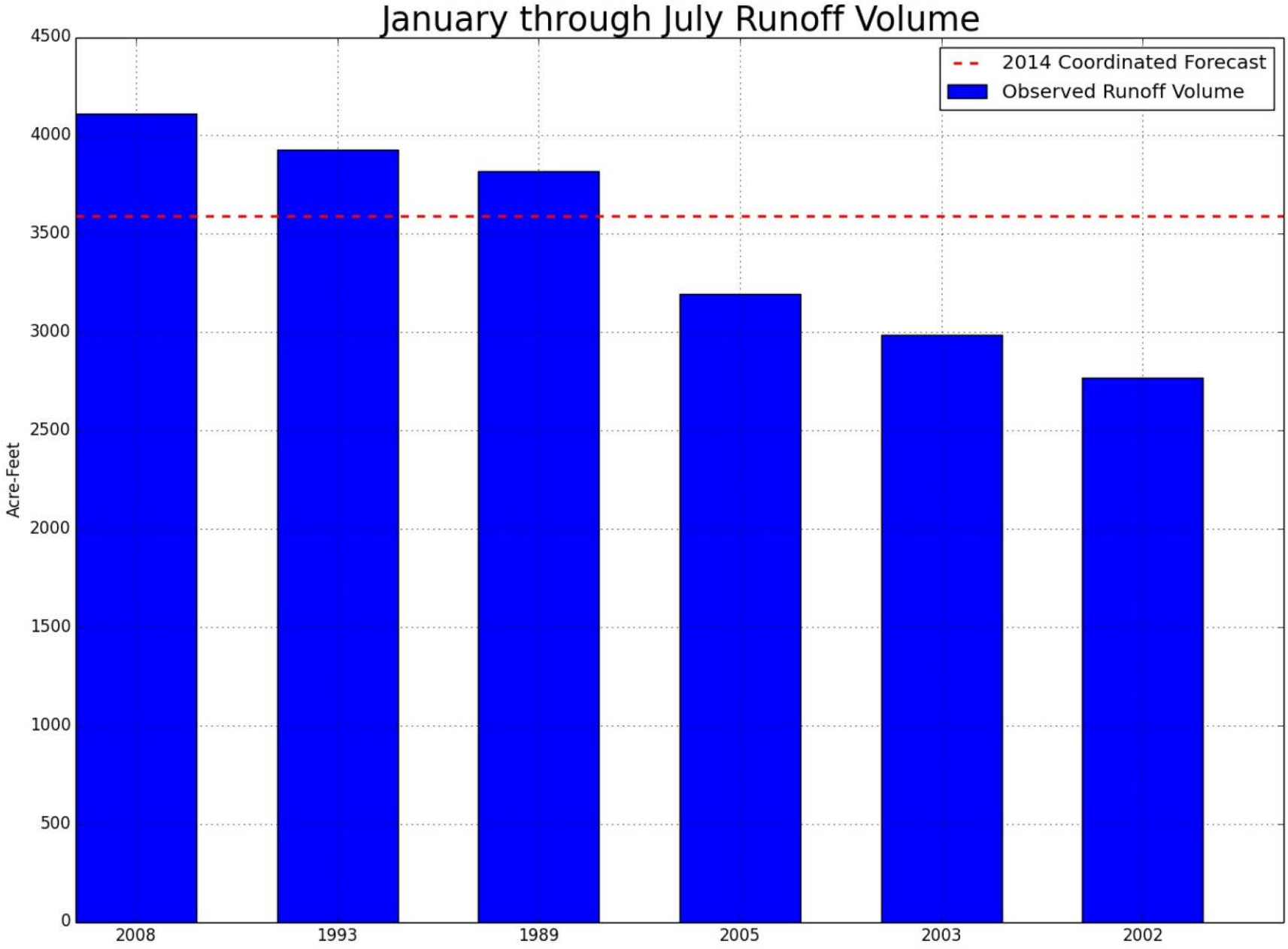
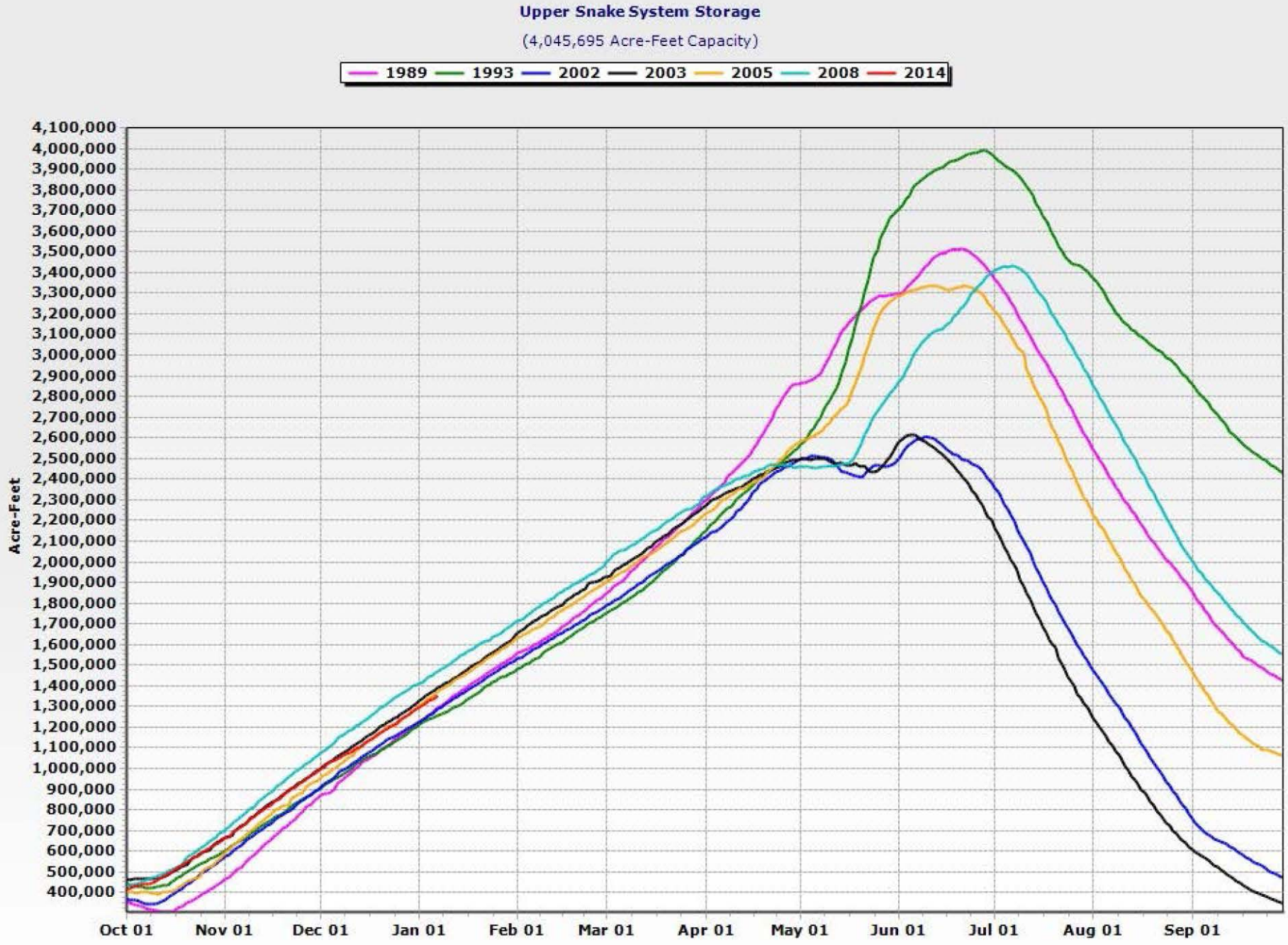
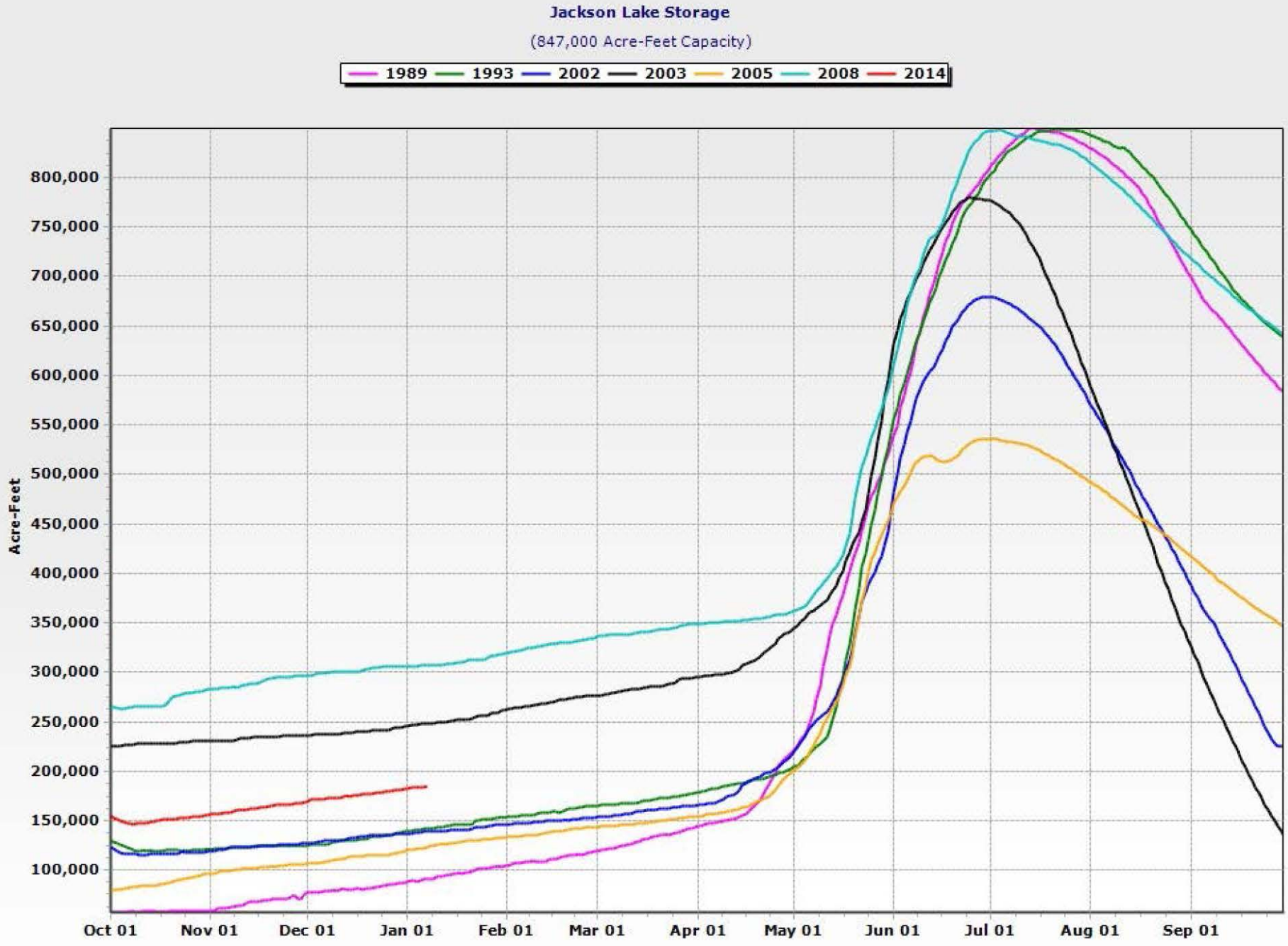
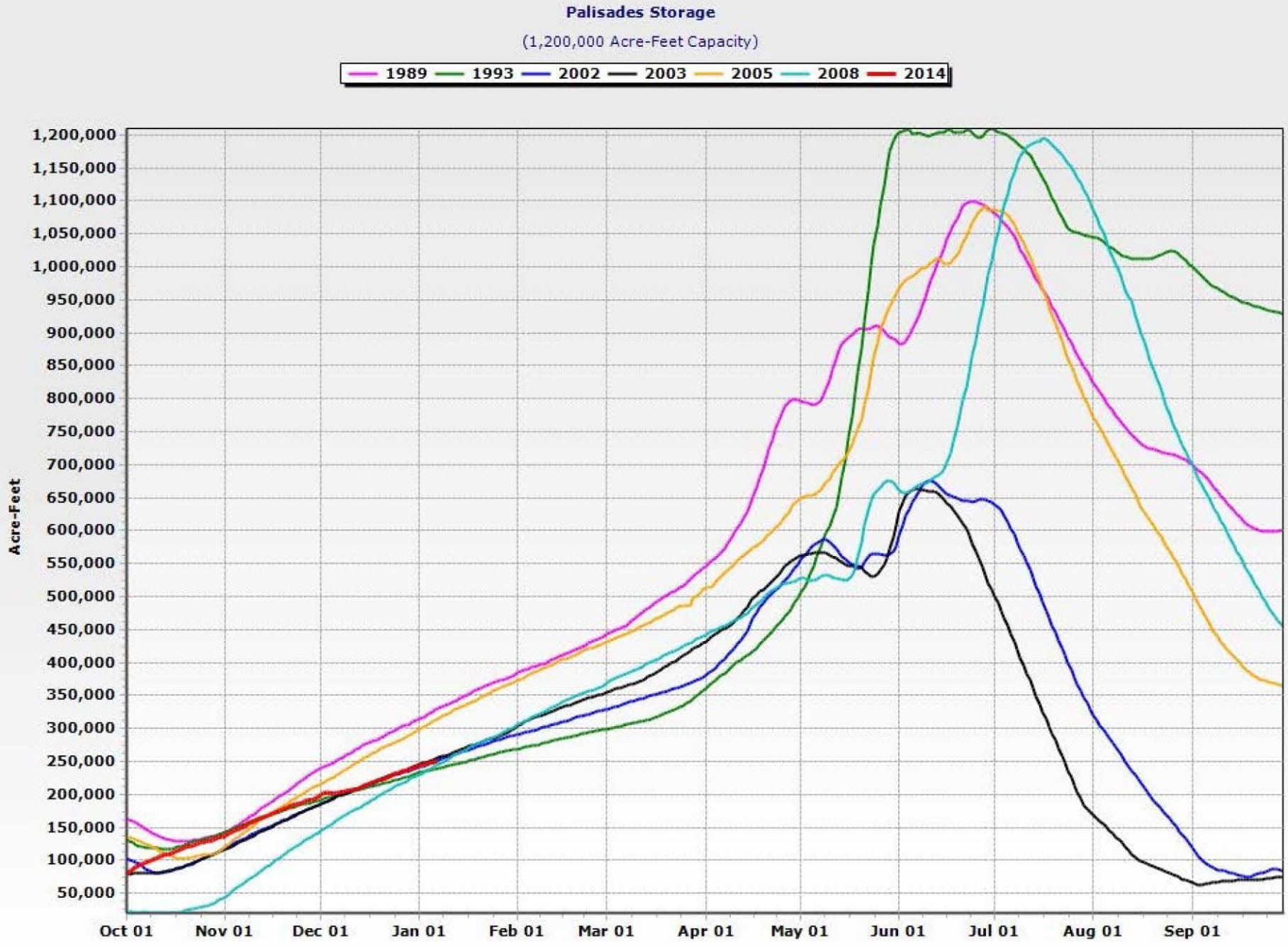
1988
1995
2008
2003
2005
2014
2002
1989
1993
2004

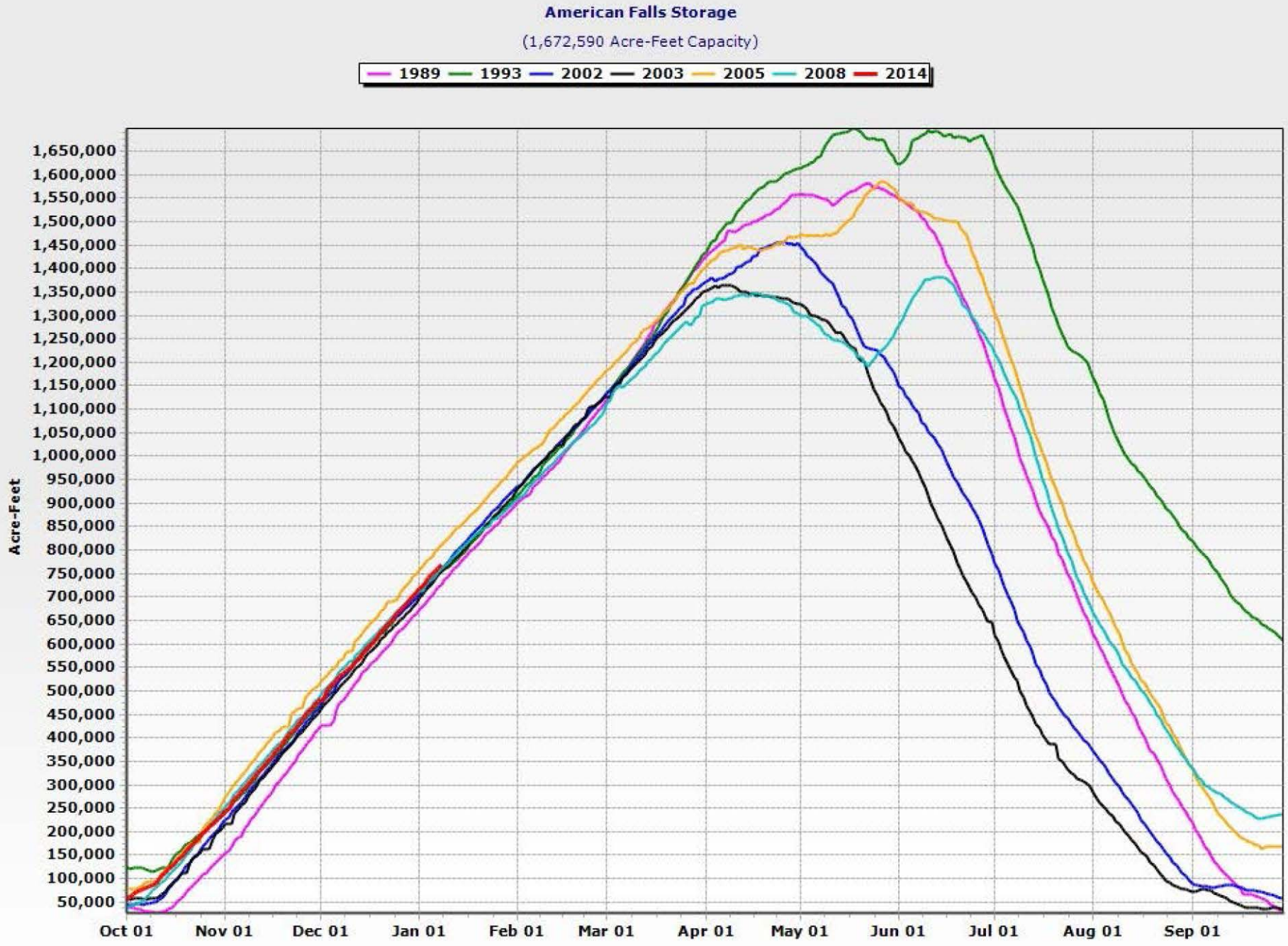

Snake River at Heise
January through July Runoff Volume
2014 Coordinated Forecast
Thousand Acre-Feet
7000
6000
5000
4000
3000
2000
1000
1950s
1960s
1970s
1980s
1990s
2000s


Snake River at Heise
January through July Runoff Volume
2014 Coordinated Forecast
Observed Runoff Volume
Acre-Feet
4500
4000
3500
3000
2500
2000
1500
1000
500
0
2008
1993
1989
2005
2003
2002

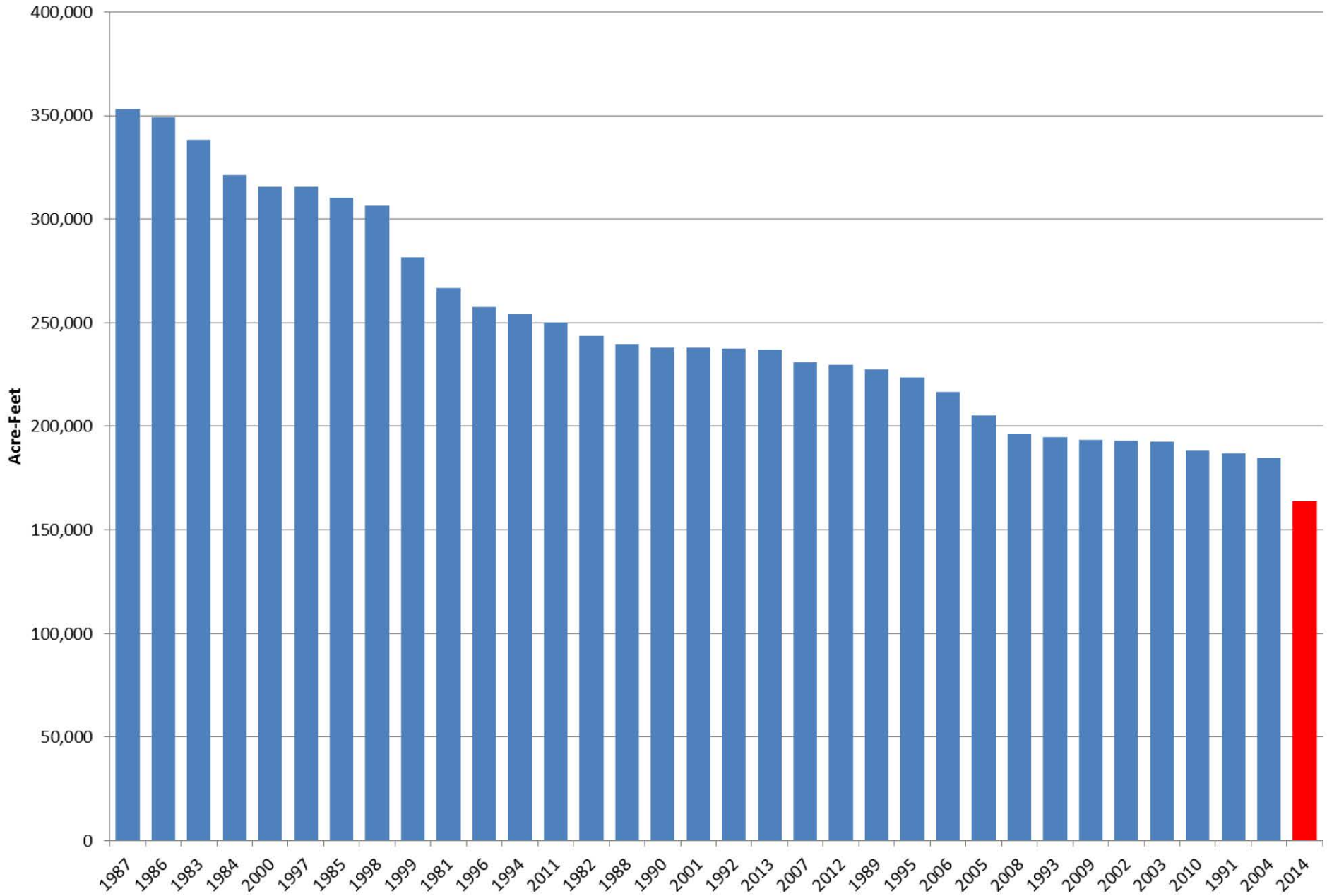

Upper Snake System Storage
(4,045,695 Acre-Feet Capacity)
1989
1993
2002
2003
2005
2008
2014
Acre-Feet
4,100,000
4,000,000
3,900,000
3,800,000
3,700,000
3,600,000
3,500,000
3,400,000
3,300,000
3,200,000
3,100,000
3,000,000
2,900,000
2,800,000
2,700,000
2,600,000
2,500,000
2,400,000
2,300,000
2,200,000
2,100,000
2,000,000
1,900,000
1,800,000
1,700,000
1,600,000
1,500,000
1,400,000
1,300,000
1,200,000
1,100,000
1,000,000
900,000
800,000
700,000
600,000
500,000
400,000
Oct 01
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Jun 01
Jul 01
Aug 01
Sep 01


Jackson Lake Storage
(847,000 Acre-Feet Capacity)
1989
1993
2002
2003
2005
2008
2014
Acre-Feet
800,000
750,000
700,000
650,000
600,000
550,000
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
Oct 01
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Jun 01
Jul 01
Aug 01
Sep 01


Palisades Storage
(1,200,000 Acre-Feet Capacity)
1989
1993
2002
2003
2005
2008
2014
Acre-Feet
1,200,000
1,150,000
1,100,000
1,050,000
1,000,000
950,000
900,000
850,000
800,000
750,000
700,000
650,000
600,000
550,000
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
Oct 01
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Jun 01
Jul 01
Aug 01
Sep 01


American Falls Storage
(1,672,590 Acre-Feet Capacity)
1989
1993
2002
2003
2005
2008
2014
Acre-Feet
1,650,000
1,600,000
1,550,000
1,500,000
1,450,000
1,400,000
1,350,000
1,300,000
1,250,000
1,200,000
1,150,000
1,100,000
1,050,000
1,000,000
950,000
900,000
850,000
800,000
750,000
700,000
650,000
600,000
550,000
500,000
450,000
400,000
350,000
300,000
250,000
200,000
150,000
100,000
50,000
Oct 01
Nov 01
Dec 01
Jan 01
Feb 01
Mar 01
Apr 01
May 01
Jun 01
Jul 01
Aug 01
Sep 01

Palisades to American Falls
December Reach Gain



Conclusions

- System Storage Remains Low
- Snow Accumulation Slightly Below Average
  - 95% Coordinated Forecast
- Poor Reach Gain Into American Falls for December
- Conservative Refill Projections
  - Upper Snake System 64% of Capacity
  - Jackson Lake 65% of Capacity
  - Palisades 54% of Capacity
  - American Falls 81% of Capacity