

RECLAMATION

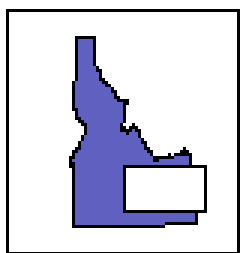
Managing Water in the West

IDWR Water Supply Meeting

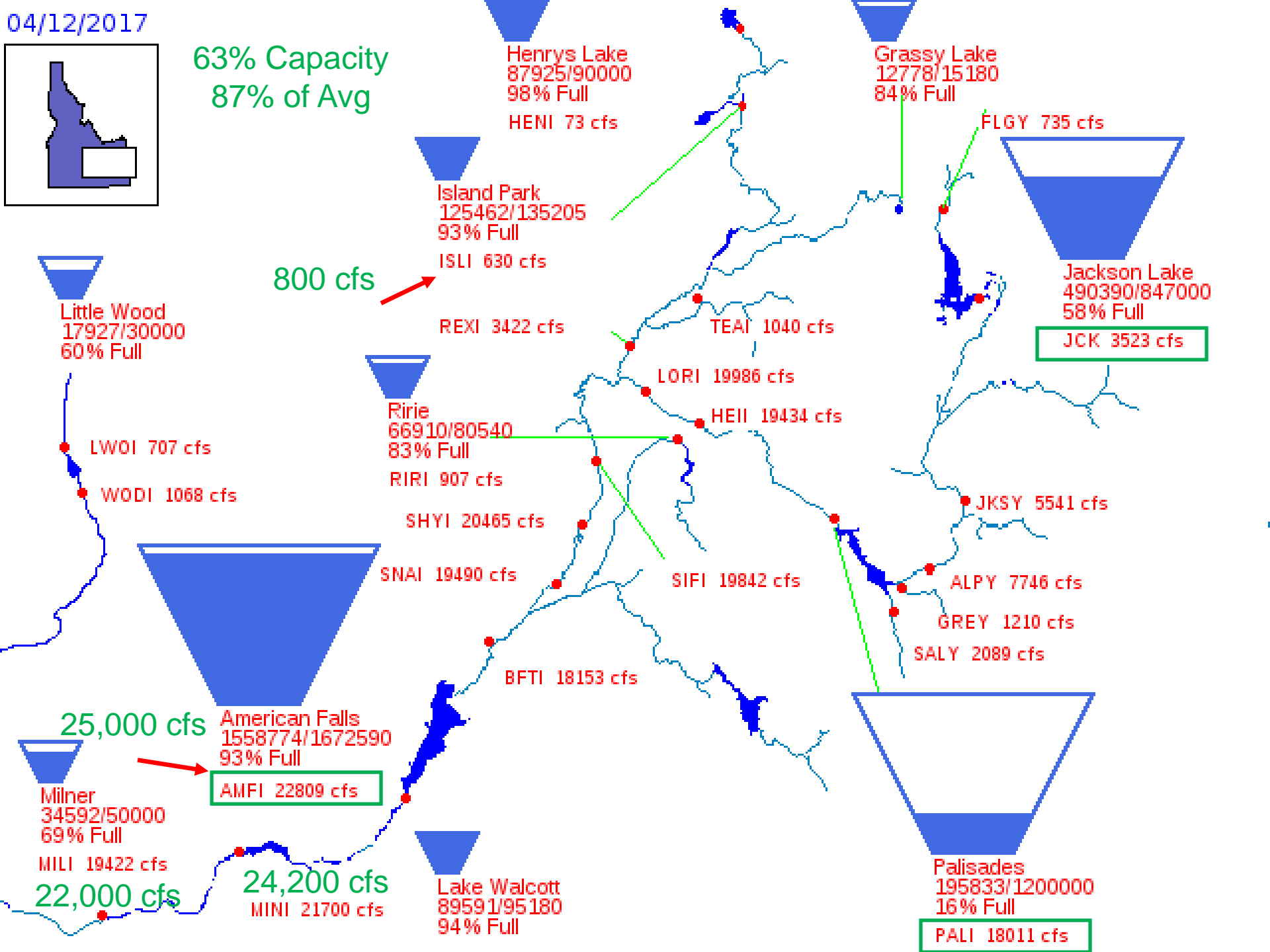
April 13, 2017



U.S. Department of the Interior
Bureau of Reclamation



63% Capacity
87% of Avg



Henrys Lake
87925/90000
98% Full
HENI 73 cfs

Grassy Lake
12778/15180
84% Full

FLGY 735 cfs

Island Park
125462/135205
93% Full
ISLI 630 cfs

Jackson Lake
490390/847000
58% Full

JCK 3523 cfs

800 cfs

Little Wood
17927/30000
60% Full

REXI 3422 cfs

TEAI 1040 cfs

LWQI 707 cfs

LORI 19986 cfs

WODI 1068 cfs

HEII 19434 cfs

Ririe
66910/80540
83% Full

JKSY 5541 cfs

RIRI 907 cfs

SHYI 20465 cfs

SIFI 19842 cfs

ALPY 7746 cfs

SNAI 19490 cfs

GREY 1210 cfs

BFTI 18153 cfs

SALY 2089 cfs

25,000 cfs

American Falls
1558774/1672590
93% Full

AMFI 22809 cfs

Milner
34592/50000
69% Full

MILI 19422 cfs

24,200 cfs

MINI 21700 cfs

22,000 cfs

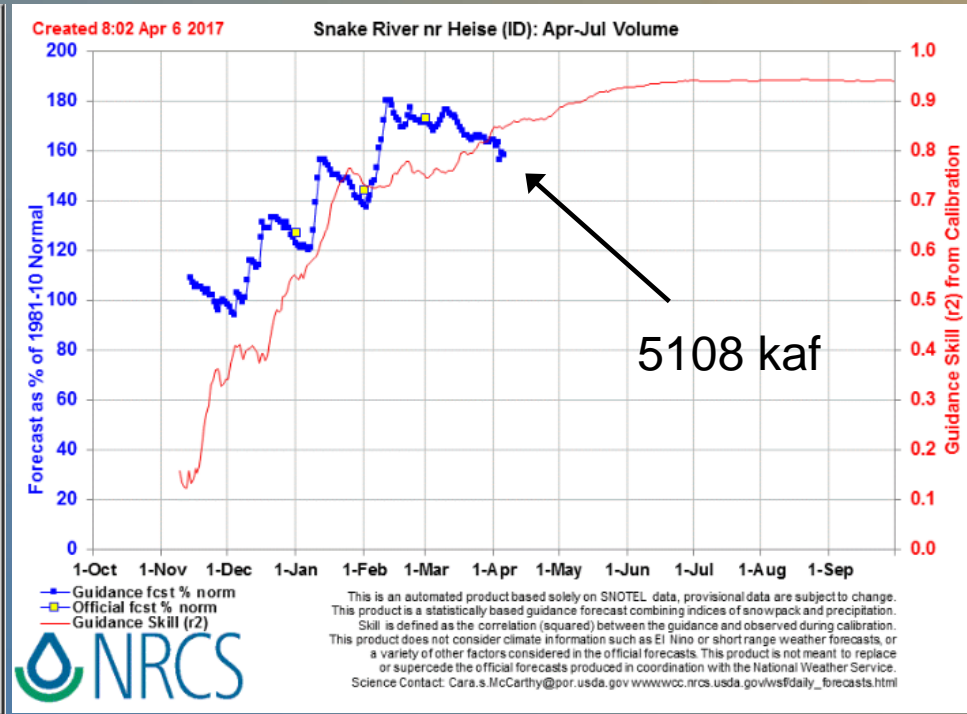
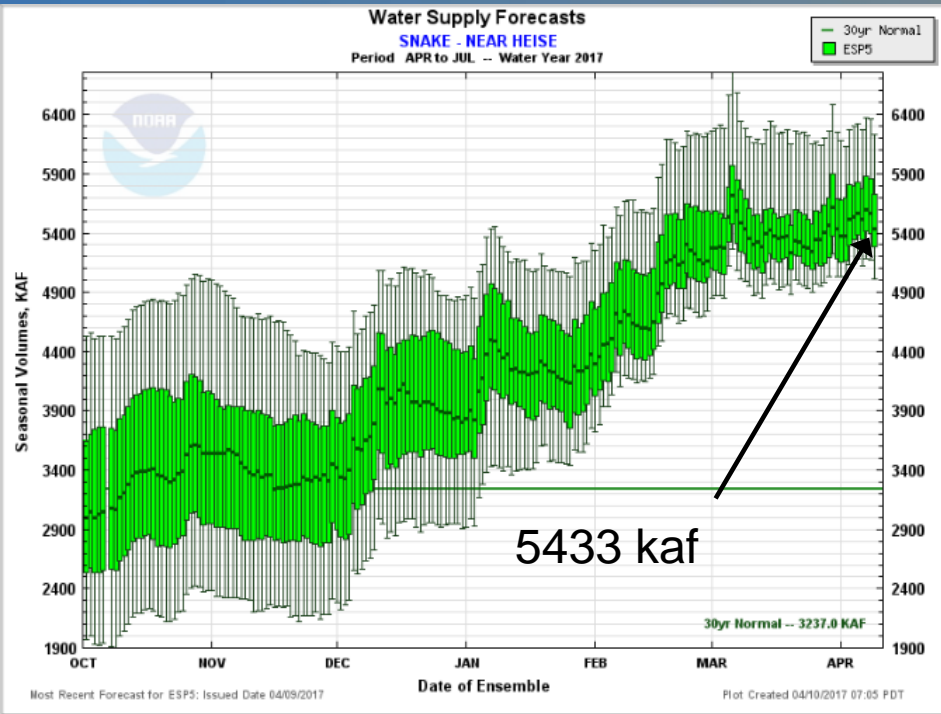
Lake Walcott
89591/95180
94% Full

Palisades
195833/1200000
16% Full

PALI 18011 cfs

Heise

- USACE/BOR Coordinated 4/1-7/31
Forecast – 4800 kaf (148%) (Forecast may go up with mid-month correction)

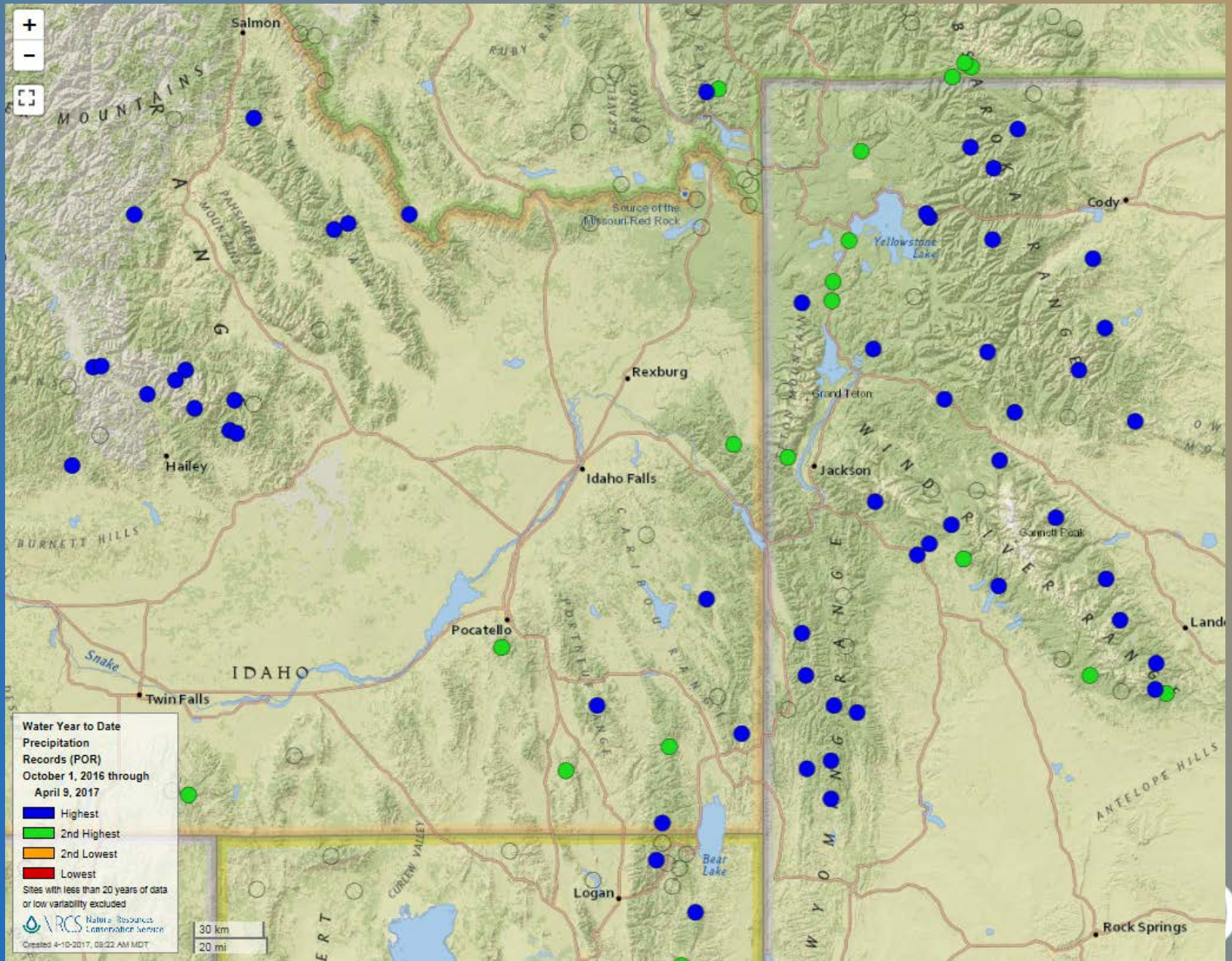


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Comparison Years

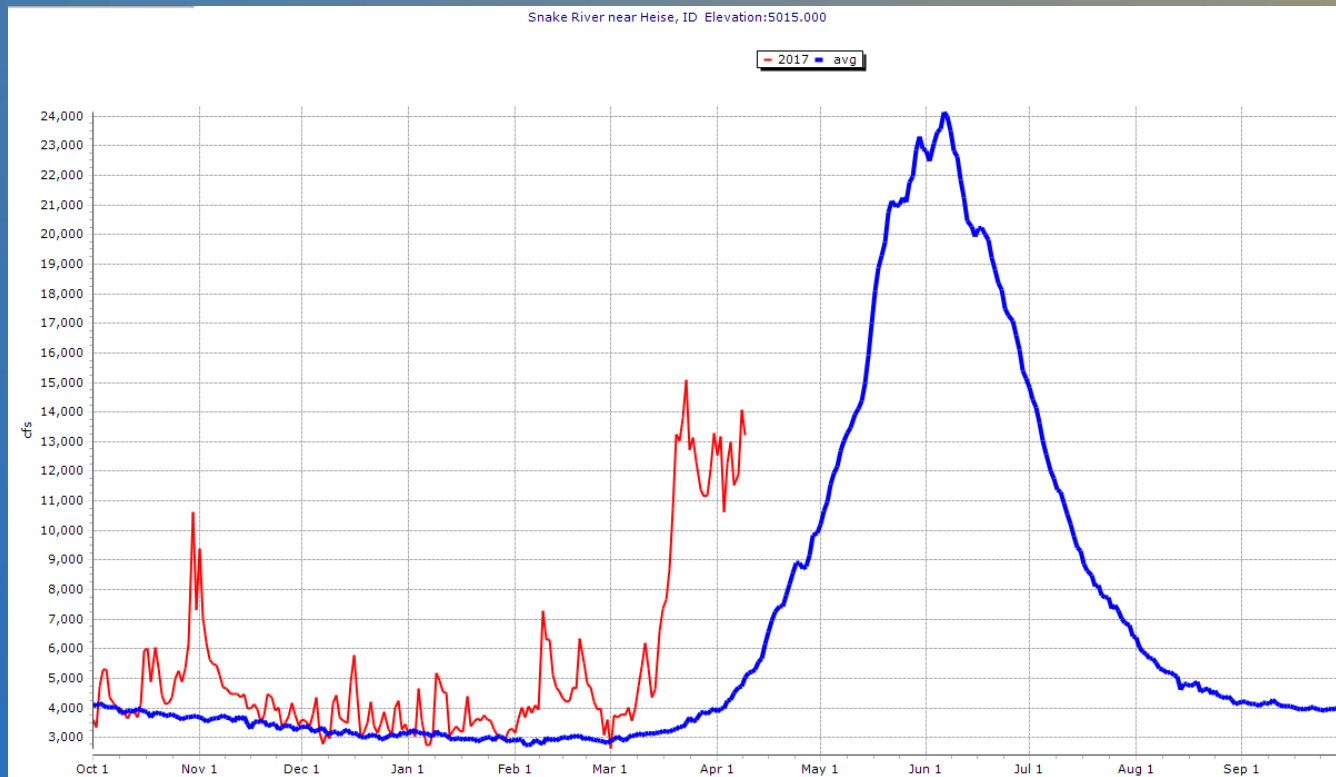
Year	Snow % Ave	Precip % Ave	4/1 Forecast	4/1-7/31 Actual
2017	151	165	4800	?
1997	174	157	5035	6093
2011	153	132	4260	5413
1986	156	148	3970	5264
1996	145	133	4485	4931
1982	174	151		4882
1999	138	119	4010	4253
1984	106	110	3400	4240
1983	123	105	3250	4177
2014	150	125	4370	3909

Precipitation Records

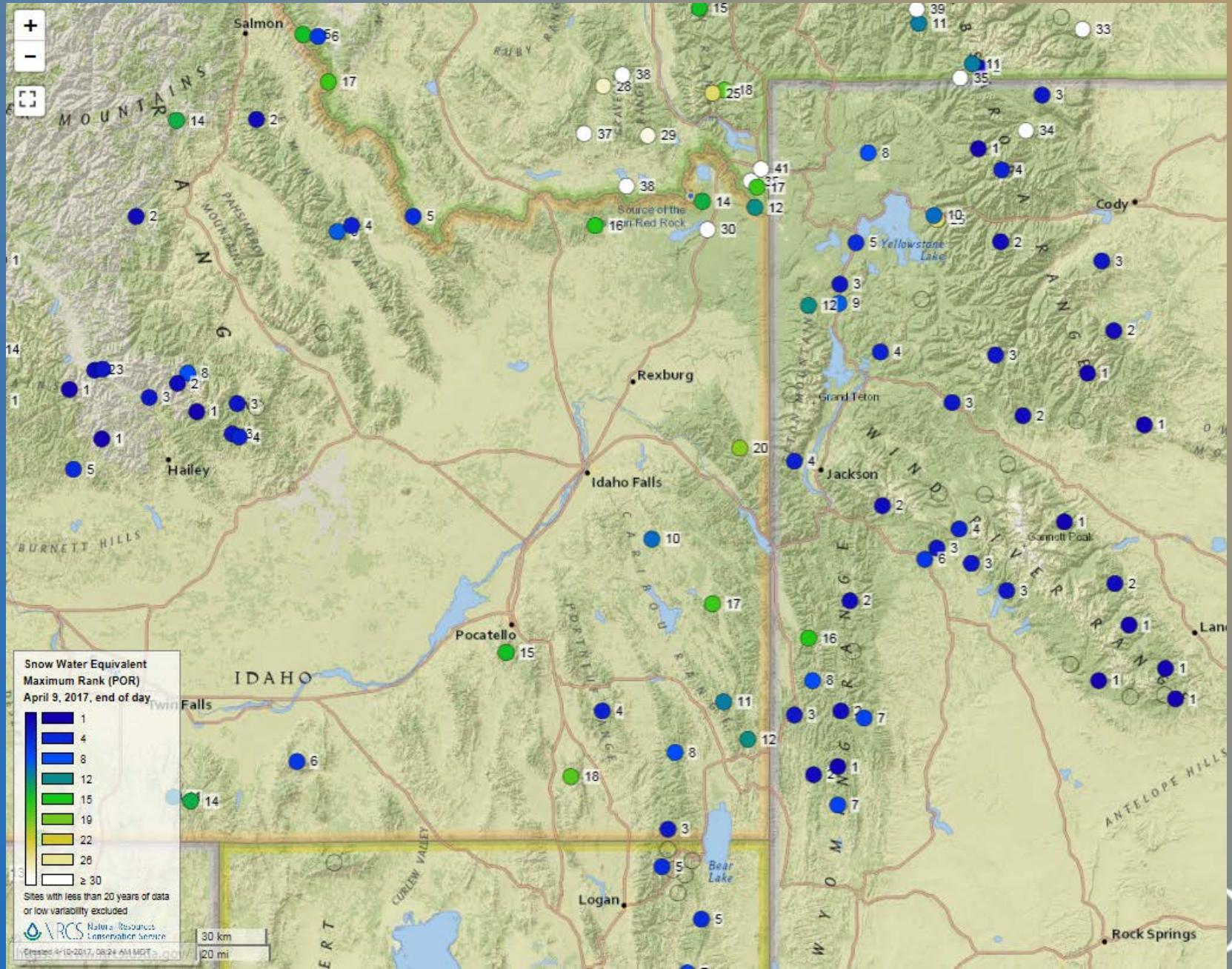


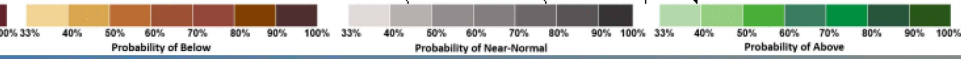
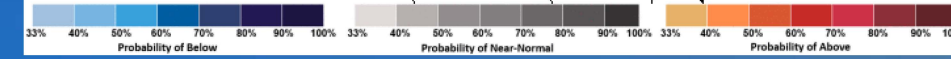
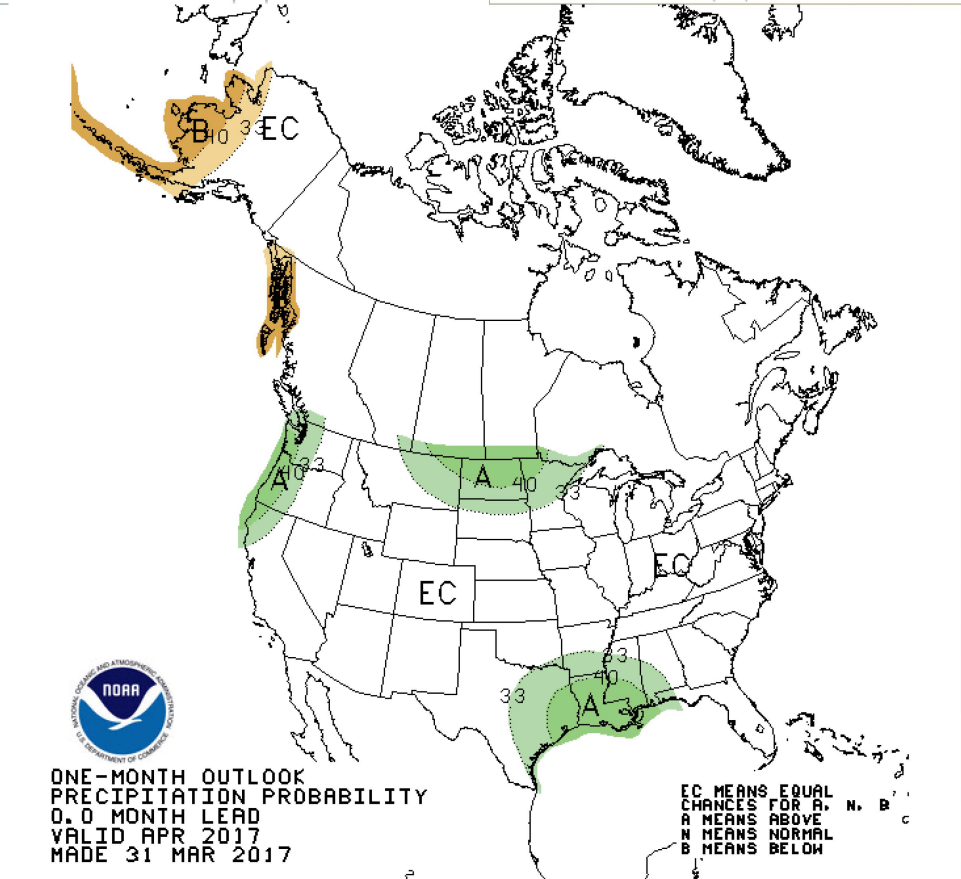
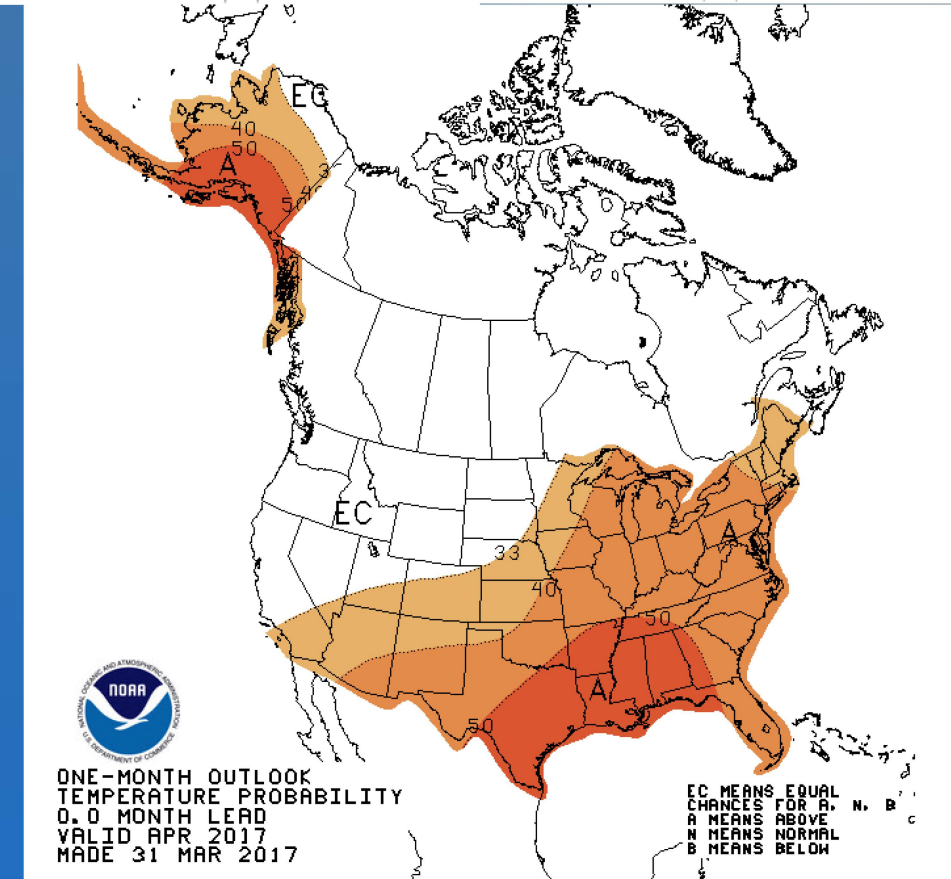
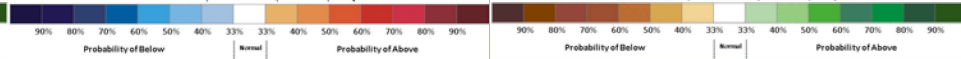
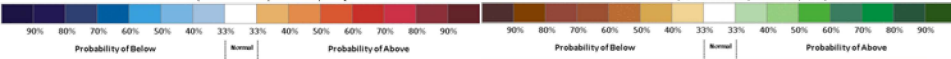
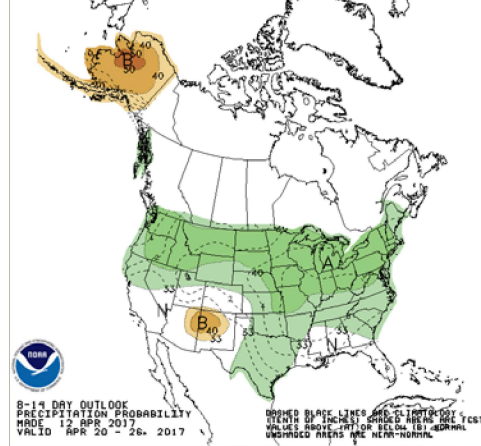
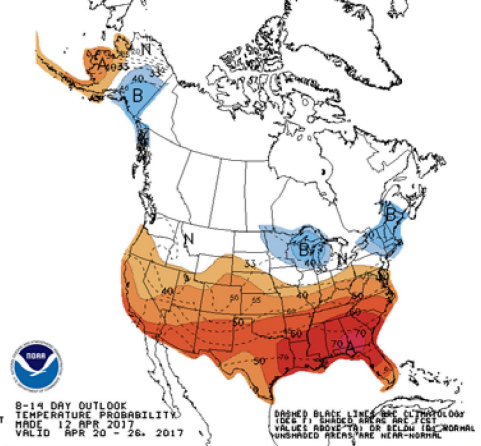
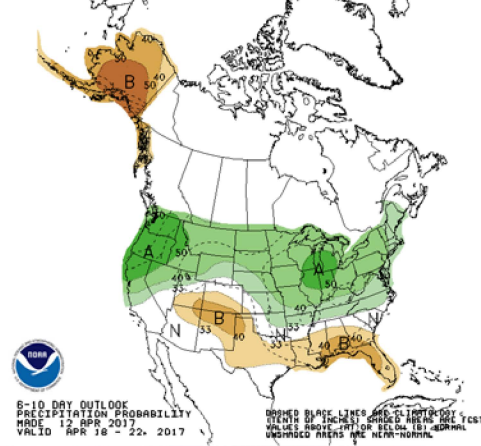
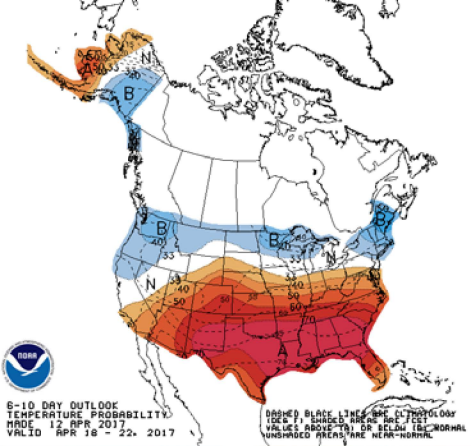
Record high Heise QU

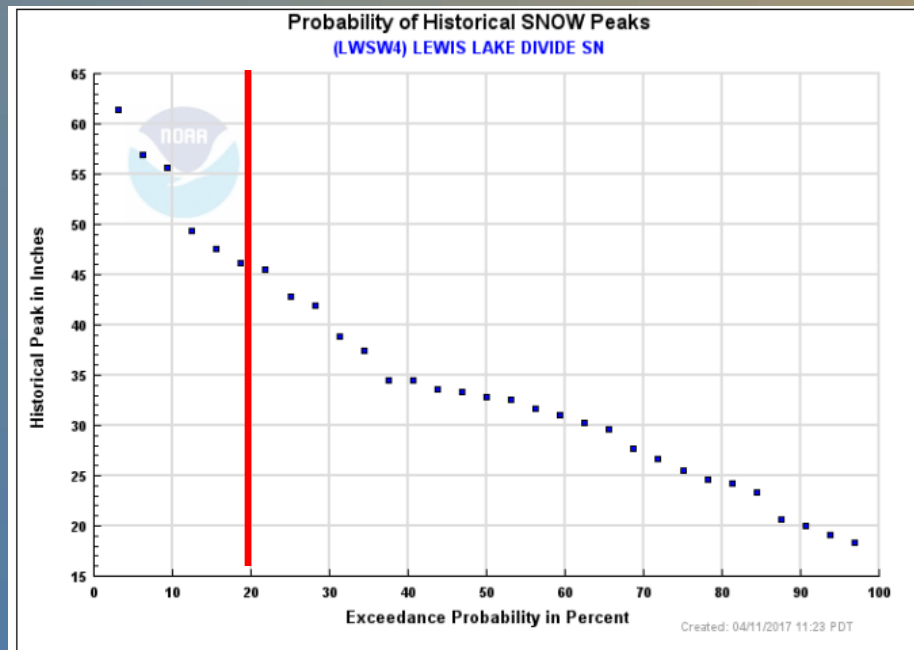
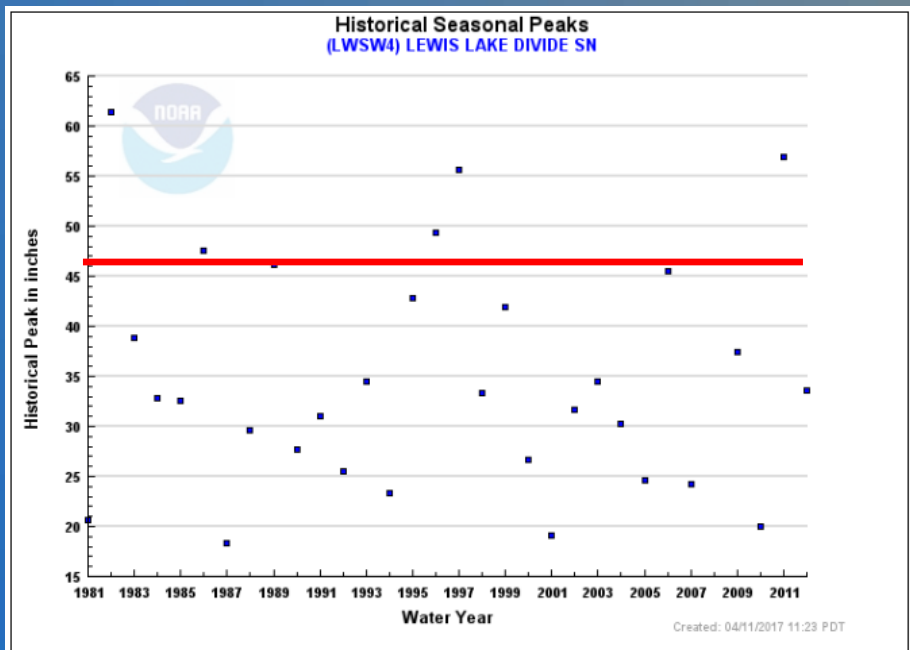
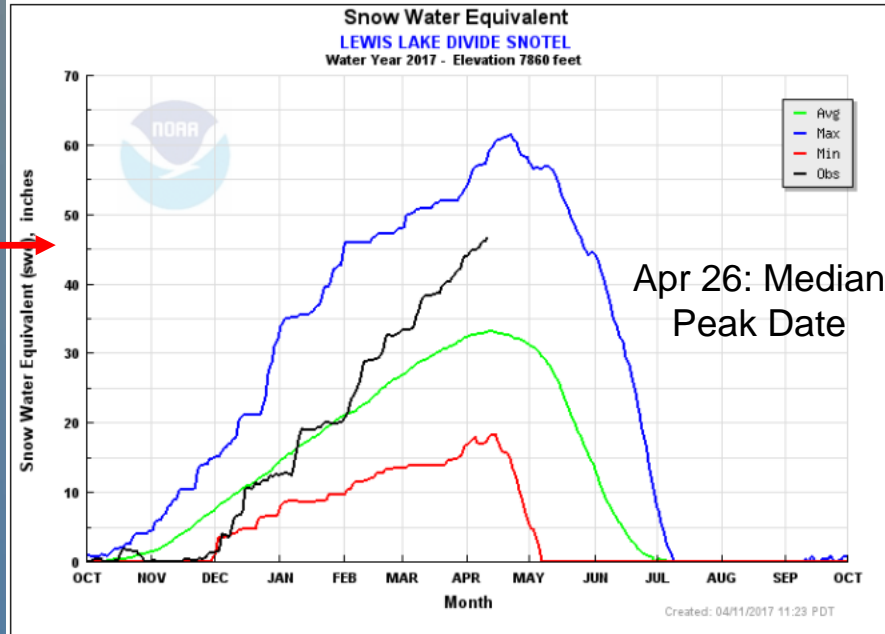
- 2/1-2/28 = 252 kaf = 155% of 1981-2010 avg
- 3/1-3/31 = 503 kaf = 248%
- 4/1-4/10 = 246 kaf = 278%
- **10/1-4/10 = 2,022 kaf = 157%**



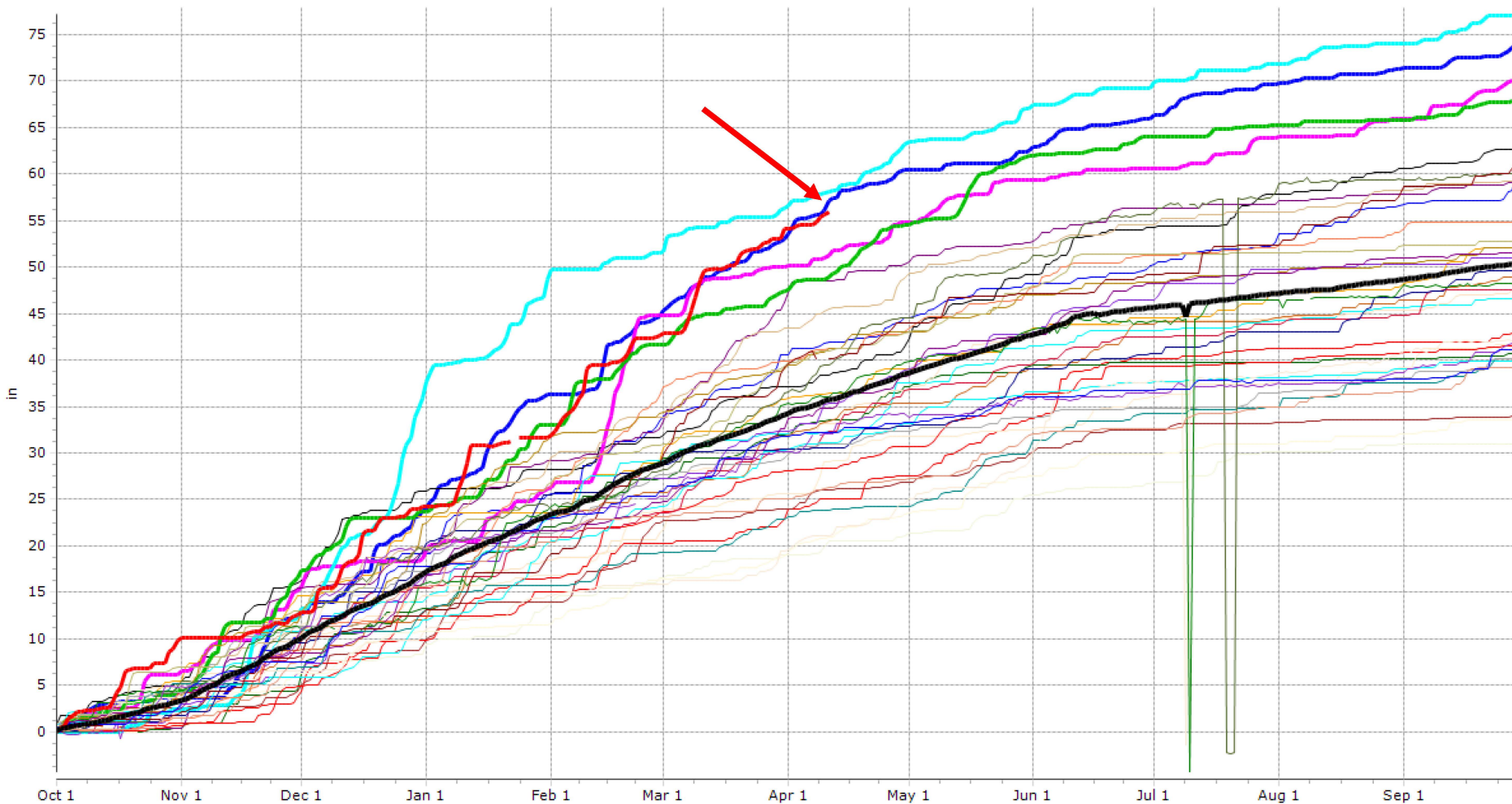
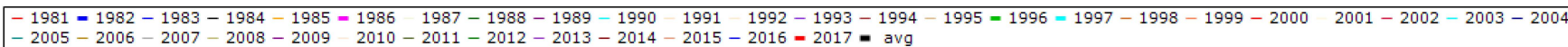
SWE Ranking for April

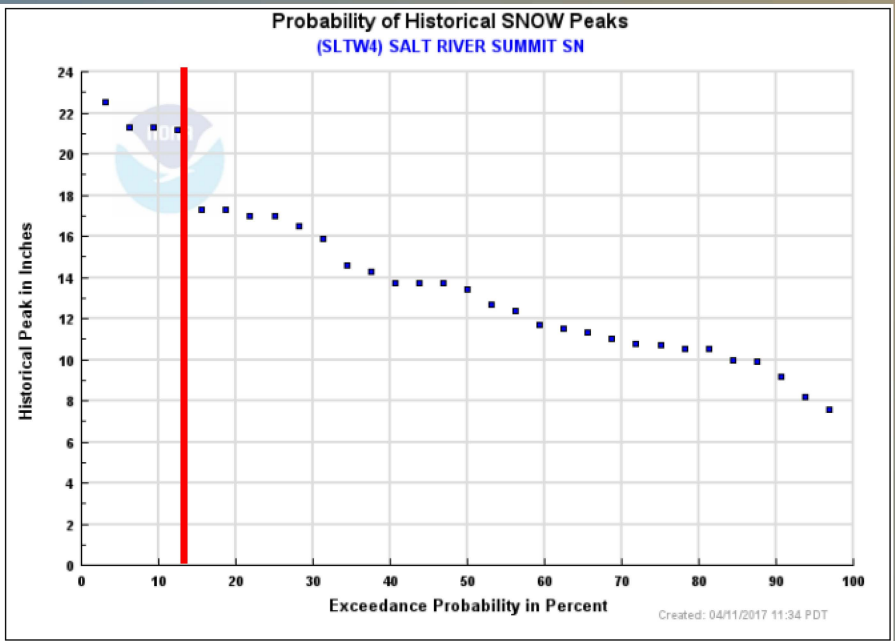
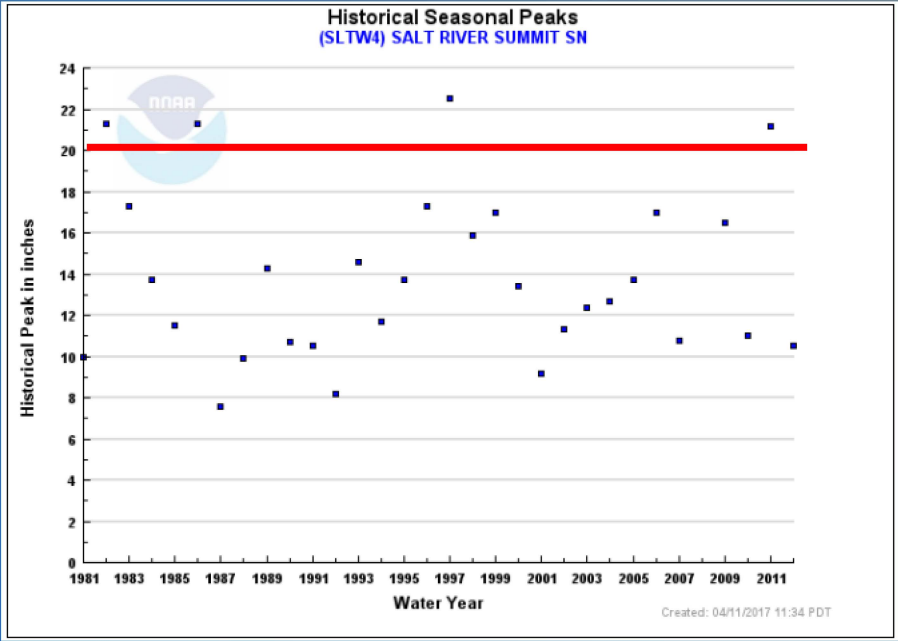
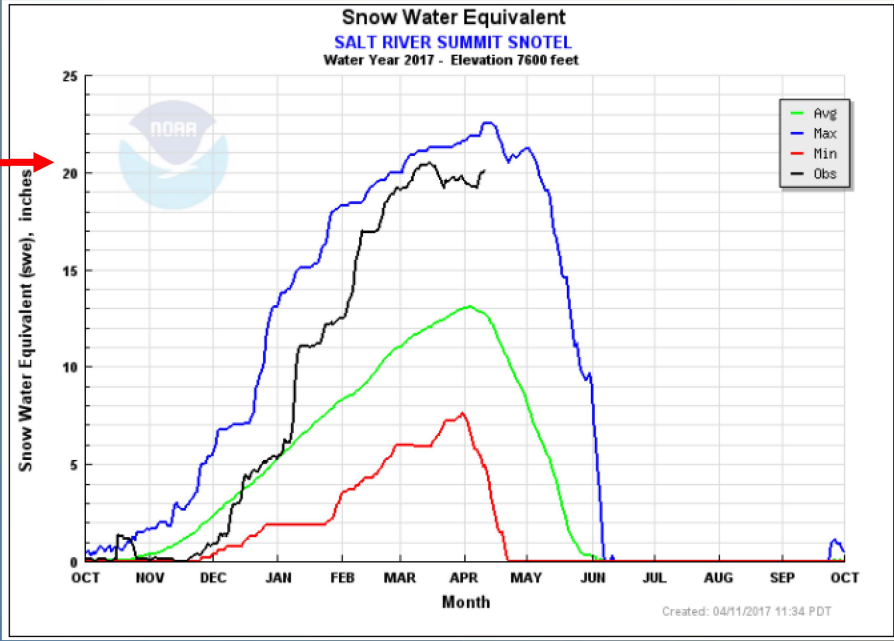






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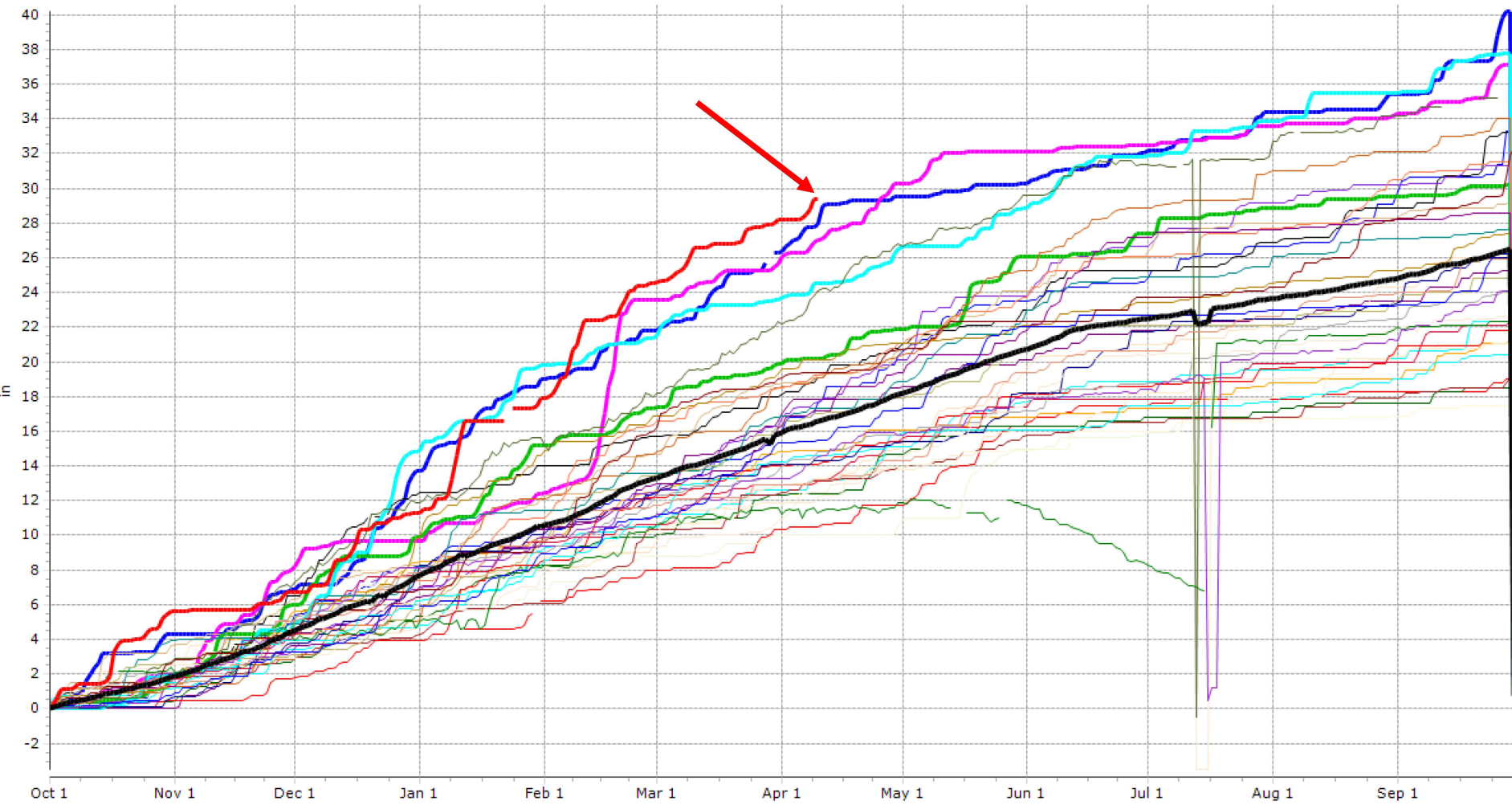




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SALT RIVER SUMMIT Elevation:7600.000

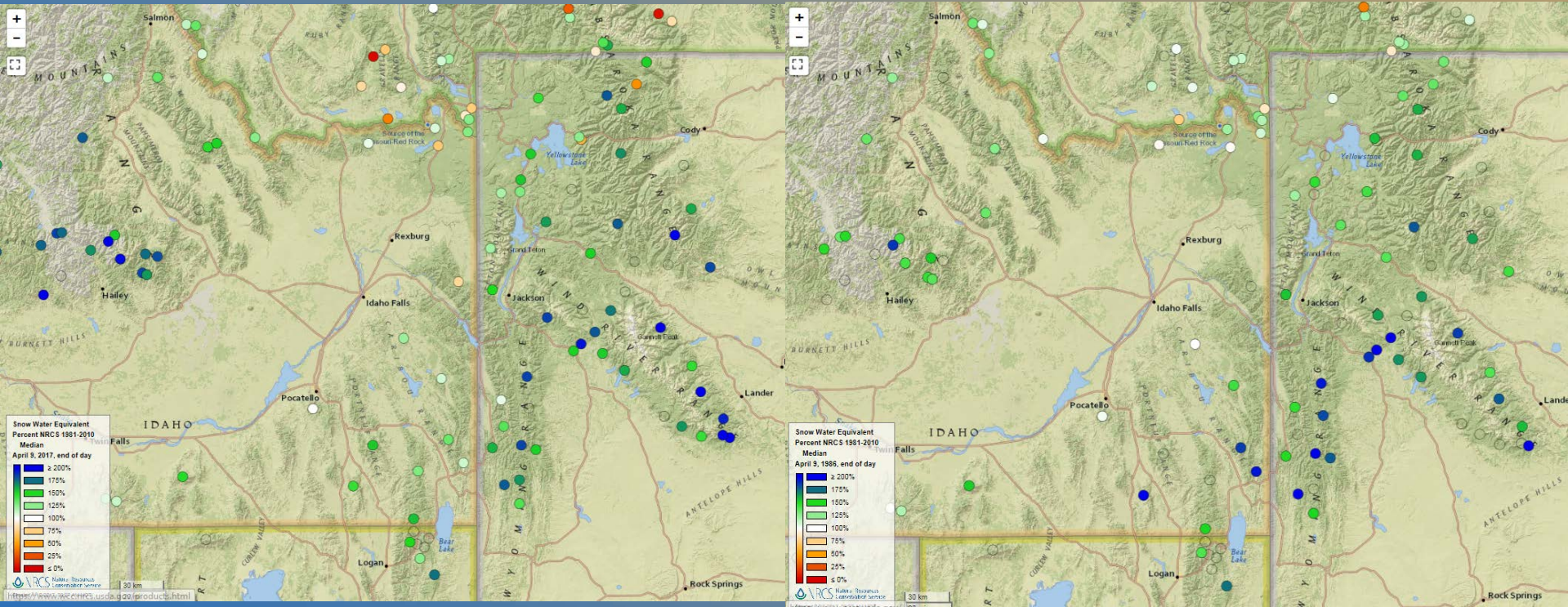
1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1996 1997 1998 1999 2000 2001 2002 2003 2004
2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 avg



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2017

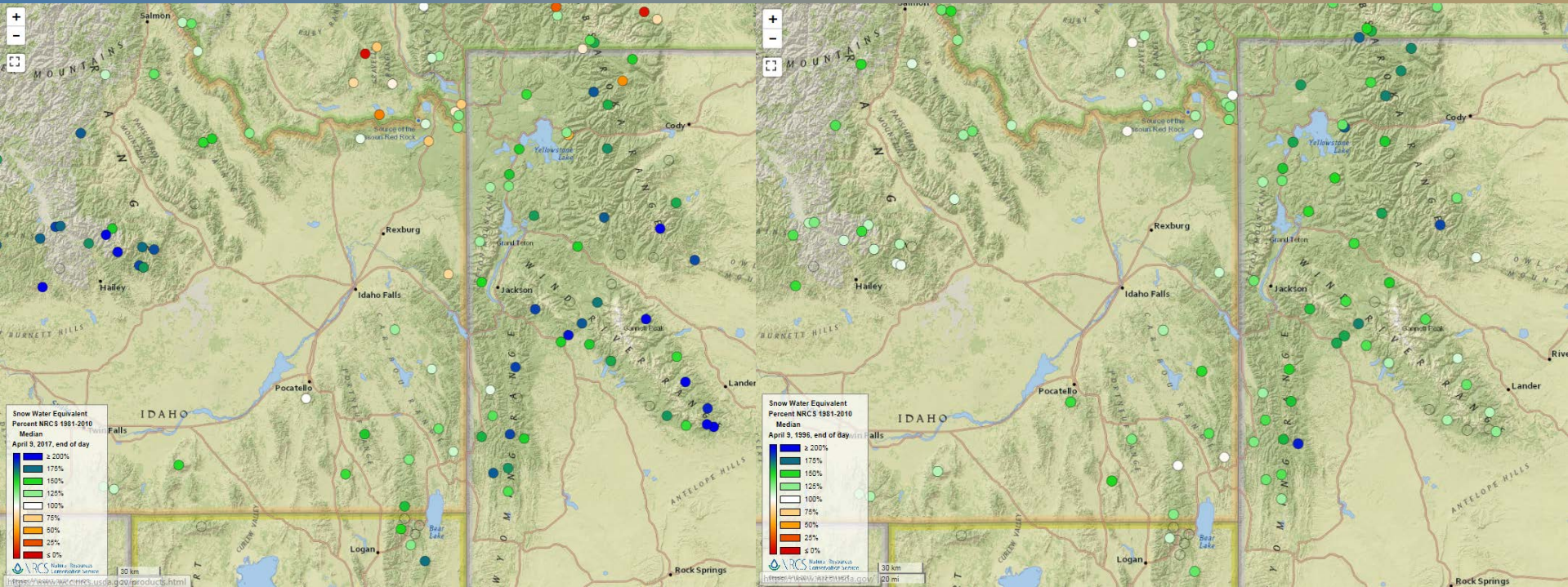
1986



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2017

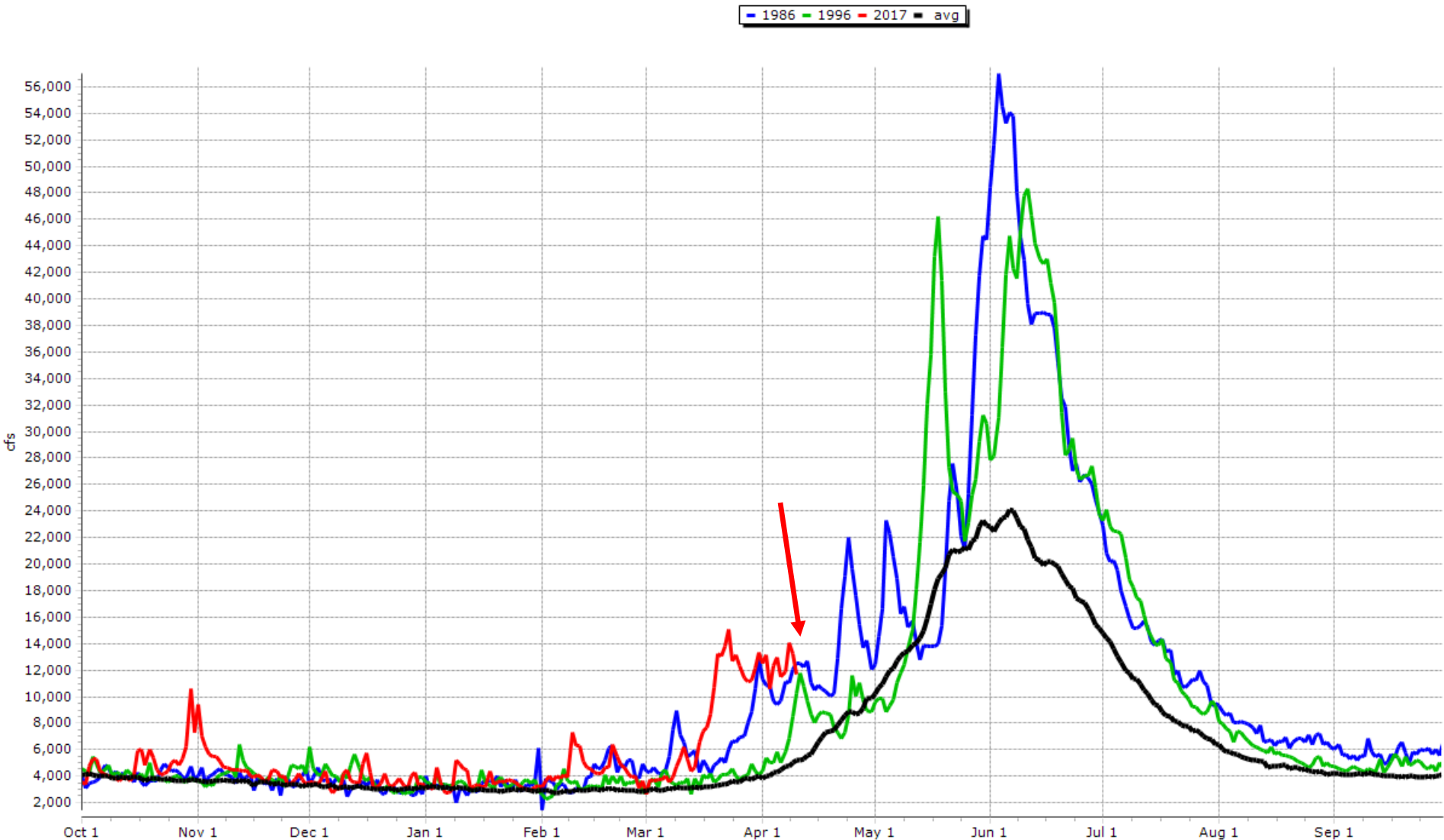
1996



RECLAMATION

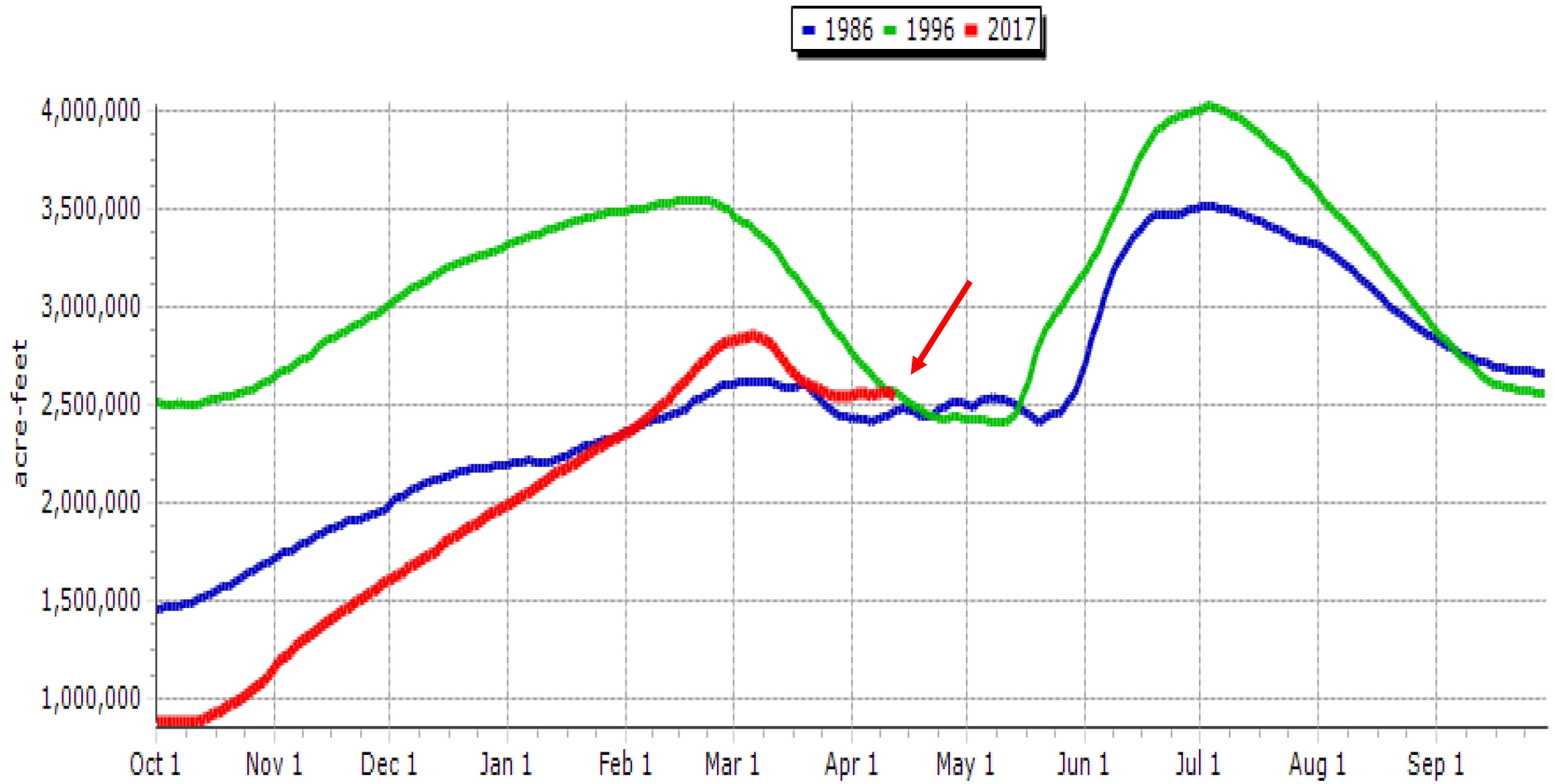
Heise QU

Snake River near Heise, ID Elevation:5015.000



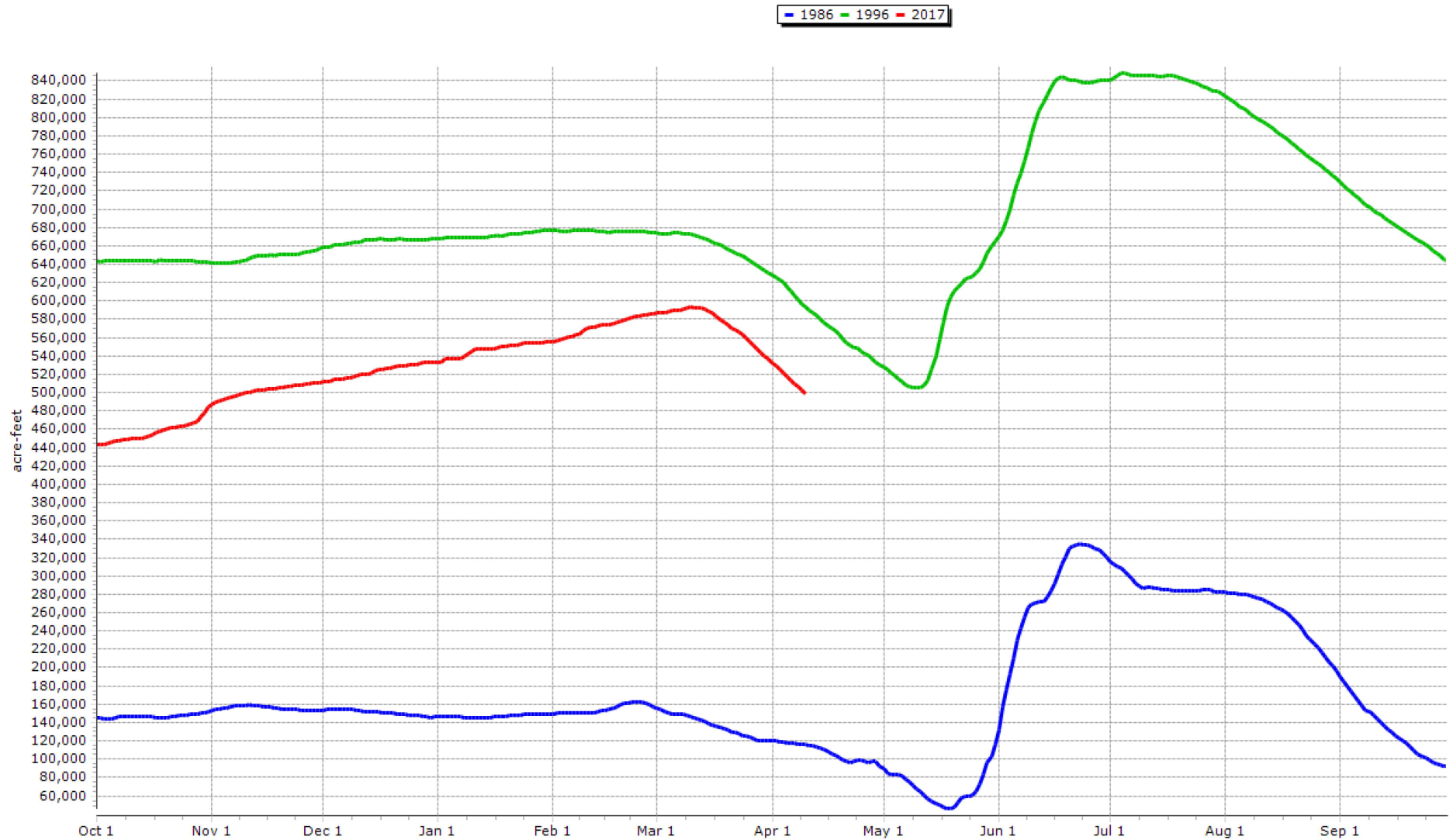
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Snake System



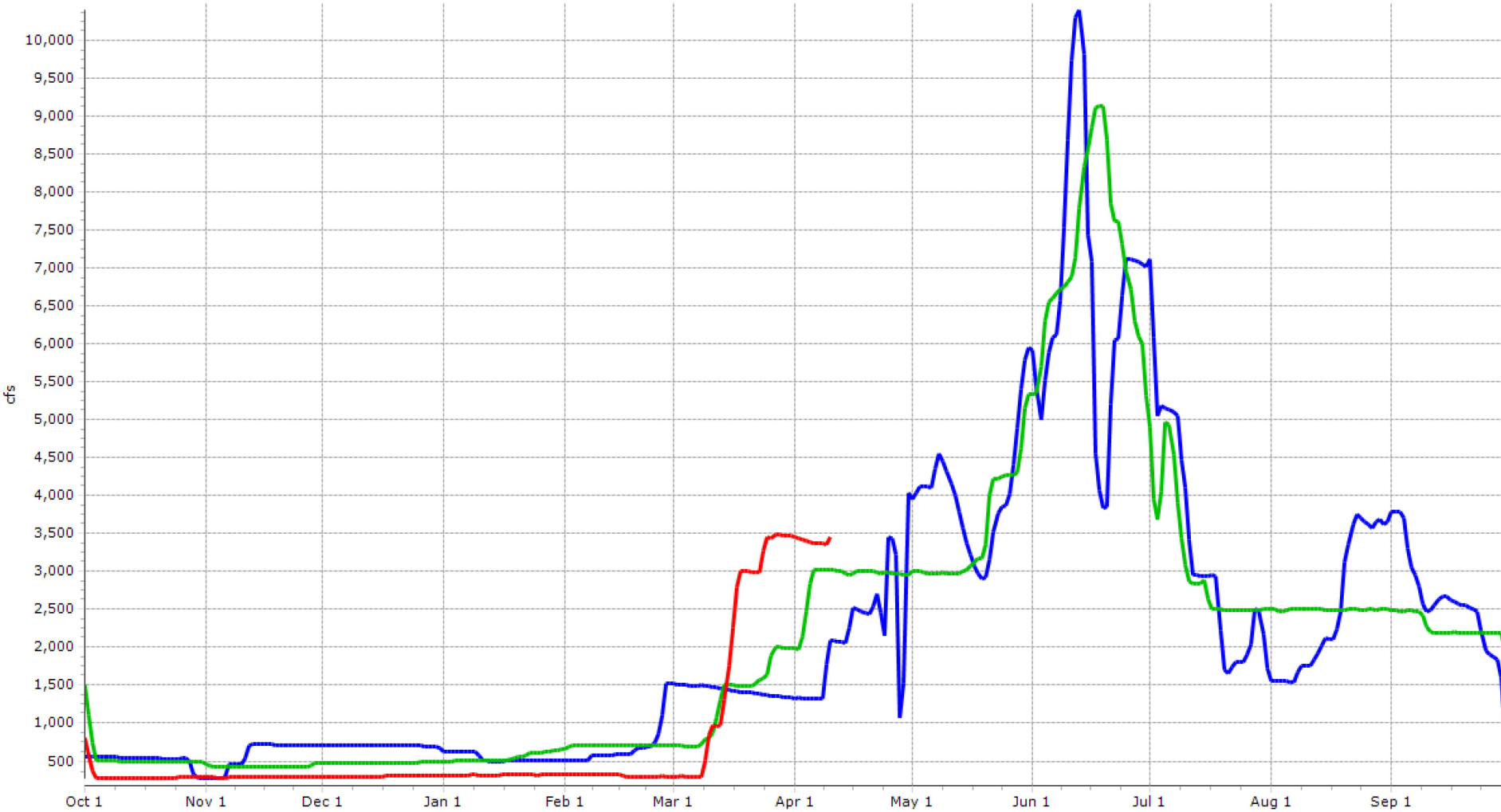
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Jackson Lake at Dam on Snake River near Moran, WY Elevation:6789.000

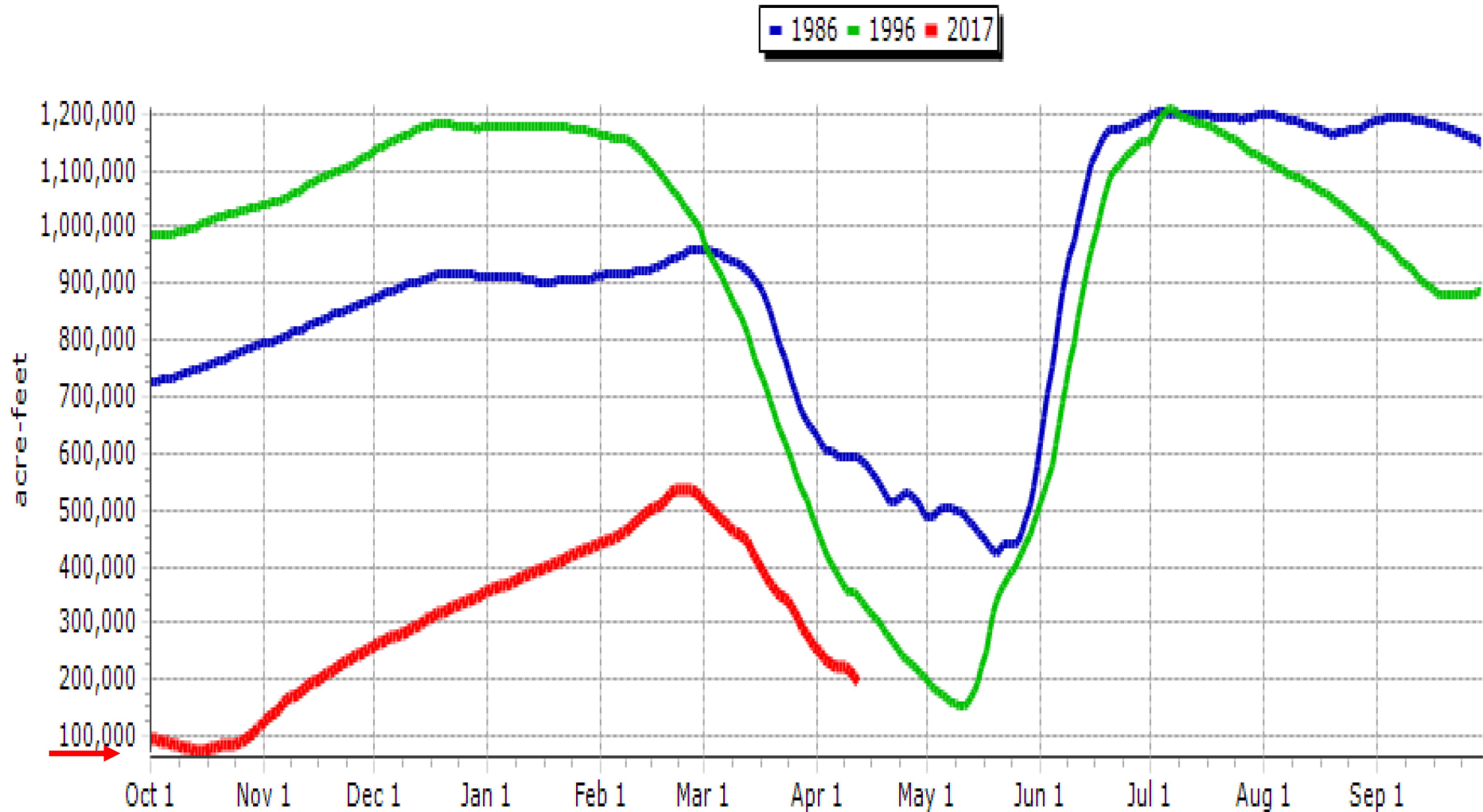


RECLAMATION

1986 1996 2017



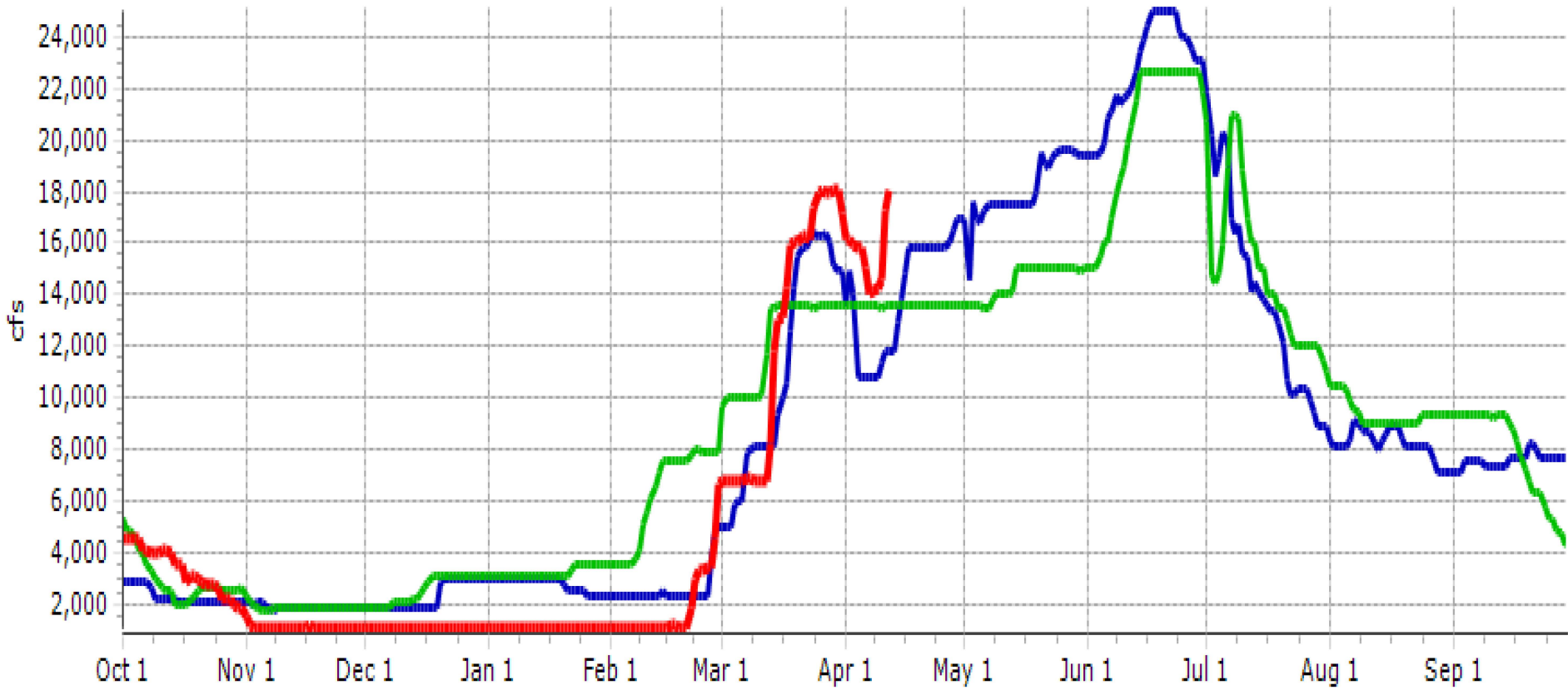
Palisades Reservoir near Irwin, ID Elevation:5353.000



RECLAMATION

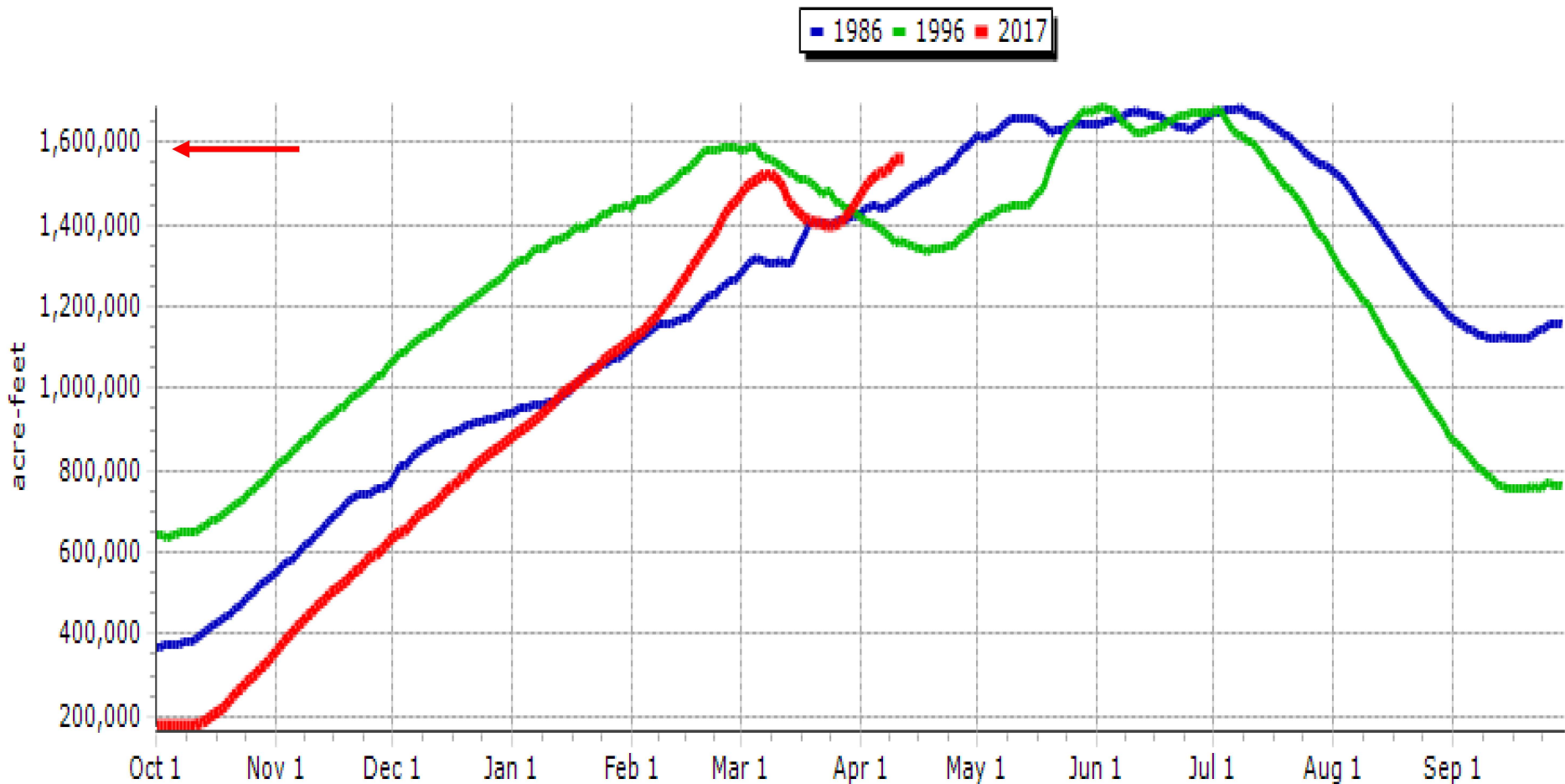
Snake River near Irwin, ID Elevation:5353.000

1986 1996 2017



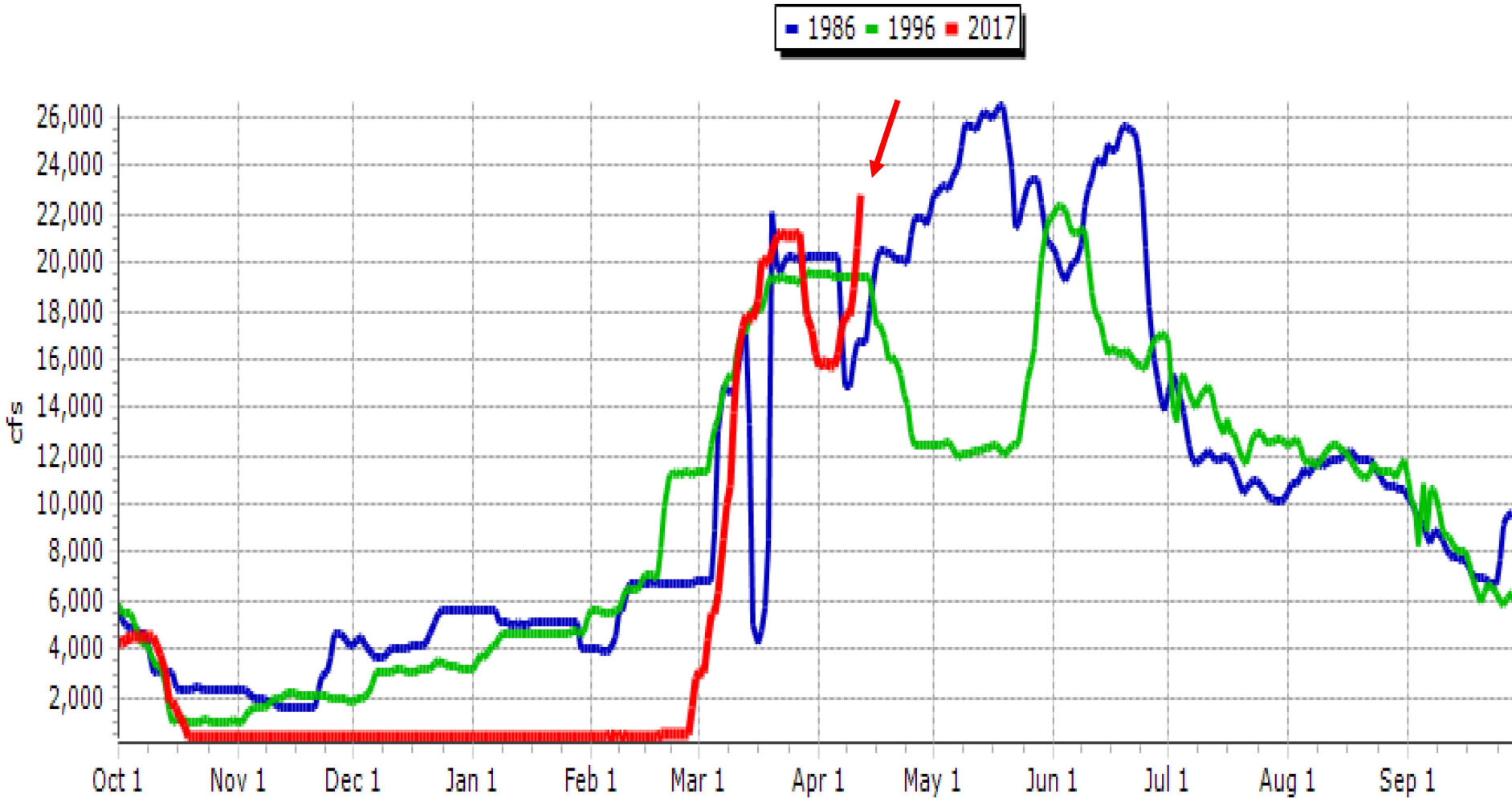
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American Falls Reservoir at American Falls, ID Elevation:4370.000



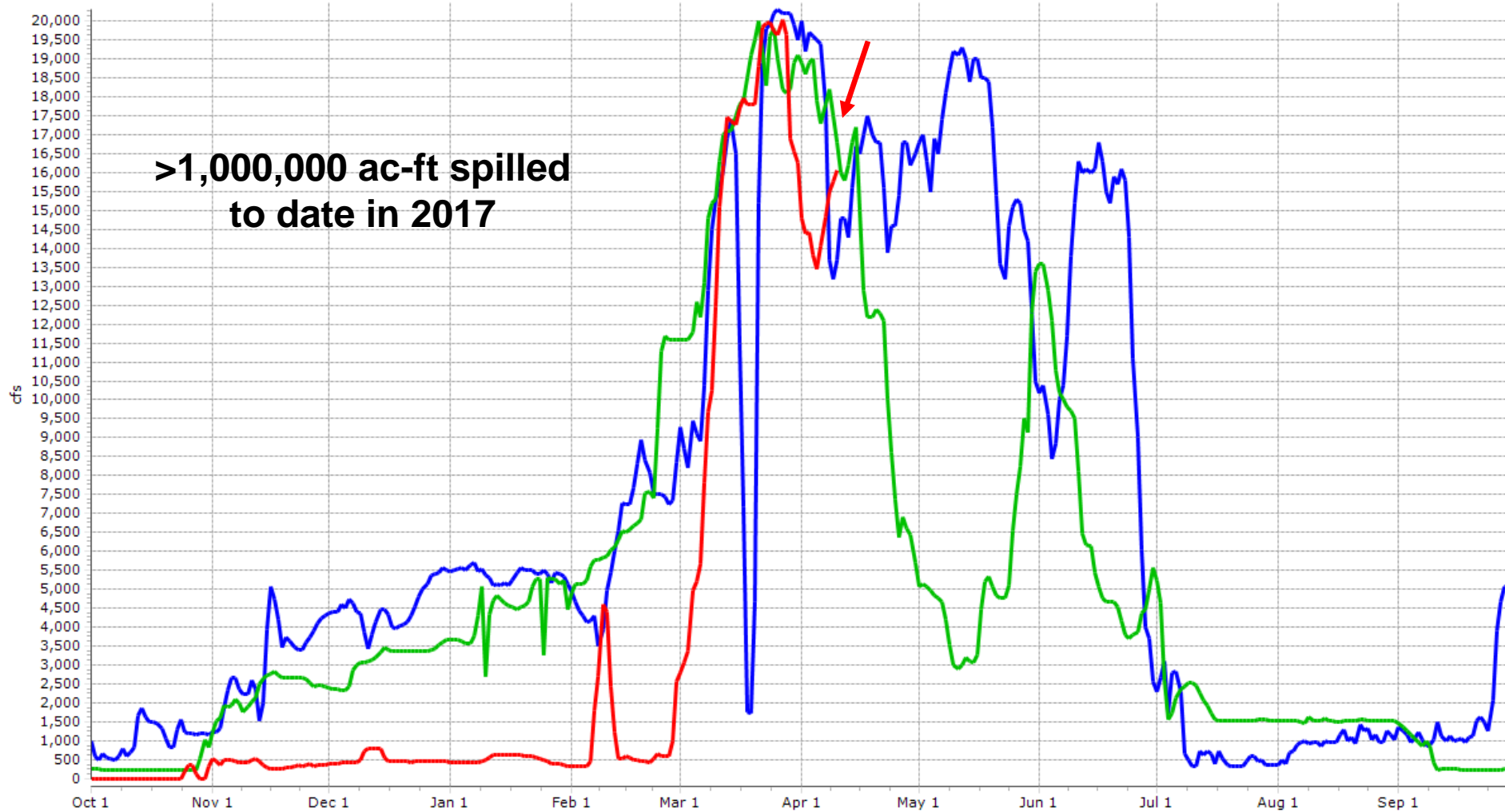
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Snake River at Neeley, ID Elevation:4242.000



RECLAMATION

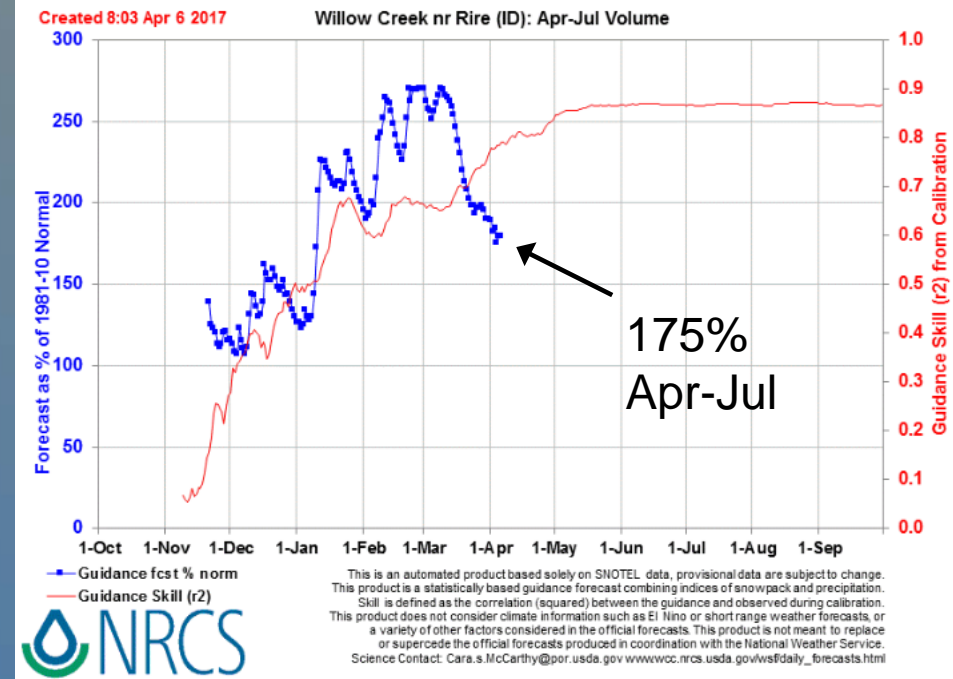
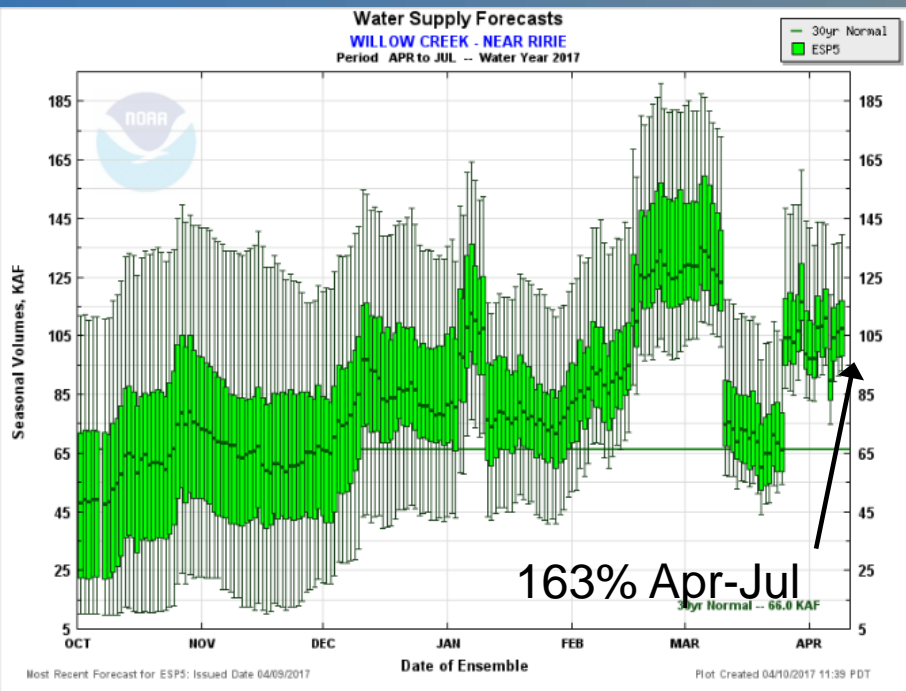
1986 1996 2017



**>1,000,000 ac-ft spilled
to date in 2017**

Ririe

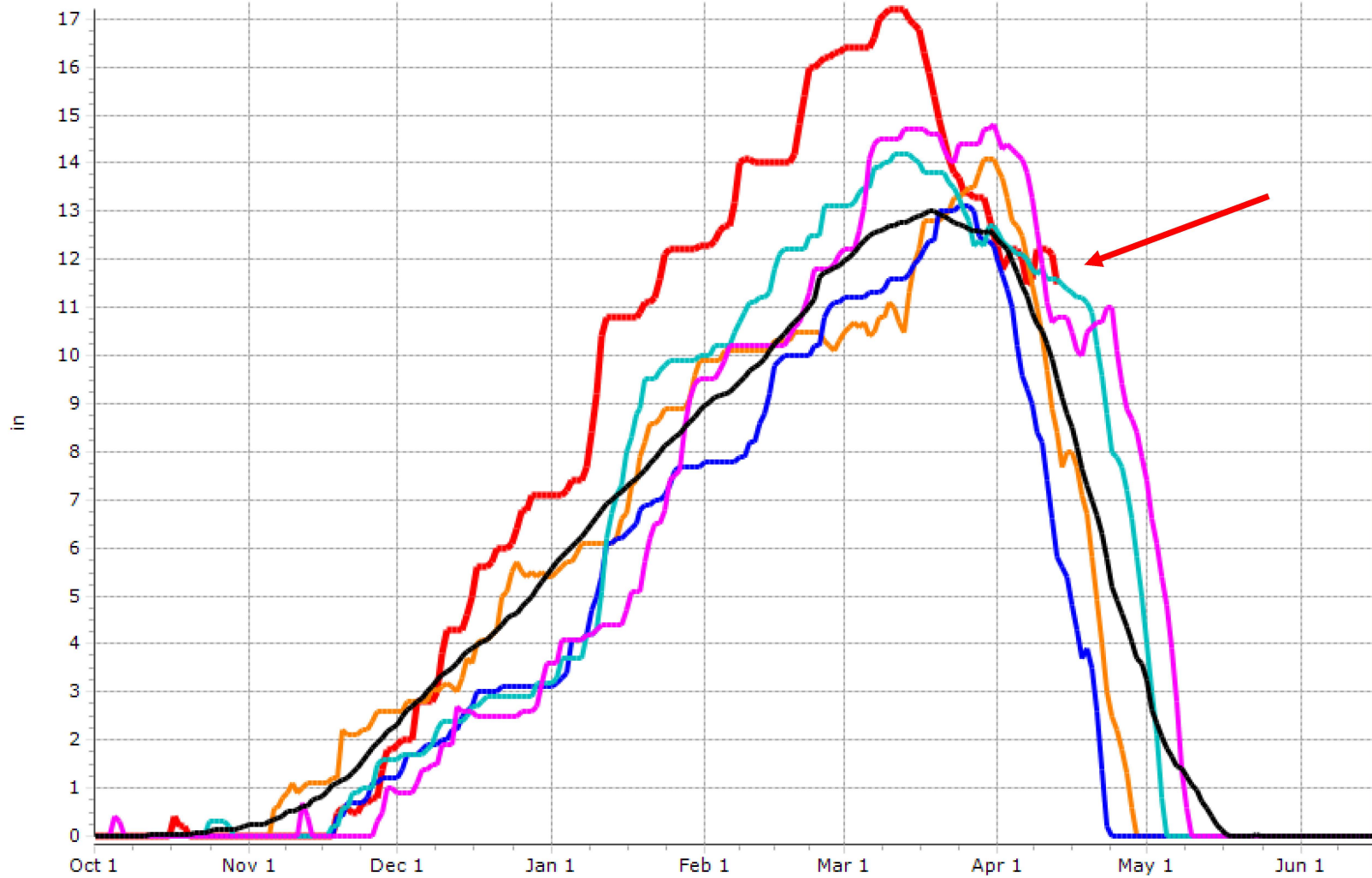
- USACE/BOR Coordinated 4/1-6/30
Forecast – 71 kaf (113%)



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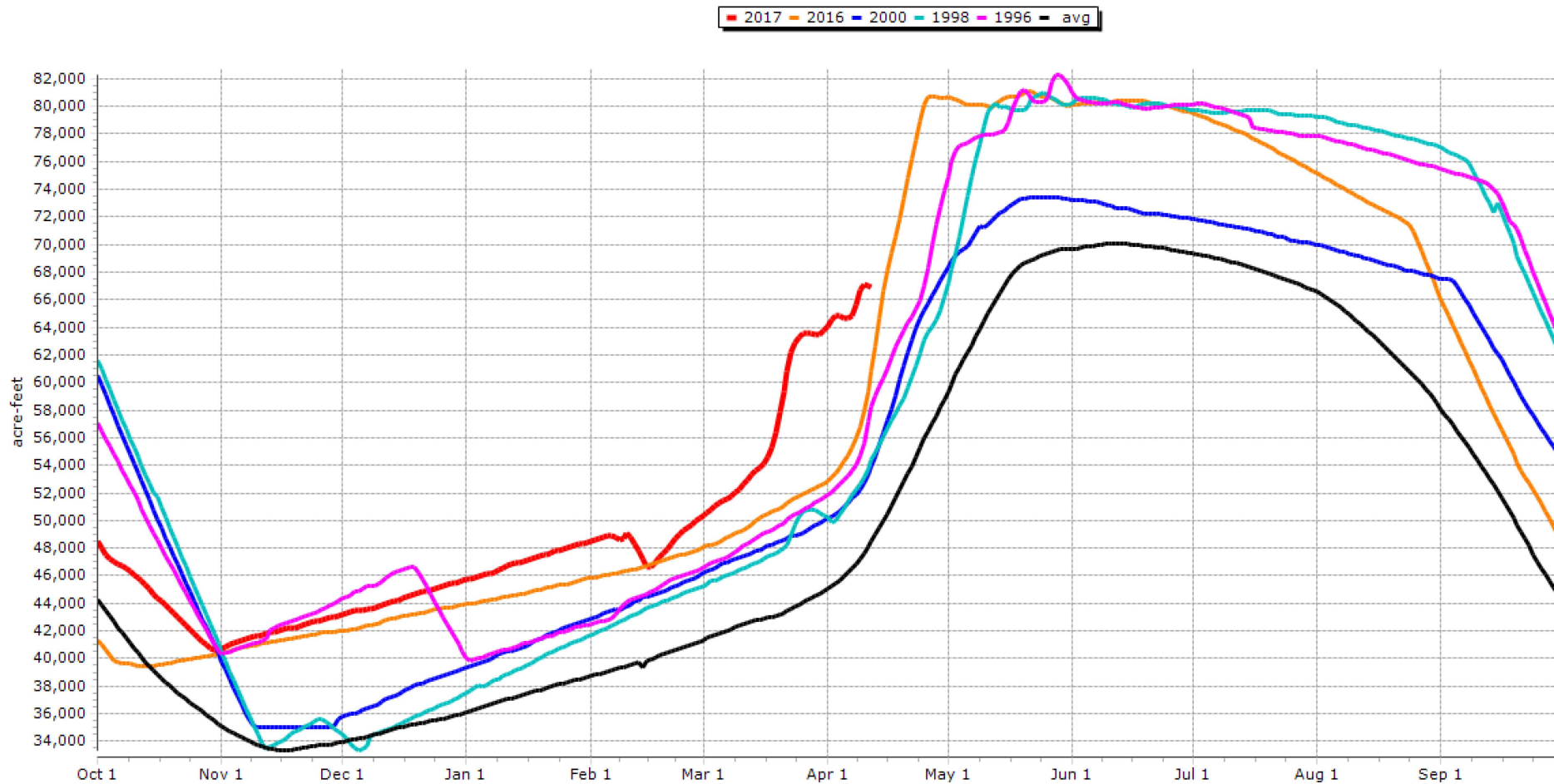
SHEEP MTN. Elevation:6570.000

2017 2016 2000 1998 1996 avg



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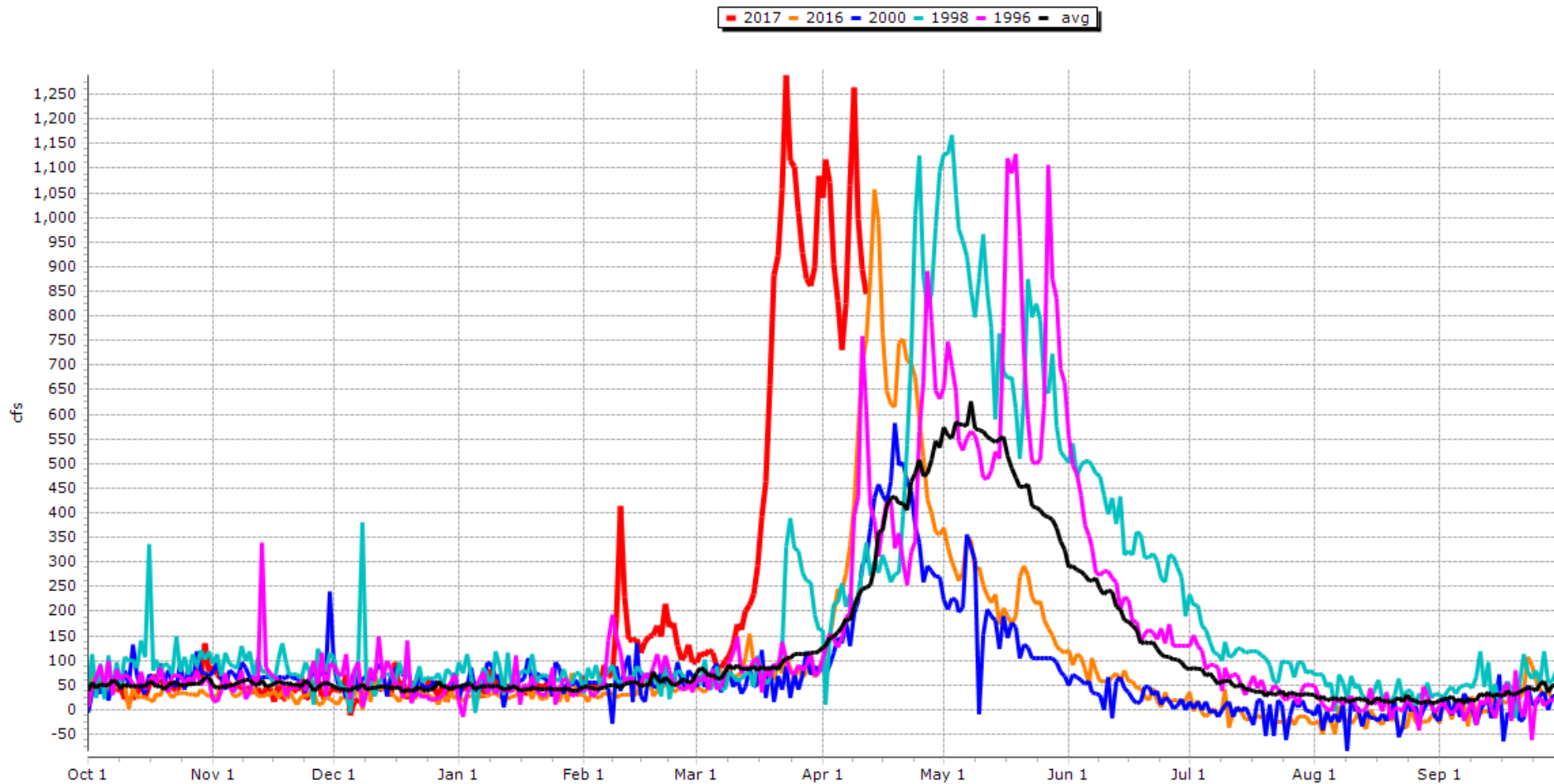
Ririe Dam and Lake near Ririe, ID Elevation:5119.000



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Ririe QU

Ririe Dam and Lake near Ririe, ID Elevation:5119.000

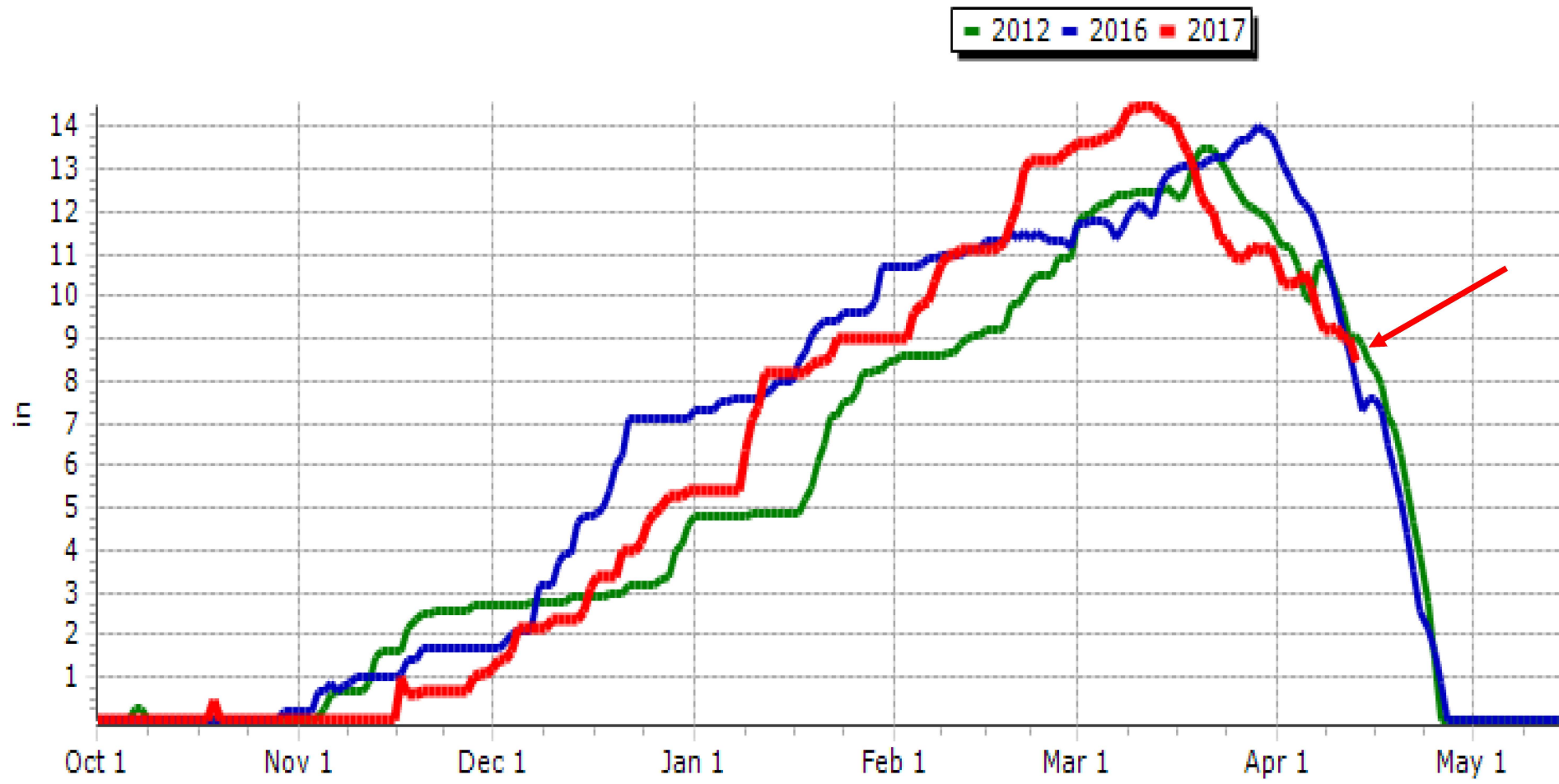


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Island Park

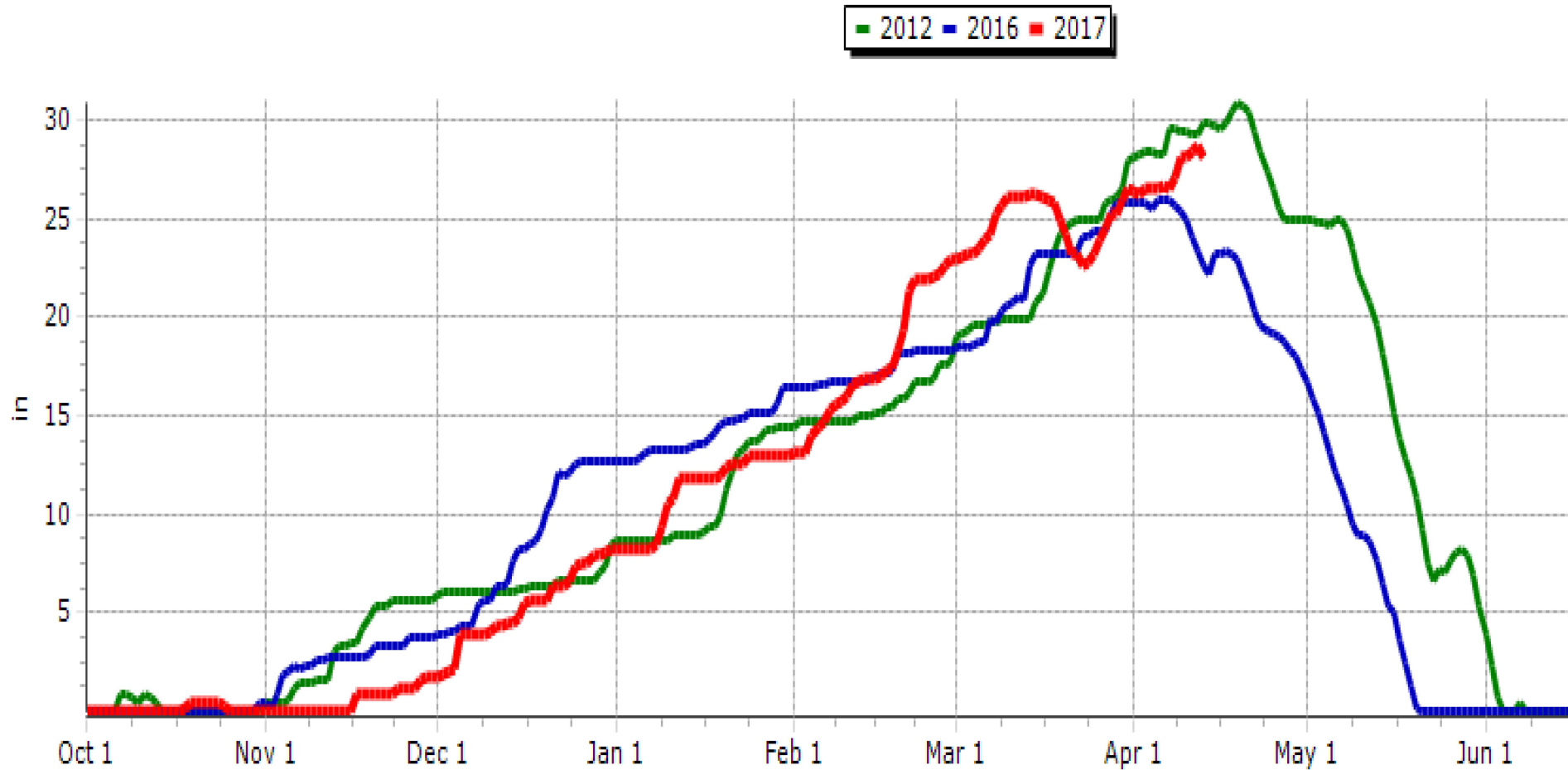
- BOR 4/1-7/31 Forecast – 193 kaf (90%)
- 2012 and 2016 Similar

ISLAND PARK Elevation:6290.000



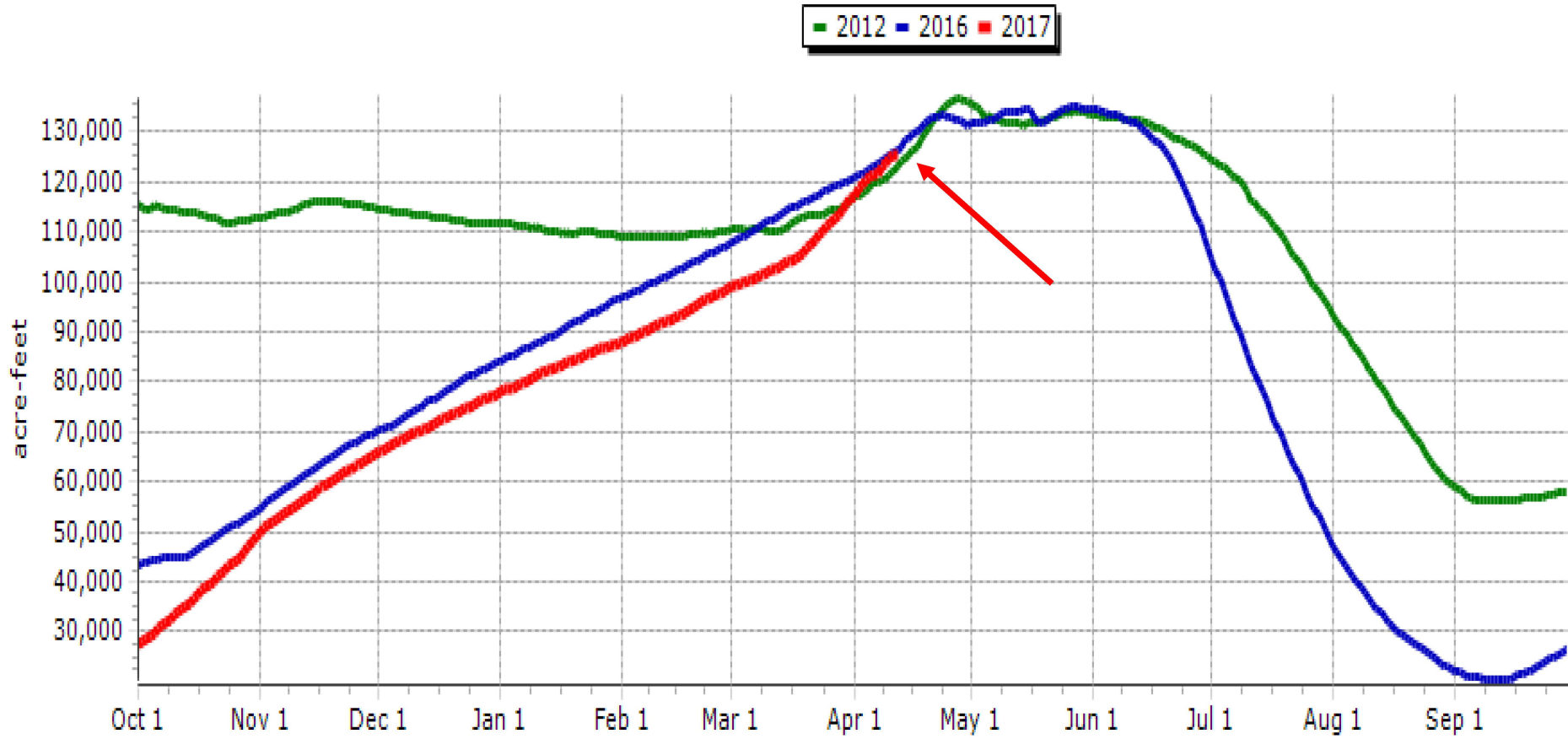
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WHITE ELEPHANT Elevation:7710.000



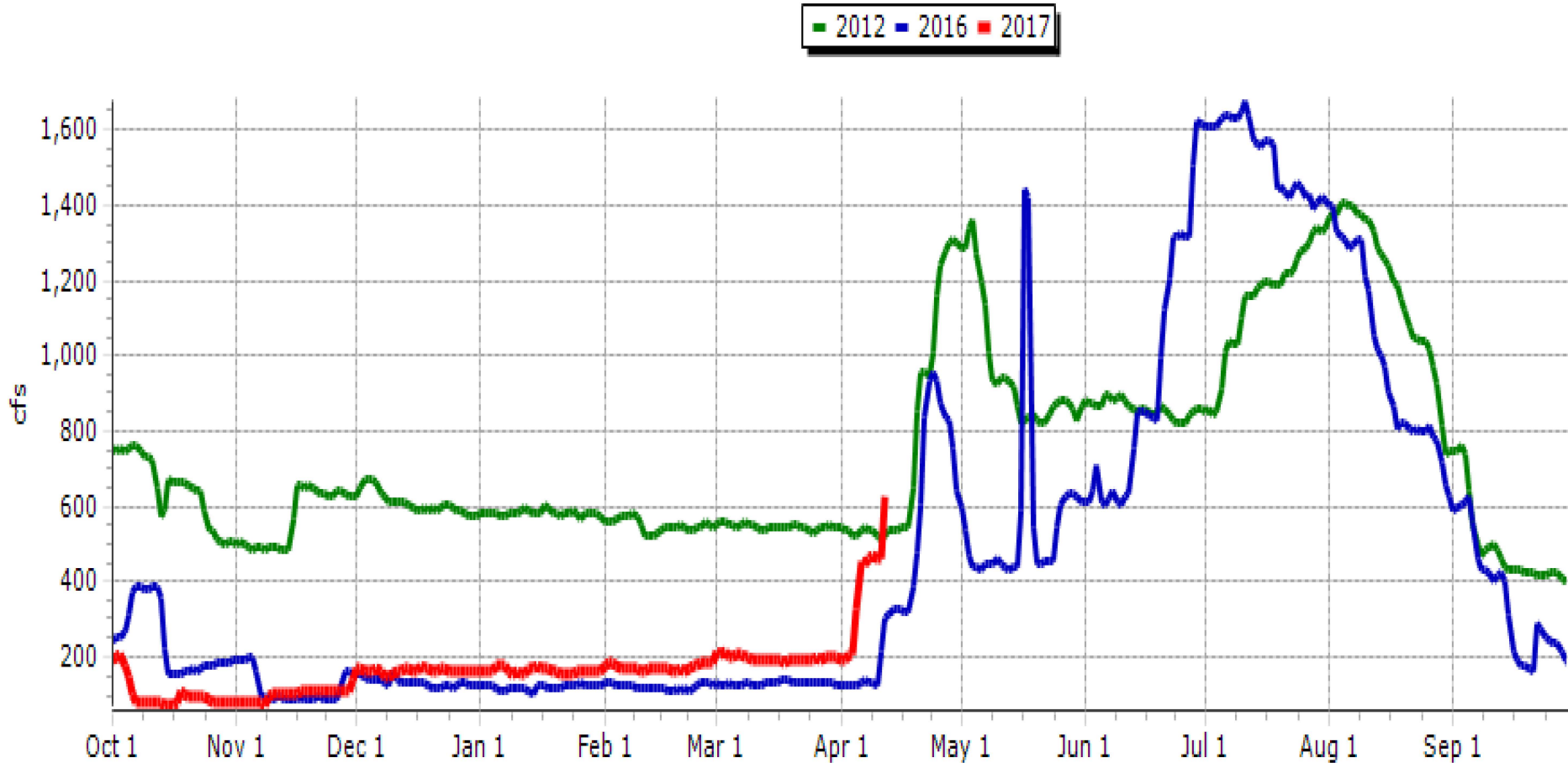
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Island Park Dam and Reservoir, ID Elevation:6302.000



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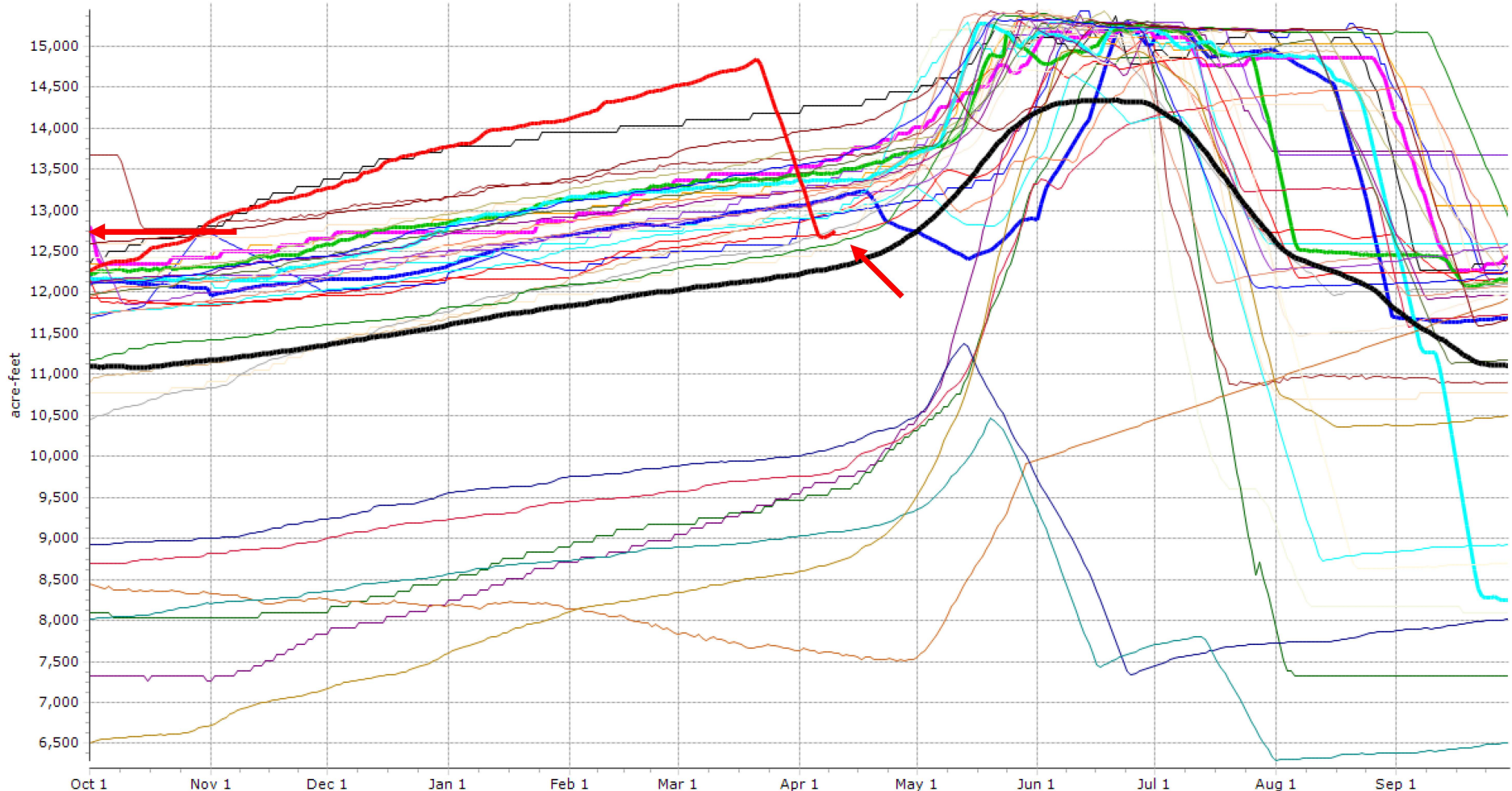
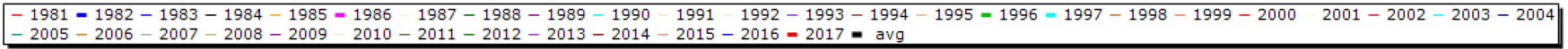
Henry's Fork near Island Park, ID Elevation:6225.000



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Grassy Lake

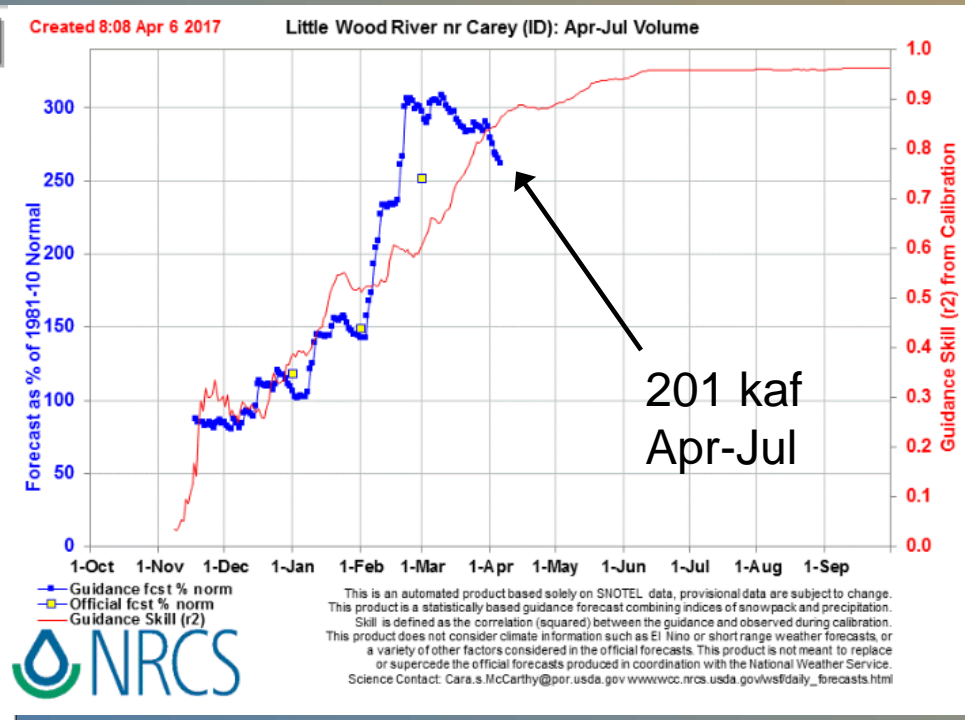
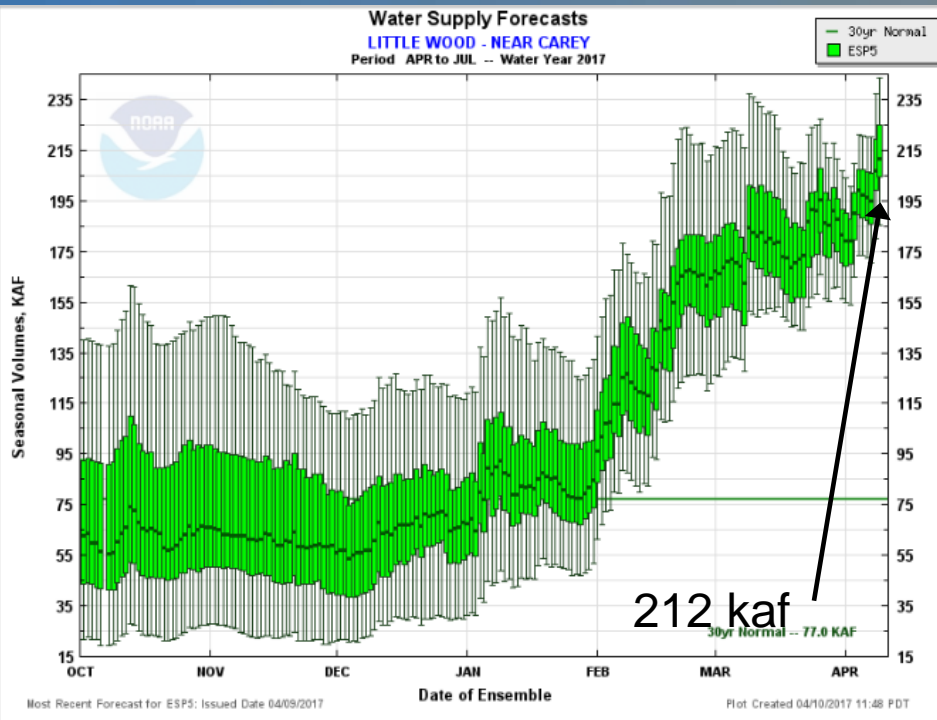
RECLAMATION



RECLAMATION

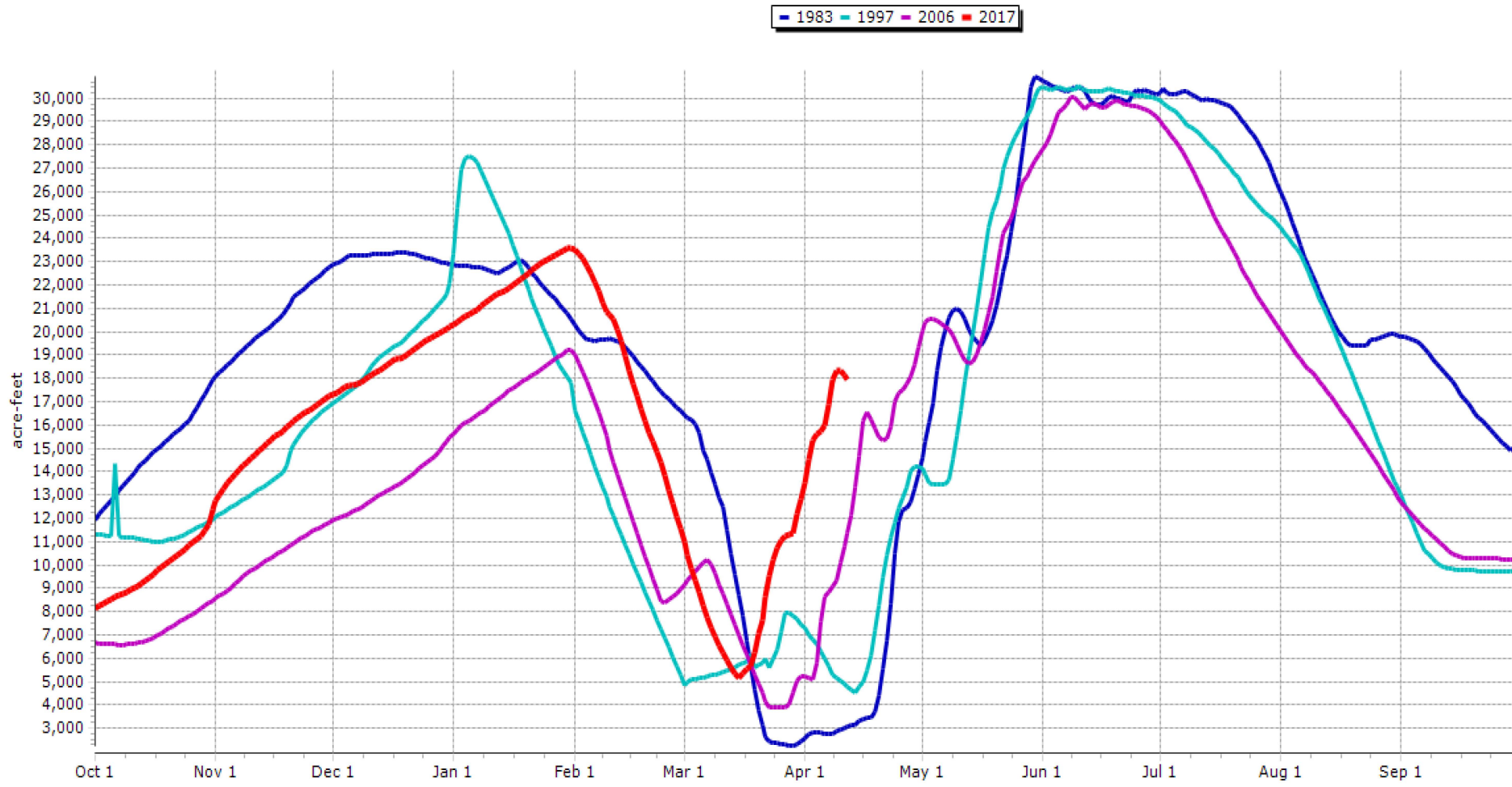
Little Wood

- USACE/BOR Coordinated 4/1-7/31
Forecast – 146 kaf (189%)



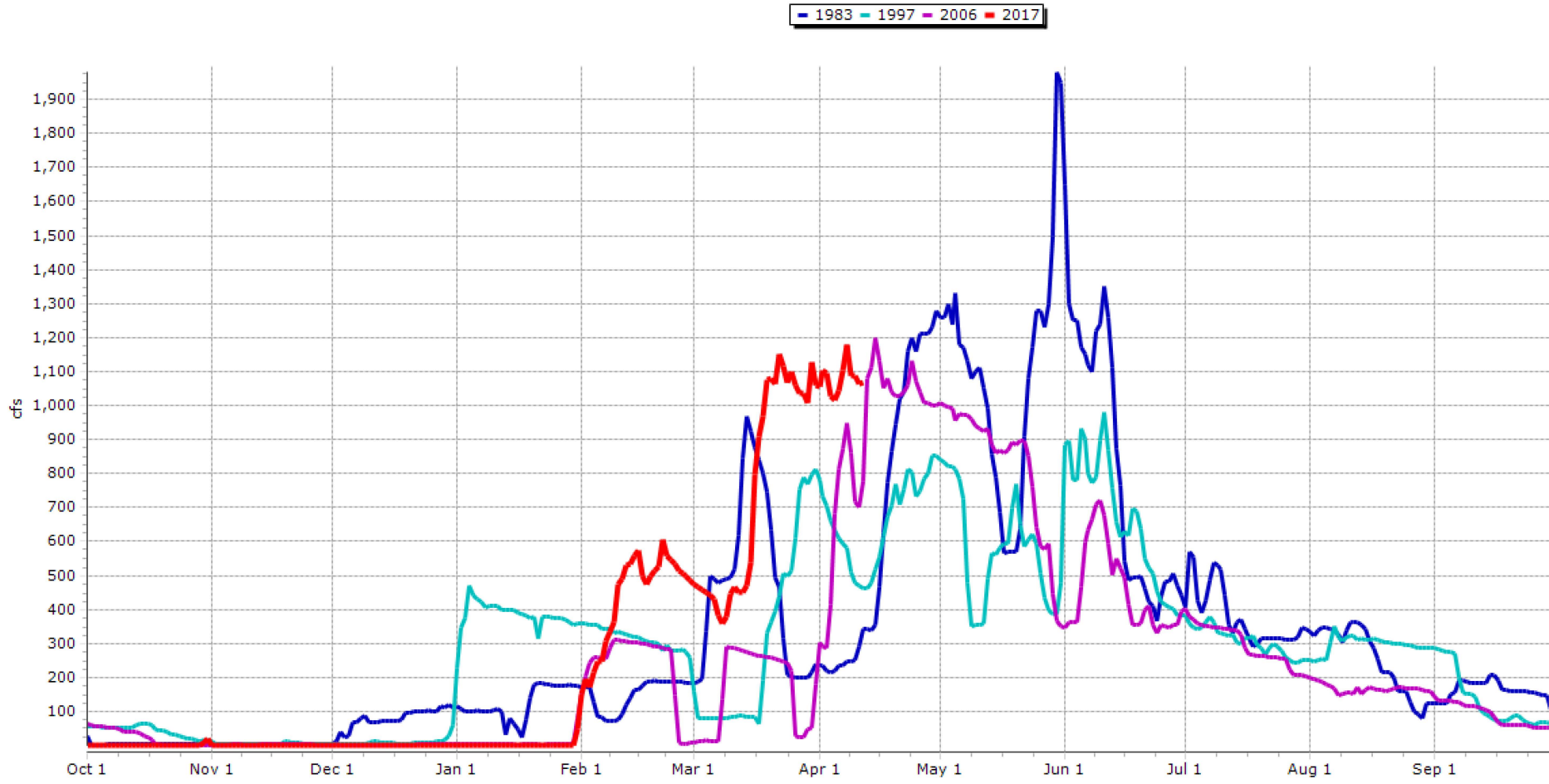
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Little Wood Dam and Reservoir near Carey, ID Elevation:5100.000



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Little Wood River near Carey, ID Elevation:4991.000



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Operation Plan (Summary)*

- JCK – 3,500 cfs discharge – will likely get into the >5,000 cfs range later.
- PAL – 18,000 cfs discharge – likely at this level for some time. Mid-Month forecast likely to require <100 kaf contents
- RIR – 900 cfs discharge – hold current reservoir space for 1-2 weeks. Manage discharges to fill early to mid-May
- ISL – 800 cfs discharge – anticipate filling reservoir early May. Additional increases are possible
- GRS – 2,000 ac-ft release 3/22/2017 – 4/7/2017. Will likely require additional releases during final fill in May
- AMF – 25,000 cfs discharge. Maintain 1.5 to 1.55 MAF contents for near term. Targeting fill by early/mid-May and to maintain full pool into June
- MIL – Approx. 22,000 cfs spill past Milner
- WOD – Approx. 1,000 cfs discharge. Continue to maximize release
- 185 kaf flow aug rental per Rainbow Chart

*SUBJECT TO CHANGE

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