NRCS Natural Resources Conservation Service

USDA United States Department of Agriculture

February 8, 2008

Idaho Water Supply Committee

Idaho Water Supply Outlook and Snow Survey Update

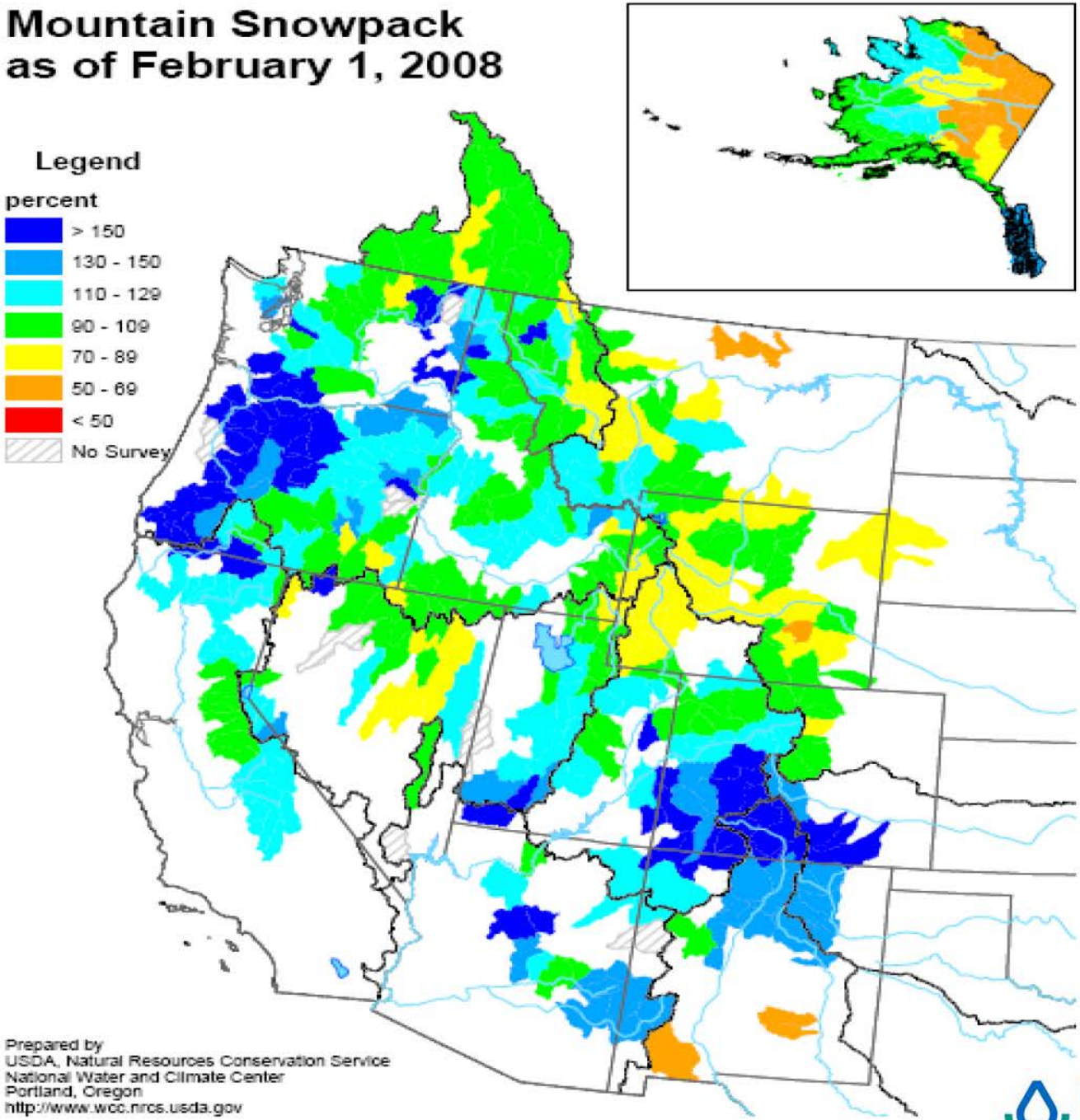
Phil Morrisey
Hydrologist USDA NRCS
Snow Survey Boise, Idaho

Bad Bear Snow Course above Idaho City **January 31, 2008**

Snow Depth 61”, average depth is 36”

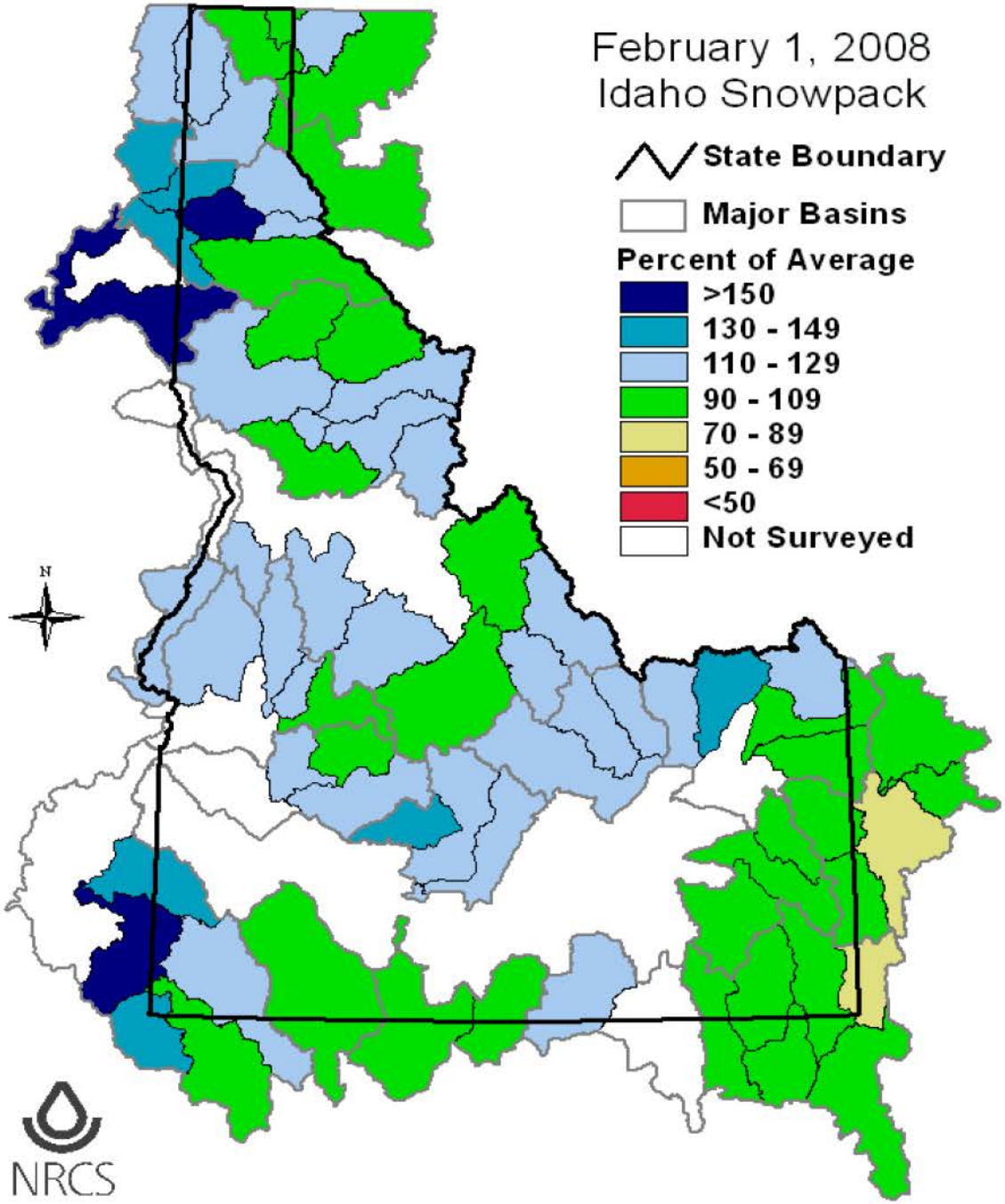
Snow Water Content 12.4” average is 10.2”

Mountain Snowpack as of February 1, 2008

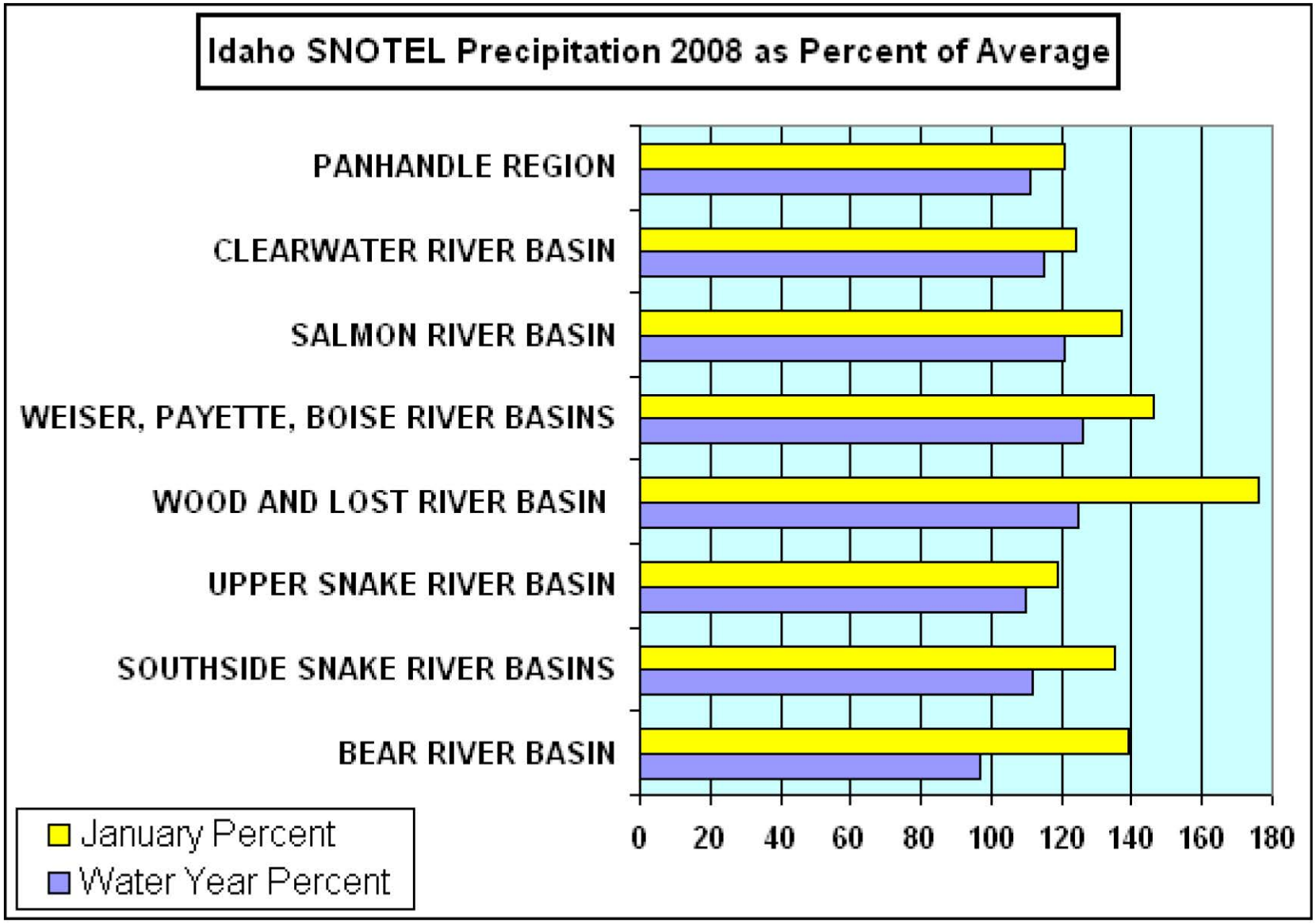


Prepared by
USDA, Natural Resources Conservation Service
National Water and Climate Center
Portland, Oregon
http://www.wcc.nrcs.usda.gov

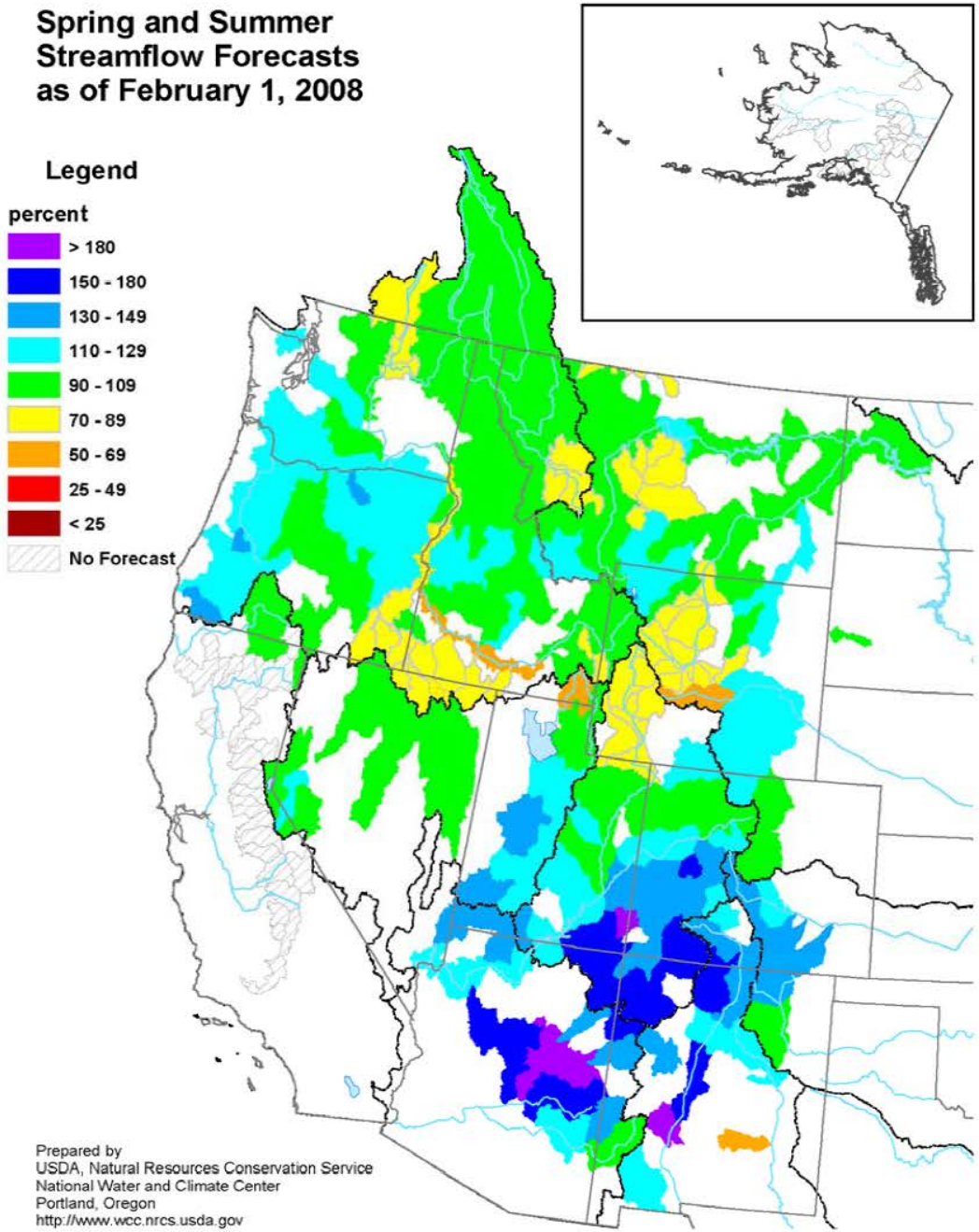
NRCS Natural Resources Conservation Service



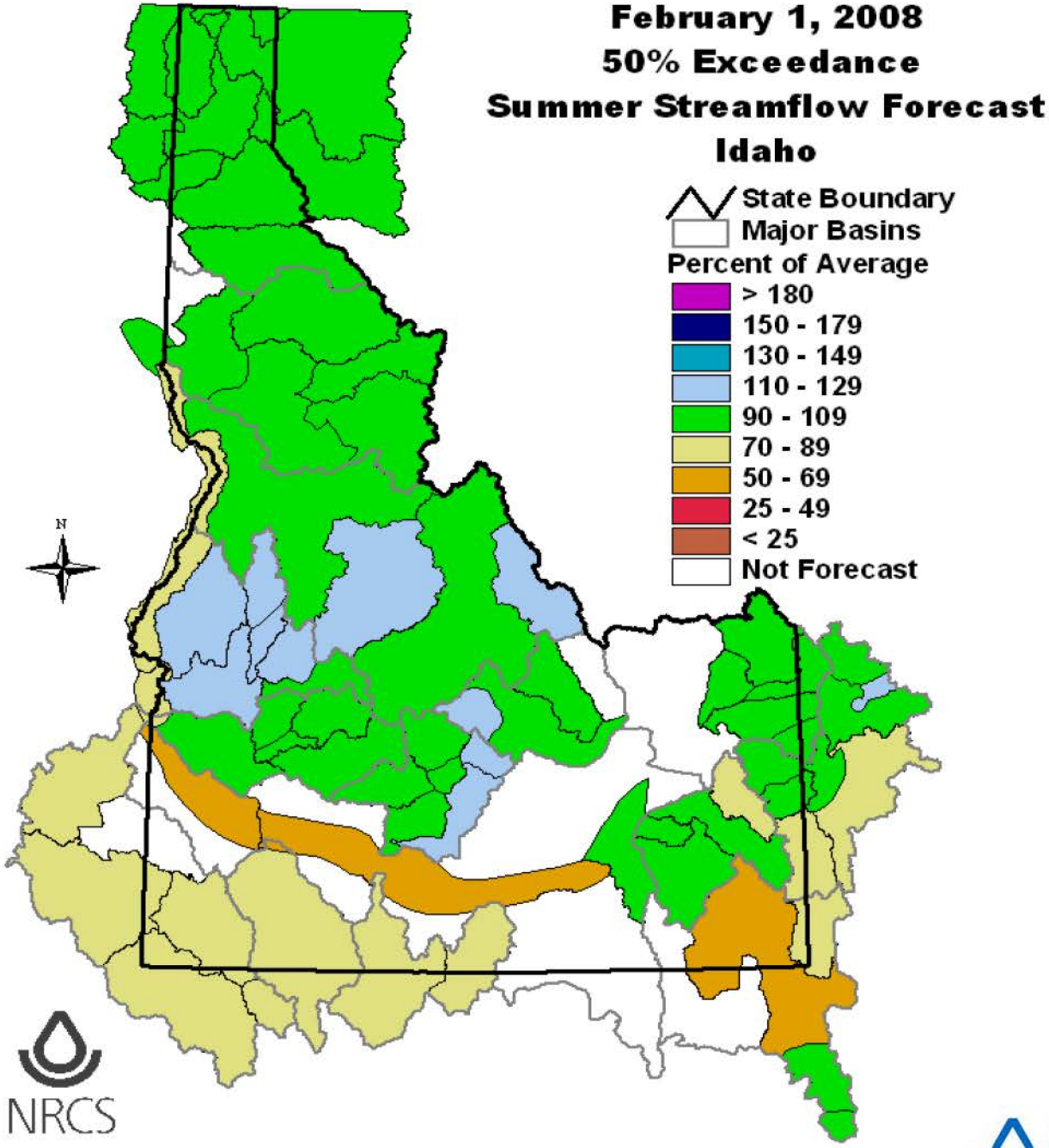
NRCS Natural Resources Conservation Service


Idaho SNOTEL Precipitation 2008 as Percent of Average
PANHANDLE REGION
CLEARWATER RIVER BASIN
SALMON RIVER BASIN
WEISER, PAYETTE, BOISE RIVER BASINS
WOOD AND LOST RIVER BASIN
UPPER SNAKE RIVER BASIN
SOUTHSIDE SNAKE RIVER BASINS
BEAR RIVER BASIN
0
20
40
60
80
100
120
140
160
180
January Percent
Water Year Percent

Spring and Summer Streamflow Forecasts as of February 1, 2008

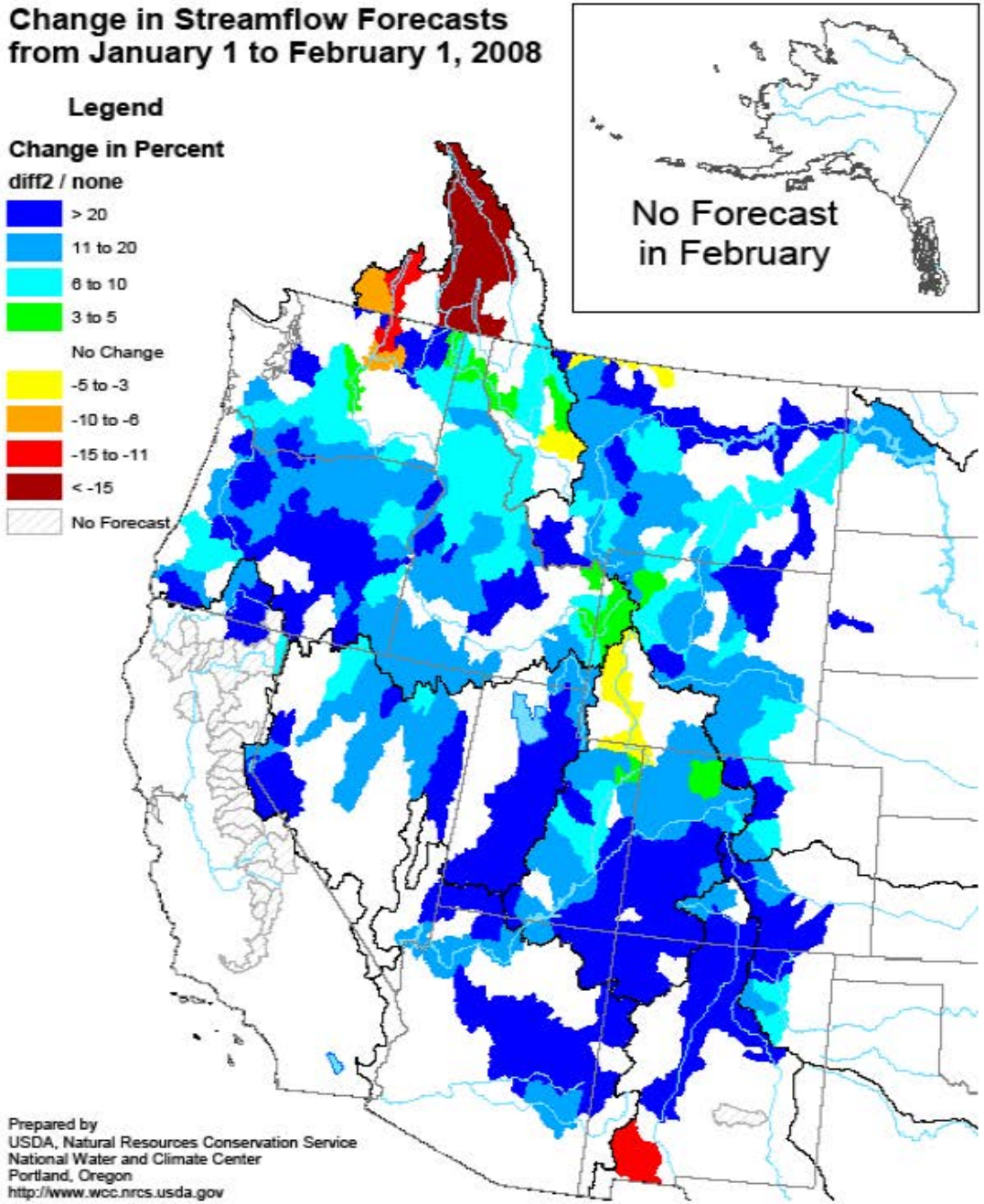


Prepared by
USDA, Natural Resources Conservation Service
National Water and Climate Center
Portland, Oregon
http://www.wcc.nrcs.usda.gov

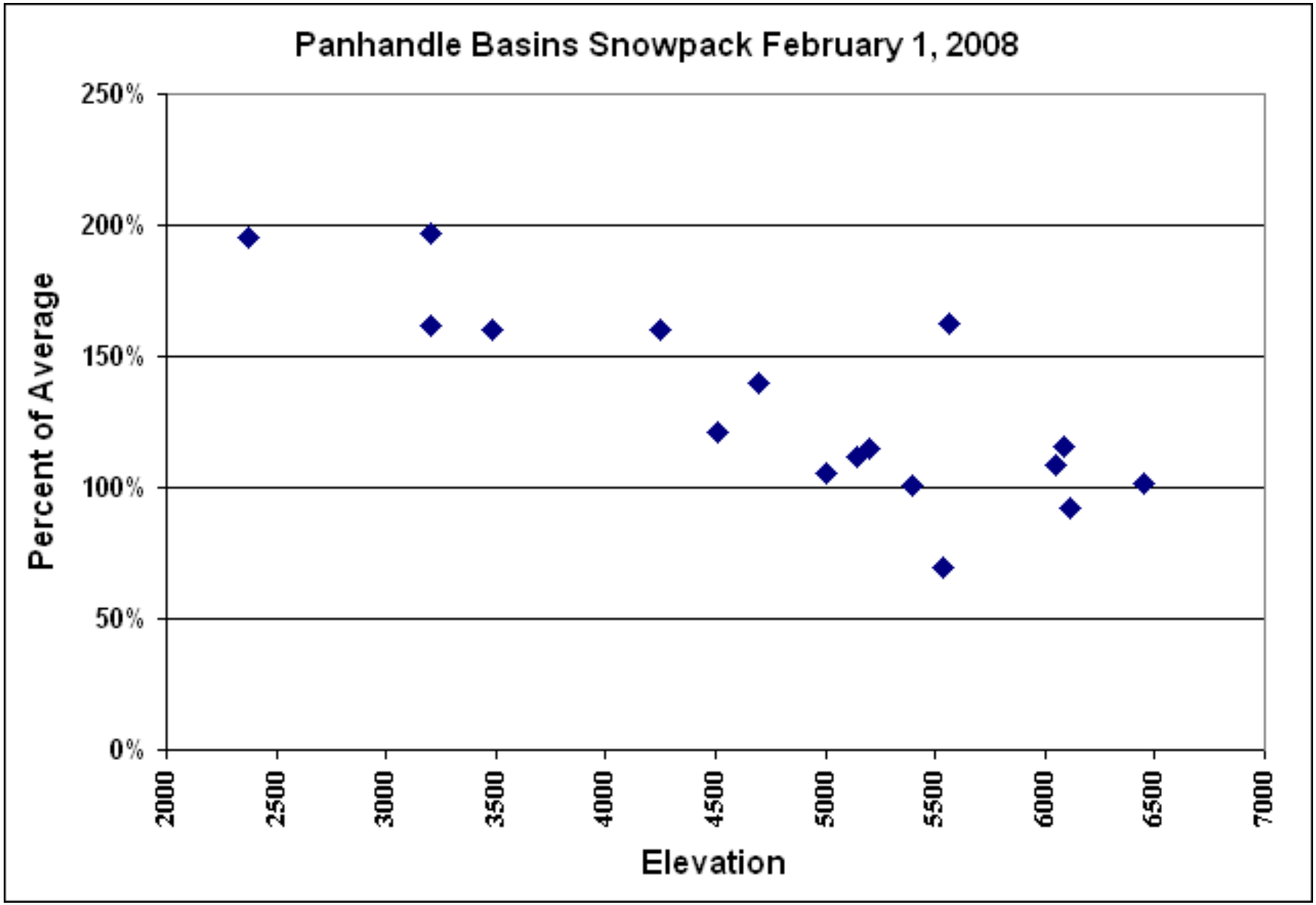


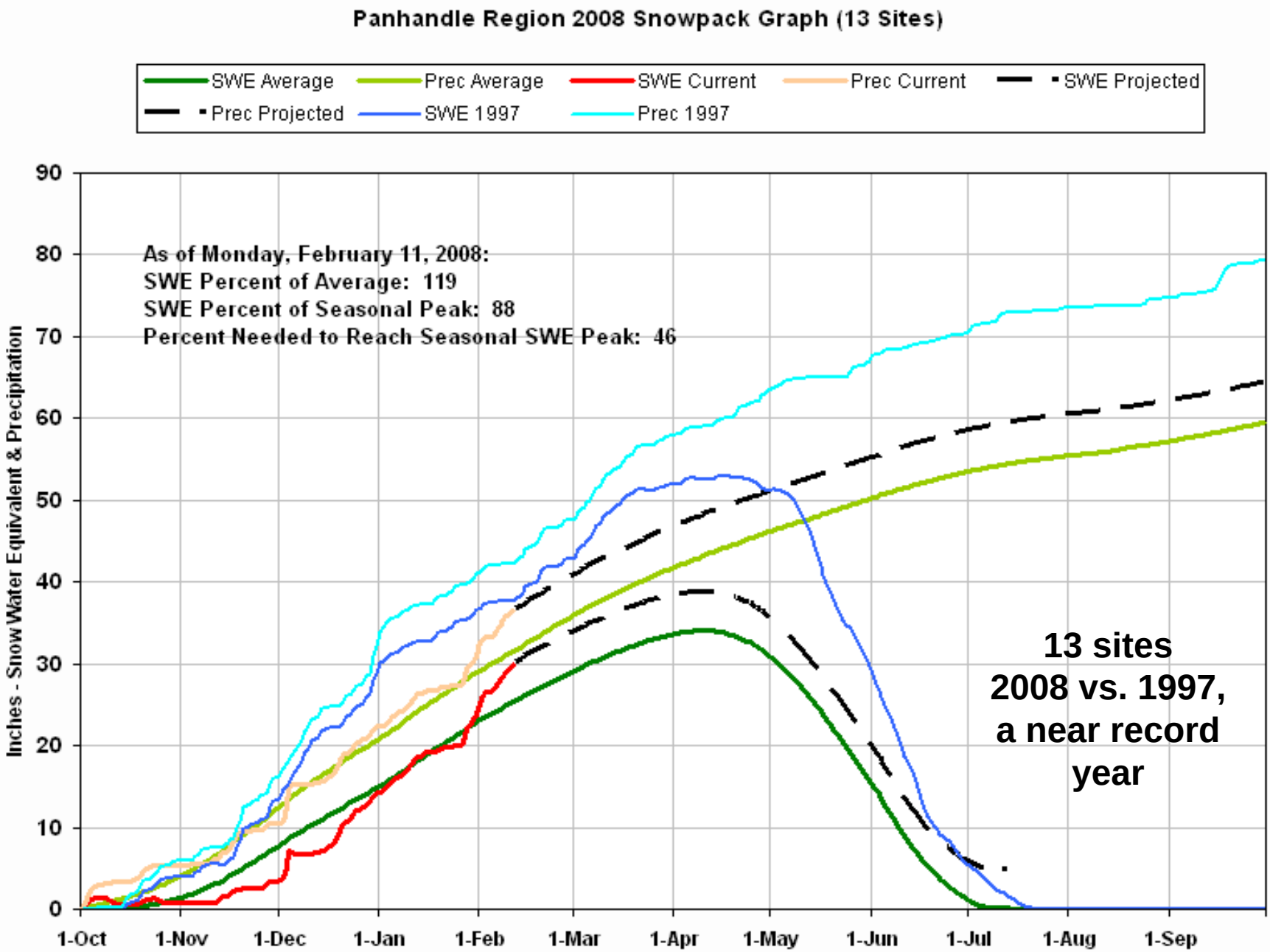
NRCS Natural Resources Conservation Service

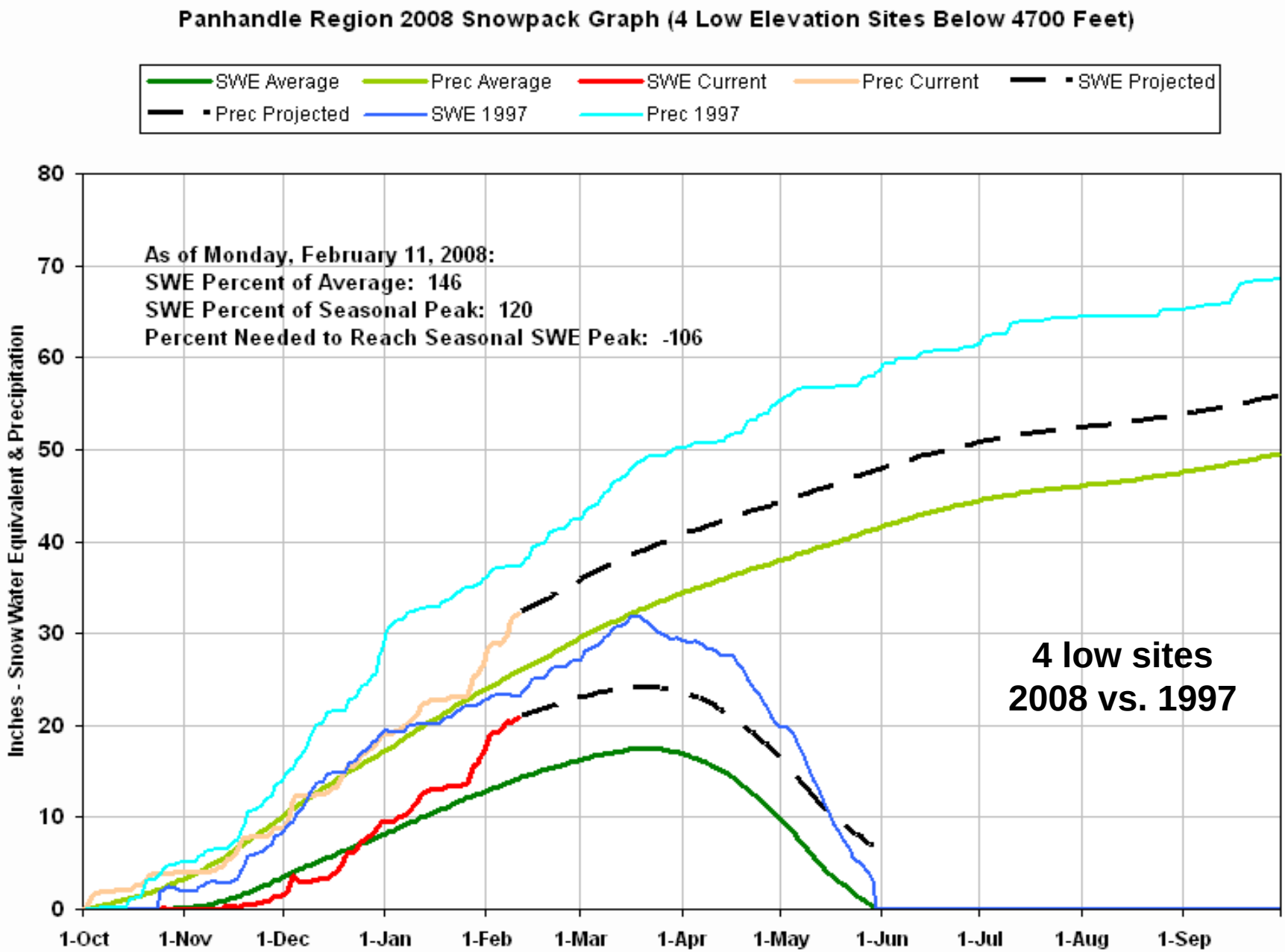
Change in Streamflow Forecasts from January 1 to February 1, 2008

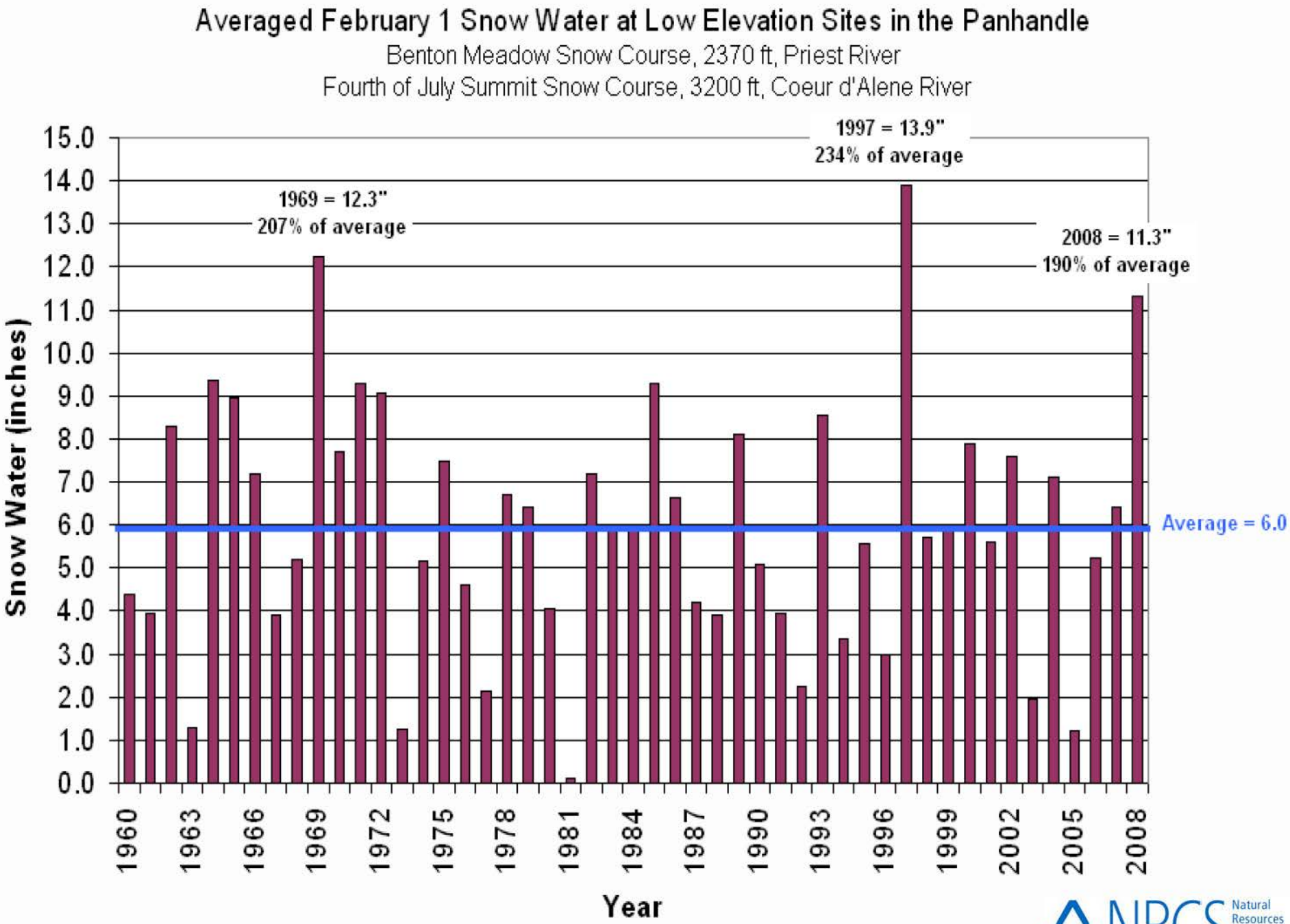


Panhandle Region

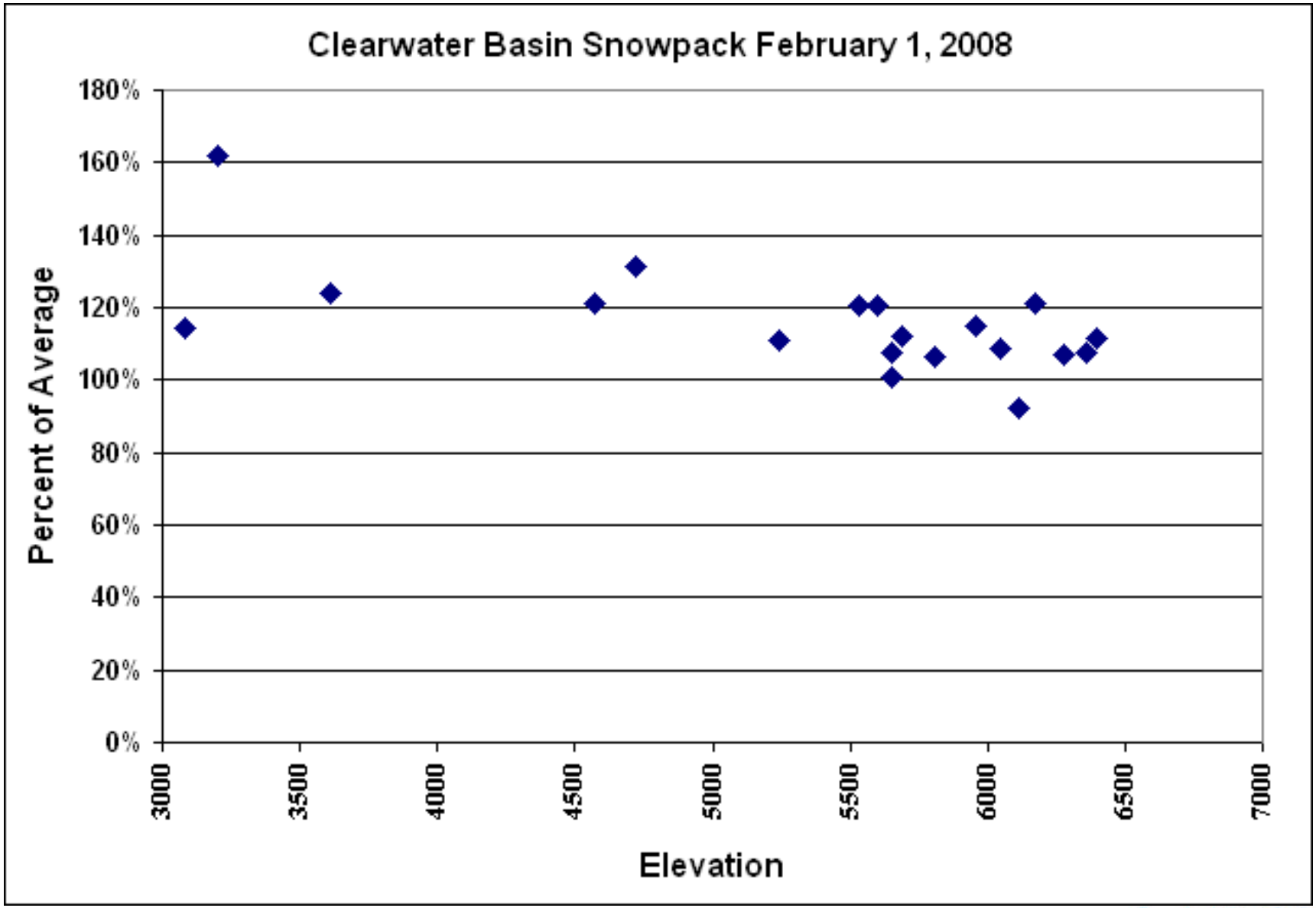



Panhandle Region 2008 Snowpack Graph (13 Sites)
SWE Average
Prec Average
SWE Current
Prec Current
SWE Projected
Prec Projected
SWE 1997
Prec 1997
As of Monday, February 11, 2008:
SWE Percent of Average: 119
SWE Percent of Seasonal Peak: 88
Percent Needed to Reach Seasonal SWE Peak: 46
Inches - Snow Water Equivalent & Precipitation
0
10
20
30
40
50
60
70
80
90
1-Oct
1-Nov
1-Dec
1-Jan
1-Feb
1-Mar
1-Apr
1-May
1-Jun
1-Jul
1-Aug
1-Sep
13 sites
2008 vs. 1997,
a near record
year

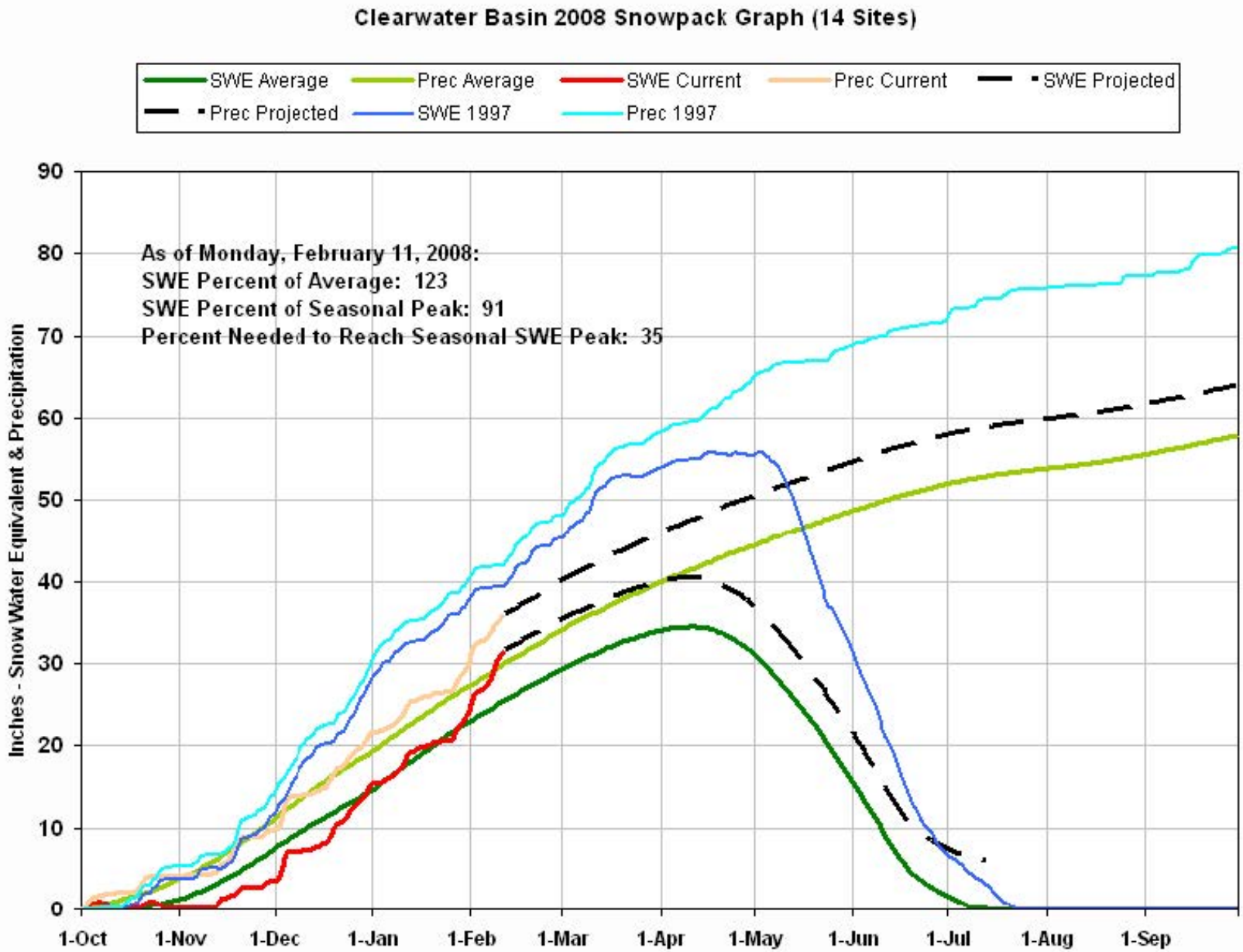

Panhandle Region 2008 Snowpack Graph (4 Low Elevation Sites Below 4700 Feet)
SWE Average
Prec Average
SWE Current
Prec Current
SWE Projected
Prec Projected
SWE 1997
Prec 1997
As of Monday, February 11, 2008:
SWE Percent of Average: 146
SWE Percent of Seasonal Peak: 120
Percent Needed to Reach Seasonal SWE Peak: -106
4 low sites
2008 vs. 1997
Inches - Snow Water Equivalent & Precipitation
0
10
20
30
40
50
60
70
80
1-Oct
1-Nov
1-Dec
1-Jan
1-Feb
1-Mar
1-Apr
1-May
1-Jun
1-Jul
1-Aug
1-Sep

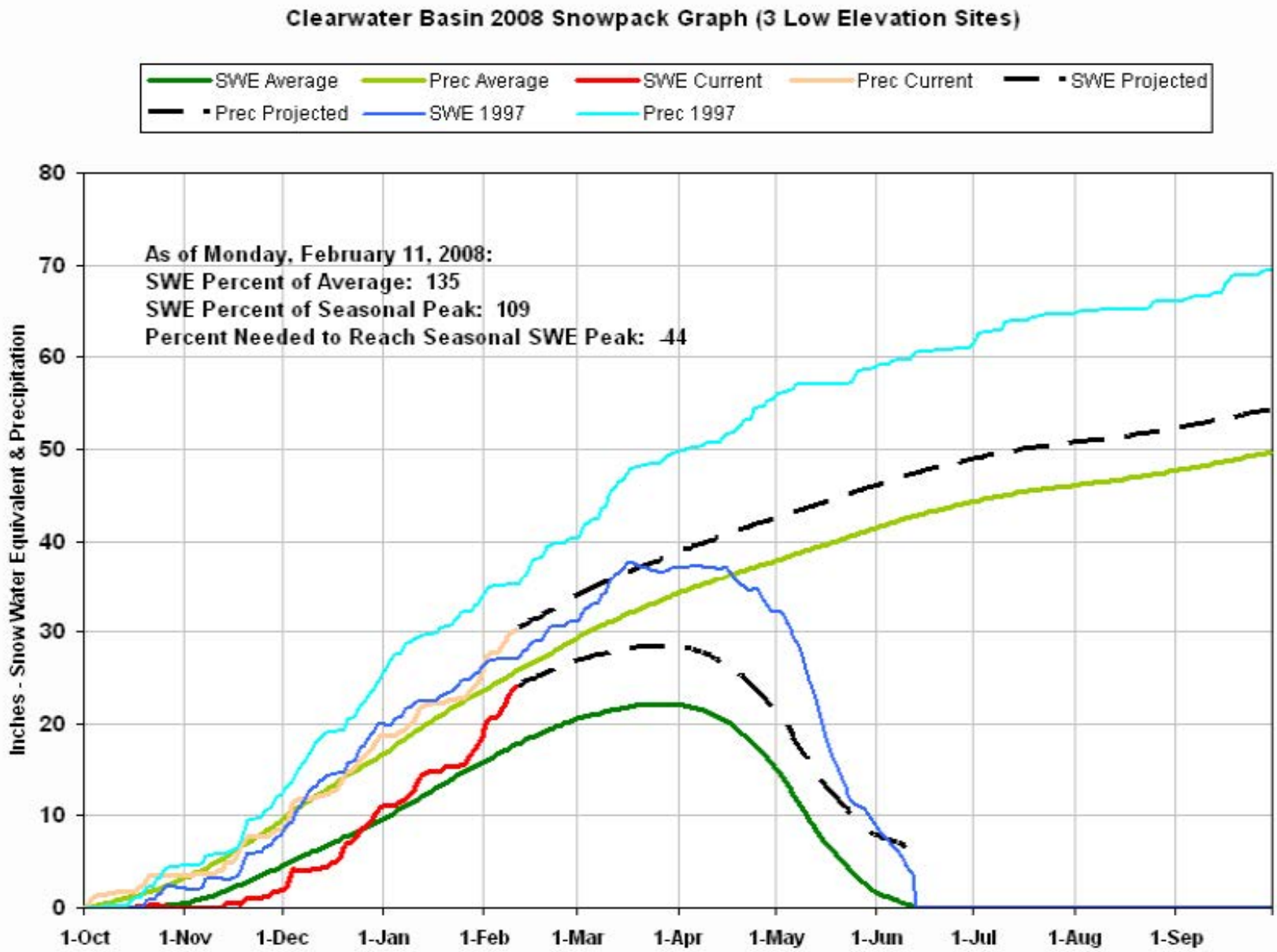

Averaged February 1 Snow Water at Low Elevation Sites in the Panhandle
Benton Meadow Snow Course, 2370 ft, Priest River
Fourth of July Summit Snow Course, 3200 ft, Coeur d'Alene River
1997 = 13.9"
234% of average
1969 = 12.3"
207% of average
2008 = 11.3"
190% of average
Average = 6.0
Snow Water (inches)
15.0
14.0
13.0
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
1960
1963
1966
1969
1972
1975
1978
1981
1984
1987
1990
1993
1996
1999
2002
2005
2008
Year
NRCS
Natural Resources Conservation Service

Clearwater Basin

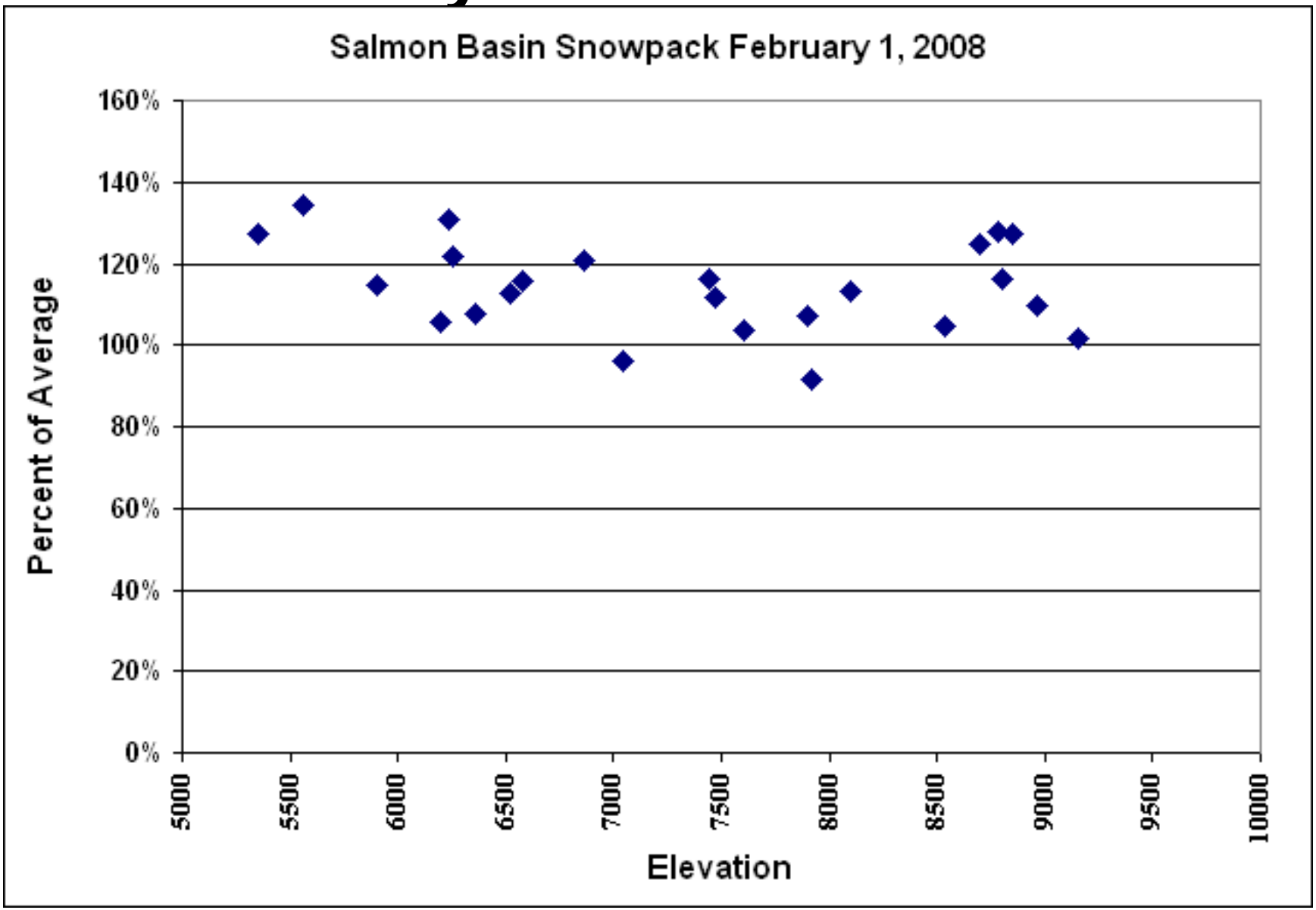


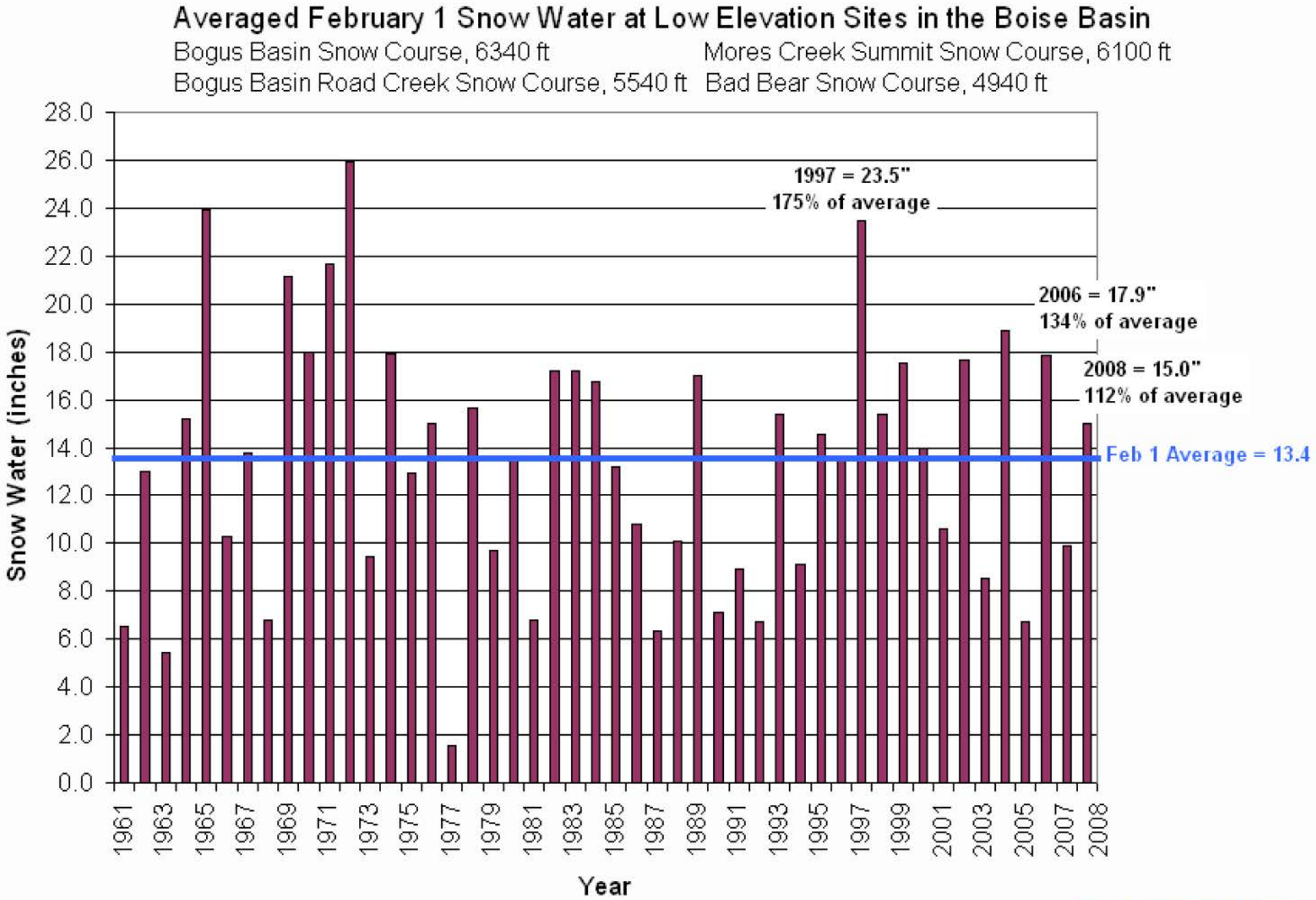
NRCS Natural Resources Conservation Service


Clearwater Basin 2008 Snowpack Graph (14 Sites)
SWE Average
Prec Average
SWE Current
Prec Current
SWE Projected
Prec Projected
SWE 1997
Prec 1997
As of Monday, February 11, 2008:
SWE Percent of Average: 123
SWE Percent of Seasonal Peak: 91
Percent Needed to Reach Seasonal SWE Peak: 35
Inches - Snow Water Equivalent & Precipitation
0
10
20
30
40
50
60
70
80
90
1-Oct
1-Nov
1-Dec
1-Jan
1-Feb
1-Mar
1-Apr
1-May
1-Jun
1-Jul
1-Aug
1-Sep

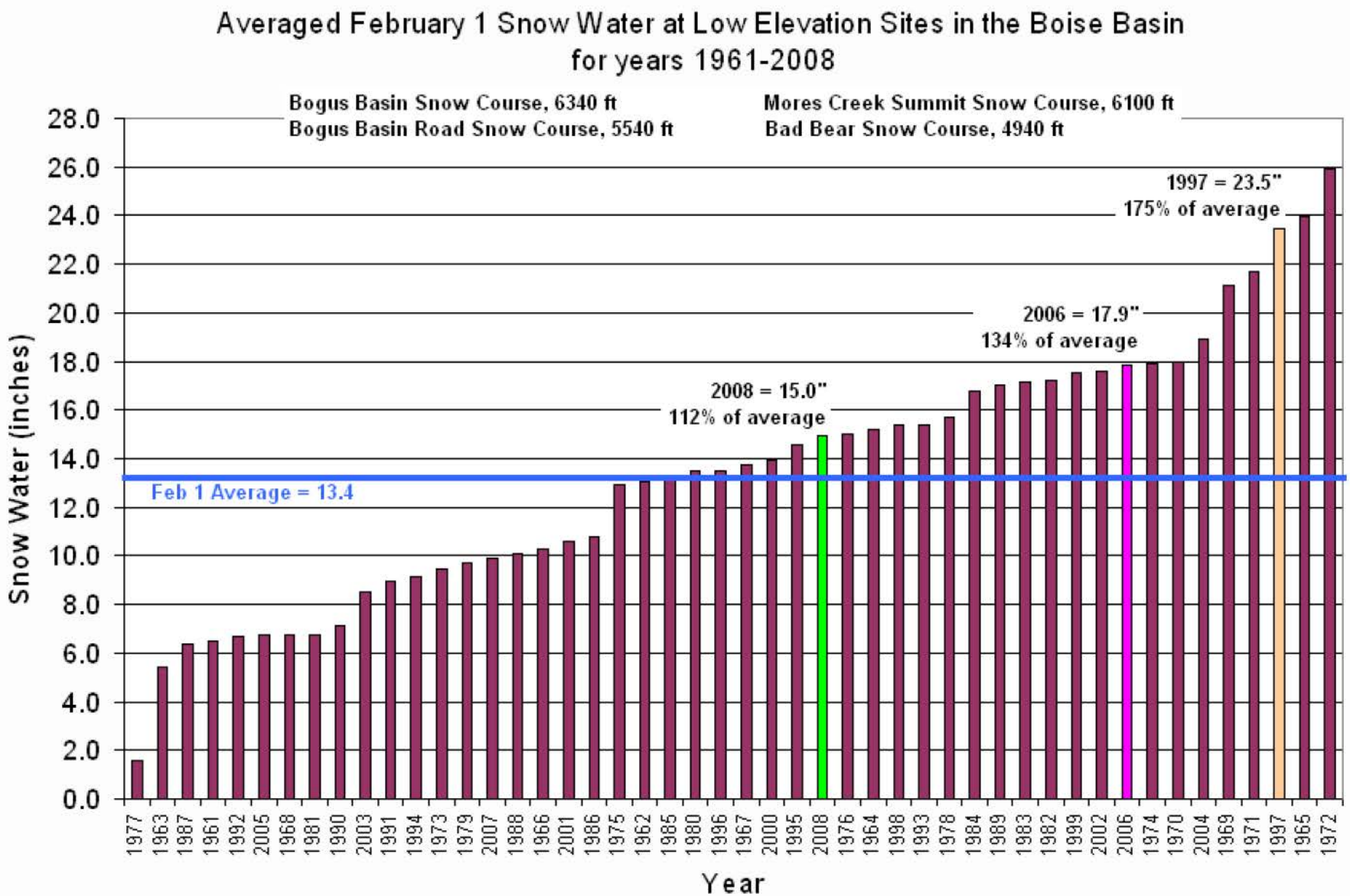

Clearwater Basin 2008 Snowpack Graph (3 Low Elevation Sites)
SWE Average
Prec Average
SWE Current
Prec Current
SWE Projected
Prec Projected
SWE 1997
Prec 1997
As of Monday, February 11, 2008:
SWE Percent of Average: 135
SWE Percent of Seasonal Peak: 109
Percent Needed to Reach Seasonal SWE Peak: -44
Inches - Snow Water Equivalent & Precipitation
0
10
20
30
40
50
60
70
80
1-Oct
1-Nov
1-Dec
1-Jan
1-Feb
1-Mar
1-Apr
1-May
1-Jun
1-Jul
1-Aug
1-Sep

Weiser – Payette – Boise

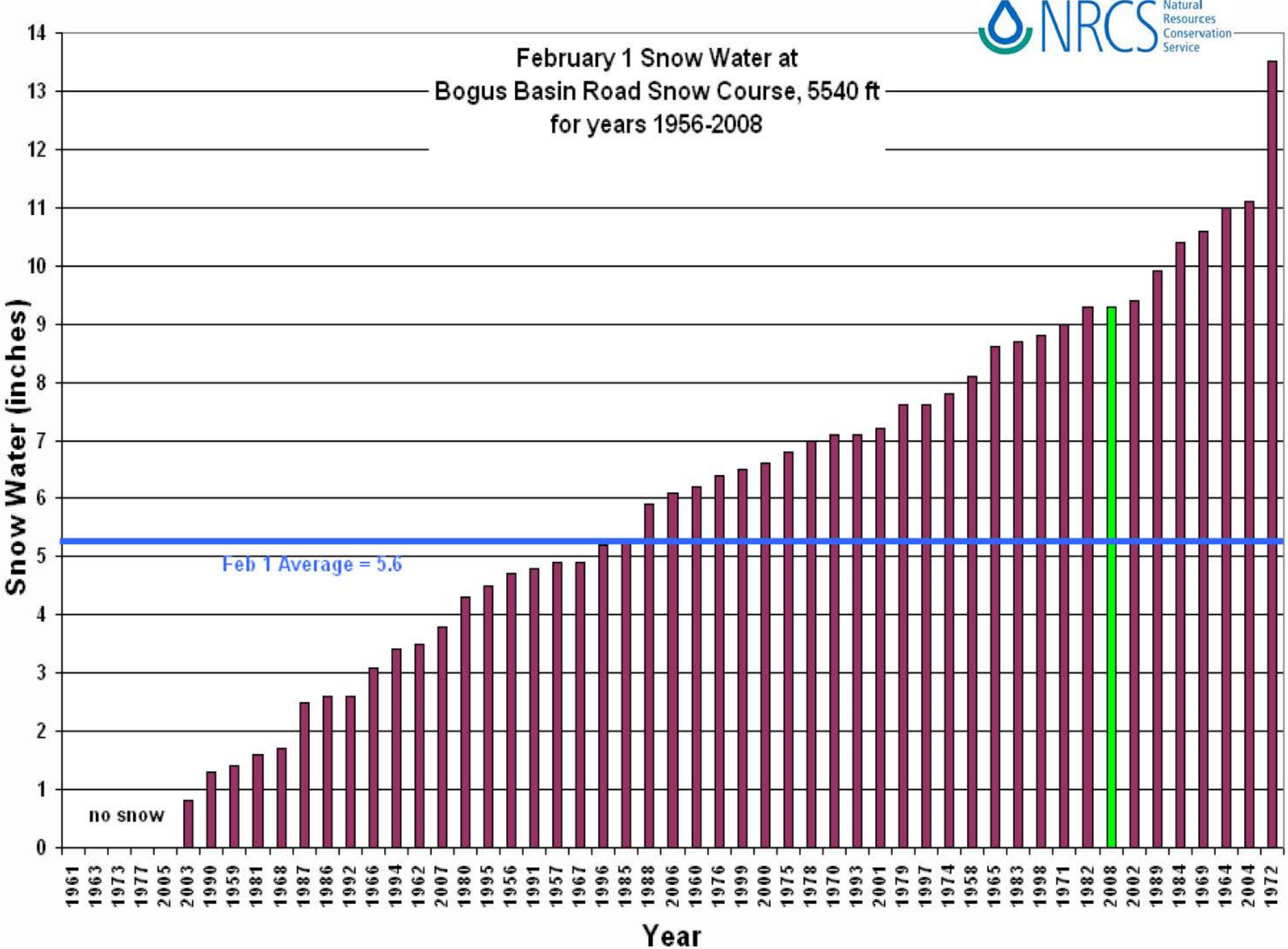




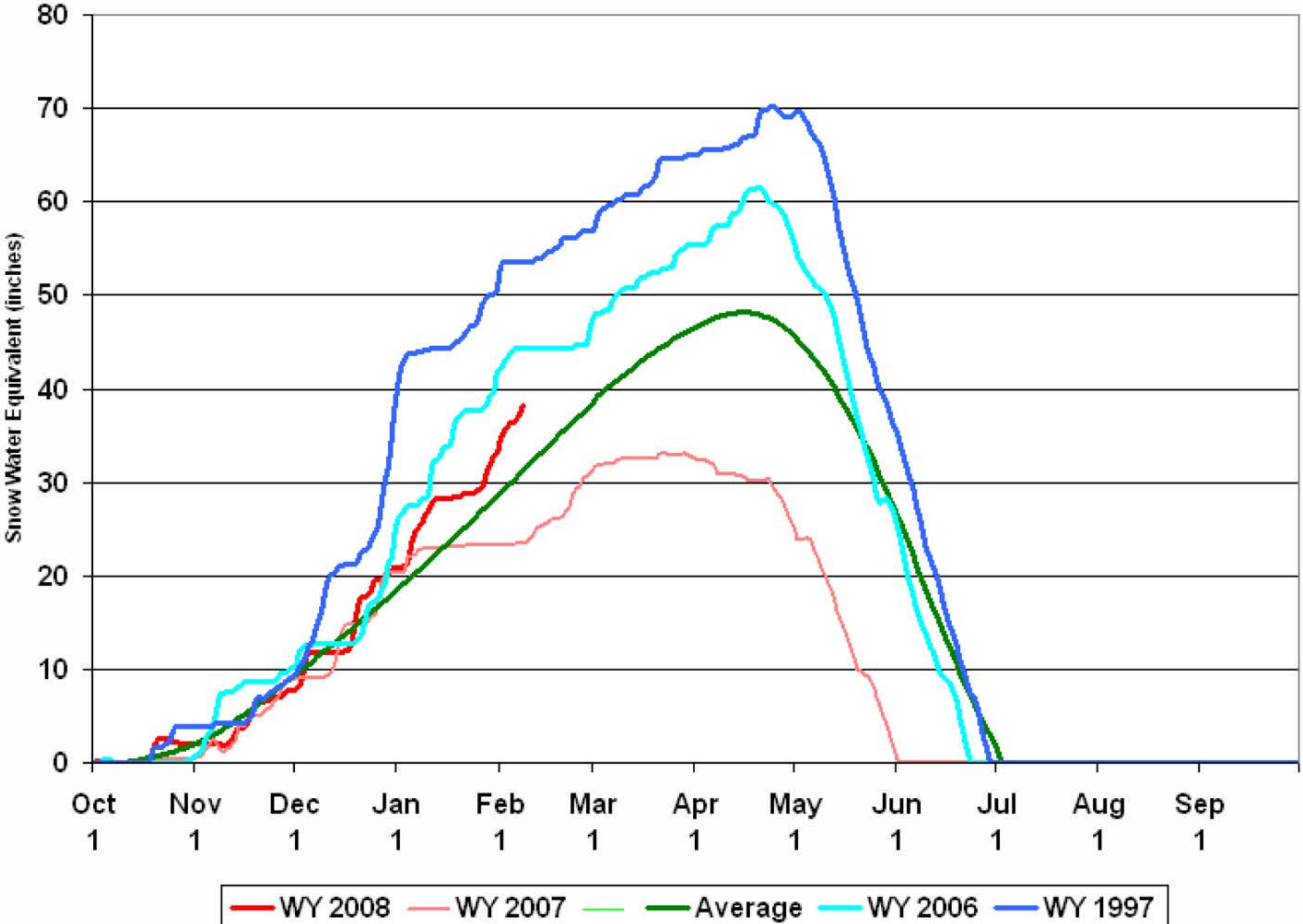
NRCS Natural Resources Conservation Service

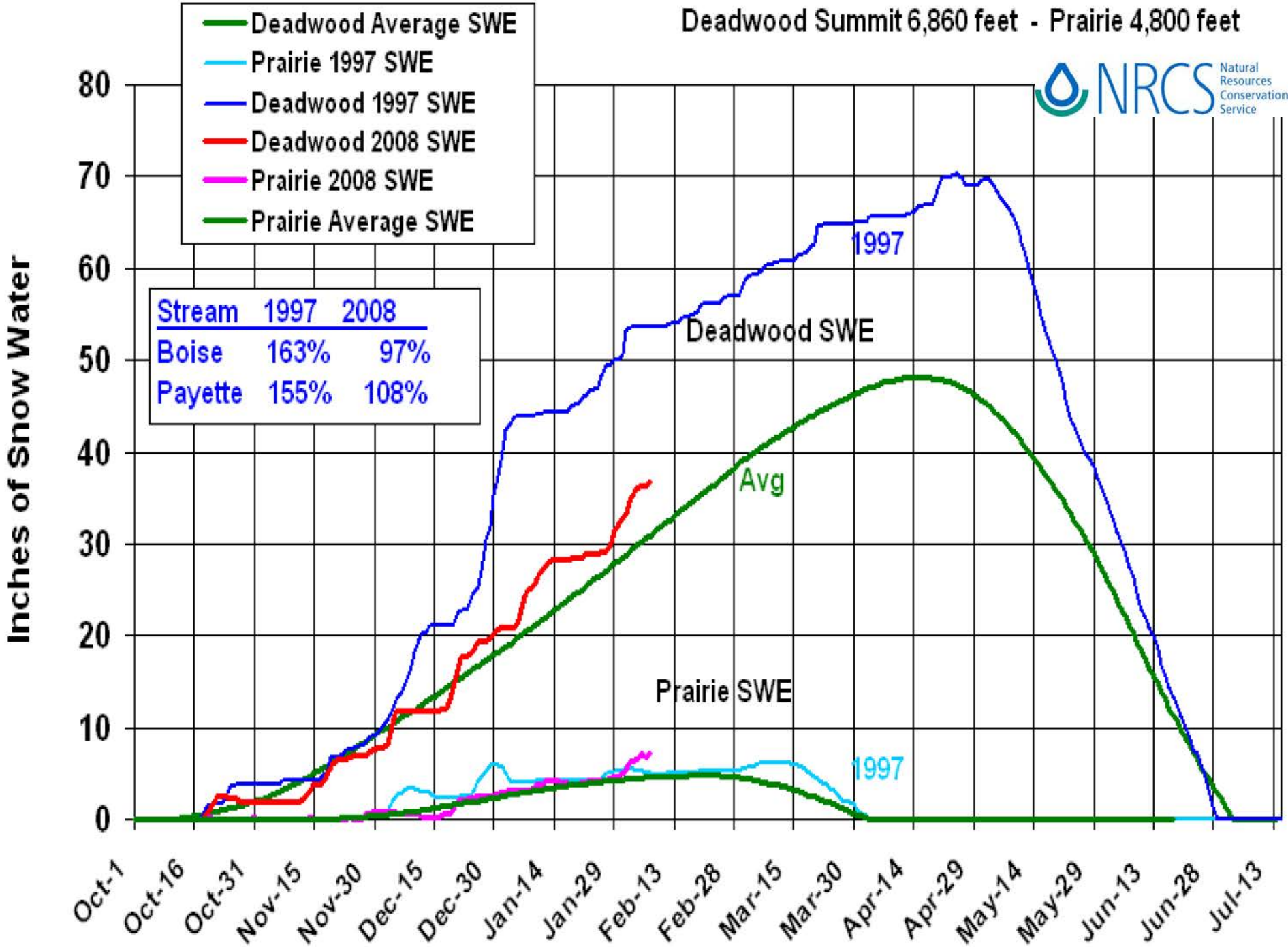


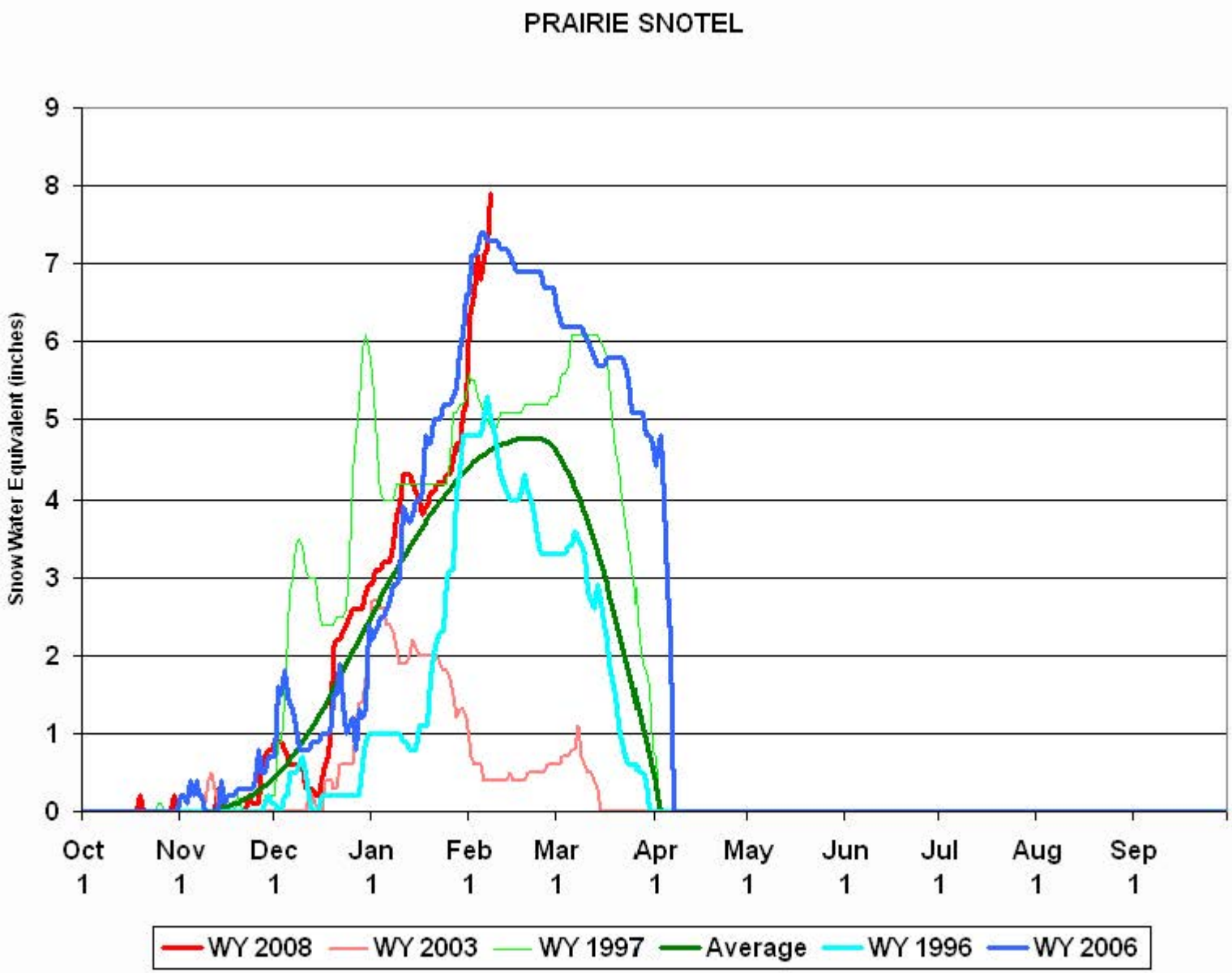
NRCS Natural Resources Conservation Service

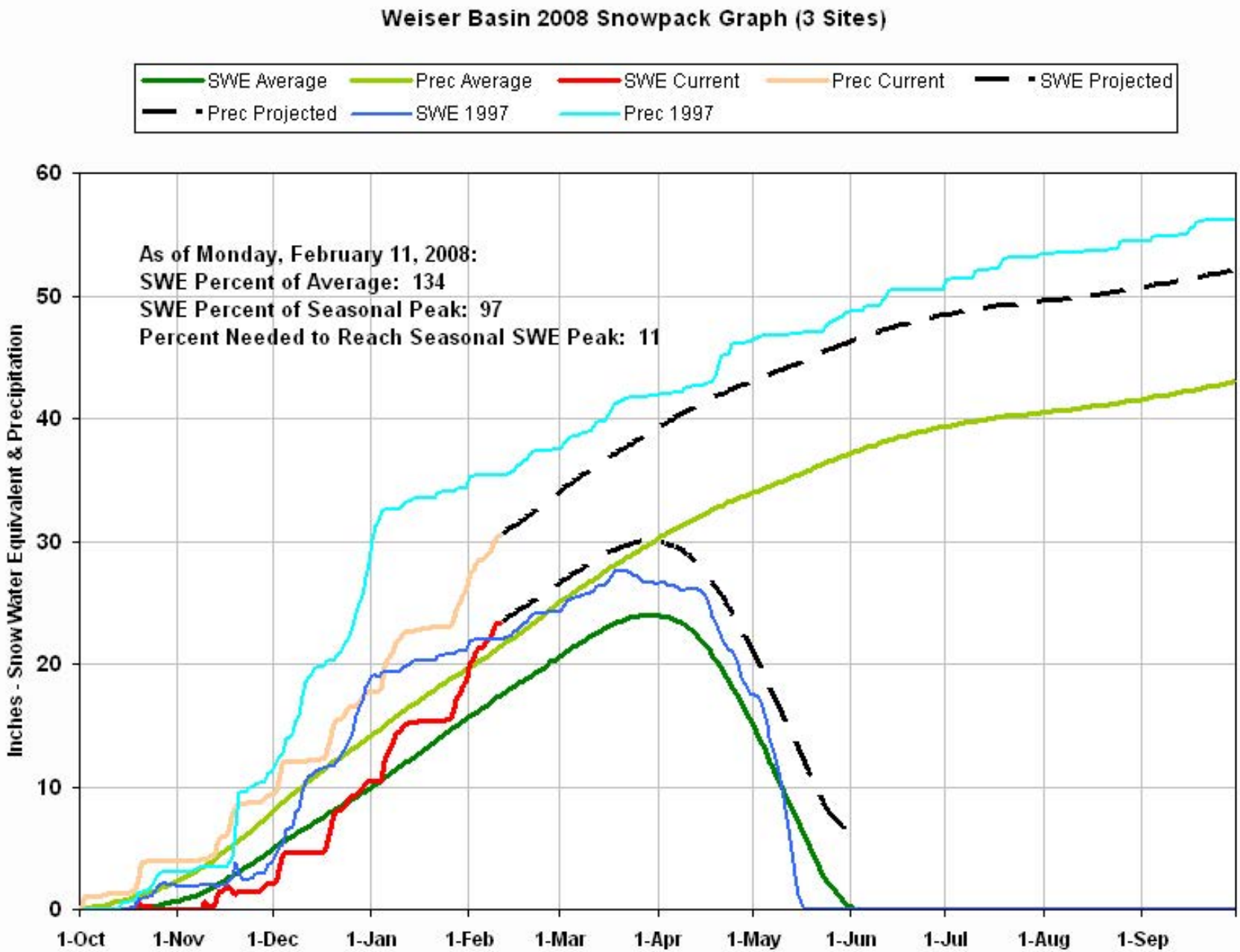

NRCS
Natural Resources Conservation Service
February 1 Snow Water at
Bogus Basin Road Snow Course, 5540 ft
for years 1956-2008
Snow Water (inches)
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
Feb 1 Average = 5.6
no snow
1961 1963 1973 1977 2005 2003 1990 1959 1981 1968 1987 1986 1992 1966 1994 1962 2007 1980 1995 1956 1991 1957 1967 1996 1985 1988 2006 1960 1976 1999 2000 1975 1978 1970 1993 2001 1979 1997 1974 1958 1965 1983 1998 1971 1982 2008 2002 1989 1984 1969 1964 2004 1972
Year

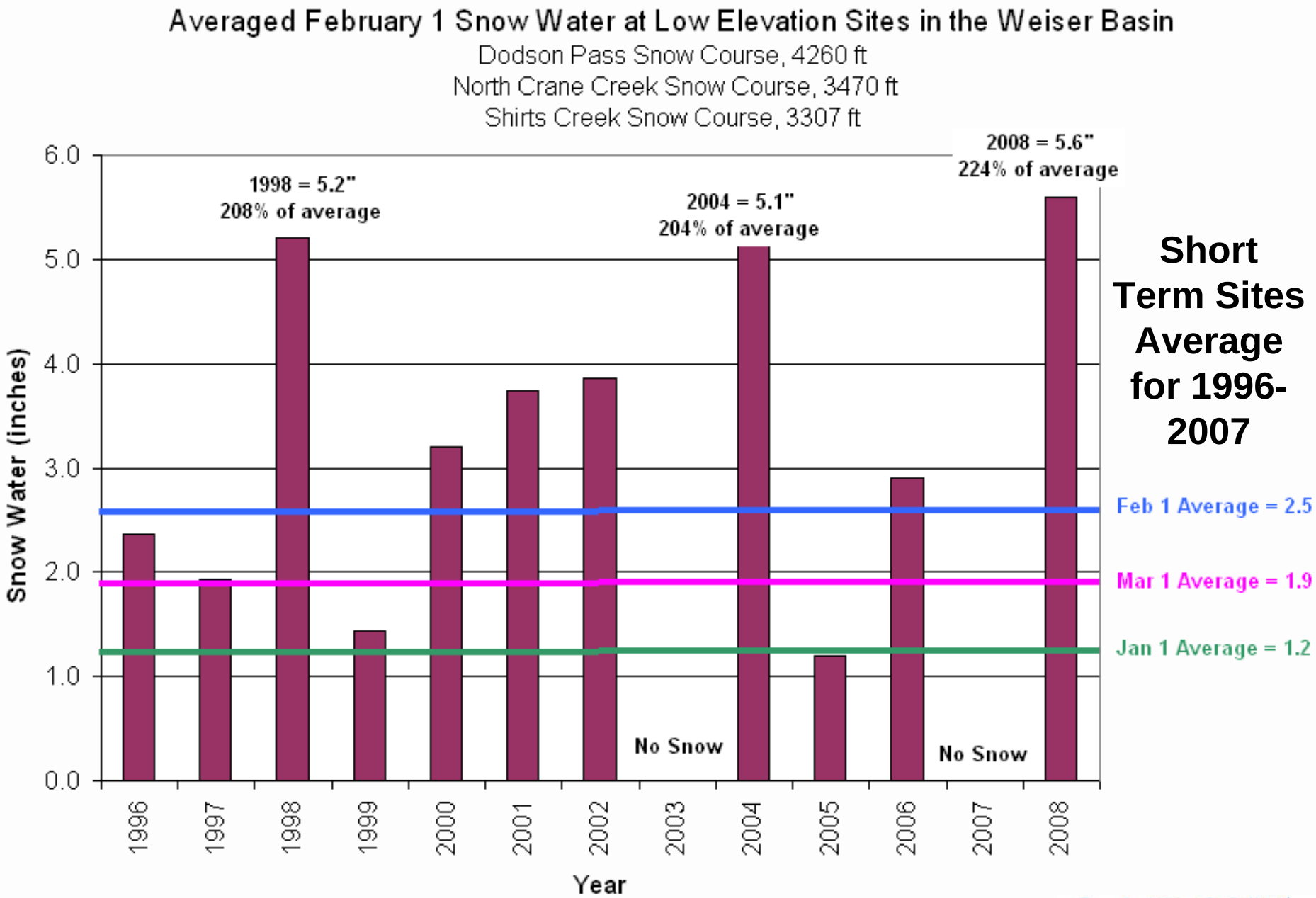
DEADWOOD SUMMIT SNOTEL



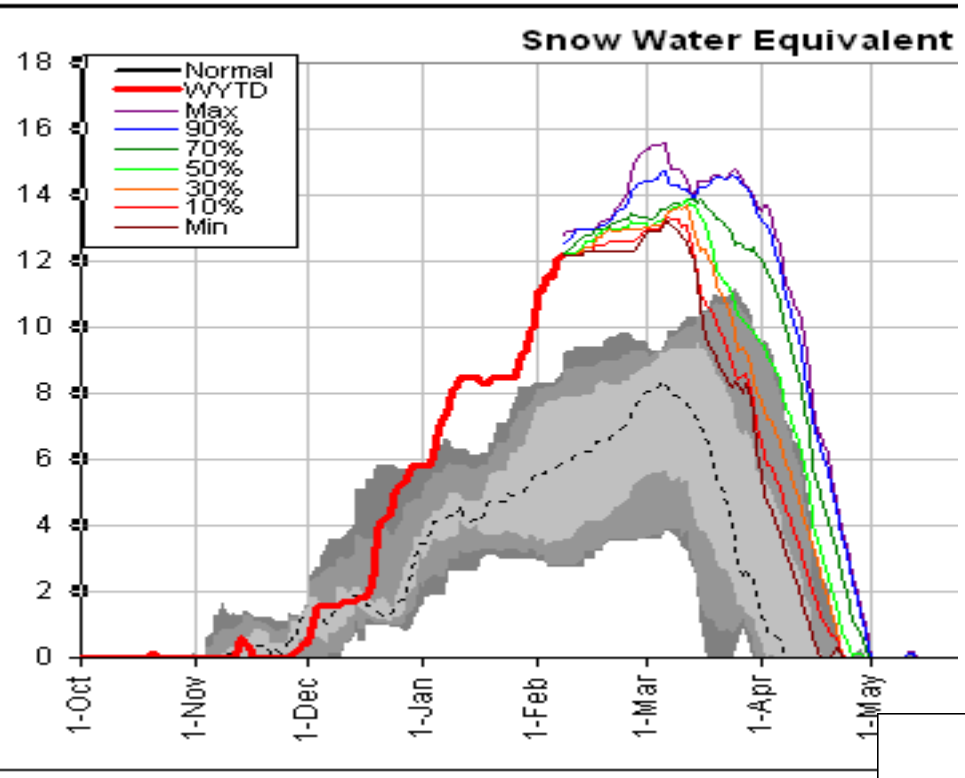

Deadwood Summit 6,860 feet - Prairie 4,800 feet
NRCS Natural Resources Conservation Service
Deadwood Average SWE
Prairie 1997 SWE
Deadwood 1997 SWE
Deadwood 2008 SWE
Prairie 2008 SWE
Prairie Average SWE
Stream 1997 2008
Boise 163% 97%
Payette 155% 108%
Inches of Snow Water
80
70
60
50
40
30
20
10
0
1997
Deadwood SWE
Avg
Prairie SWE
1997
Oct-1
Oct-16
Oct-31
Nov-15
Nov-30
Dec-15
Dec-30
Jan-14
Jan-29
Feb-13
Feb-28
Mar-15
Mar-30
Apr-14
Apr-29
May-14
May-29
Jun-13
Jun-28
Jul-13


PRAIRIE SNOTEL
Snow Water Equivalent (inches)
0
1
2
3
4
5
6
7
8
9
Oct 1
Nov 1
Dec 1
Jan 1
Feb 1
Mar 1
Apr 1
May 1
Jun 1
Jul 1
Aug 1
Sep 1
WY 2008
WY 2003
WY 1997
Average
WY 1996
WY 2006

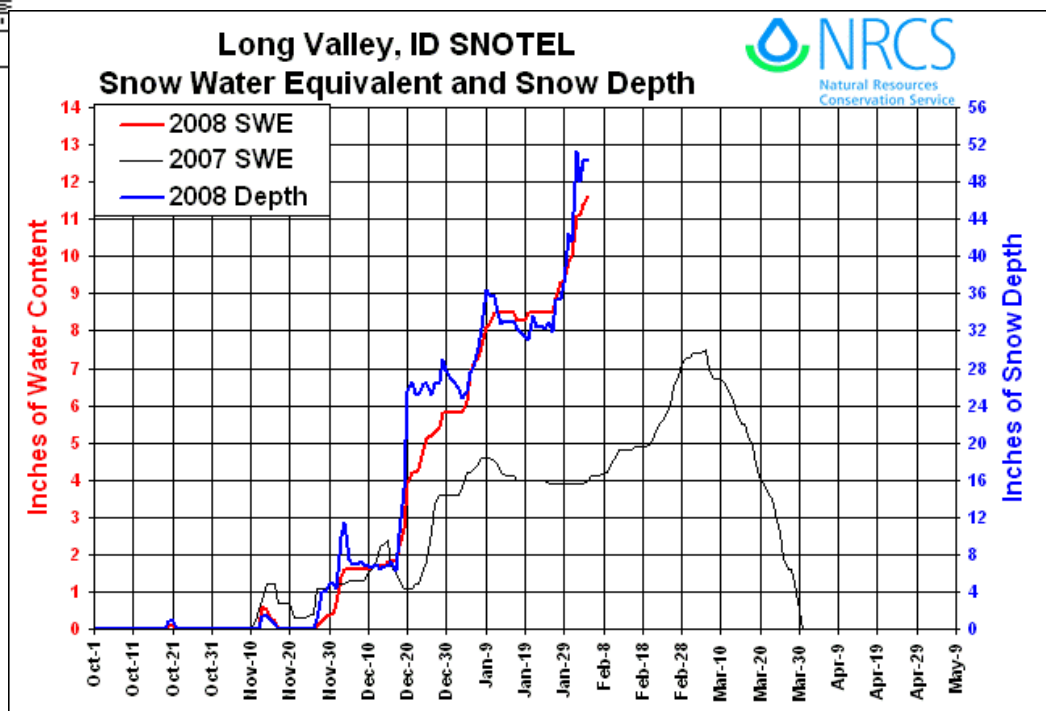

Weiser Basin 2008 Snowpack Graph (3 Sites)
SWE Average
Prec Average
SWE Current
Prec Current
SWE Projected
Prec Projected
SWE 1997
Prec 1997
As of Monday, February 11, 2008:
SWE Percent of Average: 134
SWE Percent of Seasonal Peak: 97
Percent Needed to Reach Seasonal SWE Peak: 11
Inches - Snow Water Equivalent & Precipitation
0
10
20
30
40
50
60
1-Oct
1-Nov
1-Dec
1-Jan
1-Feb
1-Mar
1-Apr
1-May
1-Jun
1-Jul
1-Aug
1-Sep



NRCS Natural Resources Conservation Service



Long Valley installed 2001



Summary

Future precipitation and temperatures will determine how the low, mid and high elevation snowpack melts.

With rain on snow event – potential is there to melt snow rapidly producing streamflow, impacts from ice.

February is when low snow can/should start melting.

High snow is NOT present like other big snow years. The high elevation snow sustains streamflows for longer period when it melts in spring, thus extended high flows.

Low elevation snow melt with rain event produces sharp increases in streamflow and usually decreases fairly faster after the event or return of cold weather.

IDAHO RESERVOIR STORAGE

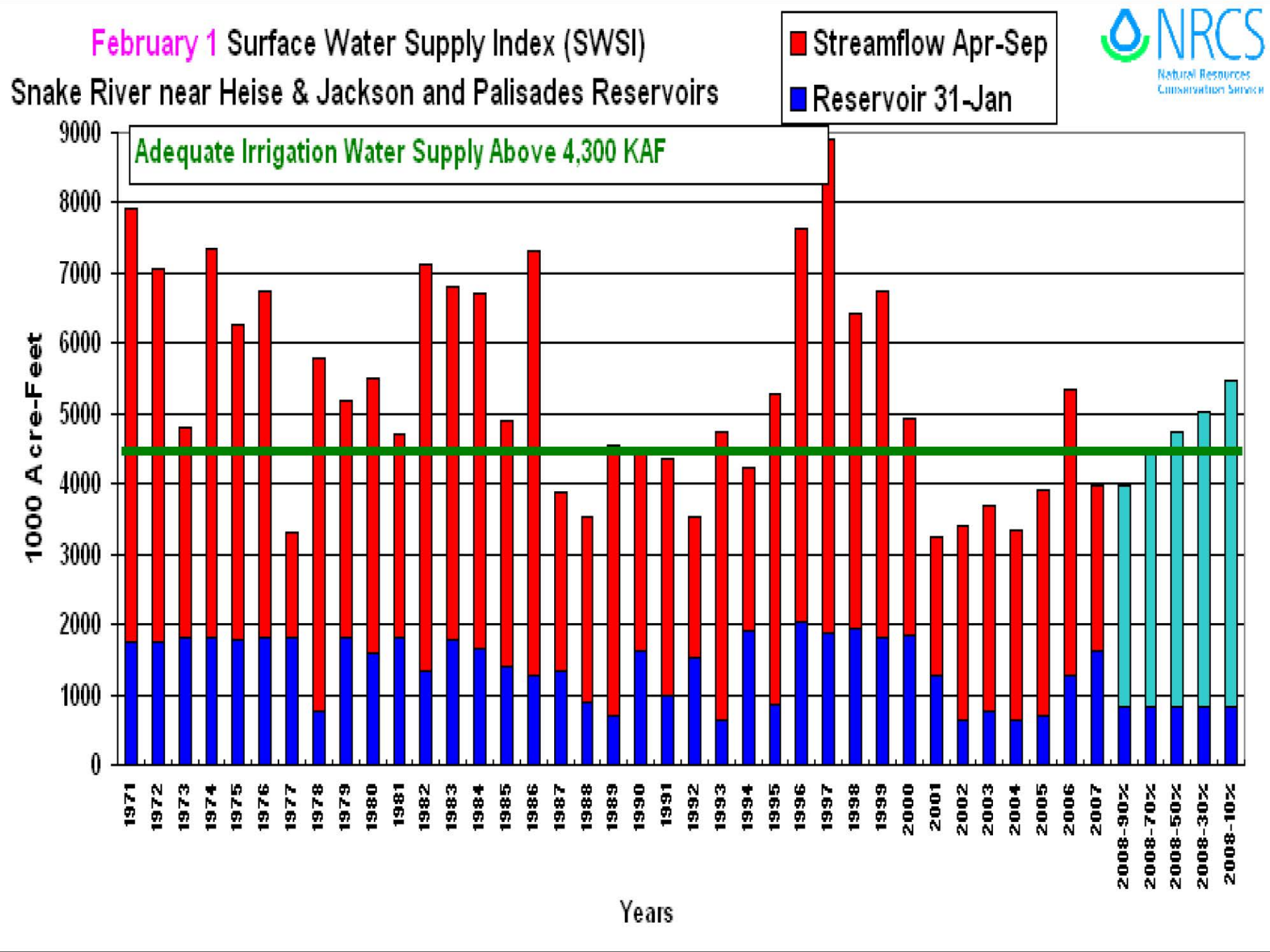
Usable Contents

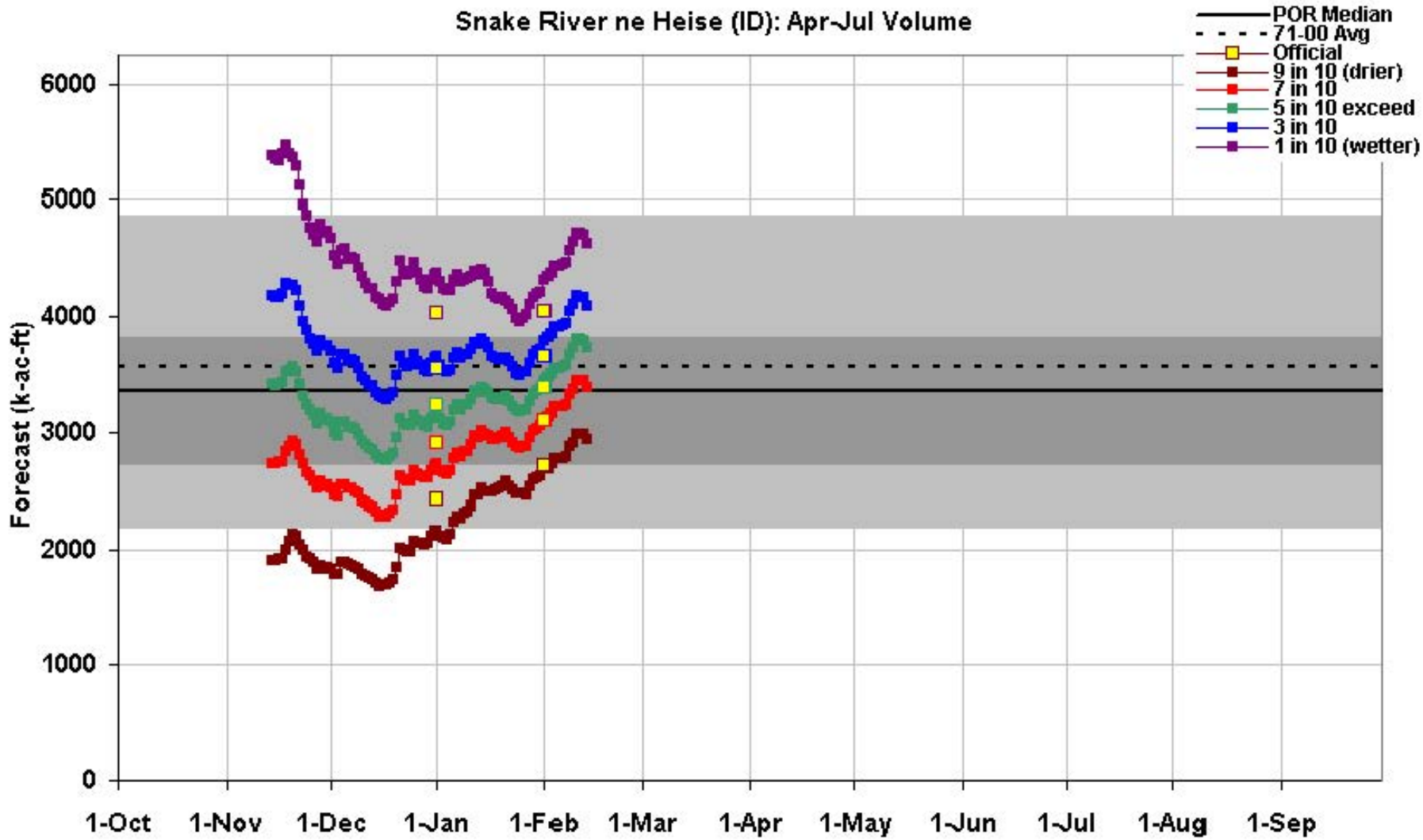
Reservoir or Basin	Percent of Capacity January 31, 2008	Percent of Average January 31, 2008	Percent of Average January 31, 2007
Magic	11	24	135
Blackfoot	24	38	77
Bear Lake	25	39	59
Owyhee	27	44	107
Jackson & Palisades (2)	37	54	106
Salmon Falls	16	52	132
Coeur d'Alene	16	33	90
Little Wood	40	73	151
American Falls	54	81	107
Boise (3)	44	76	107
Mackay	49	78	98
Henrys Fork (3)	73	89	105
Oakley	33	87	141
Payette (2)	63	101	111
Dworshak	65	104	110

IDAHO SURFACE WATER SUPPLY INDEX

January 31, 2008

BASIN or REGION	SWSI Value	Recent Year With Similar SWSI Value	Agricultural Water Supply Shortage May Occur When SWSI is Less Than
BEAR RIVER	-3.0	1993	-3.2
SALMON FALLS	-1.4	2005	-1.6
SNAKE (HEISE)	-0.8	1993	-1.6
BRUNEAU	-0.8	2004	NA
OAKLEY	-0.3	2007	-1.0
PANHANDLE	-0.3	1993	NA
BIG WOOD	-0.1	2000	-0.2
LITTLE LOST	0.1	2006	0.4
HENRYS FORK	0.2	2006	-3.3
BOISE	0.3	2000	-1.6
PAYETTE	0.3	2003	NA
LITTLE WOOD	0.8	2005	-2.2
BIG LOST	1.0	1996	-0.1
WEISER	1.0	1997	NA
SALMON	1.2	2006	NA
CLEARWATER	1.8	1999	NA


February 1 Surface Water Supply Index (SWSI)
Snake River near Heise & Jackson and Palisades Reservoirs
Streamflow Apr-Sep
Reservoir 31-Jan
NRCS
Natural Resources Conservation Service
Adequate Irrigation Water Supply Above 4,300 KAF
1000 Acre-Feet
0
1000
2000
3000
4000
5000
6000
7000
8000
9000
1971
1972
1973
1974
1975
1976
1977
1978
1979
1980
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
2008-90%
2008-70%
2008-50%
2008-30%
2008-10%
Years

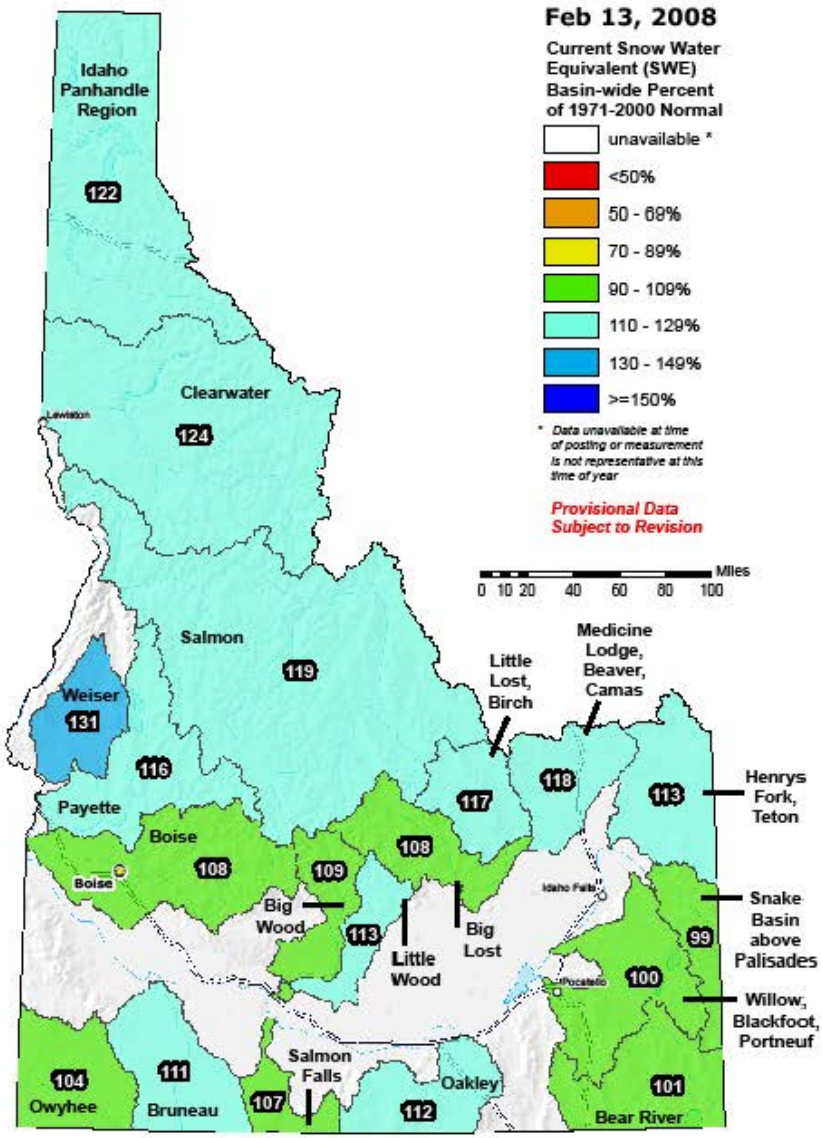


Created 7:06 Feb 13 2008

This is an automated product based solely on SNOTEL data, provisional data are subject to change. This product is a statistically based guidance forecast combining indices of snowpack and precipitation. **Yellow squares** are the official outlooks. **Gray background** is the historical period of record variability. This product does not consider climate information such as El Nino or short range weather forecasts, or a variety of other factors considered in the official forecasts. This product is not meant to replace or supercede the official forecasts produced in coordination with the National Weather Service.

Science Contact: Tom.Pagano@por.usda.gov 503 414 3010 www.wcc.nrcs.usda.gov/wsf/daily_forecasts.html

Idaho SNOTEL Current Snow Water Equivalent (SWE) % of Normal



USDA NRCS

The snow water equivalent percent of normal represents the current snow water equivalent found at selected SNOTEL sites in or near the basin compared to the average value for those sites on this day. Data based on the first reading of the day (typically 00:00).

Prepared by the USDA/NRCS National Water and Climate Center
Portland, Oregon http://www.wcc.nrcs.usda.gov/gis/
Based on data from http://www.wcc.nrcs.usda.gov/reports/
Science contact: Tom.Pagano@por.usda.gov 503 414 3010

IDWR

Idaho Water Supply and Spring Flood Potential Briefing

February 13th, 2008

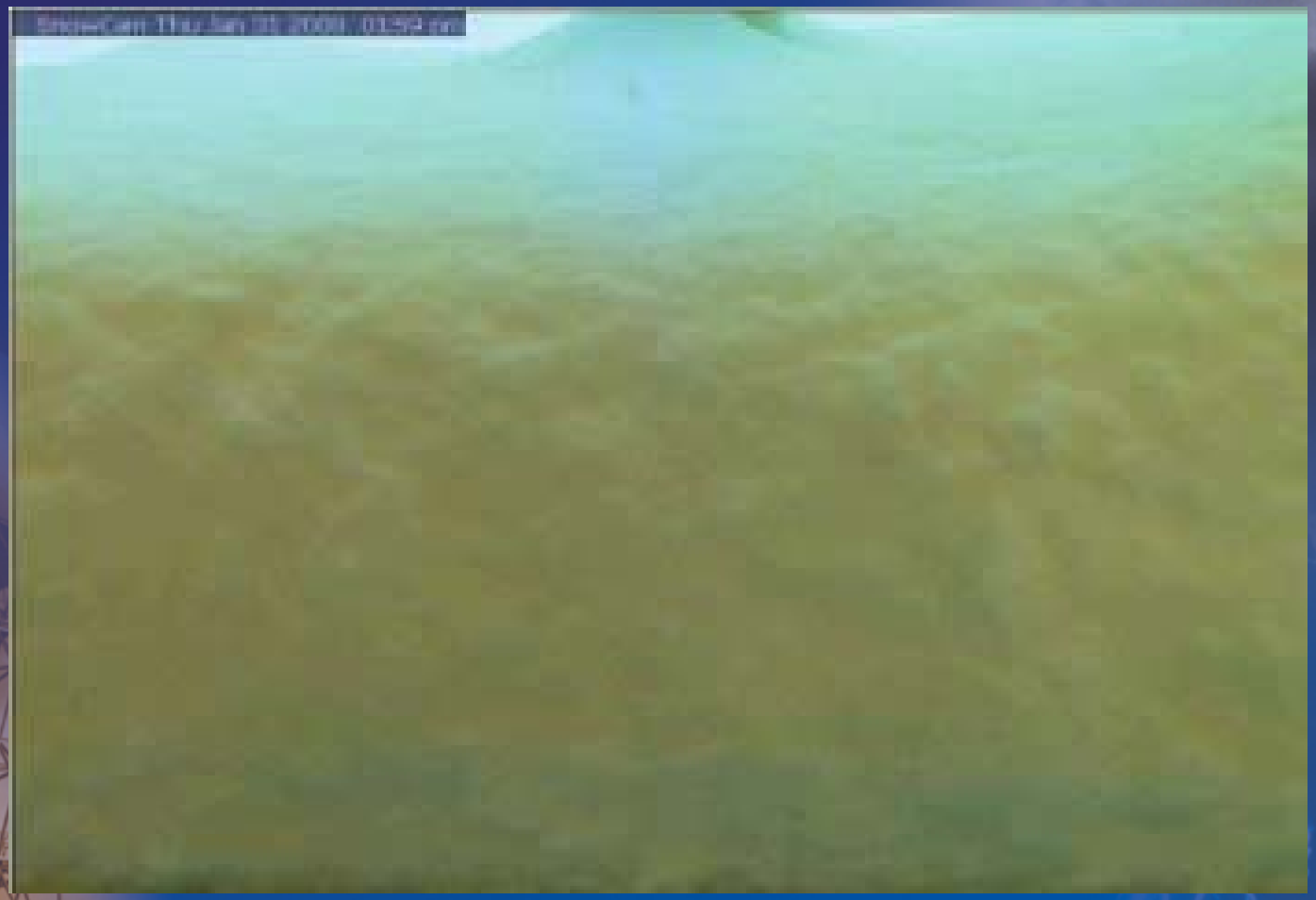
NOAA National Weather Service

Three Month Climate Outlook

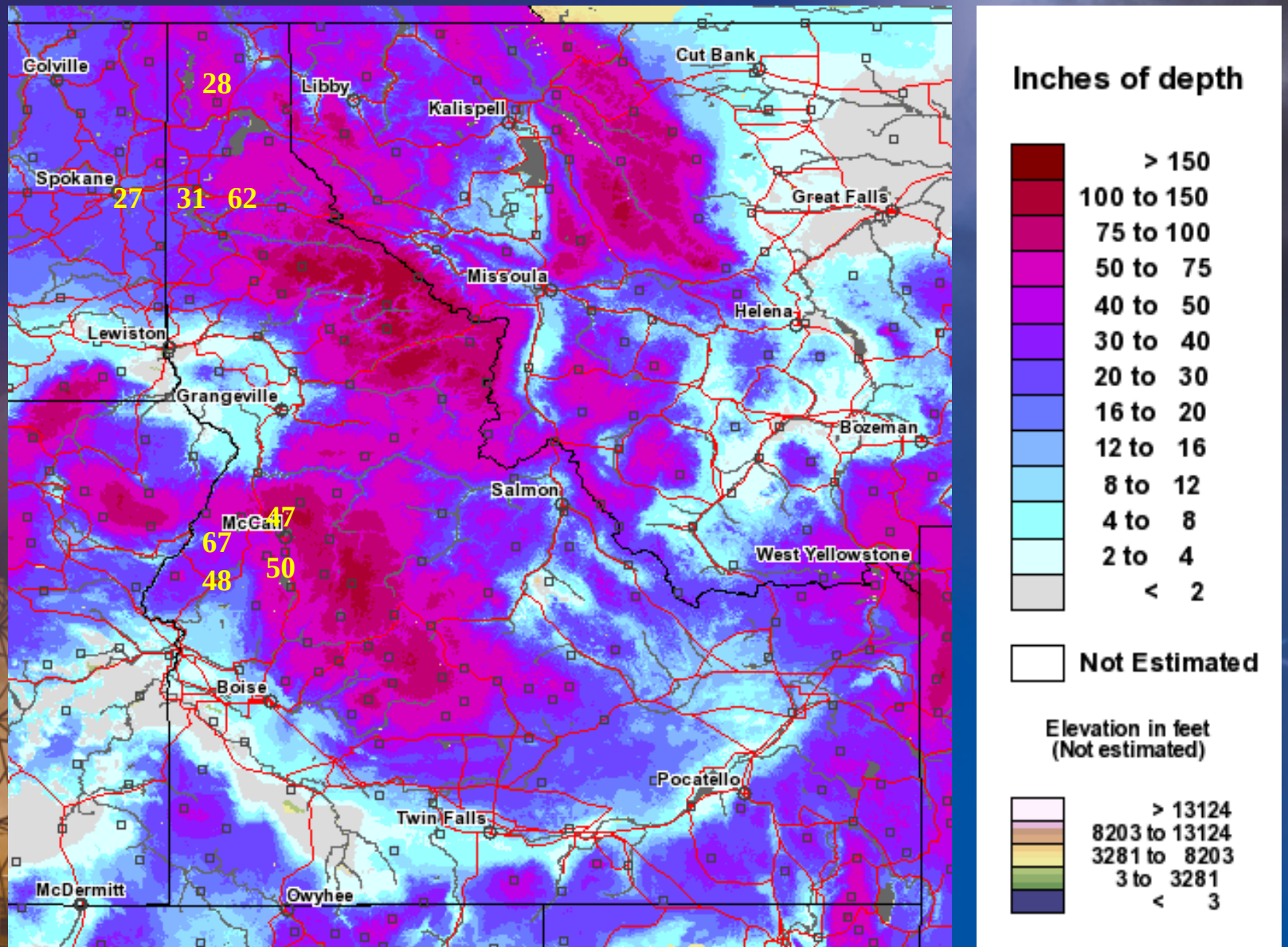
Forecast for next 10 days

Spring Flood Potential

Snow accumulation movies

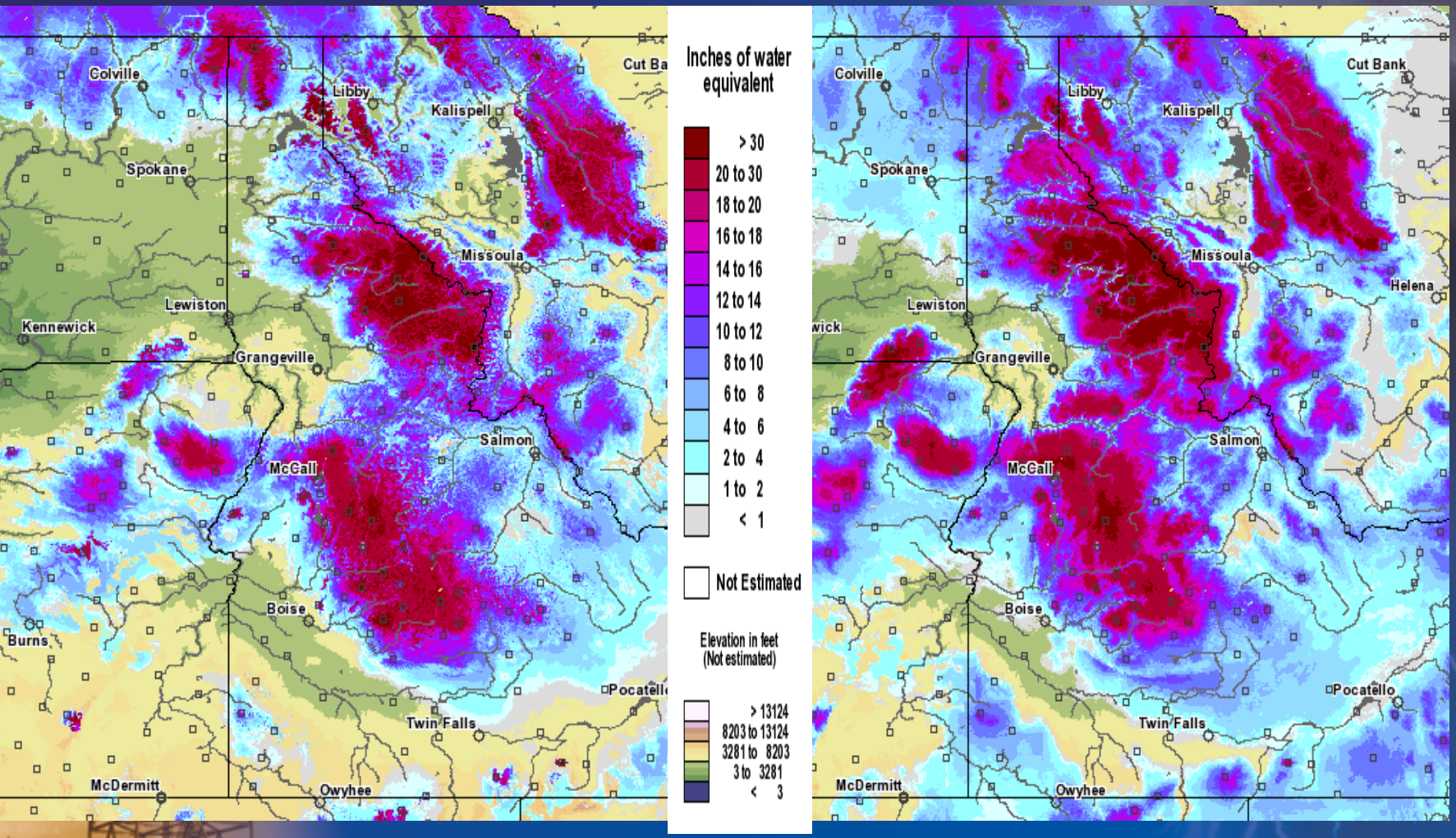


Idaho Snow Depth – Feb 8th



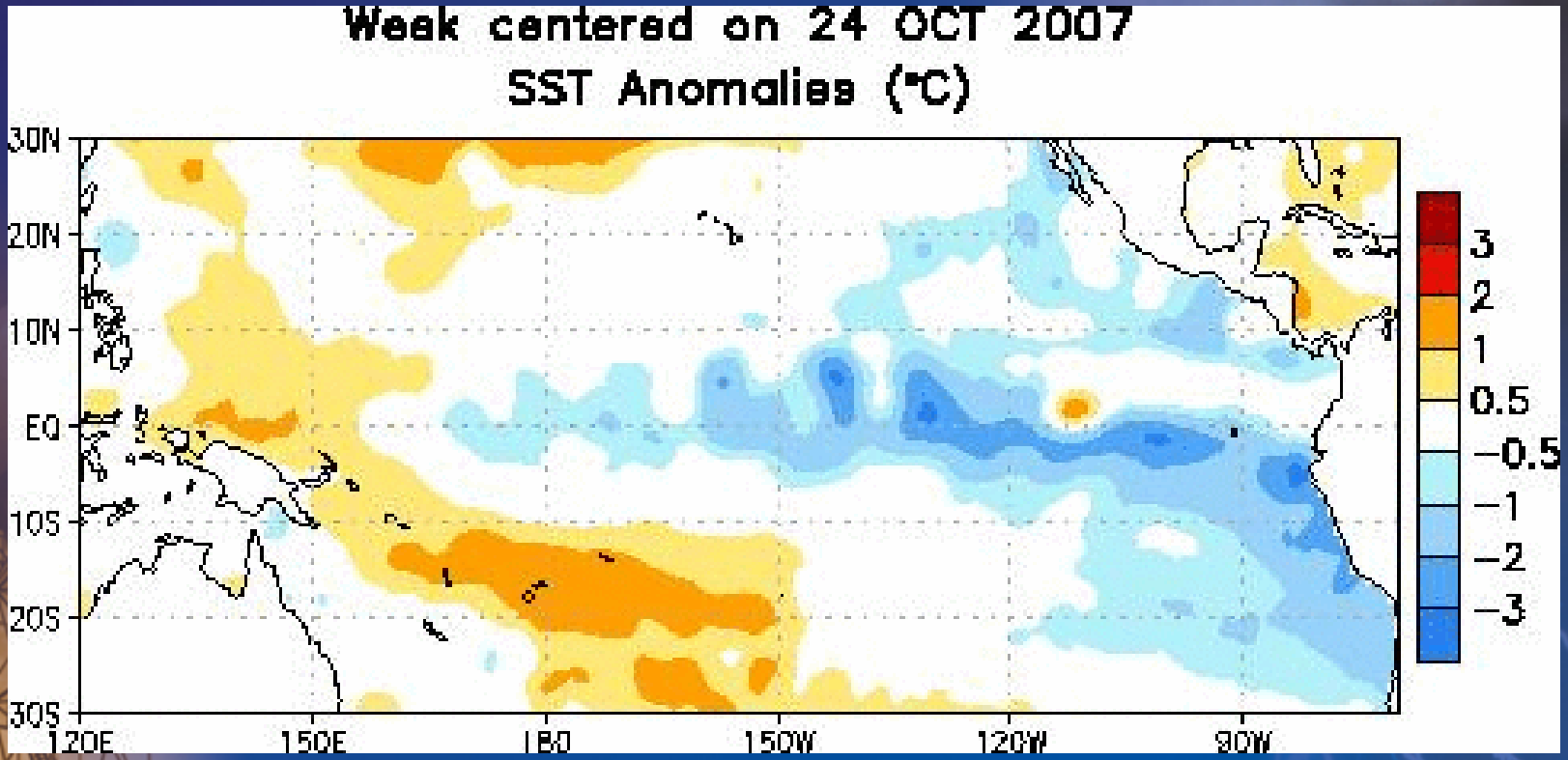
Idaho SWE Feb 12th

NOHRSC - SNODAS

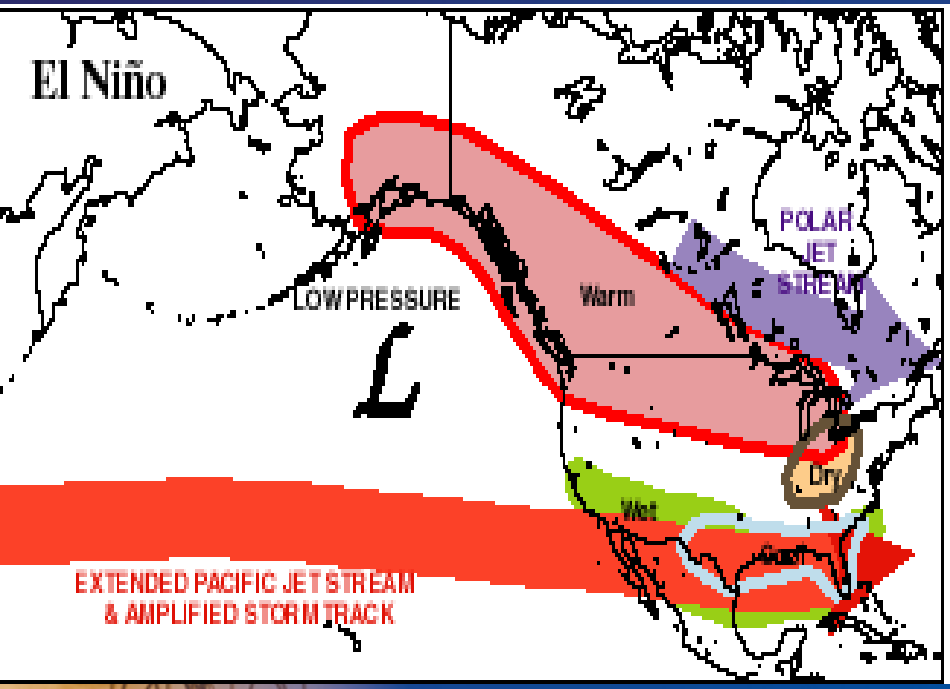


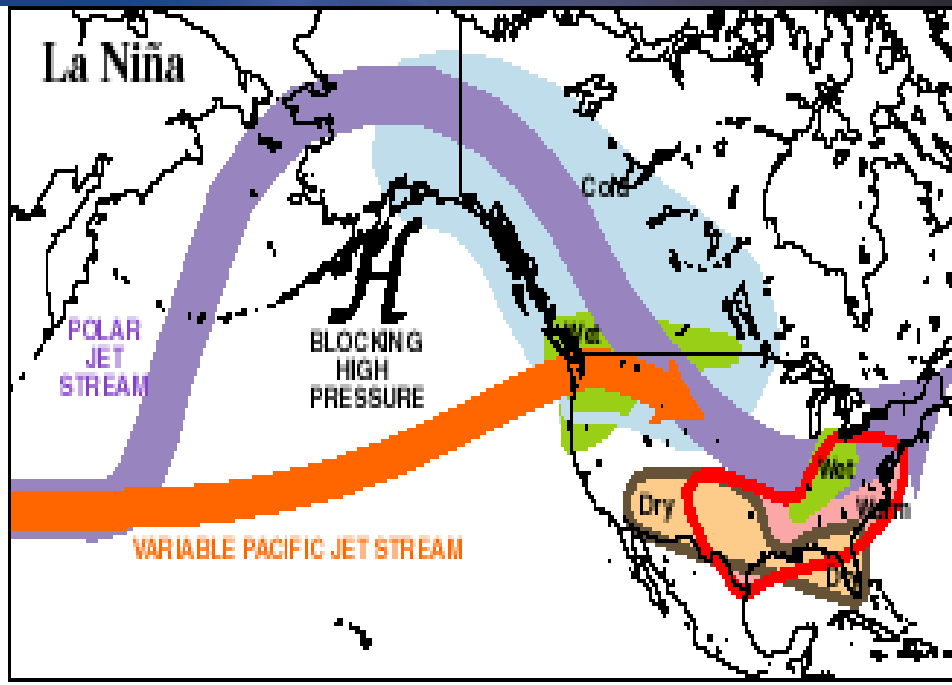
2006 2008

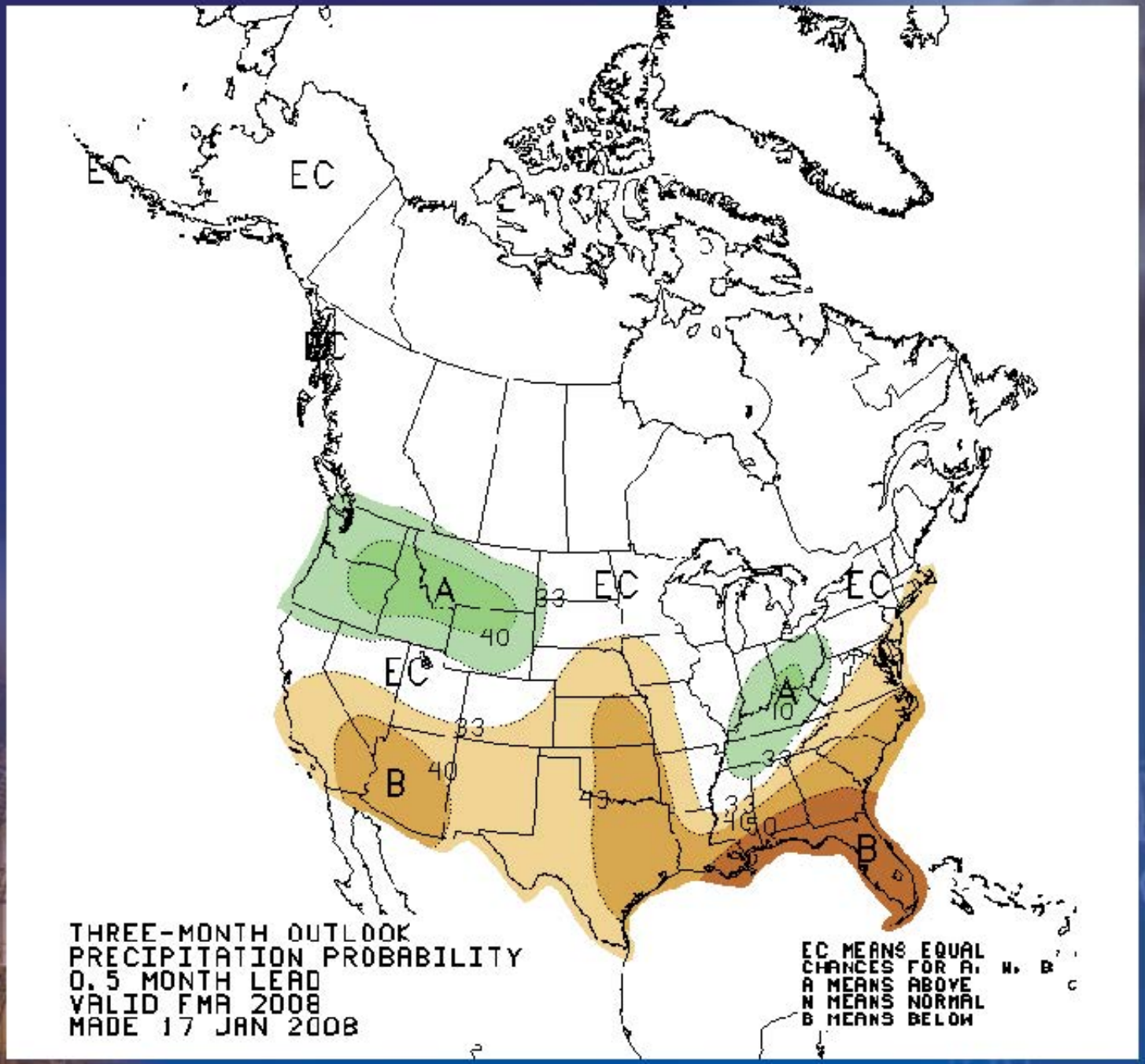
Equatorial Sea Surface Temperature Anomalies

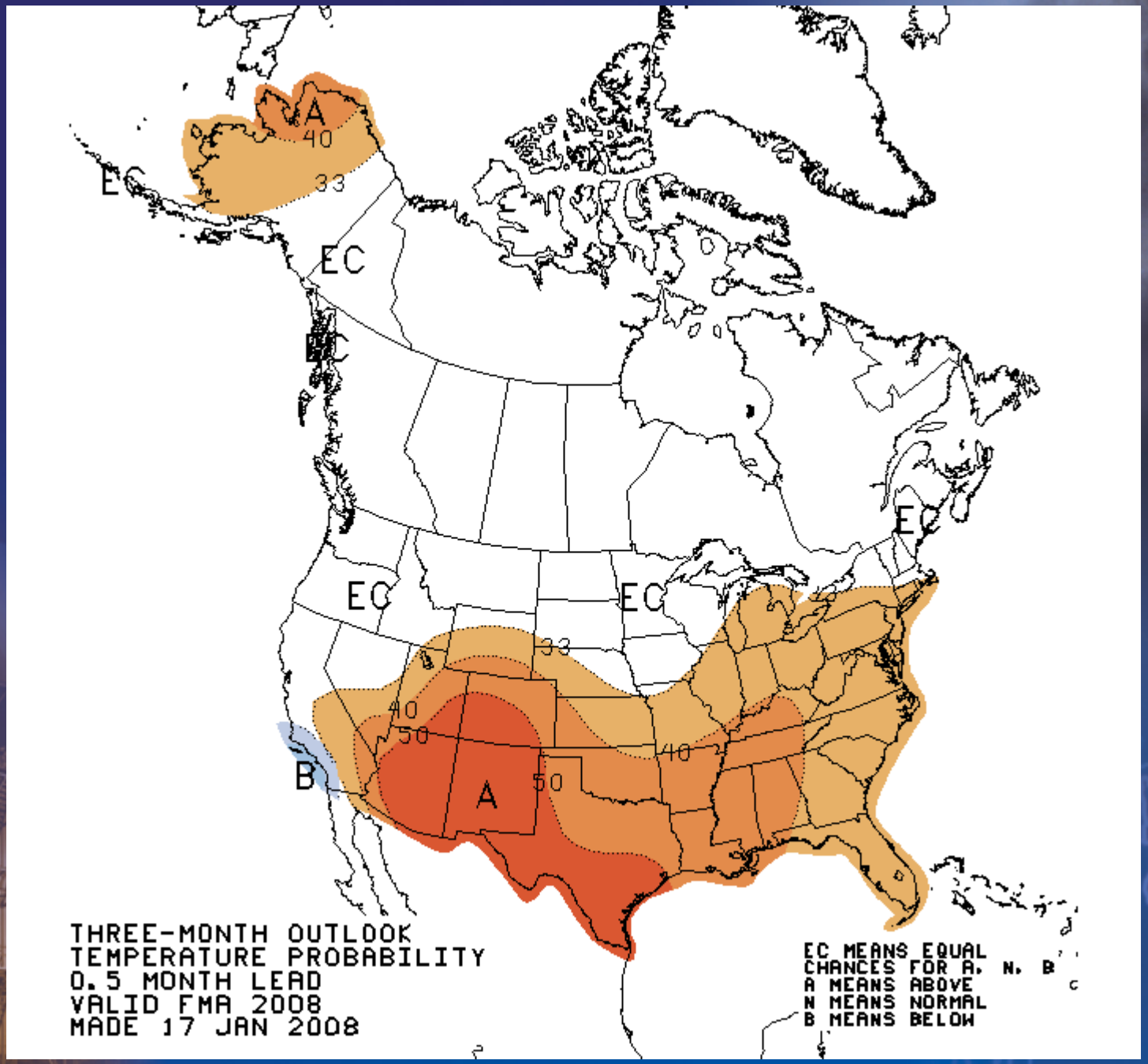


Typical North American Impacts of La Nina

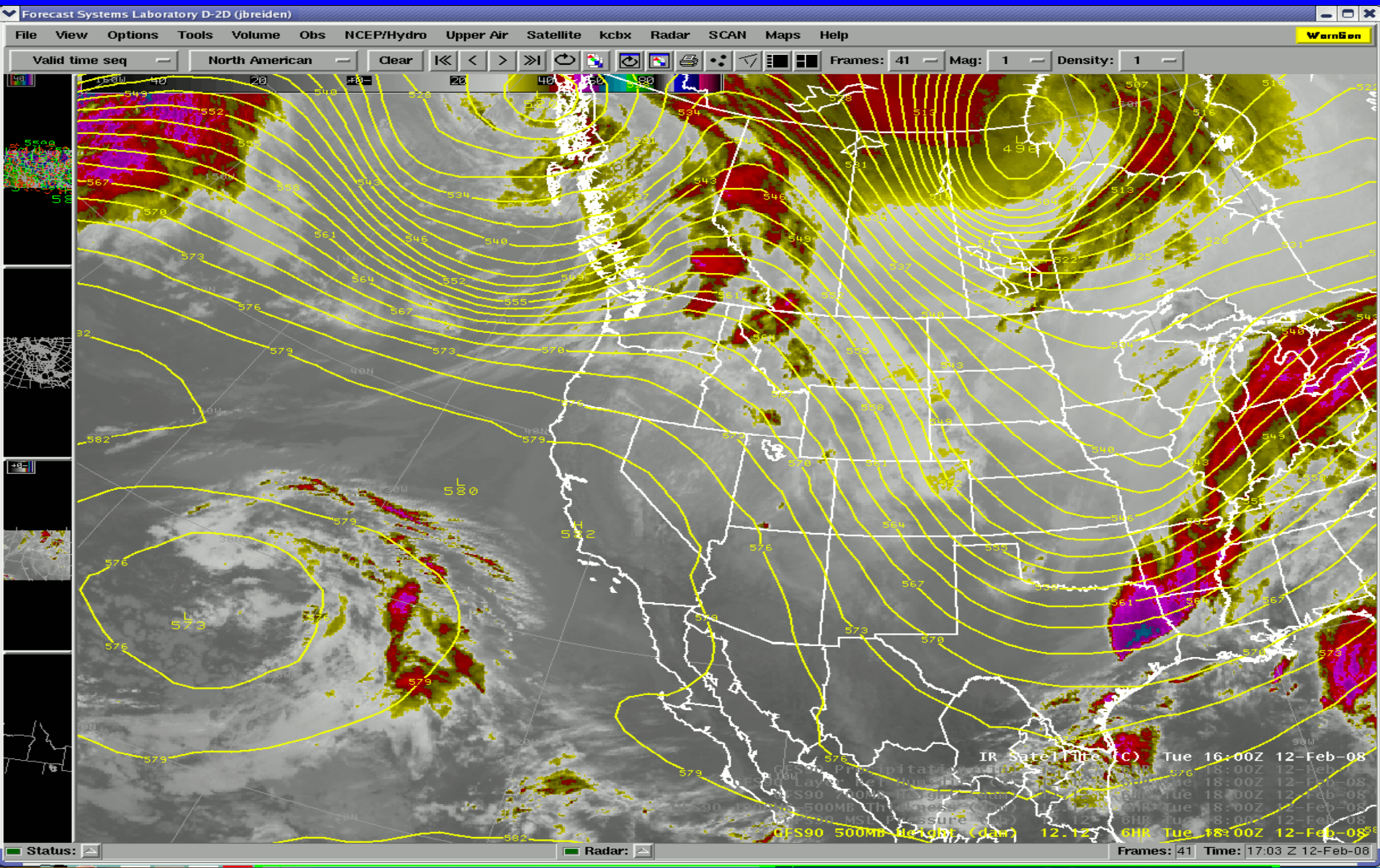




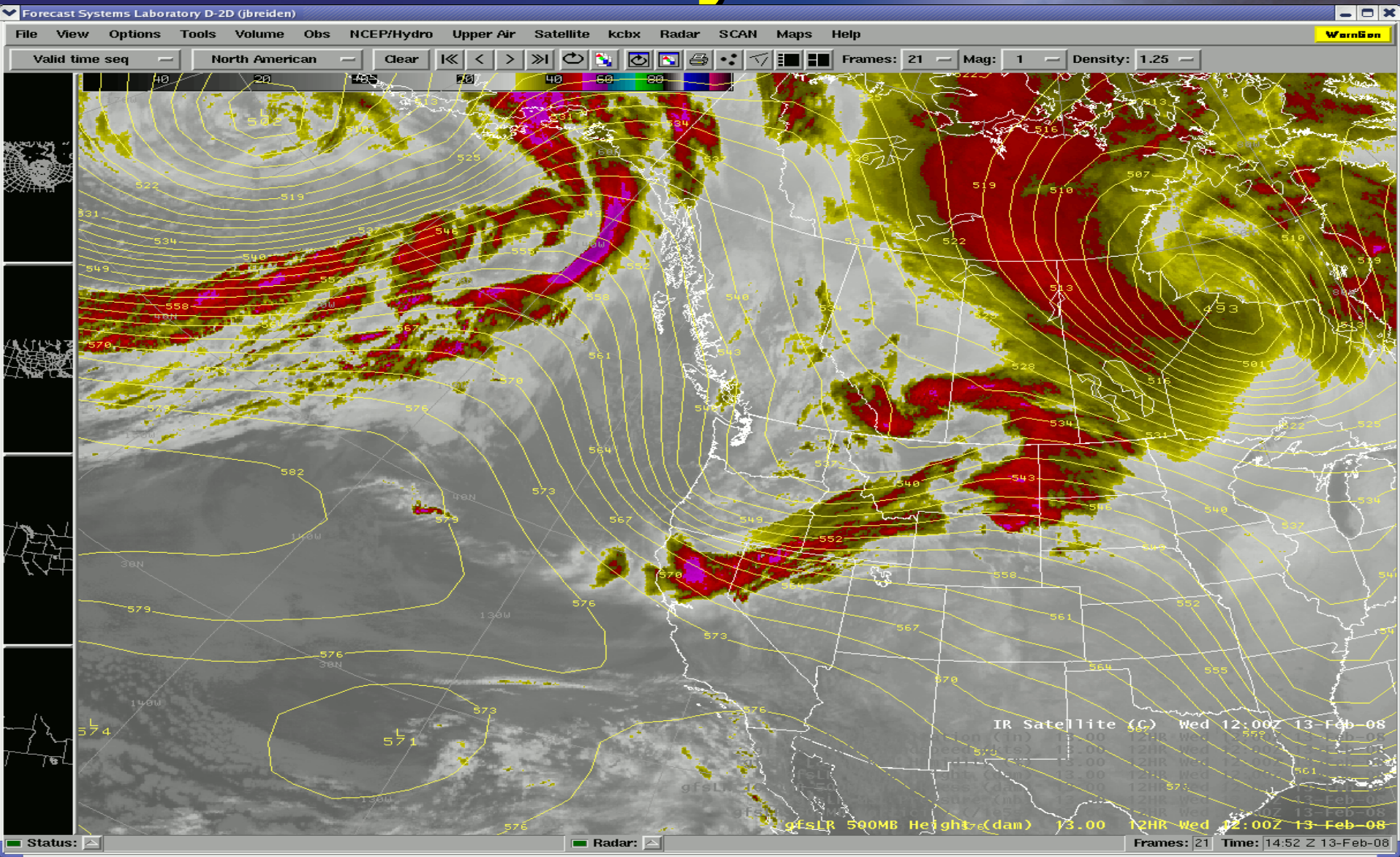

EC
EC
EC
EC
EC
EC
A
A
B
B
33
40
33
40
43
33
40
50
10
33
THREE-MONTH OUTLOOK
PRECIPITATION PROBABILITY
0.5 MONTH LEAD
VALID FMA 2008
MADE 17 JAN 2008
EC MEANS EQUAL
CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW


A
40
33
EC
EC
EC
EC
EC
EC
33
40
50
40
50
B
A
THREE-MONTH OUTLOOK
TEMPERATURE PROBABILITY
0.5 MONTH LEAD
VALID FMA 2008
MADE 17 JAN 2008
EC MEANS EQUAL
CHANCES FOR A, N, B
A MEANS ABOVE
N MEANS NORMAL
B MEANS BELOW

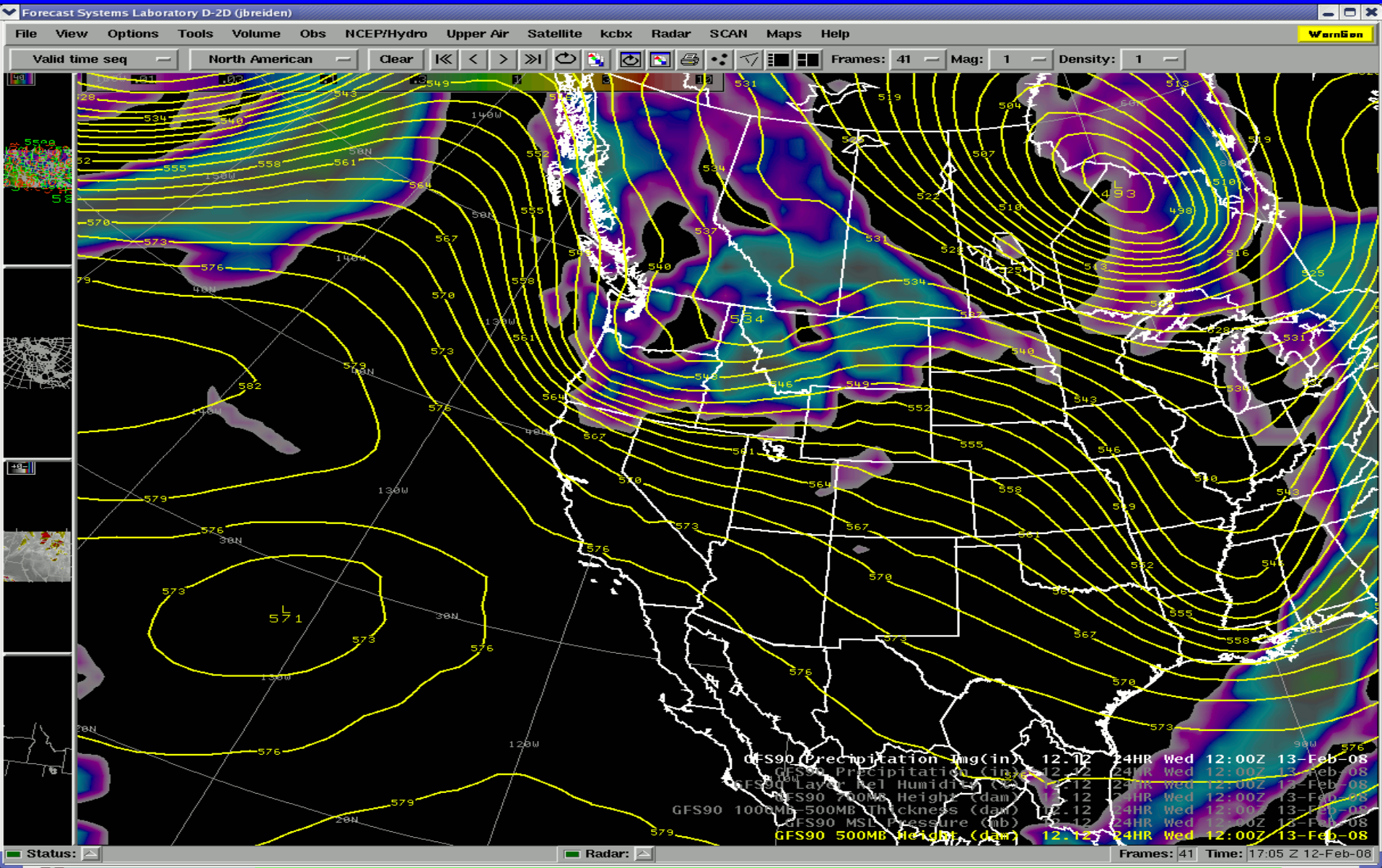
Tuesday - Feb 12th



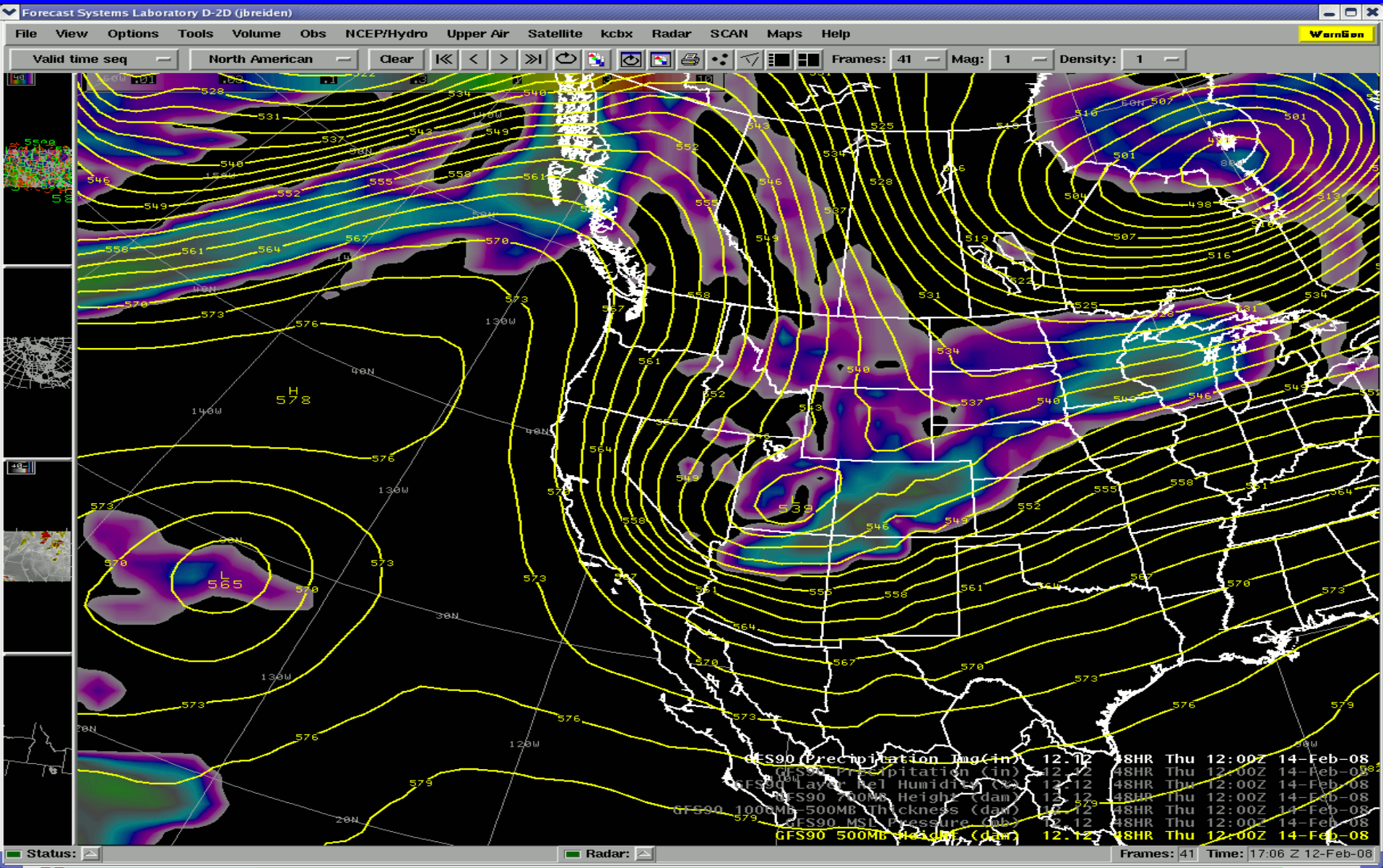
Wednesday Feb 13th



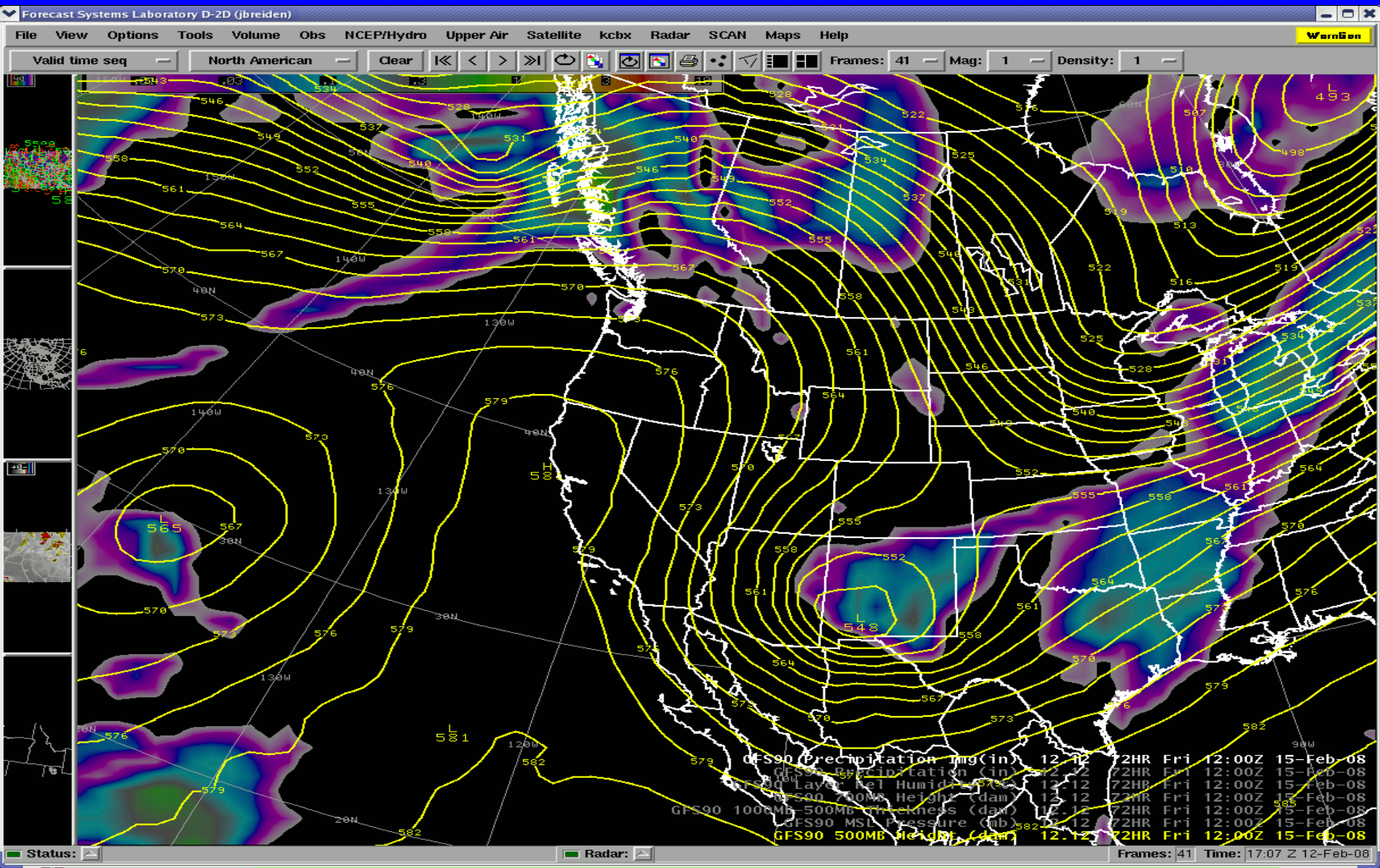
Wednesday Morning – Feb 13th



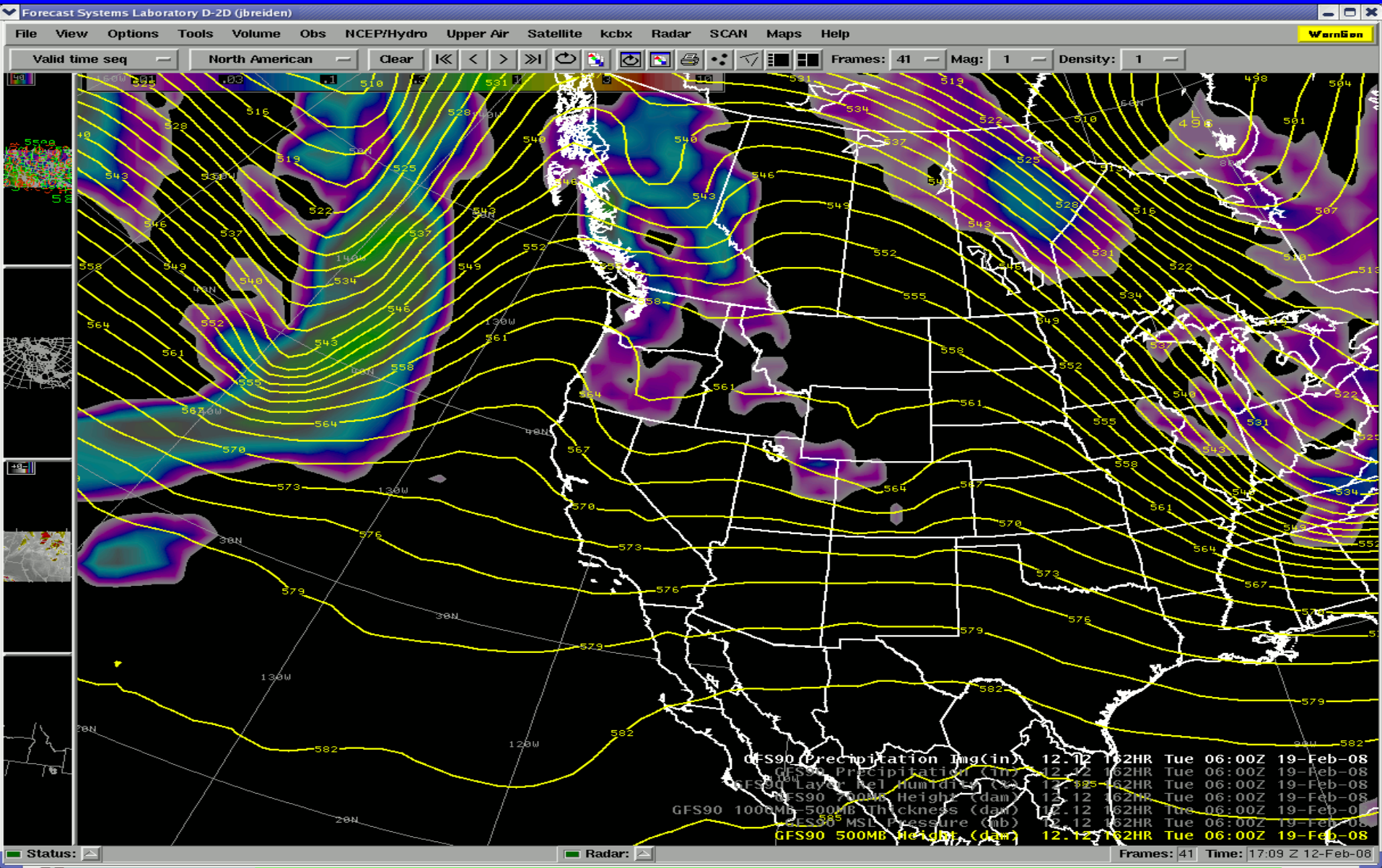
Thursday, Feb 14th -Cold/Dry Northerly Flow



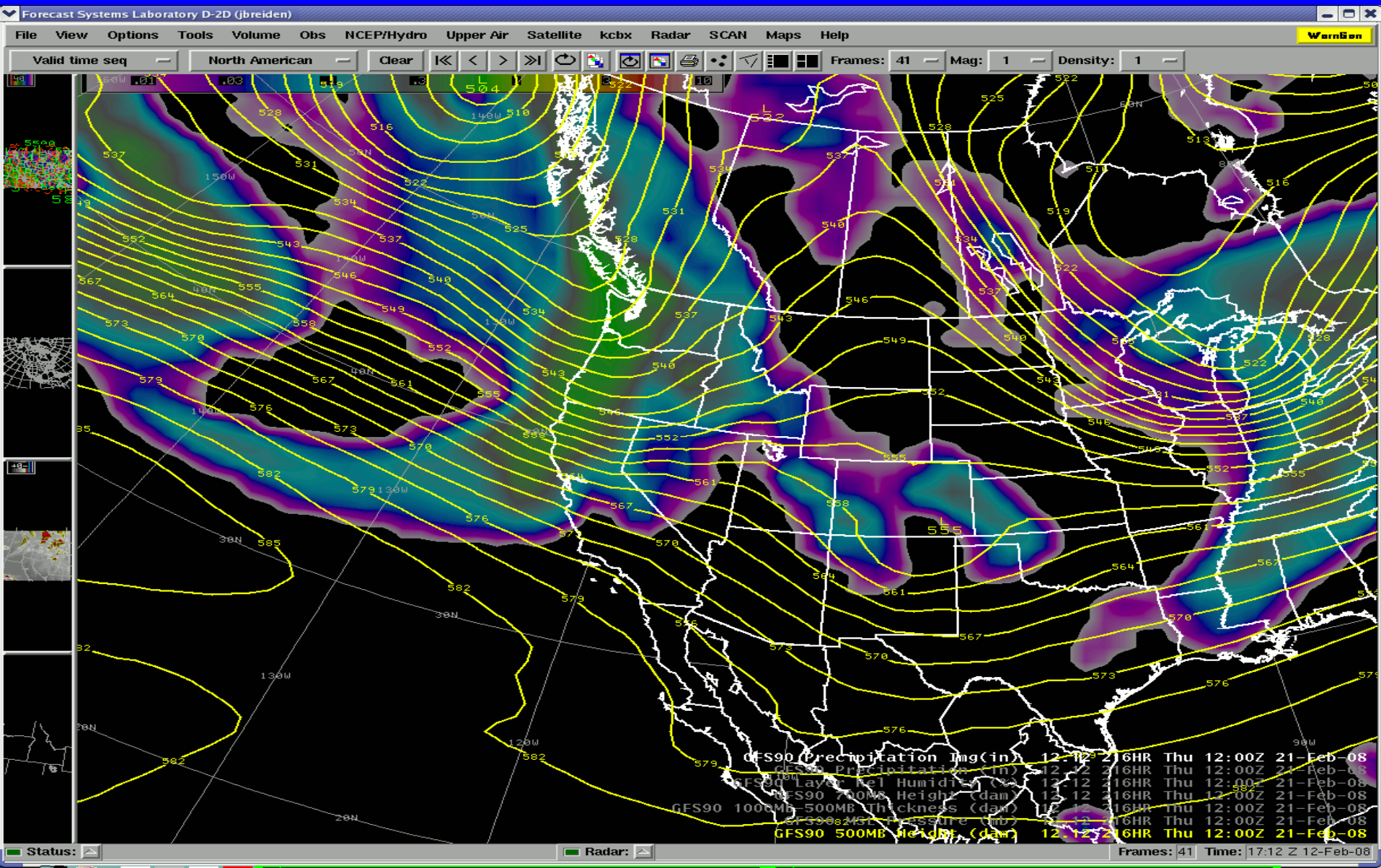
Friday, Feb 15th – Upper level ridge brings mild / dry weather



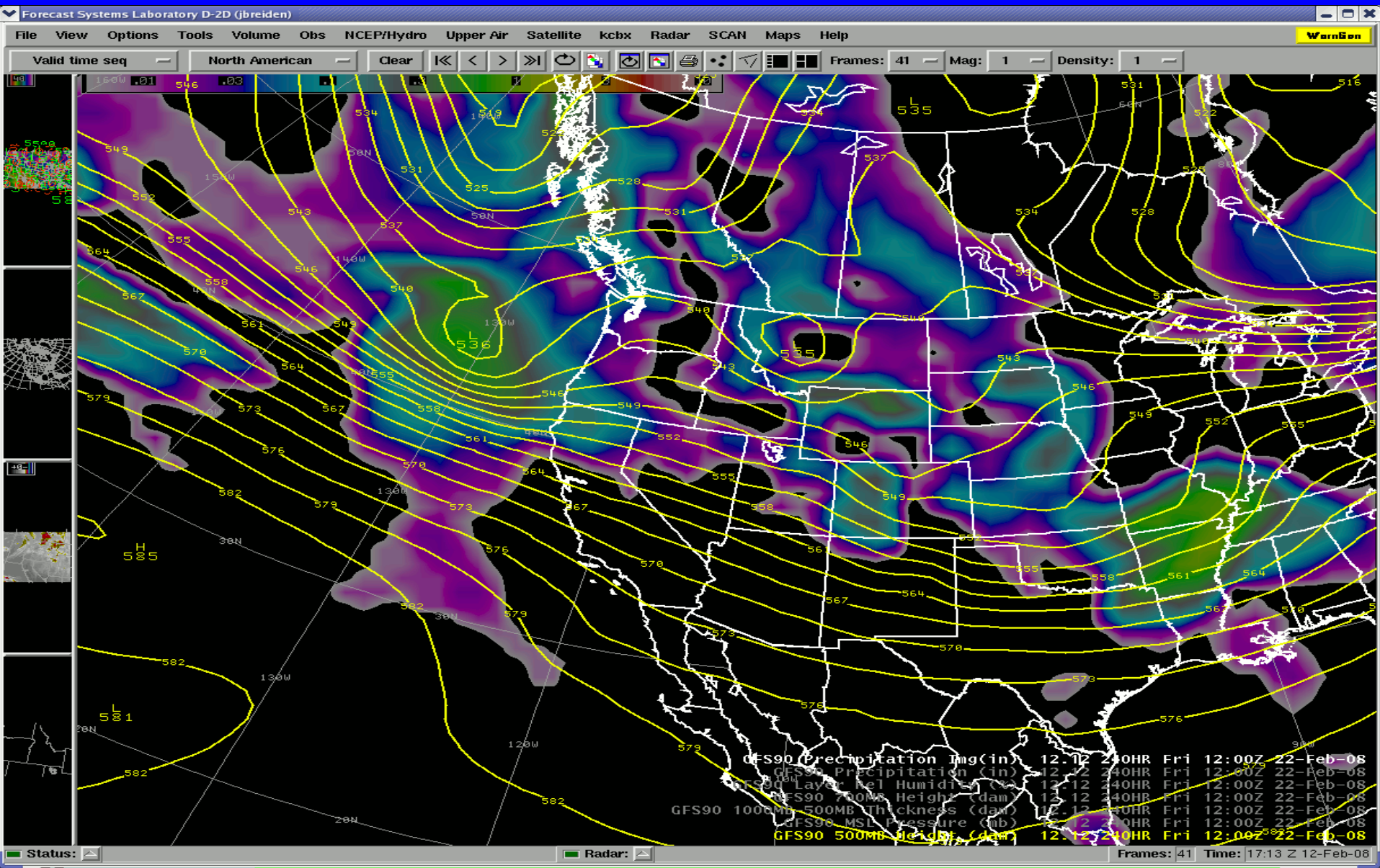
Tuesday, Feb 19th – Ridge Breaks down with potential for stormy pattern returning by late week



Thursday, Feb 20th – Potential for cold/stormy pattern to resume



Friday, Feb 22st – Possible continuation of cold / stormy pattern



Flood Potential

Area of Concern	Dates of Greatest Concern
Weiser River in Adams and Washington County	Late February through early April
Bruneau River in Owyhee County	Late March through late May
Camas Creek in Camas County	Late March through early May
Small Streams in Ada County	Early March through late April
-including Dry Creek, Cottonwood Creek	
Small Streams in Boise County	Late March through late April
-including Grimes,Robie,Mores Creek	
Small Streams in Valley County	April through Early May
-including Gold Fork, Lake Fork Creeks near Donnelly	

Flood Potential

Area of Concern	Dates of Greatest Concern
Bigwood River and its tributaries in Blaine County	May through early June
Small Streams in Clearwater County	Late February through early April
Town of Elk River in Idaho County	Late February through mid-April
Numerous small streams in Idaho Panhandle	Late February through April
Main Stem Rivers in Idaho Panhandle	Mid March through May

Current Information on Web

www.weather.gov/boise

Drought ?

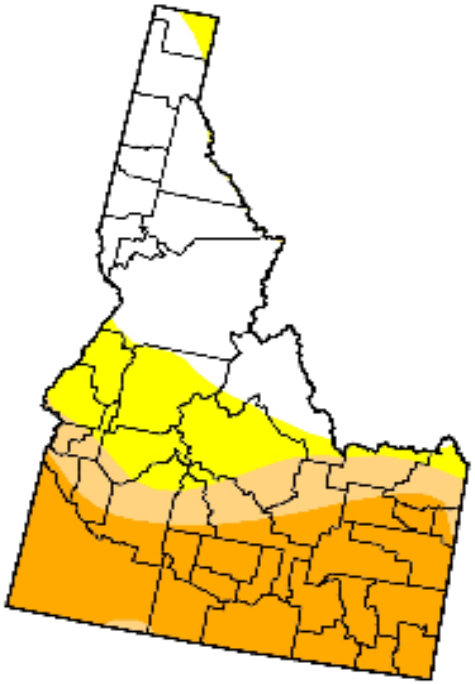
U.S. Drought Monitor

Idaho

February 5, 2008
Valid 7 a.m. EST

Drought Conditions (Percent Area)

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
Current	29.7	70.3	52.4	39.5	0.0	0.0
Last Week (01/29/2008 map)	8.6	91.4	52.4	39.8	0.0	0.0
3 Months Ago (11/13/2007 map)	0.0	100.0	99.8	85.7	0.0	0.0
Start of Calendar Year (01/01/2008 map)	0.5	99.5	88.7	51.3	0.0	0.0
Start of Water Year (10/02/2007 map)	0.0	100.0	100.0	100.0	34.1	0.0
One Year Ago (02/06/2007 map)	69.9	30.1	7.4	0.0	0.0	0.0



Intensity:

- D0 Abnormally Dry
- D1 Drought - Moderate
- D2 Drought - Severe
- D3 Drought - Extreme
- D4 Drought - Exceptional

The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements

http://drought.unl.edu/dm

Released Thursday, February 7, 2008

Author: J. Lawrimore/L. Love-Brotak, NOAA/NESDIS/NCDC

RECLAMATION

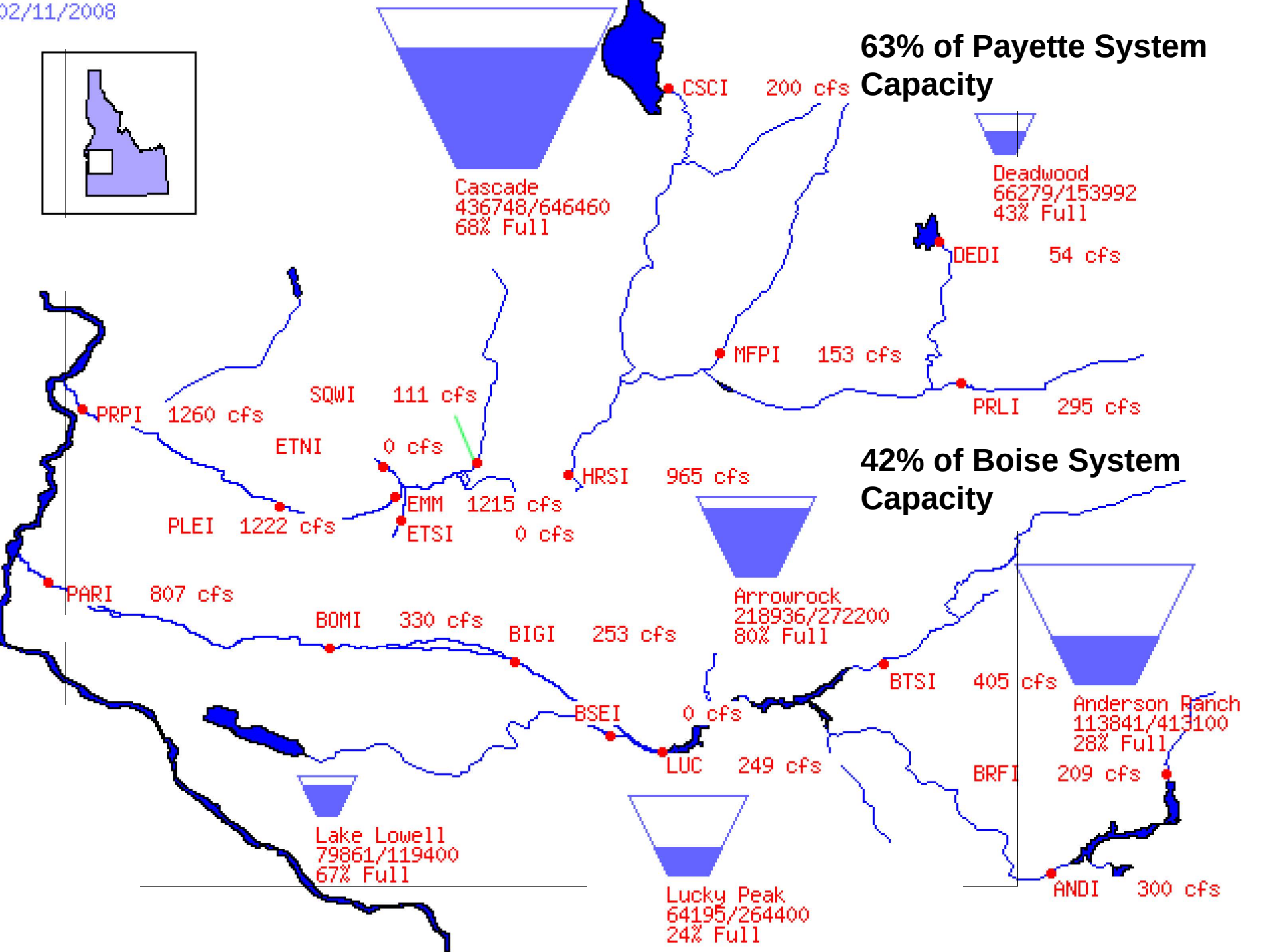
Managing Water in the West

Idaho Water Supply Committee Meeting

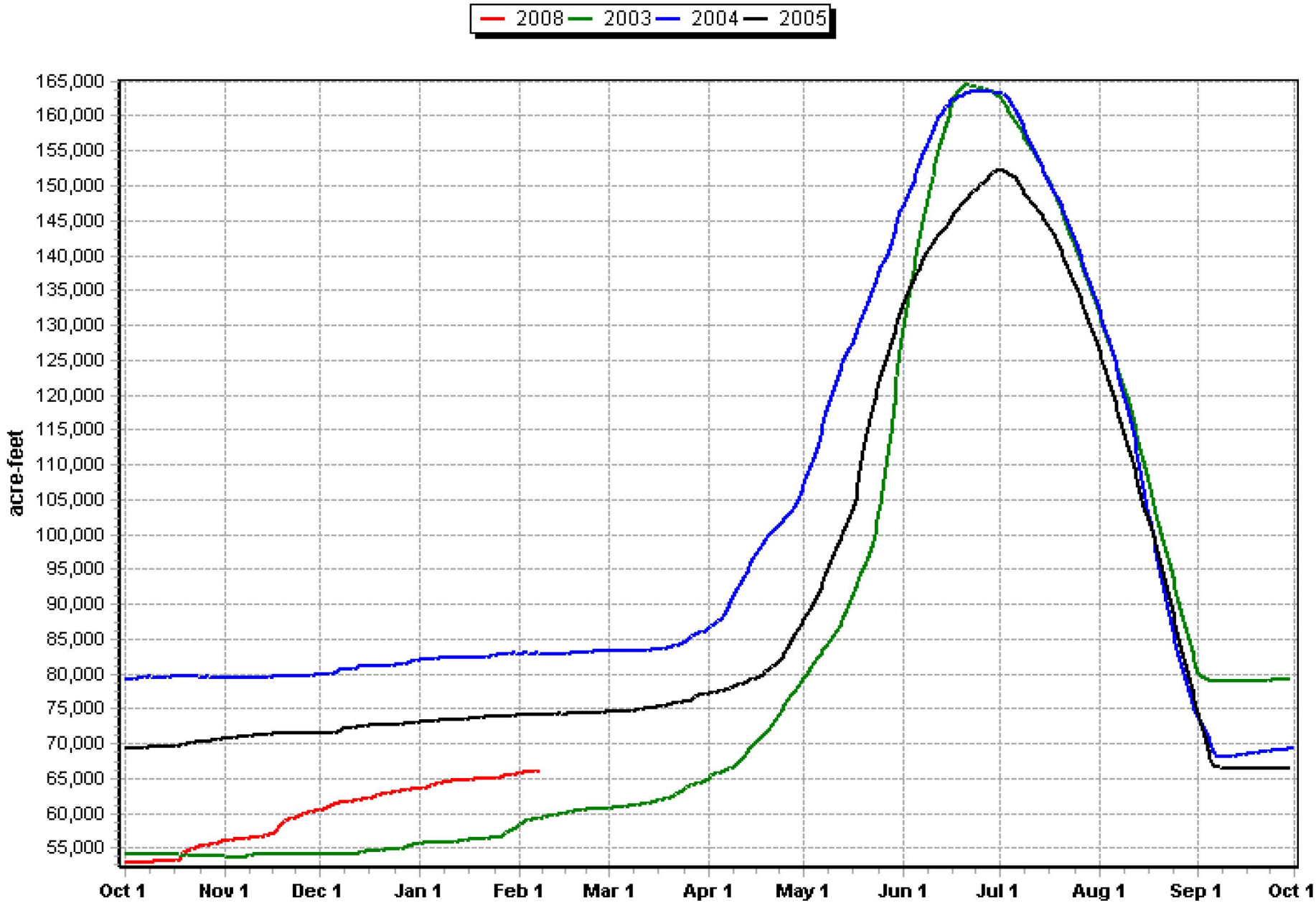
Southwest Idaho Report

February 13, 2008

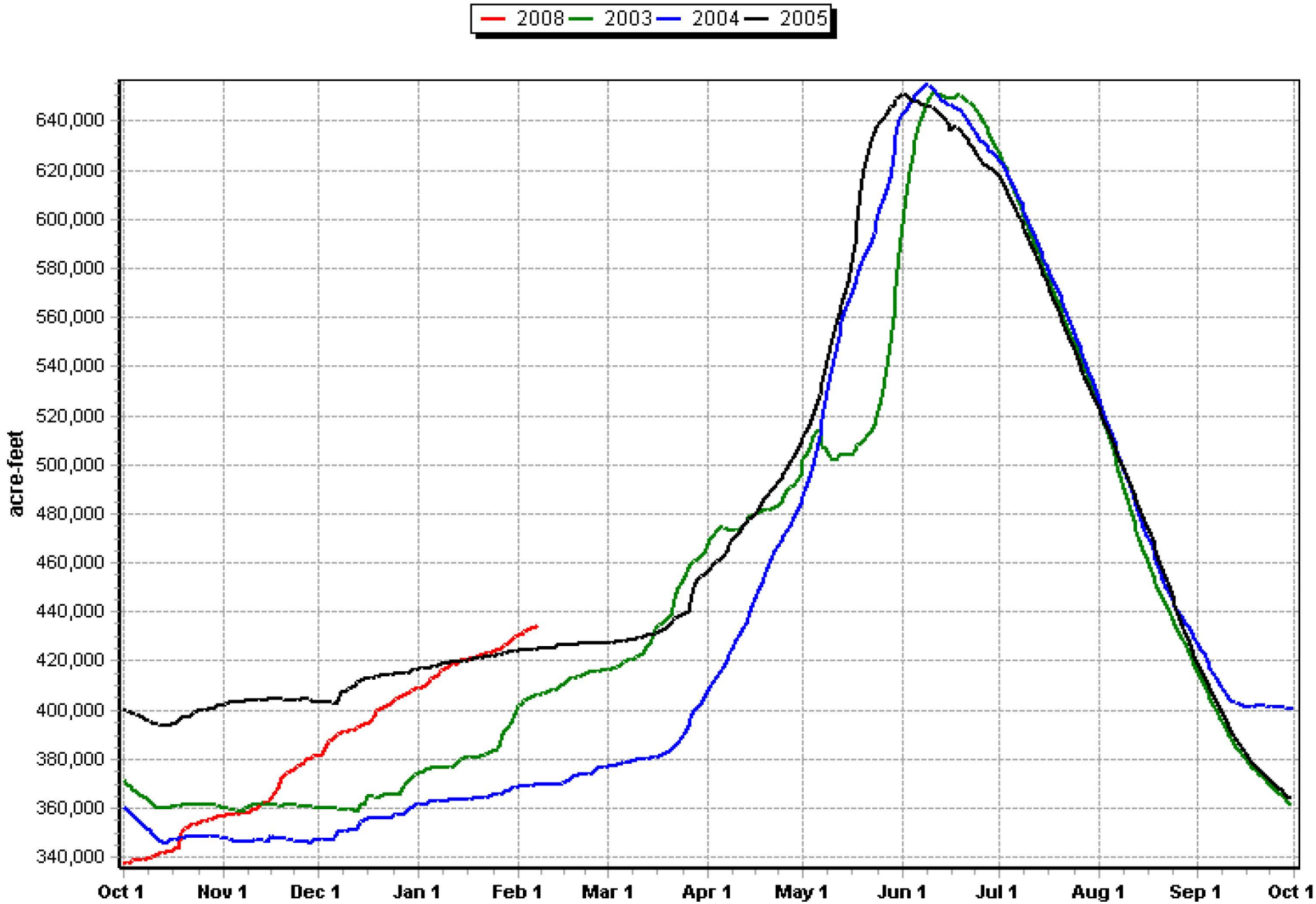
U.S. Department of the Interior
Bureau of Reclamation


02/11/2008
63% of Payette System Capacity
CSCI 200 cfs
Cascade
436748/646460
68% Full
Deadwood
66279/153992
43% Full
DEDI 54 cfs
MFPI 153 cfs
PRLI 295 cfs
SQWI 111 cfs
PRPI 1260 cfs
ETNI 0 cfs
HRSI 965 cfs
42% of Boise System Capacity
EMM 1215 cfs
PLEI 1222 cfs
ETSI 0 cfs
PARI 807 cfs
Arrowrock
218936/272200
80% Full
BOMI 330 cfs
BIGI 253 cfs
BTSI 405 cfs
Anderson Ranch
113841/413100
28% Full
BSEI 0 cfs
LUC 249 cfs
BRFI 209 cfs
Lake Lowell
79861/119400
67% Full
Lucky Peak
64195/264400
24% Full
ANDI 300 cfs

Deadwood Reservoir Storage

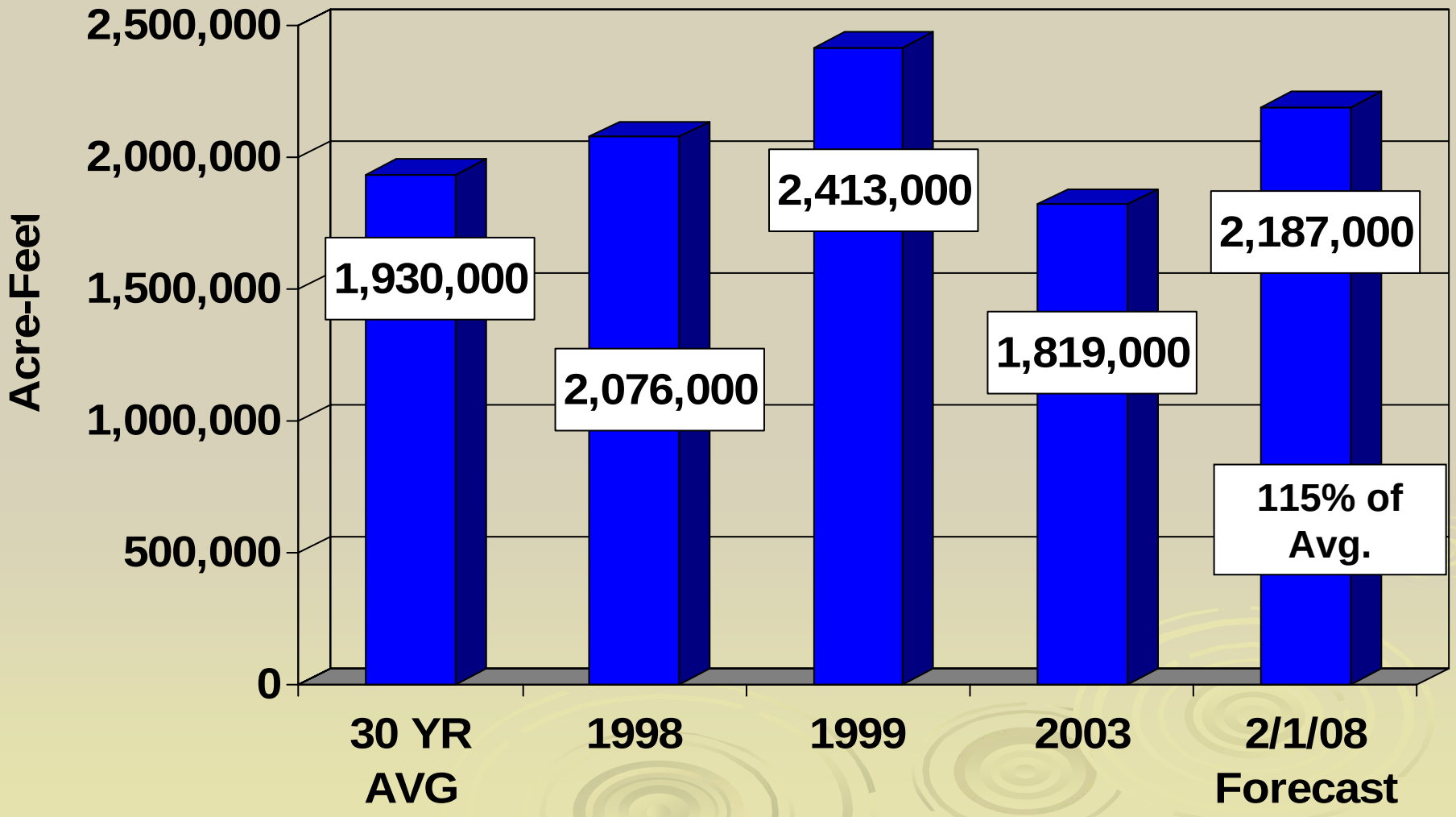


Cascade Reservoir Storage

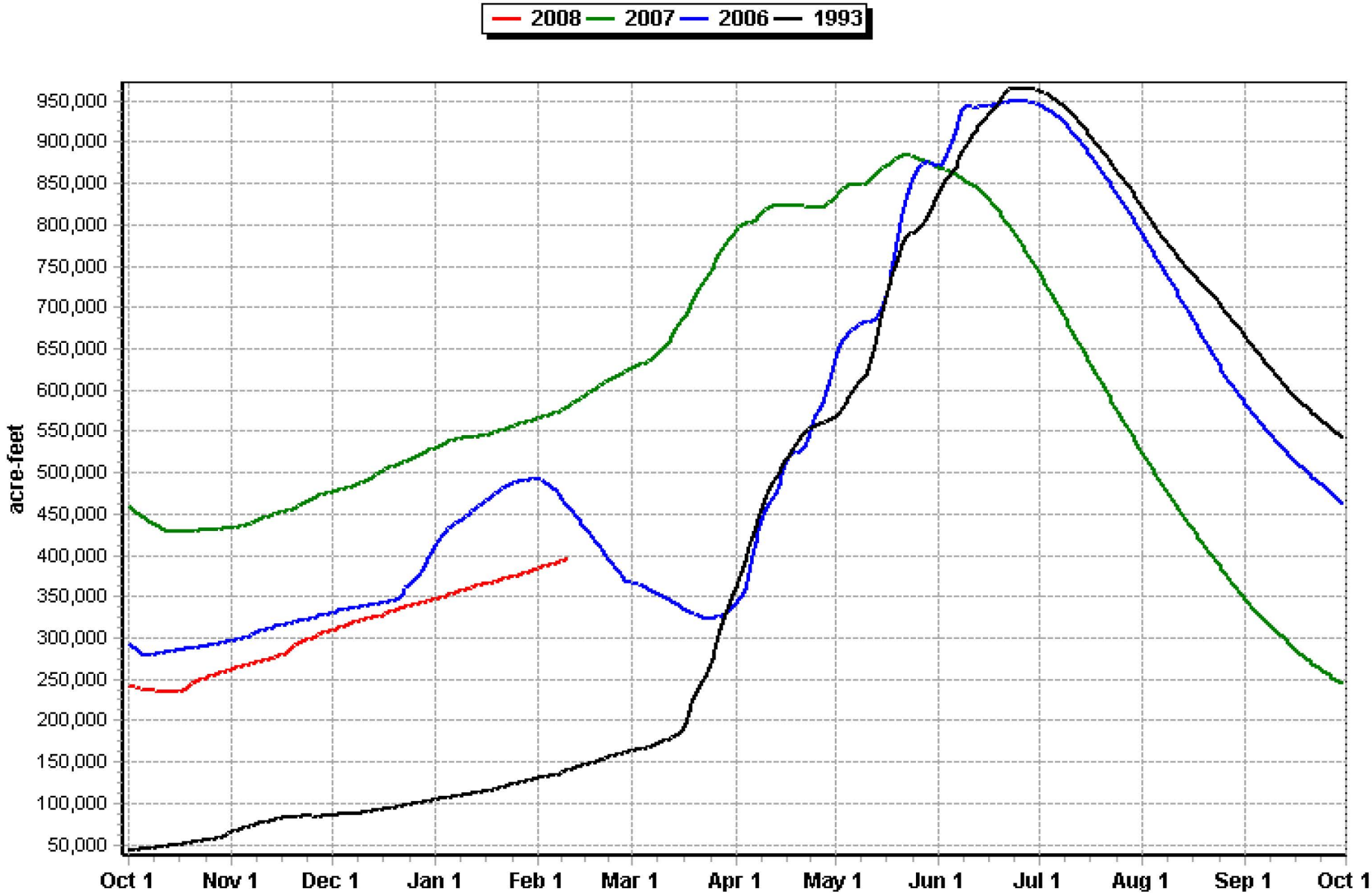


Payette River Runoff at Horseshoe Bend

February 1 – July 31

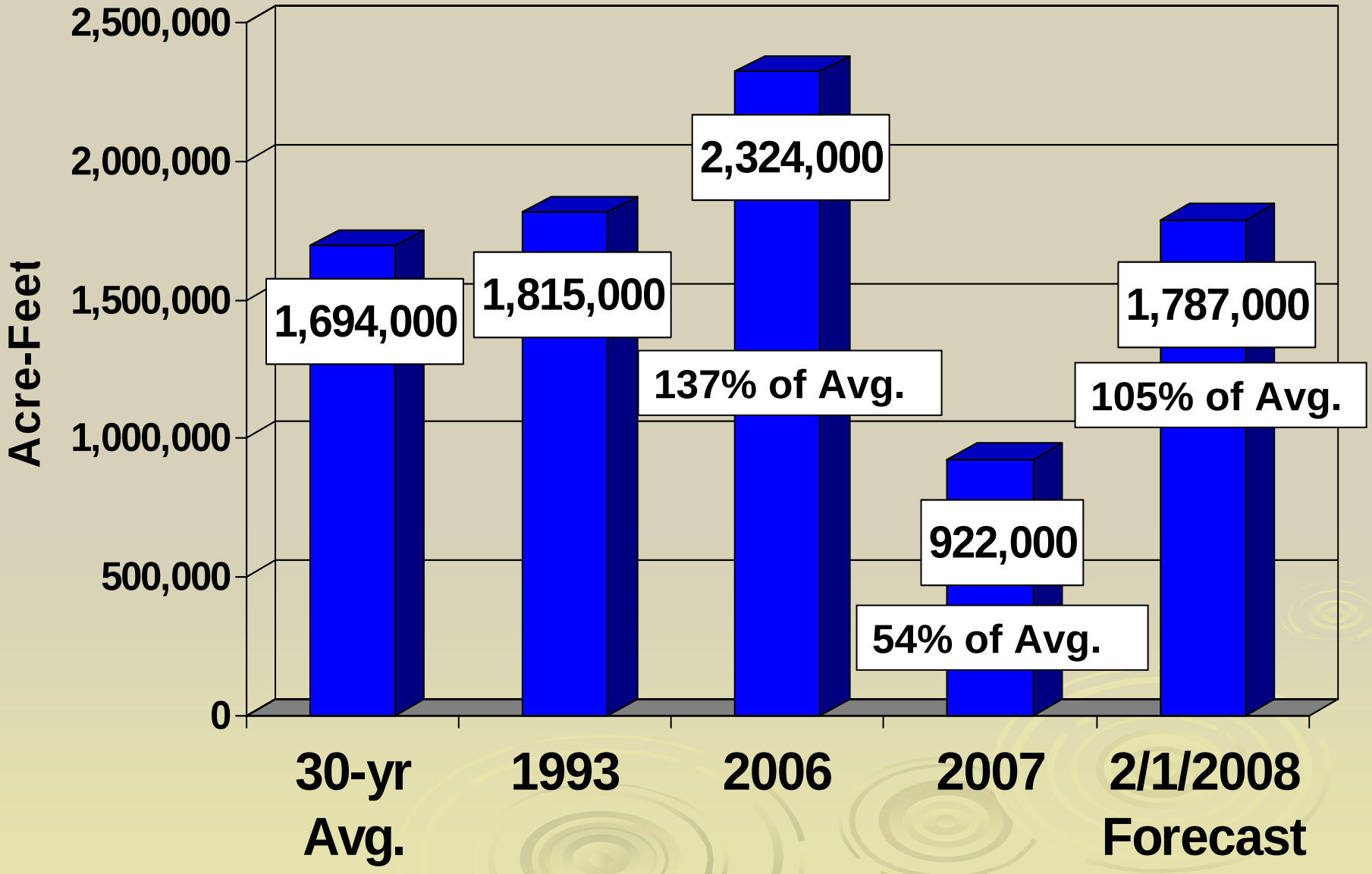


Boise River Reservoir System Storage
(capacity = 949,700 acre-ft)

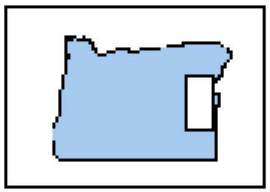


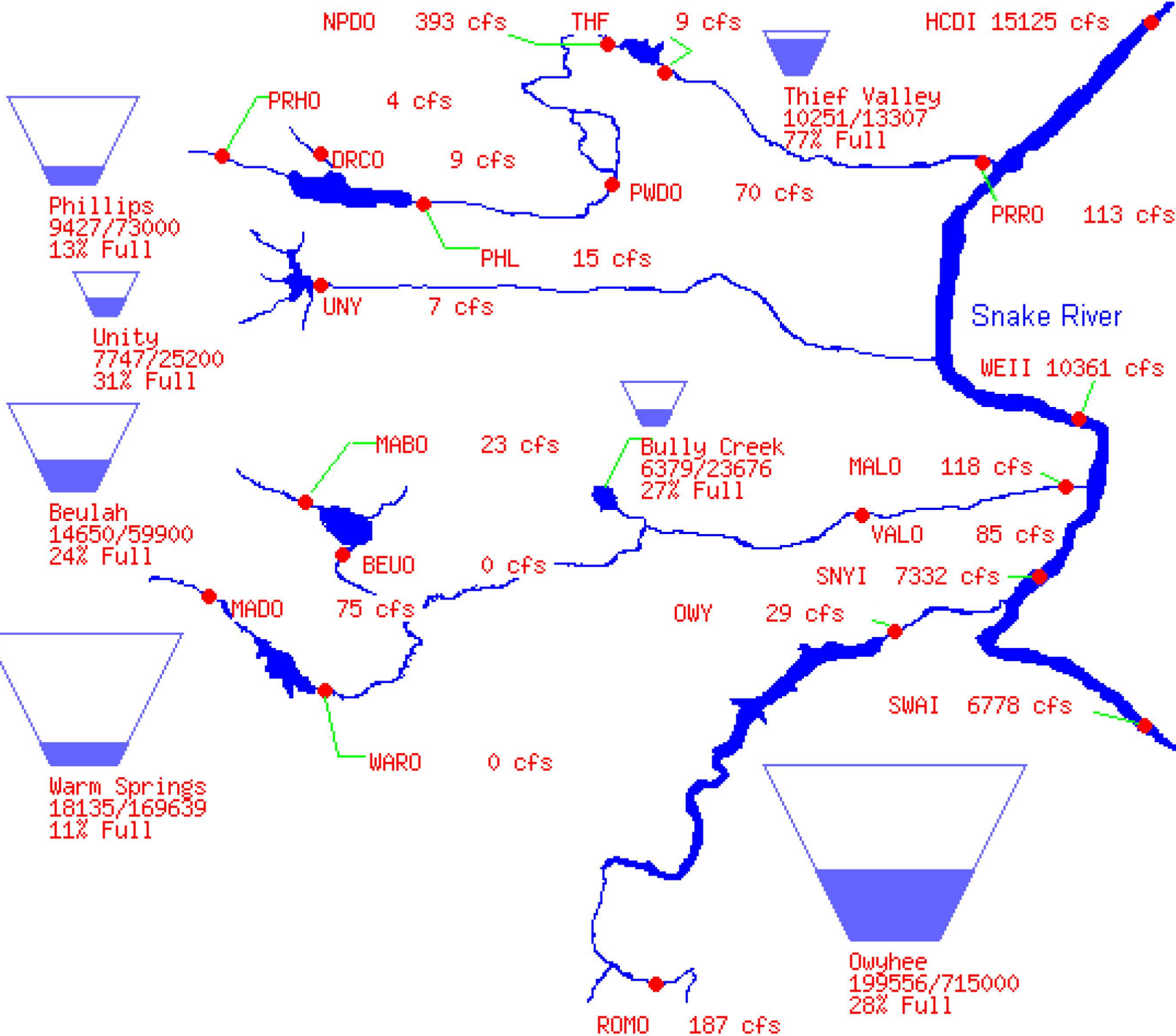
Boise Basin Runoff

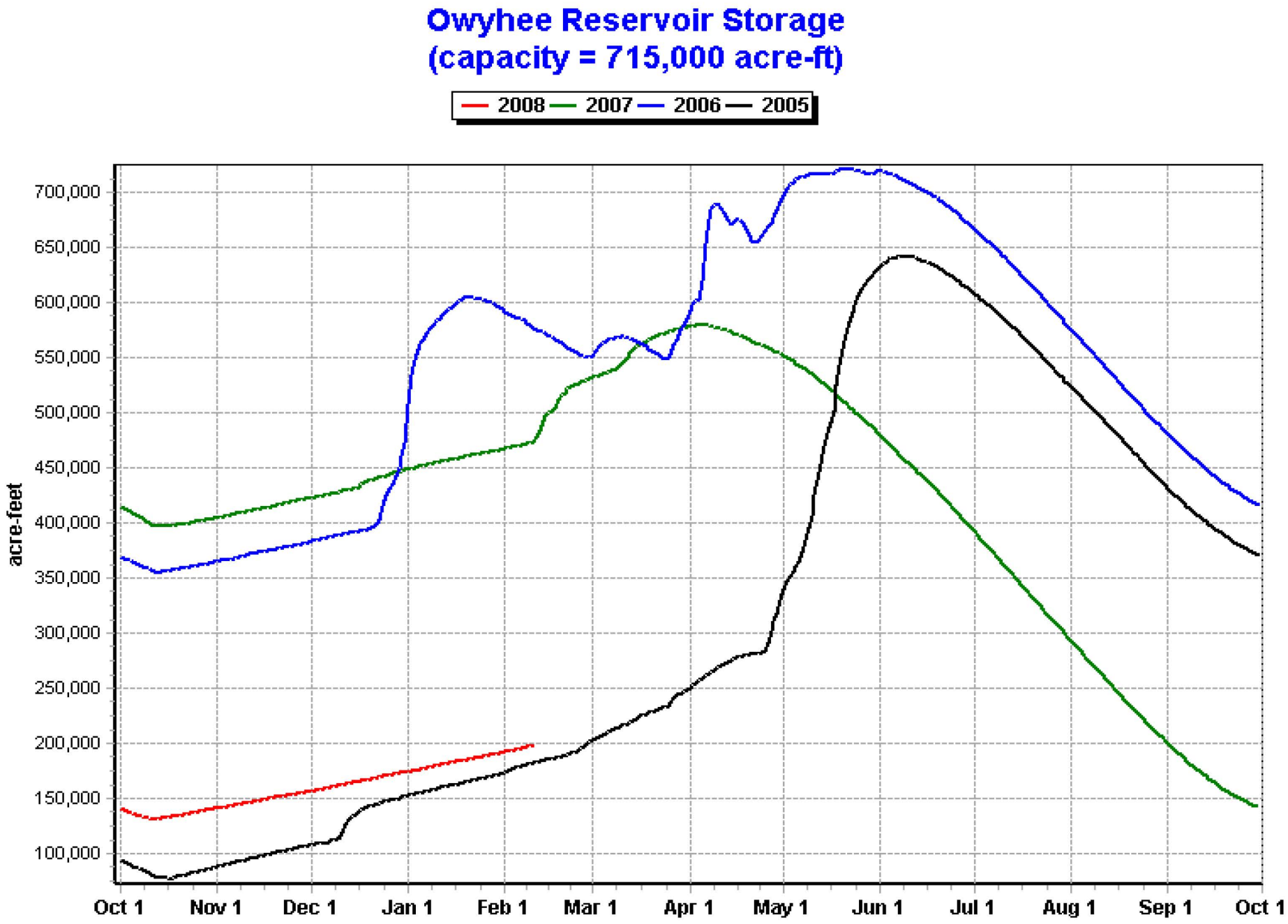
February 1 – July 30



02/11/2008

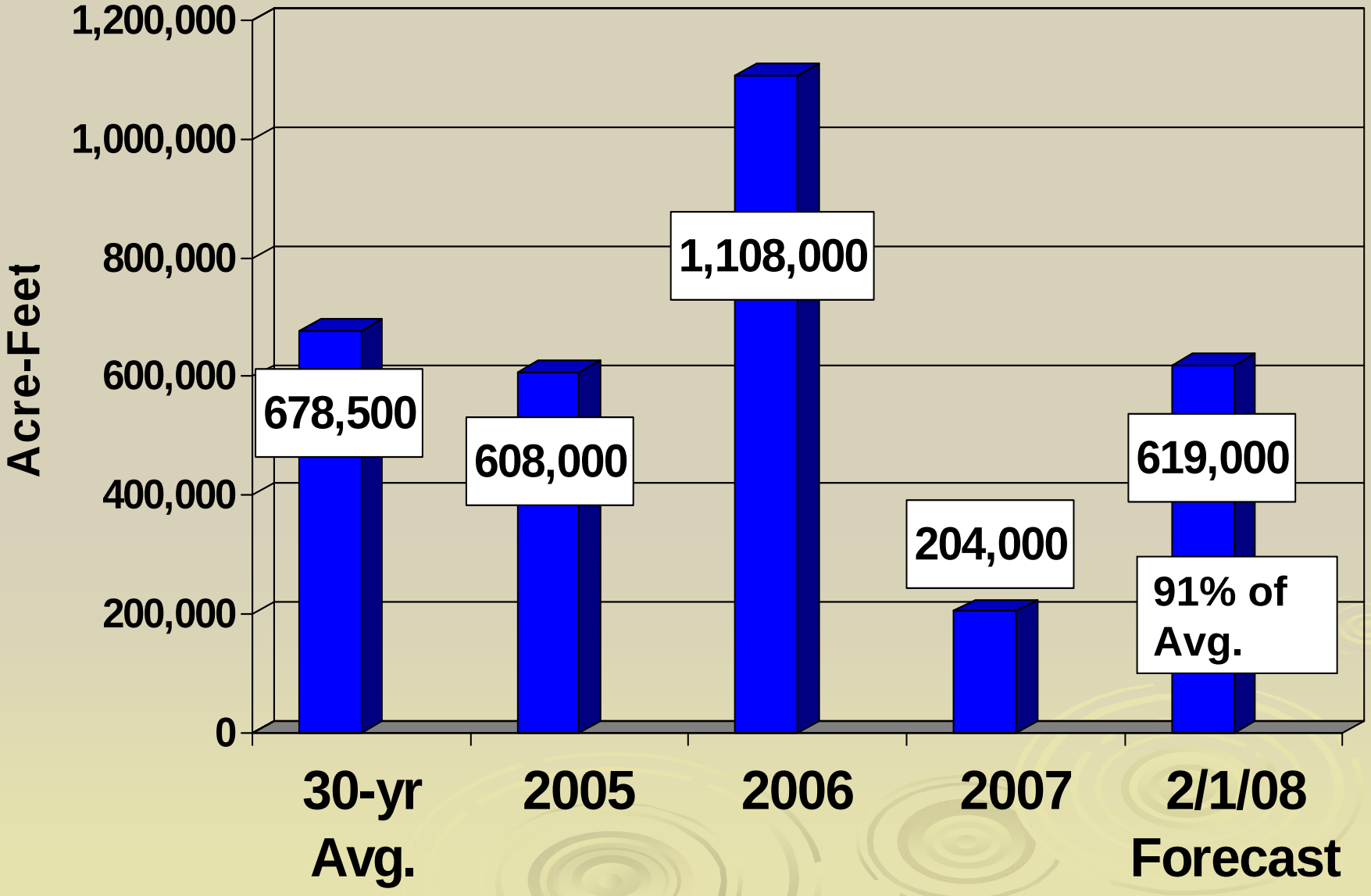



NPDO 393 cfs
THF 9 cfs
HCDI 15125 cfs
Thief Valley
10251/13307
77% Full
PRHO 4 cfs
DRCO 9 cfs
PWDO 70 cfs
PRRO 113 cfs
Phillips
9427/73000
13% Full
PHL 15 cfs
UNY 7 cfs
Unity
7747/25200
31% Full
Snake River
WEII 10361 cfs
MABO 23 cfs
Bully Creek
6379/23676
27% Full
MALO 118 cfs
Beulah
14650/59900
24% Full
VALO 85 cfs
BEUO 0 cfs
SNYI 7332 cfs
MADO 75 cfs
OWY 29 cfs
SWAI 6778 cfs
WARO 0 cfs
Warm Springs
18135/169639
11% Full
Owyhee
199556/715000
28% Full
ROMO 187 cfs


Owyhee Reservoir Storage
(capacity = 715,000 acre-ft)
2008
2007
2006
2005
acre-feet
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 1
Nov 1
Dec 1
Jan 1
Feb 1
Mar 1
Apr 1
May 1
Jun 1
Jul 1
Aug 1
Sep 1
Oct 1

Owyhee Basin Runoff

February - June



RECLAMATION

Managing Water in the West

Bureau of Reclamation

Upper Snake River Basin Water Supply

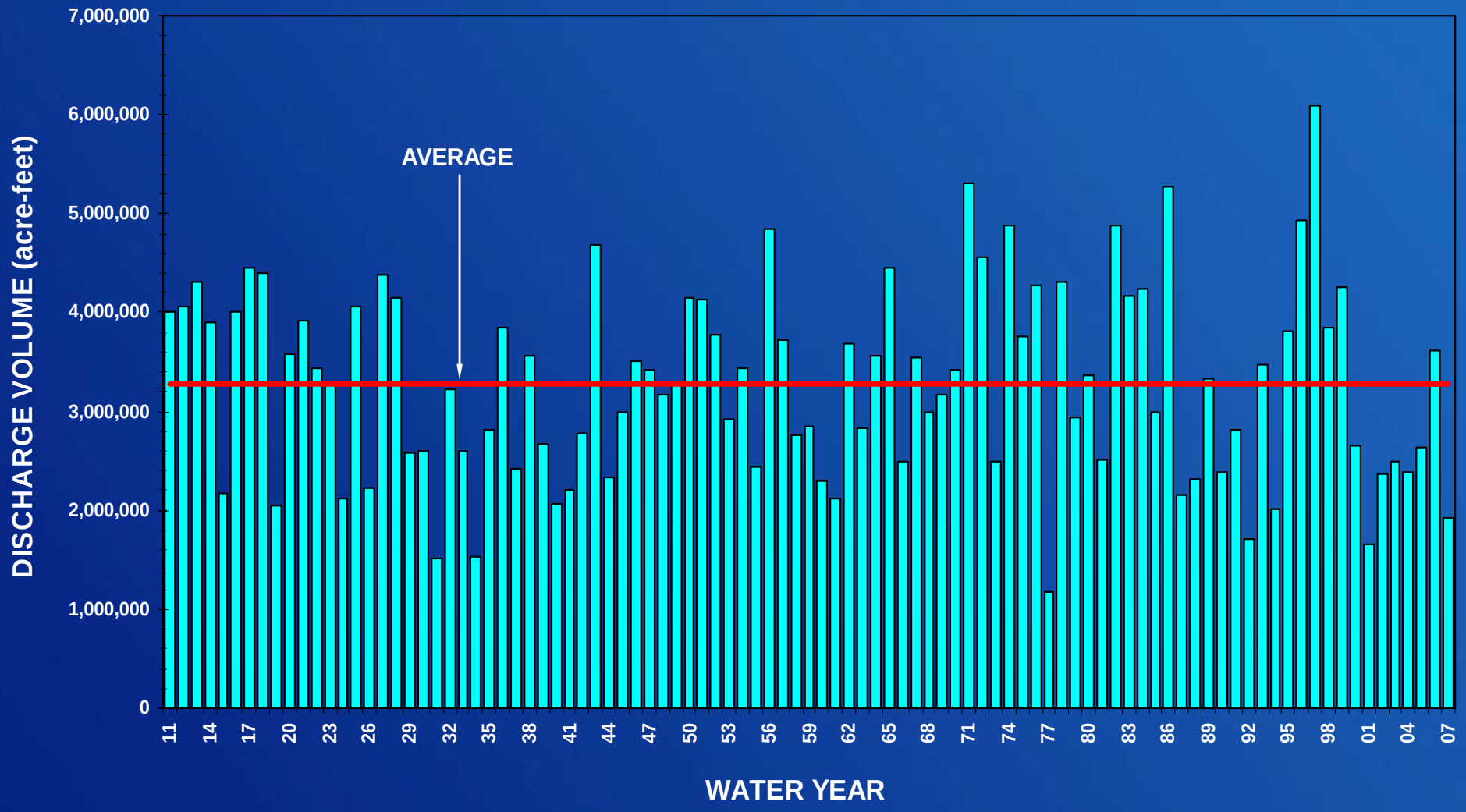
U.S. Department of the Interior
Bureau of Reclamation

2008 Water Operations

- Heise Runoff Volume
- Upper Snake River System Teacup
- 2008 Storage Supply Compared With 2006 & 2007
- Reservoir by Reservoir Storage

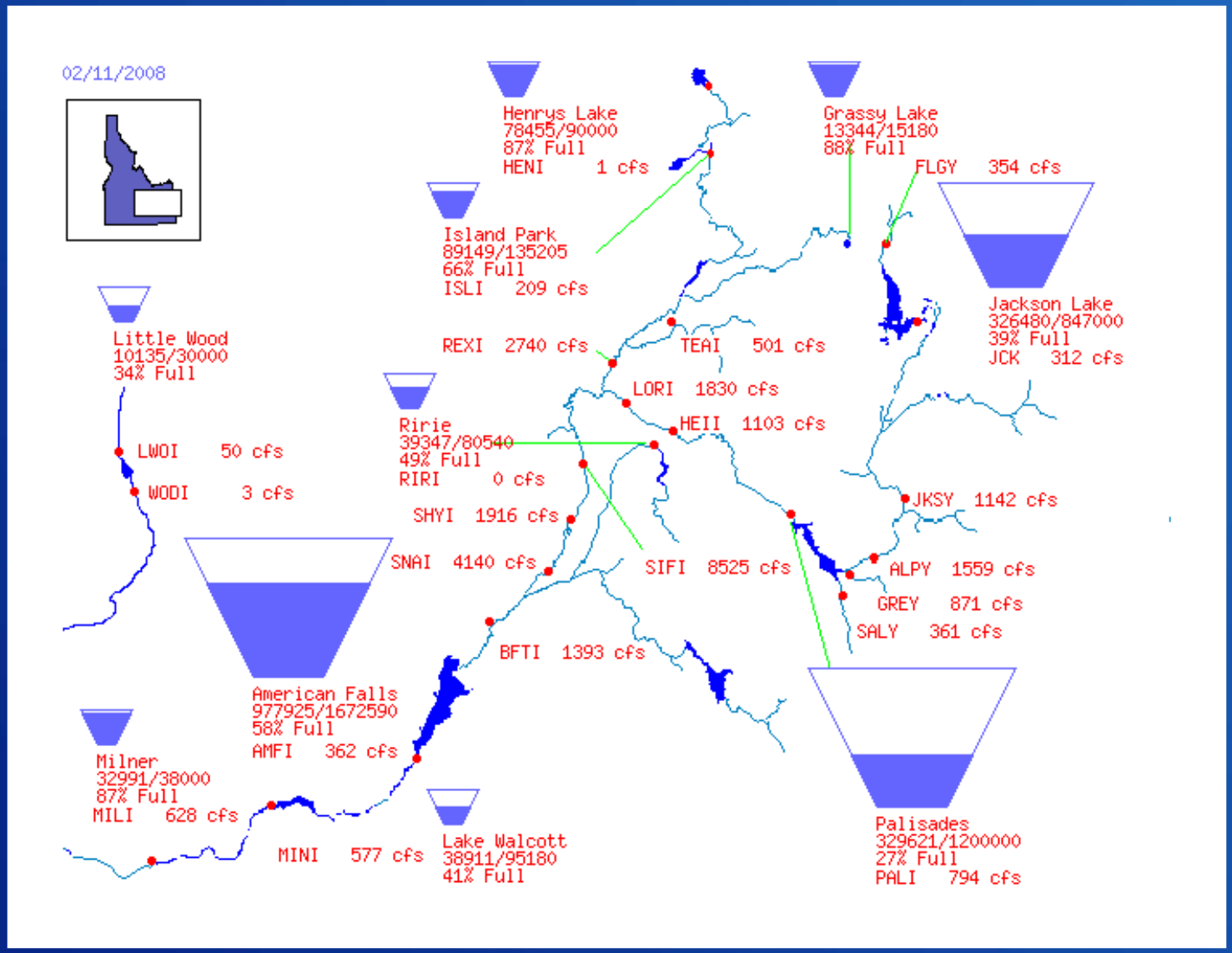
RECLAMATION

HEISE UNREGULATED APRIL - JULY VOLUME
WATER YEAR 2007 WAS 59% OF AVERAGE



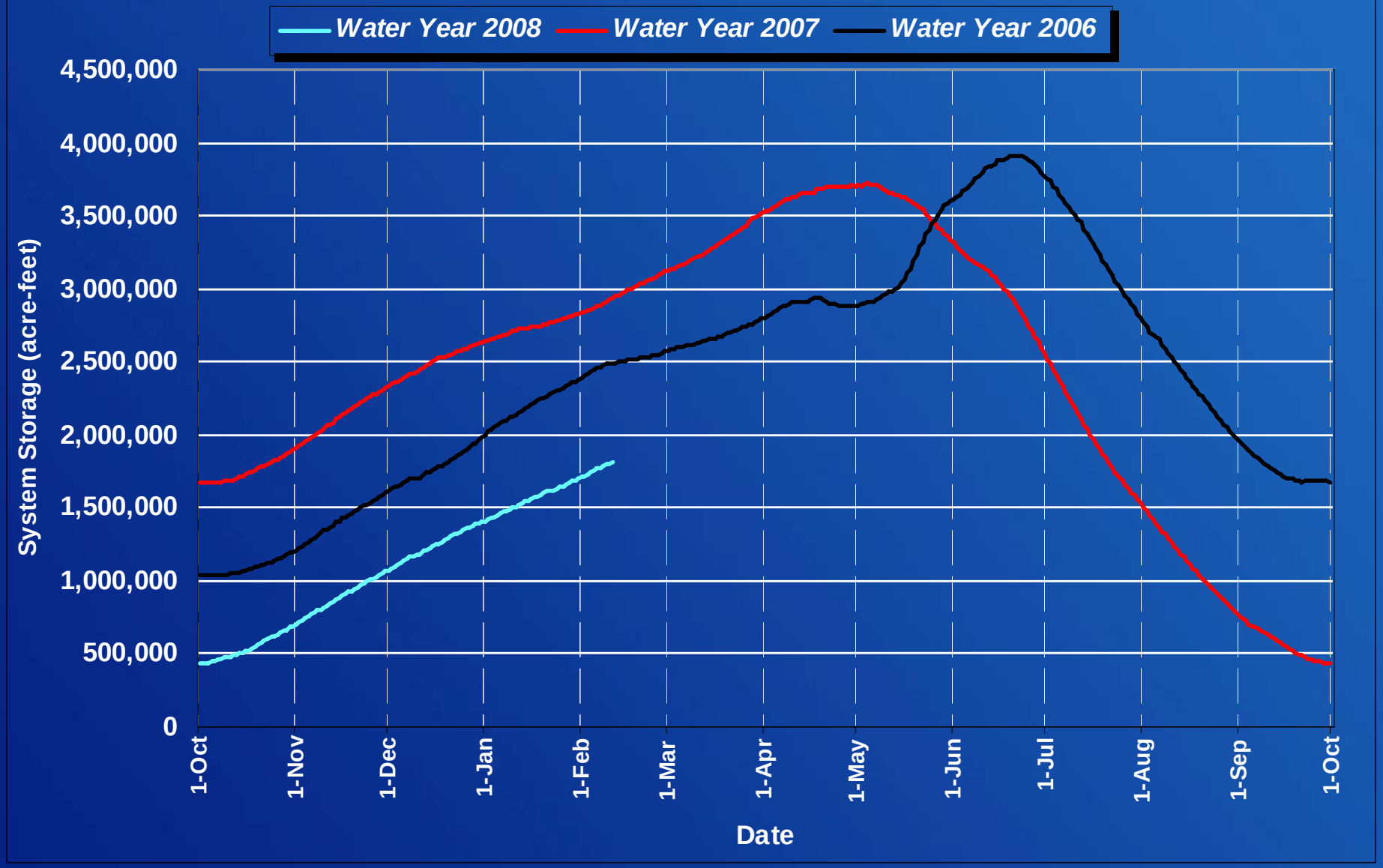
RECLAMATION

Major Storage Reservoirs in the Upper Snake River Basin



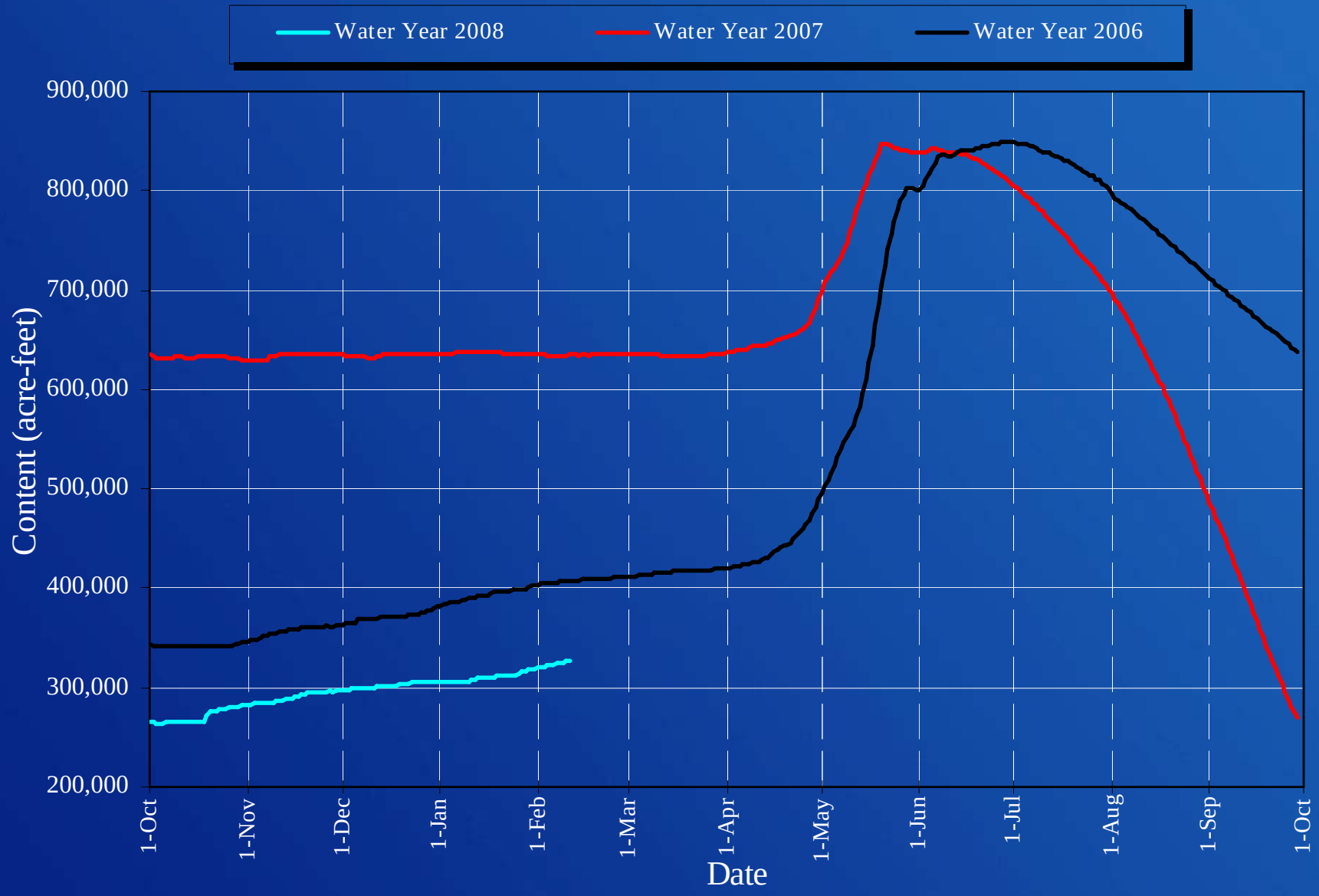
RECLAMATION

Jackson + Palisades + Ririe + Grassy Lake + Island Park + American Falls + Minidoka



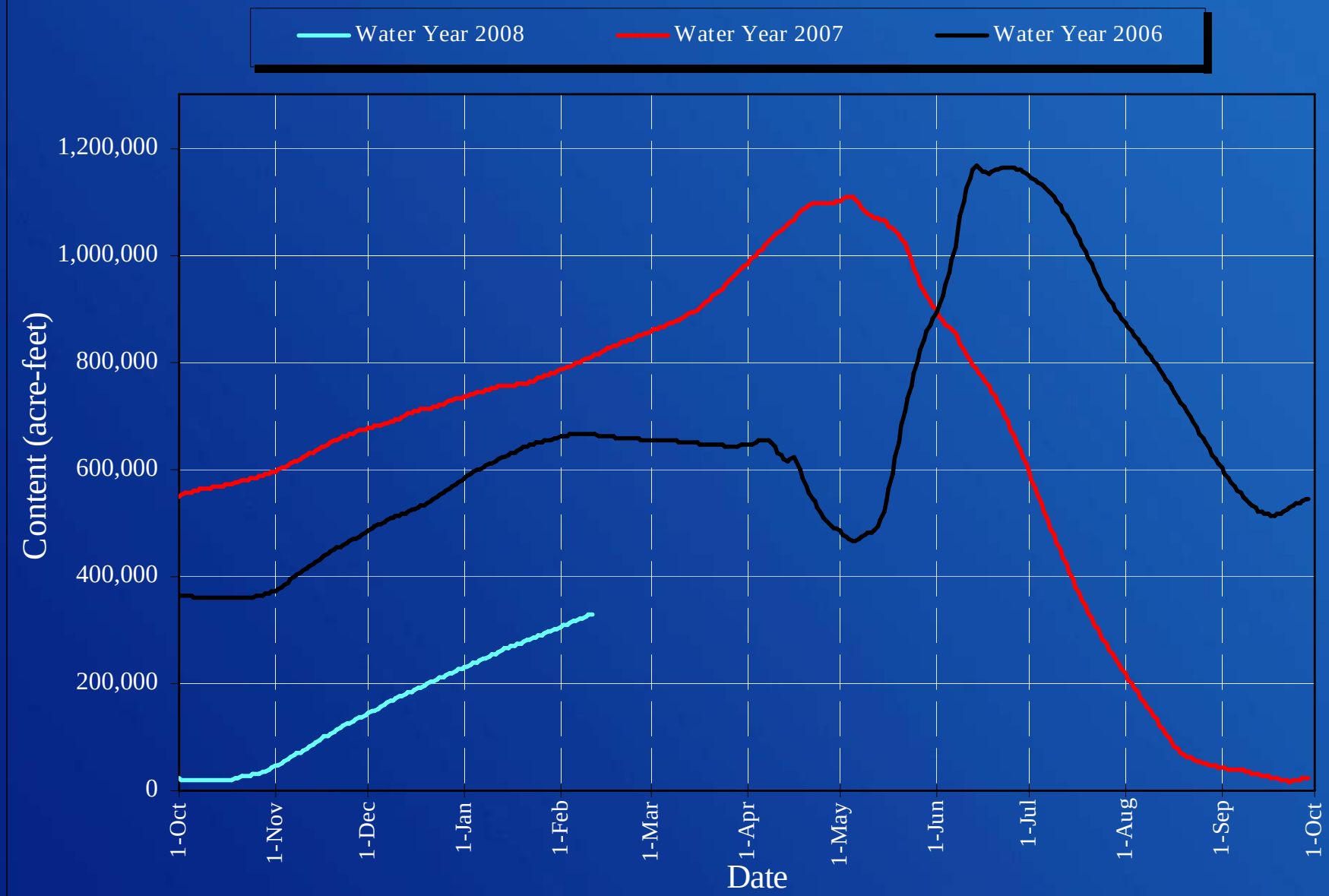
RECLAMATION

Jackson Lake



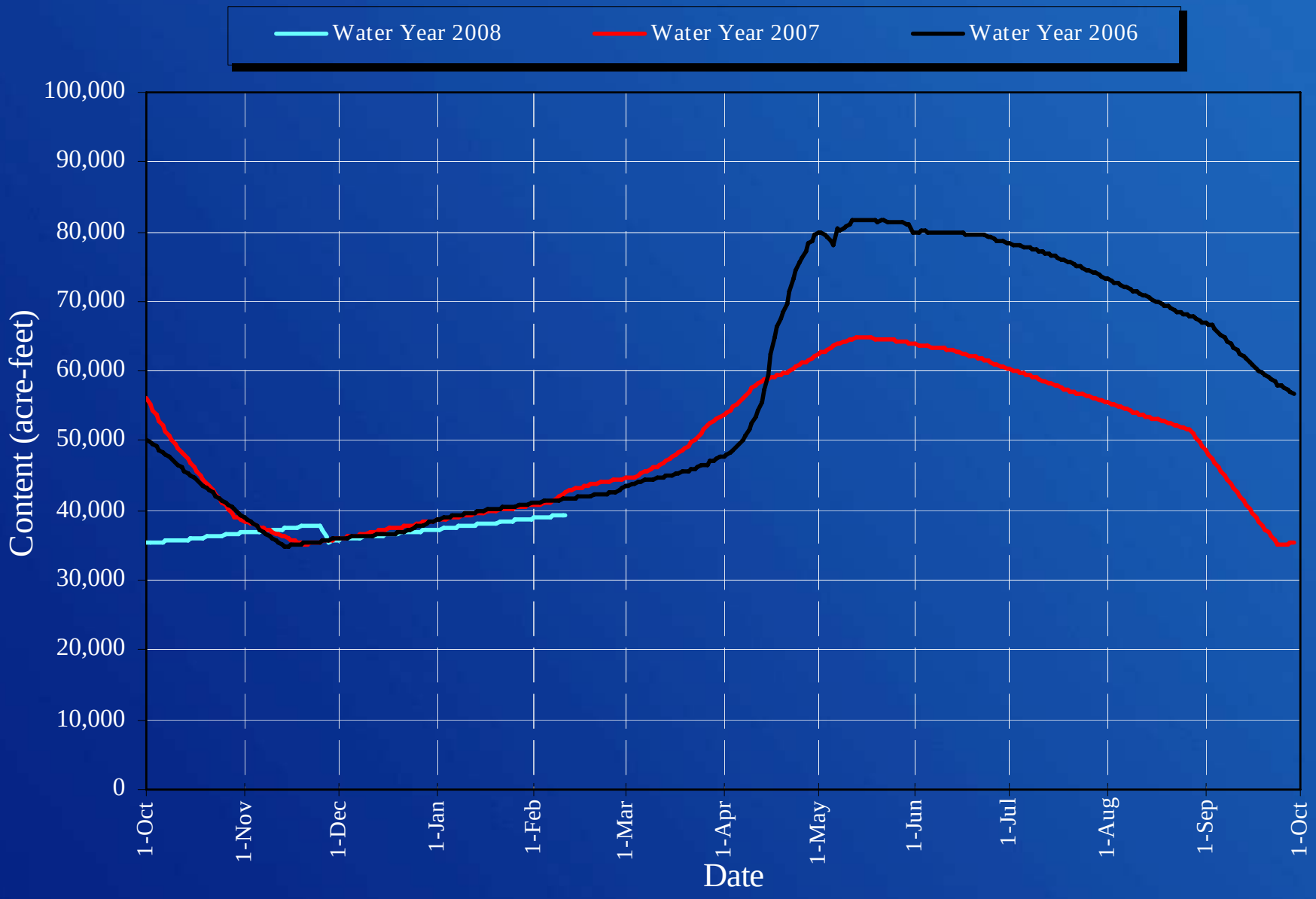
RECLAMATION

Palisades Reservoir



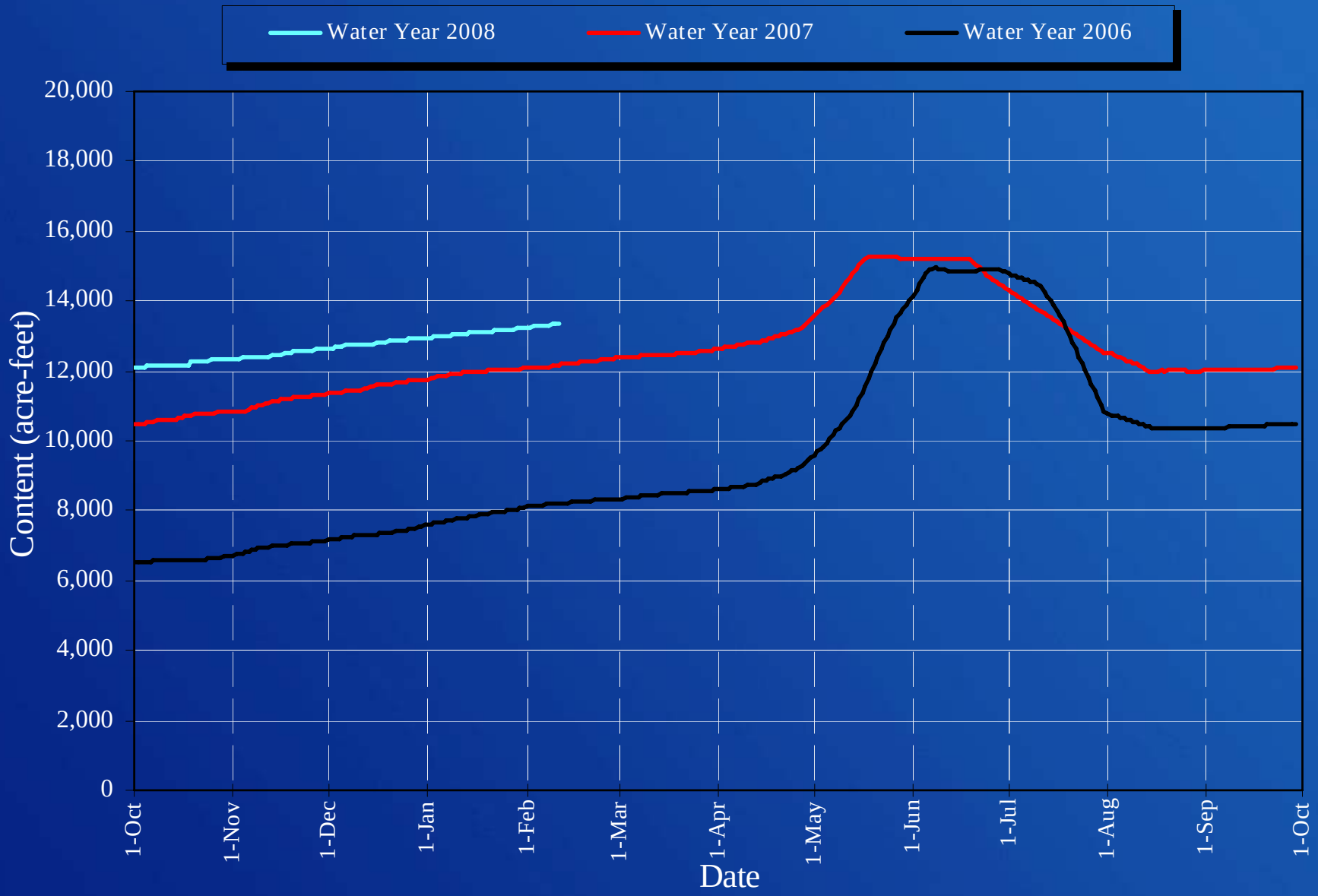
RECLAMATION

Ririe Reservoir



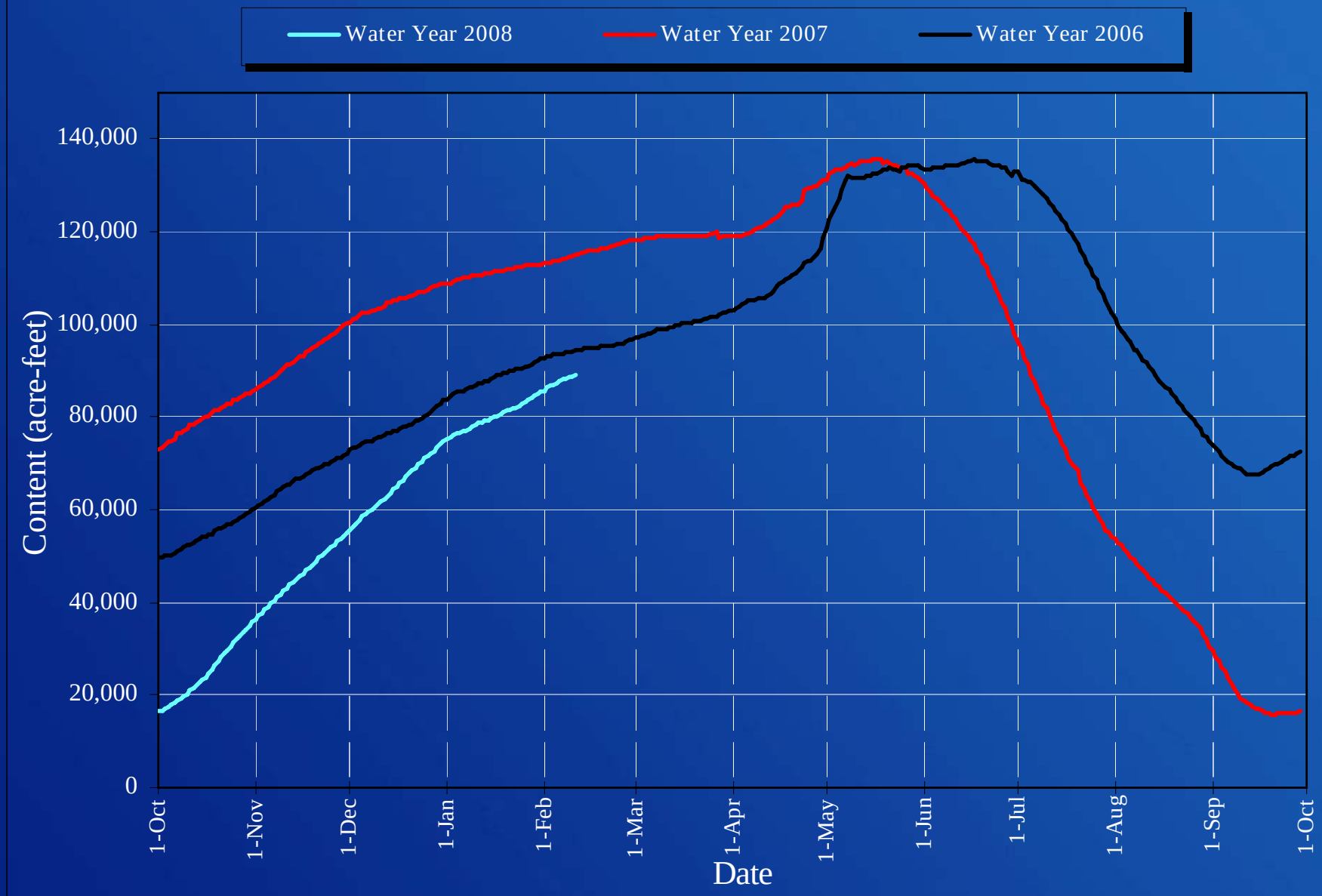
RECLAMATION

Grassy Lake Reservoir



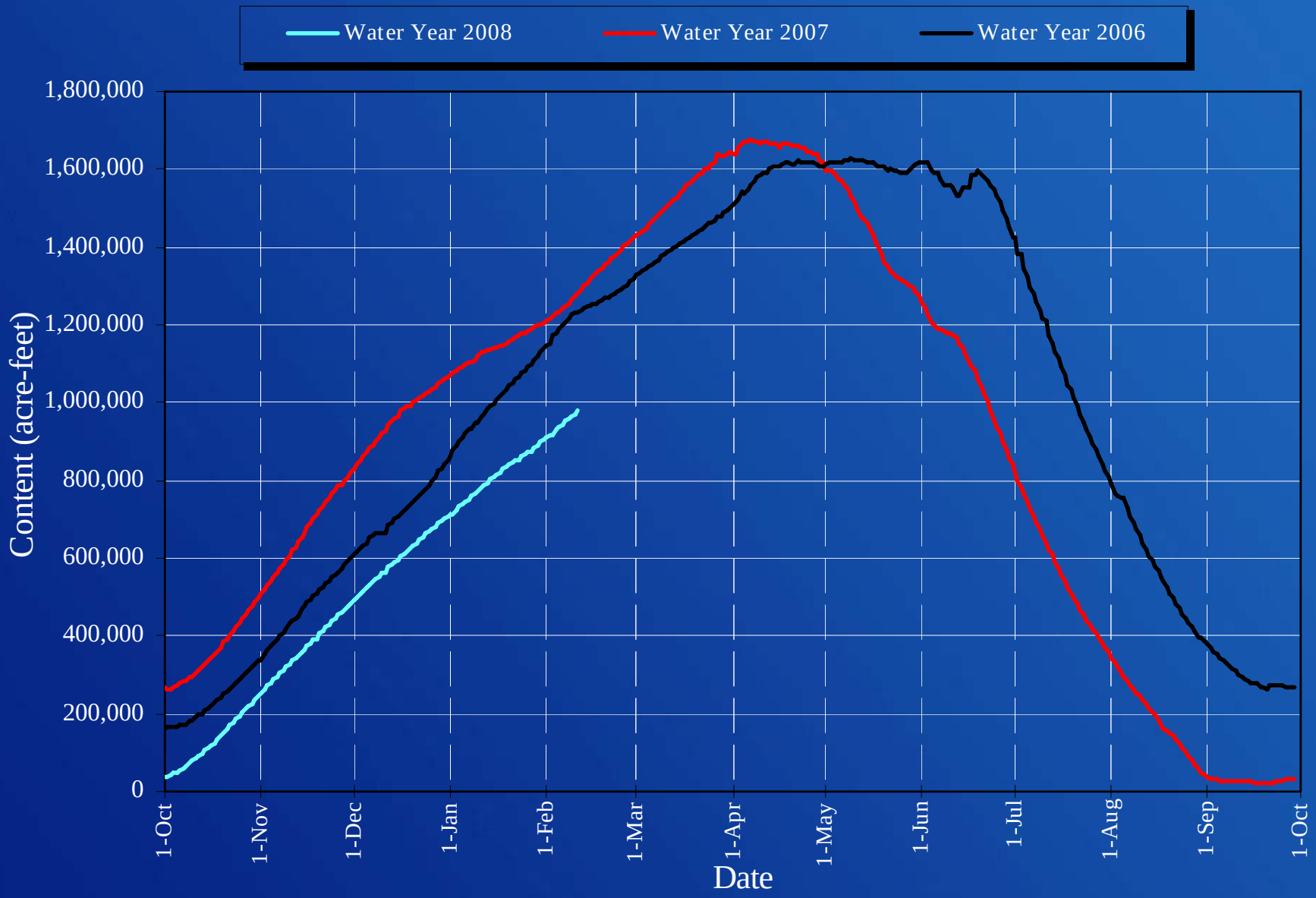
RECLAMATION

Island Park Reservoir

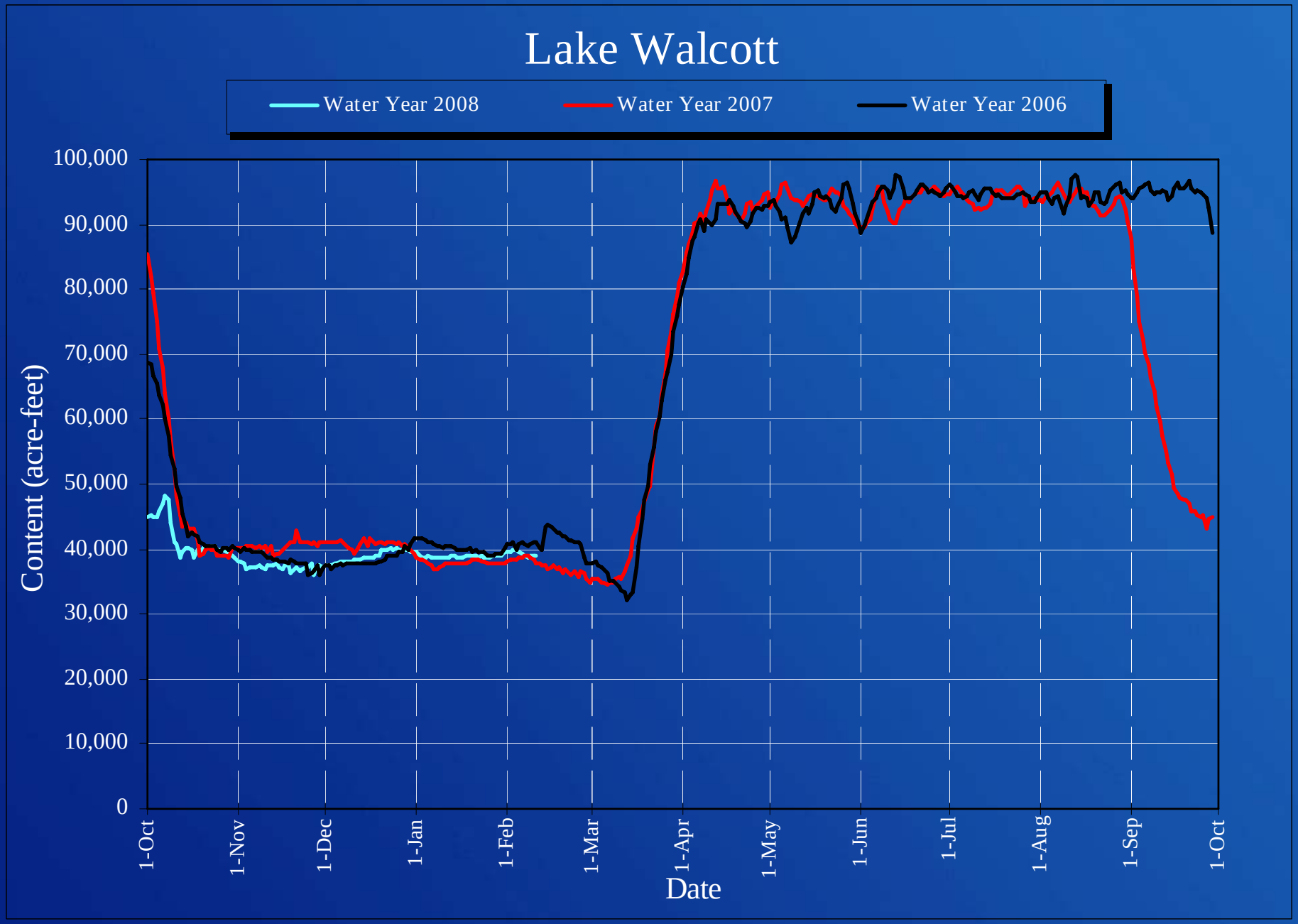


RECLAMATION

Americasn Falls Reservoir

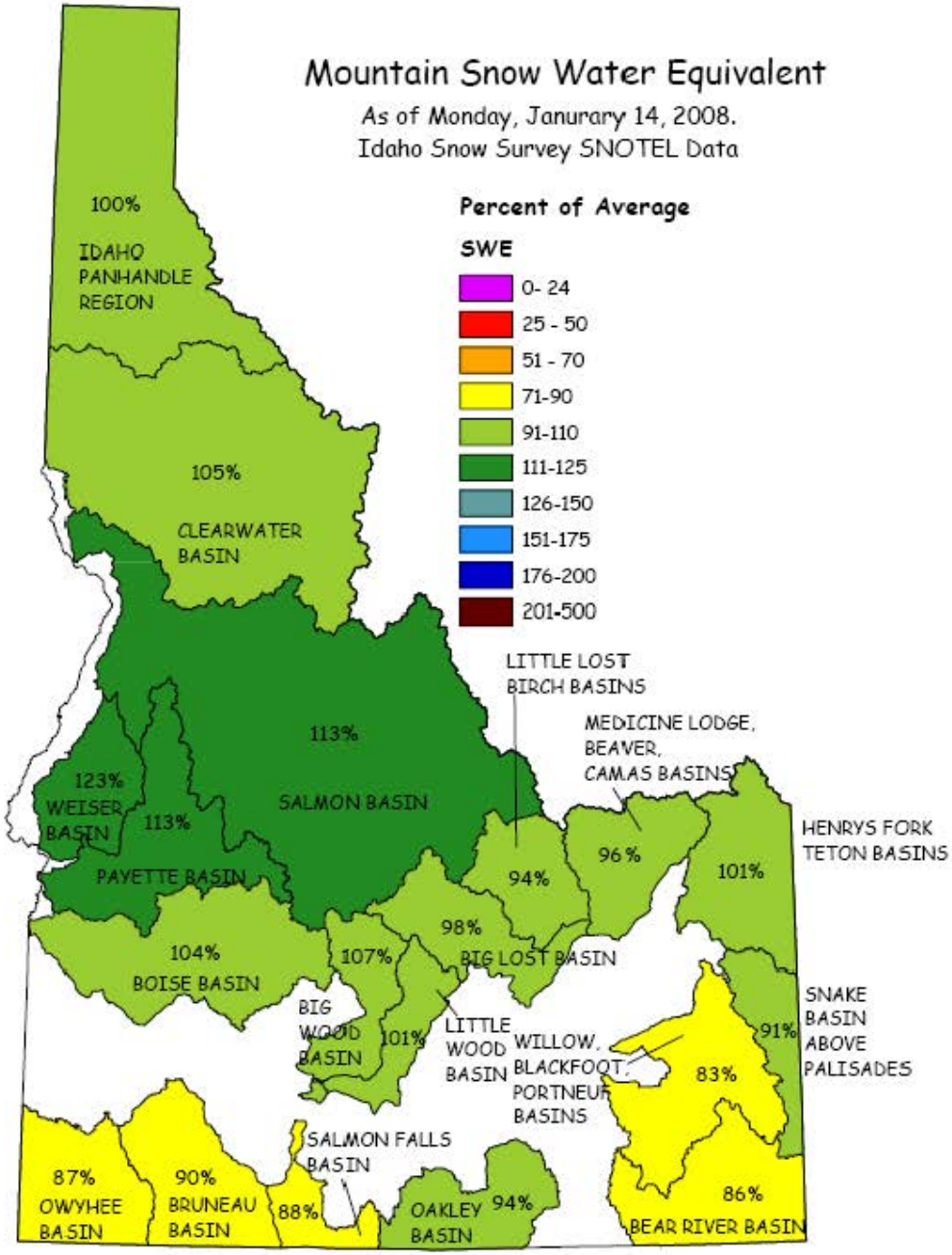


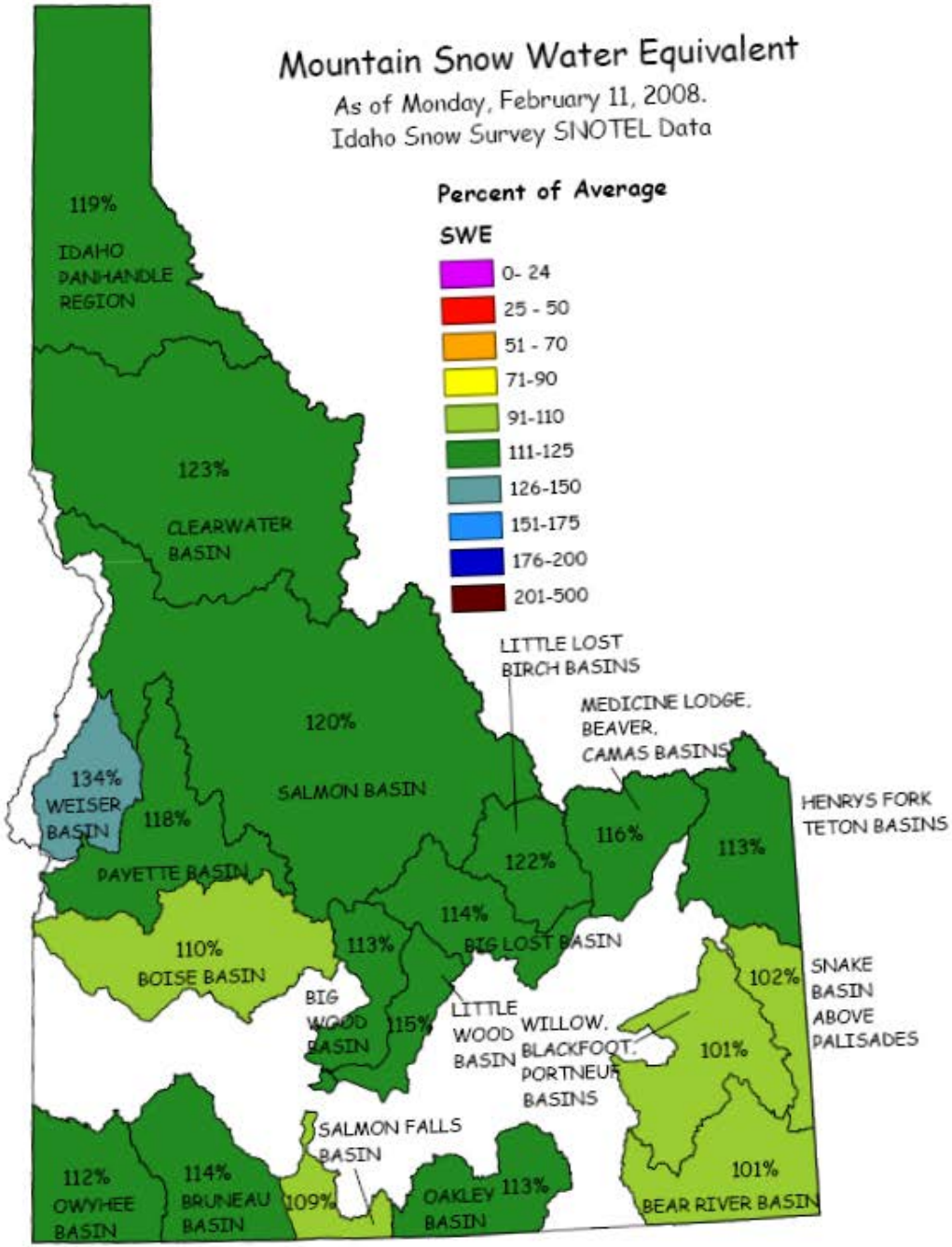
RECLAMATION

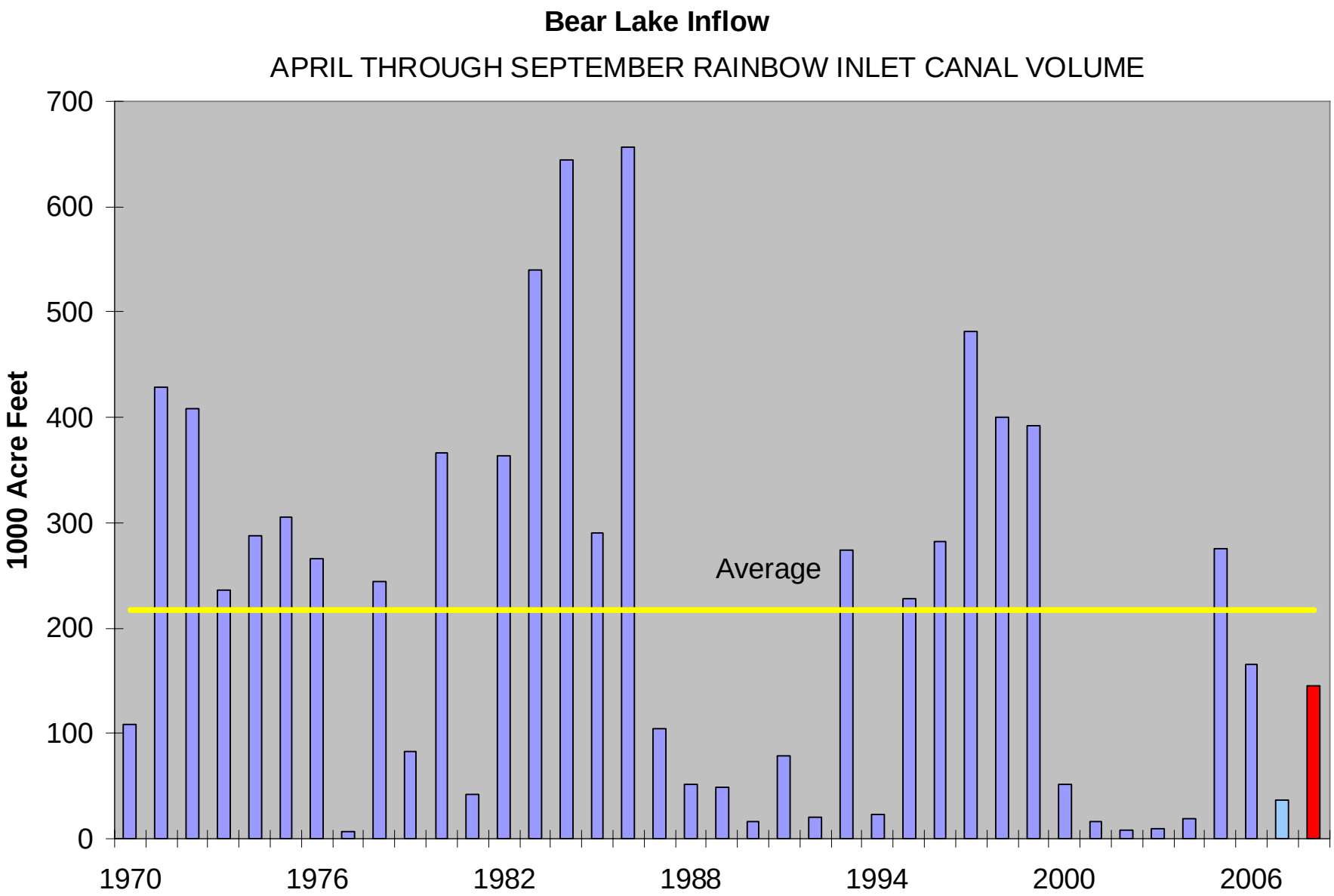


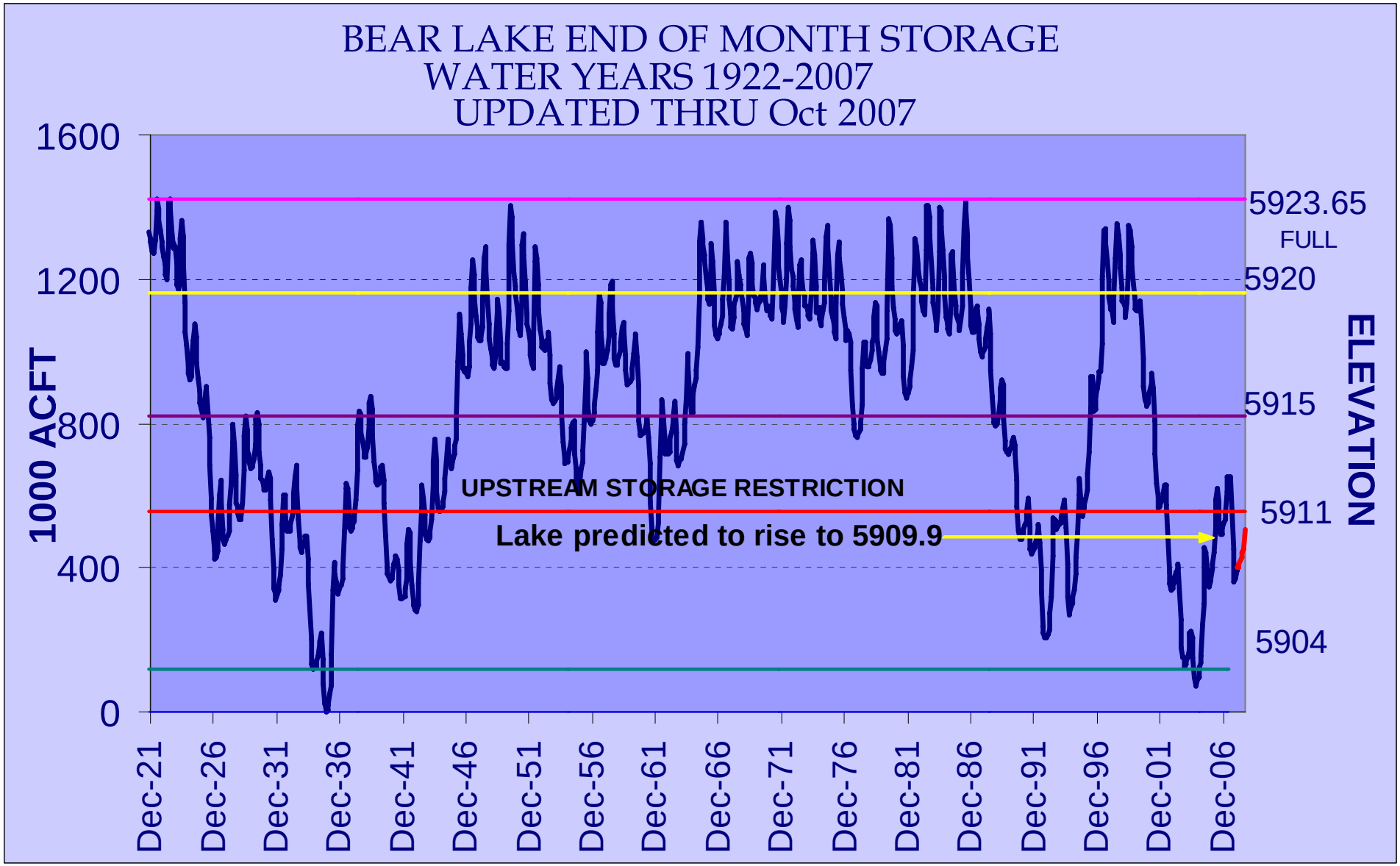
RECLAMATION

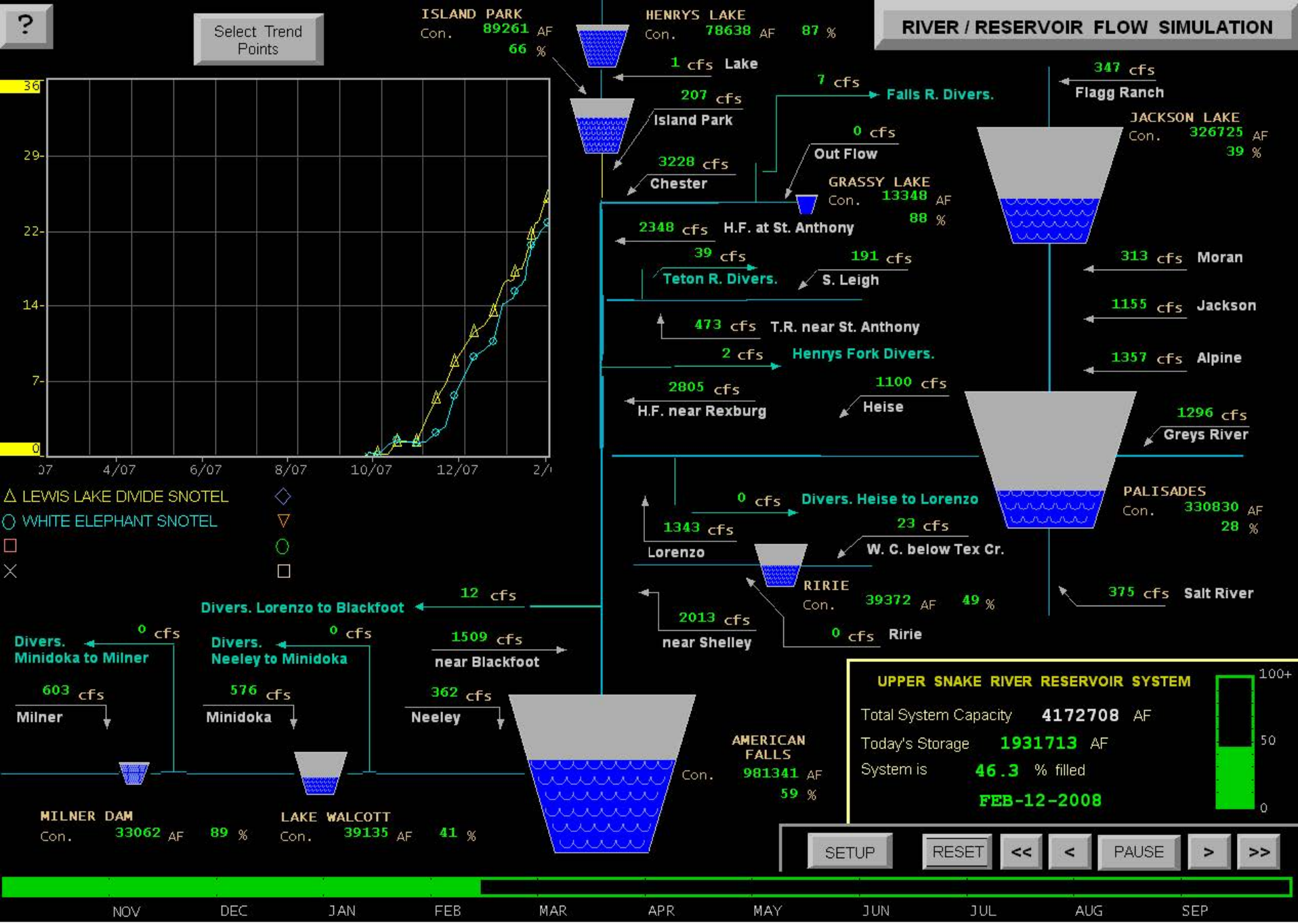
February 2008
Water Supply Committee

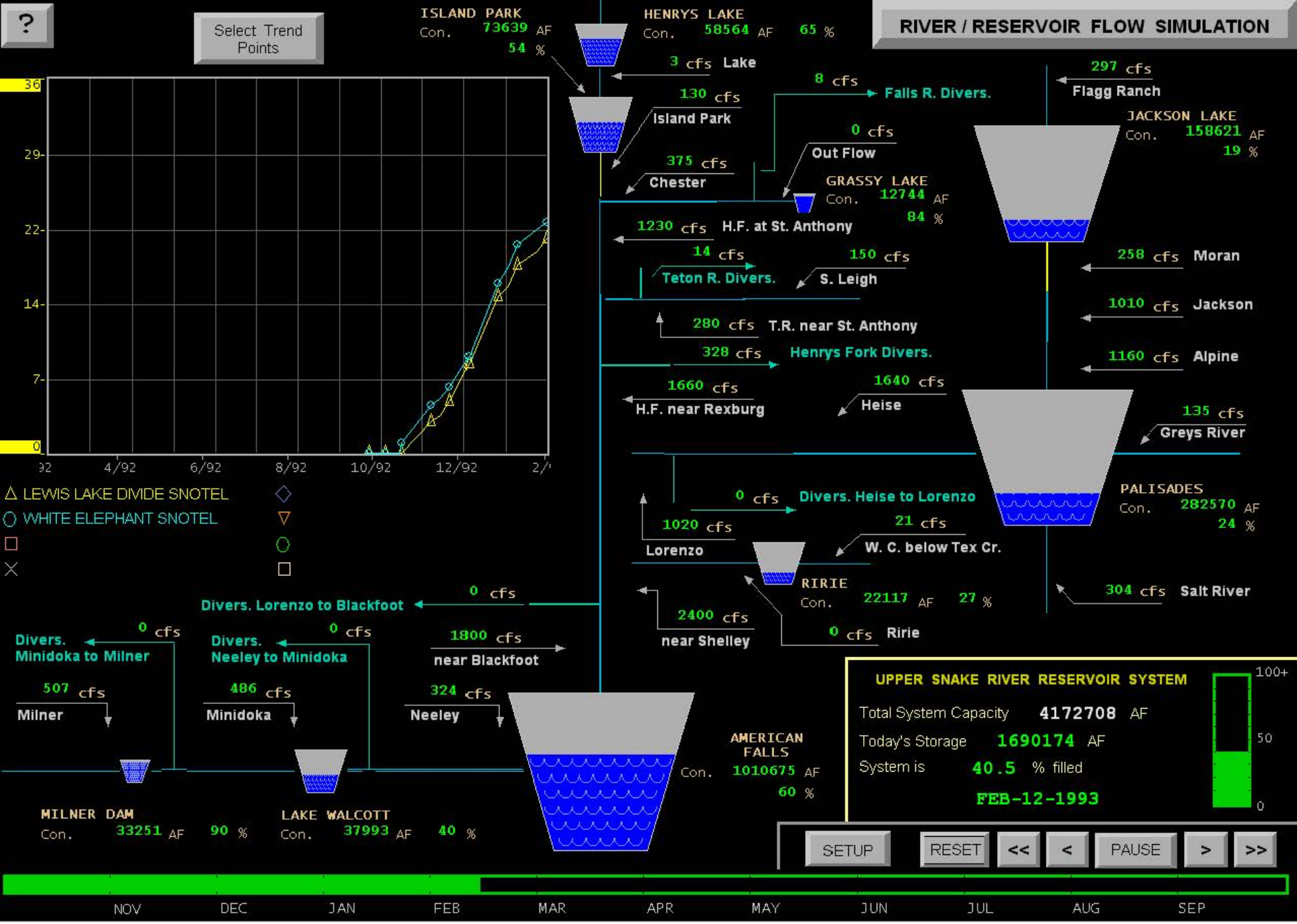

Mountain Snow Water Equivalent
As of Monday, Janurary 14, 2008.
Idaho Snow Survey SNOTEL Data
Percent of Average
SWE
0- 24
25 - 50
51 - 70
71-90
91-110
111-125
126-150
151-175
176-200
201-500
100%
IDAHO PANHANDLE REGION
105%
CLEARWATER BASIN
113%
SALMON BASIN
123%
WEISER BASIN
113%
PAYETTE BASIN
104%
BOISE BASIN
107%
BIG WOOD BASIN
101%
LITTLE WOOD BASIN
98%
BIG LOST BASIN
94%
LITTLE LOST BIRCH BASINS
96%
MEDICINE LODGE, BEAVER, CAMAS BASINS
101%
HENRYS FORK TETON BASINS
91%
SNAKE BASIN ABOVE PALISADES
83%
WILLOW, BLACKFOOT, PORTNEUF BASINS
86%
BEAR RIVER BASIN
87%
OWYHEE BASIN
90%
BRUNEAU BASIN
88%
SALMON FALLS BASIN
94%
OAKLEY BASIN

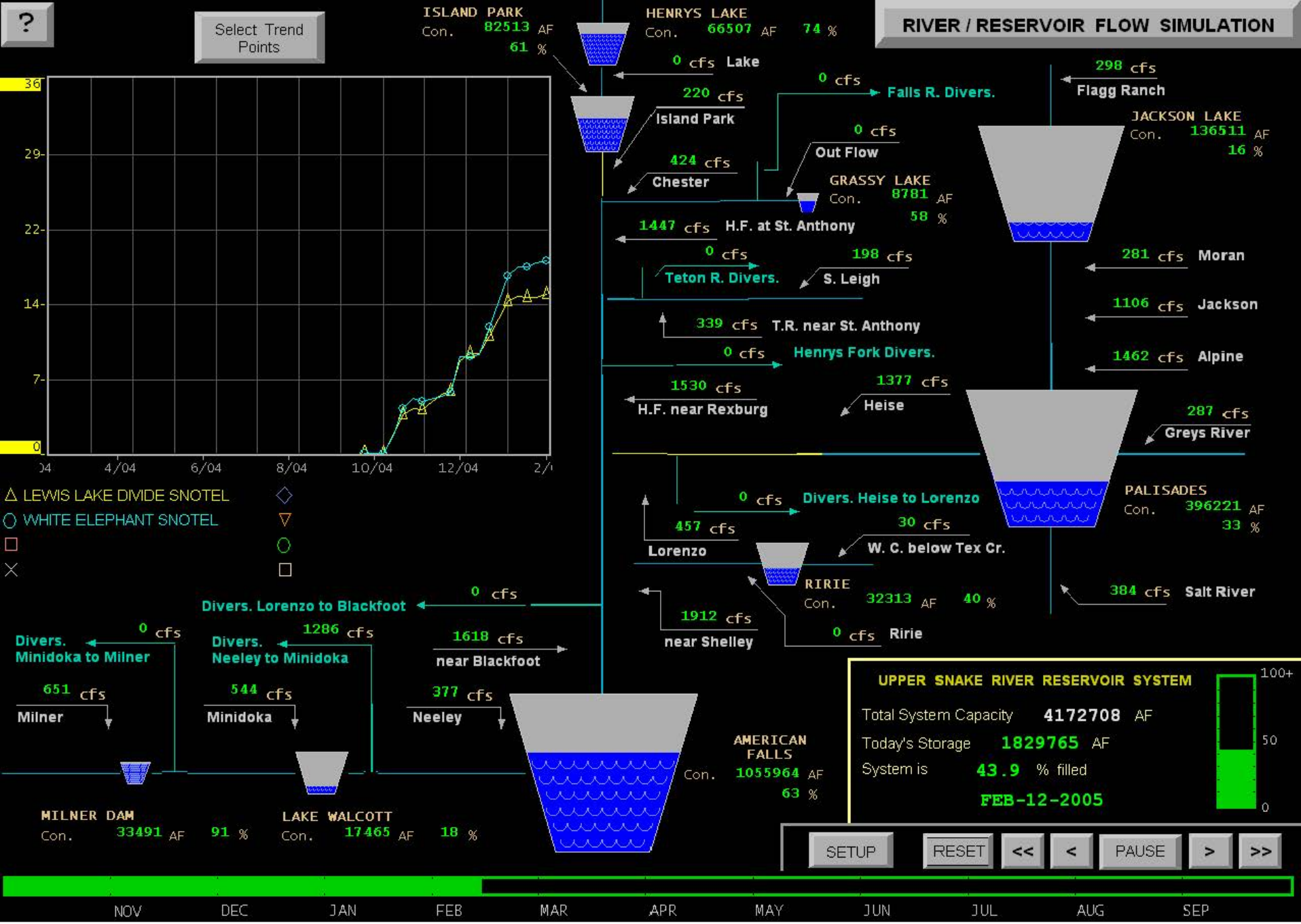

Mountain Snow Water Equivalent
As of Monday, February 11, 2008.
Idaho Snow Survey SNOTEL Data
Percent of Average
SWE
0- 24
25 - 50
51 - 70
71-90
91-110
111-125
126-150
151-175
176-200
201-500
119%
IDAHO PANHANDLE REGION
123%
CLEARWATER BASIN
120%
SALMON BASIN
134%
WEISER BASIN
118%
PAYETTE BASIN
110%
BOISE BASIN
113%
BIG WOOD BASIN
115%
LITTLE WOOD BASIN
114%
BIG LOST BASIN
122%
LITTLE LOST BIRCH BASINS
116%
MEDICINE LODGE, BEAVER, CAMAS BASINS
113%
HENRYS FORK TETON BASINS
102%
SNAKE BASIN ABOVE PALISADES
101%
WILLOW, BLACKFOOT, PORTNEUF BASINS
101%
BEAR RIVER BASIN
112%
OWYHEE BASIN
114%
BRUNEAU BASIN
109%
SALMON FALLS BASIN
113%
OAKLEY BASIN


Bear Lake Inflow
APRIL THROUGH SEPTEMBER RAINBOW INLET CANAL VOLUME
1000 Acre Feet
700
600
500
400
300
200
100
0
Average
1970
1976
1982
1988
1994
2000
2006


BEAR LAKE END OF MONTH STORAGE
WATER YEARS 1922-2007
UPDATED THRU Oct 2007
1000 ACFT
1600
1200
800
400
0
ELEVATION
5923.65
FULL
5920
5915
5911
5904
UPSTREAM STORAGE RESTRICTION
Lake predicted to rise to 5909.9
Dec-21
Dec-26
Dec-31
Dec-36
Dec-41
Dec-46
Dec-51
Dec-56
Dec-61
Dec-66
Dec-71
Dec-76
Dec-81
Dec-86
Dec-91
Dec-96
Dec-01
Dec-06


?
Select Trend Points
RIVER / RESERVOIR FLOW SIMULATION
ISLAND PARK
Con. 89261 AF
66 %
HENRYS LAKE
Con. 78638 AF 87 %
1 cfs Lake
207 cfs
Island Park
7 cfs
Falls R. Divers.
347 cfs
Flagg Ranch
JACKSON LAKE
Con. 326725 AF
39 %
0 cfs
Out Flow
3228 cfs
Chester
GRASSY LAKE
Con. 13348 AF
88 %
2348 cfs H.F. at St. Anthony
39 cfs
Teton R. Divers.
191 cfs
S. Leigh
313 cfs Moran
1155 cfs Jackson
473 cfs T.R. near St. Anthony
2 cfs Henrys Fork Divers.
1357 cfs Alpine
2805 cfs
H.F. near Rexburg
1100 cfs
Heise
1296 cfs
Greys River
PALISADES
Con. 330830 AF
28 %
0 cfs Divers. Heise to Lorenzo
1343 cfs
Lorenzo
23 cfs
W. C. below Tex Cr.
RIRIE
Con. 39372 AF 49 %
375 cfs Salt River
12 cfs
Divers. Lorenzo to Blackfoot
2013 cfs
near Shelley
0 cfs Ririe
Divers.
Minidoka to Milner
0 cfs
Divers.
Neeley to Minidoka
0 cfs
1509 cfs
near Blackfoot
603 cfs
Milner
576 cfs
Minidoka
362 cfs
Neeley
AMERICAN FALLS
Con. 981341 AF
59 %
MILNER DAM
Con. 33062 AF 89 %
LAKE WALCOTT
Con. 39135 AF 41 %
36
29
22
14
7
0
4/07
6/07
8/07
10/07
12/07
LEWIS LAKE DIVIDE SNOTEL
WHITE ELEPHANT SNOTEL
UPPER SNAKE RIVER RESERVOIR SYSTEM
Total System Capacity 4172708 AF
Today's Storage 1931713 AF
System is 46.3 % filled
FEB-12-2008
100+
50
0
SETUP
RESET
<<
<
PAUSE
>
>>
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP


?
Select Trend Points
RIVER / RESERVOIR FLOW SIMULATION
ISLAND PARK
Con. 73639 AF
54 %
HENRYS LAKE
Con. 58564 AF 65 %
3 cfs Lake
130 cfs Island Park
8 cfs Falls R. Divers.
297 cfs Flagg Ranch
JACKSON LAKE
Con. 158621 AF
19 %
0 cfs Out Flow
375 cfs Chester
GRASSY LAKE
Con. 12744 AF
84 %
1230 cfs H.F. at St. Anthony
14 cfs Teton R. Divers.
150 cfs S. Leigh
258 cfs Moran
1010 cfs Jackson
280 cfs T.R. near St. Anthony
328 cfs Henrys Fork Divers.
1160 cfs Alpine
1660 cfs H.F. near Rexburg
1640 cfs Heise
135 cfs Greys River
PALISADES
Con. 282570 AF
24 %
0 cfs Divers. Heise to Lorenzo
1020 cfs Lorenzo
21 cfs W. C. below Tex Cr.
RIRIE
Con. 22117 AF 27 %
304 cfs Salt River
2400 cfs near Shelley
0 cfs Ririe
0 cfs Divers. Lorenzo to Blackfoot
Divers. Minidoka to Milner
0 cfs
Divers. Neeley to Minidoka
0 cfs
1800 cfs near Blackfoot
507 cfs Milner
486 cfs Minidoka
324 cfs Neeley
AMERICAN FALLS
Con. 1010675 AF
60 %
MILNER DAM
Con. 33251 AF 90 %
LAKE WALCOTT
Con. 37993 AF 40 %
UPPER SNAKE RIVER RESERVOIR SYSTEM
Total System Capacity 4172708 AF
Today's Storage 1690174 AF
System is 40.5 % filled
FEB-12-1993
100+
50
0
SETUP
RESET
<<
<
PAUSE
>
>>
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
30
29
22
14
7
0
4/92
6/92
8/92
10/92
12/92
LEWIS LAKE DIVIDE SNOTEL
WHITE ELEPHANT SNOTEL


?
Select Trend Points
RIVER / RESERVOIR FLOW SIMULATION
ISLAND PARK
Con. 82513 AF
61 %
HENRYS LAKE
Con. 66507 AF 74 %
0 cfs Lake
220 cfs
Island Park
0 cfs
Falls R. Divers.
298 cfs
Flagg Ranch
JACKSON LAKE
Con. 136511 AF
16 %
0 cfs
Out Flow
424 cfs
Chester
GRASSY LAKE
Con. 8781 AF
58 %
1447 cfs H.F. at St. Anthony
0 cfs
Teton R. Divers.
198 cfs
S. Leigh
281 cfs Moran
1106 cfs Jackson
339 cfs T.R. near St. Anthony
0 cfs Henrys Fork Divers.
1462 cfs Alpine
1530 cfs
H.F. near Rexburg
1377 cfs
Heise
287 cfs
Greys River
PALISADES
Con. 396221 AF
33 %
0 cfs Divers. Heise to Lorenzo
457 cfs
Lorenzo
30 cfs
W. C. below Tex Cr.
RIRIE
Con. 32313 AF 40 %
384 cfs Salt River
1912 cfs
near Shelley
0 cfs Ririe
0 cfs
Divers. Lorenzo to Blackfoot
0 cfs
Divers.
Minidoka to Milner
1286 cfs
Divers.
Neeley to Minidoka
1618 cfs
near Blackfoot
651 cfs
Milner
544 cfs
Minidoka
377 cfs
Neeley
AMERICAN FALLS
Con. 1055964 AF
63 %
MILNER DAM
Con. 33491 AF 91 %
LAKE WALCOTT
Con. 17465 AF 18 %
UPPER SNAKE RIVER RESERVOIR SYSTEM
Total System Capacity 4172708 AF
Today's Storage 1829765 AF
System is 43.9 % filled
FEB-12-2005
100+
50
0
SETUP
RESET
<<
<
PAUSE
>
>>
NOV
DEC
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
36
29
22
14
7
0
4/04
6/04
8/04
10/04
12/04
LEWIS LAKE DIVIDE SNOTEL
WHITE ELEPHANT SNOTEL

% of Normal Runoff	Comparable year	Heise Apr-Jul Runoff (1000 ac-ft)	Surface Water Supply Shortfall (ac-ft)	Acres Curtailed	Ground Water Right Priority Date Cut
105	2006	3,621	0	0	none
95	*1993 or 2005**	3,380	< 30,000	> 0 ?	?
66	2007	1,923	486,000	482,449	19-Sep-60
48	1977	1,177	720,000	703,074	4-Sep-50
	* 2005 had 74% of normal runoff, but storage supplies are comparable to this year on this date.				