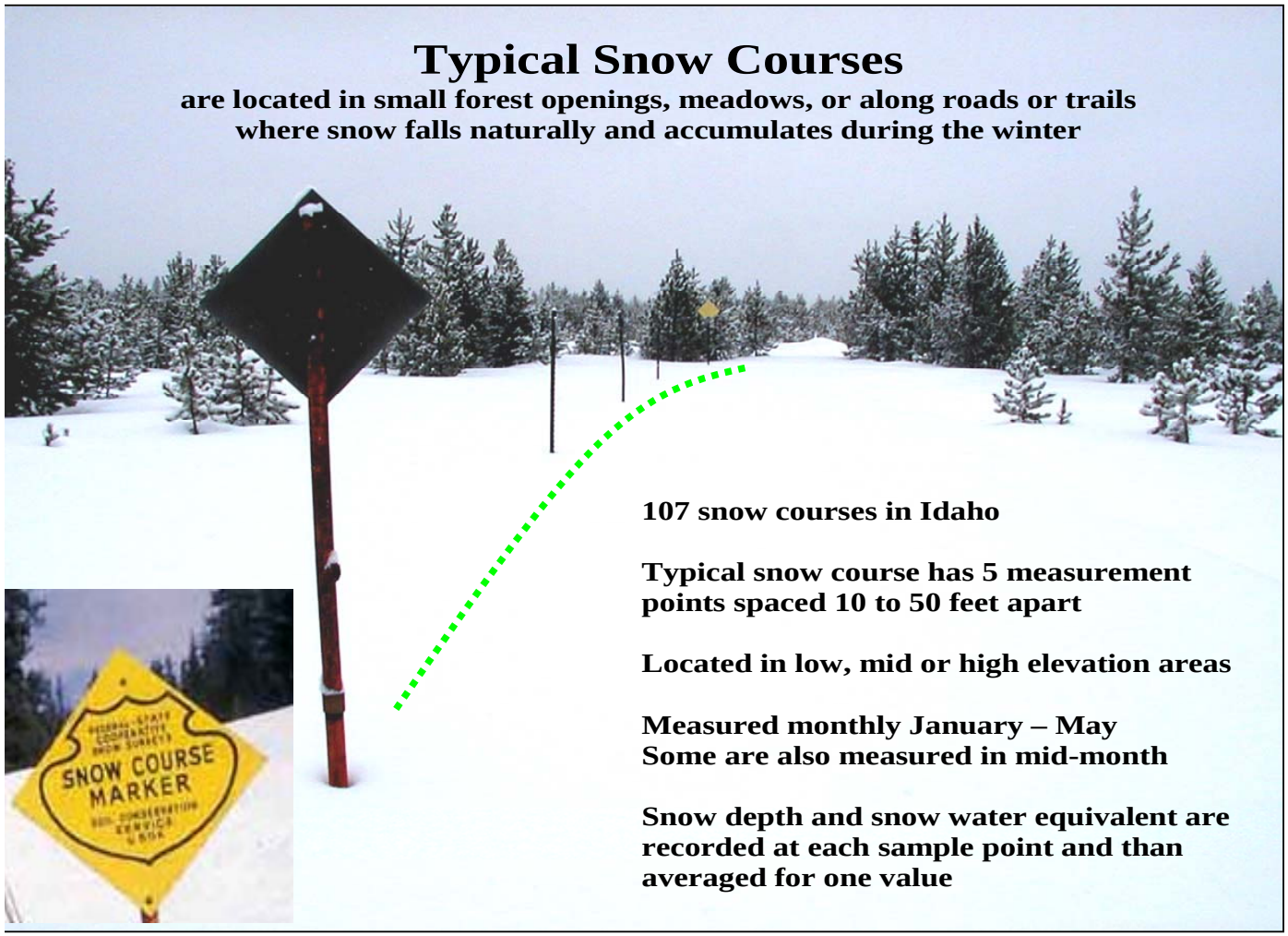
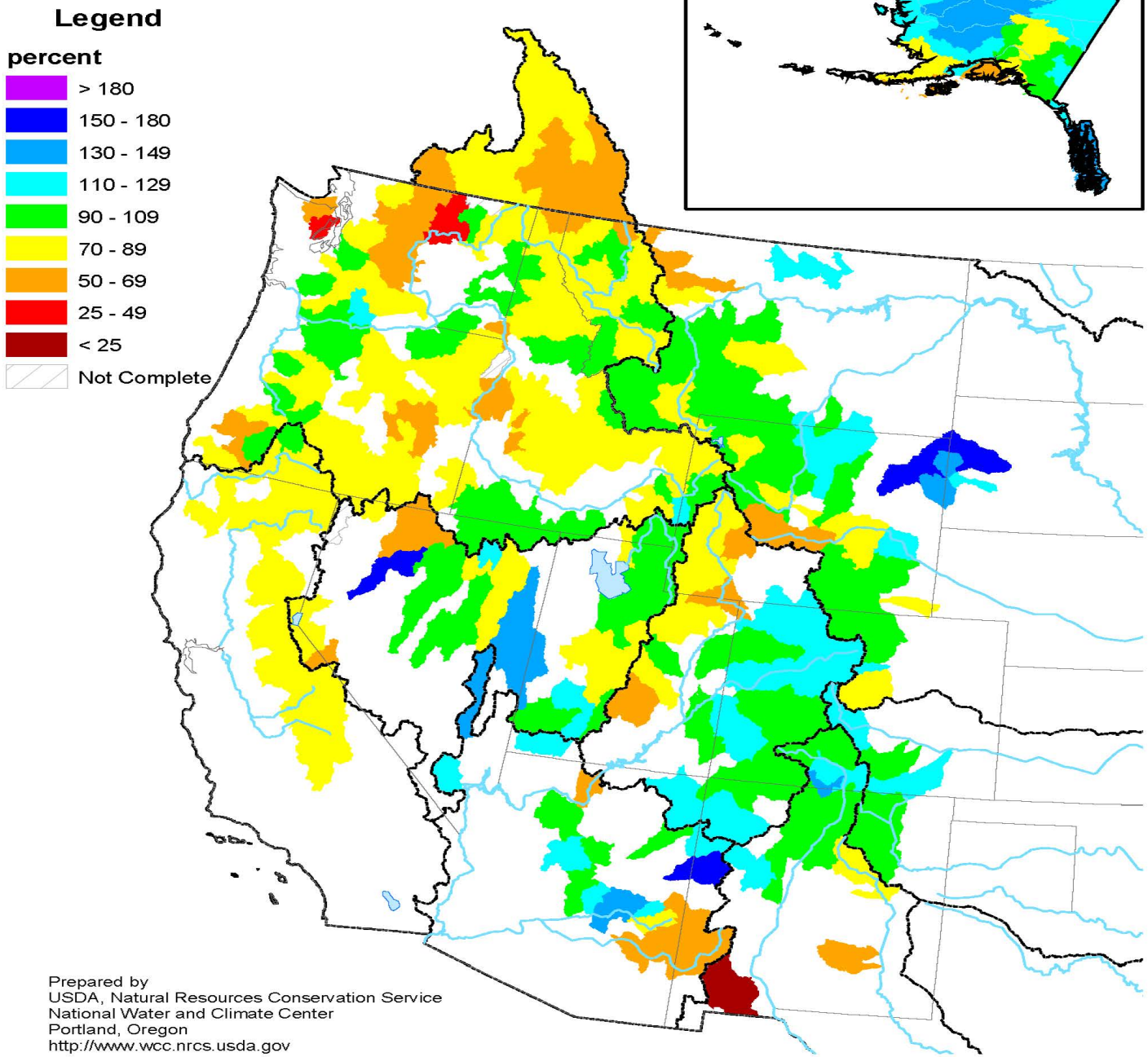
United States Department of Agriculture
Natural Resources Conservation Service

Idaho Water Supply Outlook Report
March 1, 2009

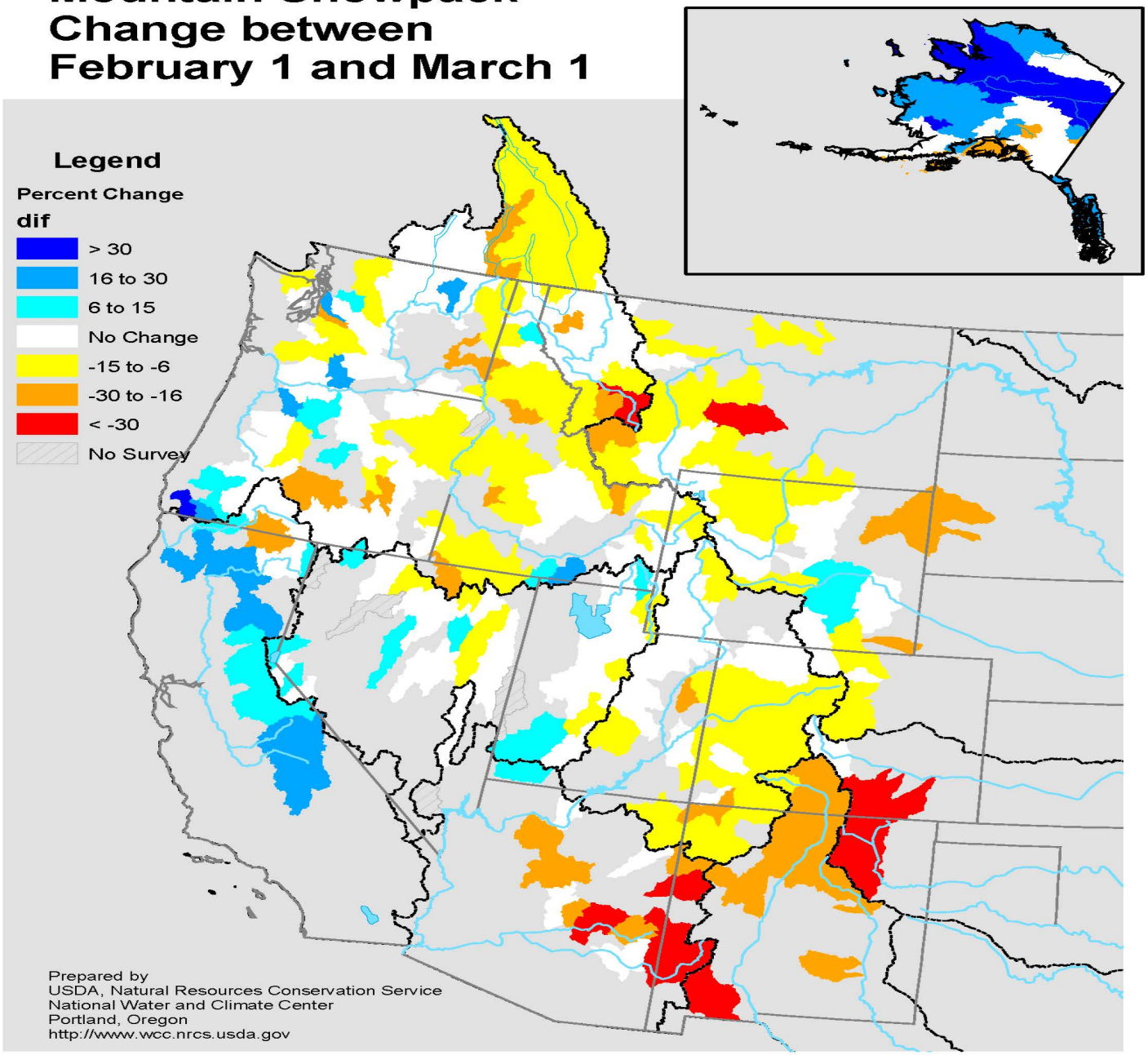


Mountain Snowpack as of March 1, 2009

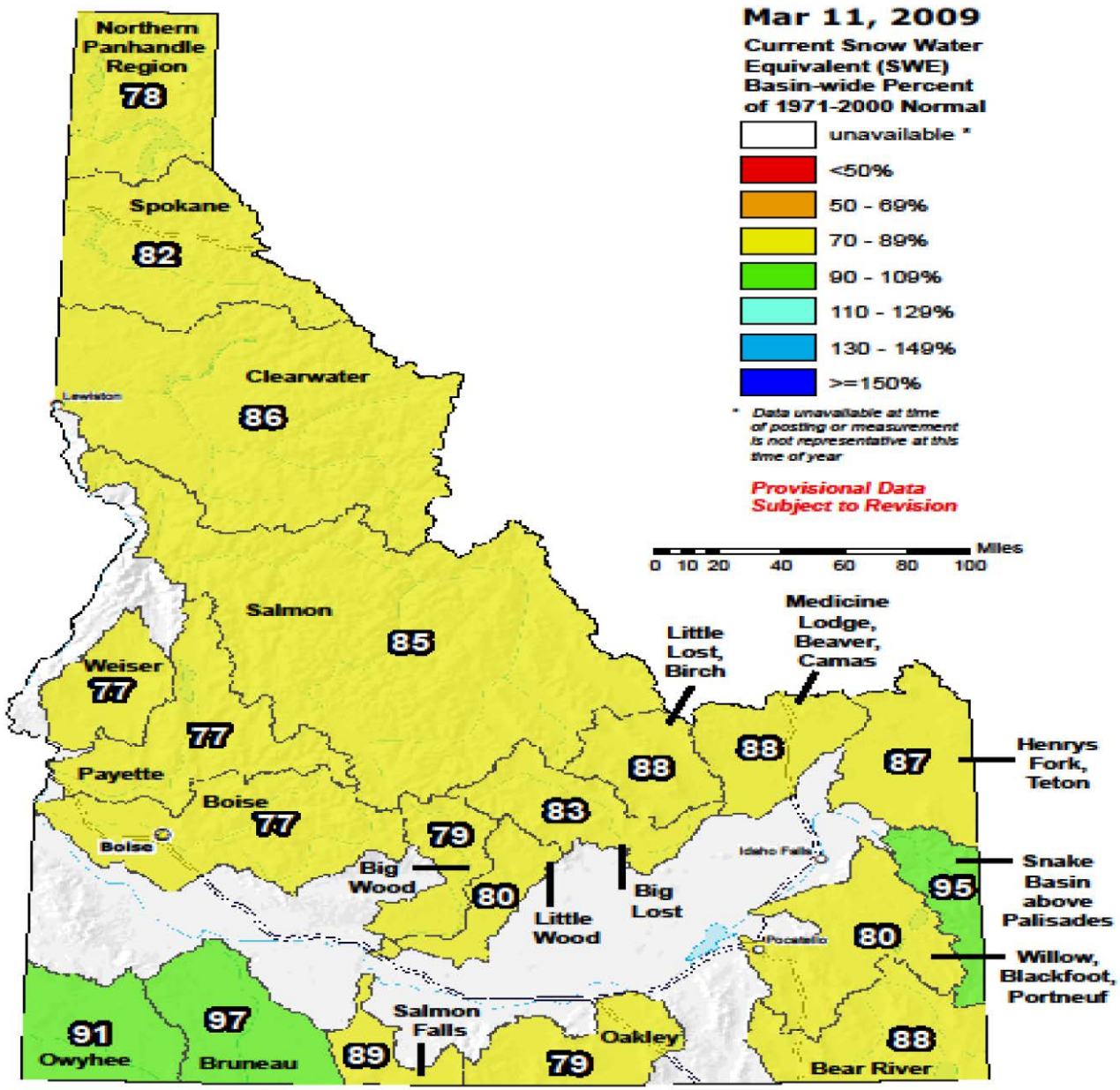


Prepared by
USDA, Natural Resources Conservation Service
National Water and Climate Center
Portland, Oregon
http://www.wcc.nrcs.usda.gov

Mountain Snowpack Change between February 1 and March 1



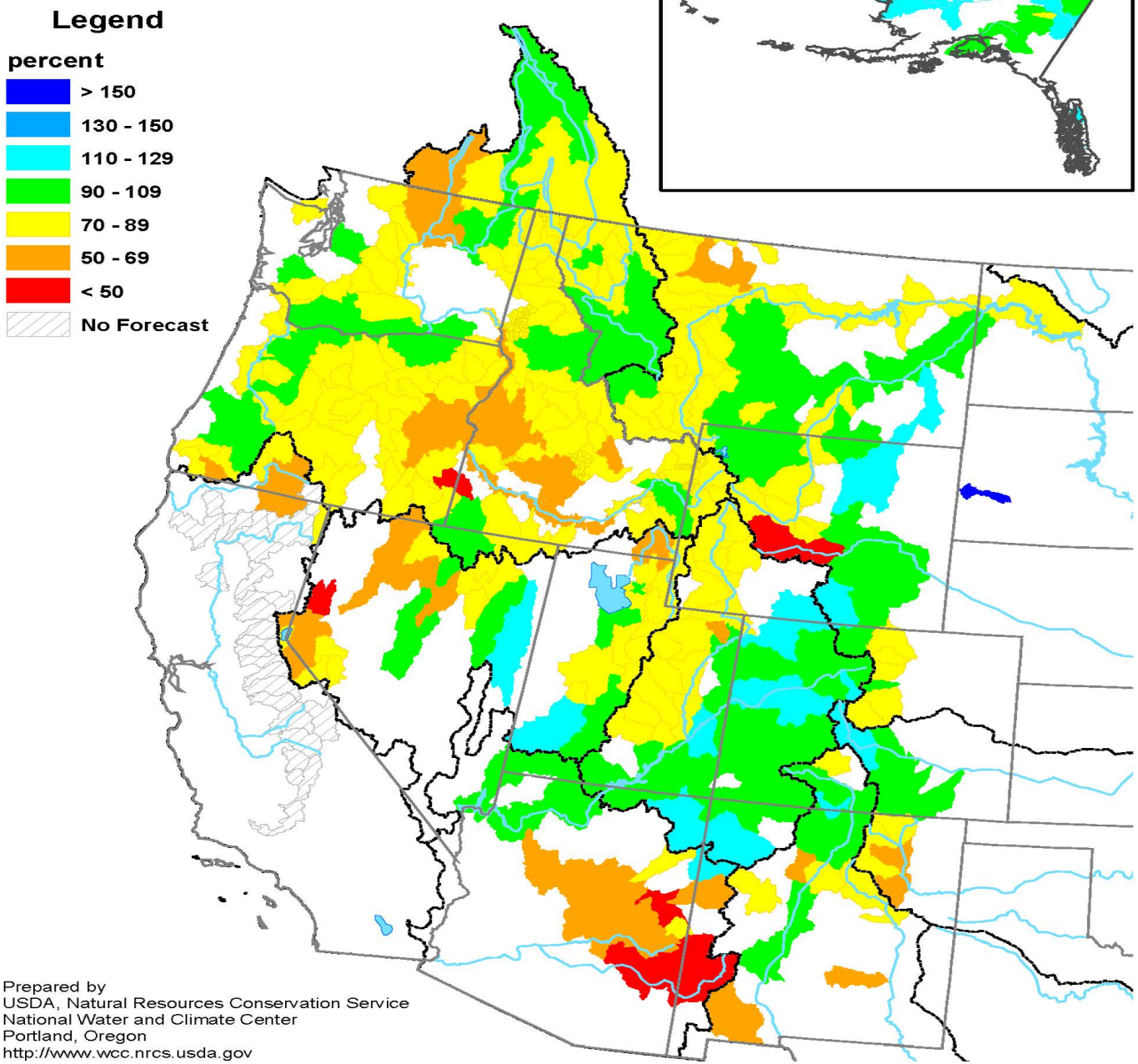
Idaho SNOTEL Current Snow Water Equivalent (SWE) % of Normal



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).

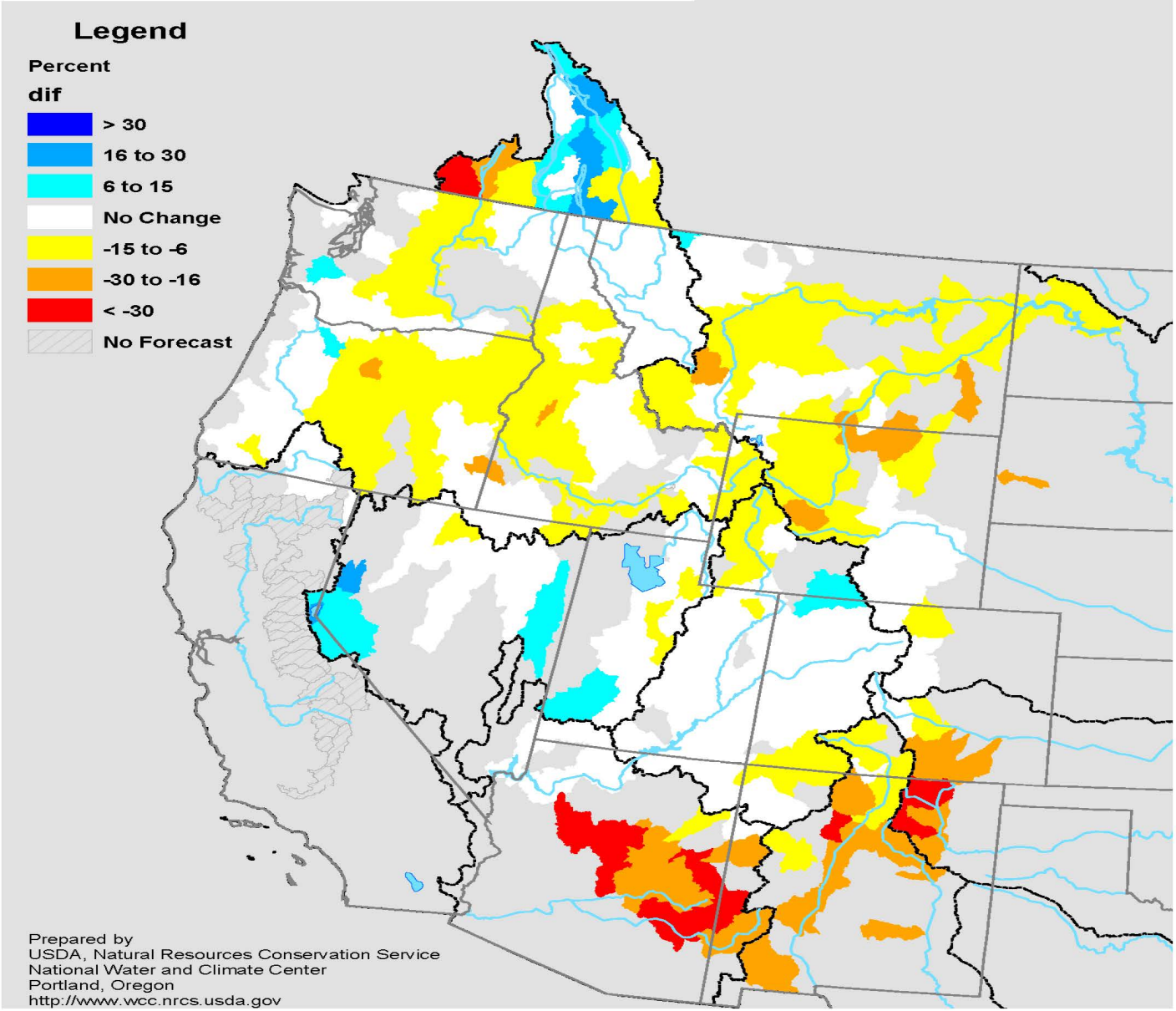
Prepared by the USDA/NRCS National Water and Climate Center
Portland, Oregon http://www.wcc.nrcs.usda.gov/gis/
Based on data from http://www.wcc.nrcs.usda.gov/reports/
Science contact: Tom.Pagano@por.usda.gov 503 414 3010

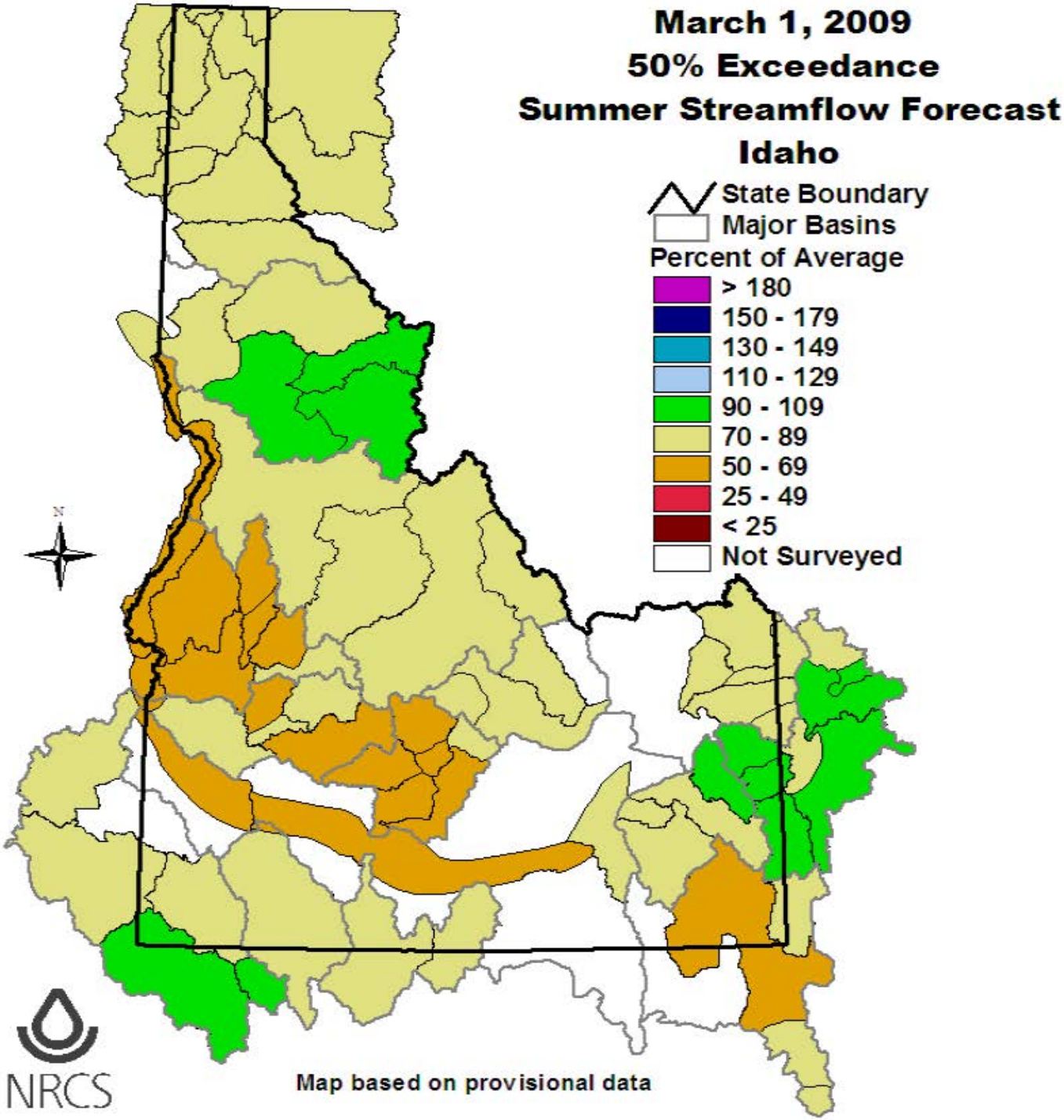
Spring and Summer Streamflow Forecasts as of March 1, 2009



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

Change in Spring and Summer Streamflow Forecasts from February 1 to March 1, 2009




March 1, 2009
50% Exceedance
Summer Streamflow Forecast
Idaho
State Boundary
Major Basins
Percent of Average
> 180
150 - 179
130 - 149
110 - 129
90 - 109
70 - 89
50 - 69
25 - 49
< 25
Not Surveyed
N
NRCS
Map based on provisional data

SNOTEL Precipitation Summary Report

Region or Basin	Water Year to Date Precipitation (Oct 1 - March 11) as % of Average	February Precipitation as % of Average	March 1-11 Precipitation as % of Monthly Total
NORTHERN PANHANDLE REGION	78	55	51
SPOKANE BASIN	82	66	46
CLEARWATER BASIN	87	52	36
SALMON BASIN	85	50	42
WEISER BASIN	77	56	52
PAYETTE BASIN	77	49	41
BOISE BASIN	77	53	43
BIG WOOD BASIN	79	60	34
LITTLE WOOD BASIN	80	71	27
BIG LOST BASIN	83	75	43
LITTLE LOST, BIRCH BASINS	88	64	47
HENRYS FORK, TETON BASINS	86	59	45
SNAKE BASIN ABOVE PALISADES	94	69	33
WILLOW, BLACKFOOT, PORTNEUF BASINS	80	80	20
SNAKE BASIN ABOVE AMERICAN FALLS	90	69	36
OAKLEY BASIN	79	78	20
SALMON FALLS BASIN	89	78	21
BRUNEAU BASIN	97	72	22
OWYHEE BASIN	91	66	36
BEAR RIVER BASIN	88	88	26

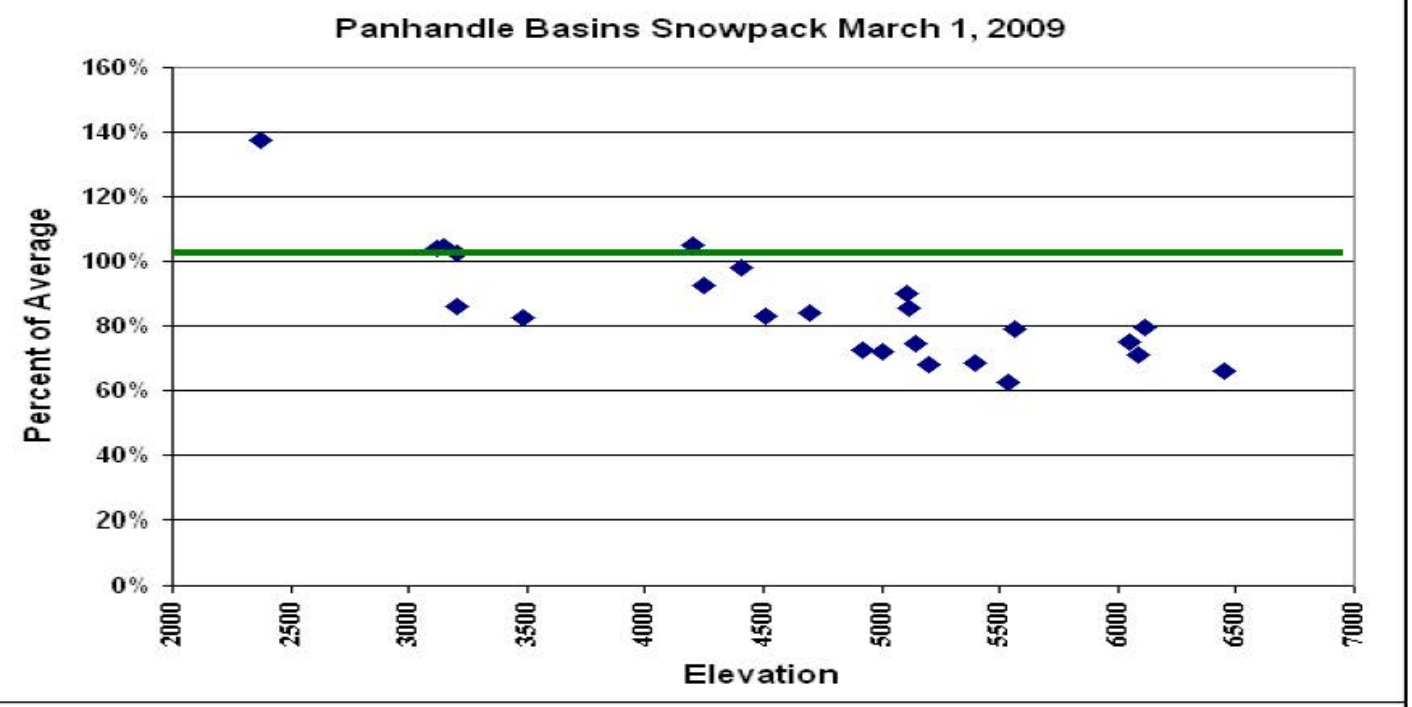
IDAHO RESERVOIR STORAGE Usable Contents		
Reservoir (s)	Percent of Average February 28, 2008	Percent of Average February 28, 2009
Magic	27	33
Salmon Falls	54	40
Bear Lake	41	42
Blackfoot	40	43
Owyhee	44	48
Coeur d' Alene	38	62
Oakley	85	66
Little Wood	59	75
Mackay	83	86
Dworshak	101	102
Boise (3)	82	103
Payette (2)	106	104
Palisades & Jackson (2)	59	108
American Falls	86	111

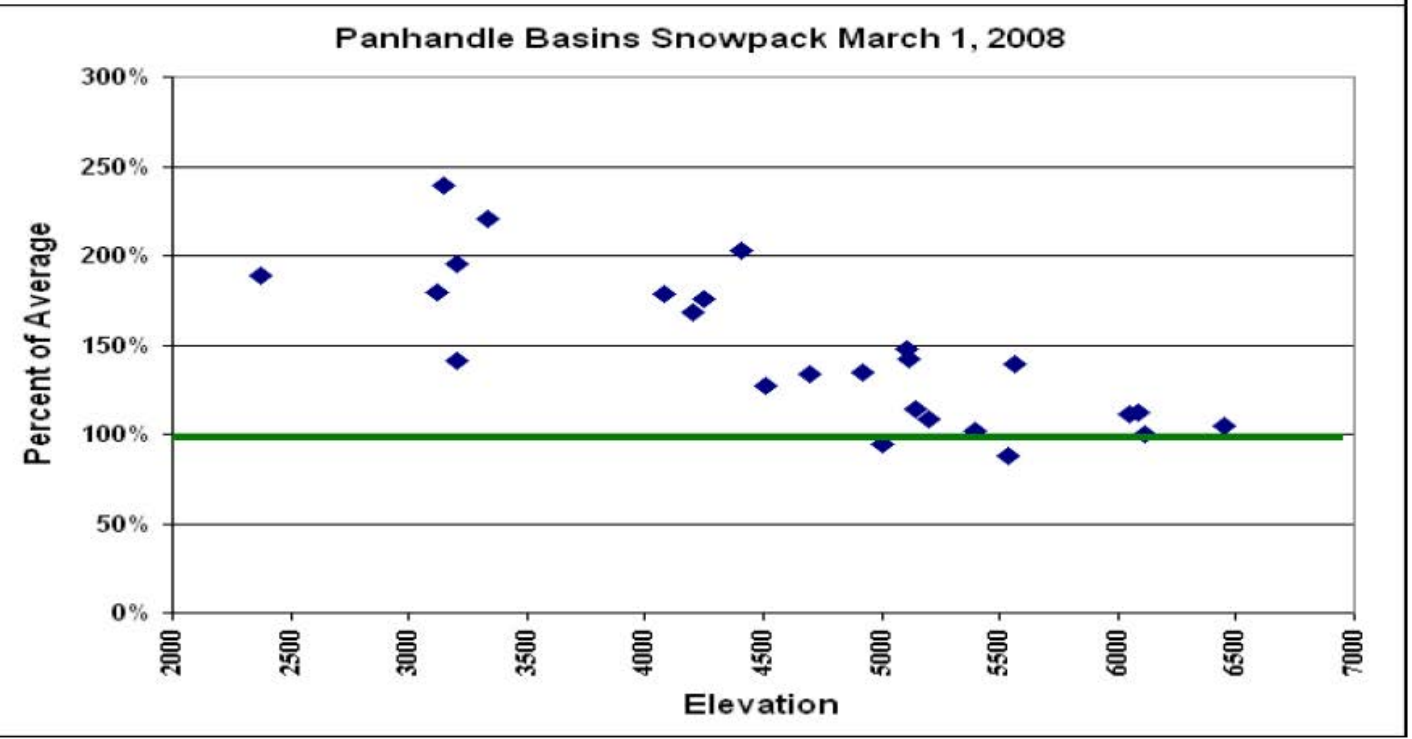
2009 Idaho Surface Water Supply Index (SWSI)
For February 2009

BASIN or/ REGION	February SWSI Value	February SWSI Value Based on 70% Exceedance Forecast	Agricultural Surface Water Supply Shortage May Occur When SWSI is Less Than
PANHANDLE	-1.9		NA
CLEARWATER	-0.3	------	NA
SALMON	-0.4	-1.3	NA
WEISER	-1.7	-2.4	NA
PAYETTE	-1.9	-2.4	NA
BOISE	-1.1	-1.7	-1.7
BIG WOOD	-1.3	-1.9	-0.4
LITTLE WOOD	-0.6	-1.5	-2.0
BIG LOST	-0.9	-1.7	-0.1
LITTLE LOST	-1.9	-2.6	0.5
HENRYS FORK	-1.2	-1.9	-3.3
SNAKE – HEISE	0.6	0.0	-1.7
OWYHEE	-1.3	-3.2	NA
OAKLEY	-1.1	-1.9	-0.9
SALMON FALLS	-1.7	-1.9	-1.3
BRUNEAU	-0.6	-0.9	NA
BEAR RIVER	-2.7	-2.8	-3.0

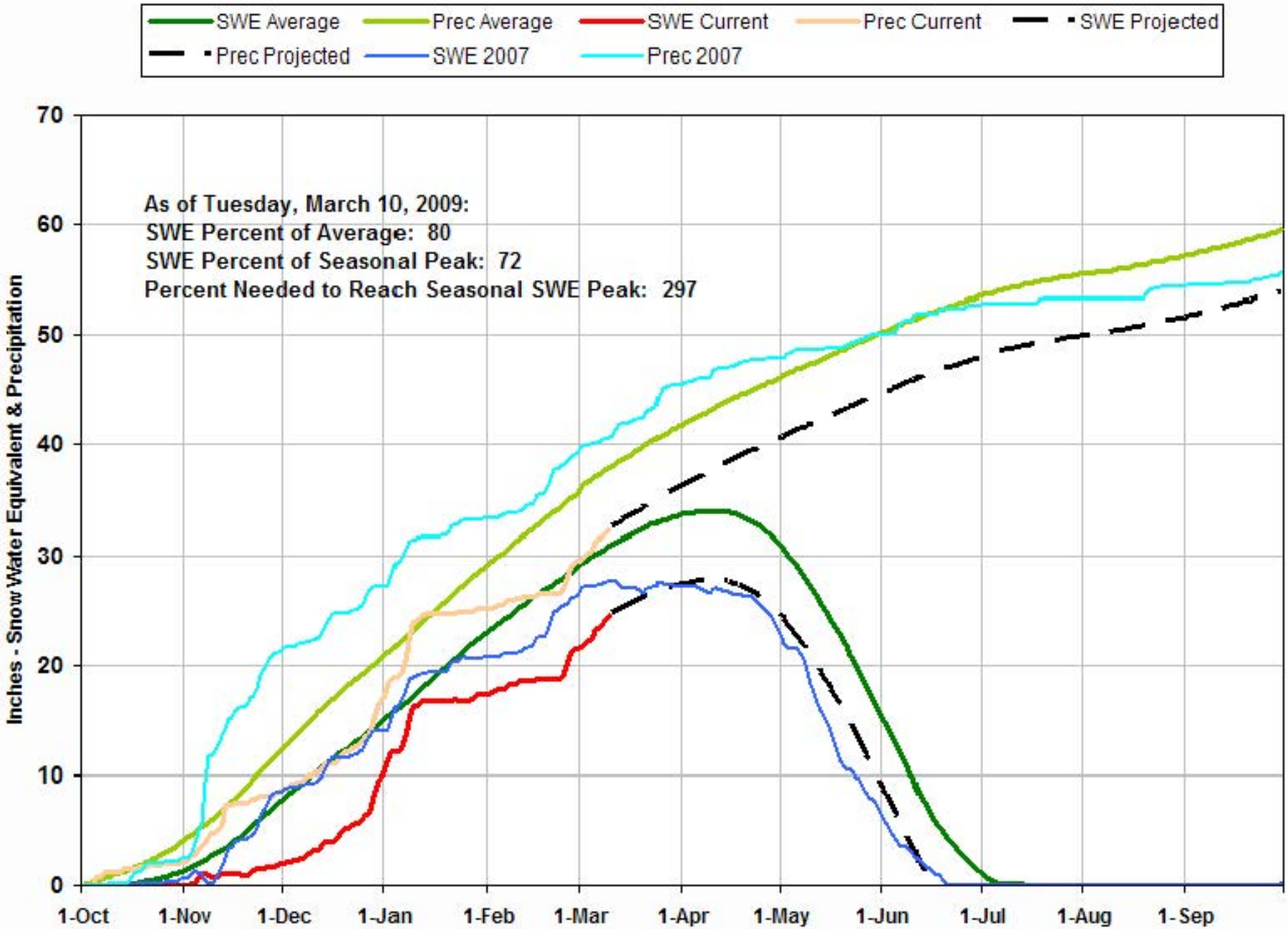
SWSI SCALE, PERCENT CHANCE OF EXCEEDANCE, AND INTERPRETATION

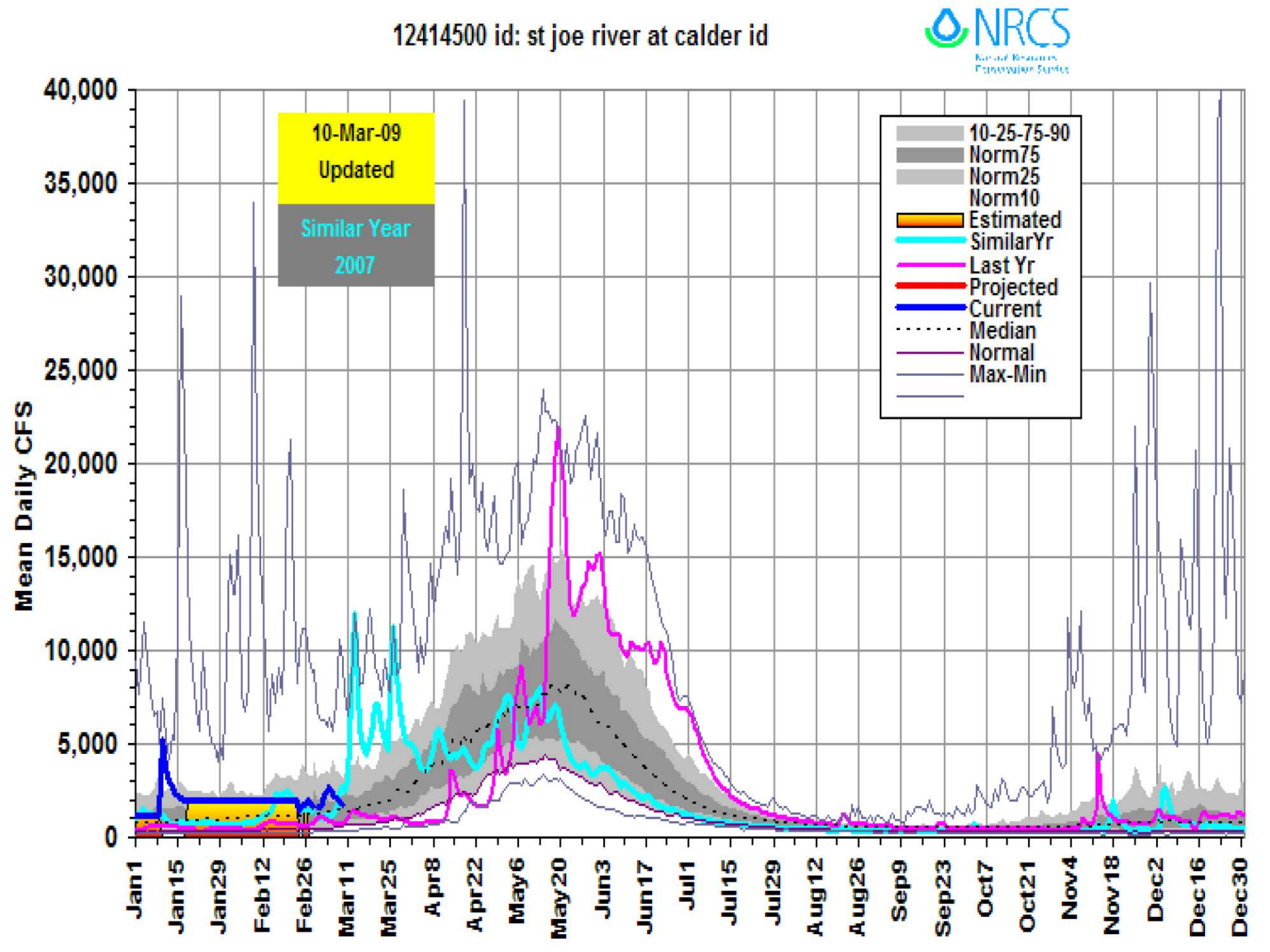
```
-4     -3     -2     -1      0      1      2      3      4
 |------|------|------|------|------|------|------|------|
99%    87%    75%    63%    50%    37%    25%    13%    1%
 -------------------------------------------------------
 |Much  | Below    |    Near Normal     |  Above  | Much |
 |Below | Normal   |   Water Supply     |  Normal | Above|
 -------------------------------------------------------
```

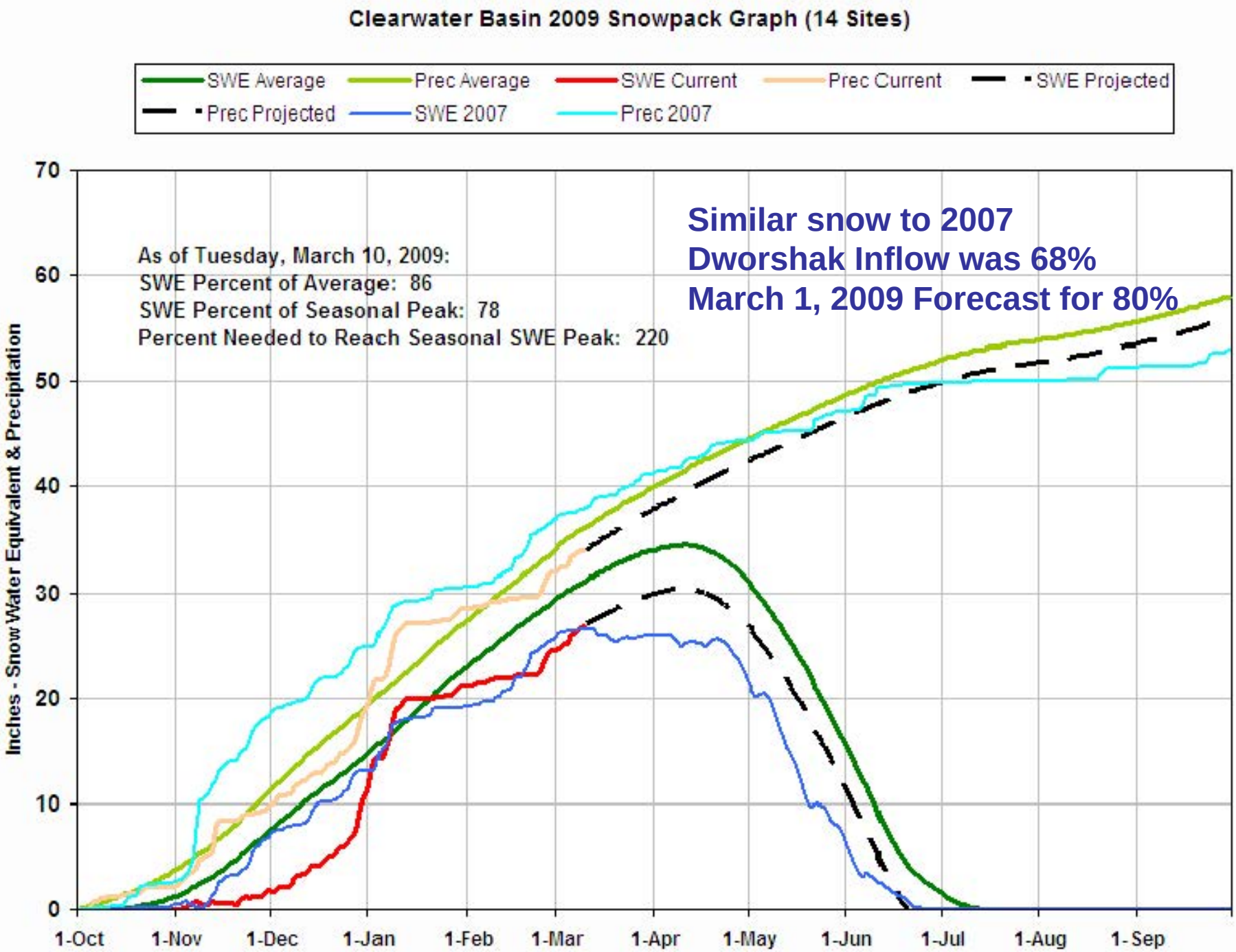

Panhandle Basins Snowpack March 1, 2009
Percent of Average
160%
140%
120%
100%
80%
60%
40%
20%
0%
2000
2500
3000
3500
4000
4500
5000
5500
6000
6500
7000
Elevation


Panhandle Basins Snowpack March 1, 2008
Percent of Average
300%
250%
200%
150%
100%
50%
0%
2000
2500
3000
3500
4000
4500
5000
5500
6000
6500
7000
Elevation

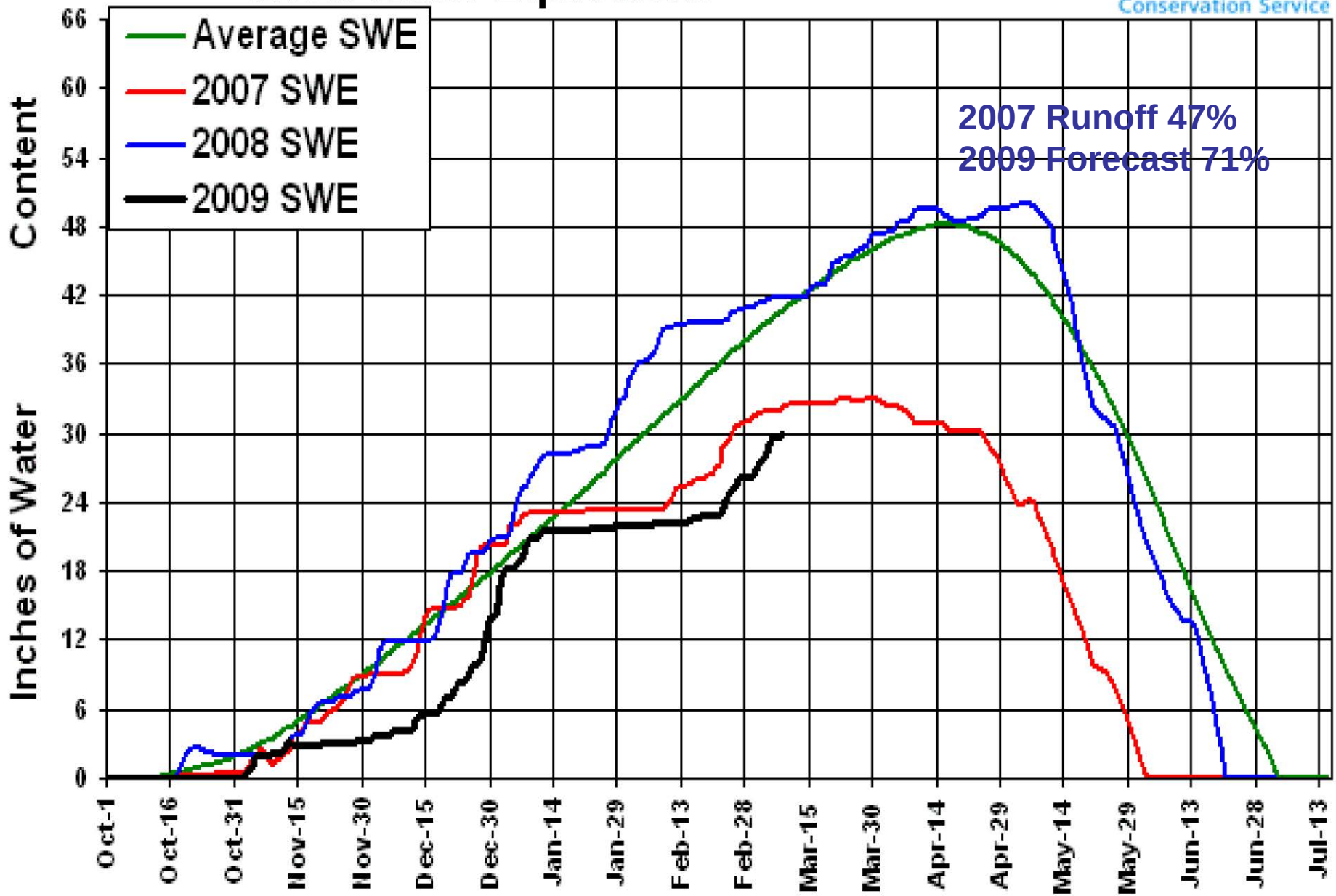
Panhandle Region 2009 Snowpack Graph (13 Sites)

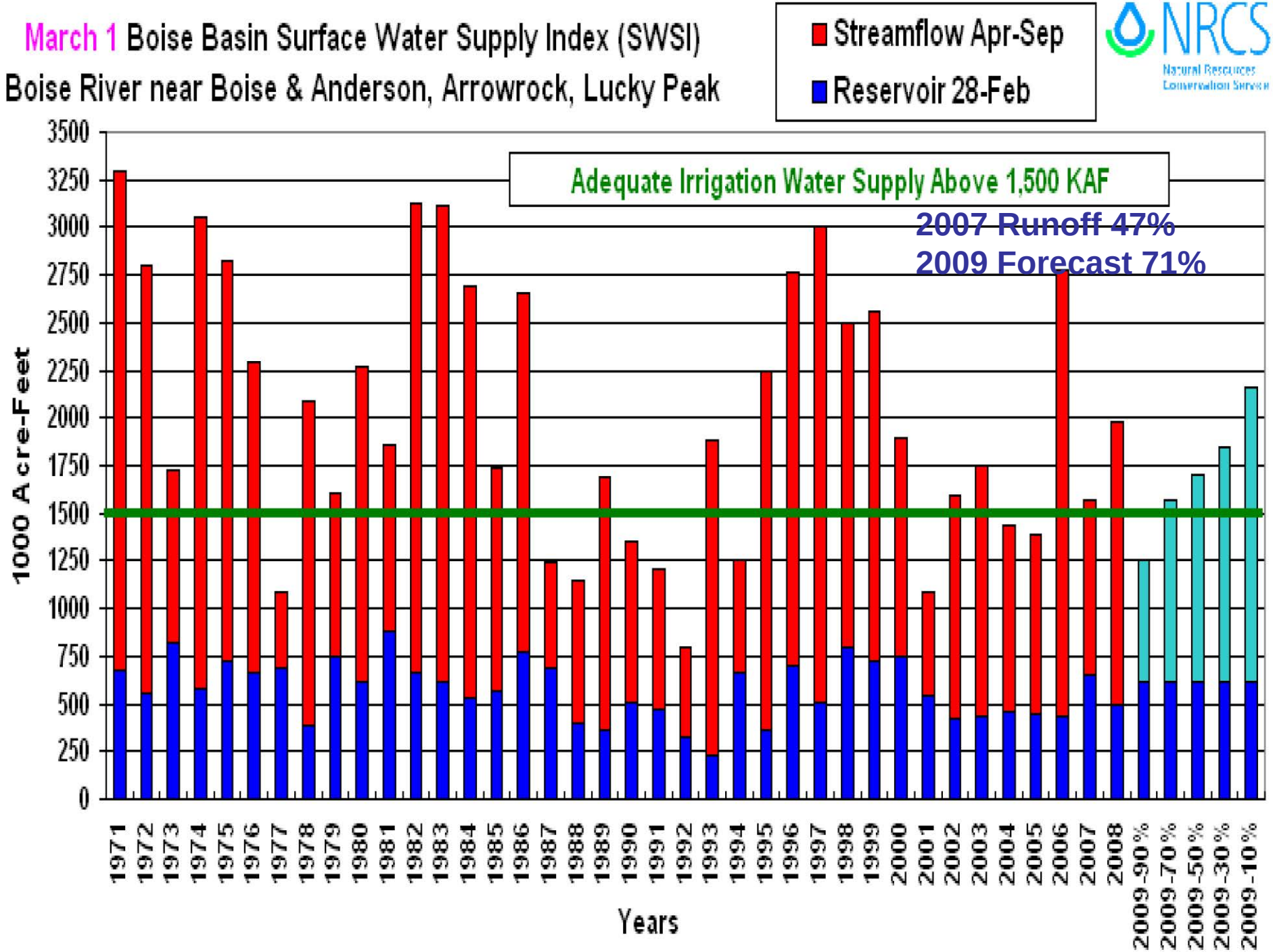



12414500 id: st joe river at calder id
NRCS
10-Mar-09
Updated
Similar Year
2007
10-25-75-90
Norm75
Norm25
Norm10
Estimated
SimilarYr
Last Yr
Projected
Current
Median
Normal
Max-Min
Mean Daily CFS
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
Jan1
Jan15
Jan29
Feb12
Feb26
Mar11
Mar25
Apr8
Apr22
May6
May20
Jun3
Jun17
Jul1
Jul15
Jul29
Aug12
Aug26
Sep9
Sep23
Oct7
Oct21
Nov4
Nov18
Dec2
Dec16
Dec30

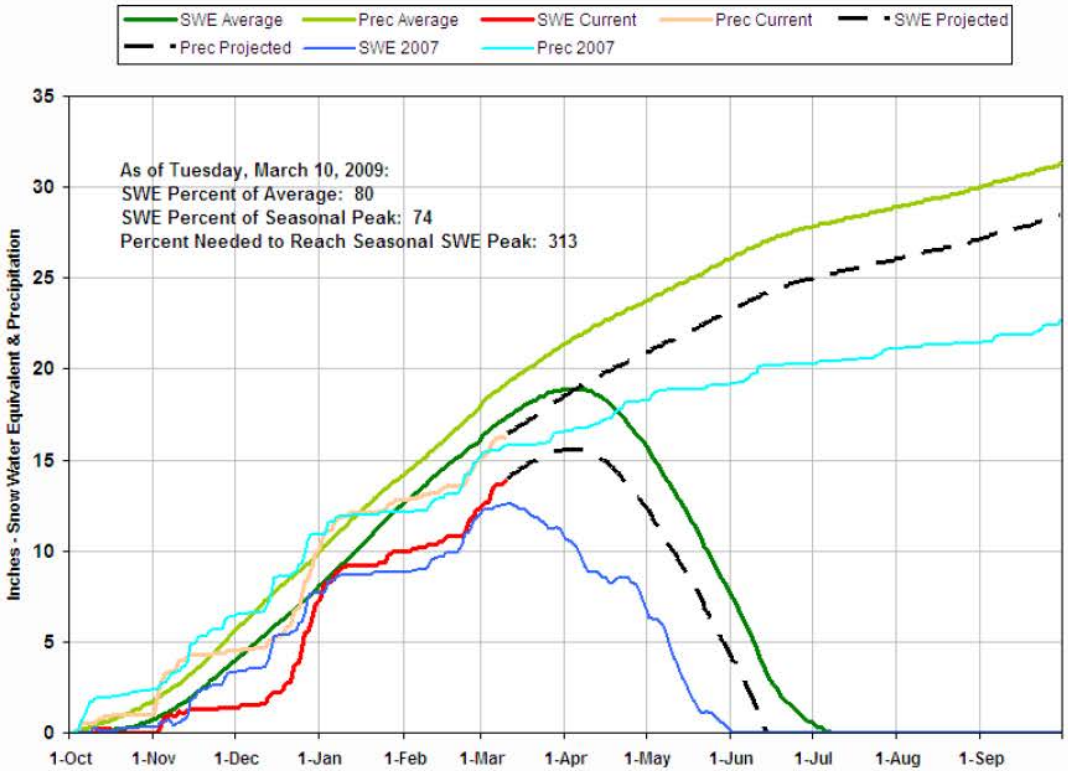

Clearwater Basin 2009 Snowpack Graph (14 Sites)
SWE Average
Prec Average
SWE Current
Prec Current
SWE Projected
Prec Projected
SWE 2007
Prec 2007
As of Tuesday, March 10, 2009:
SWE Percent of Average: 86
SWE Percent of Seasonal Peak: 78
Percent Needed to Reach Seasonal SWE Peak: 220
Similar snow to 2007
Dworshak Inflow was 68%
March 1, 2009 Forecast for 80%
Inches - Snow Water Equivalent & Precipitation
0
10
20
30
40
50
60
70
1-Oct
1-Nov
1-Dec
1-Jan
1-Feb
1-Mar
1-Apr
1-May
1-Jun
1-Jul
1-Aug
1-Sep

Deadwood Summit SNOTEL El. 6860
Snow Water Equivalent

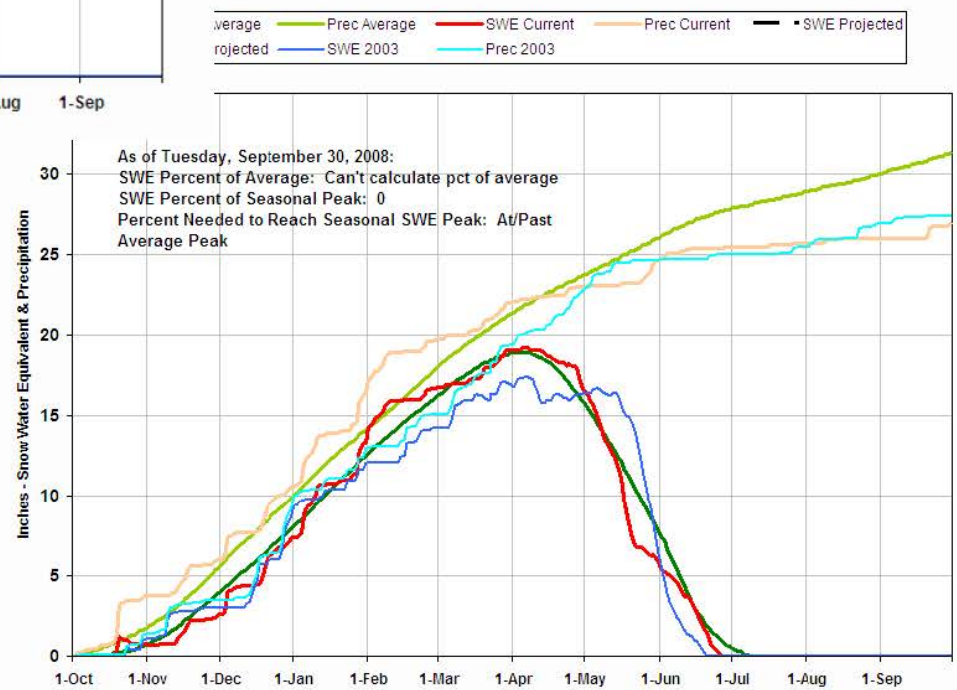


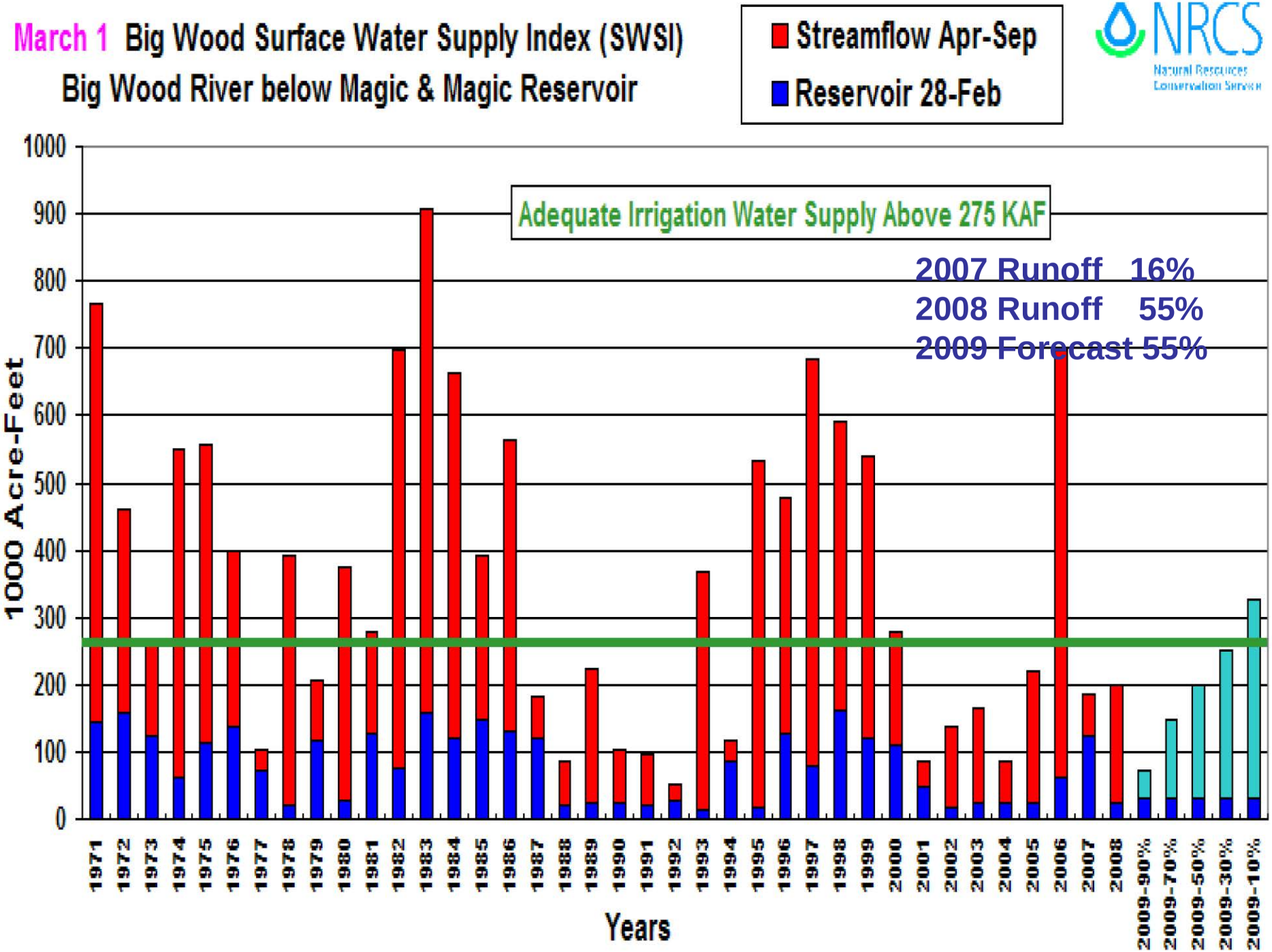

March 1 Boise Basin Surface Water Supply Index (SWSI)
Boise River near Boise & Anderson, Arrowrock, Lucky Peak
Streamflow Apr-Sep
Reservoir 28-Feb
NRCS
Natural Resources Conservation Service
Adequate Irrigation Water Supply Above 1,500 KAF
2007 Runoff 47%
2009 Forecast 71%
1000 Acre-Feet
3500
3250
3000
2750
2500
2250
2000
1750
1500
1250
1000
750
500
250
0
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
2009-90%
2009-70%
2009-50%
2009-30%
2009-10%
Years

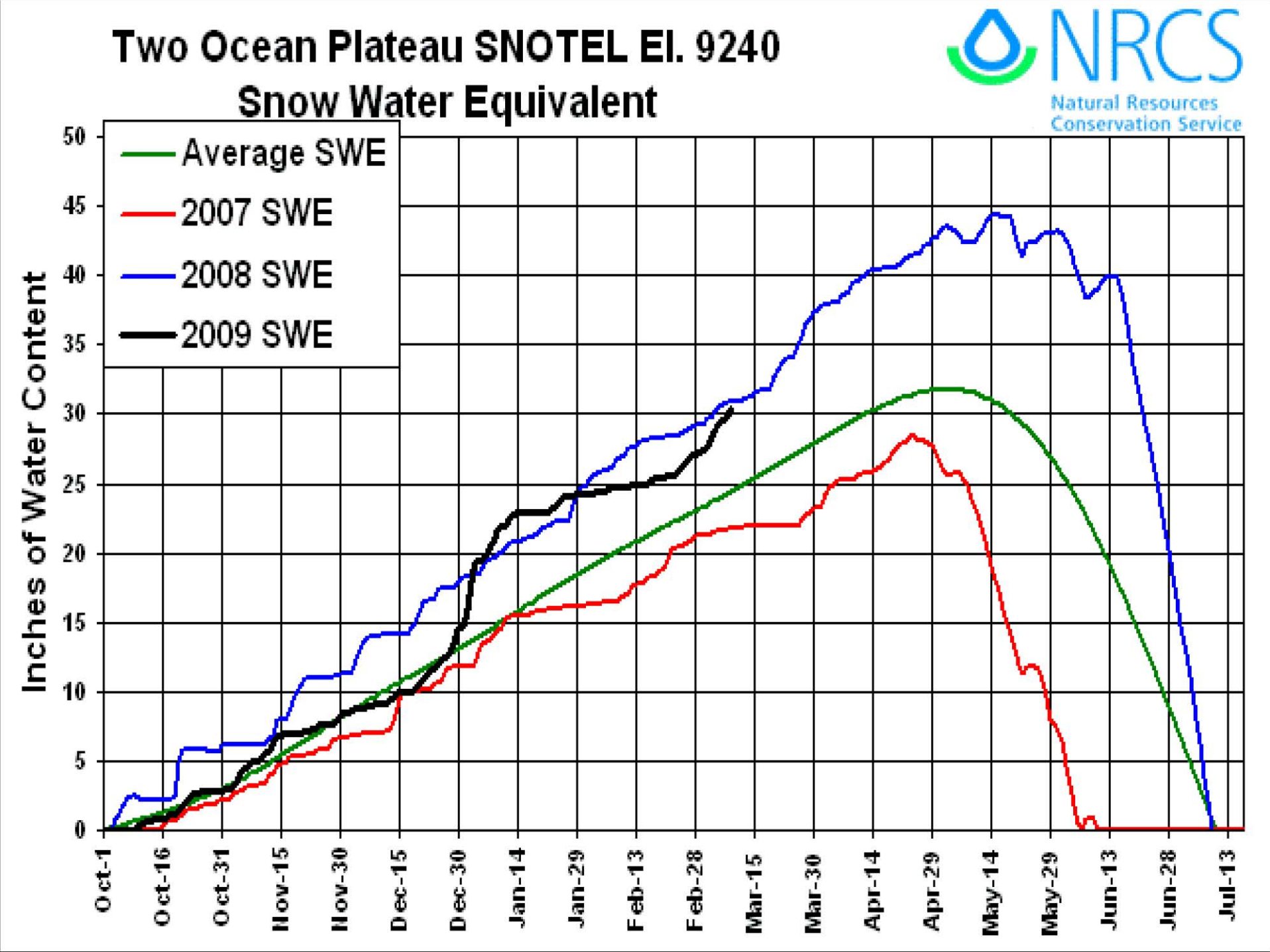
Big Wood Basin 2009 Snowpack Graph (9 Sites)



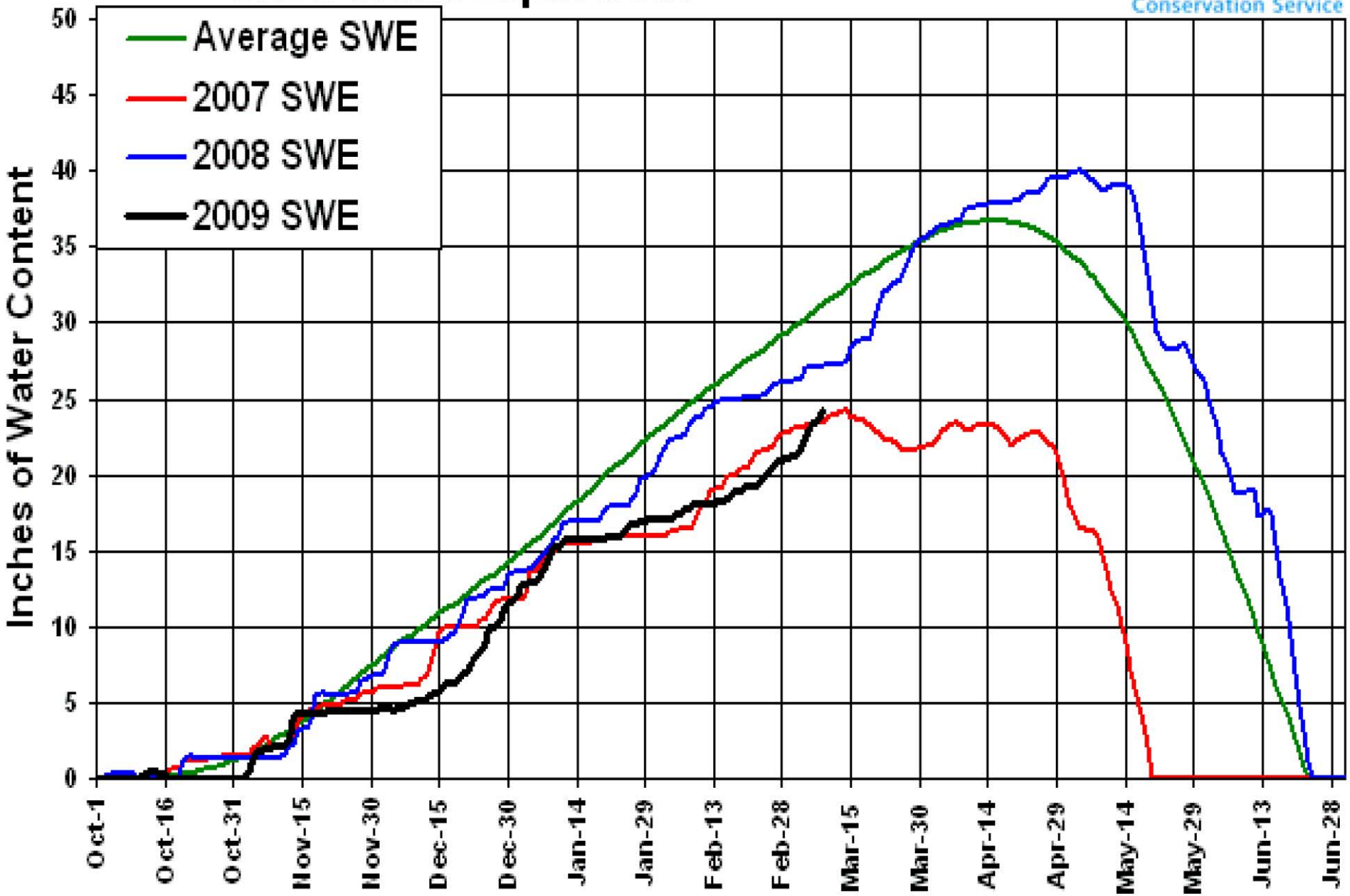
Big Wood Basin 2008 Snowpack Graph (9 Sites)

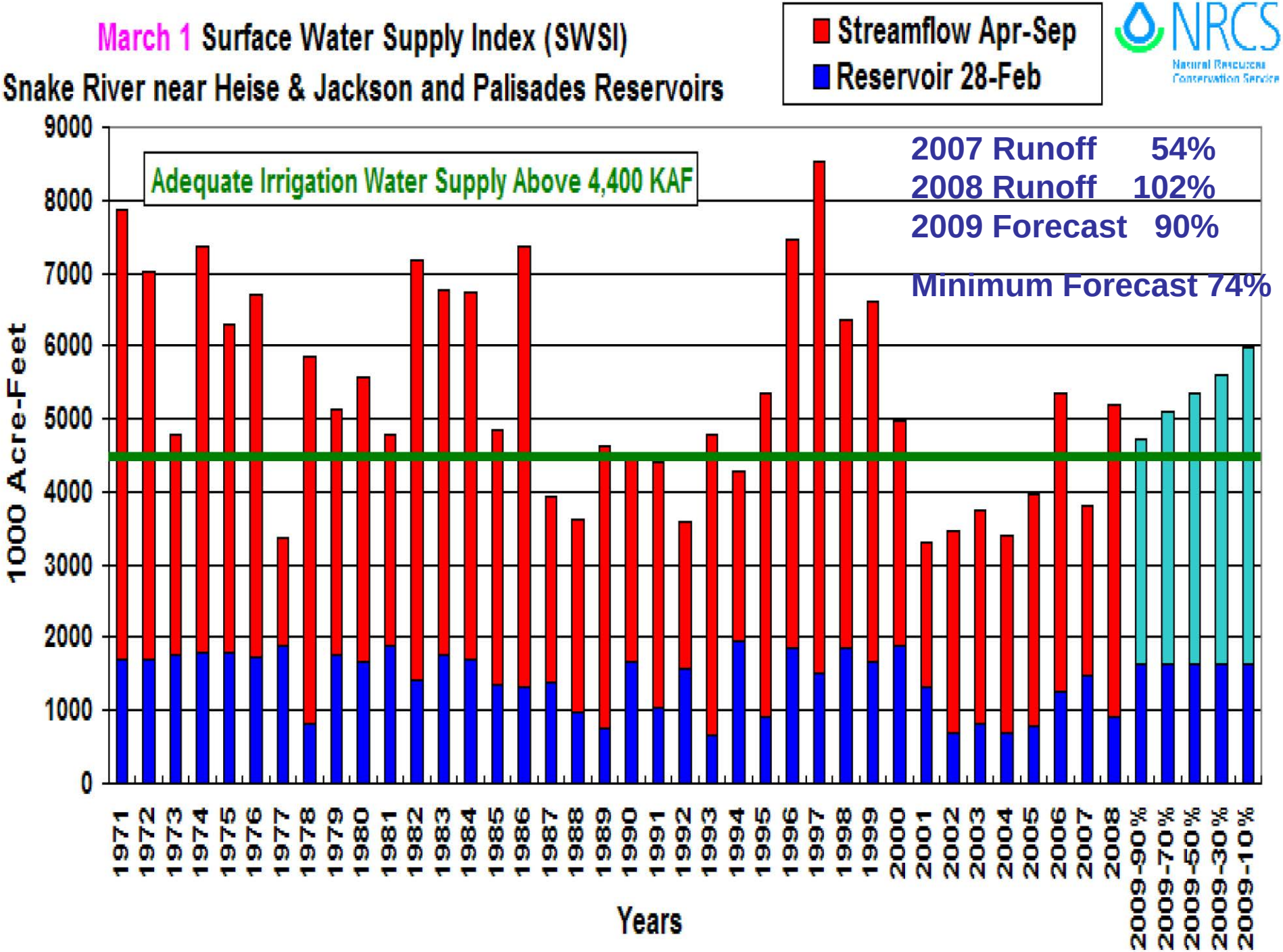


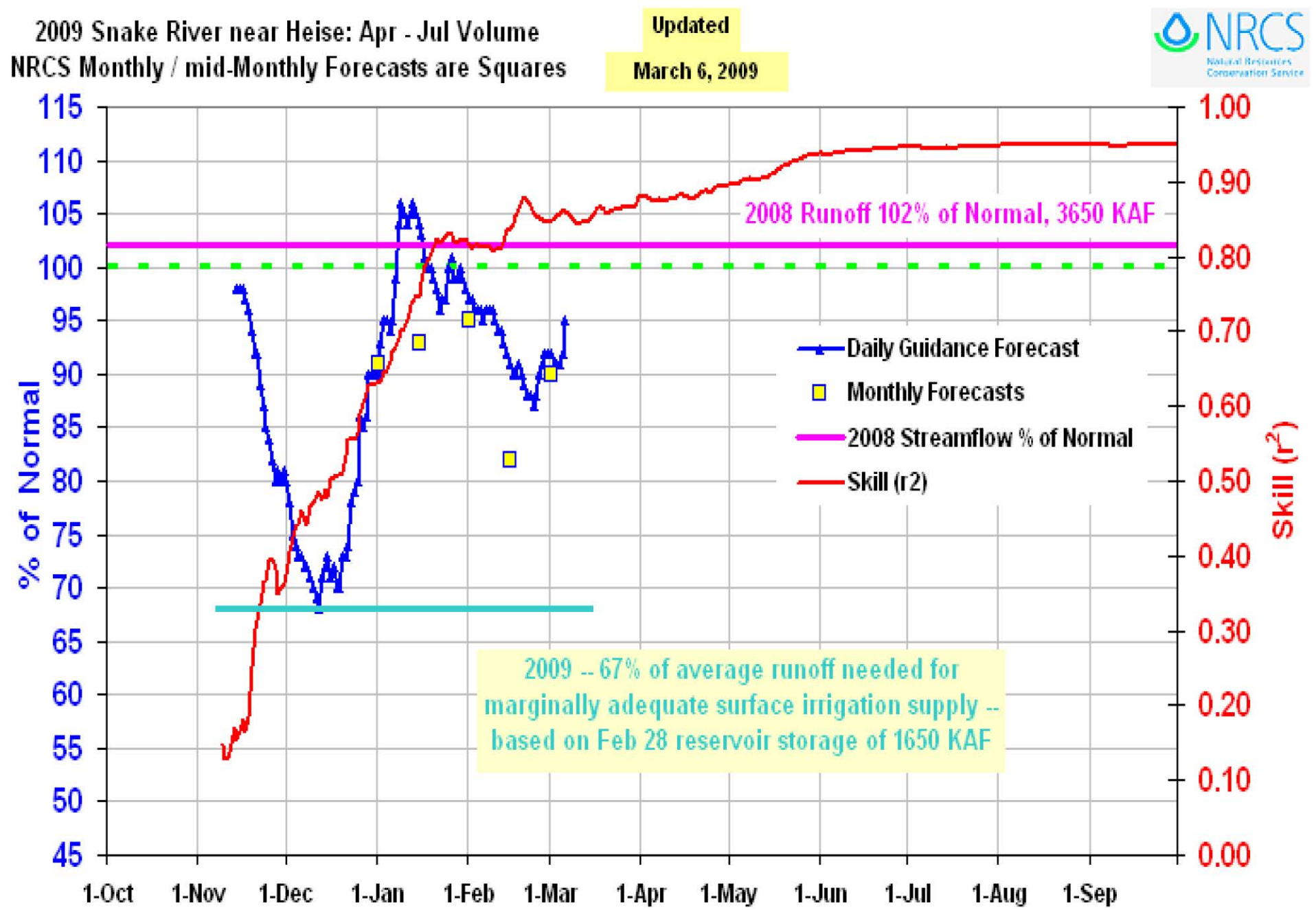

March 1 Big Wood Surface Water Supply Index (SWSI)
Big Wood River below Magic & Magic Reservoir
Streamflow Apr-Sep
Reservoir 28-Feb
NRCS
Natural Resources Conservation Service
Adequate Irrigation Water Supply Above 275 KAF
2007 Runoff 16%
2008 Runoff 55%
2009 Forecast 55%
1000 Acre-Feet
0
100
200
300
400
500
600
700
800
900
1000
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
2009-90%
2009-70%
2009-50%
2009-30%
2009-10%
Years


Two Ocean Plateau SNOTEL El. 9240
Snow Water Equivalent
NRCS
Natural Resources Conservation Service
Average SWE
2007 SWE
2008 SWE
2009 SWE
Inches of Water Content
0
5
10
15
20
25
30
35
40
45
50
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

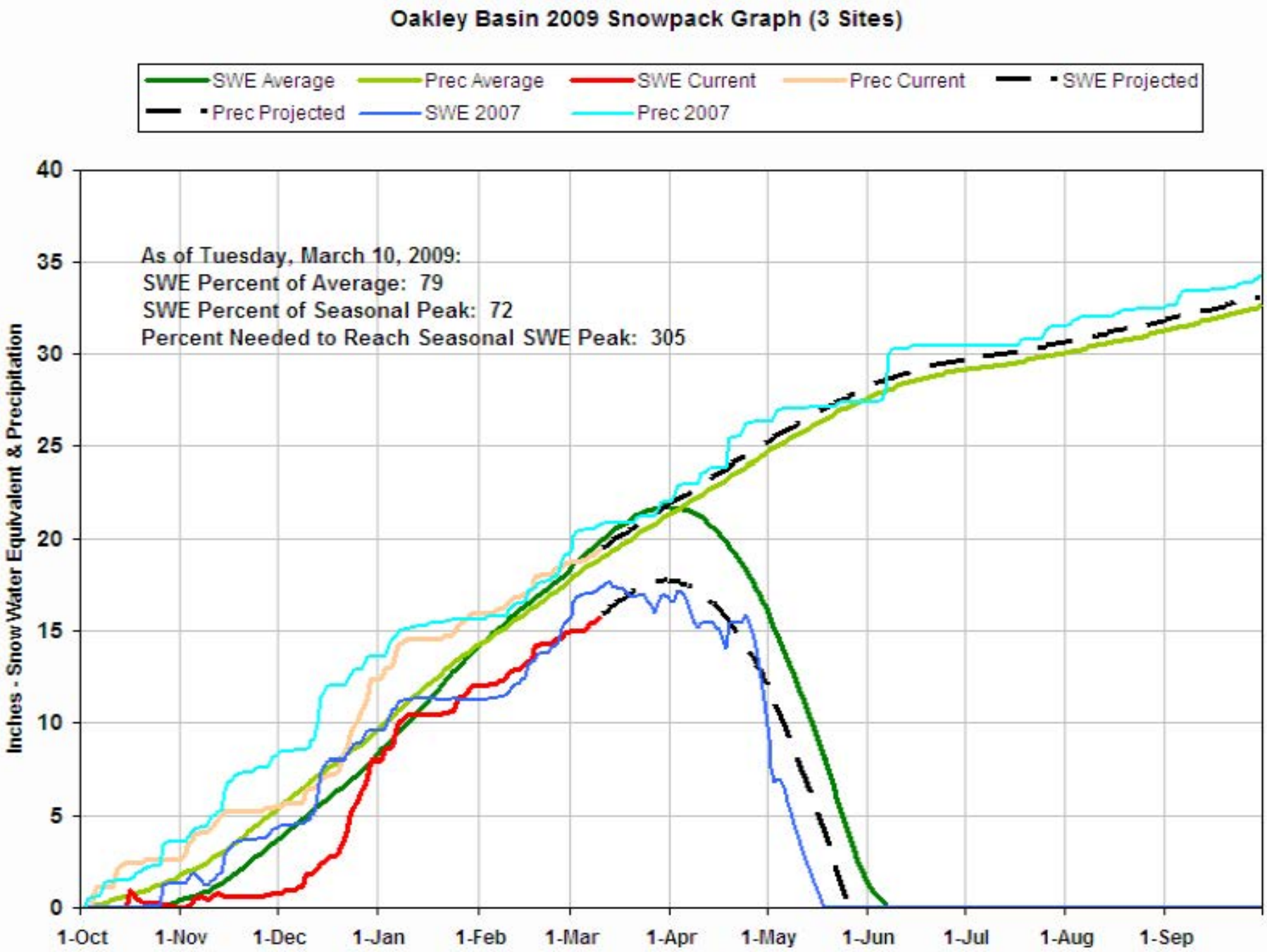
Lewis Lake Divide SNOTEL El. 7850
Snow Water Equivalent

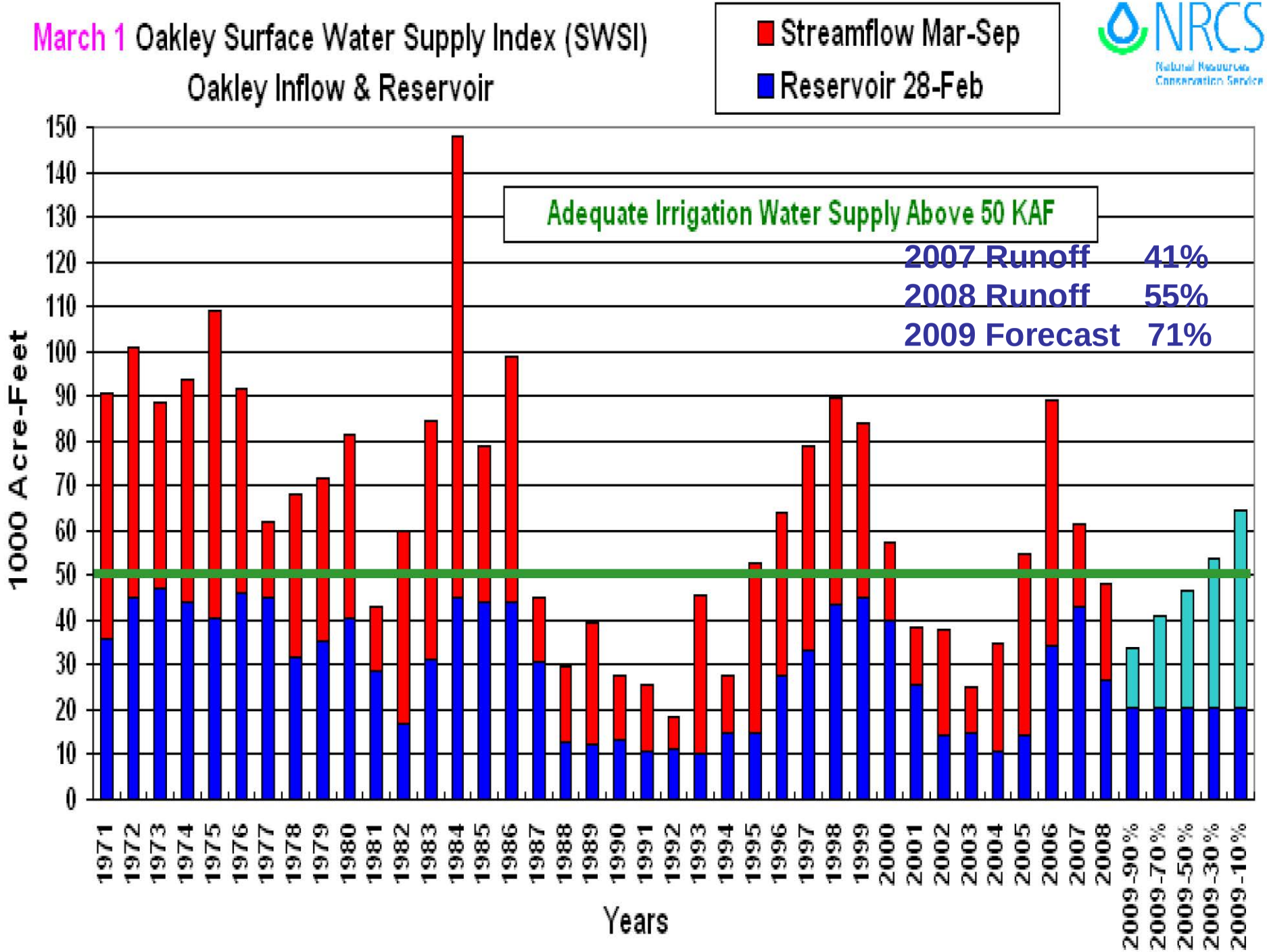


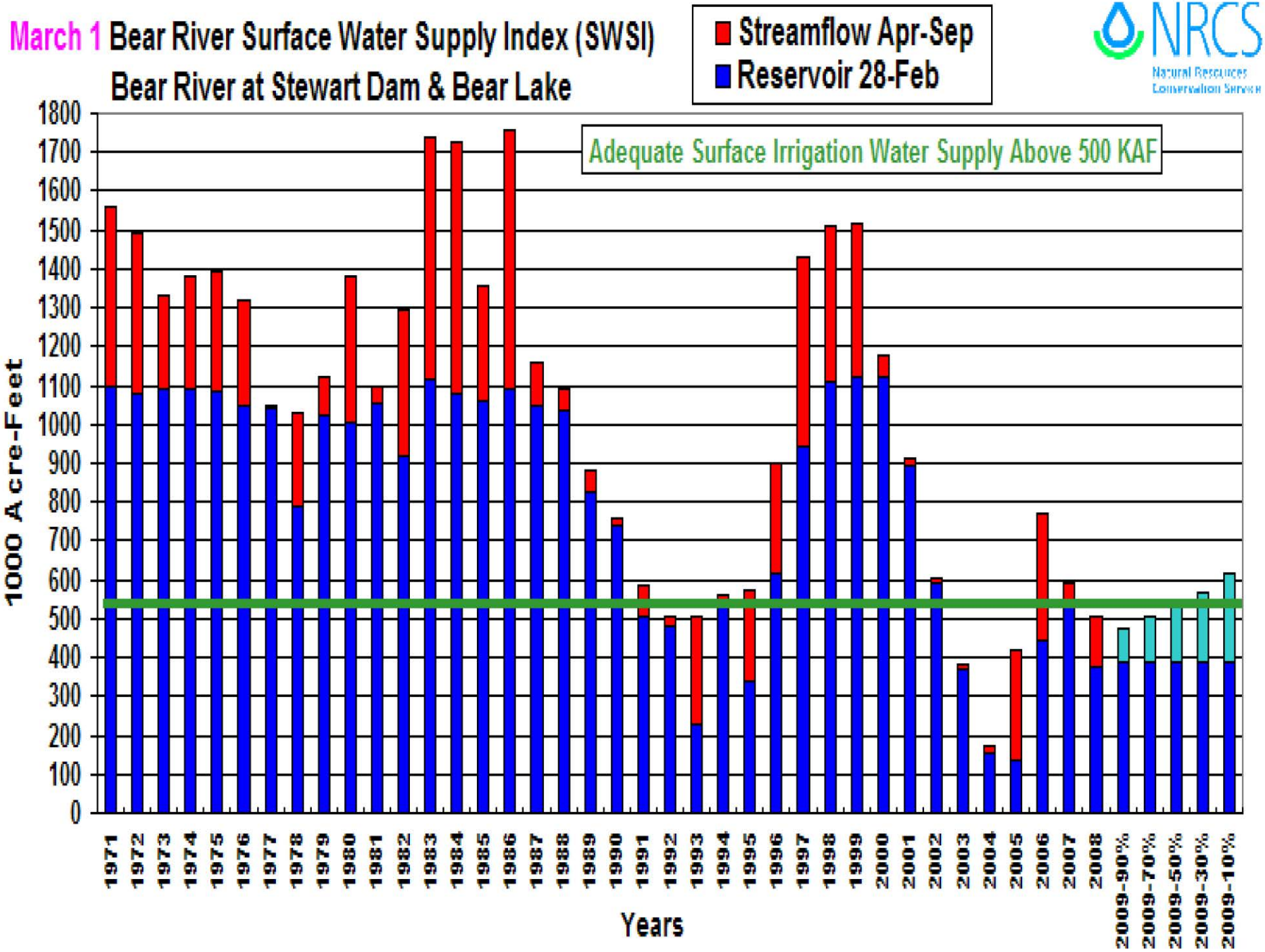

March 1 Surface Water Supply Index (SWSI)
Snake River near Heise & Jackson and Palisades Reservoirs
Streamflow Apr-Sep
Reservoir 28-Feb
NRCS
Natural Resources Conservation Service
Adequate Irrigation Water Supply Above 4,400 KAF
2007 Runoff 54%
2008 Runoff 102%
2009 Forecast 90%
Minimum Forecast 74%
1000 Acre-Feet
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
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
2009-90%
2009-70%
2009-50%
2009-30%
2009-10%
Years



SNOTEL Sites used: Base Camp, Blind Bull, Cottonwood Ck, Lewis Lake, Snake River Sta, Slug Creek, Thumb Divide and Willow Ck


Oakley Basin 2009 Snowpack Graph (3 Sites)
SWE Average
Prec Average
SWE Current
Prec Current
SWE Projected
Prec Projected
SWE 2007
Prec 2007
As of Tuesday, March 10, 2009:
SWE Percent of Average: 79
SWE Percent of Seasonal Peak: 72
Percent Needed to Reach Seasonal SWE Peak: 305
Inches - Snow Water Equivalent & Precipitation
0
5
10
15
20
25
30
35
40
1-Oct
1-Nov
1-Dec
1-Jan
1-Feb
1-Mar
1-Apr
1-May
1-Jun
1-Jul
1-Aug
1-Sep


March 1 Oakley Surface Water Supply Index (SWSI)
Oakley Inflow & Reservoir
Streamflow Mar-Sep
Reservoir 28-Feb
NRCS
Natural Resources Conservation Service
Adequate Irrigation Water Supply Above 50 KAF
2007 Runoff 41%
2008 Runoff 55%
2009 Forecast 71%
1000 Acre-Feet
0
10
20
30
40
50
60
70
80
90
100
110
120
130
140
150
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
2009-90%
2009-70%
2009-50%
2009-30%
2009-10%
Years


March 1 Bear River Surface Water Supply Index (SWSI)
Bear River at Stewart Dam & Bear Lake
Streamflow Apr-Sep
Reservoir 28-Feb
NRCS
Natural Resources Conservation Service
Adequate Surface Irrigation Water Supply Above 500 KAF
1000 Acre-Feet
0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
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
2009-90%
2009-70%
2009-50%
2009-30%
2009-10%
Years

Lakefork Creek near McCall, Idaho February 25, 2009
Comments - Questions

Idaho Weather, Climate and Water Supply Outlook

IDWR Briefing, Mar 12th 2009

Jay Breidenbach, NOAA National Weather Service

2009 Water Year Precipitation Review through February

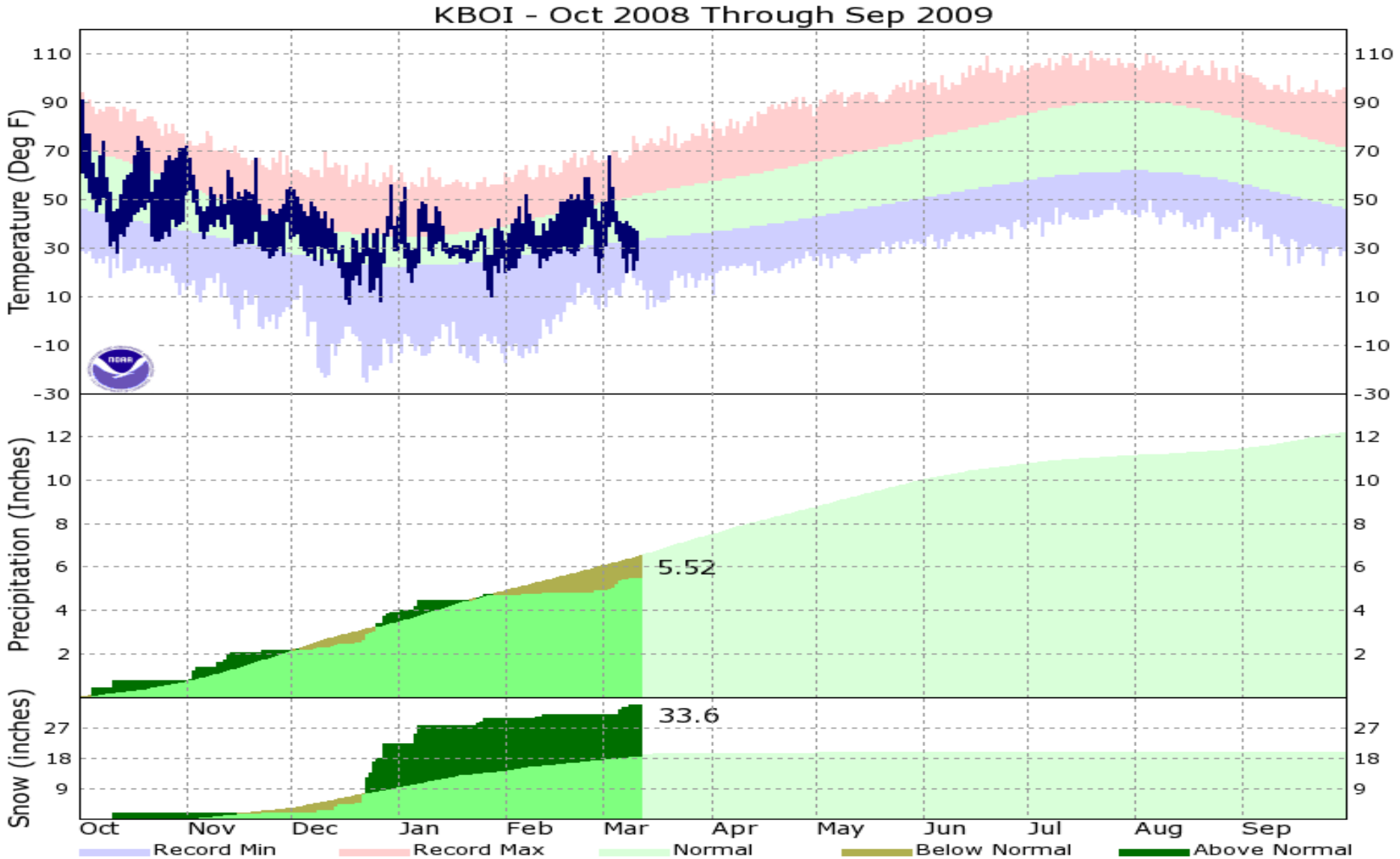
Forecast for next 10 days

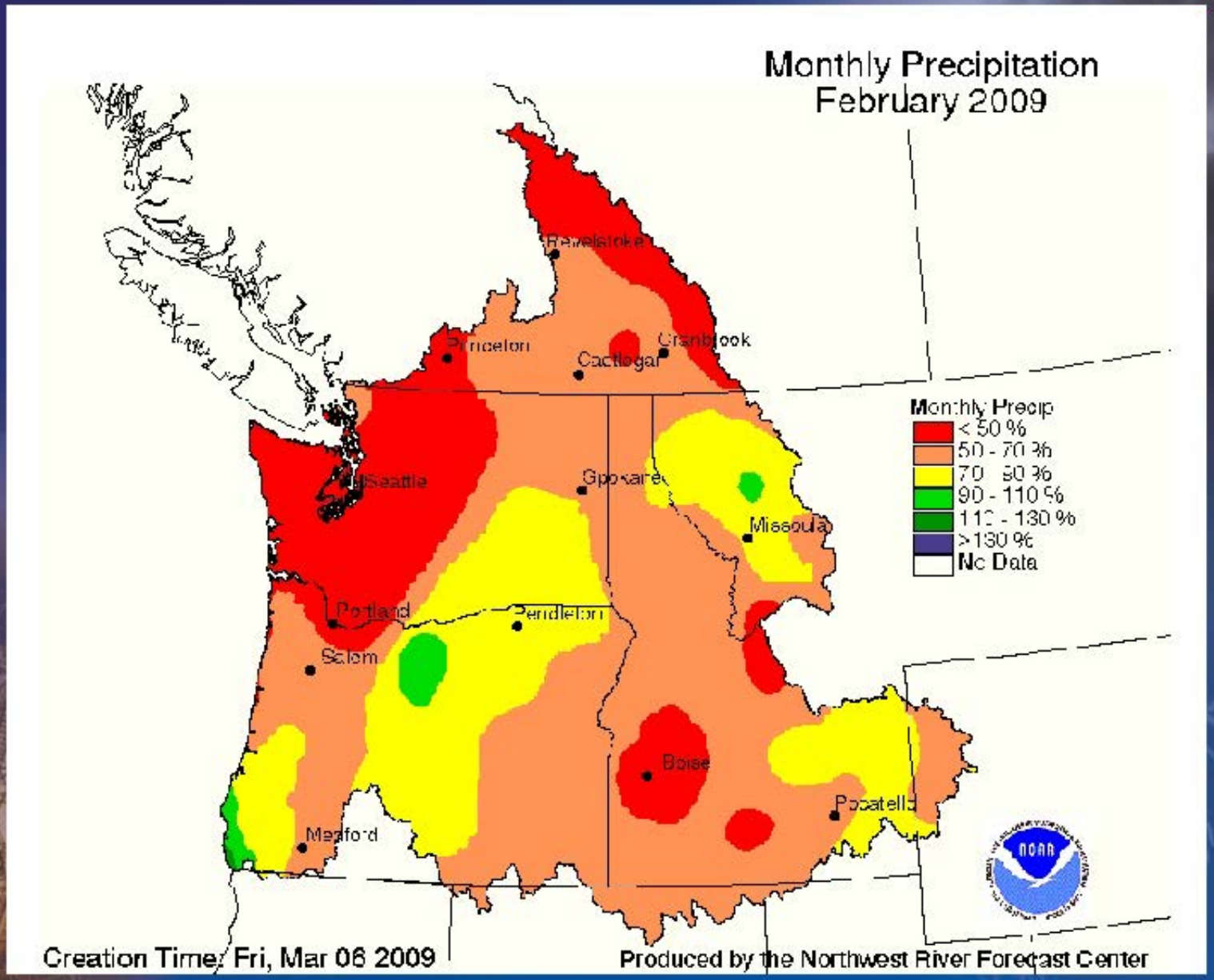
Three Month Climate Outlook

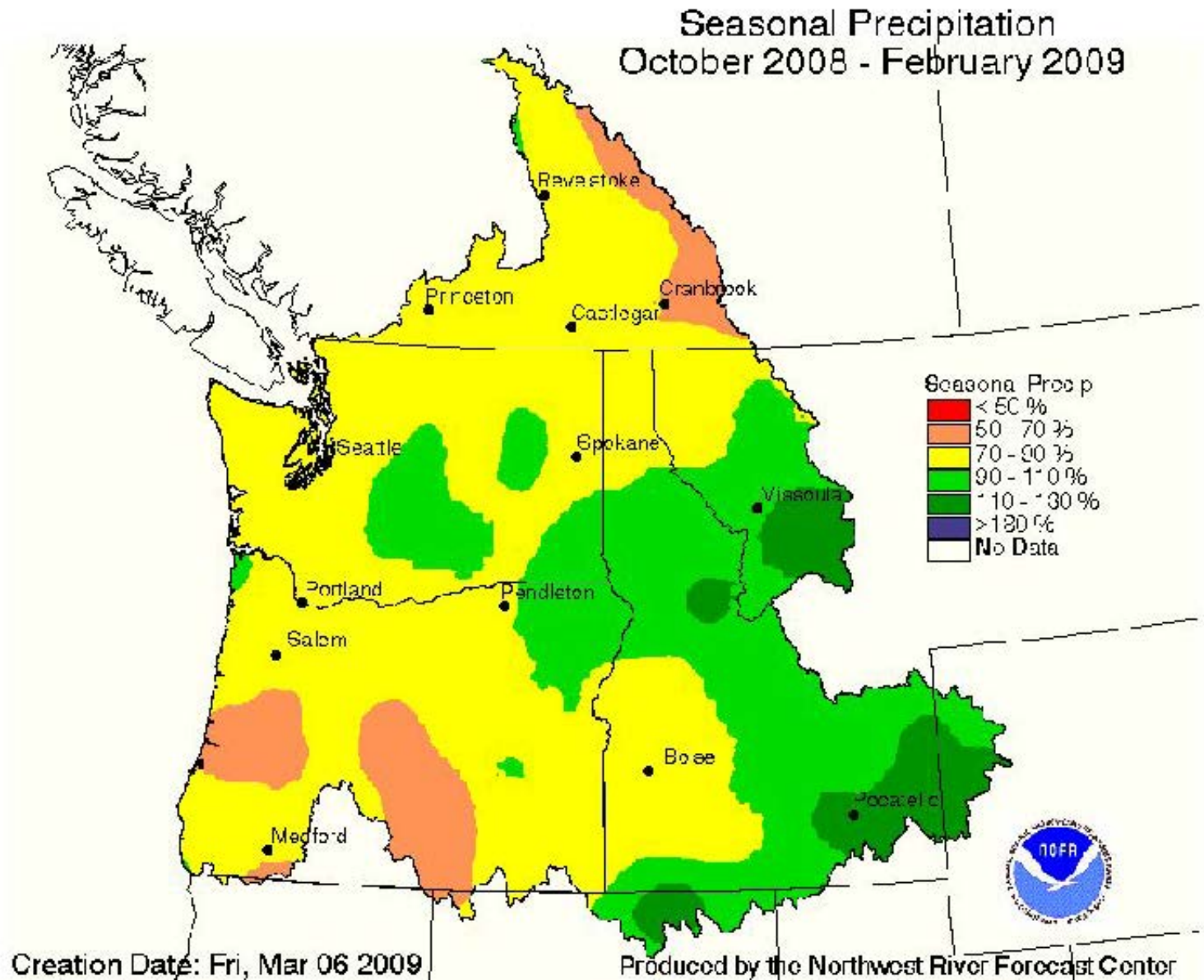
Water Supply Numbers and Drought Summary

Idaho Spring Flood Outlook

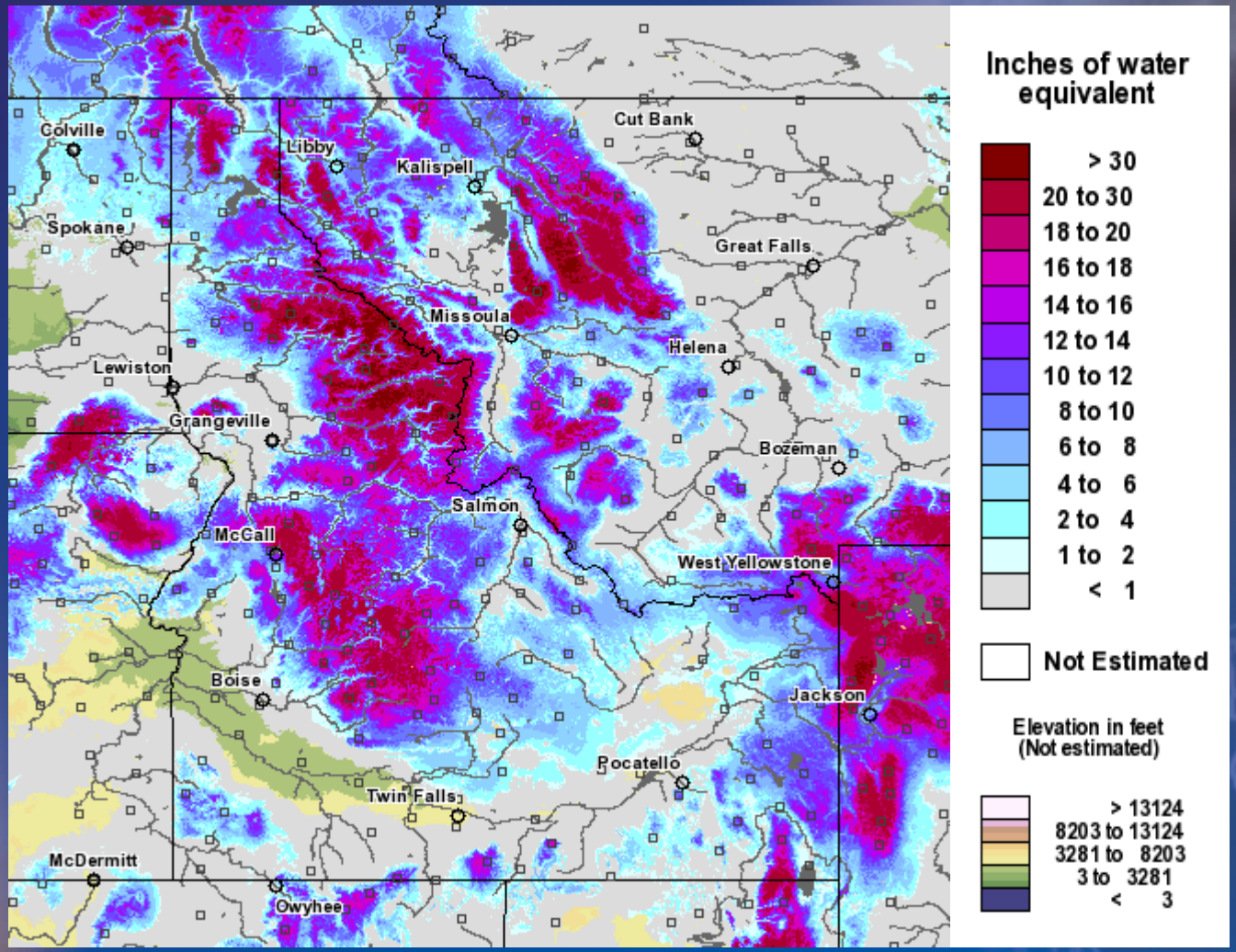
Boise – Temperature, Precipitation, Snow 2009 WY



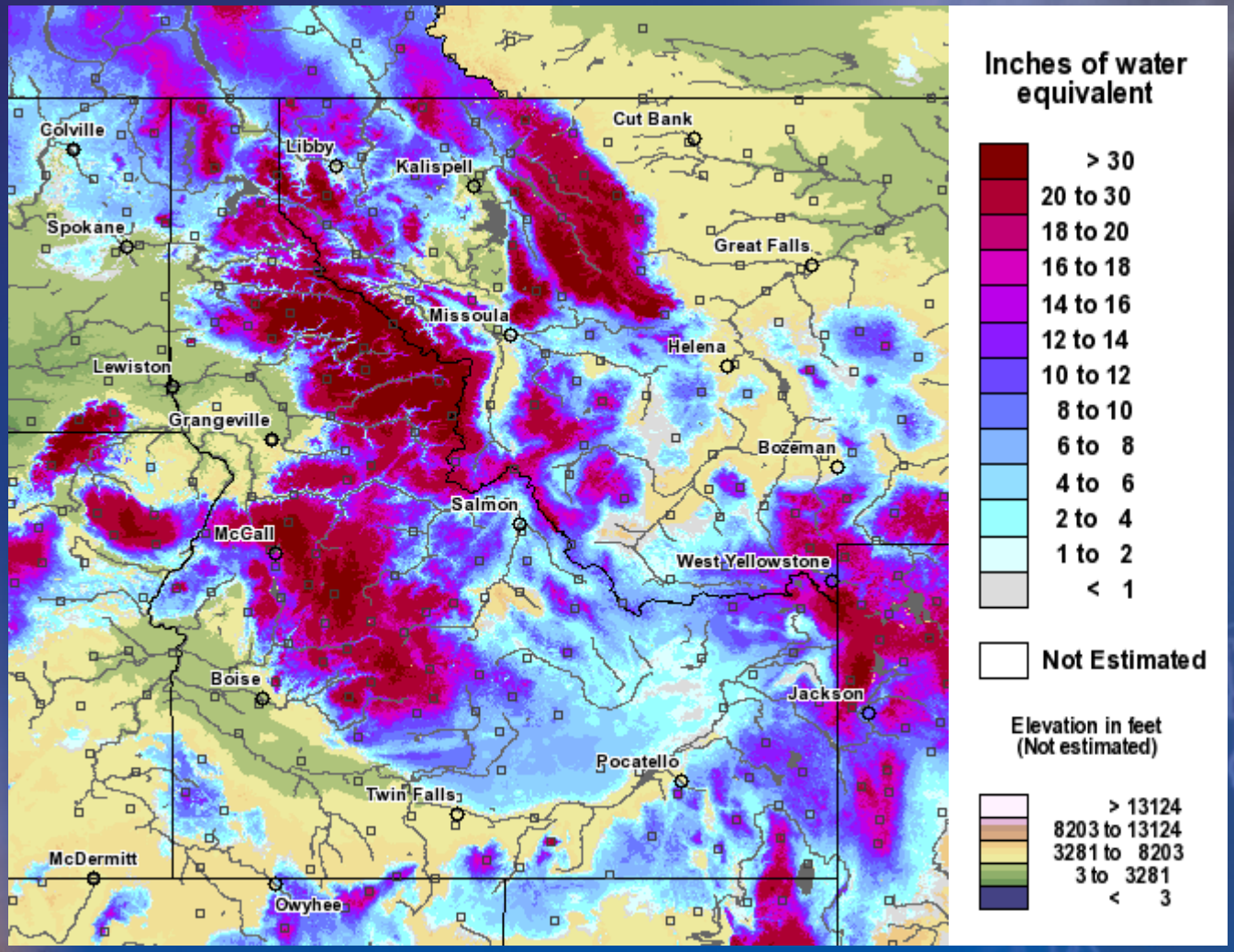

Monthly Precipitation
February 2009
Revelstoke
Princeton
Cranbrook
Castlegar
Seattle
Spokane
Missoula
Portland
Pendleton
Salem
Boise
Pocatello
Medford
Monthly Precip
< 50 %
50 - 70 %
70 - 90 %
90 - 110 %
110 - 130 %
>130 %
No Data
Creation Time: Fri, Mar 06 2009
Produced by the Northwest River Forecast Center


Seasonal Precipitation
October 2008 - February 2009
Revelstoke
Princeton
Castlegar
Cranbrook
Seattle
Spokane
Missoula
Portland
Pendleton
Salem
Boise
Pocatello
Medford
Seasonal Precip
< 50 %
50 - 70 %
70 - 90 %
90 - 110 %
110 - 130 %
>130 %
No Data
Creation Date: Fri, Mar 06 2009
Produced by the Northwest River Forecast Center

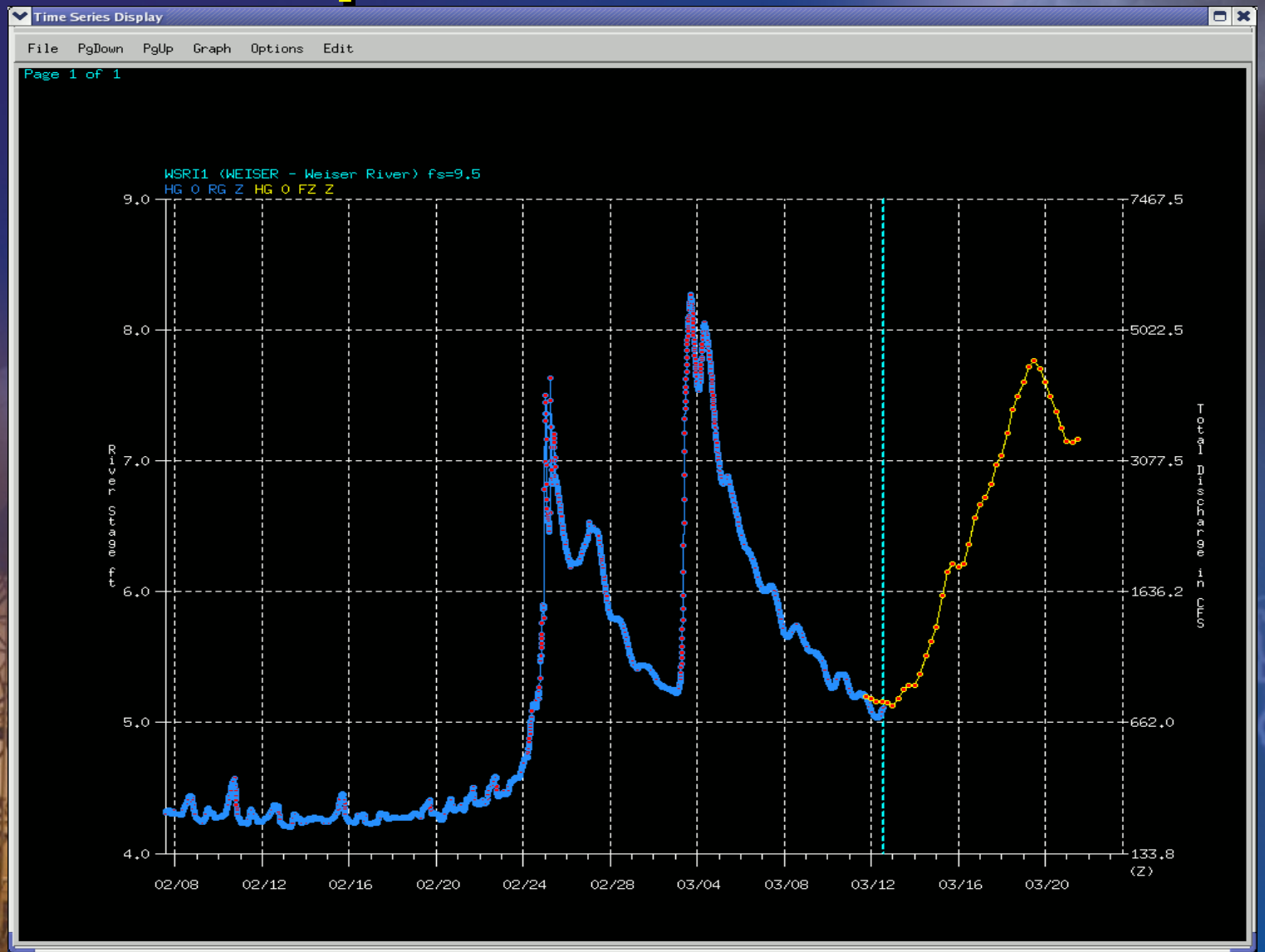
Snow Water Equivalent March 11th, 2009



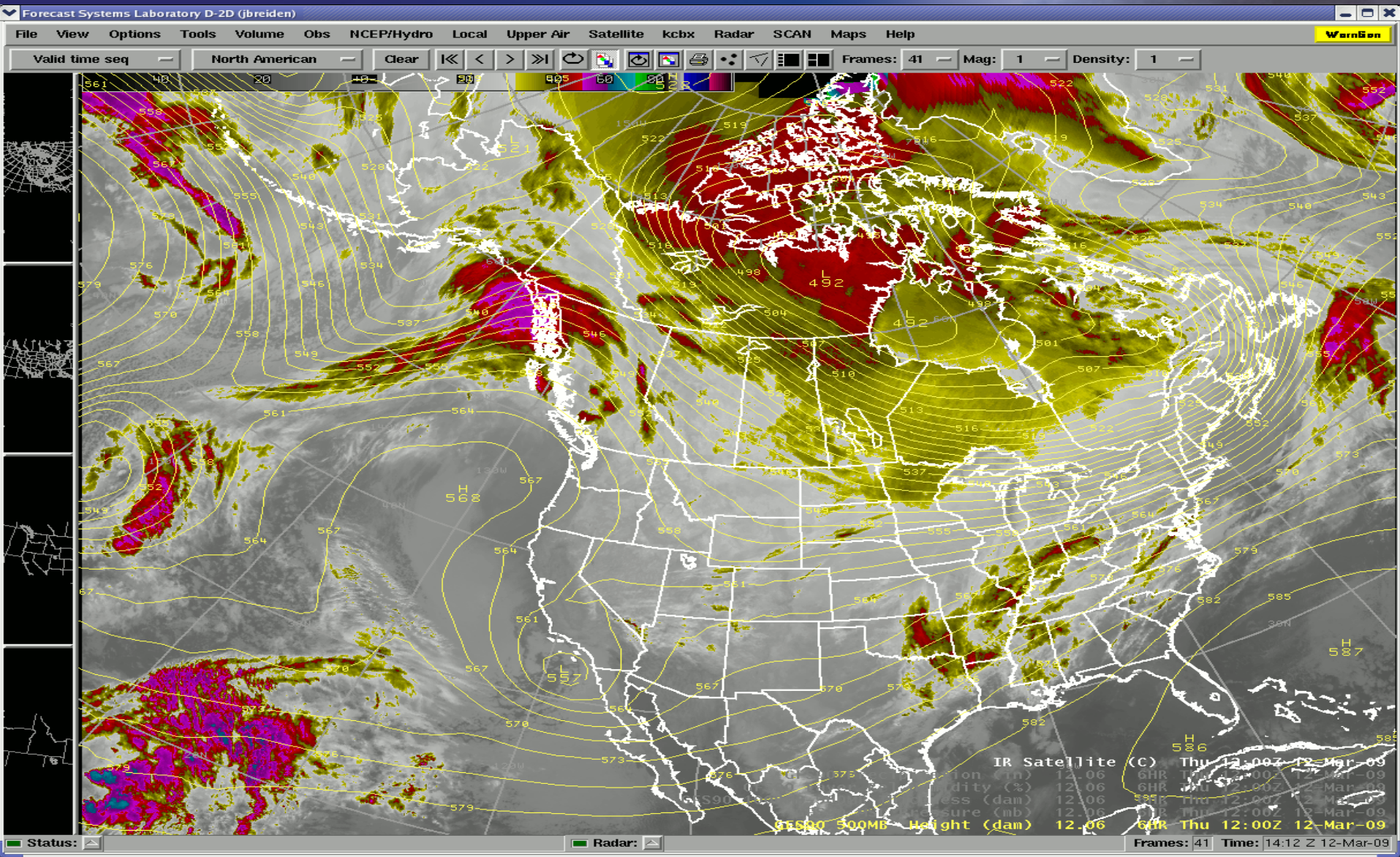
Snow Water Equivalent
March 11th, 2008



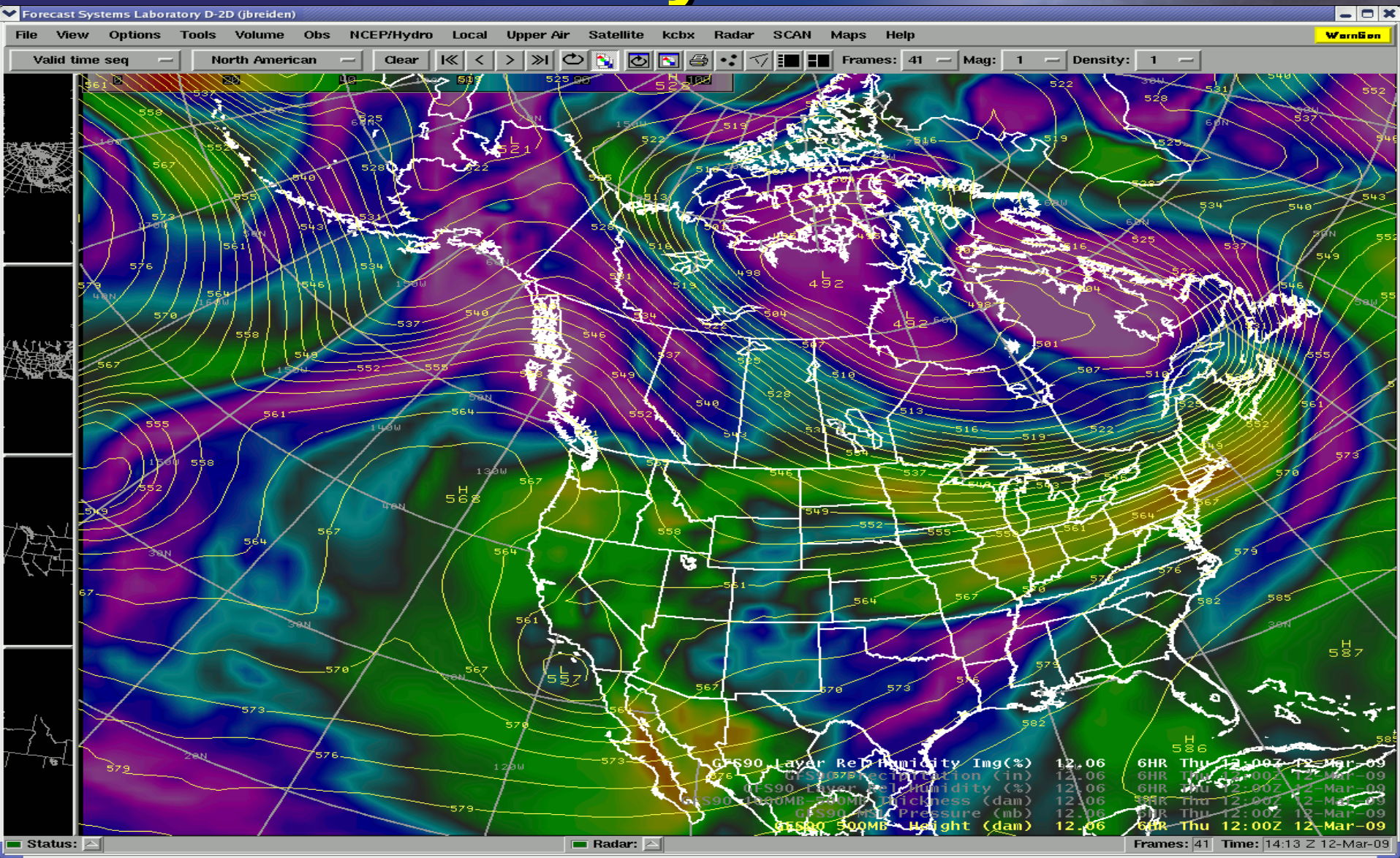
River Response to Warm Temperatures and Rain



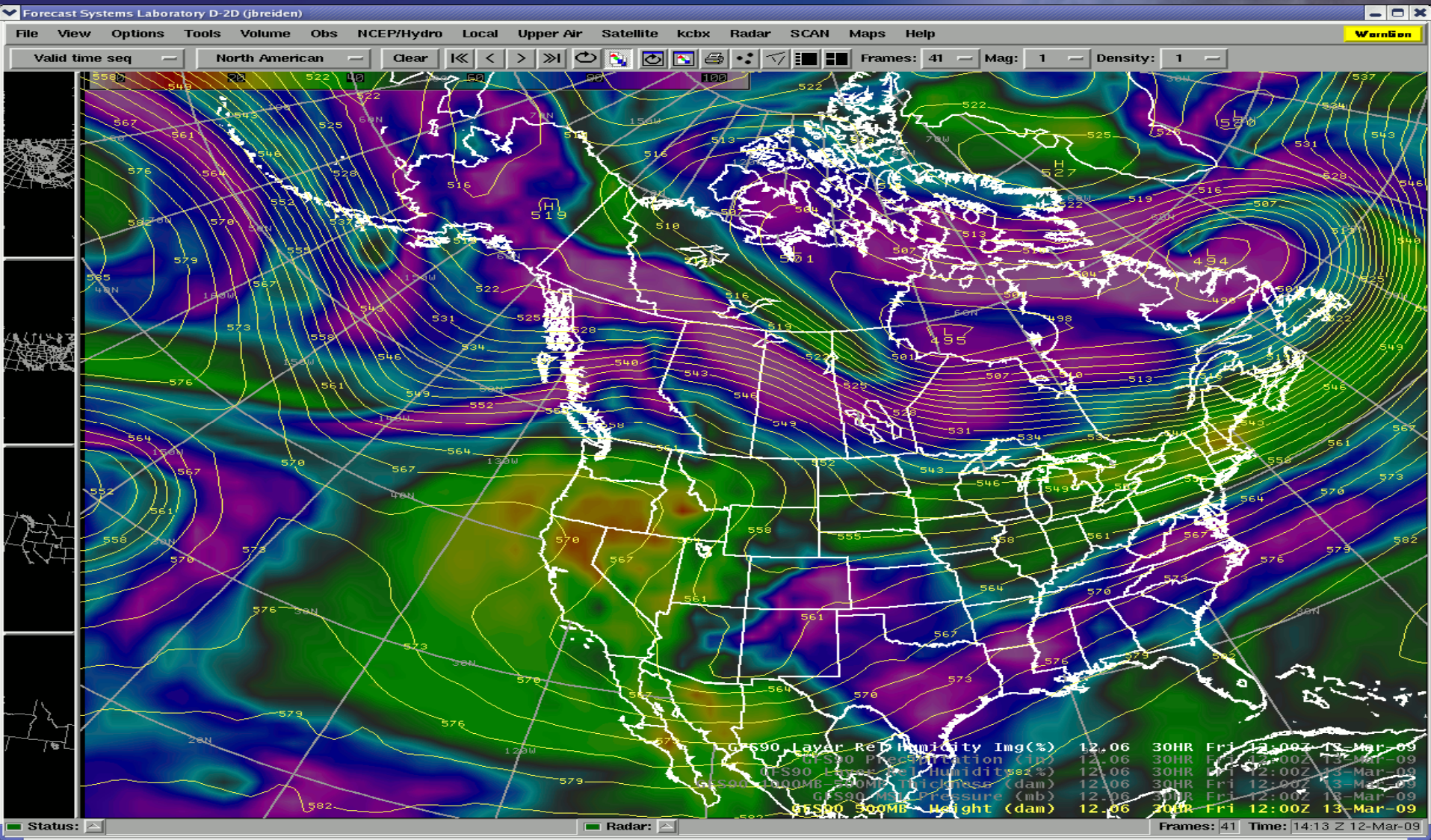
Thursday, March 12th



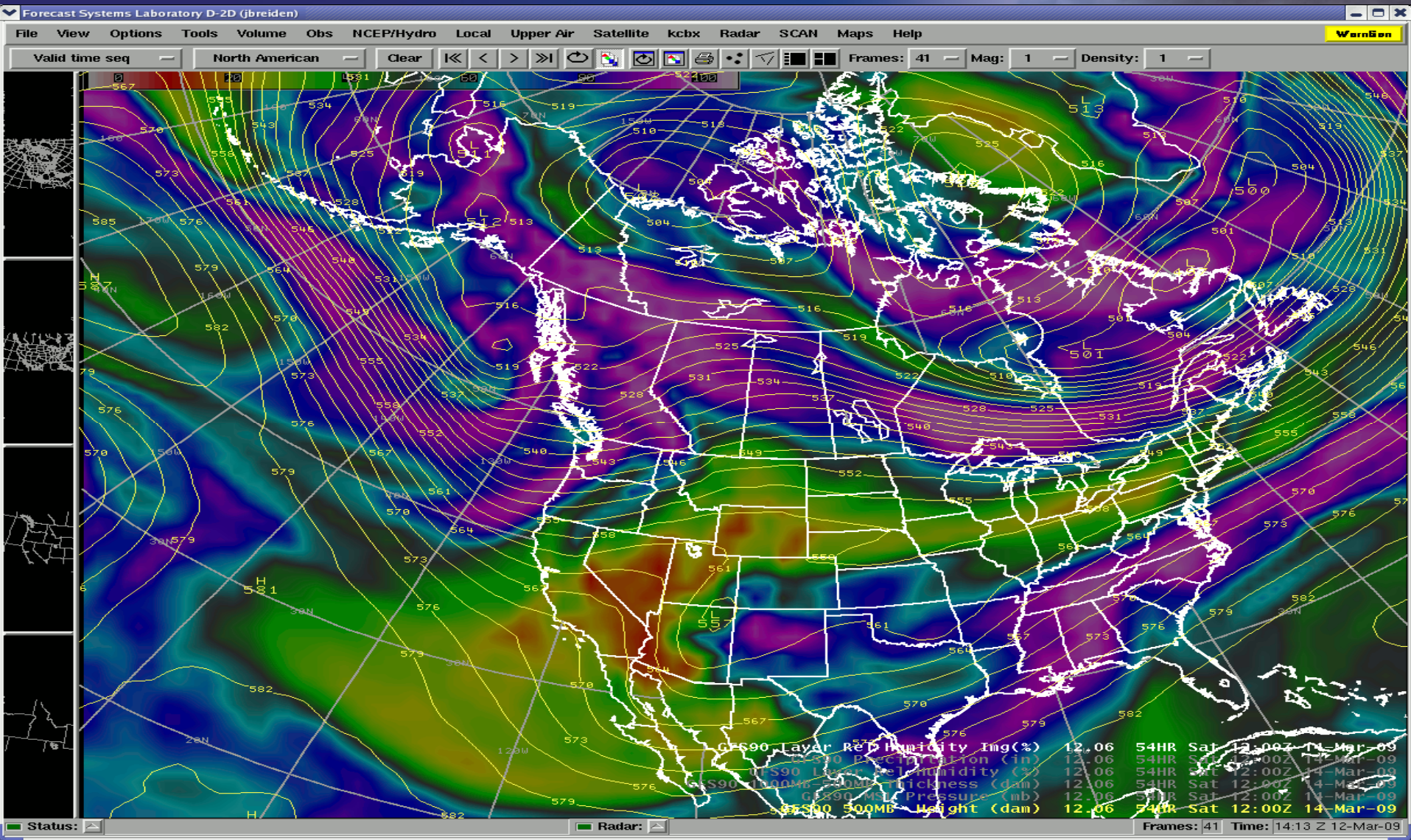
Thursday Mar 12th



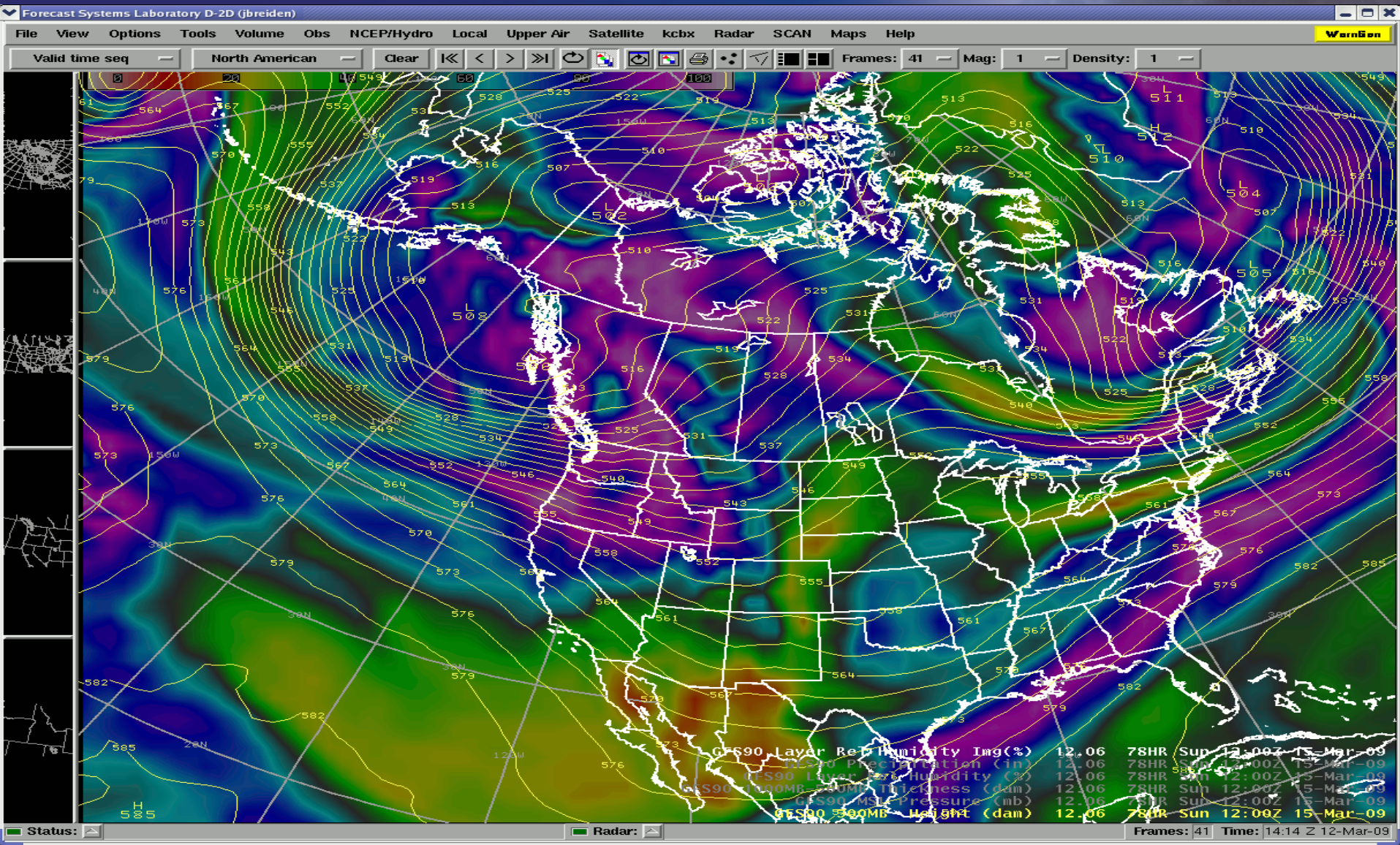
Friday Mar 13th



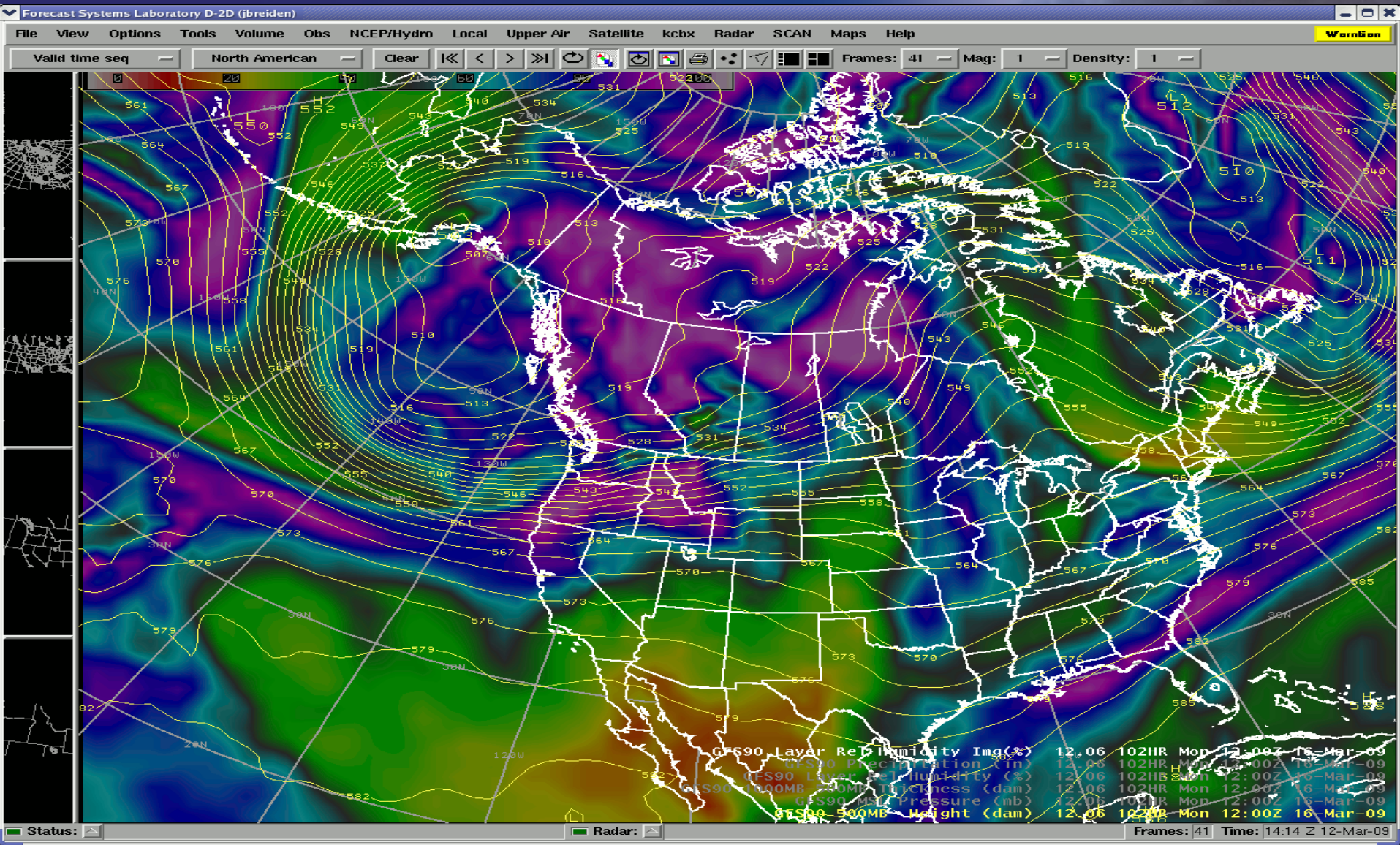
Saturday Mar 14th



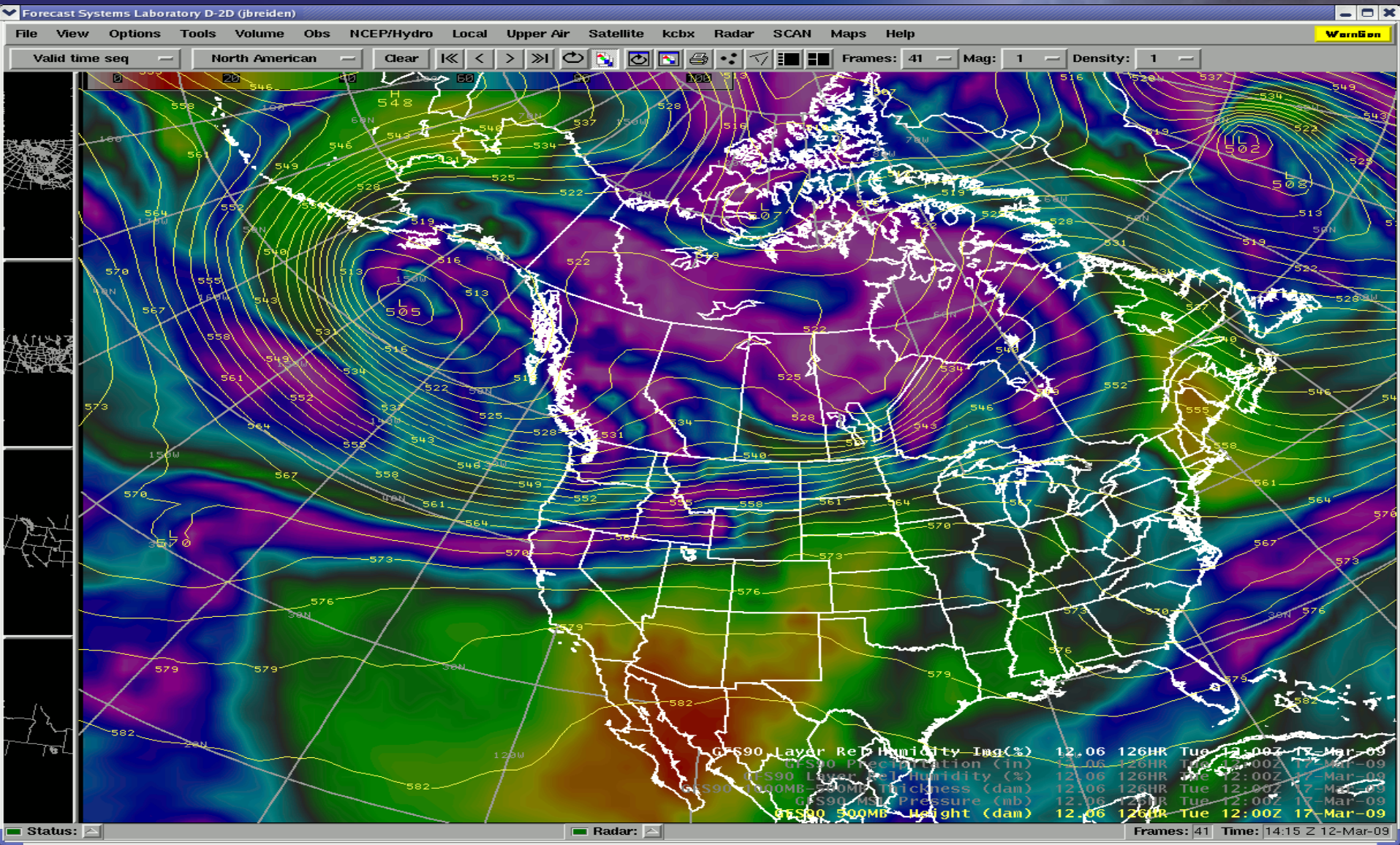
Sunday Mar 15th



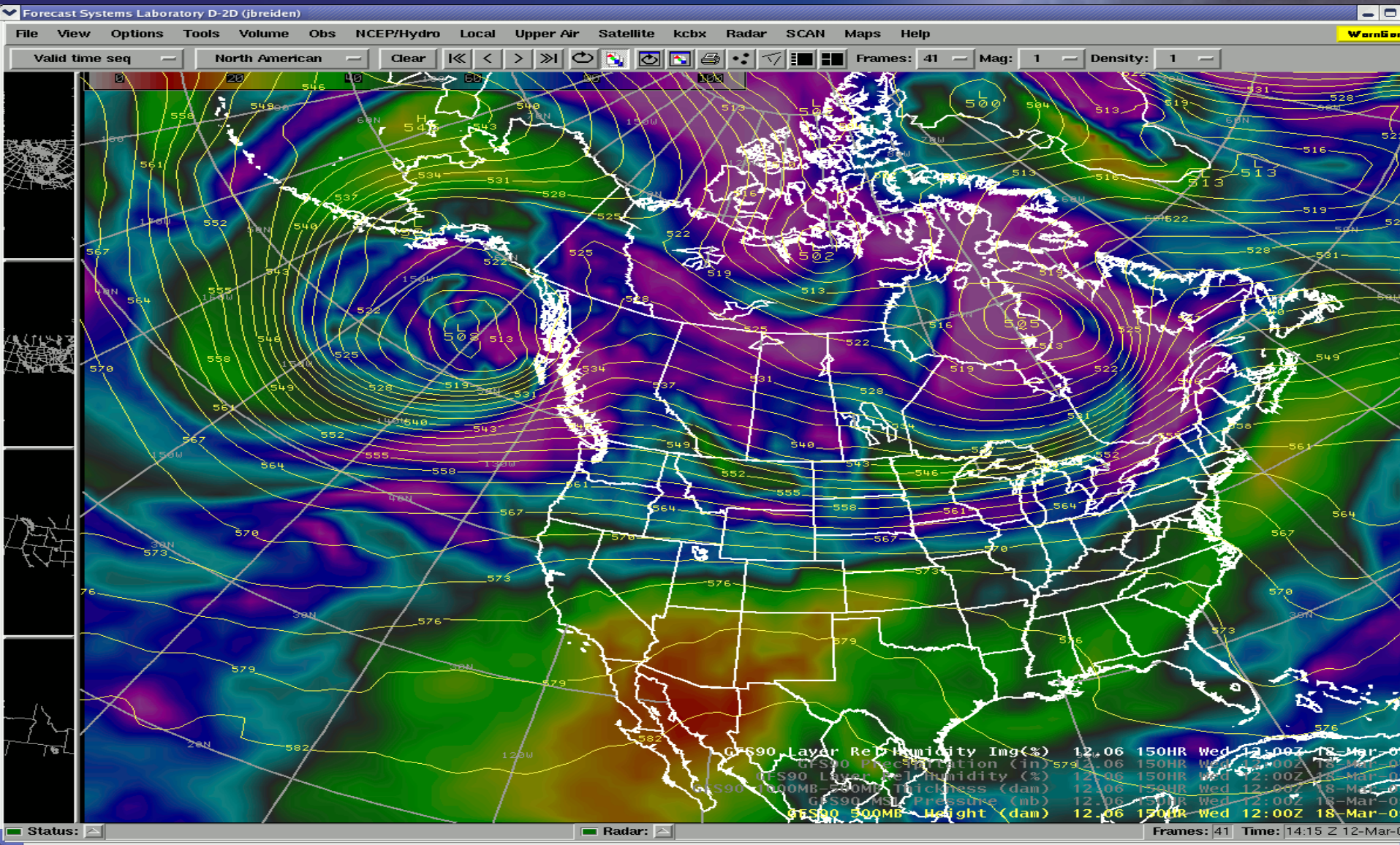
Monday Mar 16th



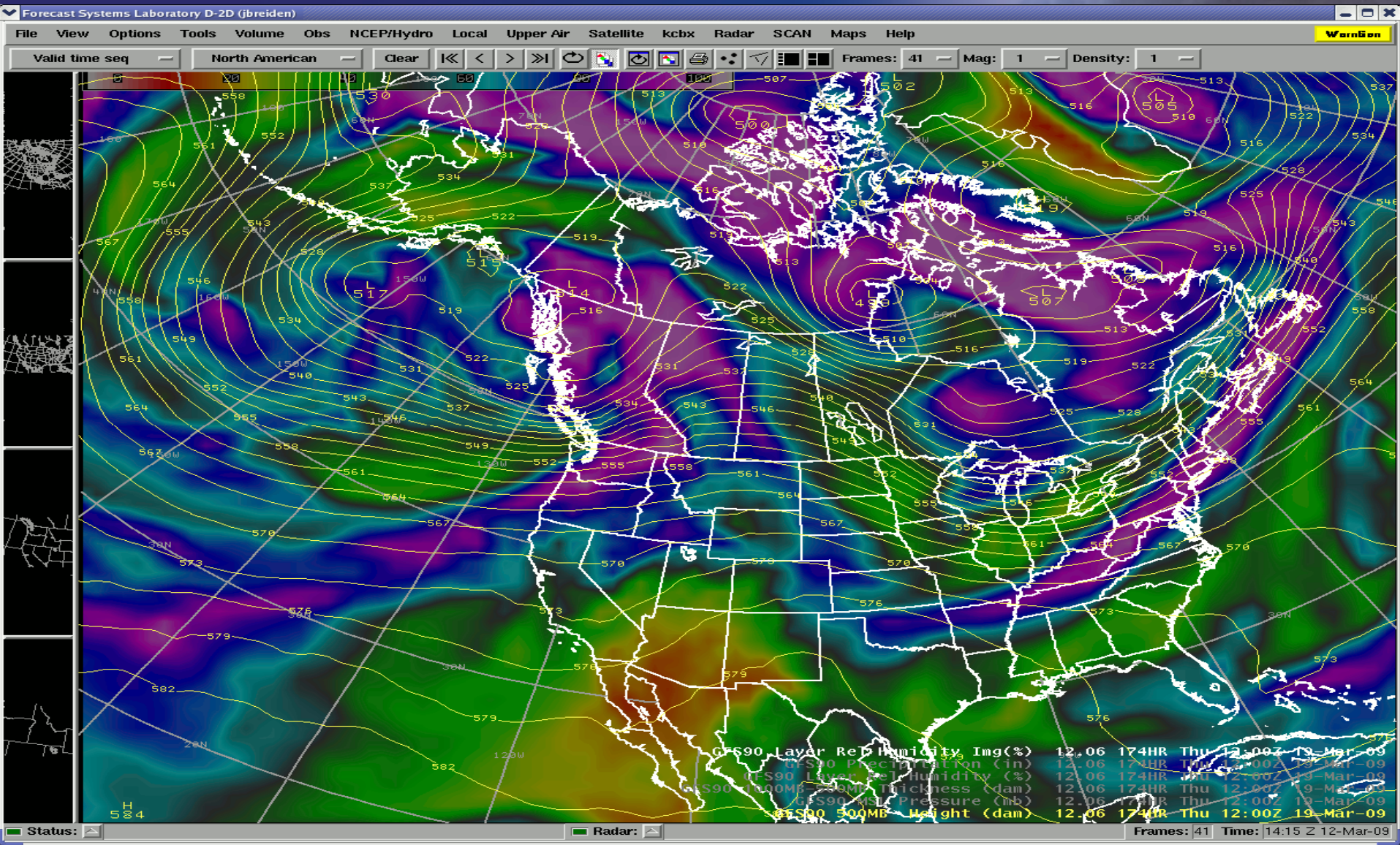
Tuesday Mar 17th



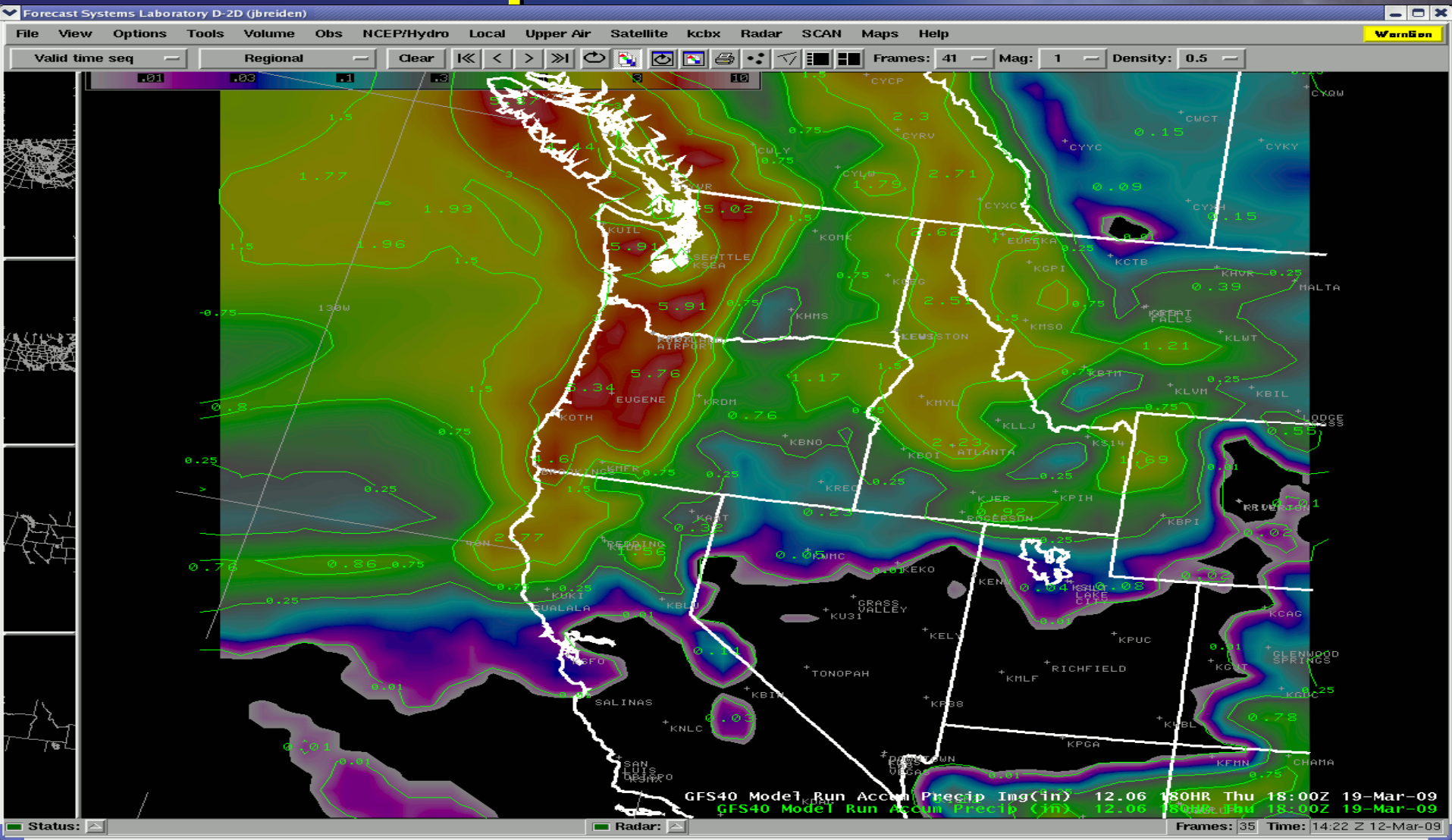
Wednesday Mar 18th



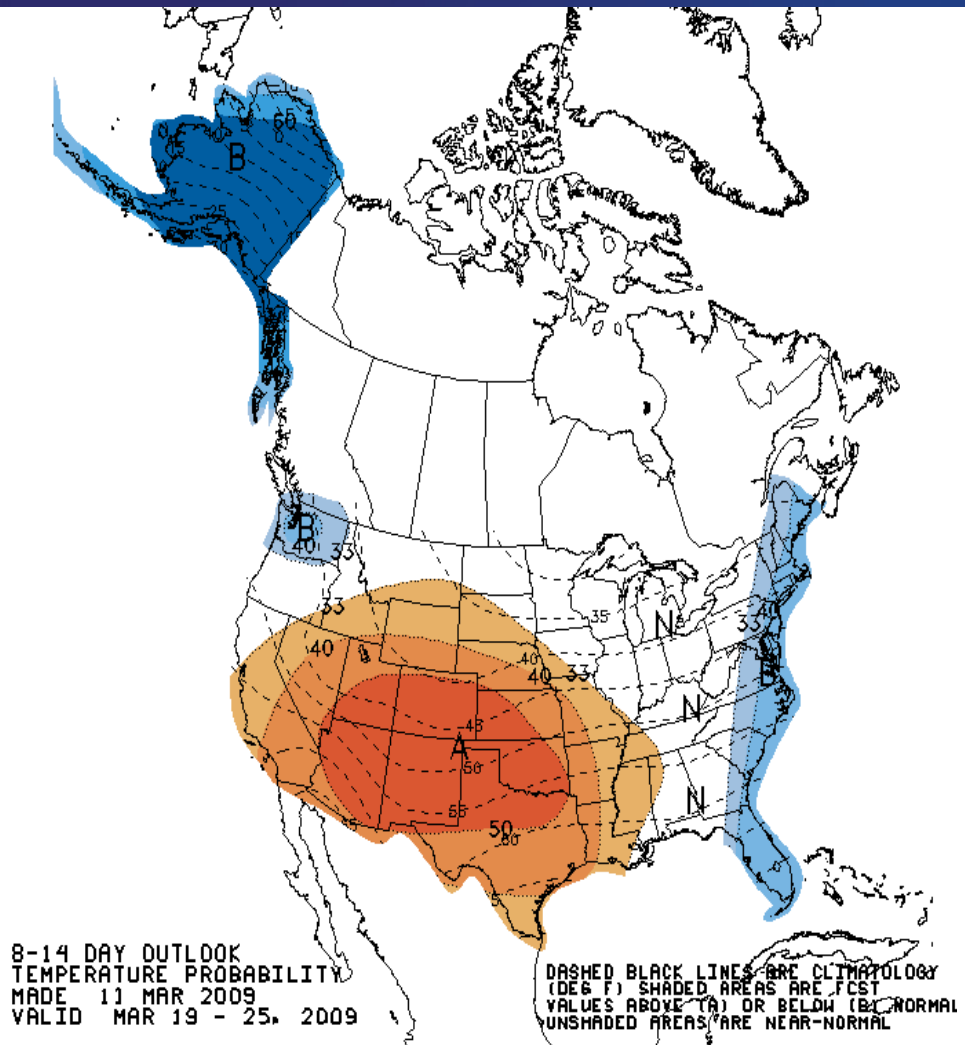
Thursday Mar 19th

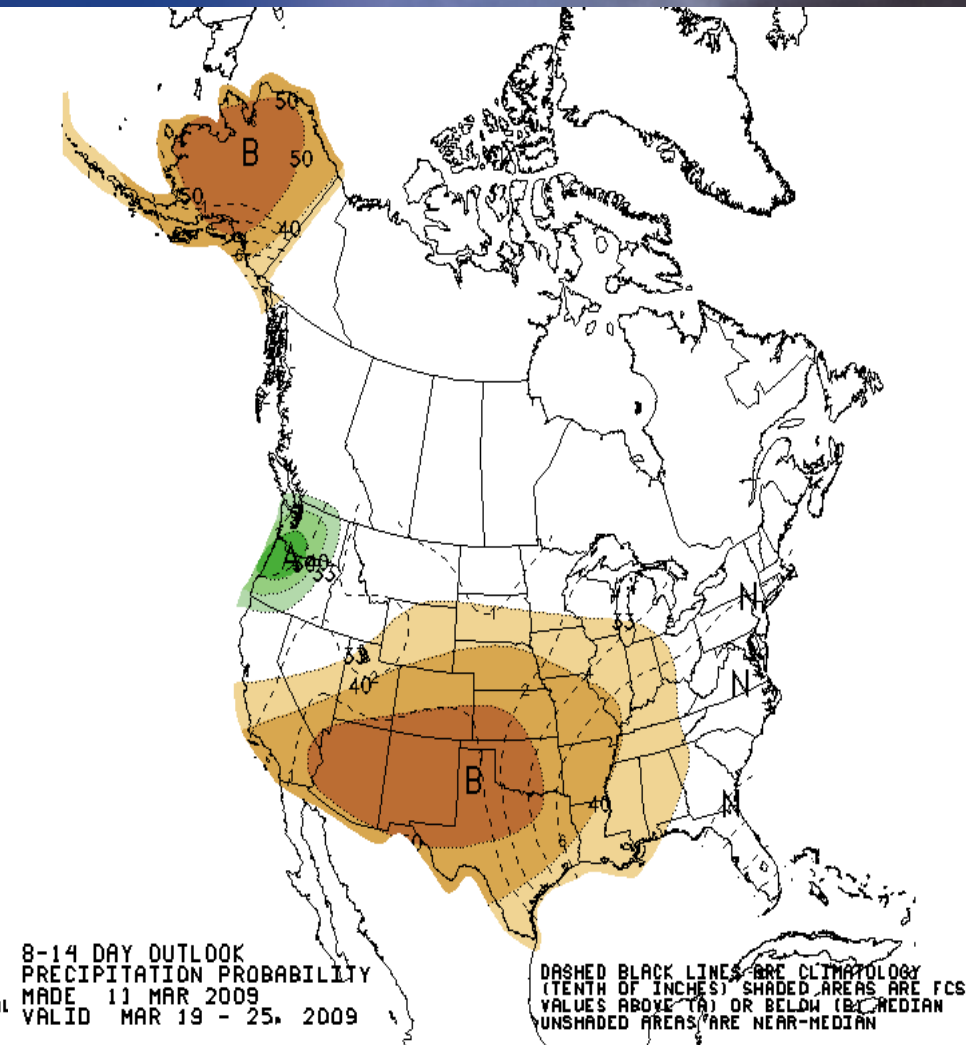


7 Day Cumulative Precipitation Forecast



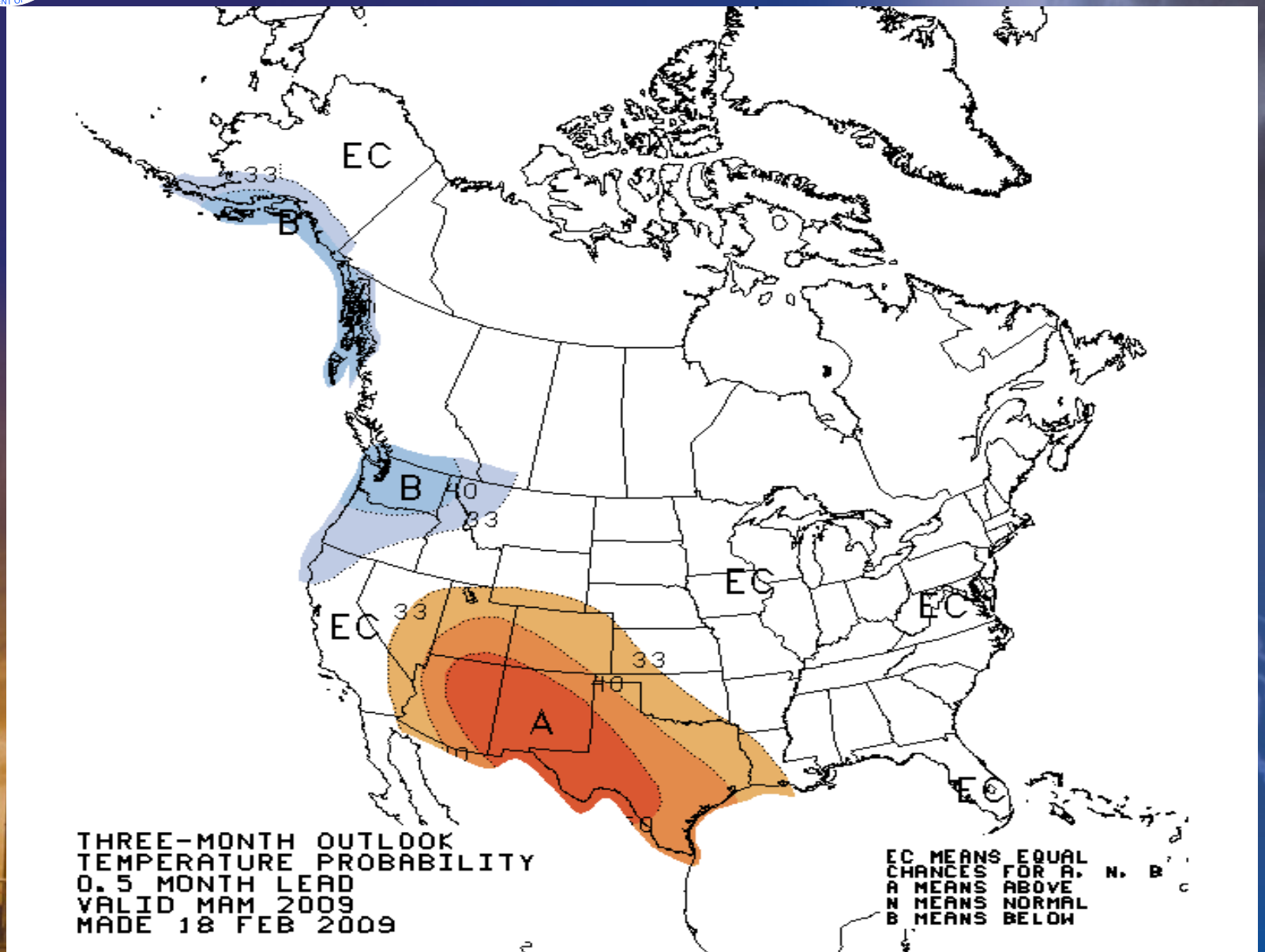
Temperature and Precipitation Outlook from 8 to 14 days



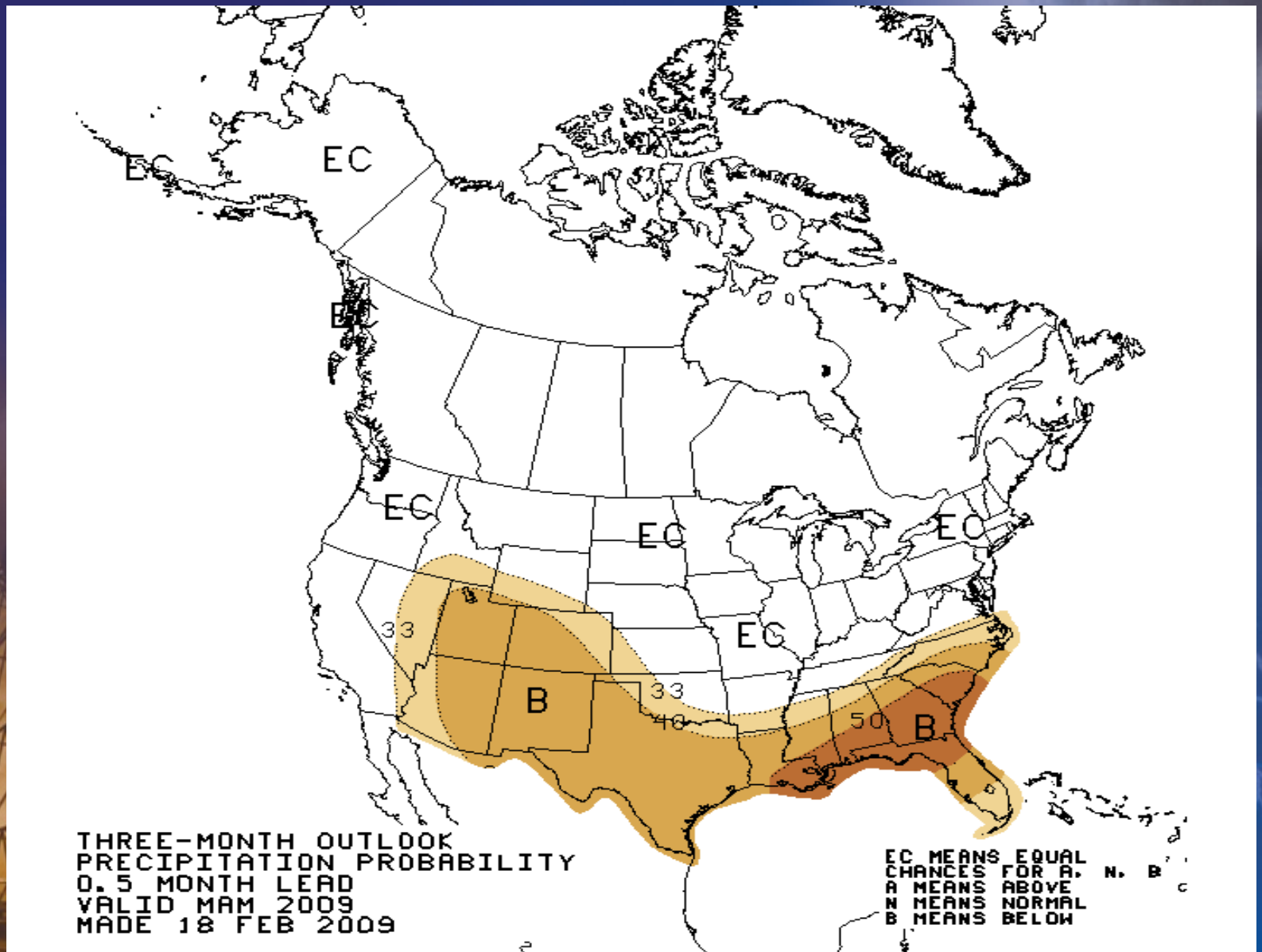


Most Recent Seasonal Temperature Outlook

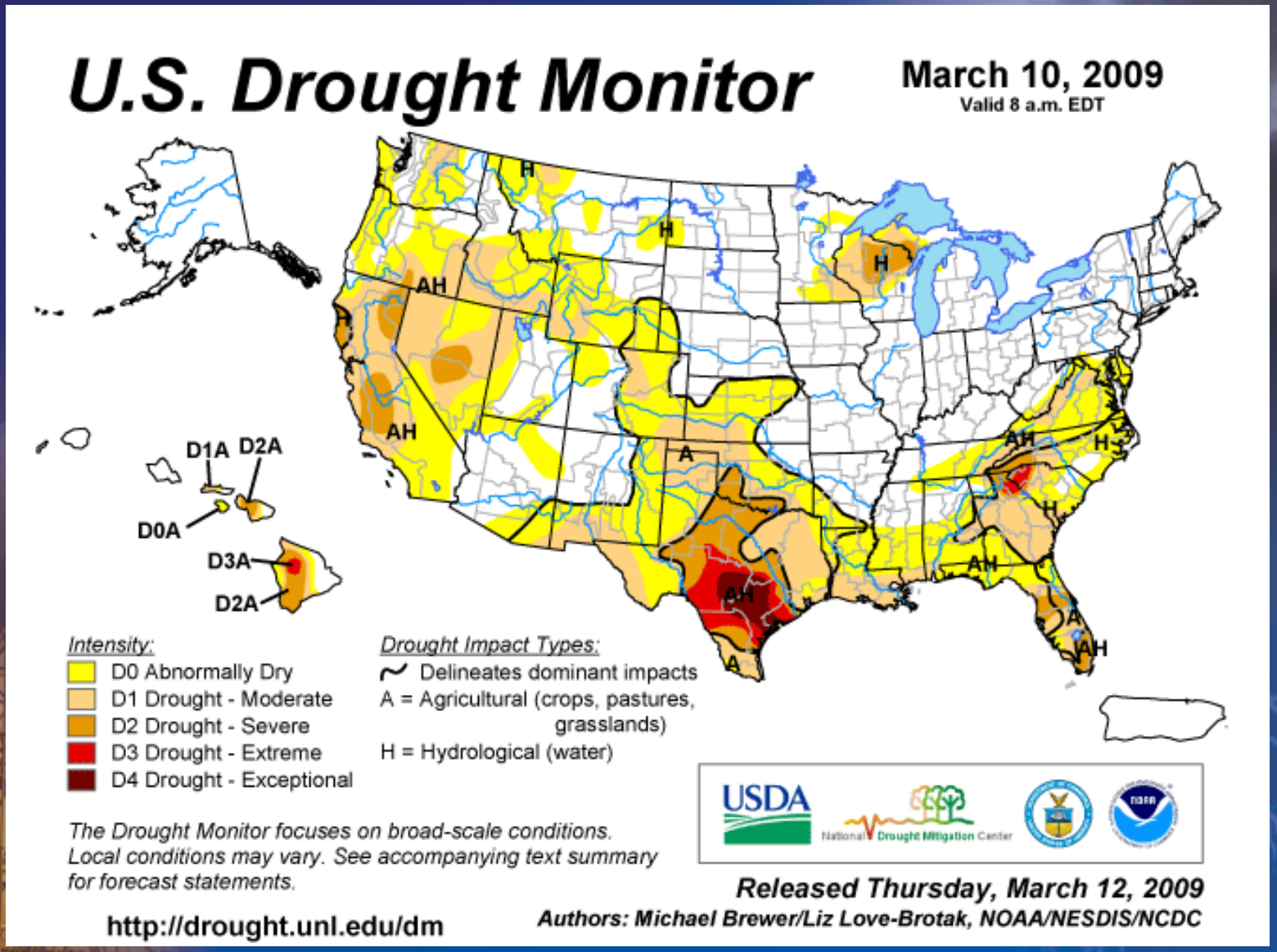
March through May 2009



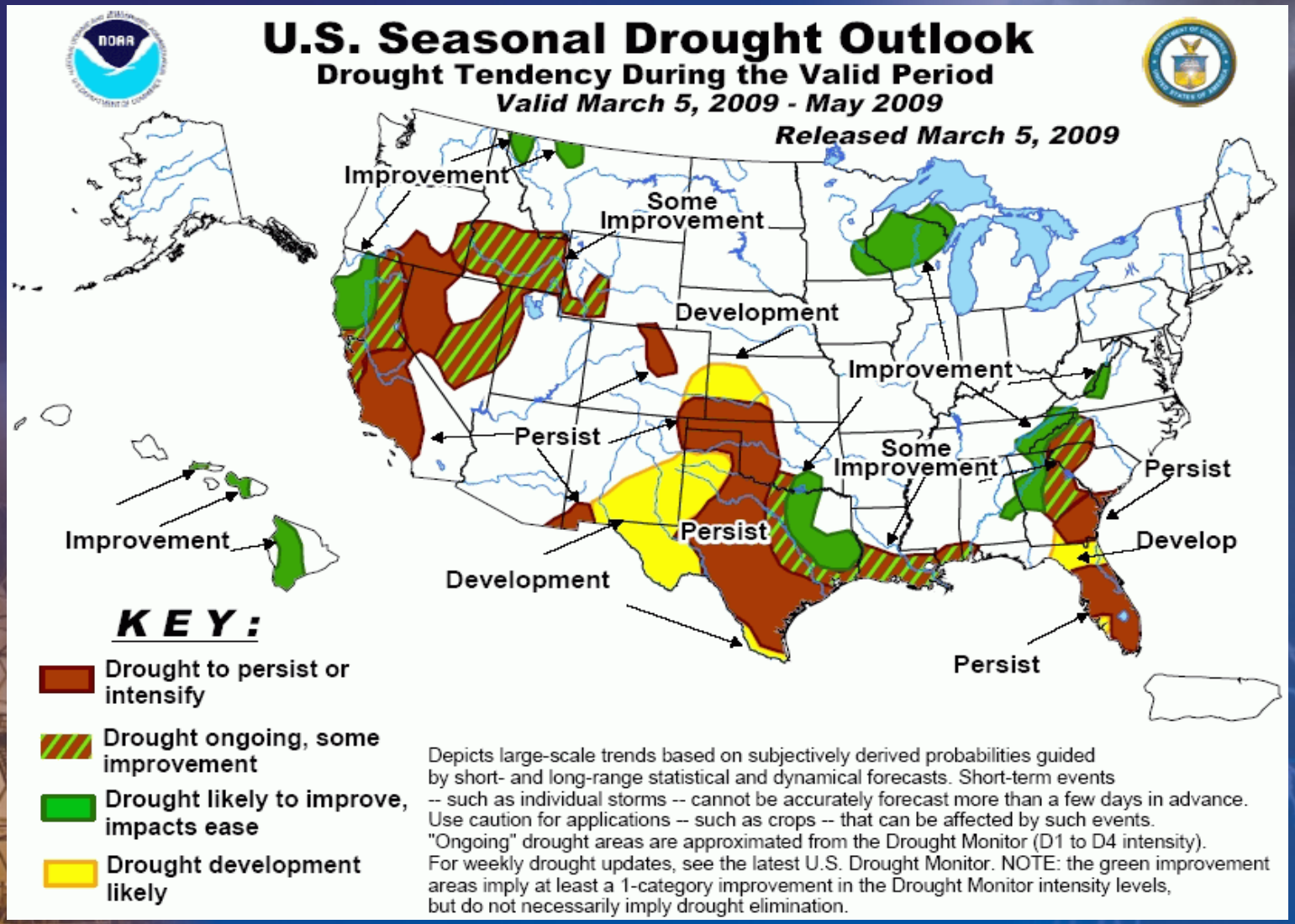
Most Recent Seasonal Precipitation Outlook March through May 2009



Drought Situation



Drought Outlook



Summary

- February very dry.
- March total precipitation expected to be near normal.
- Water Supply and Peak Stream Flow Forecasts have declined since last month. -Further Decline Unlikely.
- Idaho Spring Flood Threat – Below Average
- Lingering drought in the southern portion of state – may persist this summer.

Current Information on Web

www.weather.gov/boise

www.nwrfc.noaa.gov/westernwater

RECLAMATION

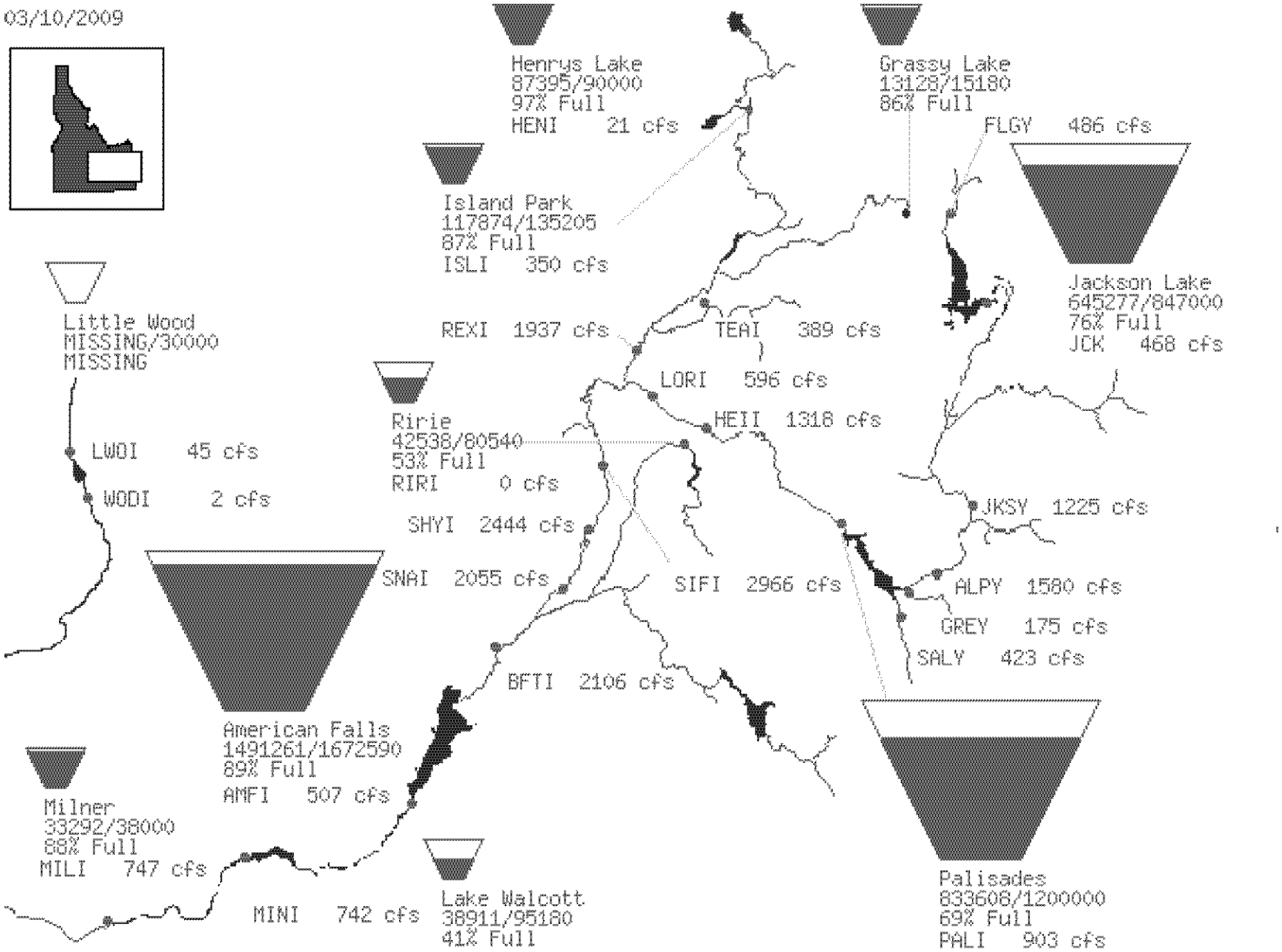
Managing Water in the West

Water Supply Outlook
March 12, 2009

Michael Beus
Upper Snake River Field Office

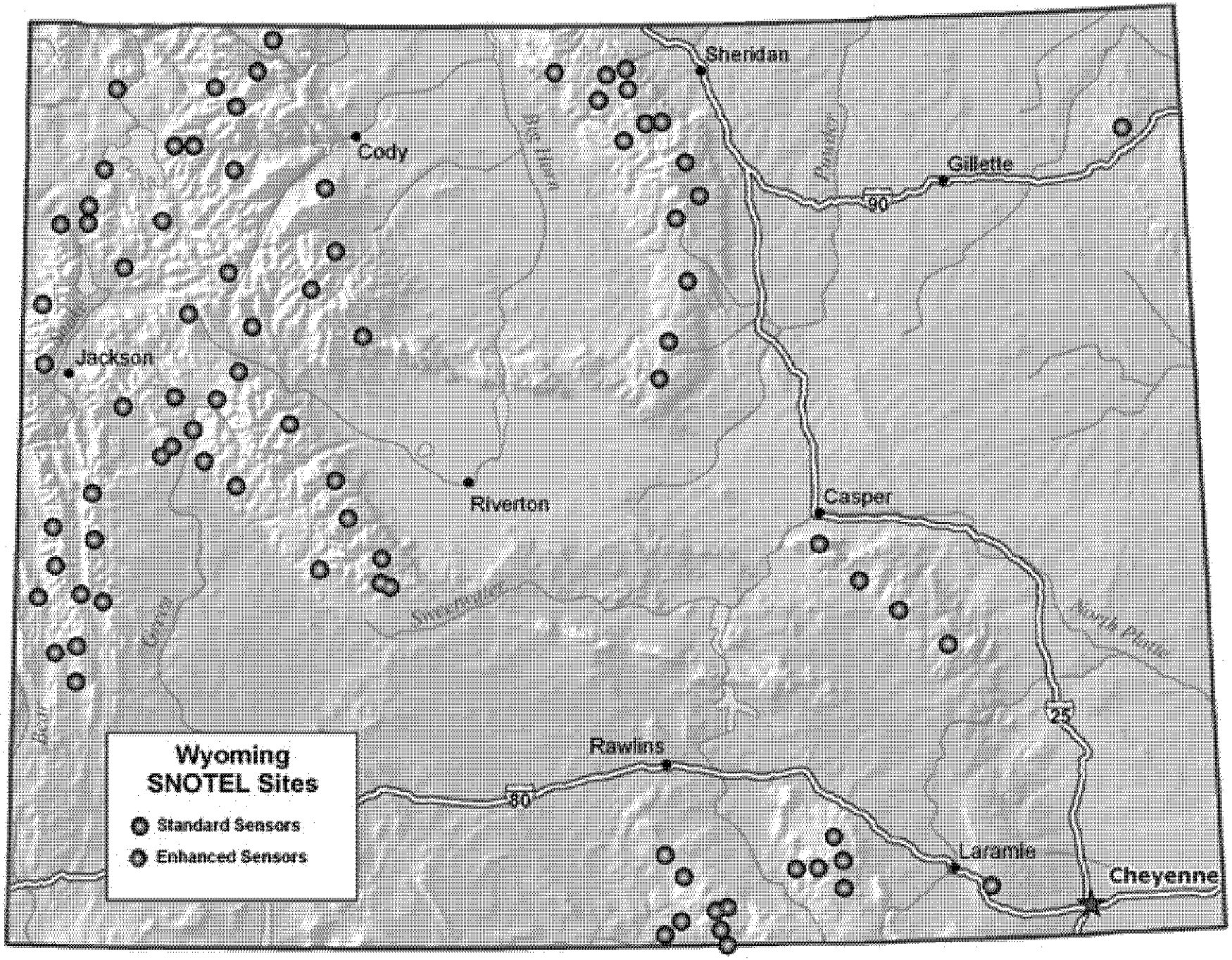
U.S. Department of the Interior
Bureau of Reclamation

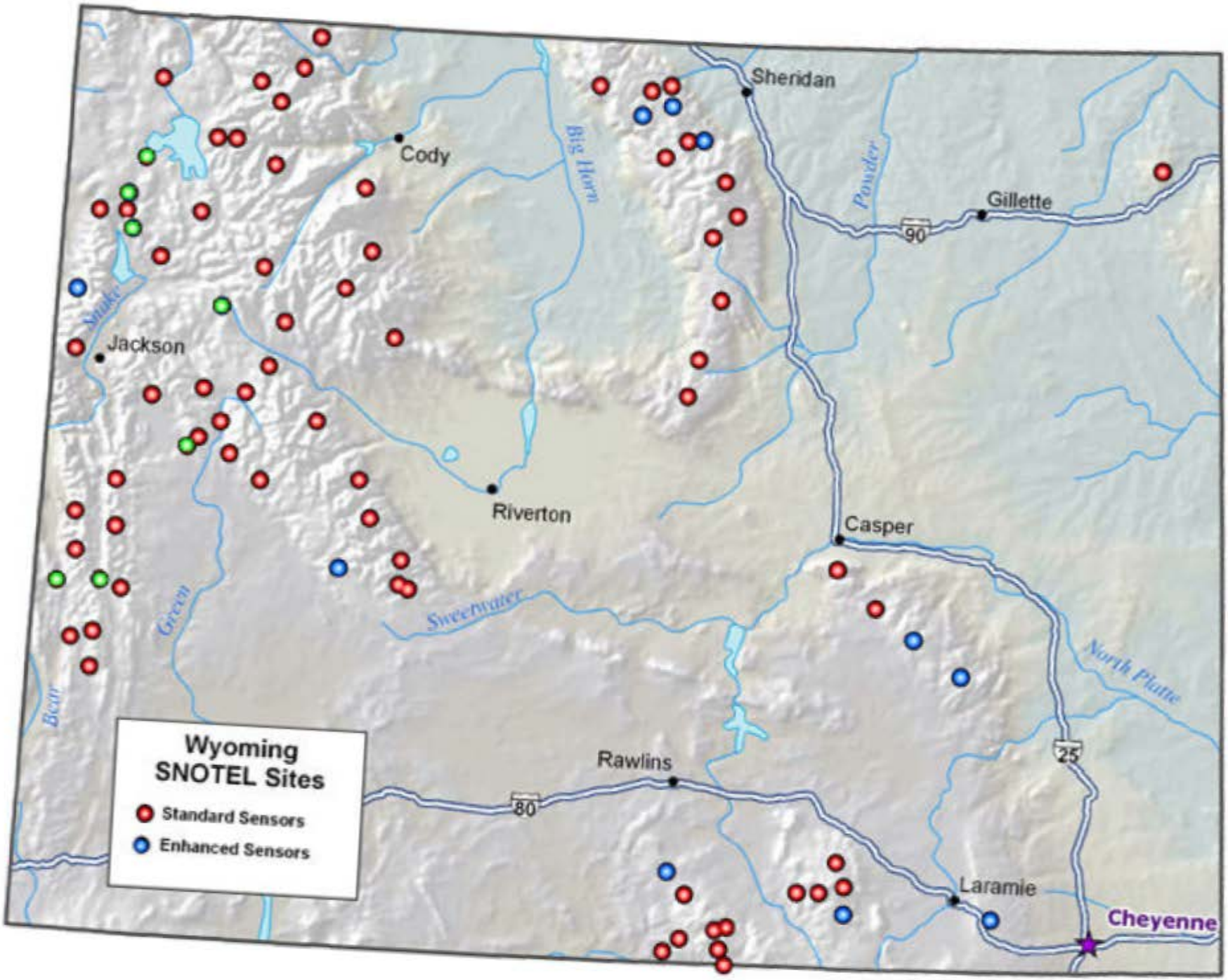
03/10/2009

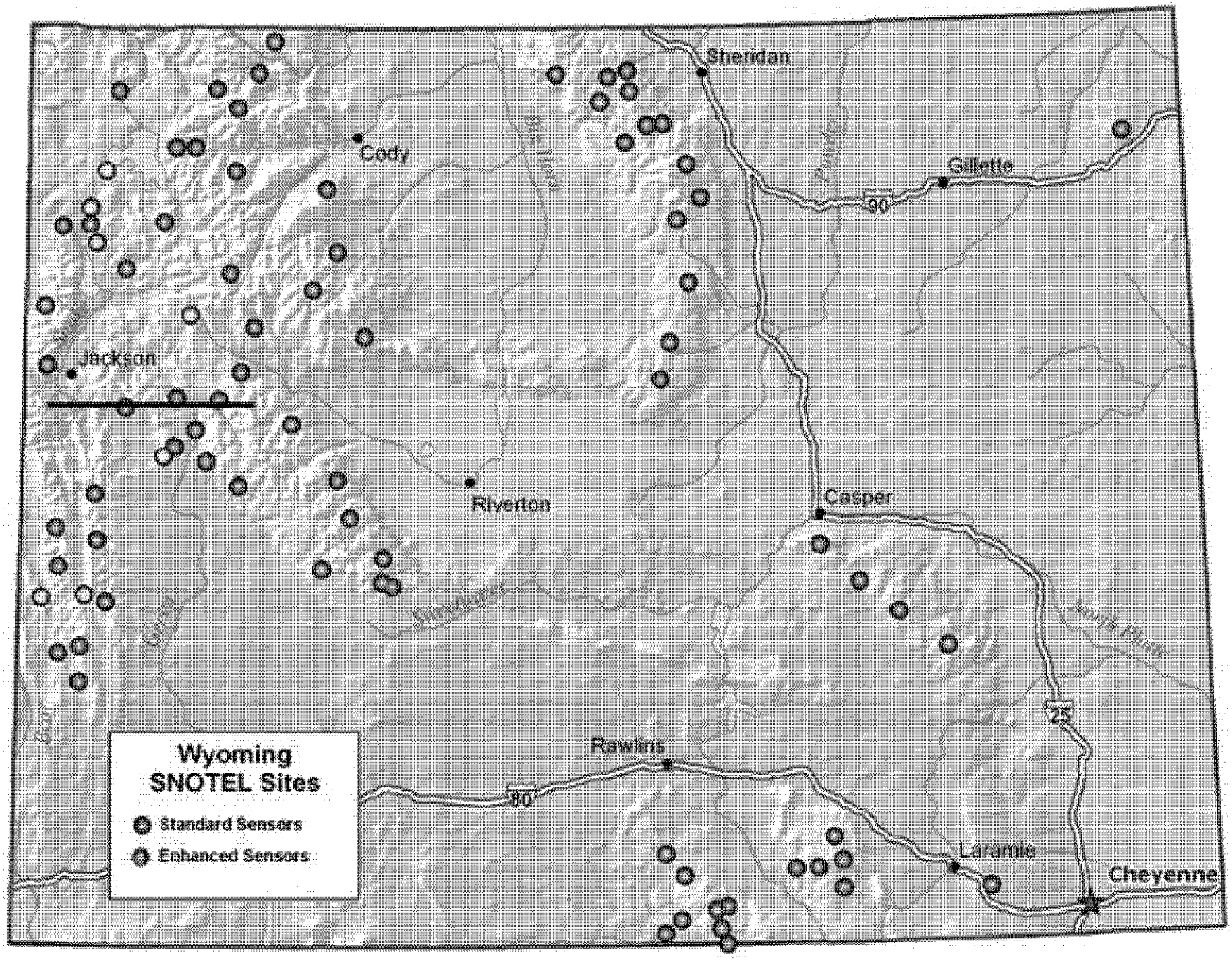

Henrys Lake
87395/90000
97% Full
HENI 21 cfs
Grassy Lake
13128/15180
86% Full
FLGY 486 cfs
Island Park
117874/135205
87% Full
ISLI 350 cfs
Jackson Lake
645277/847000
76% Full
JCK 468 cfs
Little Wood
MISSING/30000
MISSING
REXI 1937 cfs
TEAI 389 cfs
LORI 596 cfs
HEII 1318 cfs
Ririe
42538/80540
53% Full
RIRI 0 cfs
LWOI 45 cfs
WODI 2 cfs
JKSY 1225 cfs
SHYI 2444 cfs
SNAI 2055 cfs
SIFI 2966 cfs
ALPY 1580 cfs
GREY 175 cfs
SALY 423 cfs
BFTI 2106 cfs
American Falls
1491261/1672590
89% Full
AMFI 507 cfs
Milner
33292/38000
88% Full
MILI 747 cfs
MINI 742 cfs
Lake Walcott
38911/95180
41% Full
Palisades
833608/1200000
69% Full
PALI 903 cfs

Site Name	Elev (ft)	Snow Water Equivalent Current (in)	Snow Water Equivalent Average (in)	Snow Water Equivalent Pct of Avg	Year-to-Date Precipitation Current (in)	Year-to-Date Precipitation Average (in)	Year-to-Date Precipitation Pct of Avg
SNAKE BASIN ABOVE PALISADES							
BLIND BULL SUM	8650	21.9	25	88	17.4	20.1	87
COTTONWOOD CREEK	7670	22.7	20.6	110	26	24.5	106
EAST RIM DIVIDE	7930	8.5	11.8	72	10.9	10.9	100
GRANITE CREEK	6770	14.8	17.4	85	18.9	18.4	103
GRASSY LAKE	7265	28.1	31.9	88	30.4	32.8	93
GROS VENTRE SUMMIT	8750	10.2	12.5	82	12.3	11.5	107
GUNSIGHT PASS	9820	12.3	N/A	*	13	N/A	*
LEWIS LAKE DIVIDE	7850	24.7	31.9	77	27	33.5	81
LOOMIS PARK	8240	14.6	15.7	93	16.6	15.8	105
PHILLIPS BENCH	8200	22.5	25.8	87	24.3	26.2	93
SALT RIVER SUMMIT	7760	12.3	13	95	13.4	16.8	80
SNAKE RIVER STATION	6920	15.4	17.8	87	19.2	20.5	94
SPRING CREEK DIVIDE	9000	23.4	23.8	98	23	23.8	97
THUMB DIVIDE	7980	15.8	16.9	93	16.7	17.1	98
TOGWOTEE PASS	9580	23.5	22.2	106	25.5	22	116
TWO OCEAN PLATEAU	9240	30.8	24.9	124	23.8	25	95
WILLOW CREEK	8380	29.8	27.3	109	33.7	28.8	117
Basin-wide percent of average				94			97

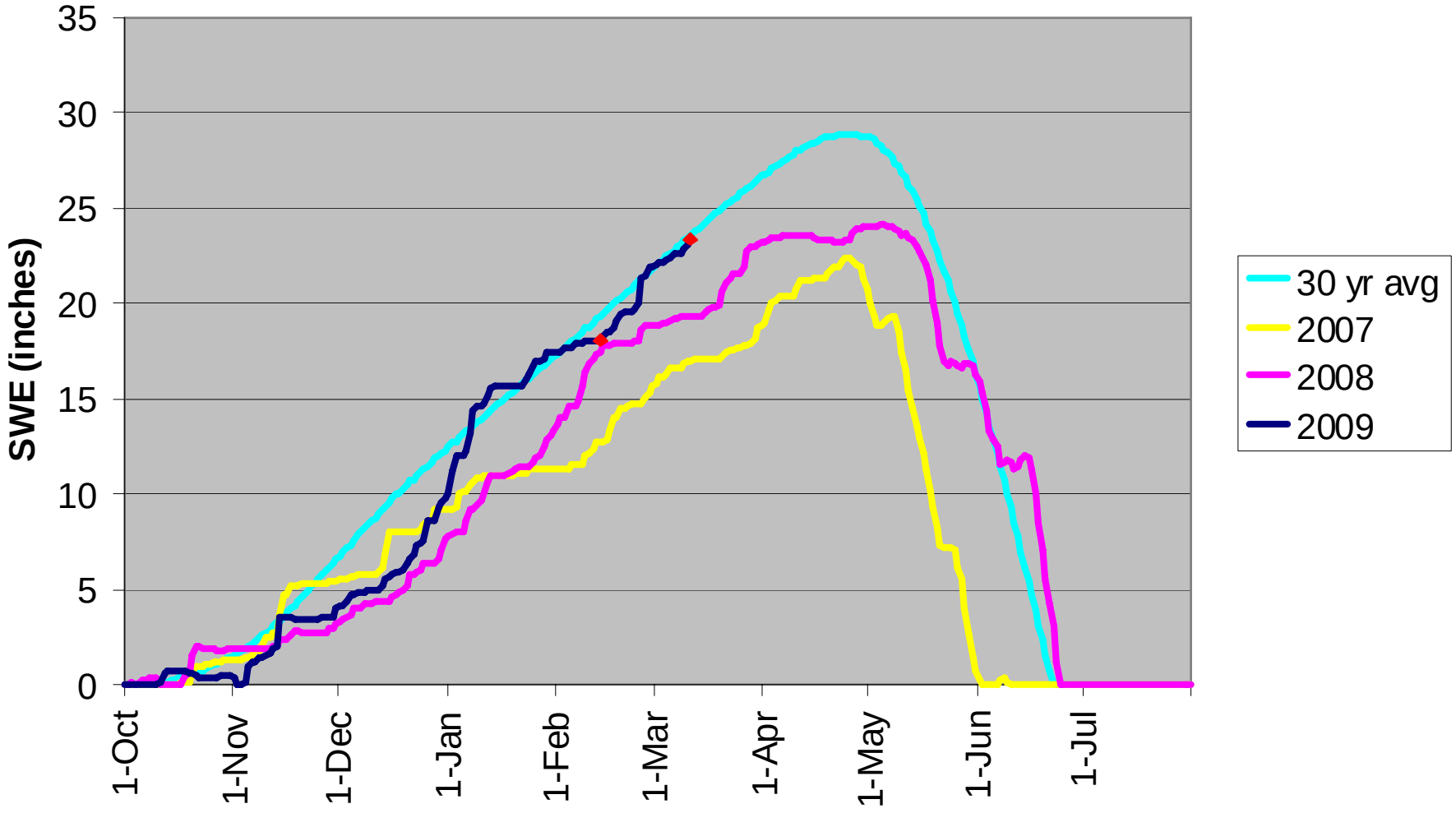
RECLAMATION


Wyoming
SNOTEL Sites
Standard Sensors
Enhanced Sensors
Sheridan
Cody
Gillette
Jackson
Riverton
Casper
Rawlins
Laramie
Cheyenne
90
80
25
Big Horn
Powder
Sweetwater
North Platte
Green
Bear

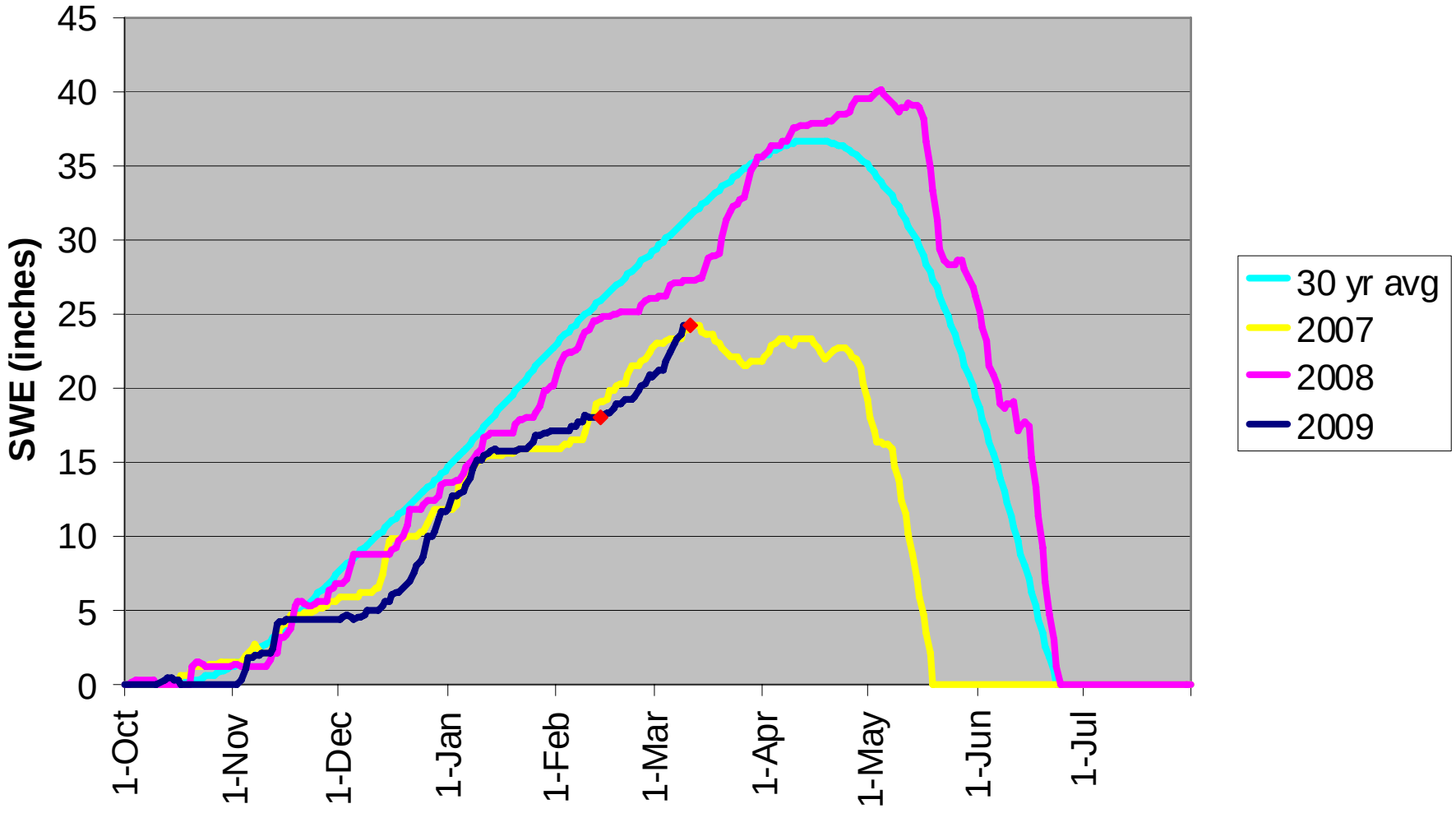

Wyoming
SNOTEL Sites
Standard Sensors
Enhanced Sensors
Sheridan
Cody
Big Horn
Powder
Gillette
90
Snake
Jackson
Riverton
Casper
Green
Sweetwater
North Platte
Bear
Rawlins
80
25
Laramie
Cheyenne


Sheridan
Cody
Gillette
90
Jackson
Riverton
Casper
Rawlins
80
25
Laramie
Cheyenne
Wyoming
SNOTEL Sites
Standard Sensors
Enhanced Sensors

Spring Creek Divide SnoTel



Lewis Lake Divide SnoTel

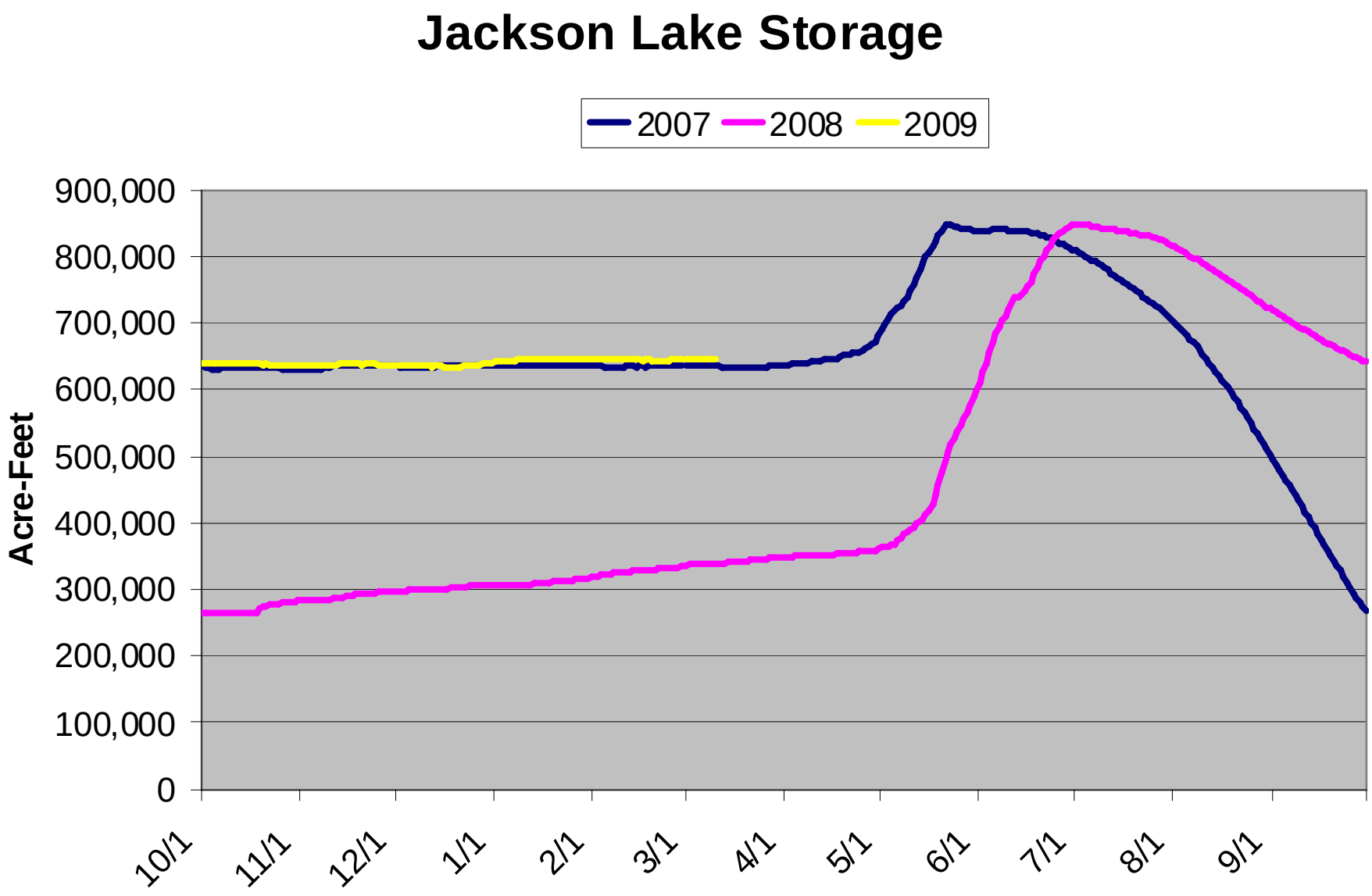


MONTHLY FORECAST SUMMARY
MARCH 1 2009

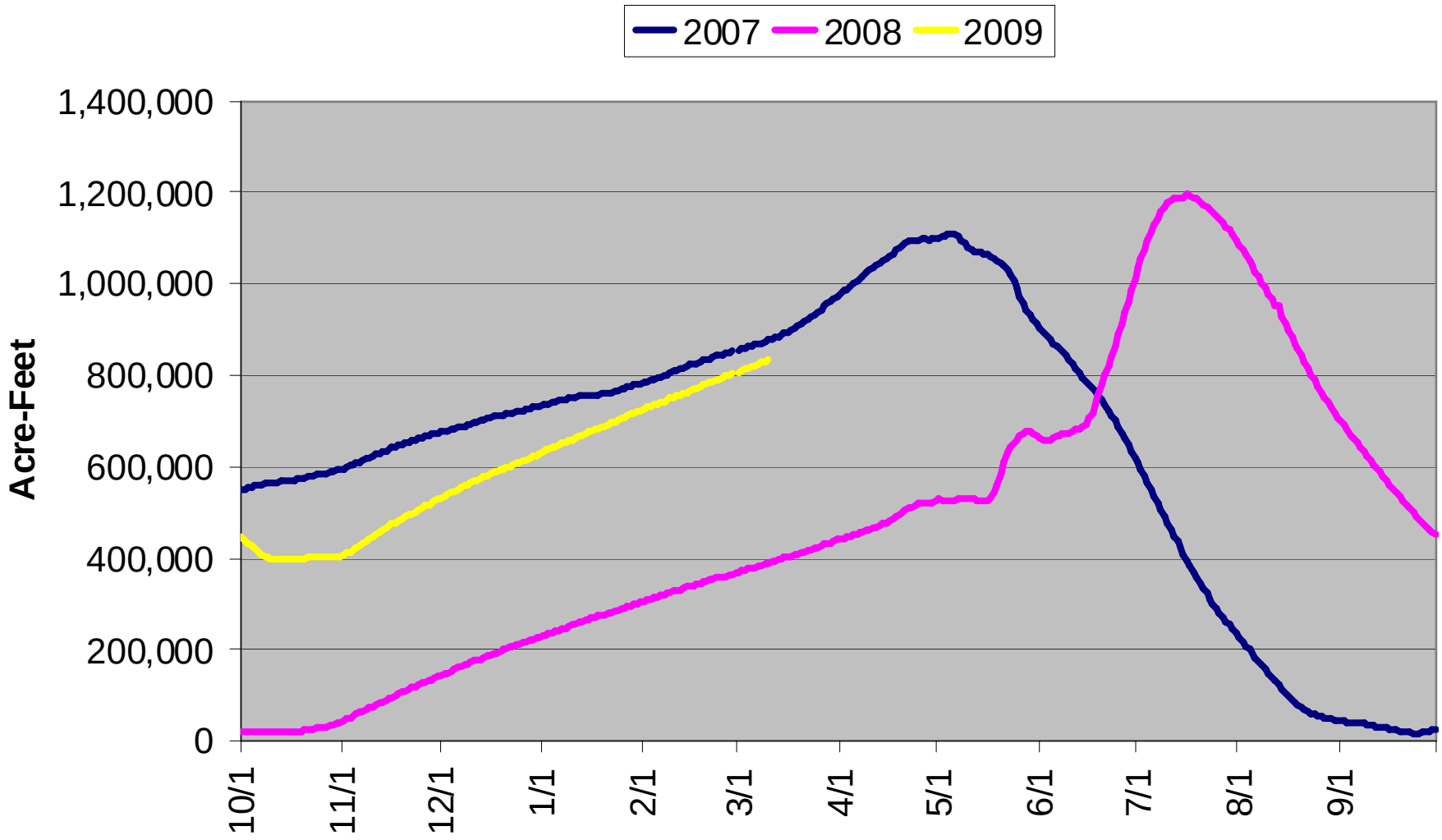
FORECAST	FORECAST PERIOD	1971-2000 AVERAGE (1000AF)	NORMAL SUBSEQUENT CONDITIONS FORECAST (1000AF)	NORMAL SUBSEQUENT CONDITIONS PERCENT NORMAL	120% NORMAL SUBSEQUENT CONDITIONS FORECAST (1000AF)	120% NORMAL SUBSEQUENT CONDITIONS PERCENT NORMAL	80% NORMAL SUBSEQUENT CONDITIONS FORECAST (1000AF)	80% NORMAL SUBSEQUENT CONDITIONS PERCENT NORMAL
		AVE	NORM	%	HIGH	%	LOW	%
HEISE	MAR-JUL	3771.0	3500.0 ***	93	3704.5	98	3045.5	81
ISLAND PARK	MAR-JUL	266.9	226.0	85	267.5	100	183.7	69
JACKSON LAKE	MAR-JUL	847.8	671.6	79	740.6	87	602.5	71
LITTLE WOOD	MAR-JUL	96.5	77.0 ***	79				
RIRIE_NEW	MAR-JUN	88.1	70.0 ***	79				
TETON	MAR-JUL	442.8	401.6	91	439.5	99	363.7	82

*** Coordinated with Corp of Engineers

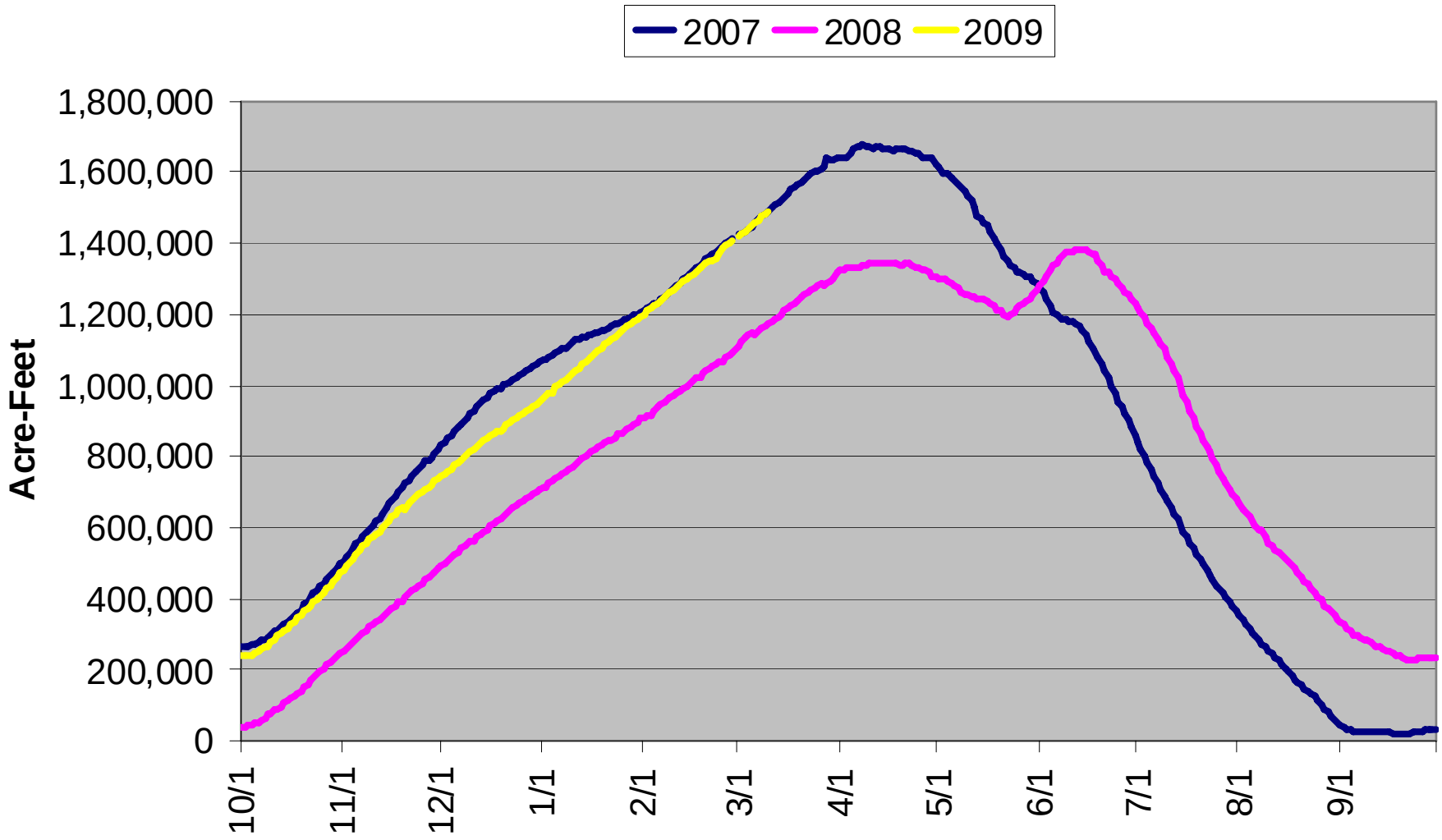
RECLAMATION


Jackson Lake Storage
2007
2008
2009
Acre-Feet
900,000
800,000
700,000
600,000
500,000
400,000
300,000
200,000
100,000
0
10/1
11/1
12/1
1/1
2/1
3/1
4/1
5/1
6/1
7/1
8/1
9/1

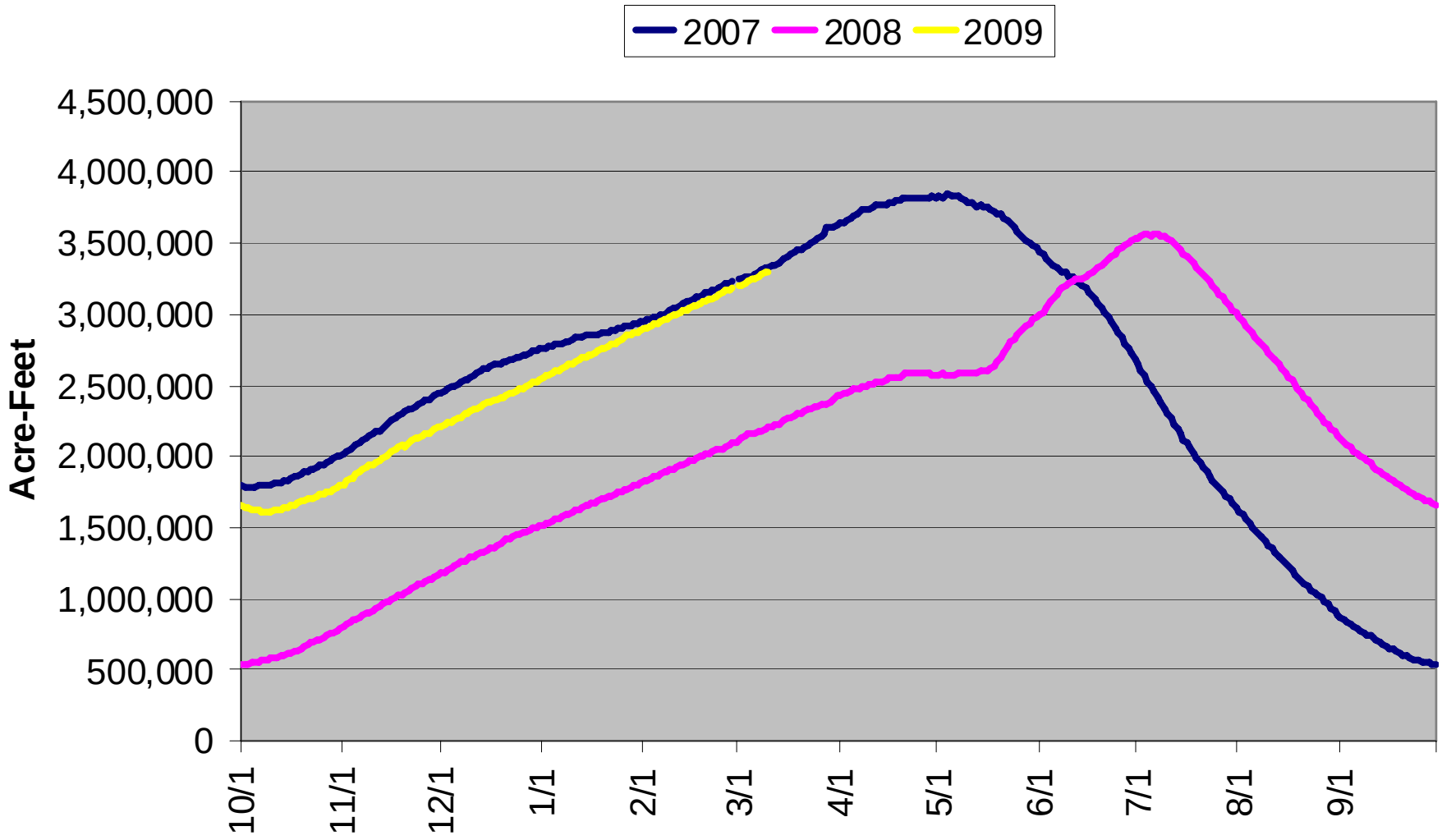
Palisades Reservoir Storage



American Falls Reservoir Storage



Snake River Storage above Milner



Questions?

RECLAMATION

RECLAMATION

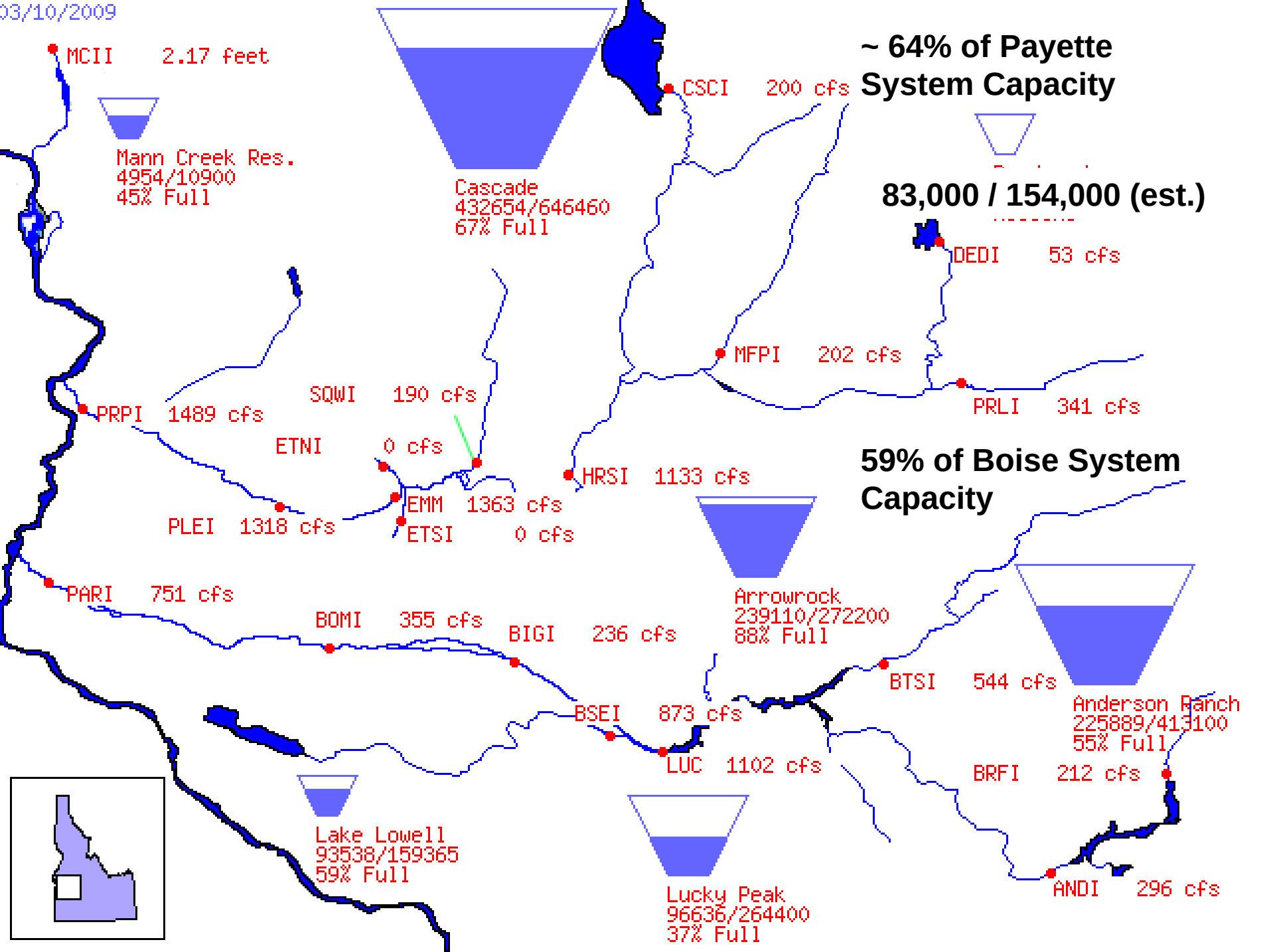
Managing Water in the West

Idaho Water Supply Committee Meeting

Southwest Idaho Report

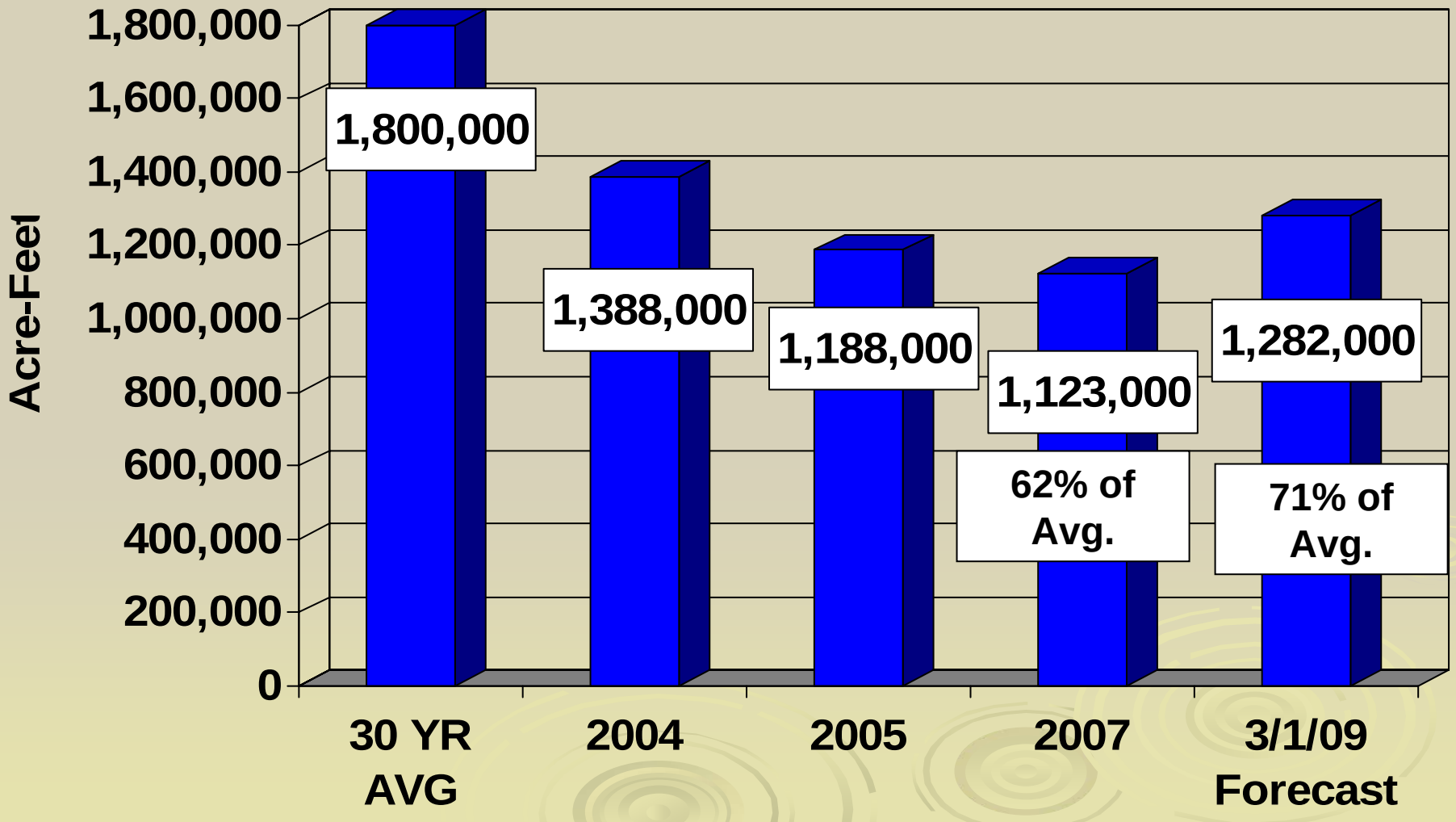
March 12, 2009

U.S. Department of the Interior
Bureau of Reclamation

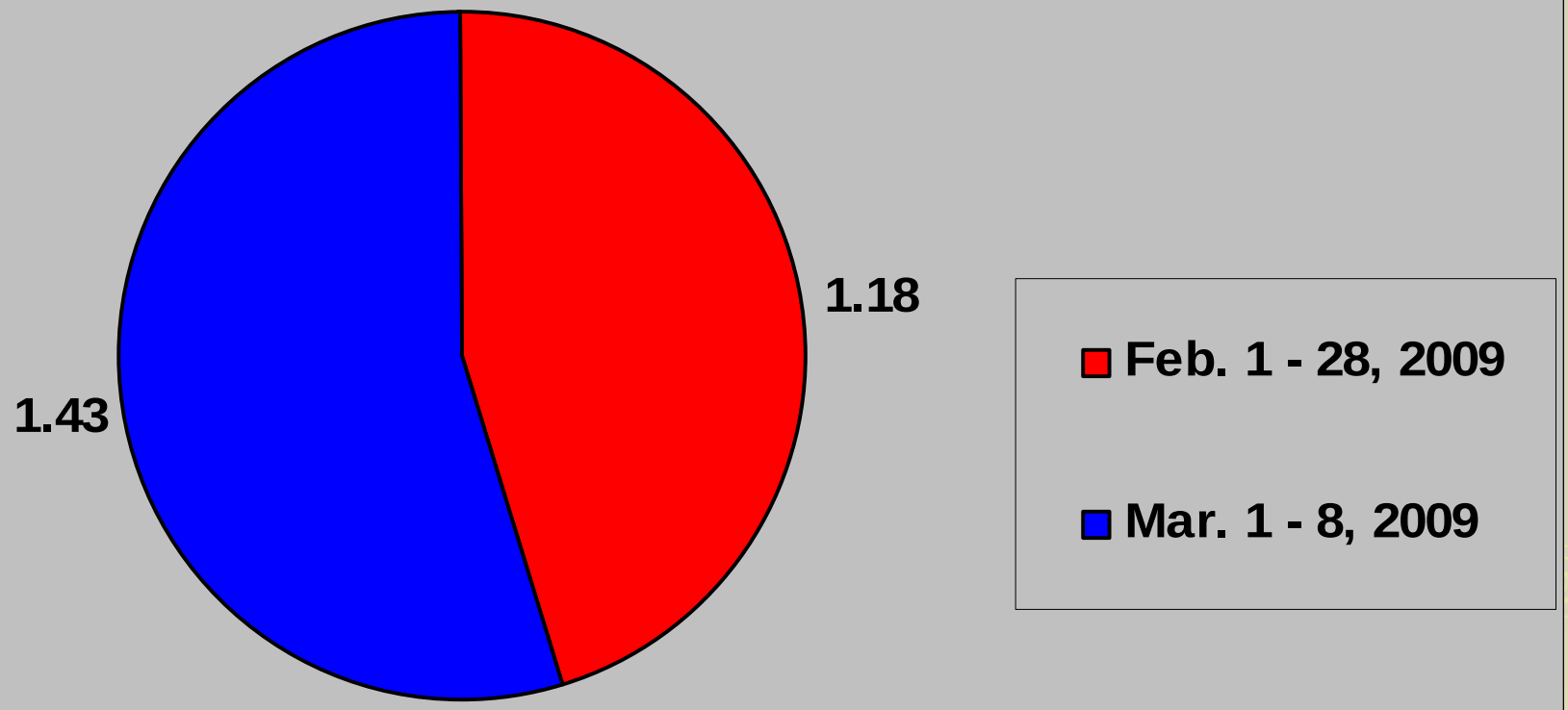

03/10/2009
MCII 2.17 feet
Mann Creek Res.
4954/10900
45% Full
Cascade
432654/646460
67% Full
CSCI 200 cfs
~ 64% of Payette System Capacity
83,000 / 154,000 (est.)
DEDI 53 cfs
MFPI 202 cfs
PRLI 341 cfs
SQWI 190 cfs
PRPI 1489 cfs
ETNI 0 cfs
HRSI 1133 cfs
59% of Boise System Capacity
EMM 1363 cfs
ETSI 0 cfs
PLEI 1318 cfs
PARI 751 cfs
Arrowrock
239110/272200
88% Full
BOMI 355 cfs
BIGI 236 cfs
BTSI 544 cfs
Anderson Ranch
225889/413100
55% Full
BSEI 873 cfs
LUC 1102 cfs
BRFI 212 cfs
Lake Lowell
93538/159365
59% Full
Lucky Peak
96636/264400
37% Full
ANDI 296 cfs

Payette River Runoff at Horseshoe Bend

March 1 – July 31

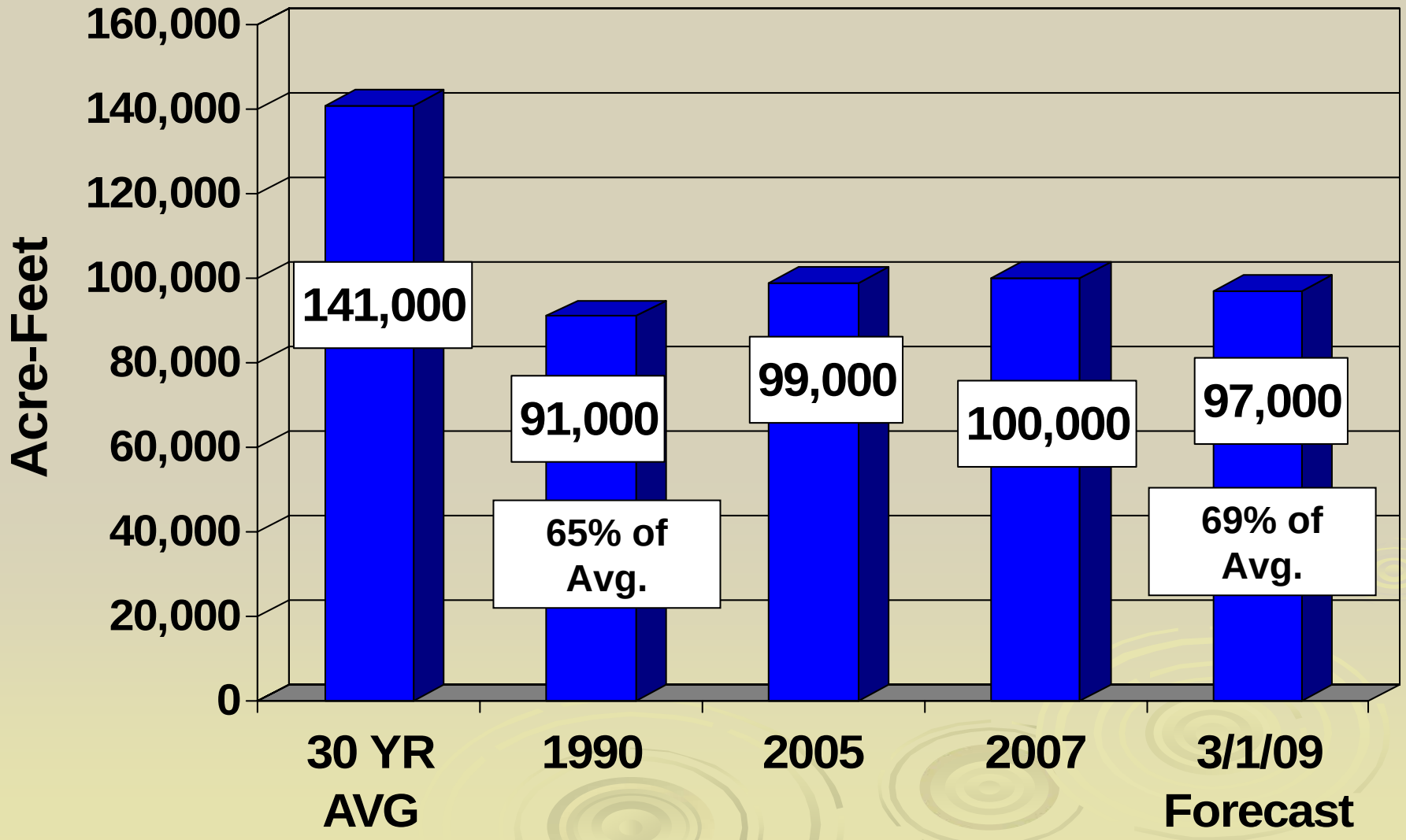


Cascade Dam Precipitation (inches)

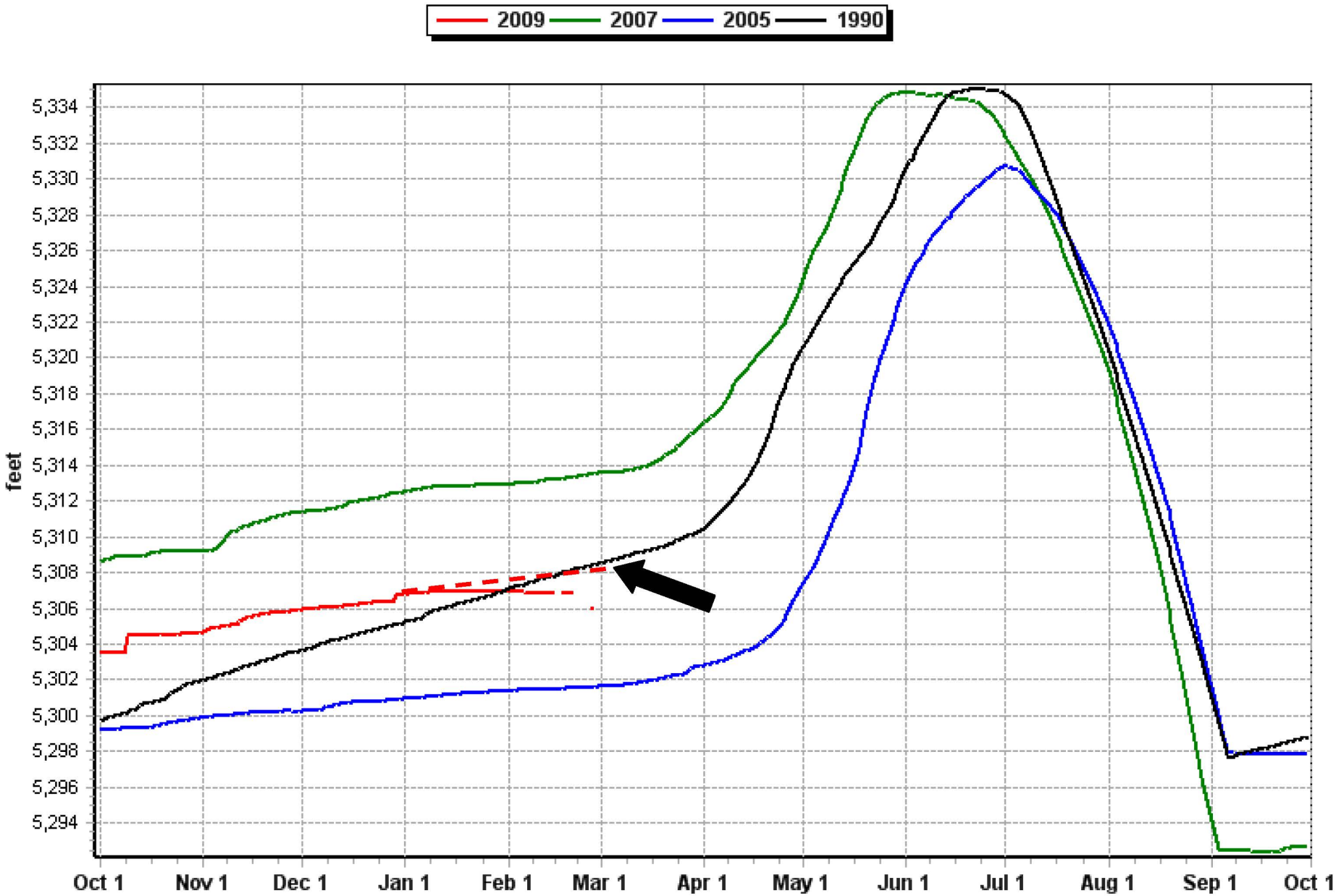


Deadwood Reservoir Inflows

March 1 – July 31

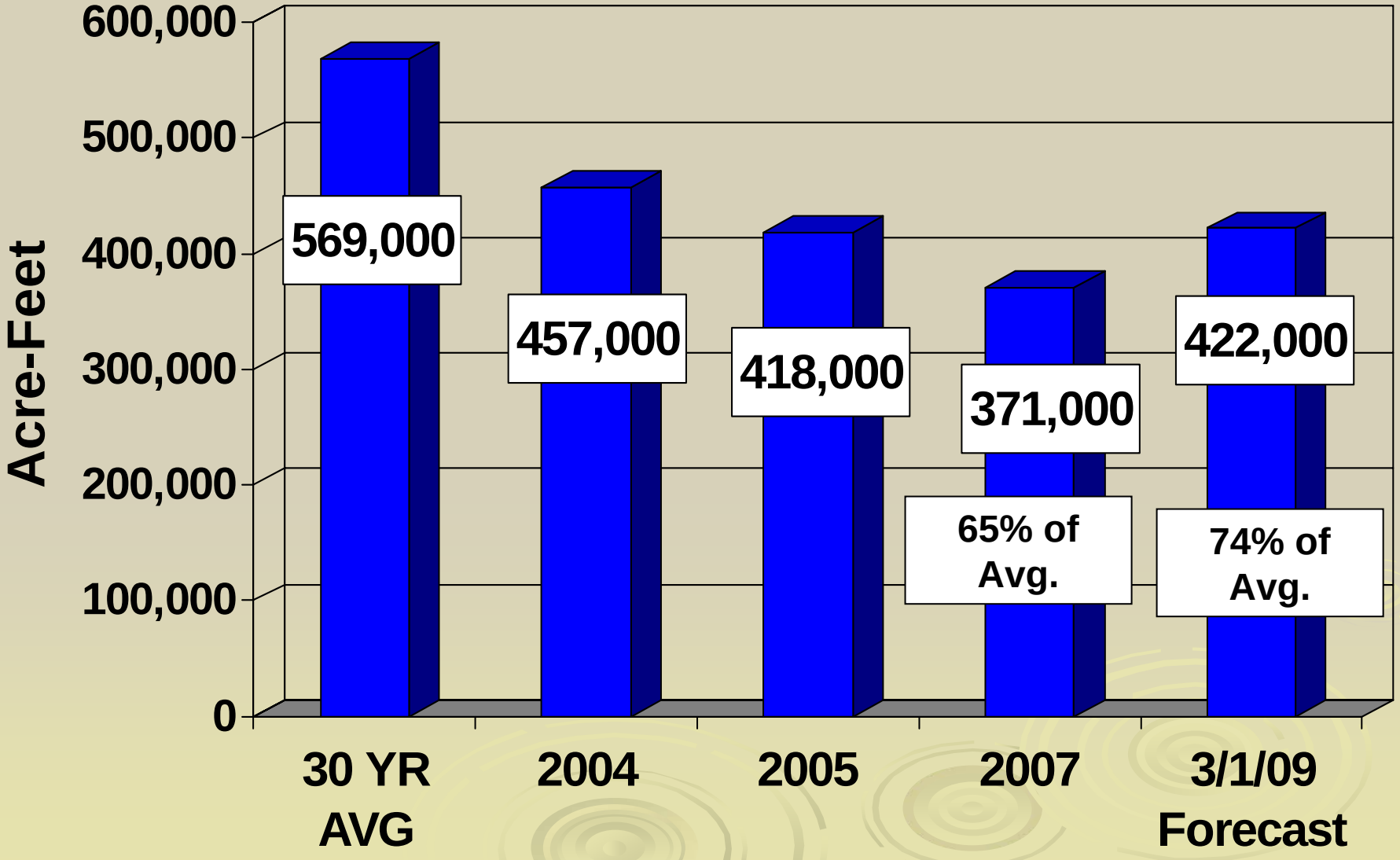


Deadwood Reservoir Elevation
(full pool = 5334 ft.)

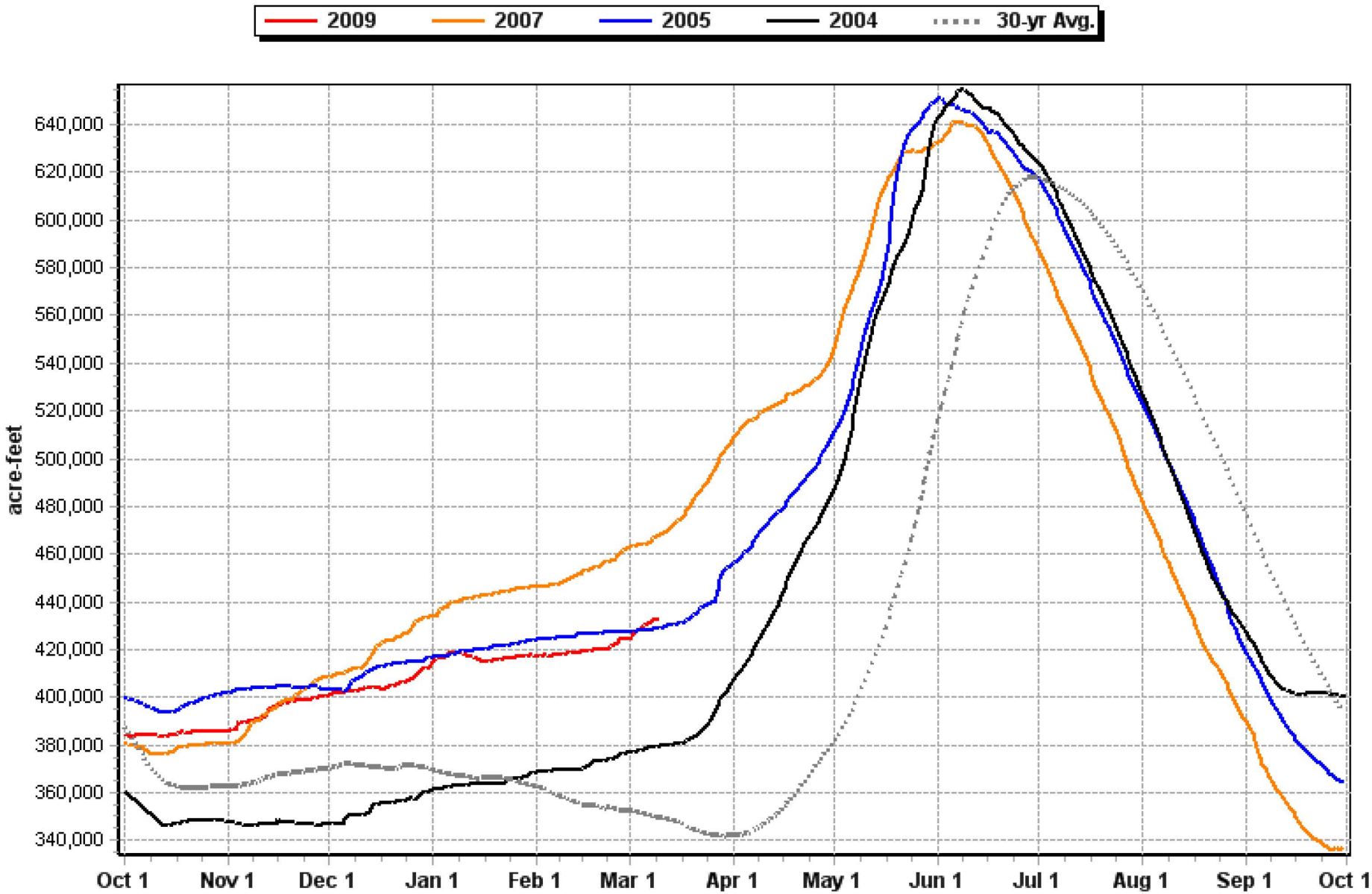


Cascade Reservoir Inflows

March 1 – July 31

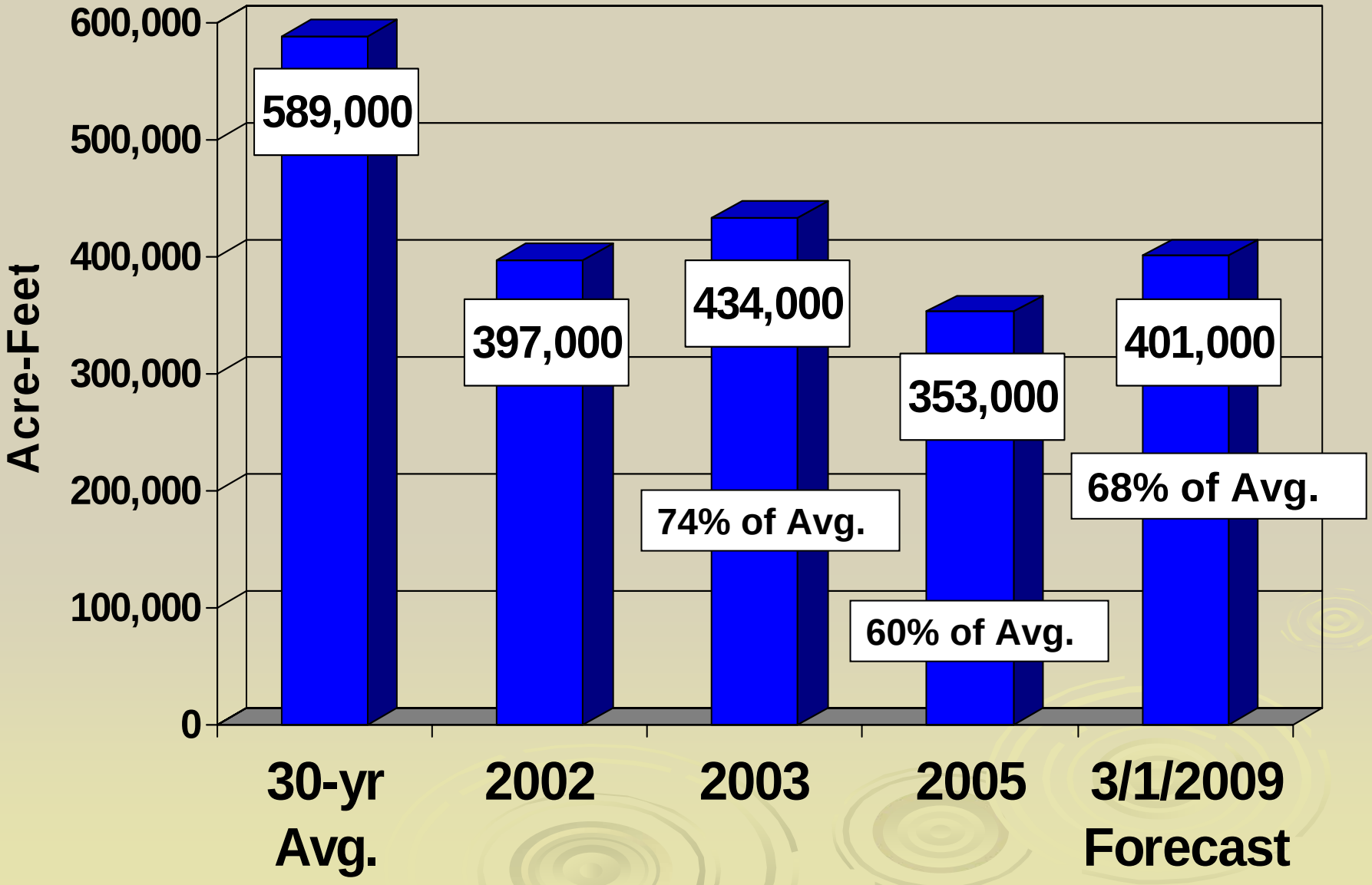


Cascade Reservoir Storage
(capacity = 646,460 ac-ft)

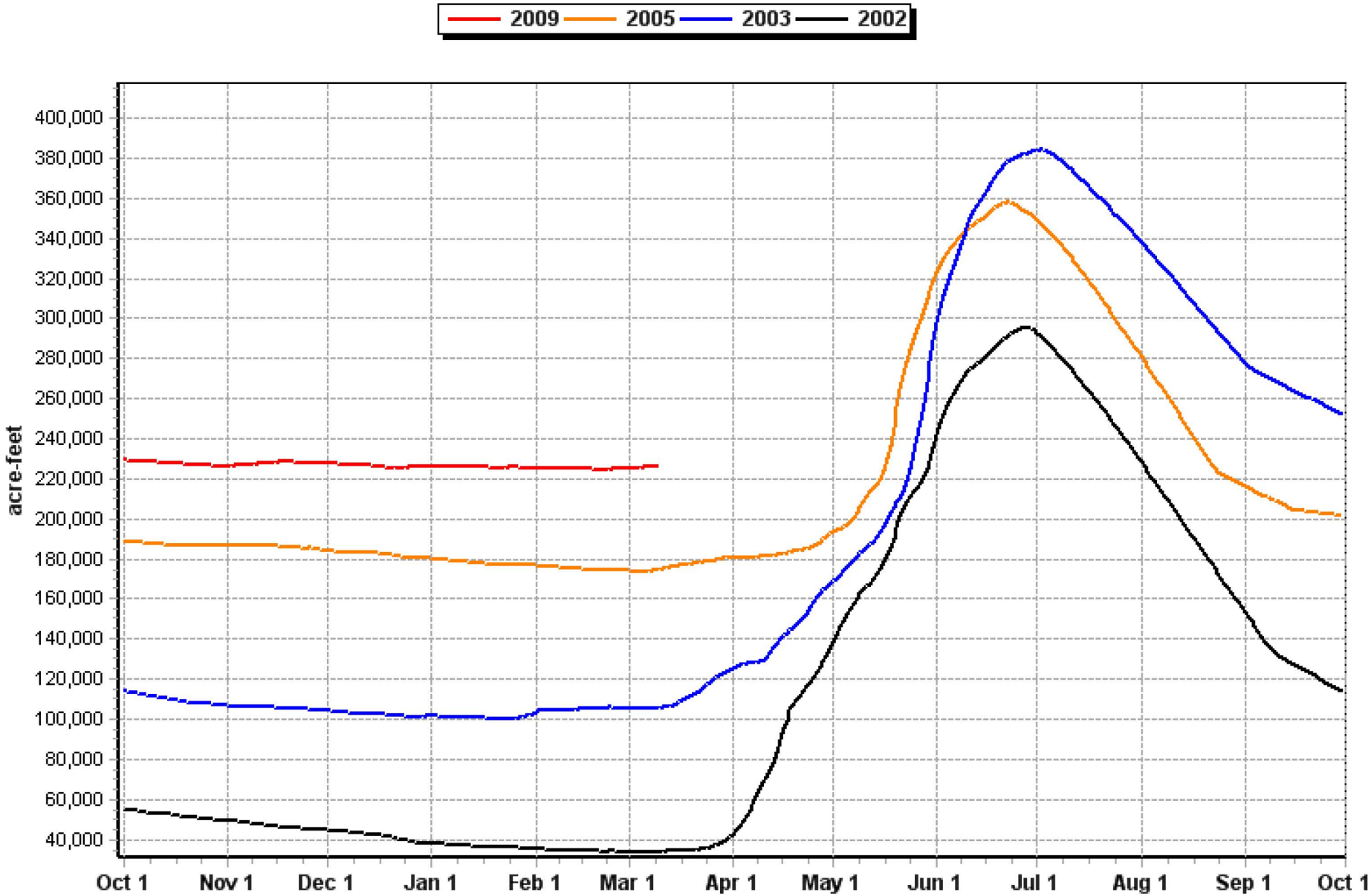


S. Fork Boise (Anderson Ranch) Runoff

March 1 – July 30

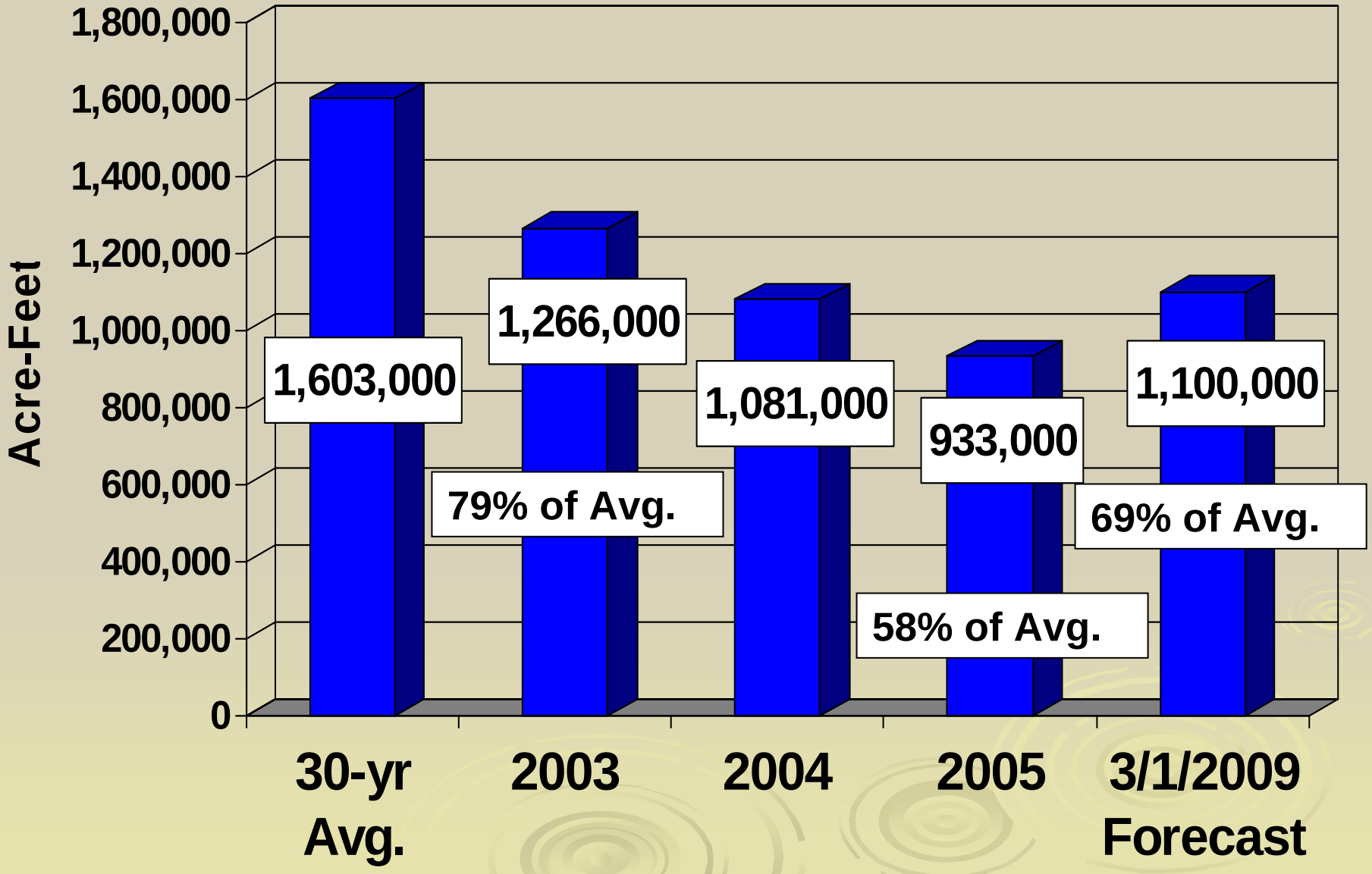


Anderson Ranch Reservoir Storage
(capacity = 413,000 ac-ft)

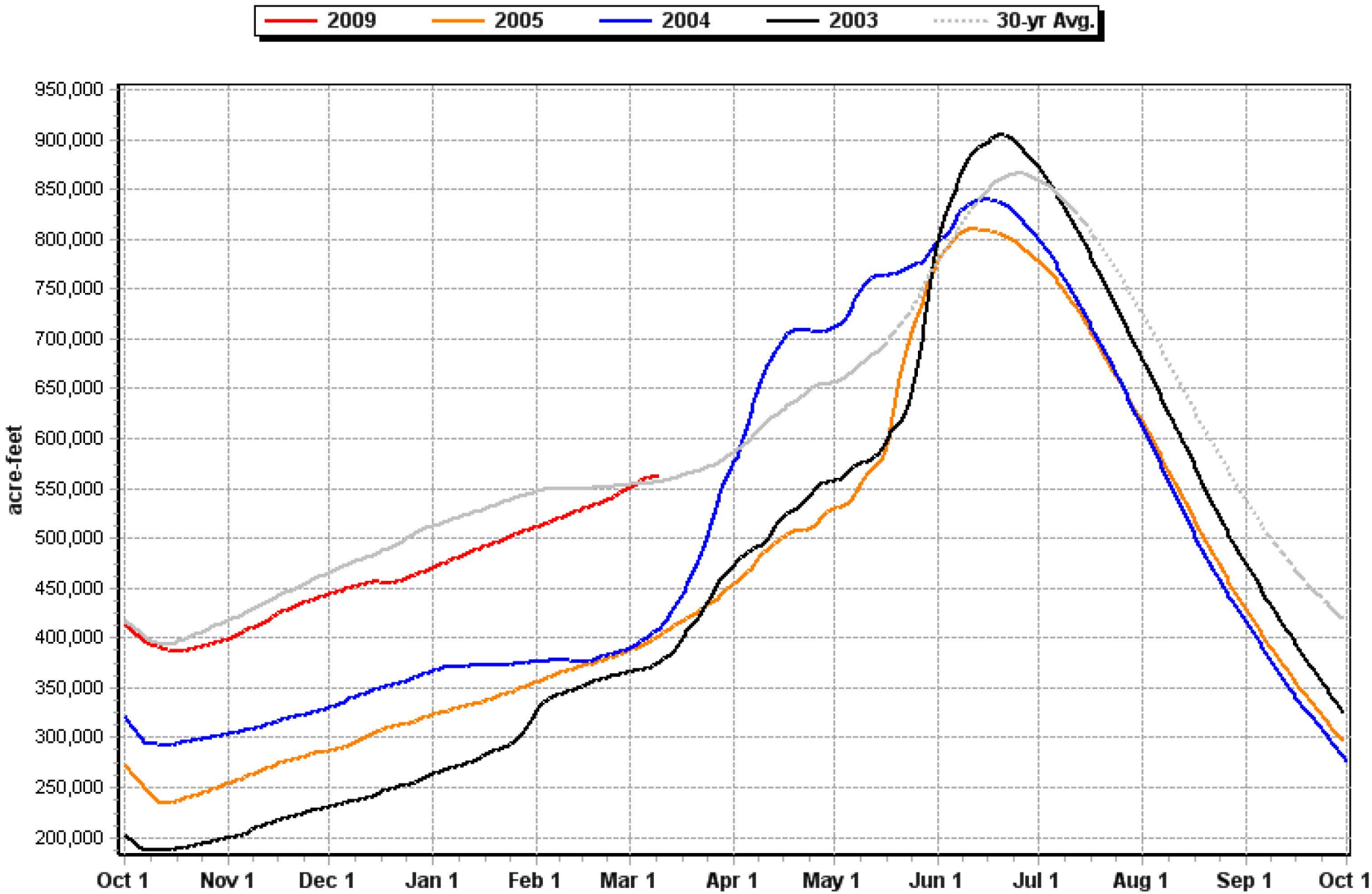


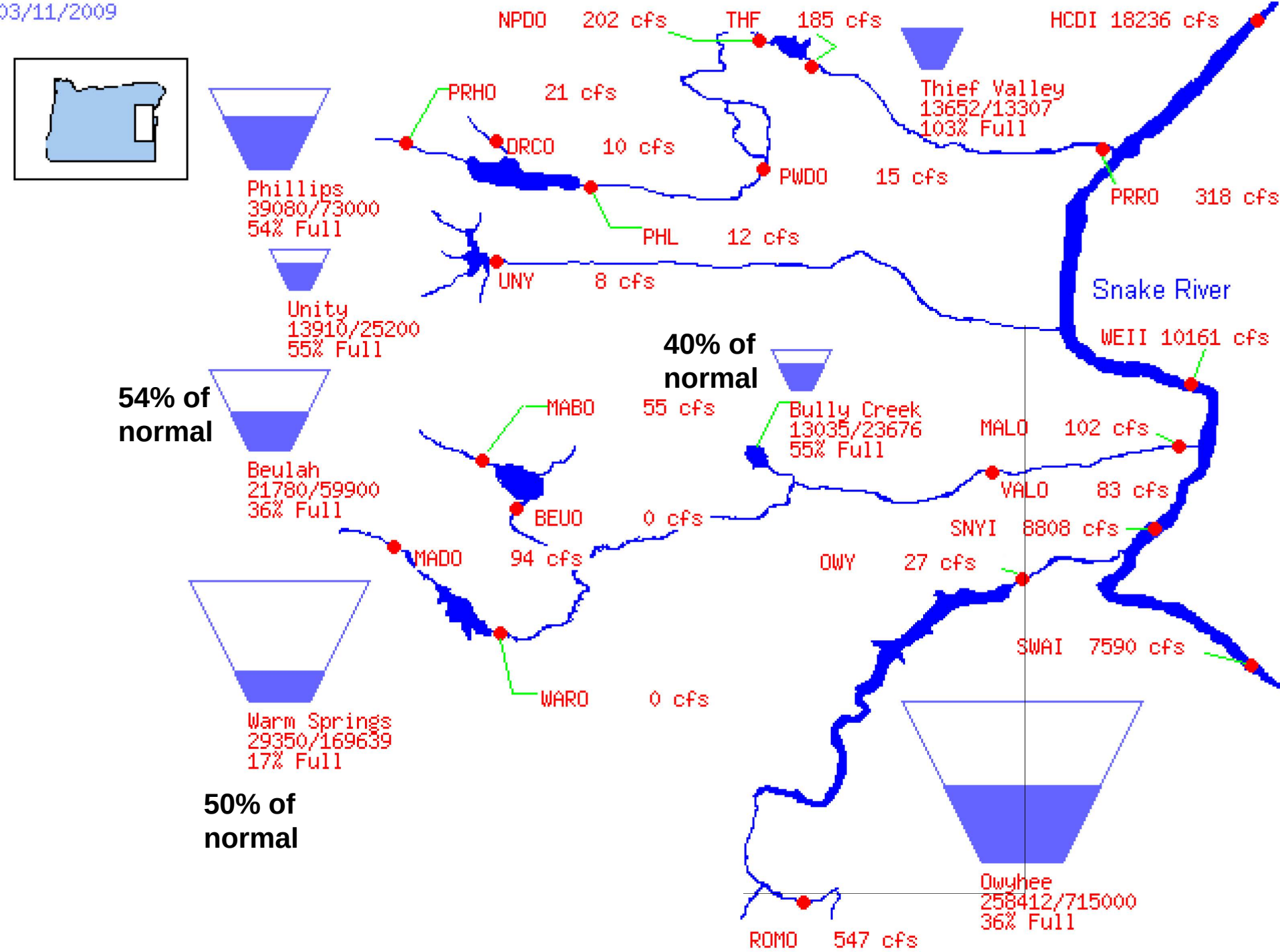
Boise Basin Runoff

March 1 – July 31



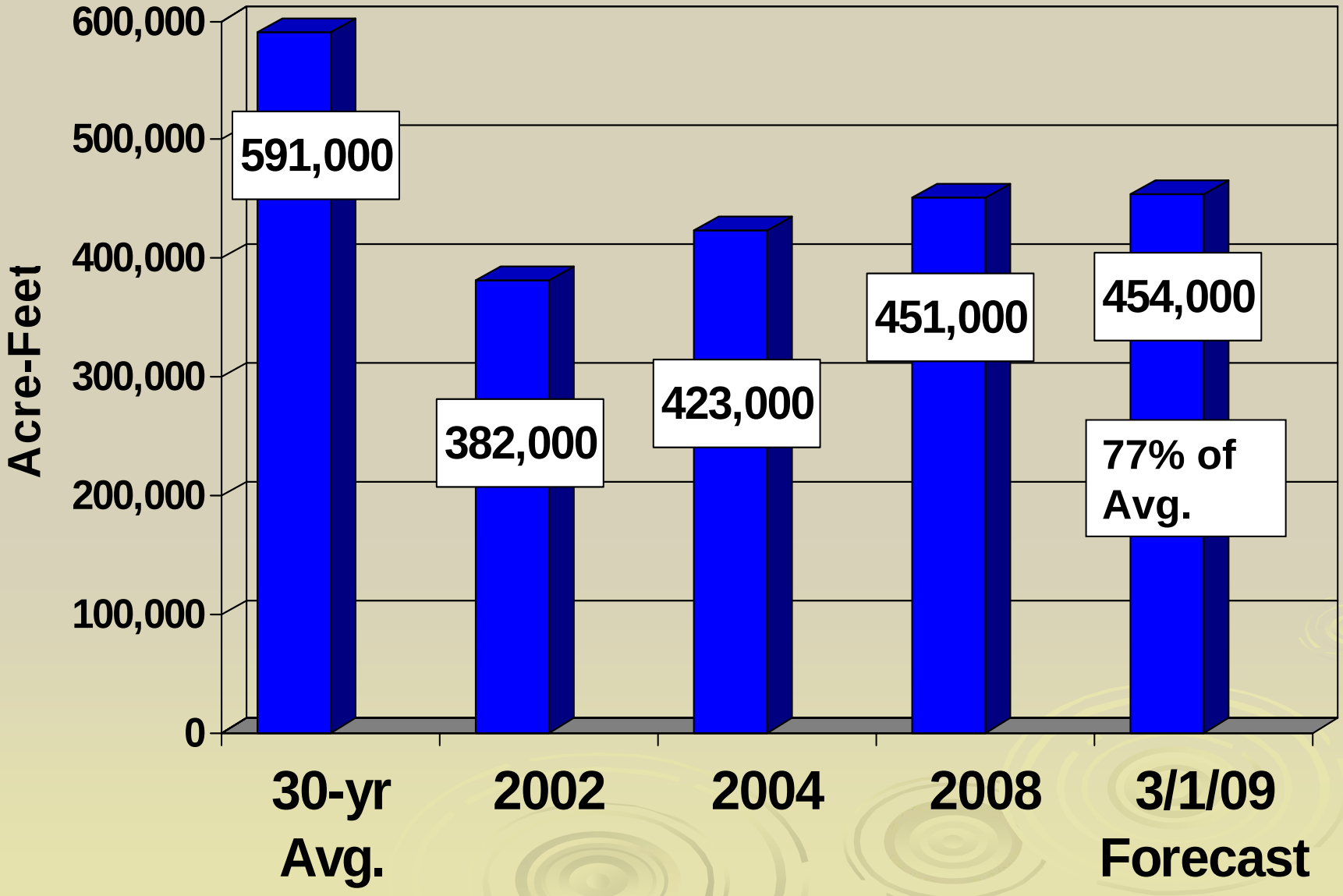
Boise Reservoir System Storage
(total capacity = 949,700 ac-ft)



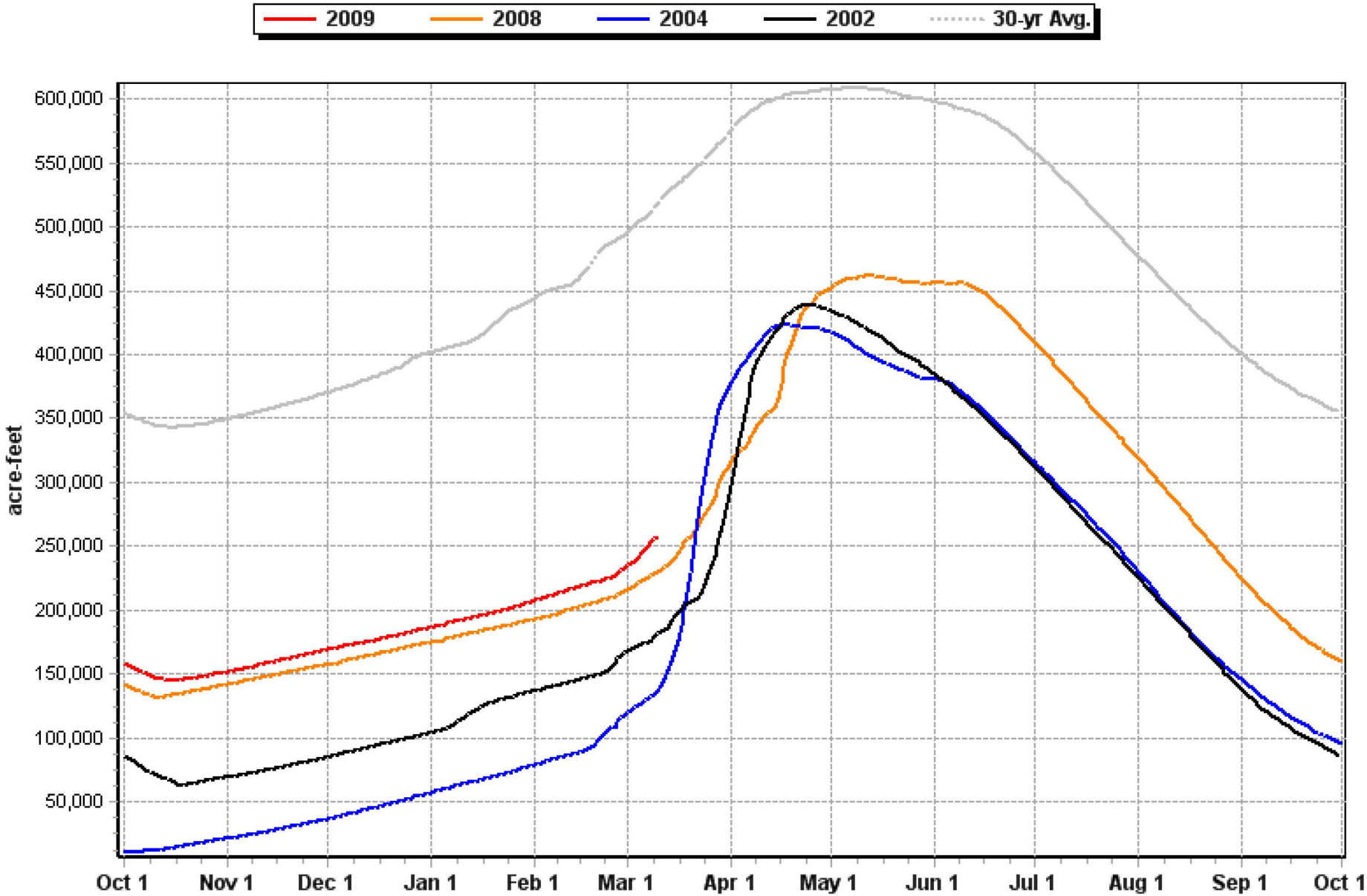

03/11/2009
NPDO 202 cfs
THF 185 cfs
HCDI 18236 cfs
PRHO 21 cfs
DRCO 10 cfs
PWDO 15 cfs
PRRO 318 cfs
PHL 12 cfs
UNY 8 cfs
Snake River
WEII 10161 cfs
MABO 55 cfs
MALO 102 cfs
VALO 83 cfs
BEUO 0 cfs
SNYI 8808 cfs
MADO 94 cfs
OWY 27 cfs
SWAI 7590 cfs
WARO 0 cfs
ROMO 547 cfs
Thief Valley
13652/13307
103% Full
Phillips
39080/73000
54% Full
Unity
13910/25200
55% Full
40% of normal
Bully Creek
13035/23676
55% Full
54% of normal
Beulah
21780/59900
36% Full
Warm Springs
29350/169639
17% Full
50% of normal
Owyhee
258412/715000
36% Full

Owyhee Basin Runoff

March 1 – June 30

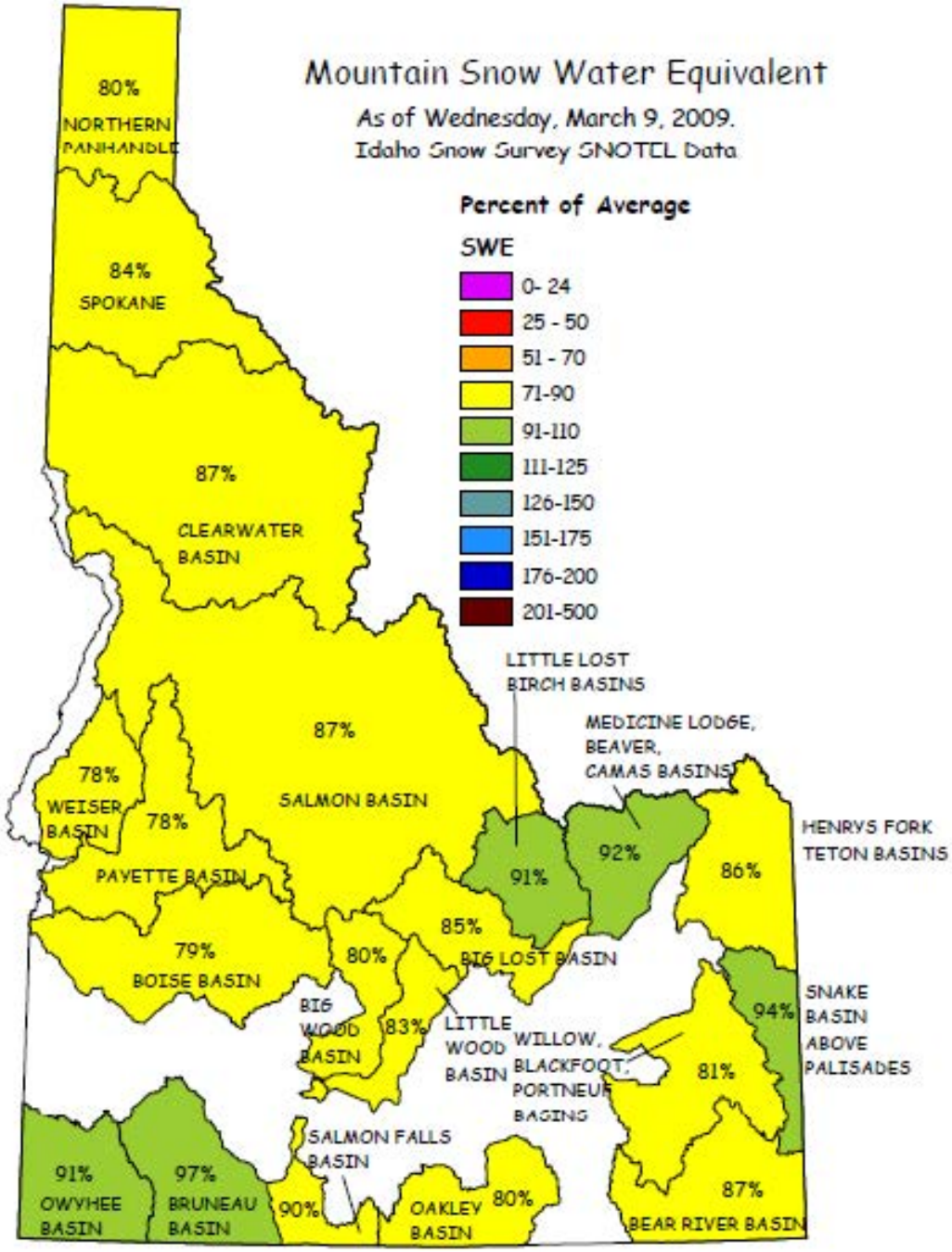


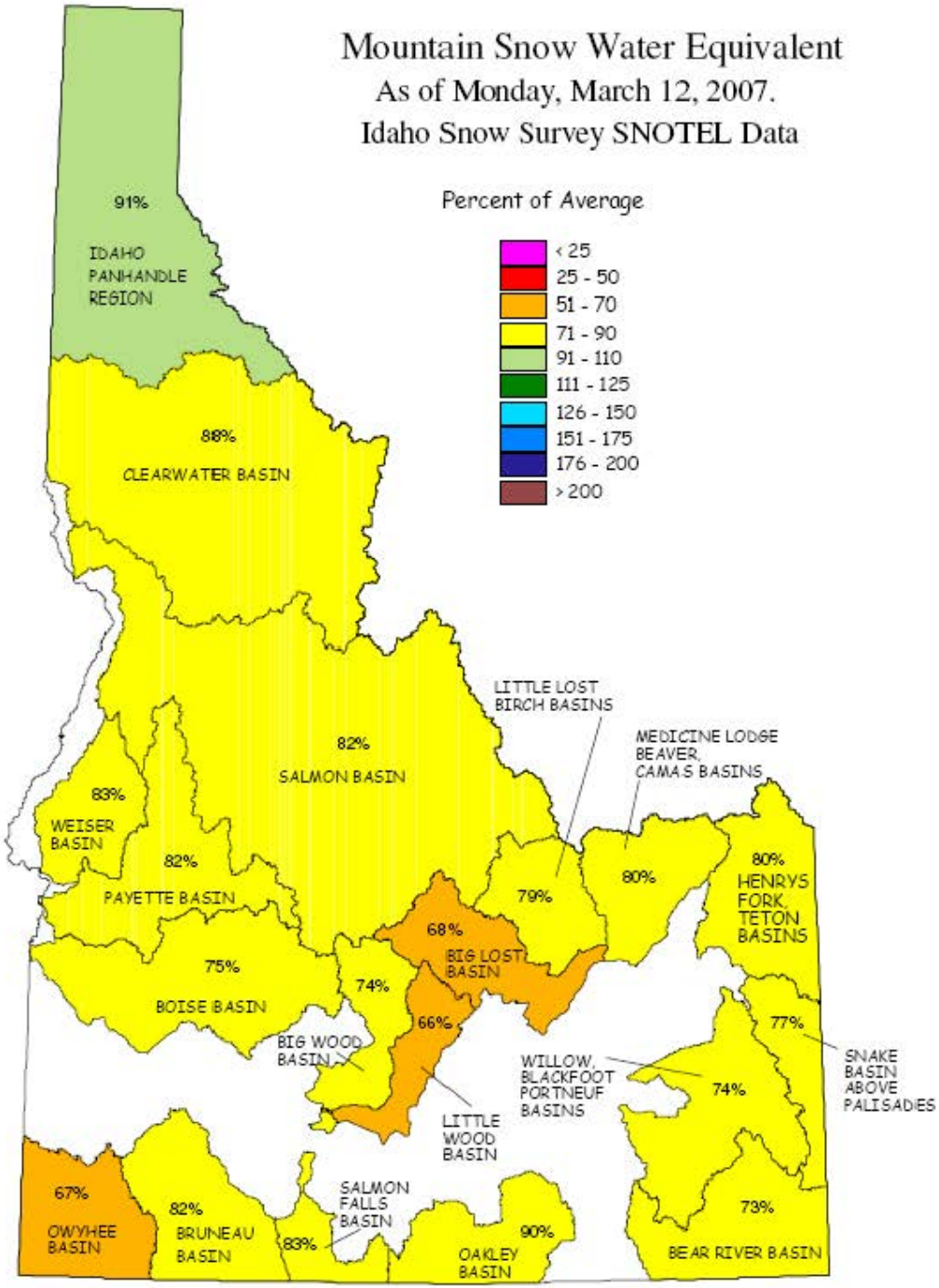
Owyhee Reservoir Storage
(capacity = 715,000 ac-ft)

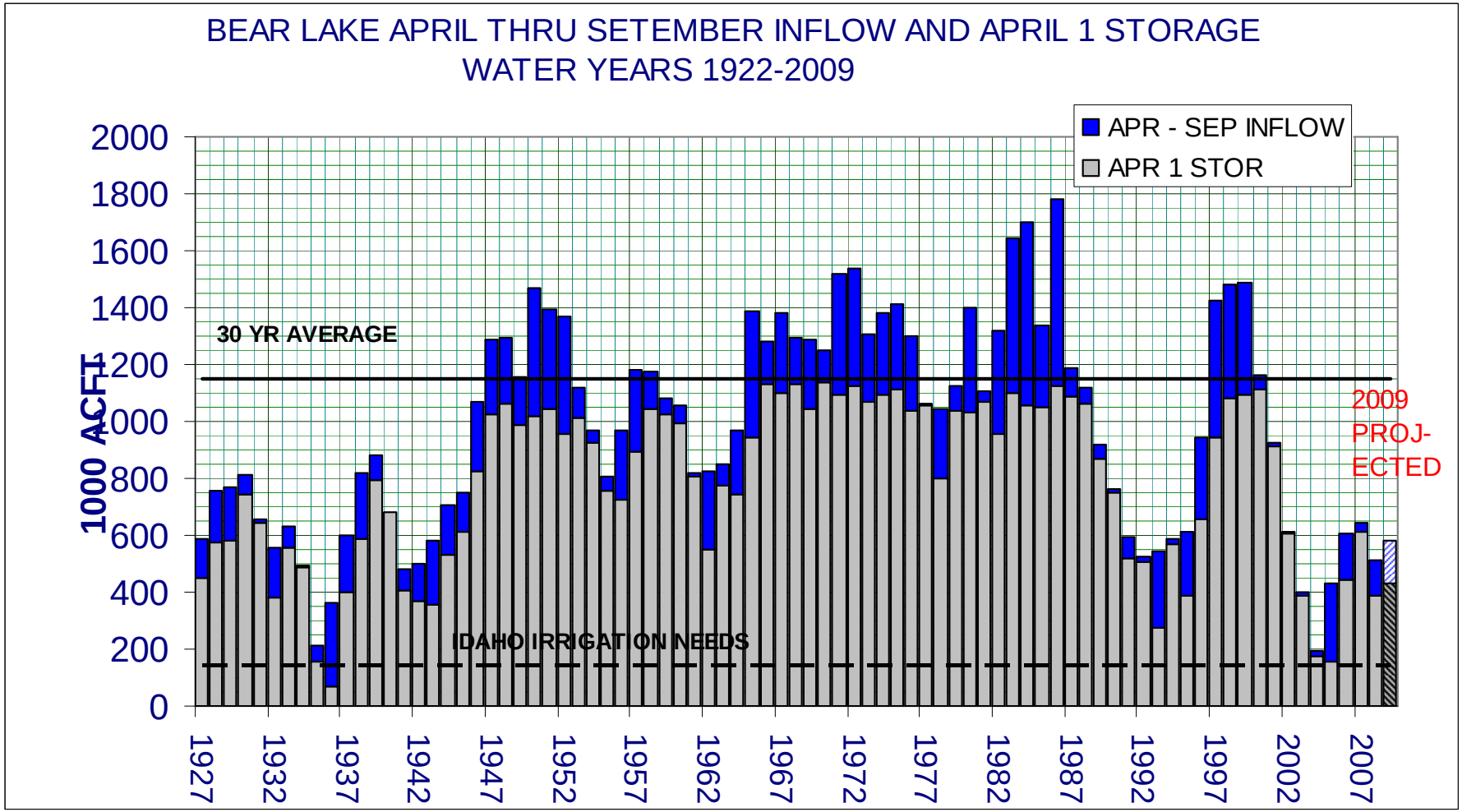


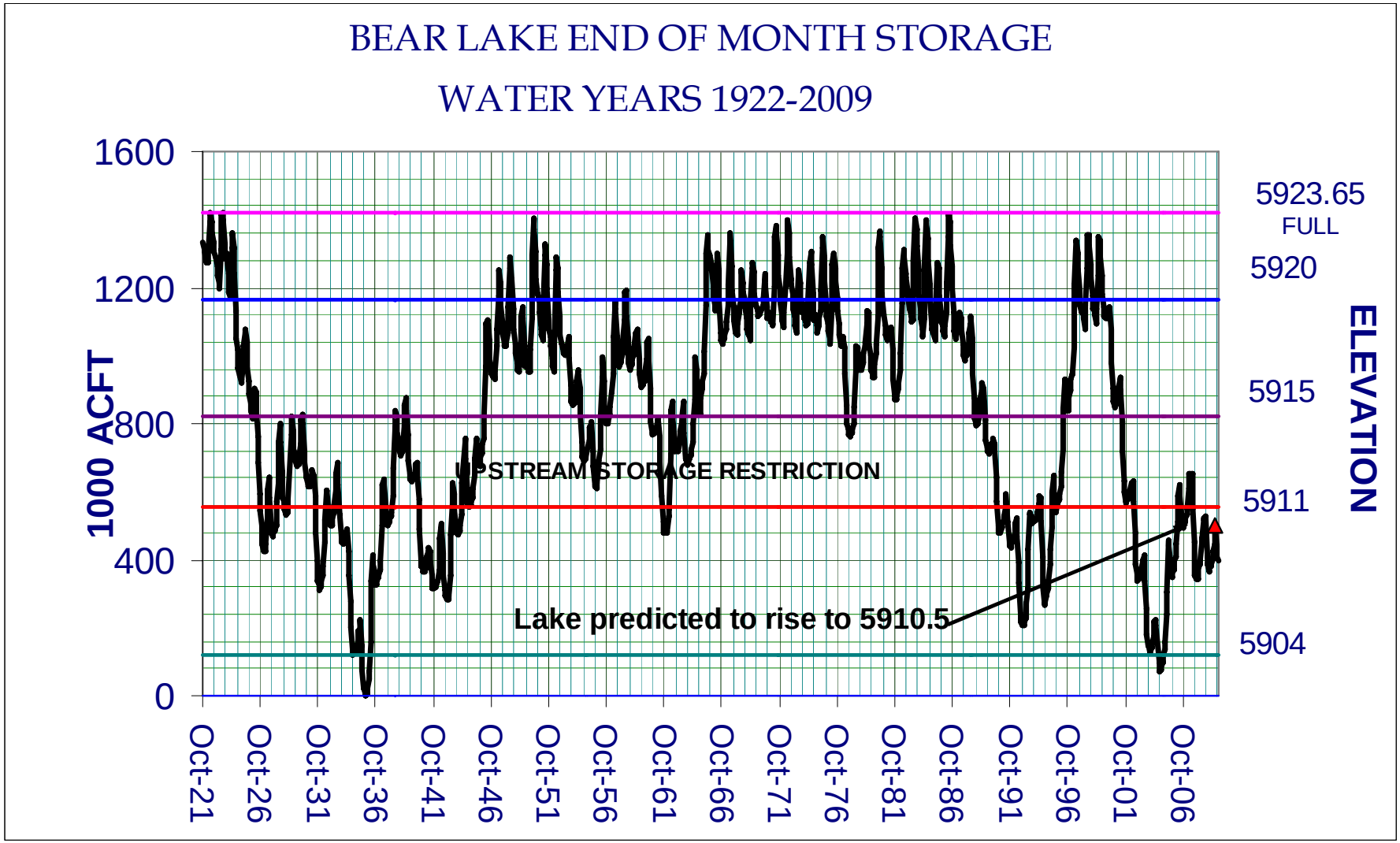
FULL

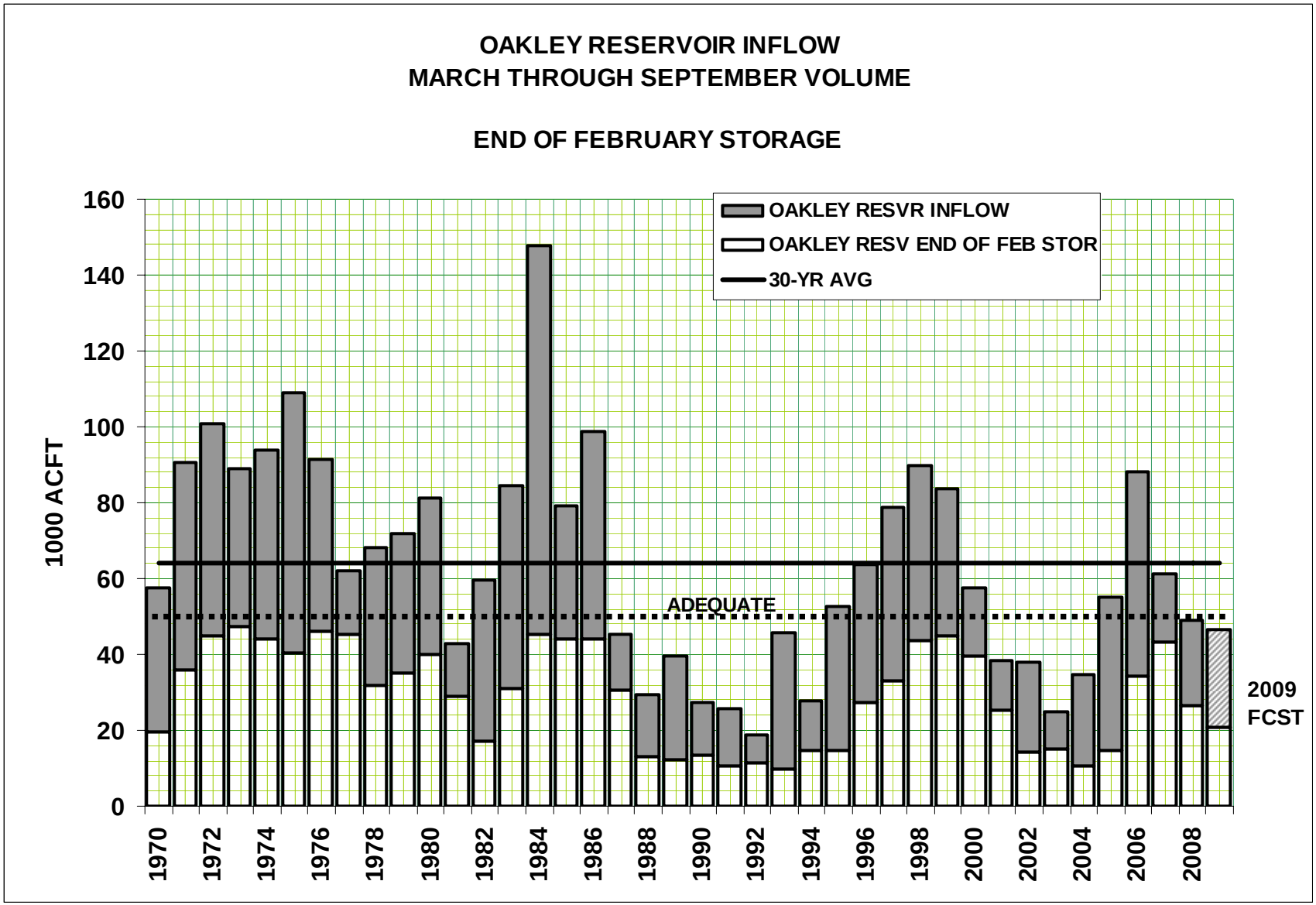
March 2009
Water Supply Committee

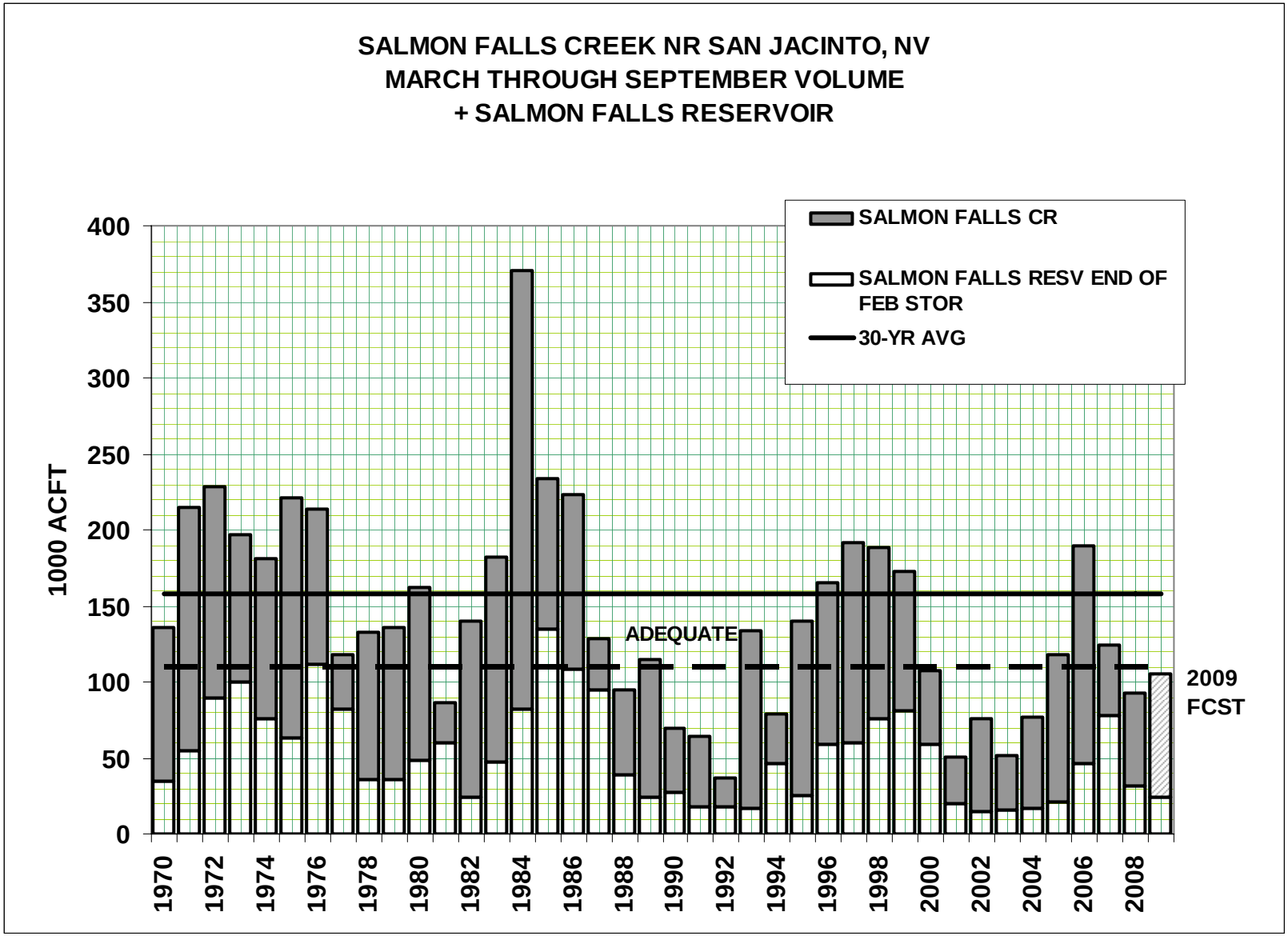

Mountain Snow Water Equivalent
As of Wednesday, March 9, 2009.
Idaho Snow Survey SNOTEL Data
Percent of Average
SWE
0- 24
25 - 50
51 - 70
71-90
91-110
111-125
126-150
151-175
176-200
201-500
80%
NORTHERN PANHANDLE
84%
SPOKANE
87%
CLEARWATER BASIN
87%
SALMON BASIN
78%
WEISER BASIN
78%
PAYETTE BASIN
79%
BOISE BASIN
80%
BIG WOOD BASIN
83%
LITTLE WOOD BASIN
85%
BIG LOST BASIN
91%
LITTLE LOST BIRCH BASINS
92%
MEDICINE LODGE, BEAVER, CAMAS BASINS
86%
HENRYS FORK TETON BASINS
94%
SNAKE BASIN ABOVE PALISADES
81%
WILLOW, BLACKFOOT, PORTNEUF BASINS
87%
BEAR RIVER BASIN
80%
OAKLEY BASIN
90%
SALMON FALLS BASIN
97%
BRUNEAU BASIN
91%
OWYHEE BASIN


Mountain Snow Water Equivalent
As of Monday, March 12, 2007.
Idaho Snow Survey SNOTEL Data
Percent of Average
< 25
25 - 50
51 - 70
71 - 90
91 - 110
111 - 125
126 - 150
151 - 175
176 - 200
> 200
91%
IDAHO PANHANDLE REGION
88%
CLEARWATER BASIN
82%
SALMON BASIN
83%
WEISER BASIN
82%
PAYETTE BASIN
75%
BOISE BASIN
74%
BIG WOOD BASIN
68%
BIG LOST BASIN
66%
LITTLE WOOD BASIN
LITTLE LOST BIRCH BASINS
79%
MEDICINE LODGE BEAVER, CAMAS BASINS
80%
80%
HENRYS FORK, TETON BASINS
77%
SNAKE BASIN ABOVE PALISADIES
WILLOW, BLACKFOOT PORTNEUF BASINS
74%
73%
BEAR RIVER BASIN
67%
OWYHEE BASIN
82%
BRUNEAU BASIN
83%
SALMON FALLS BASIN
90%
OAKLEY BASIN


BEAR LAKE APRIL THRU SETEMBER INFLOW AND APRIL 1 STORAGE
WATER YEARS 1922-2009
APR - SEP INFLOW
APR 1 STOR
1000 ACFT
2000
1800
1600
1400
1200
1000
800
600
400
200
0
30 YR AVERAGE
IDAHO IRRIGATION NEEDS
2009
PROJ-
ECTED
1927
1932
1937
1942
1947
1952
1957
1962
1967
1972
1977
1982
1987
1992
1997
2002
2007


BEAR LAKE END OF MONTH STORAGE
WATER YEARS 1922-2009
1600
1200
800
400
0
1000 ACFT
5923.65
FULL
5920
5915
5911
5904
ELEVATION
PSTREAM STORAGE RESTRICTION
Lake predicted to rise to 5910.5
Oct-21
Oct-26
Oct-31
Oct-36
Oct-41
Oct-46
Oct-51
Oct-56
Oct-61
Oct-66
Oct-71
Oct-76
Oct-81
Oct-86
Oct-91
Oct-96
Oct-01
Oct-06


OAKLEY RESERVOIR INFLOW
MARCH THROUGH SEPTEMBER VOLUME
END OF FEBRUARY STORAGE
OAKLEY RESVR INFLOW
OAKLEY RESV END OF FEB STOR
30-YR AVG
ADEQUATE
1000 ACFT
0
20
40
60
80
100
120
140
160
1970
1972
1974
1976
1978
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008
2009
FCST


SALMON FALLS CREEK NR SAN JACINTO, NV
MARCH THROUGH SEPTEMBER VOLUME
+ SALMON FALLS RESERVOIR
SALMON FALLS CR
SALMON FALLS RESV END OF FEB STOR
30-YR AVG
1000 ACFT
400
350
300
250
200
150
100
50
0
ADEQUATE
2009 FCST
1970
1972
1974
1976
1978
1980
1982
1984
1986
1988
1990
1992
1994
1996
1998
2000
2002
2004
2006
2008

ESPA GROUND WATER CURTAILMENT DUE TO RUNOFF SHORTFALL

	% of Normal Runoff	Most Recent Comparable year	Heise Apr-Jul Runoff (1000 ac-ft)	Predicted Surface Water Supply Shortfall (ac-ft)
	102	2006	3,621	0
2009 Projection:	87+/-	*1991*	3,100	0
	75	2005	2,643	0
	65	2007	1,923	35,000
	45	1977	1,177	166,000