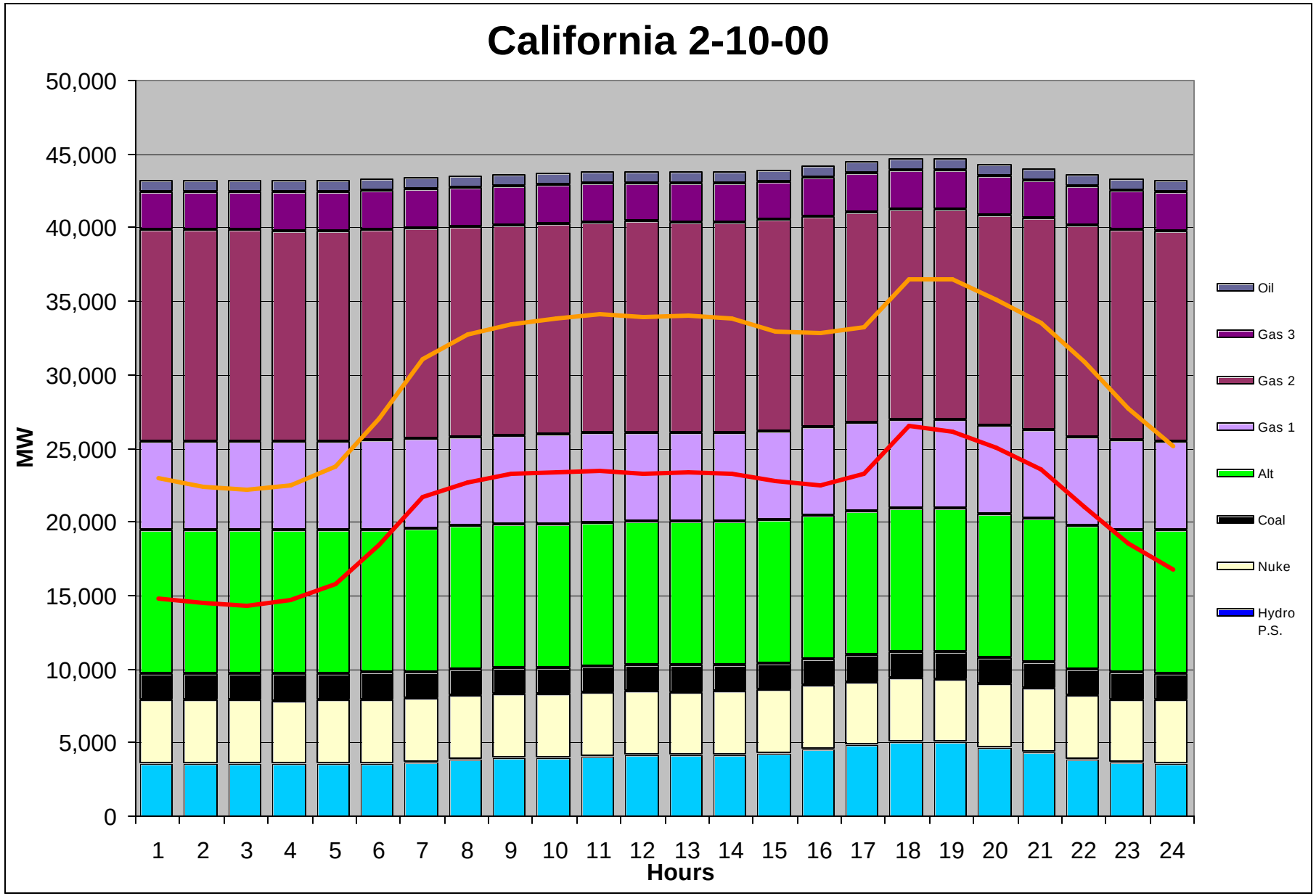
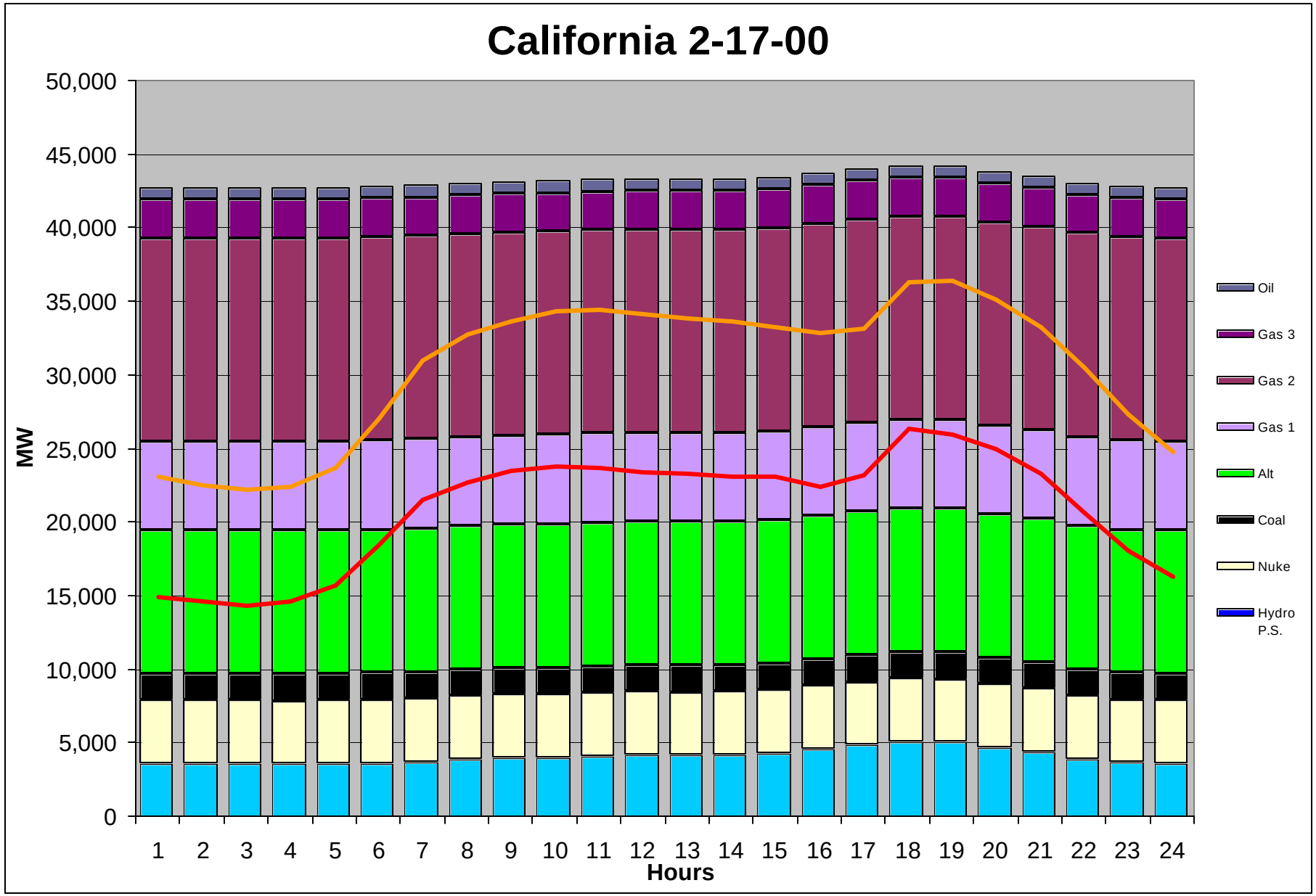
Strictly Session

values	Yesterday	Today	Fri	Sat	Mon	Tues	Wed	Thur	Predicted on 2/10/2000	Relative change in MWa for weeks ending (16 hour):					
Date	2/9/2000	2/10/2000	2/11/2000	2/12/2000	2/14/2000	2/15/2000	2/16/2000	2/17/2000	Date	2/13/2000	2/20/2000	2/27/2000	3/5/2000	3/12/2000	3/19/2000
PNW									**PNW**						
Load Forecast	32,791	33,158	33,030	31,139	32,495	32,497	32,639	32,624	Load Forecast	32,442	32,130				
Normal Load	32,890	32,890	32,890	30,796	32,596	32,596	32,596	32,596	-	32,541	32,130	31,993	31,878	30,609	30,086
									Load Forecast Relative to Normal	(99)	311	449	564	1833	2356
Hydro Gen.	18,676	18,676	18,676	18,676	17,785	17,785	17,785	17,785	Hydro Gen.	-	(891)	(627)	(2286)	(3479)	(3192)
Thermal Outages	0	0	0	0	0	0	0	0	Thermal Outages	-	110	110	29	78	(881)
									Total	**-**	**(470)**	**(68)**	**(1693)**	**(1568)**	**(1717)**
DSW									**DSW**						
Load Forecast	11,266	11,465	11,338	10,536	11,360	11,432	11,432	11,360	Load Forecast	11,187	11,258				
Normal Load	11,392	11,392	11,392	10,611	11,377	11,377	11,377	11,377		11,262	11,245	11,351	11,046	10,601	10,564
									Load Forecast Relative to Normal	(75)	(58)	(164)	140	586	623
Hydro Gen.	1,740	1,740	1,740	1,740	1,740	1,740	1,740	1,740	Hydro Gen.	-	-	-	77	108	108
Thermal Outages	2,003	2,003	2,003	2,003	2,003	2,234	2,234	2,234	Thermal Outages	-	(96)	(97)	127	1396	623
									Total	**-**	**(154)**	**(261)**	**345**	**2089**	**1354**
CA									**CA**						
Actual Load	32,477														
Load Forecast	32,477	32,486	32,742	28,101	32,598	32,711	32,735	32,531	Load Forecast	31,807	31,846				
Normal Load	32,591	32,591	32,591	28,002	32,531	32,531	32,531	32,531	Load Normal	31,826	31,771	31,868	31,862	31,817	31,983
									Load Forecast Relative to Normal	(19)	36	(60)	(54)	(9)	(176)
Hydro Gen.	3,750	3,750	3,750	3,750	3,750	3,750	3,750	3,750	Hydro Gen.	-	-	-	446	625	625
Thermal Outages	519	519	519	519	519	1,064	1,064	1,064	Thermal Outages	-	125	(556)	(1025)	(1025)	(2197)
									Total	**-**	**161**	**(616)**	**(633)**	**(409)**	**(1748)**
RM									**RM**						
Load Forecast	6,629	6,664	6,747	5,835	6,614	6,566	6,561	6,600	Load Forecast	6,542	6,439				
Normal Load	6,746	6,746	6,746	5,811	6,643	6,643	6,643	6,643	Load Normal	6,590	6,478	6,452	6,363	6,188	6,034
									Load Forecast Relative to Normal	(47)	65	91	180	354	508
Hydro Gen.	NA	NA	NA	NA	NA	NA	NA	NA	Hydro Gen.	-	NA	NA	NA	NA	NA
Thermal Outages	483	483	483	483	483	483	158	158	Thermal Outages	-	186	324	291	(74)	(576)
									Total MW	**-**	**250**	**415**	**470**	**280**	**(68)**
									Total MW (all regions)	**-**	**(212)**	**(530)**	**(1511)**	**392**	**(2178)**

gsolberg 2/10/2000 Confidential Name:


California 2-10-00
MW
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
Hours
Oil
Gas 3
Gas 2
Gas 1
Alt
Coal
Nuke
Hydro
P.S.


California 2-17-00
MW
50,000
45,000
40,000
35,000
30,000
25,000
20,000
15,000
10,000
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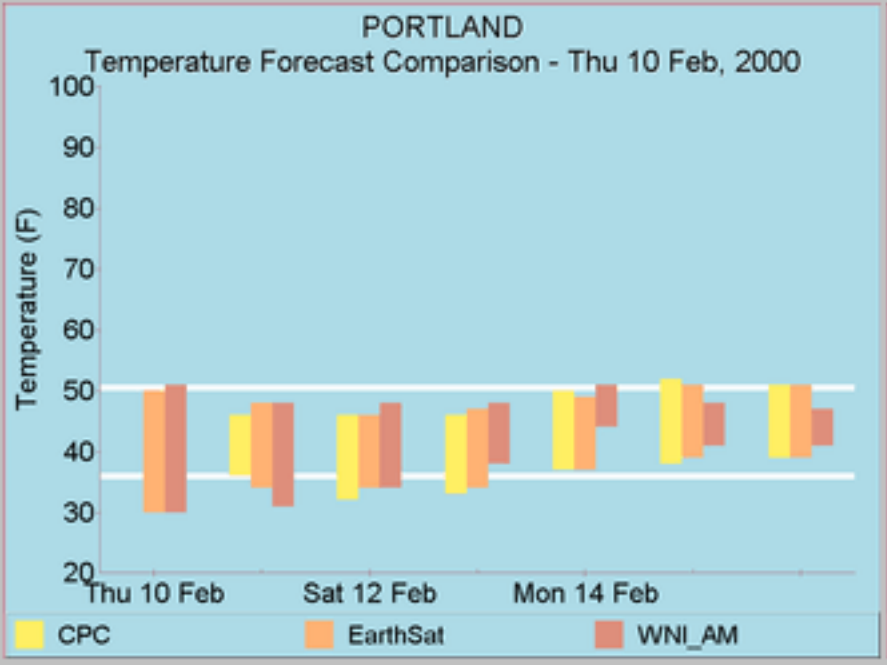
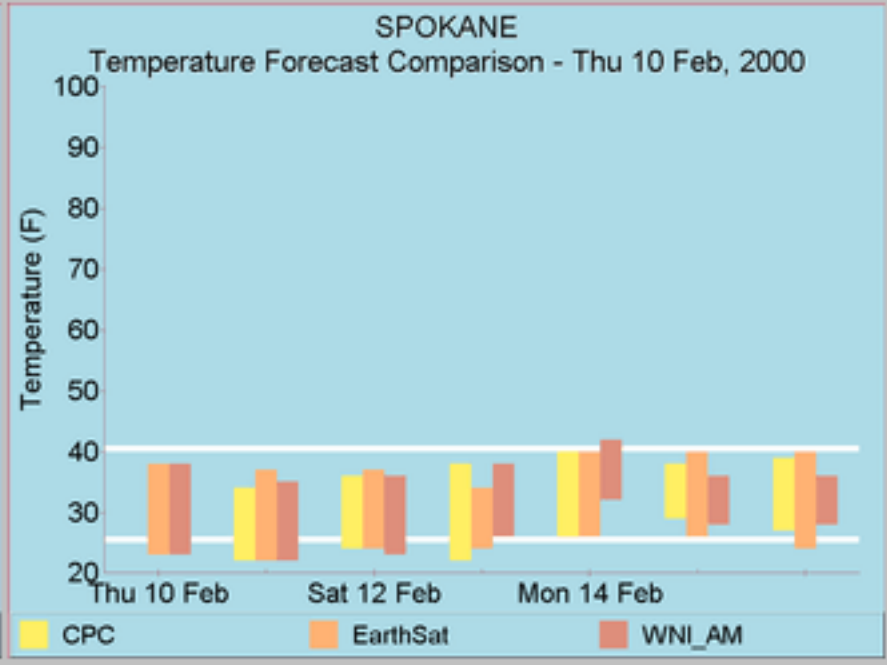
0
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Hours
Oil
Gas 3
Gas 2
Gas 1
Alt
Coal
Nuke
Hydro P.S.


PORTLAND
Temperature Forecast Comparison - Thu 10 Feb, 2000
Temperature (F)
100
90
80
70
60
50
40
30
20
Thu 10 Feb
Sat 12 Feb
Mon 14 Feb
CPC
EarthSat
WNI_AM


SPOKANE
Temperature Forecast Comparison - Thu 10 Feb, 2000
Temperature (F)
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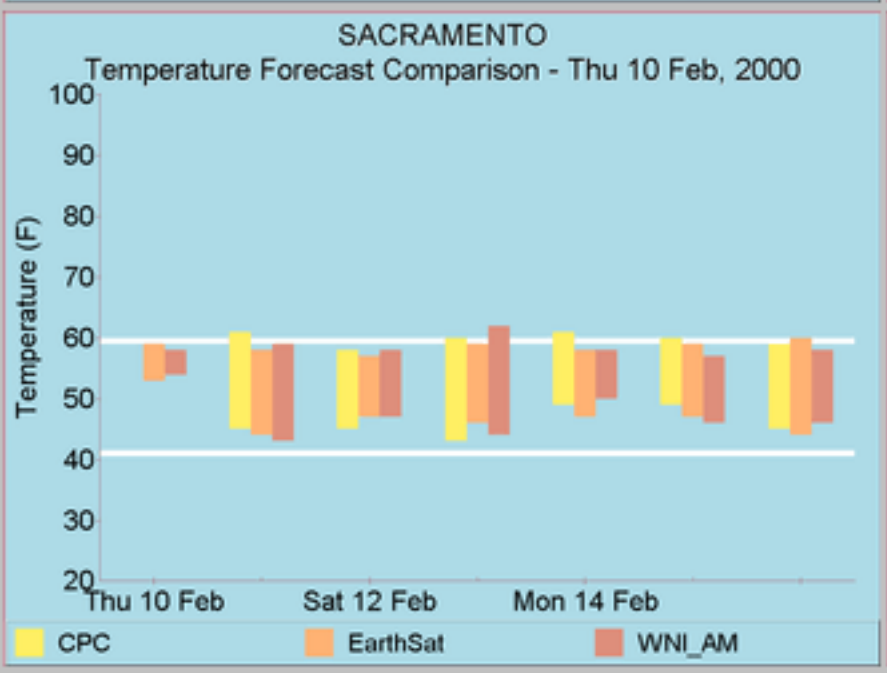
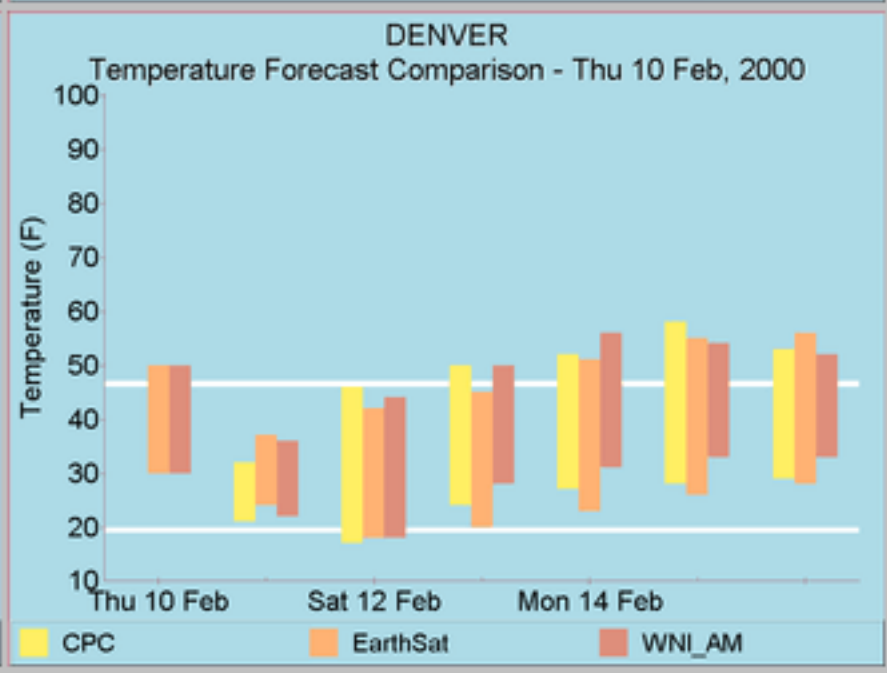
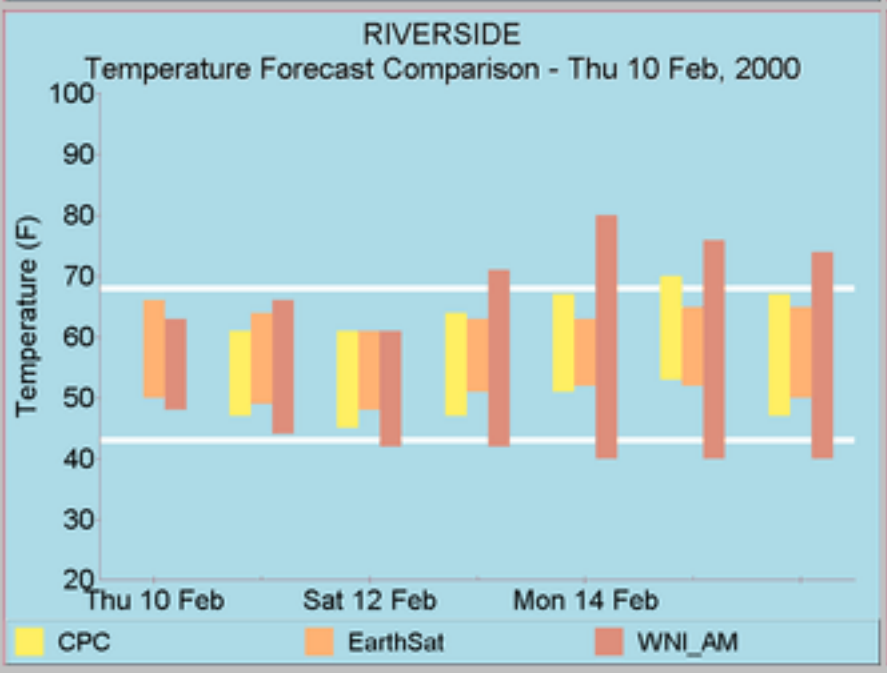
80
70
60
50
40
30
20
Thu 10 Feb
Sat 12 Feb
Mon 14 Feb
CPC
EarthSat
WNI_AM


SACRAMENTO
Temperature Forecast Comparison - Thu 10 Feb, 2000
Temperature (F)
100
90
80
70
60
50
40
30
20
Thu 10 Feb
Sat 12 Feb
Mon 14 Feb
CPC
EarthSat
WNI_AM


DENVER
Temperature Forecast Comparison - Thu 10 Feb, 2000
Temperature (F)
100
90
80
70
60
50
40
30
20
10
Thu 10 Feb
Sat 12 Feb
Mon 14 Feb
CPC
EarthSat
WNI_AM


RIVERSIDE
Temperature Forecast Comparison - Thu 10 Feb, 2000
Temperature (F)
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80
70
60
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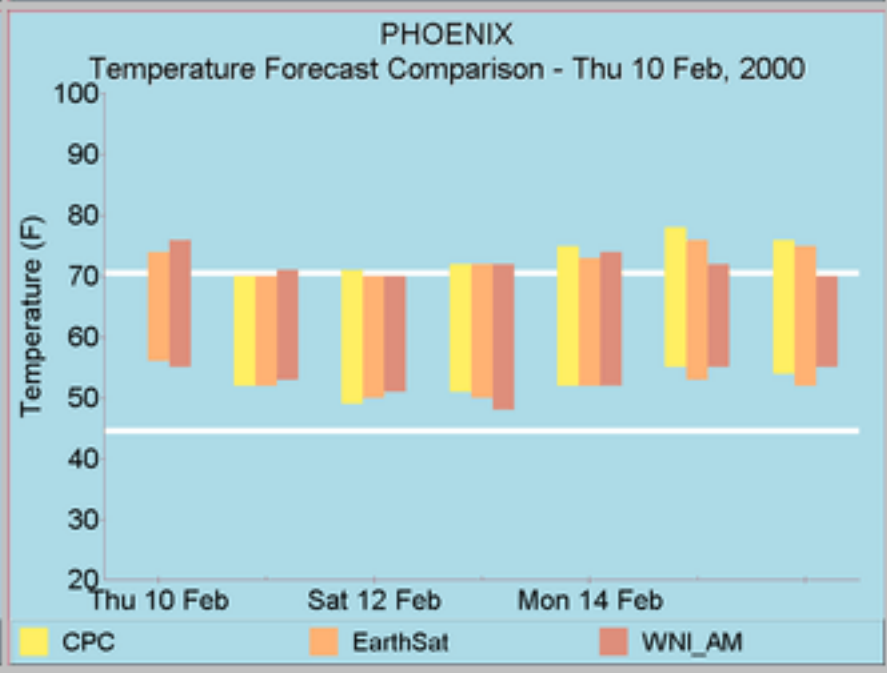
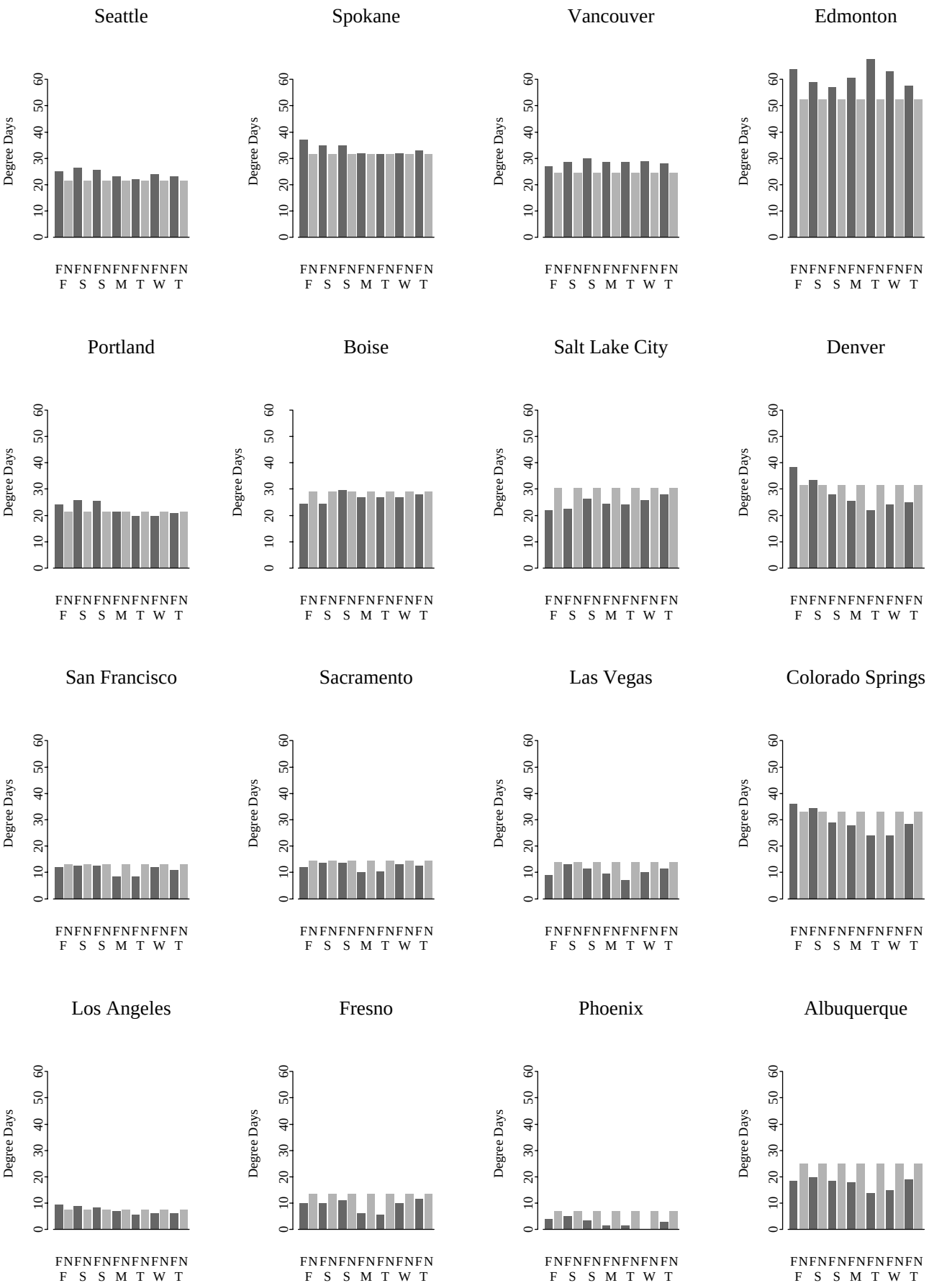
40
30
20
Thu 10 Feb
Sat 12 Feb
Mon 14 Feb
CPC
EarthSat
WNI_AM


PHOENIX
Temperature Forecast Comparison - Thu 10 Feb, 2000
Temperature (F)
100
90
80
70
60
50
40
30
20
Thu 10 Feb
Sat 12 Feb
Mon 14 Feb
CPC
EarthSat
WNI_AM

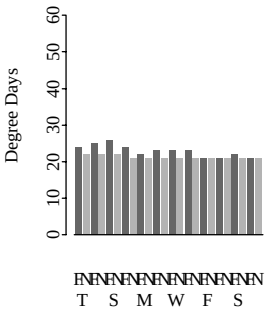
MRF: Forecast and Normal Degree Days for Period Following Feb 10



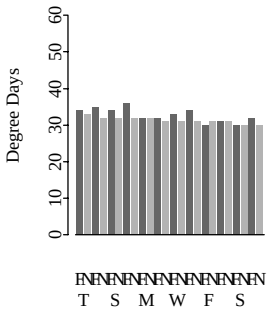
Thu Feb 10 05:30:48 2000

Earth Satellite Forecast & Normal Degree Days: Period Beginning Feb 10

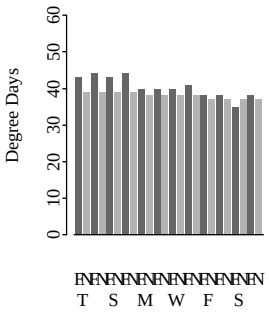
Seattle



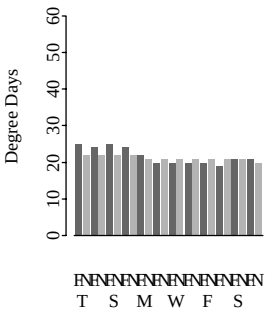
Spokane



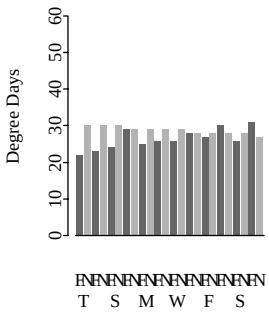
Kalispell



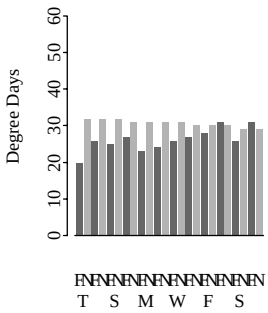
Portland



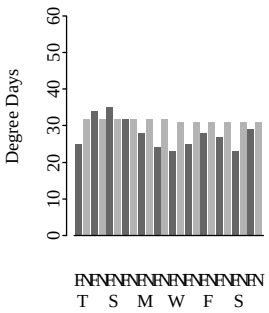
Boise



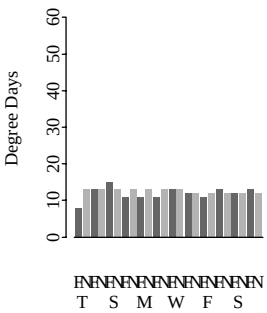
Salt Lake City



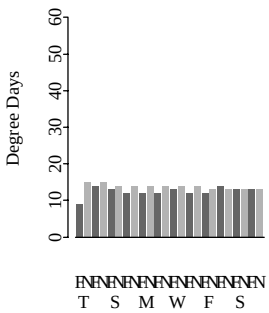
Denver



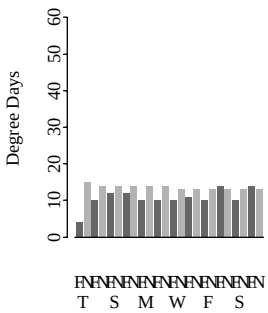
San Francisco



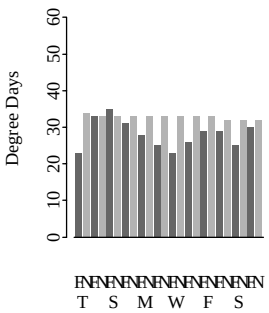
Sacramento



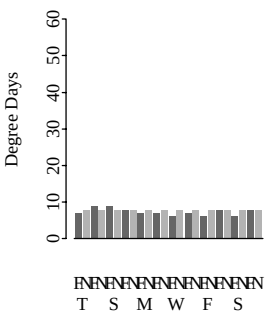
Las Vegas



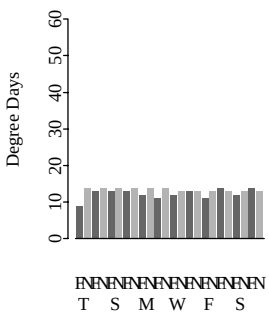
Colorado Springs



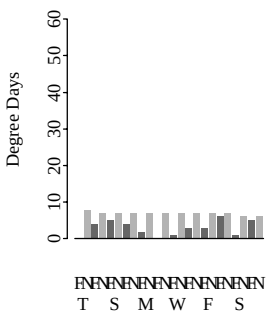
Burbank



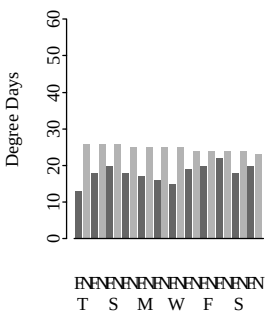
Fresno



Phoenix



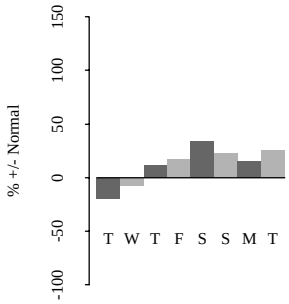
Albuquerque



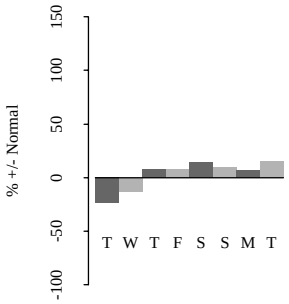
Thu Feb 10 05:28:58 2000

WSCC City Energy Indexes
Period Beginning 02/08/00

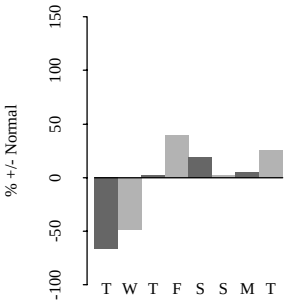
Seattle



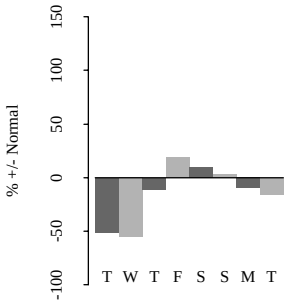
Spokane



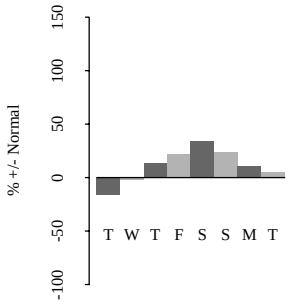
Billings



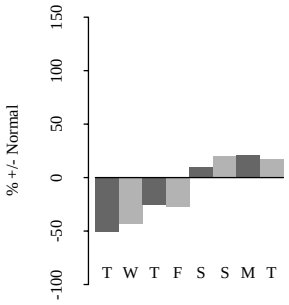
Cheyenne



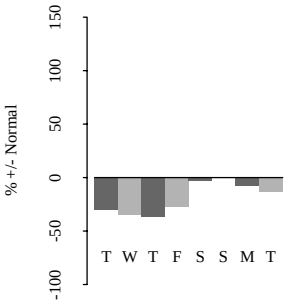
Portland



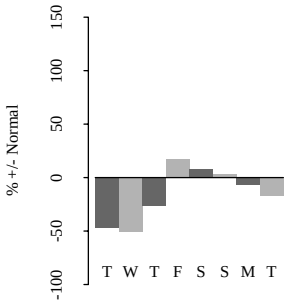
Boise



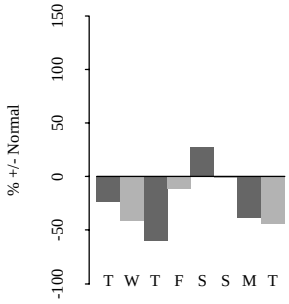
Salt Lake City



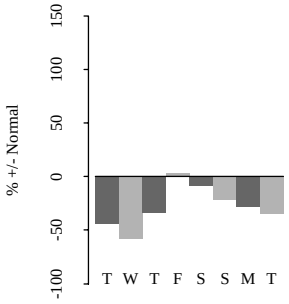
Denver



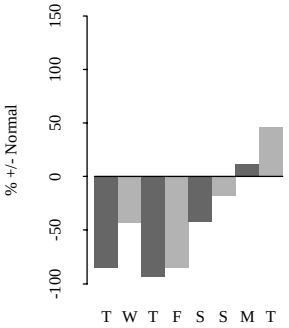
San Francisco



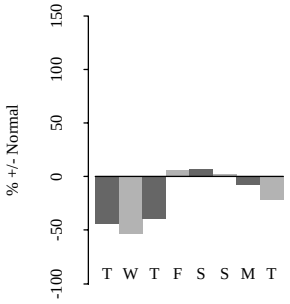
Sacramento



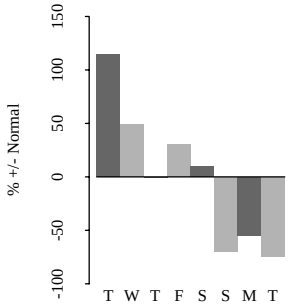
Las Vegas



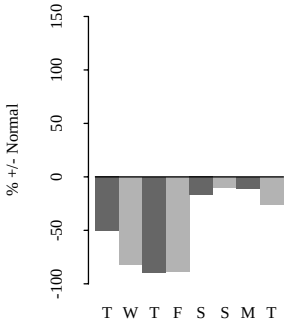
Colorado Springs



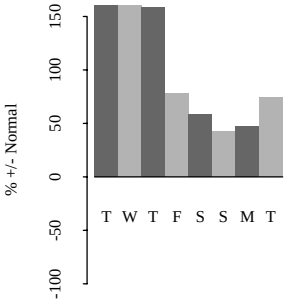
Los Angeles



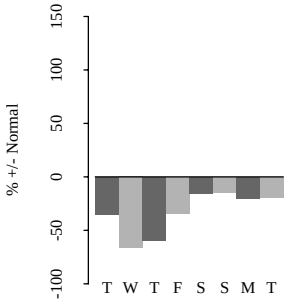
Fresno



Phoenix



Albuquerque

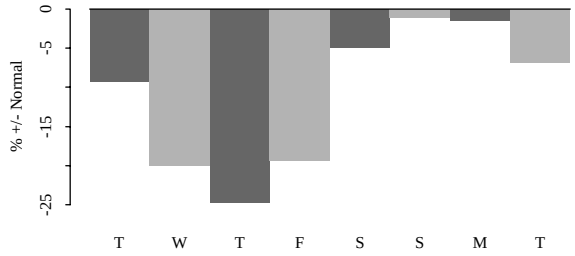


1999. Thu Feb 10 05:13:35 2000

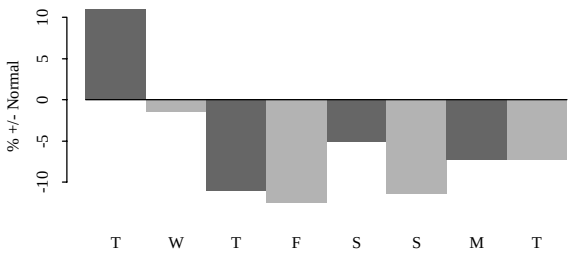
Confidential

CNG Regional Energy Indices
For Week Beginning 02/08/00

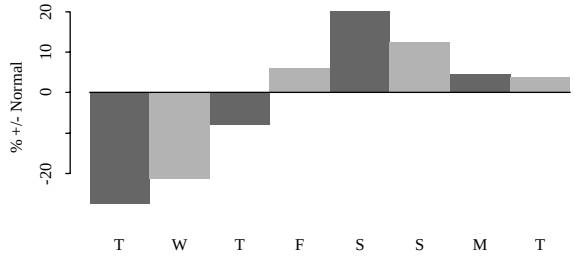
United States



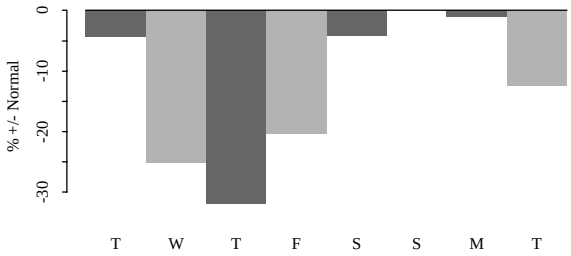
New England



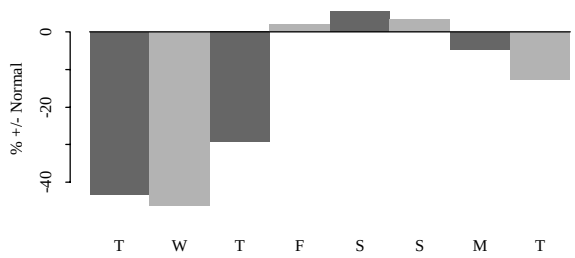
Pacific



Great Lakes



Rocky Mountain



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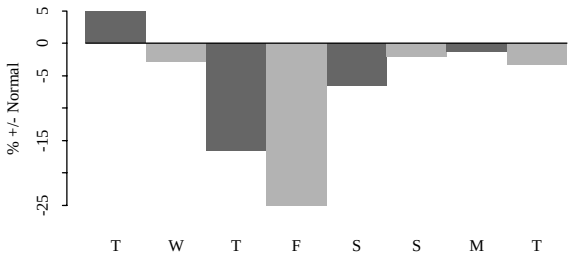

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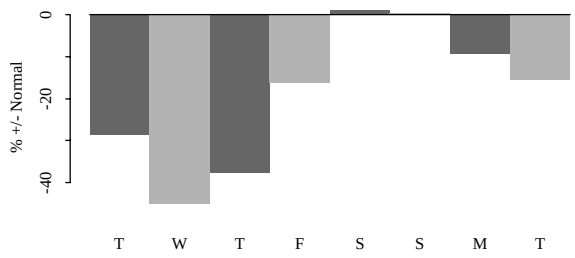

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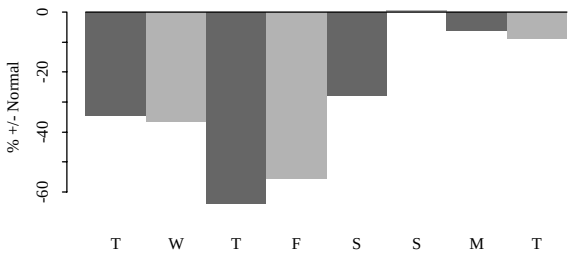

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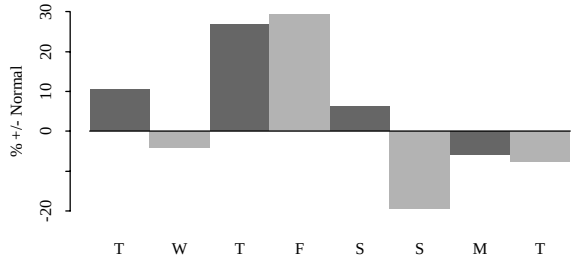

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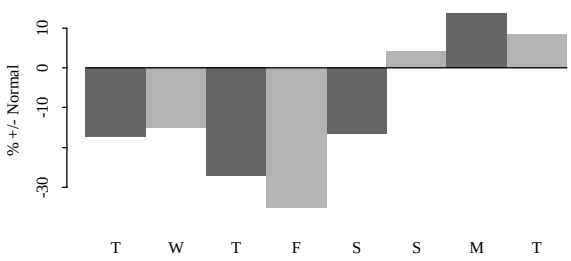


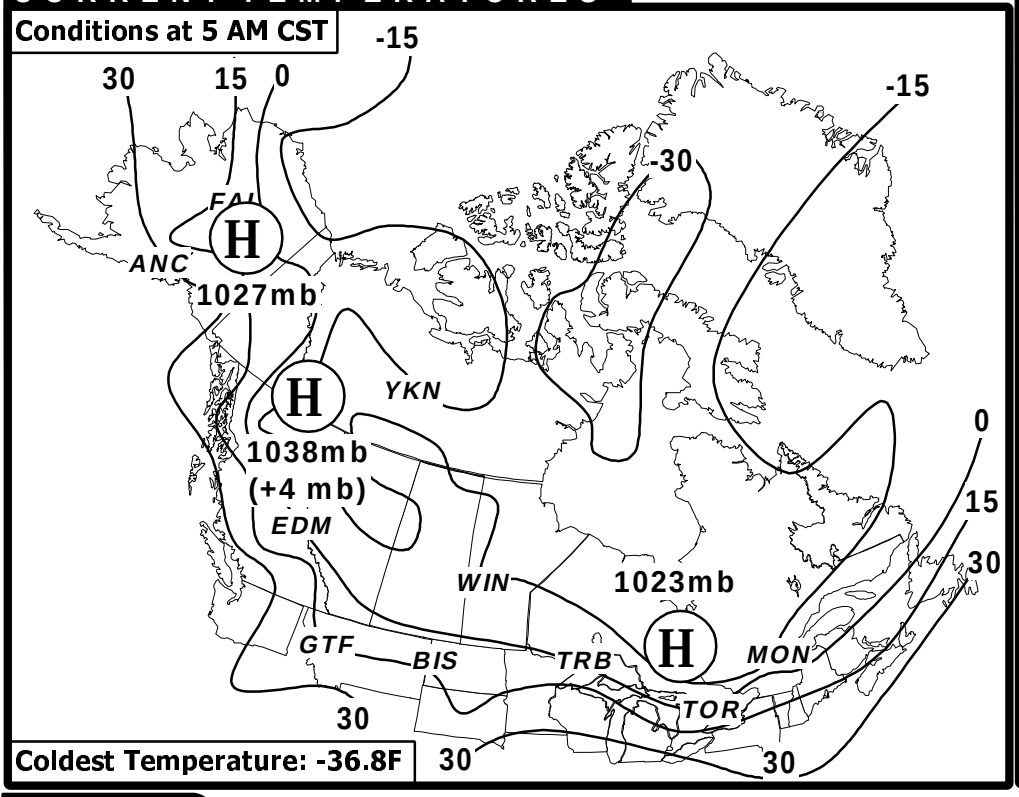
Thu Feb 10 05:13:02 2000

EarthSat Energy Weather - Cold Air Watch

EARTHSAT

Thursday	DAY	2/10/00	DATE	8:00 A.M.	TIME	SG	FORECASTER

CURRENT TEMPERATURES



DISCUSSION

Canada Cooling Down, But Cold Air Is Having Difficulty Entering US.

A sharp contrast between the warmer air to the south and the cold Canadian air to the north continues to be apparent along the US/Canadian border. A high in eastern Canada is beginning to take shape, and will help to create some interesting weather for the Northeast and Mid-Atlantic states this weekend. Another high, which has been slowly moving southward, will also try to bring some of this cold air into the US this weekend (see bottom - left). This sharp contrast in temperature is directly related to the strong polar jet (140 mph) across this region, keeping the cold air from making much southerly progress into the US.

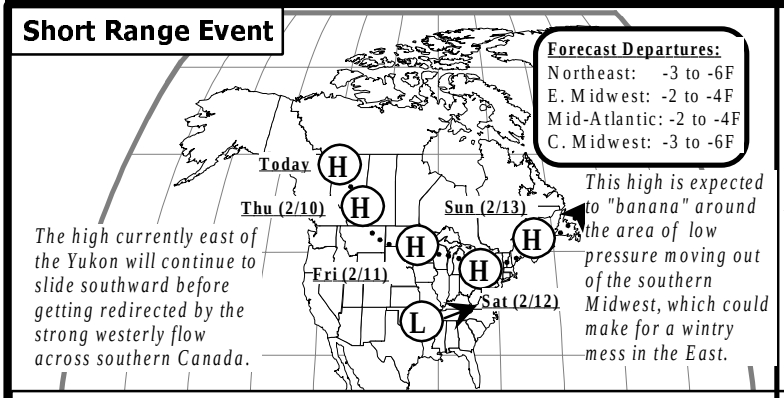
LEGEND

Temperature contours are in degrees Fahrenheit (F).

WIN = Winnipeg ANC = Anchorage EDM = Edmonton TOR = Toronto
BIS = Bismarck FAI = Fairbanks GTF = Great Falls
TRB = Thunder Bay YKN = Yellowknife MON = Montreal

FORECAST PATTERN OF HIGH PRESSURE

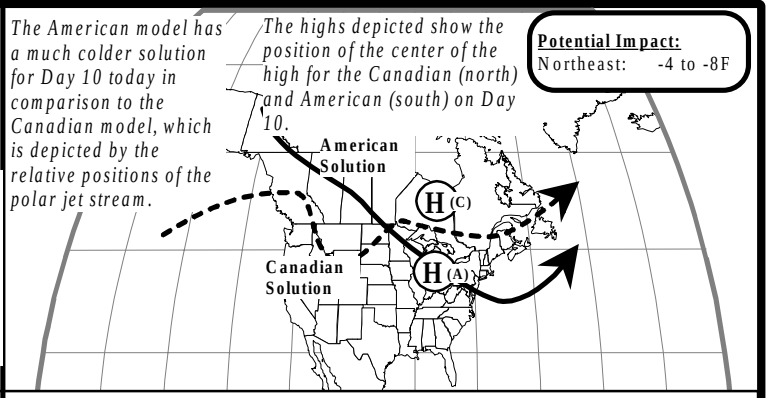
Short Range Event



High To Bring Some Cold Air Southward As Models Go Colder — **Sat (2/12) - Sun (2/13)**

Cold Air And Possible Wintry Precipitation Expected For Northeast / Eastern Midwest This Weekend.

Cold air currently pulling across much of Canada will try to slide southward into the Great Lakes and Northeast / Mid-Atlantic this weekend. This high could supply enough cold air at the surface to cause some wintry precipitation across the East and eastern Midwest, which could be in the form of sleet or ice, depending on the amount of cold air supplied by the high at the surface. This event will be short-lived, as temperatures rebound in most areas by the following Tuesday.



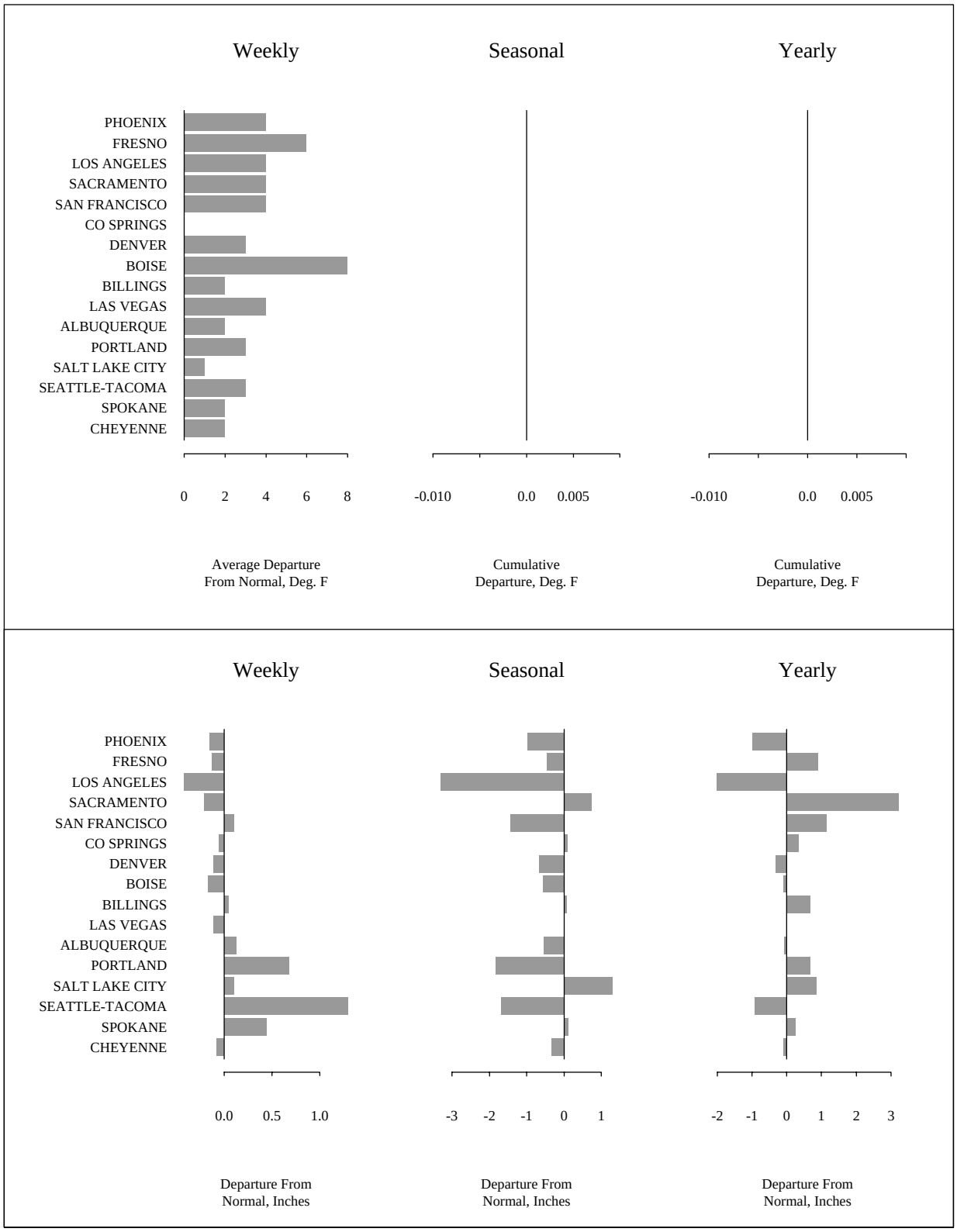
American model Continue To Keep Cold On Day 10 for Northeast. — **Sat (2/19) - Sun (2/20)**

The American Model Continues To Be The Colder Model, While The Canadian Keeps The Cold In Canada.

The American and Canadian models look similar to their solutions from yesterday, but are about a day slower with the next cold air event. The Canadian model keeps the bulk of the cold air in Canada, with some spilling into the Rockies, while the American brings a significant trough in the Polar Jet through the Northeast on Day 10. Our forecast is currently a compromise between models, but confidence remains low due to the large disparity in this cold air movement.

EarthSat Energy Weather • 6011 Executive Blvd. • Rockville, MD 20852 • (301) 231-0664 • Fax (301) 231-5246
www.earthsat.com/energywx/energyhome.html •

NWS Temperature & Precipitation Summaries for Week Ending 2/ 6/00



Thu Feb 10 05:15:50 2000

Confidential

HYDROMETEOROLOGICAL DISCUSSION

NORTHWEST RIVER FORECAST CENTER PORTLAND OR
11:25 AM PST WED FEB 09 2000

HYDROMETEOROLOGICAL CONDITIONS...PAST 24 HOURS...4AM − 4AM

A PACIFIC FRONTAL DISTURBANCE PUSHED IN .5 PLUS INCH WIDESPREAD ACCUMULATIONS OF VALLEY RAIN AND MOUNTAIN SNOWS FROM THE TIP OF SOUTHWESTERN OREGON UP THE COAST TO CAPE FLATTERY AND INTO THE WASHINGTON NORTH CASCADES. HIGHEST LOCALIZED 1 PLUS INCH ACCUMULATIONS WERE OBSERVED IN HEADWATERS OF THE LEWIS...COWLITZ...STILLAGUAMISH...AND NOOKSACK RIVER DRAINAGES IN WESTERN WASHINGTON...AND ALSO AROUND MT HOOD IN THE NORTH OREGON CASCADES. THIS MORNING'S FREEZING LEVELS DEFINITELY VERIFYING A COOLING TREND FROM FLOW SHIFTING GRADUALLY TO MORE WESTERLY AND ONSHORE INTO THE REGION...WITH QUILLAYUTE DROPPING TO 3300 FEET...AND 6500 FEET AT MEDFORD. THIS COOLING TREND ALSO REACHED ACROSS MUCH OF THE INTERIOR WITH THIS MORNING'S 7300 FOOT FREEZING LEVEL AT GREAT FALLS COMING IN 1000 FEET LOWER THAN IT WAS YESTERDAY MORNING.

HYDROLOGIC CONDITIONS...

MINOR MIXED PRECIPITATION AND LOWER ELEVATION SNOW MELT RISES WERE OBSERVED AGAIN IN SOME WESTERN WASHINGTON AND NORTHWESTERN OREGON FLOWS... WHILE CONTINUING SNOW MELT CYCLING WAS LARGELY RESPONSIBLE FOR SELECTIVE MINOR LOWER ELEVATION RISES EAST OF THE CASCADES. THE UPPER COLUMBIA ITSELF REMAINED FLAT.

HYDROMETEOROLOGICAL FORECAST...09 FEB − 13 FEB

EXPECT TEMPERATURES TO GRADUALLY FALL BELOW NORMAL WITH DIMINISHING MIXED LIGHT SCATTERED SHOWERS TRAILING OFF ACROSS THE REGION INTO SATURDAY. IF TODAY'S WEATHER FORECASTS VERIFY LATE INTO THE WEEKEND...THE SOUTHERN BRANCH STORM TRACK PLAGUING CALIFORNIA EARLY TO MID PERIOD IS FORECAST TO SHIFT BACK UP INTO US BY SUNDAY...RESULTING IN OCCASIONAL RAIN AND MOUNTAIN SNOWS STARTING INTO SOUTHWESTERN OREGON...THEN GRADUALLY SPREADING UP INTO SOUTHWESTERN WASHINGTON AND POSSIBLY INTO SOUTHWESTERN IDAHO BY THE END OF THE PERIOD.

HYDROLOGIC FORECAST...

WEST OF THE CASCADES...

FLAT TO RECEDING FLOWS THROUGH MOST OF THE PERIOD MAY BE FOLLOWED BY RISES STARING FROM THE SOUTHWEST LATE SUNDAY IF TODAY'S WEATHER FORECAST VERIFIES.

EAST OF THE CASCADES...

EXPECT STEADY OR SLOWLY RECEDING FLOWS WITH SELECTIVE DIURNAL SNOWMELT CYCLING DIMINISHING AS TEMPERATURES FALL BELOW NORMAL.

6−10 DAY OUTLOOK...14 FEB − 18 FEB

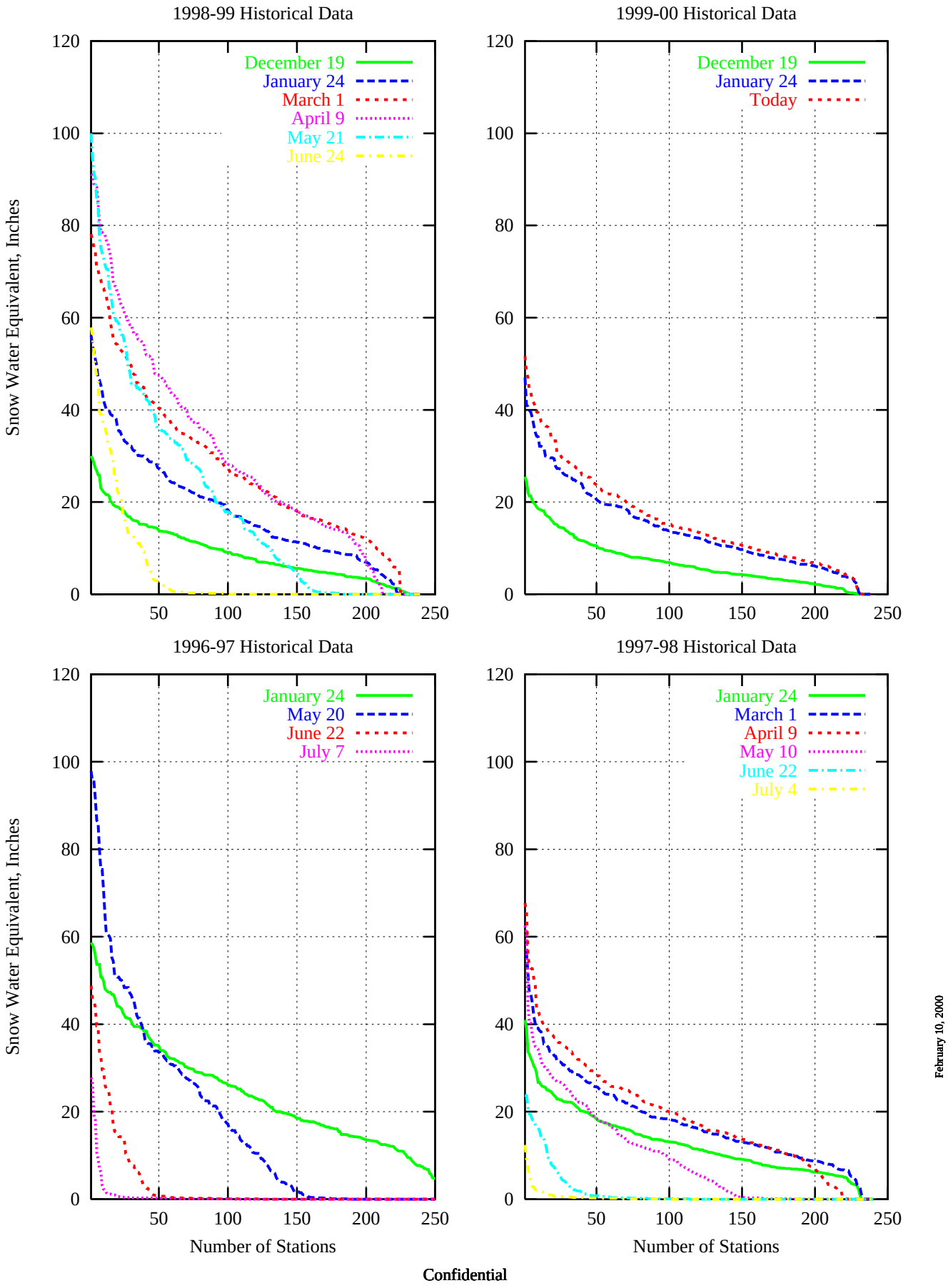
A SOUTHERN BRANCH STORM TRACK INITIALLY AIMING ACTIVE VALLEY RAIN AND MOUNTAIN SNOW IN ACROSS MUCH OF THE REGION EARLY IN THE PERIOD IS LIKELY TO SAG DOWN INTO CALIFORNIA AGAIN AS THE PERIOD PROGRESSES. AFTER THIS EARLY PERIOD BURST OF WIDESPREAD PRECIPITATION ACROSS OUR FORECAST AREA...LOOK FOR OCCASIONAL VALLEY RAIN AND MOUNTAIN SNOW INTO CALIFORNIA MID−LATE PERIOD OCCASIONALLY CLIPPING OUR SOUTHERN TIER BASINS WITH GENERAL LIGHT SCATTERED MIXED SHOWERS ELSEWHERE THROUGH THE REMAINDER OF THE PERIOD.

SEASONAL
WATER SUPPLY FORECASTS
ISSUED BY
NATIONAL WEATHER SERVICE
NORTHWEST RIVER FORECAST CENTER
PORTLAND OREGON

FEB-00FINAL 1 W A T E R S U P P L Y F O R E C A S T S

STREAM AND STATION	PERIOD	FORECAST	% AVERAGE	
COLUMBIA RIVER				
MICA RESERVOIR INFLOW, BC	FEB-SEP	14000.0	106	13170.
	APR-SEP	13500.0	106	12730.
ARROW LAKES INFLOW	FEB-SEP	28600.0	107	26800.
	APR-SEP	27200.0	106	25540.
BIRCHBANK, BC (1)	APR-SEP	46500.0	106	43800.
GRAND COULEE, WA (1)	JAN-JUL	66100.0	104	63280.
	APR-SEP	67800.0	105	64850.
ROCK ISLAND DAM BLO, WA (1)	APR-SEP	74200.0	105	70480.
THE DALLES NR, OR (1)	APR-SEP	99400.0	100	98980.
	JAN-JUL	106000.0	100	105900.
	APR-AUG	93600.0	100	93250.
KOOTENAI RIVER				
LIBBY RES INFLOW, MT (1)	APR-SEP	7250.0	107	6772.
KOOTENAY RIVER				
KOOTENAY LAKE INFLOW, BC	APR-SEP	17000.0	102	16650.
DUNCAN RIVER				
DUNCAN RESERVOIR INFLOW, BC	FEB-SEP	2380.0	103	2319.
	APR-SEP	2290.0	102	2238.
CLARK FORK				
ST. REGIS, MT (1)	APR-SEP	3730.0	91	4095.
PEND OREILLE RIVER				
PEND OREILLE LAKE IN, ID (1)	APR-SEP	13500.0	94	14370.
S.F. FLATHEAD RIVER				
HUNGRY HORSE RES IN, MT (1)	APR-SEP	2040.0	93	2184.
FLATHEAD RIVER				
FLATHEAD LAKE INFLOW, MT (1)	APR-SEP	6510.0	94	6926.
COEUR D'ALENE RIVER				
COEUR D'ALENE LAKE IN, ID	APR-SEP	2930.0	108	2720.
SIMILKAMEEN RIVER				
NIGHTHAWK NR, WA (1)	APR-JUL	1190.0	91	1304.
OKANAGAN RIVER				
TONASKET NR, WA (1)	APR-SEP	1540.0	95	1623.
CHELAN RIVER				
LAKE CHELAN INFLOW, WA (1)	APR-SEP	1180.0	102	1160.
WENATCHEE RIVER				
PESHASTIN, WA	APR-SEP	1640.0	100	1636.
YAKIMA RIVER				
PARKER NR, WA	APR-SEP	2000.0	100	1994.
SKAGIT RIVER				
CONCRETE NR, WA	APR-SEP	6720.0	103	6525.
COWLITZ RIVER				
MAYFIELD RES INFLOW, WA	APR-SEP	2160.0	110	1971.
	APR-JUL	1900.0	110	1731.
CASTLE ROCK, WA	APR-SEP	2910.0	109	2668.
SNAKE RIVER				
JACKSON LAKE INFLOW, WY (1)	APR-JUL	640.0	82	781.
PALISADES RES INFLOW, ID (1)	APR-JUL	2530.0	78	3226.
HEISE NR, ID	APR-JUL	2700.0	78	3451.
WEISER, ID (1)	APR-JUL	3400.0	62	5465.
BROWNLEE RES INFLOW	APR-JUL	3670.0	63	5794.
LOWER GRANITE RES IN, WA (1)	JAN-JUL	26900.0	90	29740.
	APR-JUL	19700.0	91	21650.

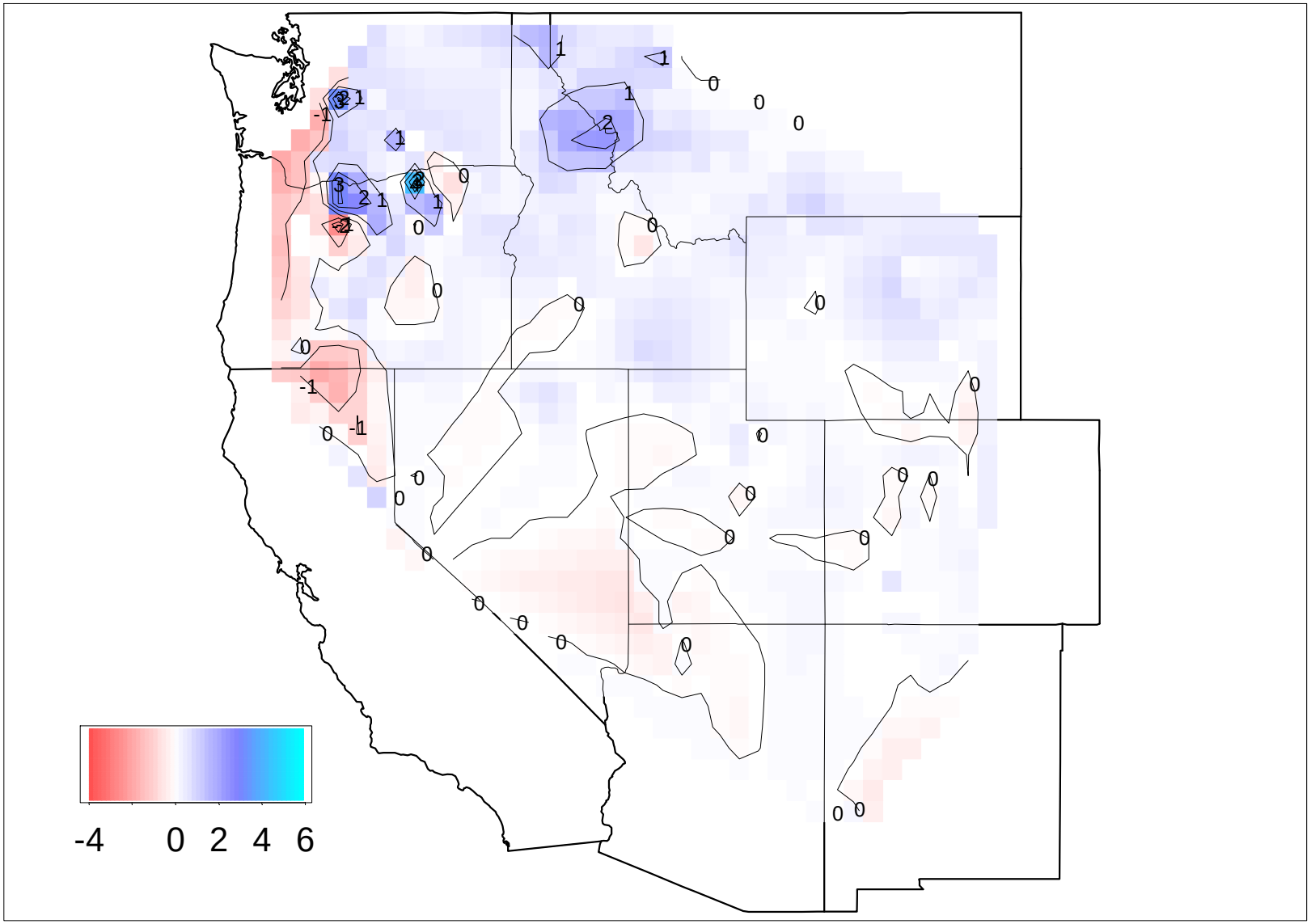
Columbia River Basin: Sorted Snow Measurements (SWE inches)



February 10, 2000

Confidential

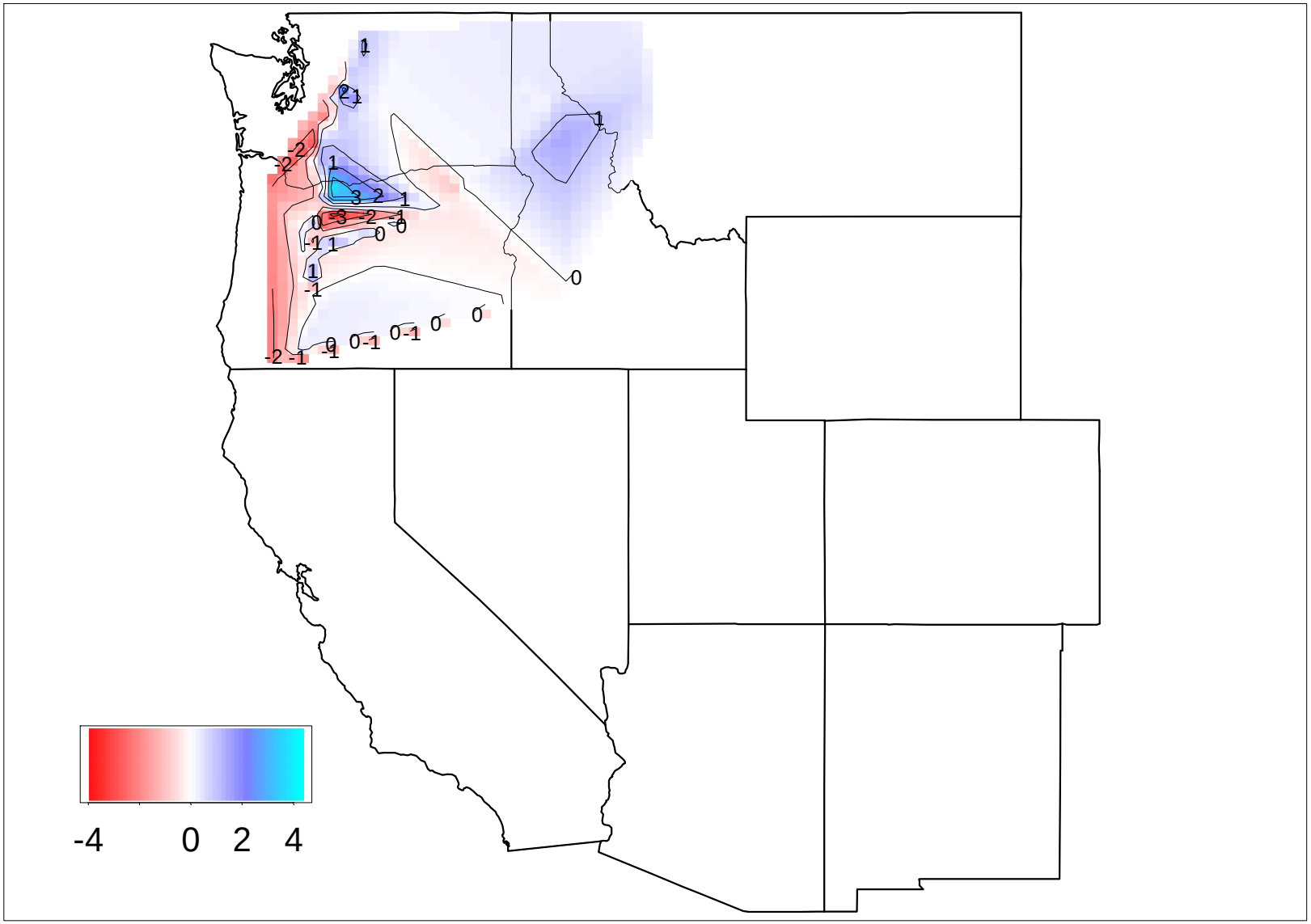
SNOTEL Snow Water Equivalent Change
All Stations



February 10 vs. February 3

Tim Heizenrader: Thu Feb 10 10:02:37 2000

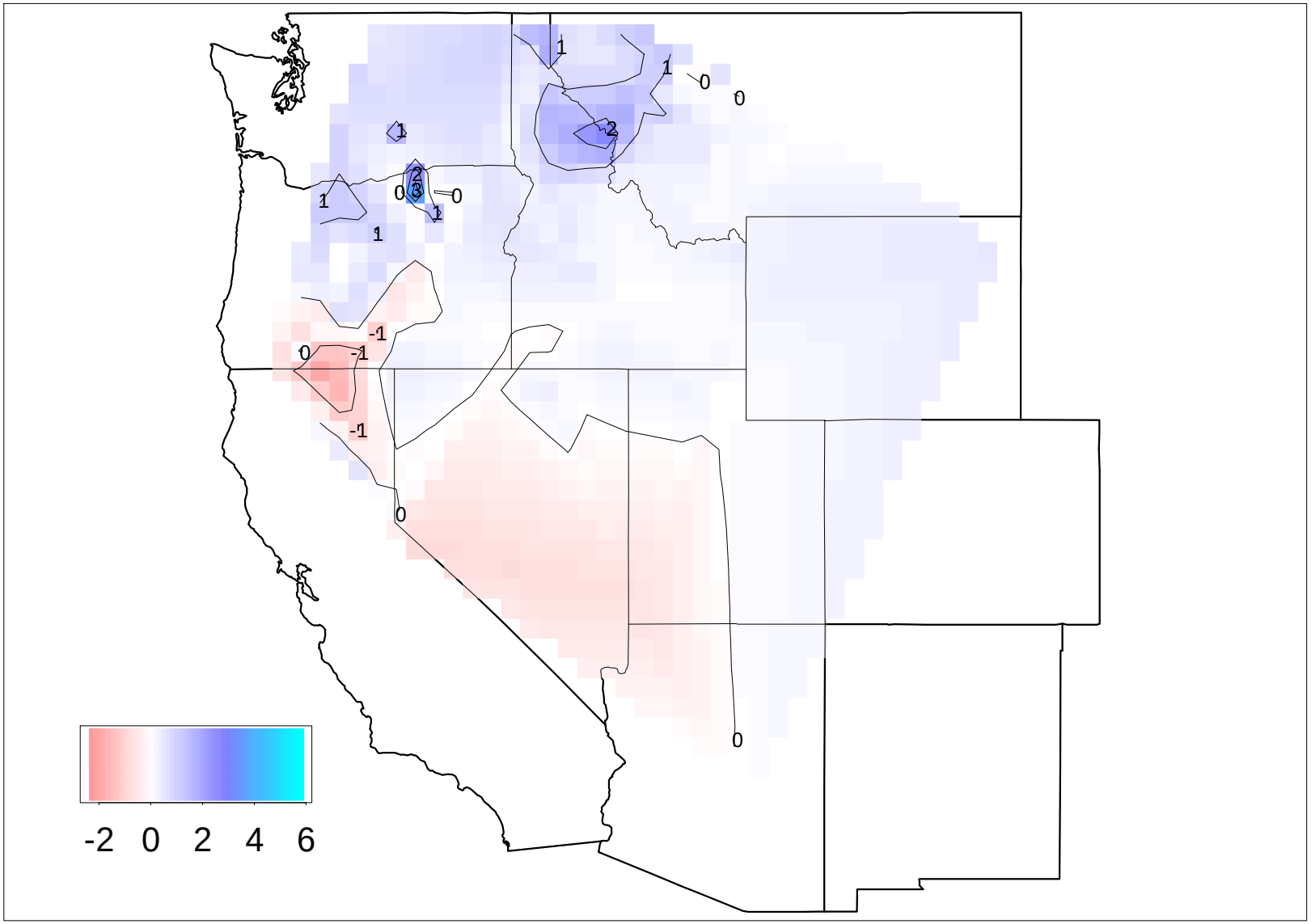
SNOTEL Snow Water Equivalent Change
Stations Below 5000 Feet



February 10 vs. February 3

Tim Heizenrader: Thu Feb 10 10:02:40 2000

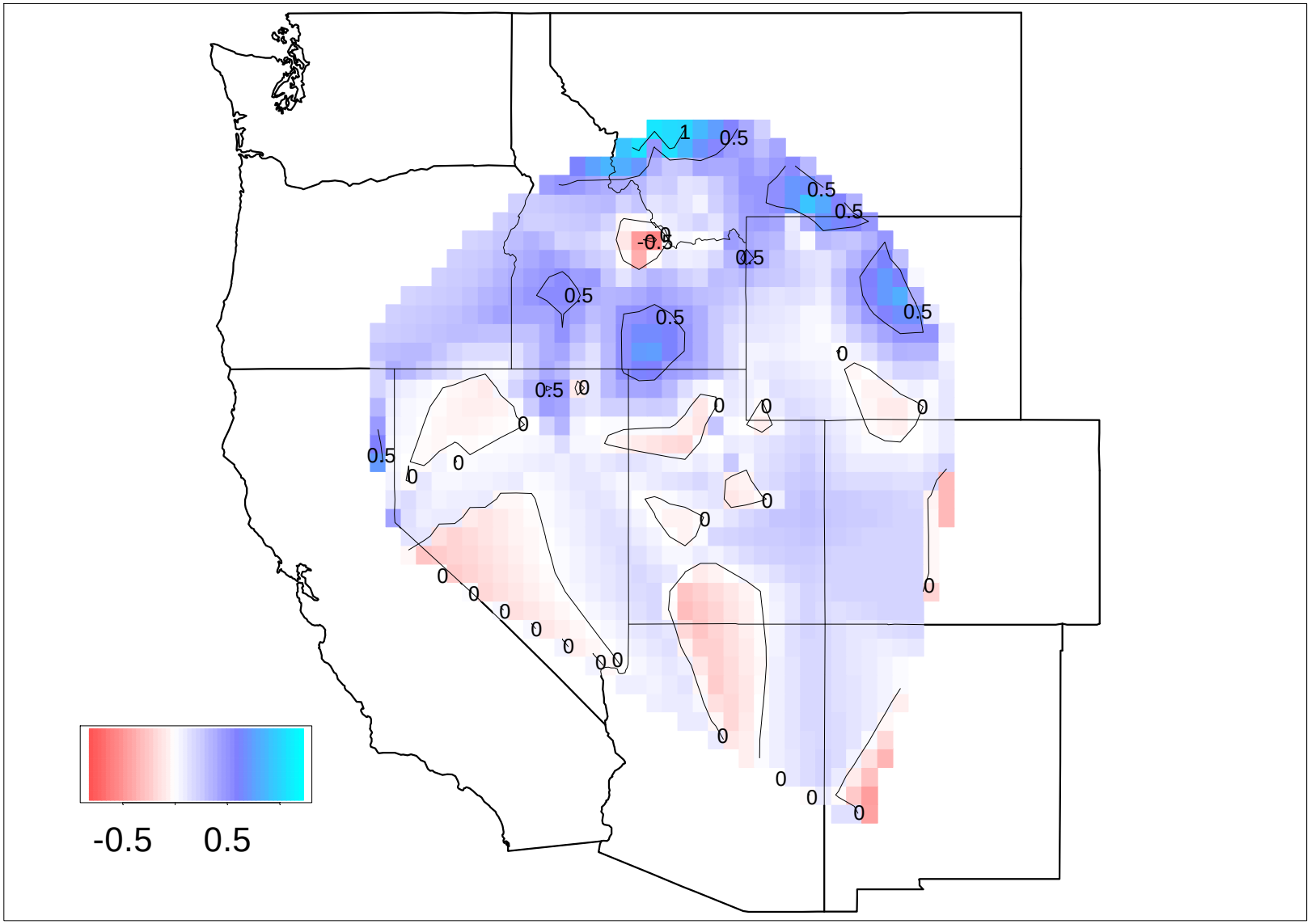
SNOTEL Snow Water Equivalent Change
Stations Between 5000 and 7000 Feet



February 10 vs. February 3

Tim Heizenrader: Thu Feb 10 10:02:42 2000

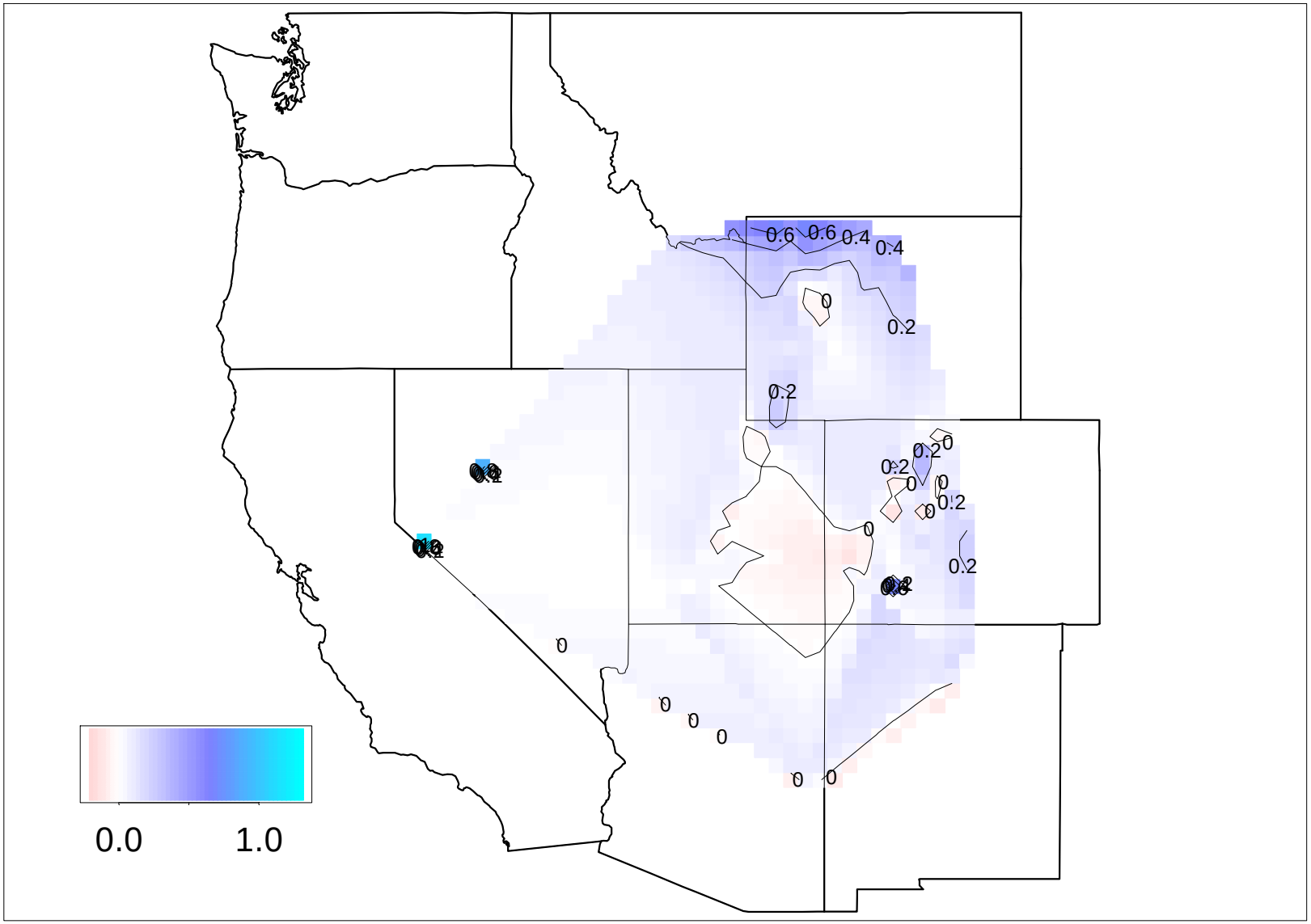
SNOTEL Snow Water Equivalent Change
Stations Between 7000 and 9000 Feet



February 10 vs. February 3

Tim Heizenrader: Thu Feb 10 10:02:45 2000

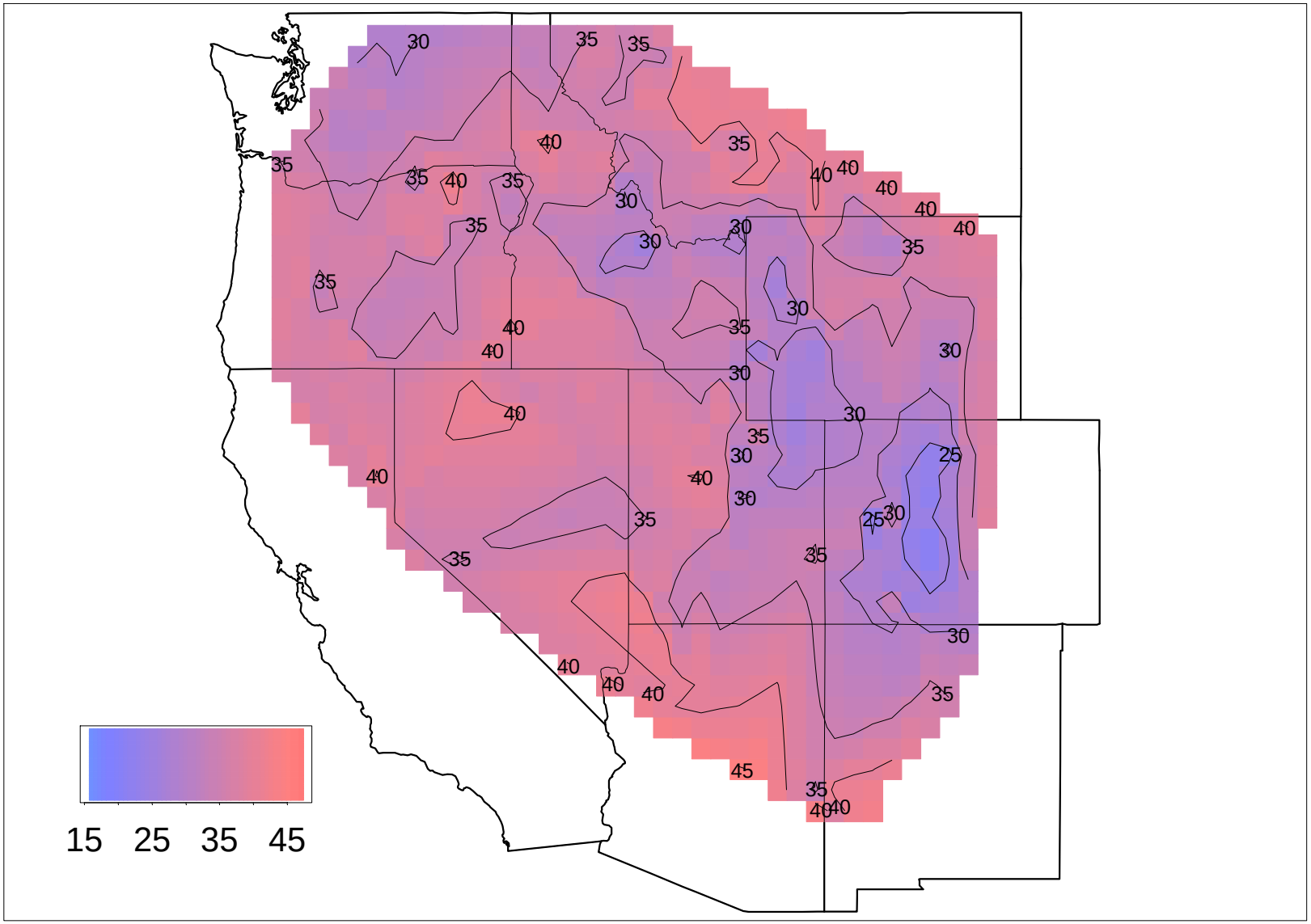
SNOTEL Snow Water Equivalent Change
Stations Above 9000 Feet



February 10 vs. February 3

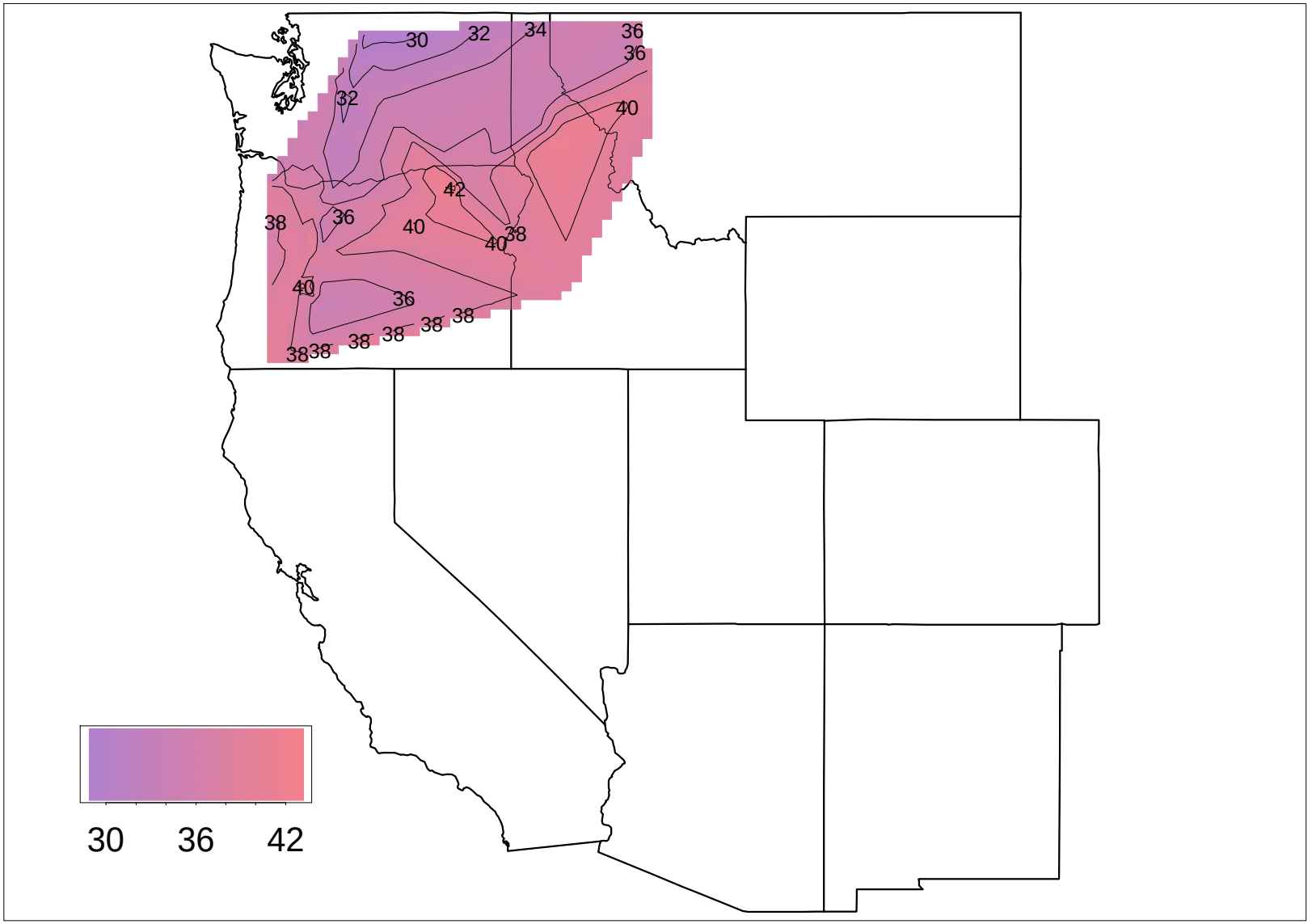
Tim Heizenrader: Thu Feb 10 10:02:47 2000

SNOTEL Daily Average Temperatures
All Stations



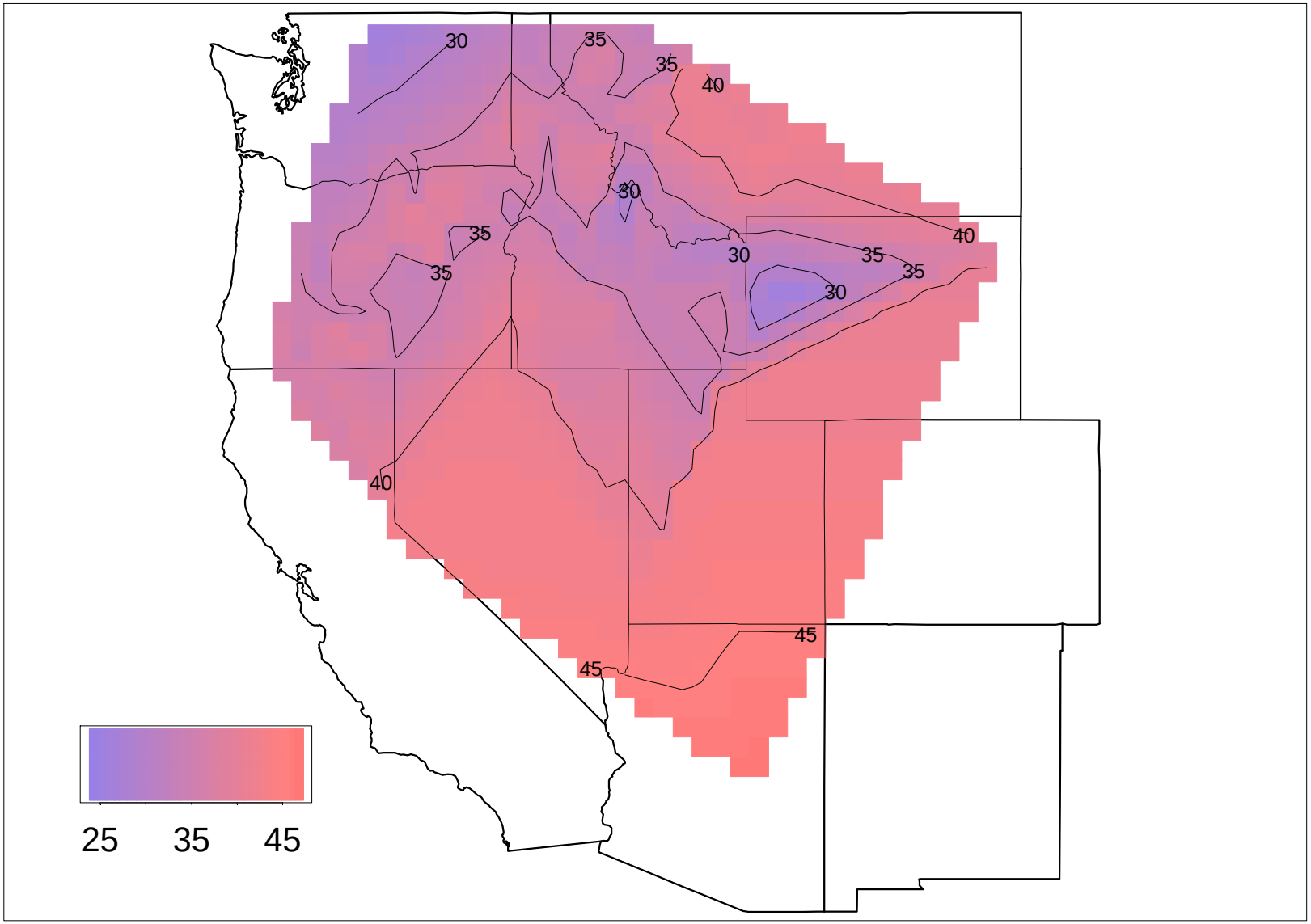
Tim Heizenrader: Thu Feb 10 09:34:14 2000

SNOTEL Daily Average Temperatures
Stations Below 5000 Feet



Tim Heizenrader: Thu Feb 10 09:34:15 2000

SNOTEL Daily Average Temperatures
Stations Between 5000 and 7000 Feet



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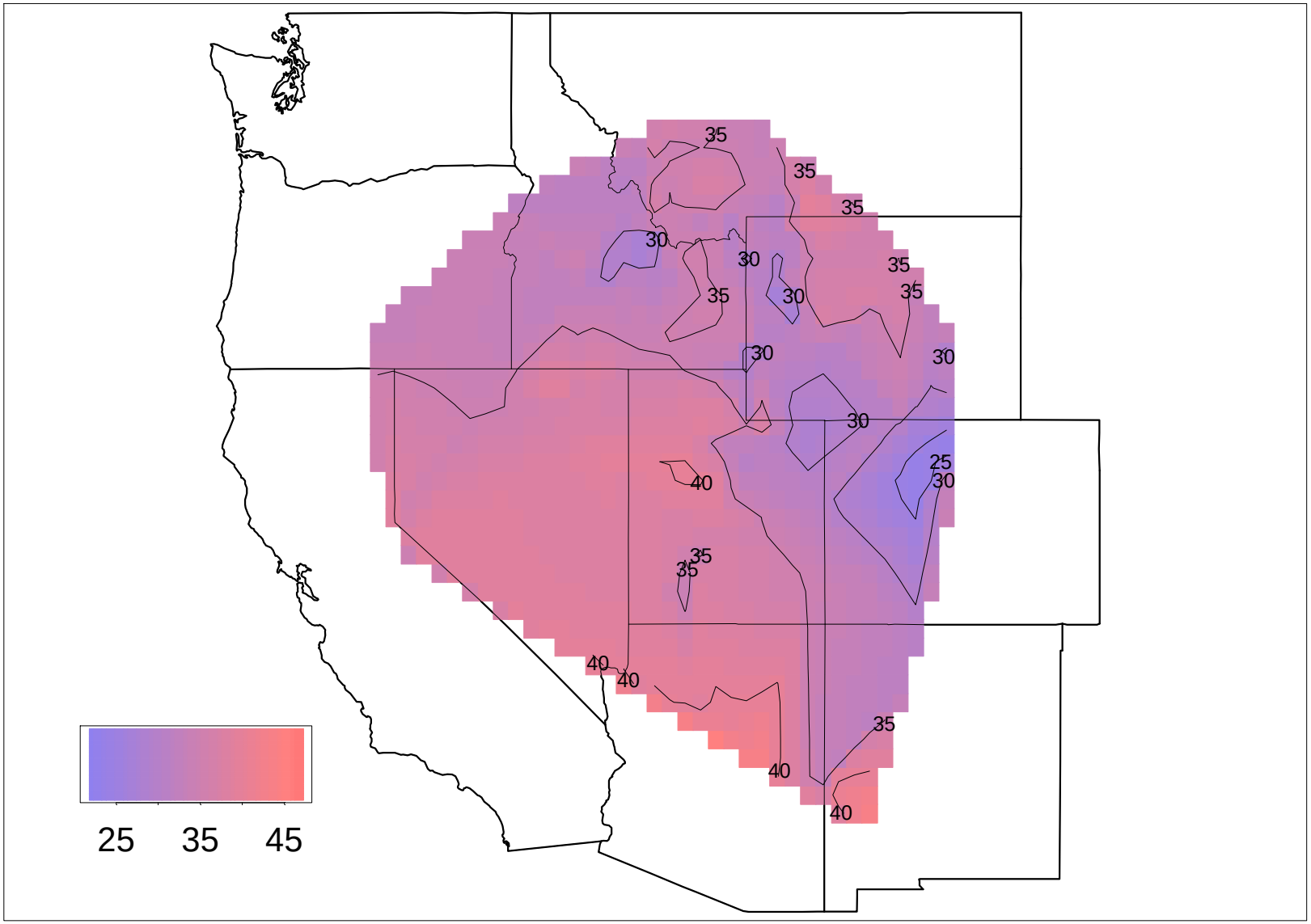
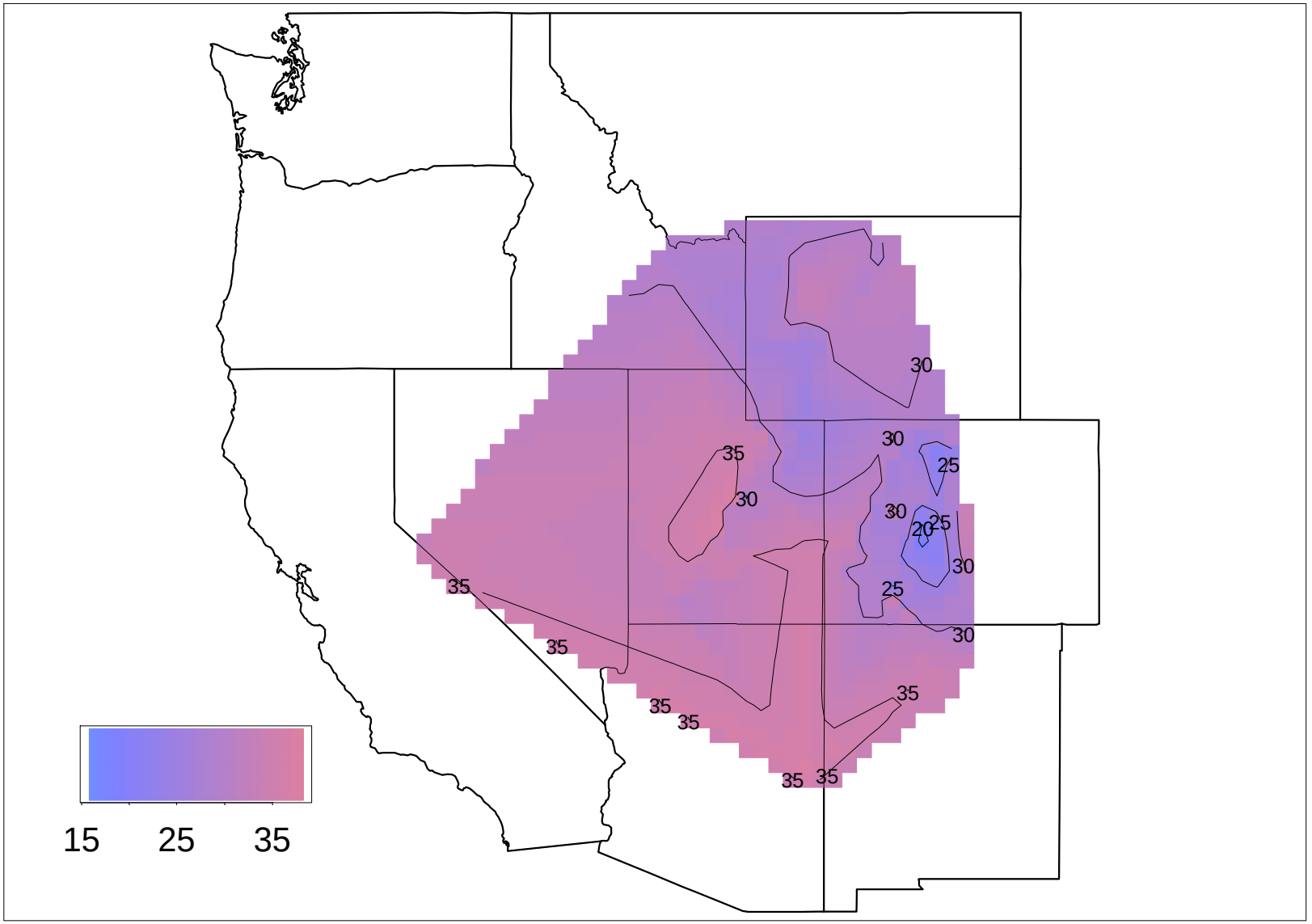
SNOTEL Daily Average Temperatures
Stations Between 7000 and 9000 Feet



Tim Heizenrader: Thu Feb 10 09:34:15 2000

SNOTEL Daily Average Temperatures
Stations Above 9000 Feet



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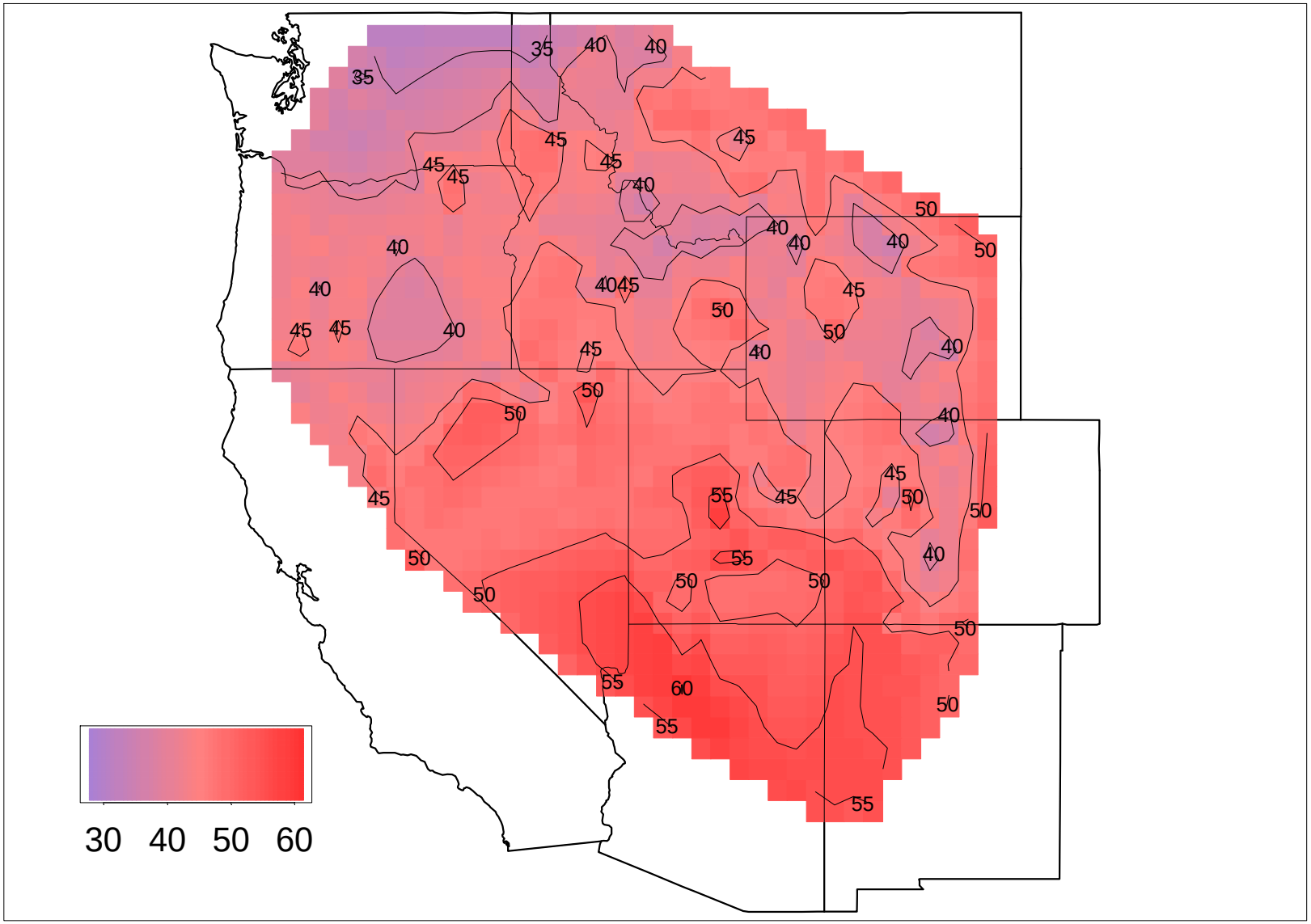
SNOTEL Daily Maximum Temperatures
All Stations



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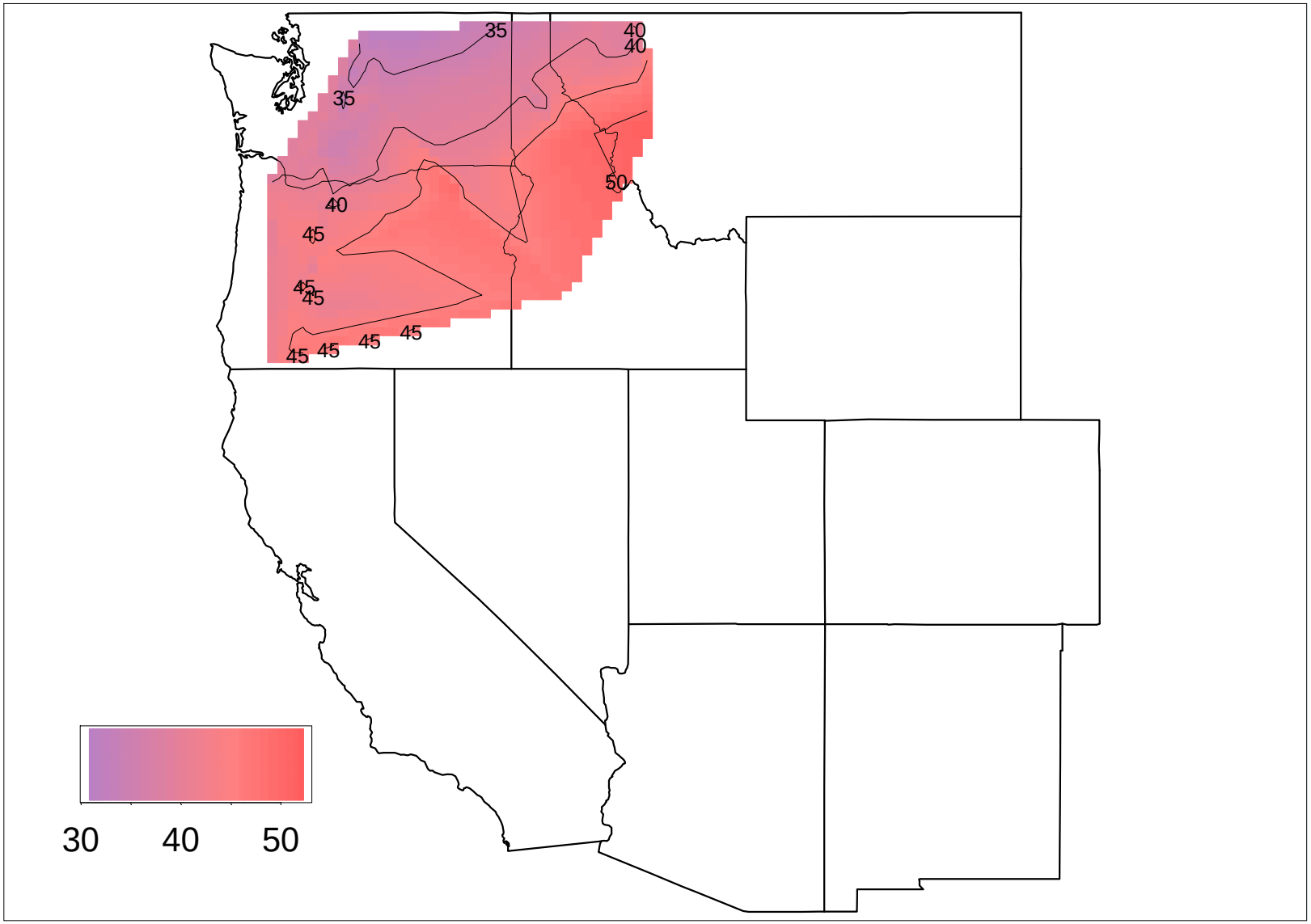
SNOTEL Daily Maximum Temperatures
Stations Below 5000 Feet



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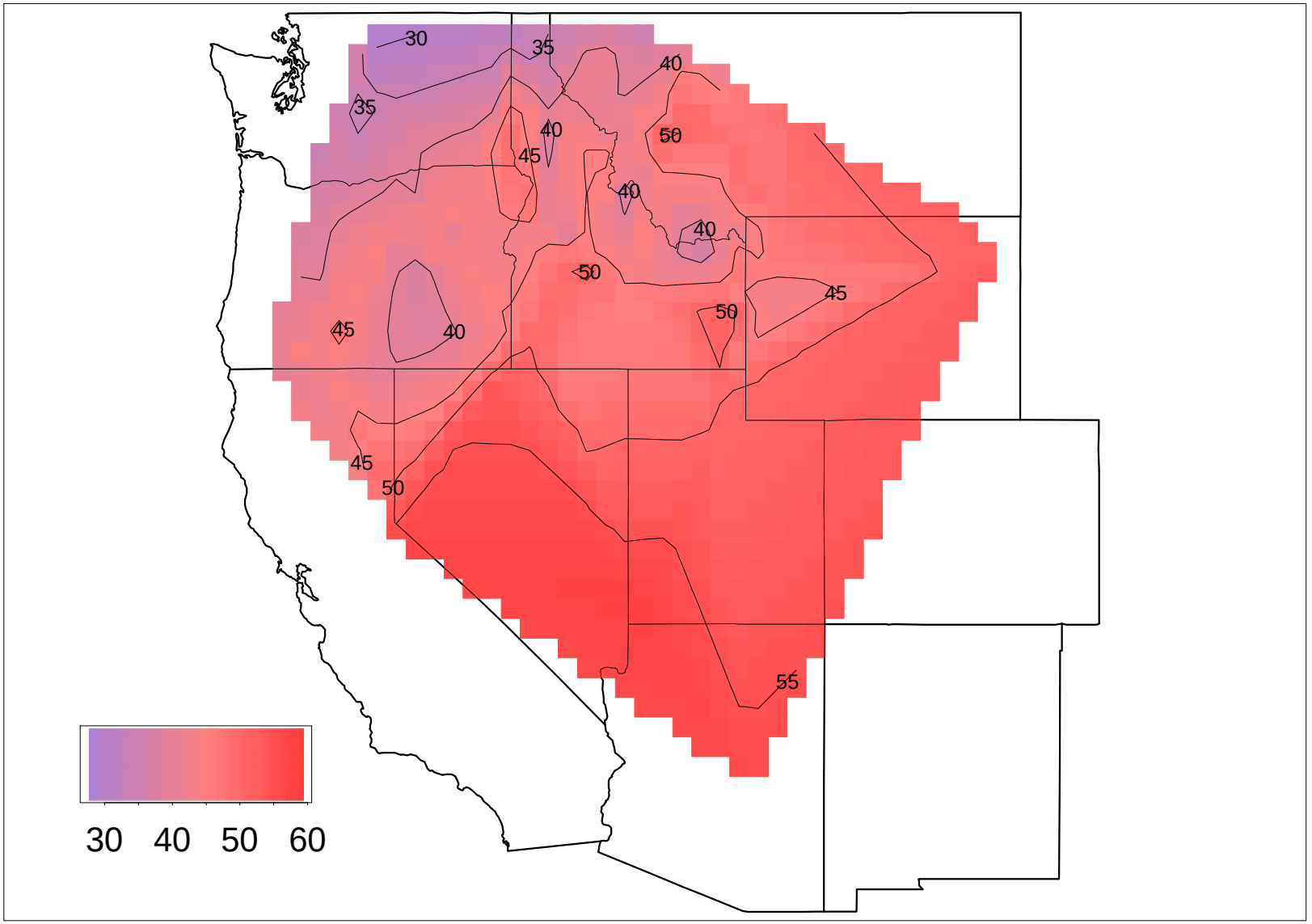
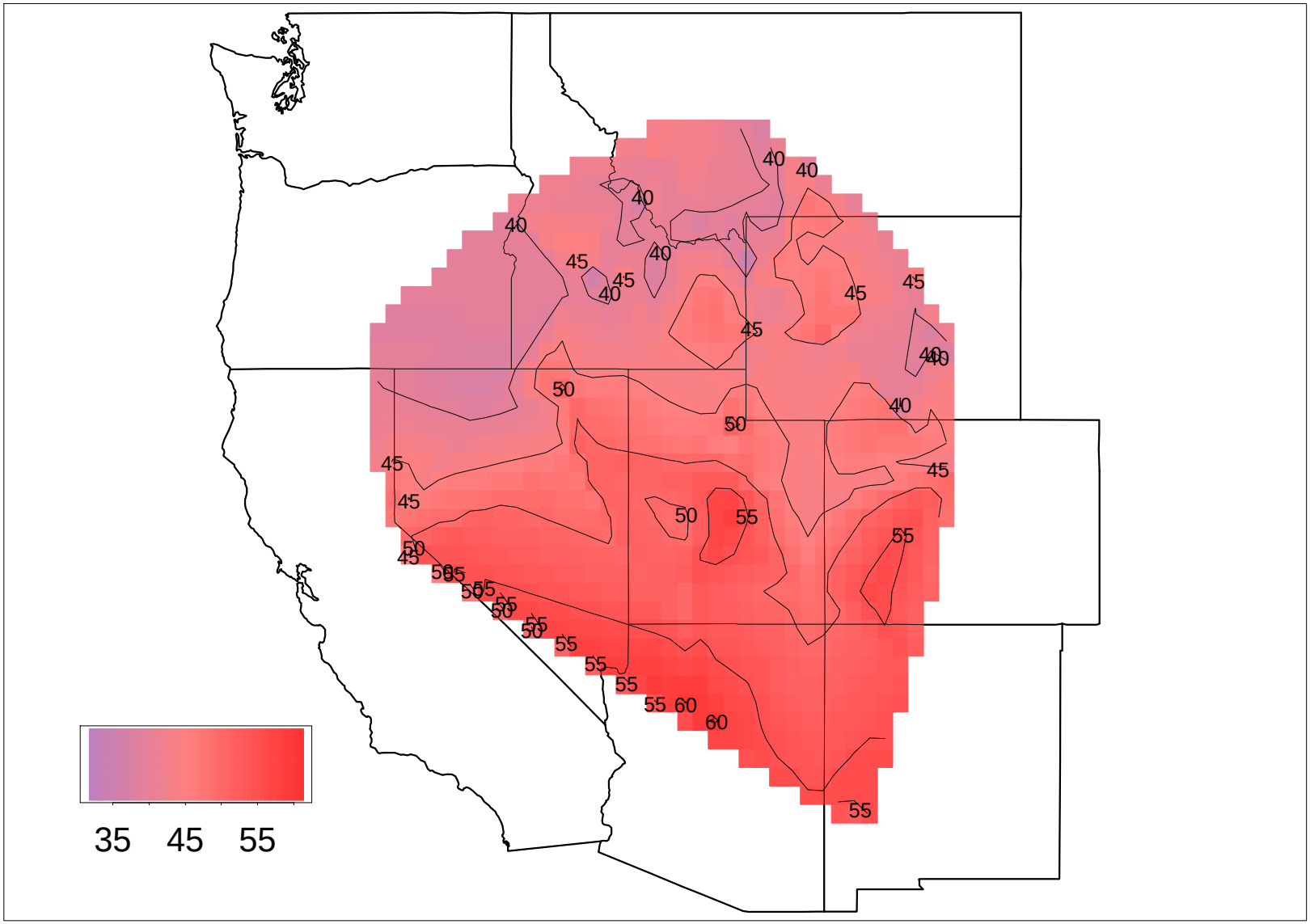
SNOTEL Daily Maximum Temperatures
Stations Between 5000 and 7000 Feet



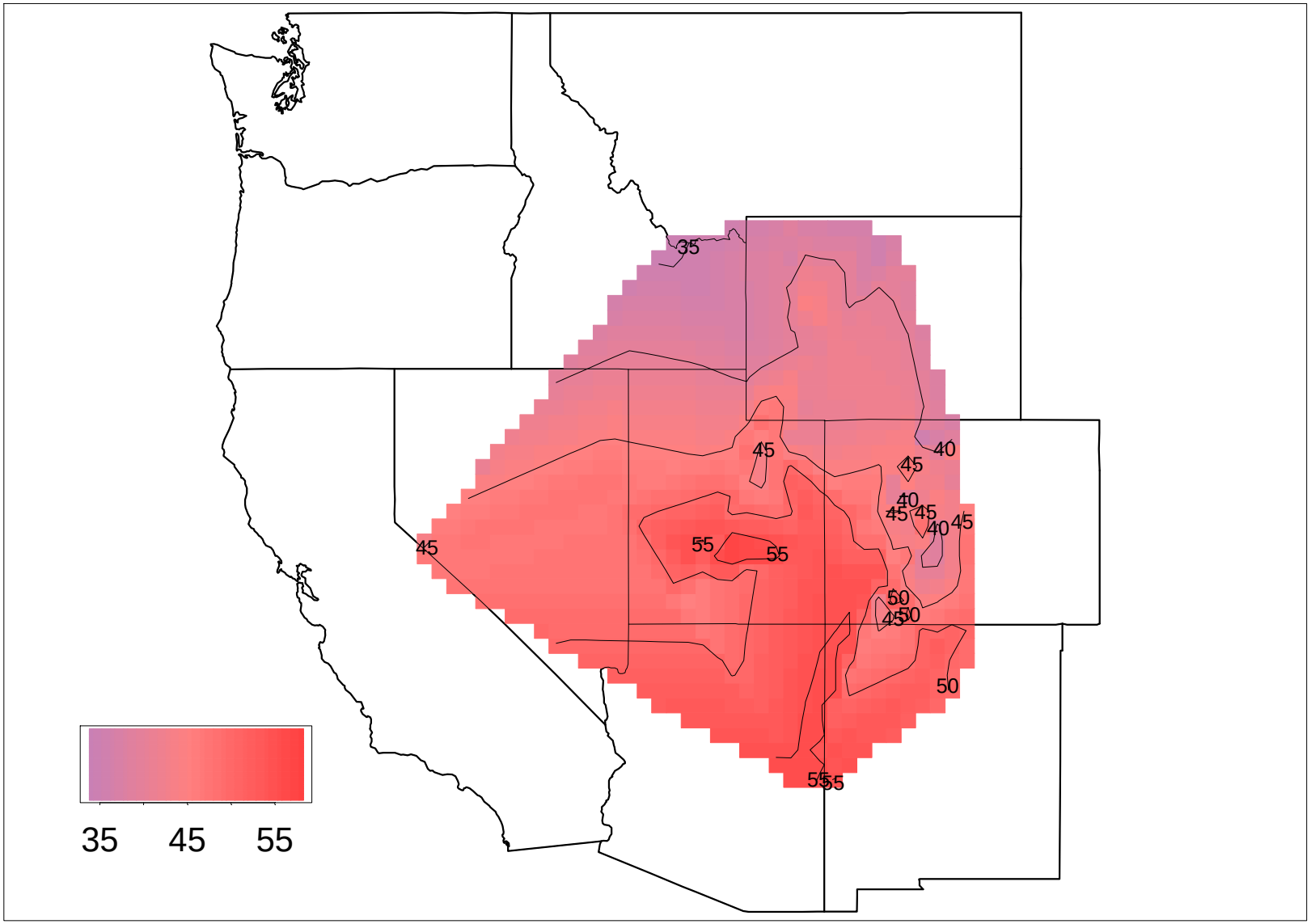
Tim Heizenrader: Thu Feb 10 09:34:18 2000

SNOTEL Daily Maximum Temperatures
Stations Between 7000 and 9000 Feet



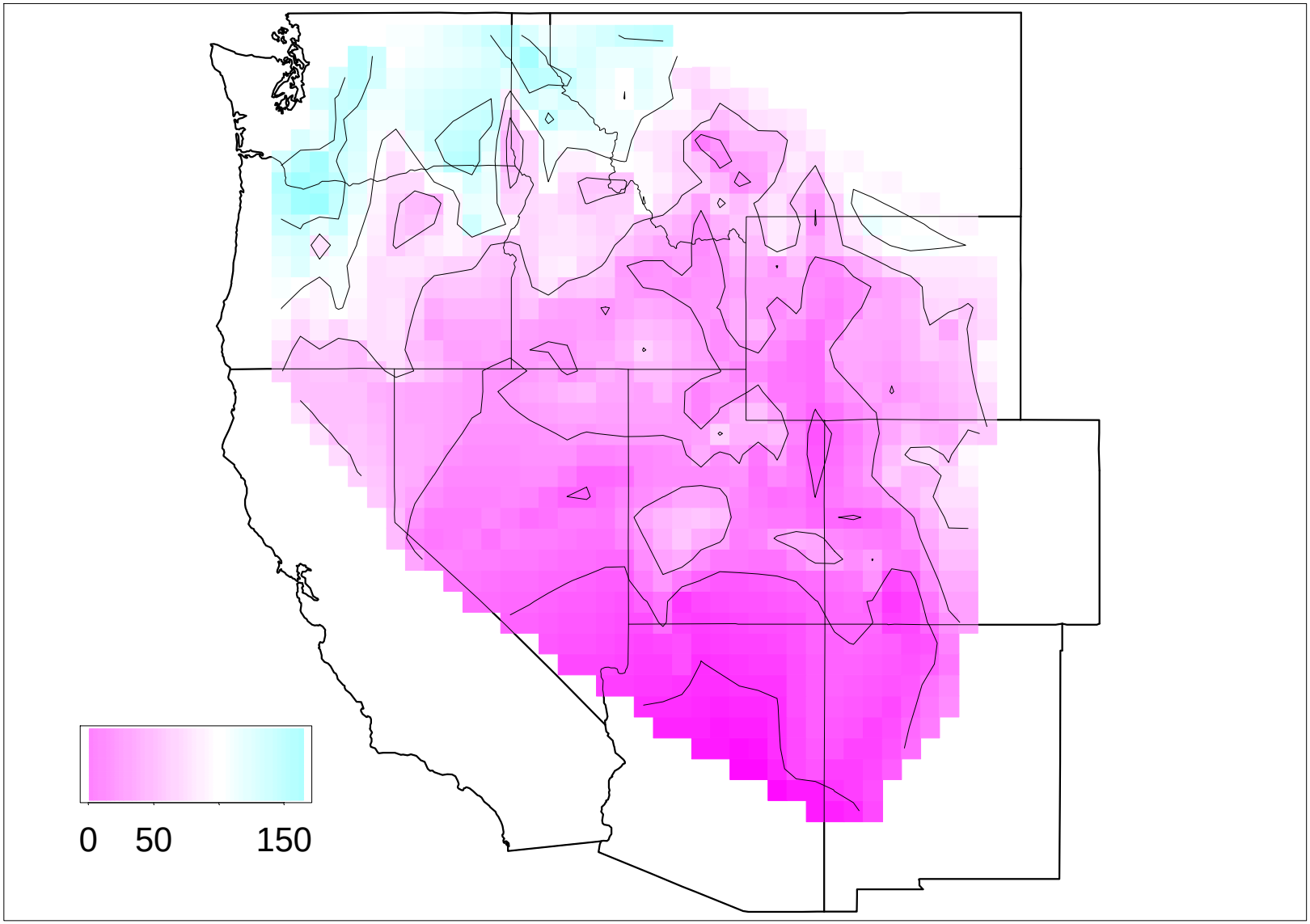
Tim Heizenrader: Thu Feb 10 09:34:18 2000

SNOTEL Daily Maximum Temperatures
Stations Above 9000 Feet



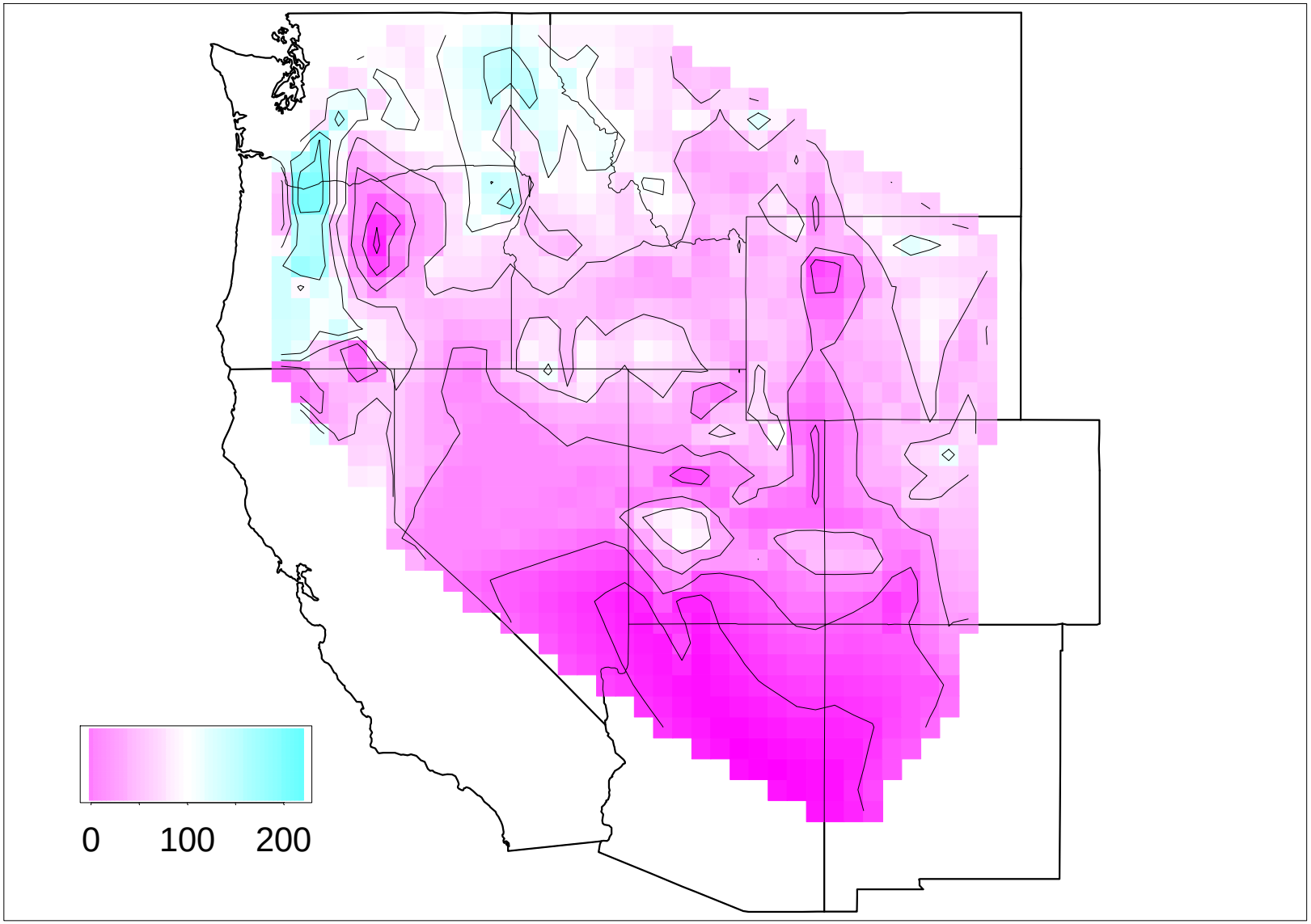
Tim Heizenrader: Thu Feb 10 09:34:19 2000

SNOTEL Cumulative Precipitation as Percent of Normal
All Stations



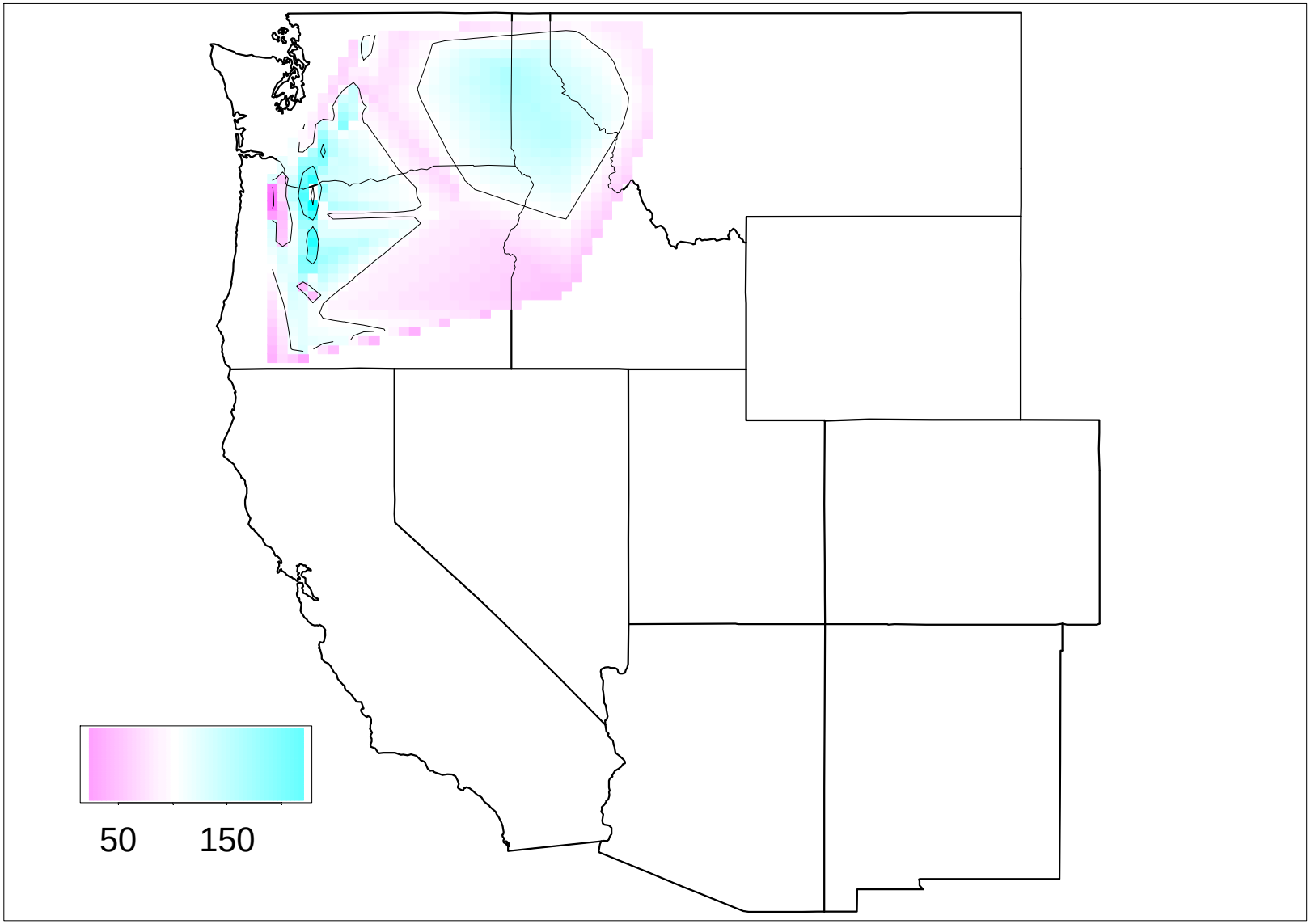
Tim Heizenrader: Thu Feb 10 09:37:13 2000

SNOTEL Snow Water Equivalent as Percent of Normal
All Stations



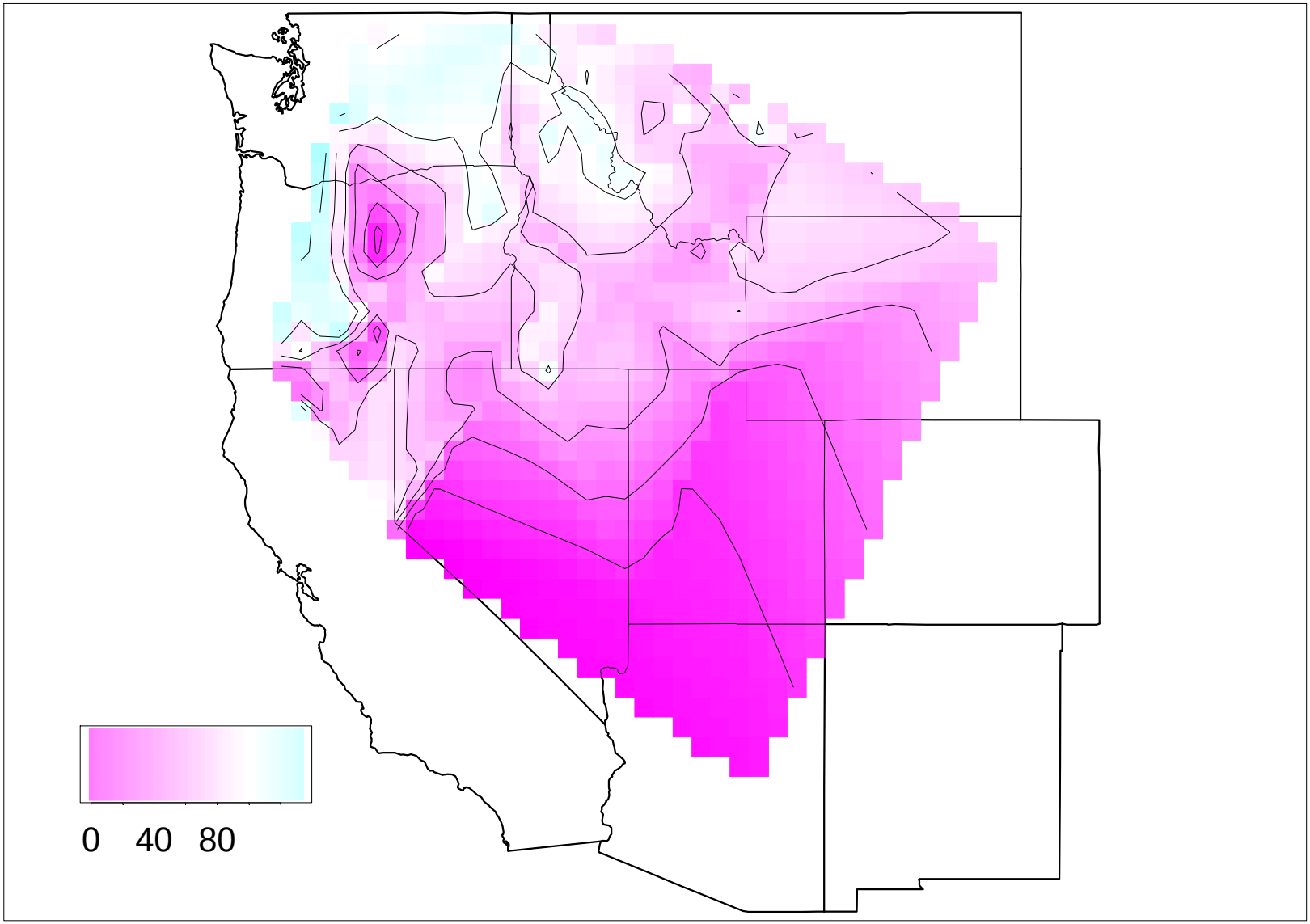
Tim Heizenrader: Thu Feb 10 09:37:14 2000

SNOTEL Snow Water Equivalent as Percent of Normal
Stations Below 5000 Feet



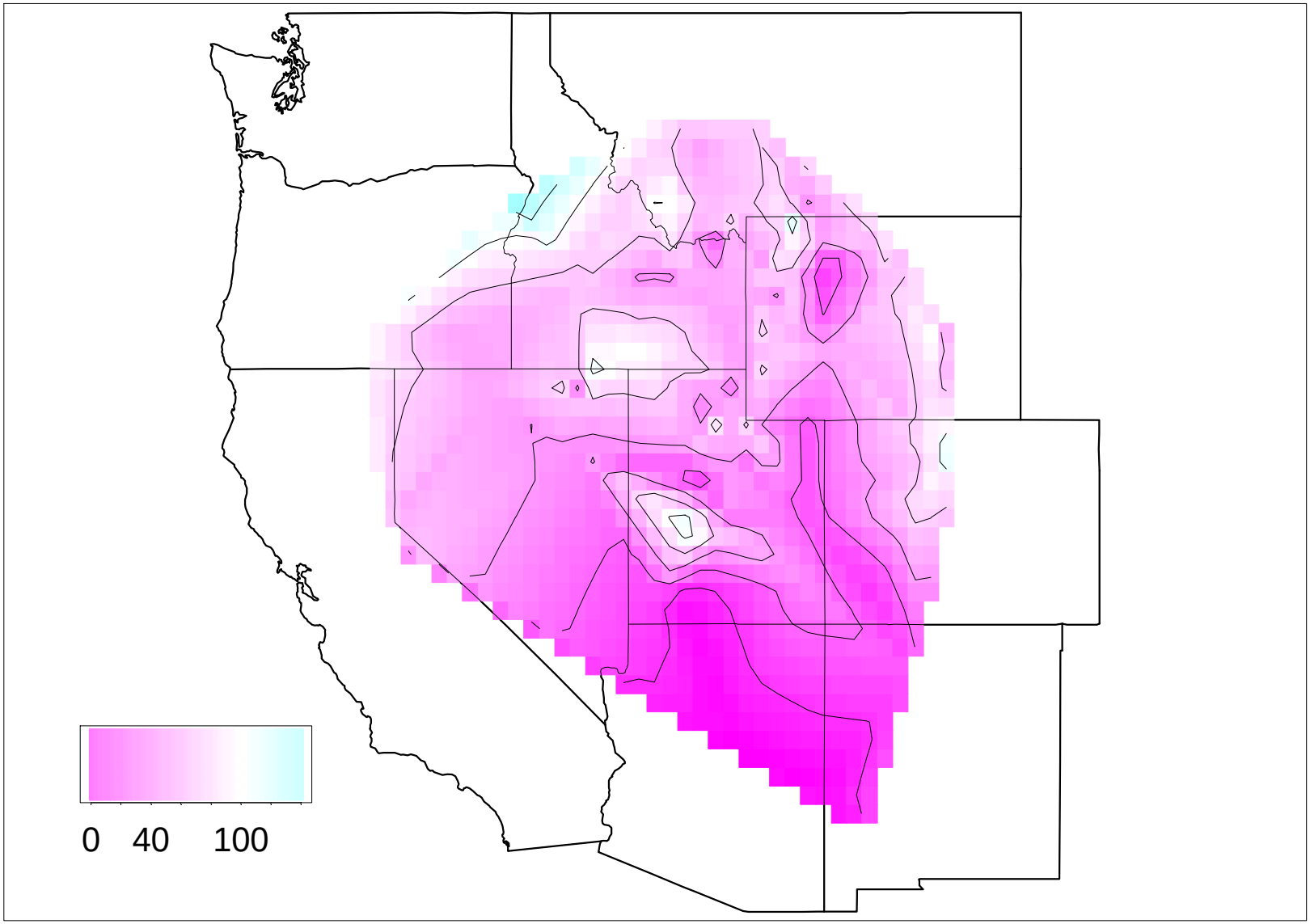
Tim Heizenrader: Thu Feb 10 09:37:15 2000

SNOTEL Snow Water Equivalent as Percent of Normal
Stations Between 5000 and 7000 Feet



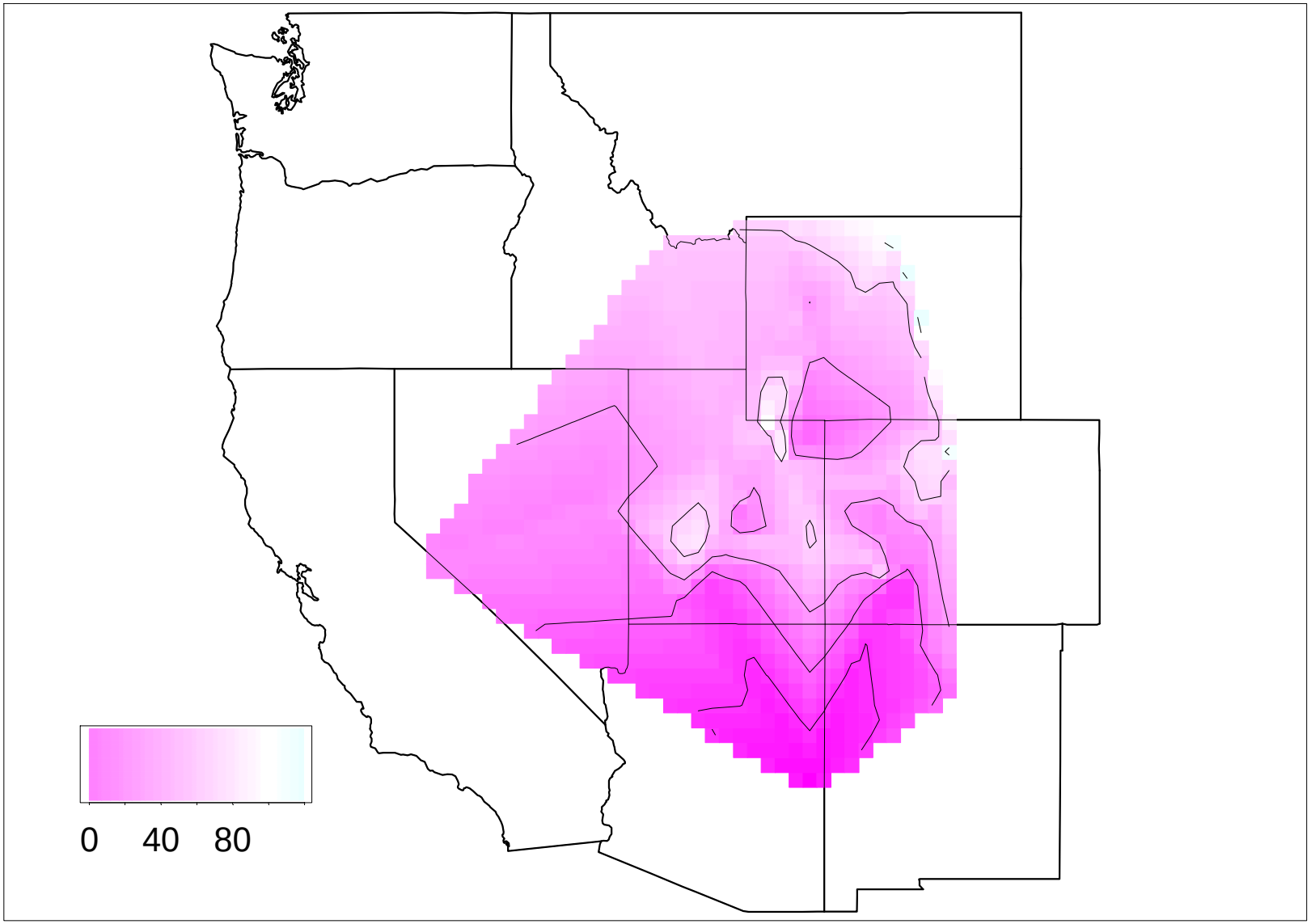
Tim Heizenrader: Thu Feb 10 09:37:16 2000

SNOTEL Snow Water Equivalent as Percent of Normal
Stations Between 7000 and 9000 Feet



Tim Heizenrader: Thu Feb 10 09:37:17 2000

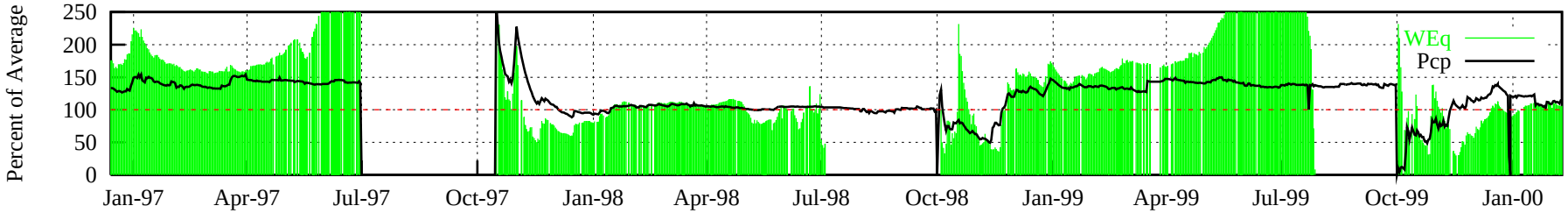
SNOTEL Snow Water Equivalent as Percent of Normal
Stations Above 9000 Feet



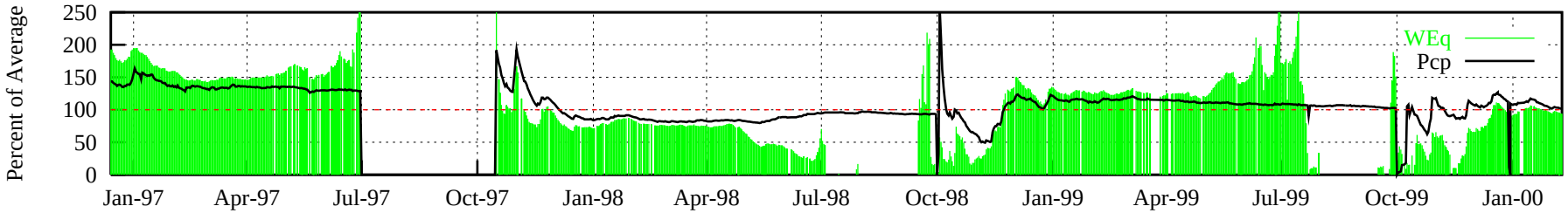
Tim Heizenrader: Thu Feb 10 09:37:18 2000

Pacific Northwest Snow Summary
January, 1997 - Present

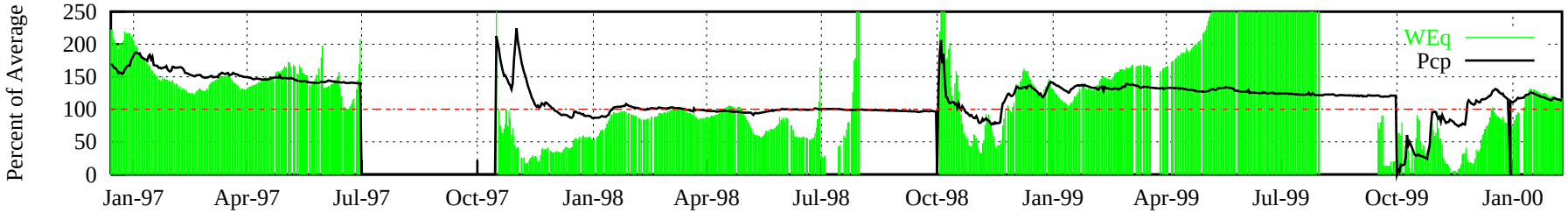
Upper Columbia Index



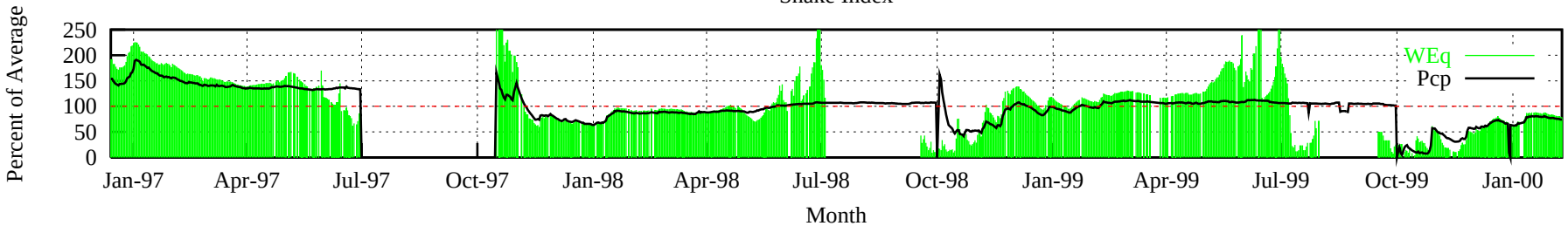
Kootenai / Flathead Index



Cascade West Index



Snake Index



Month

February 10, 2000

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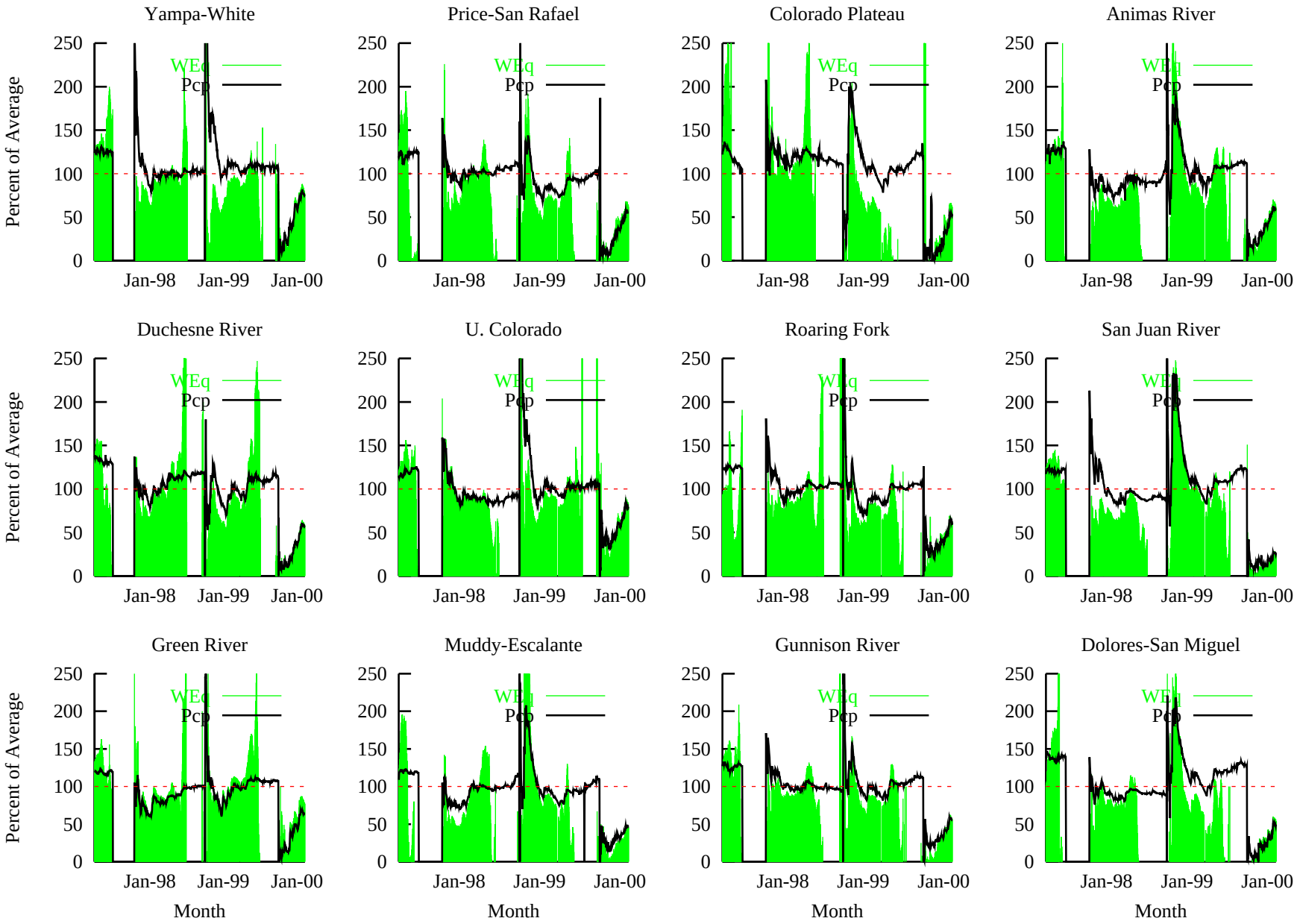
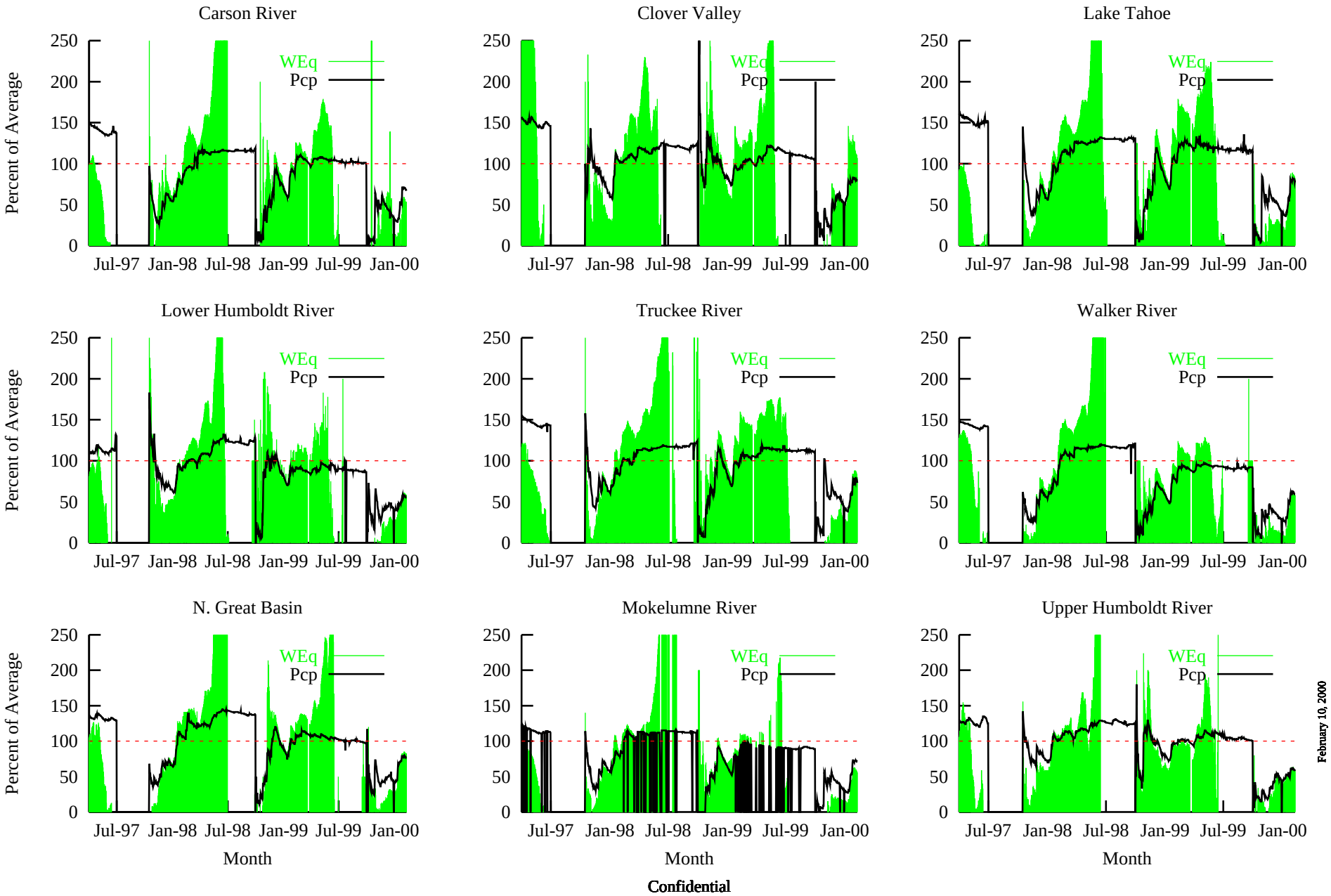
Colorado River Basin Snow Summary
April, 1997 - Present



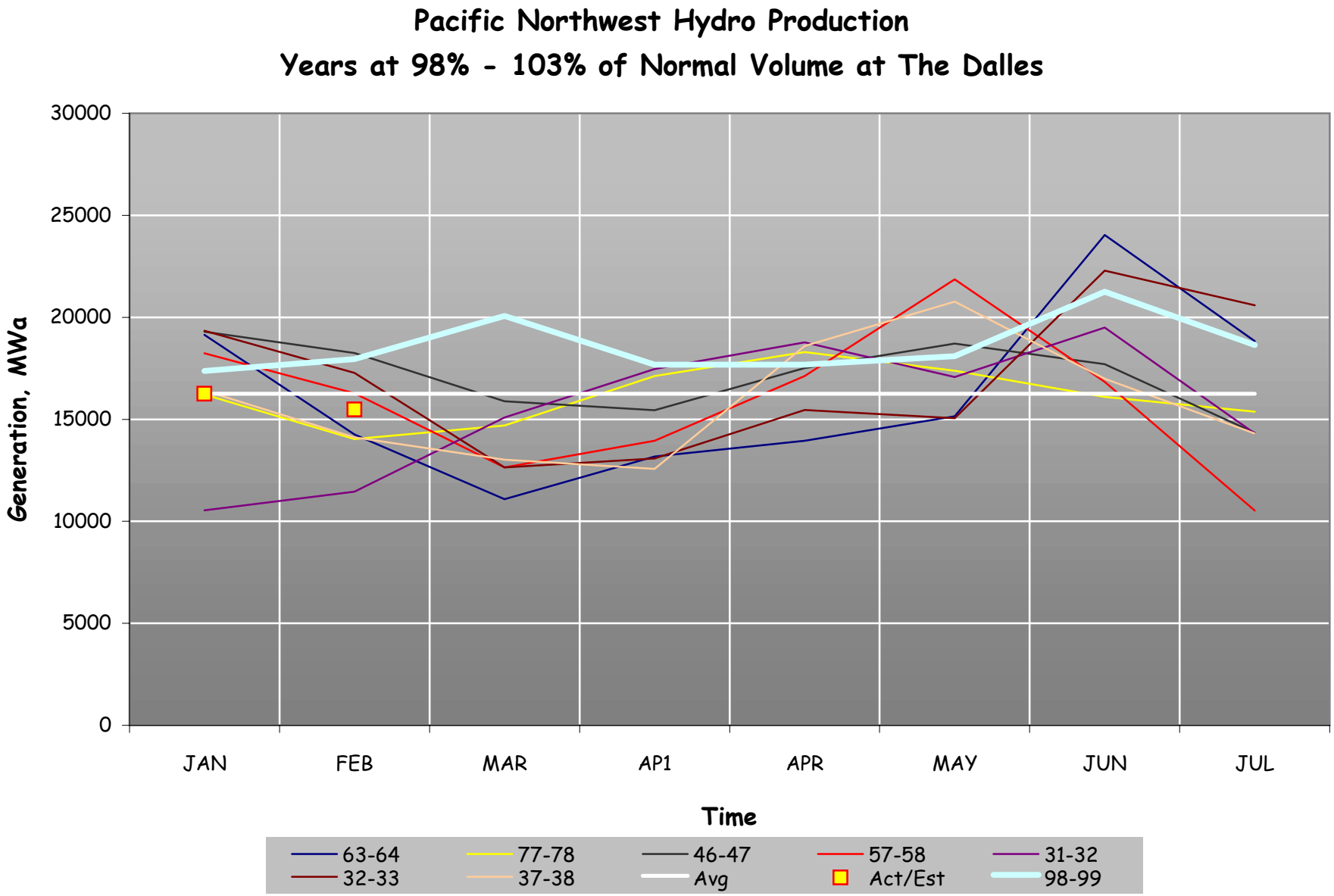
Confidential

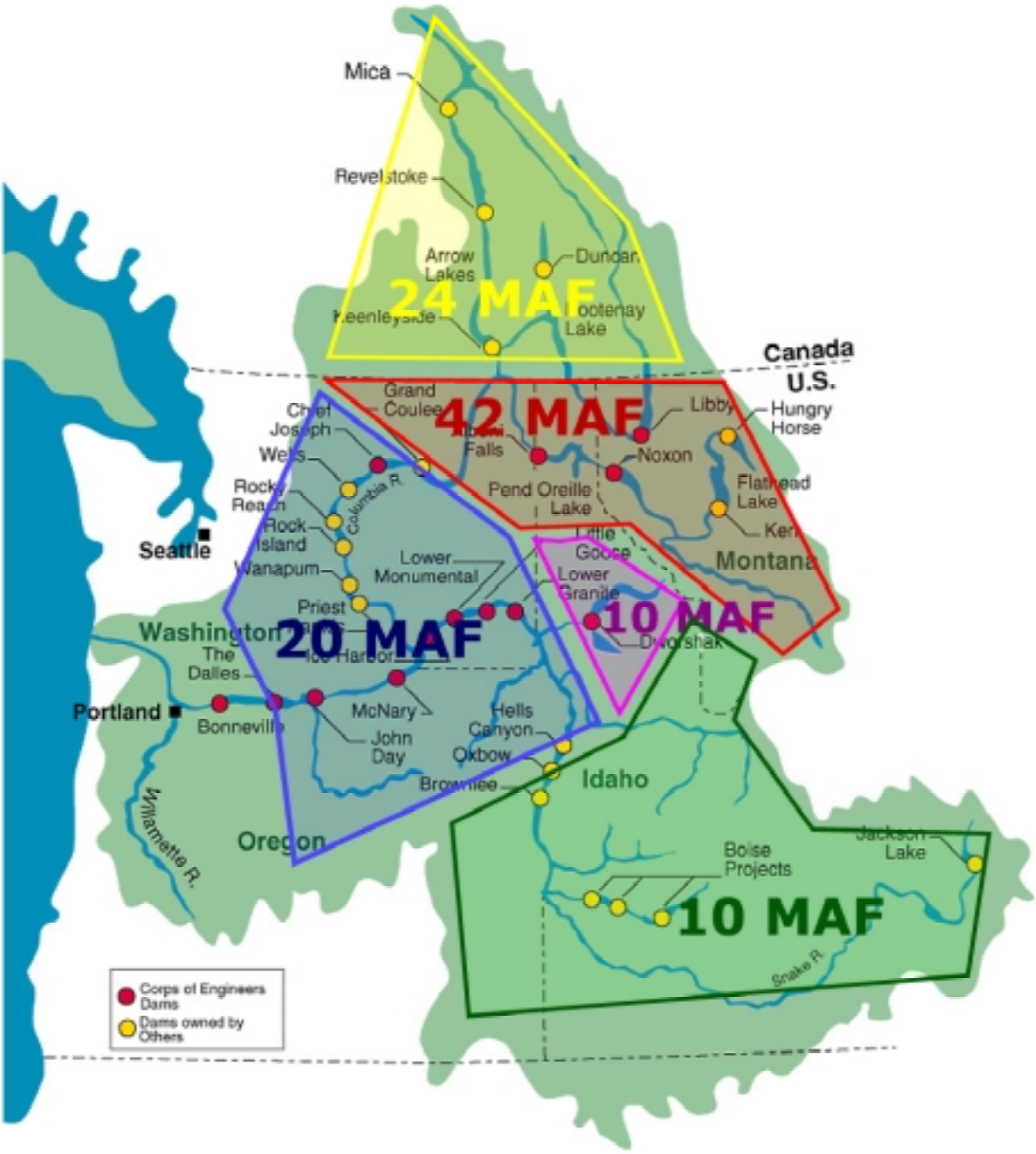
February 10, 2000

California / Nevada Snow Summary
April, 1997 - Present

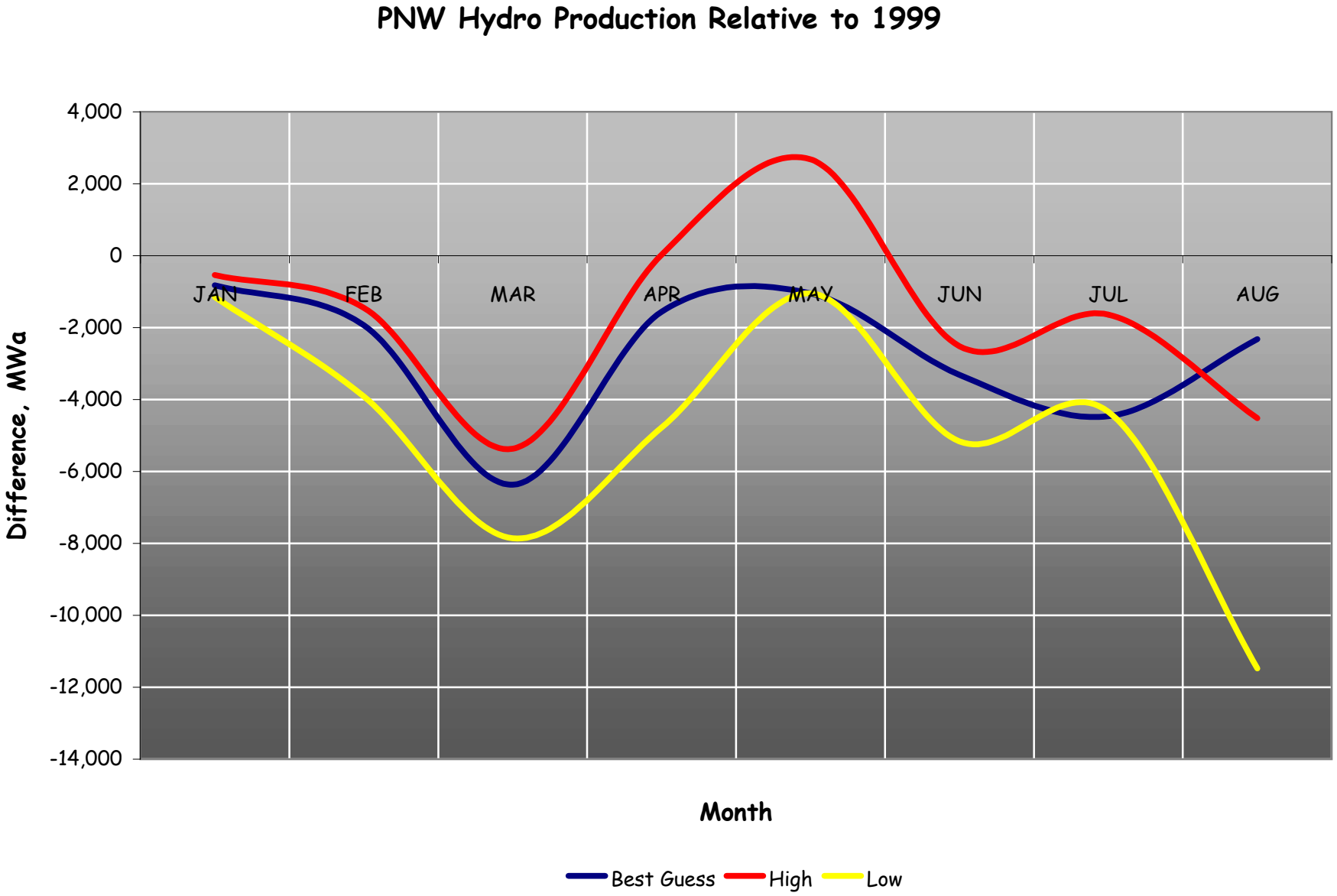


Confidential


Pacific Northwest Hydro Production
Years at 98% - 103% of Normal Volume at The Dalles
Generation, MWa
30000
25000
20000
15000
10000
5000
0
JAN
FEB
MAR
AP1
APR
MAY
JUN
JUL
Time
63-64
77-78
46-47
57-58
31-32
32-33
37-38
Avg
Act/Est
98-99



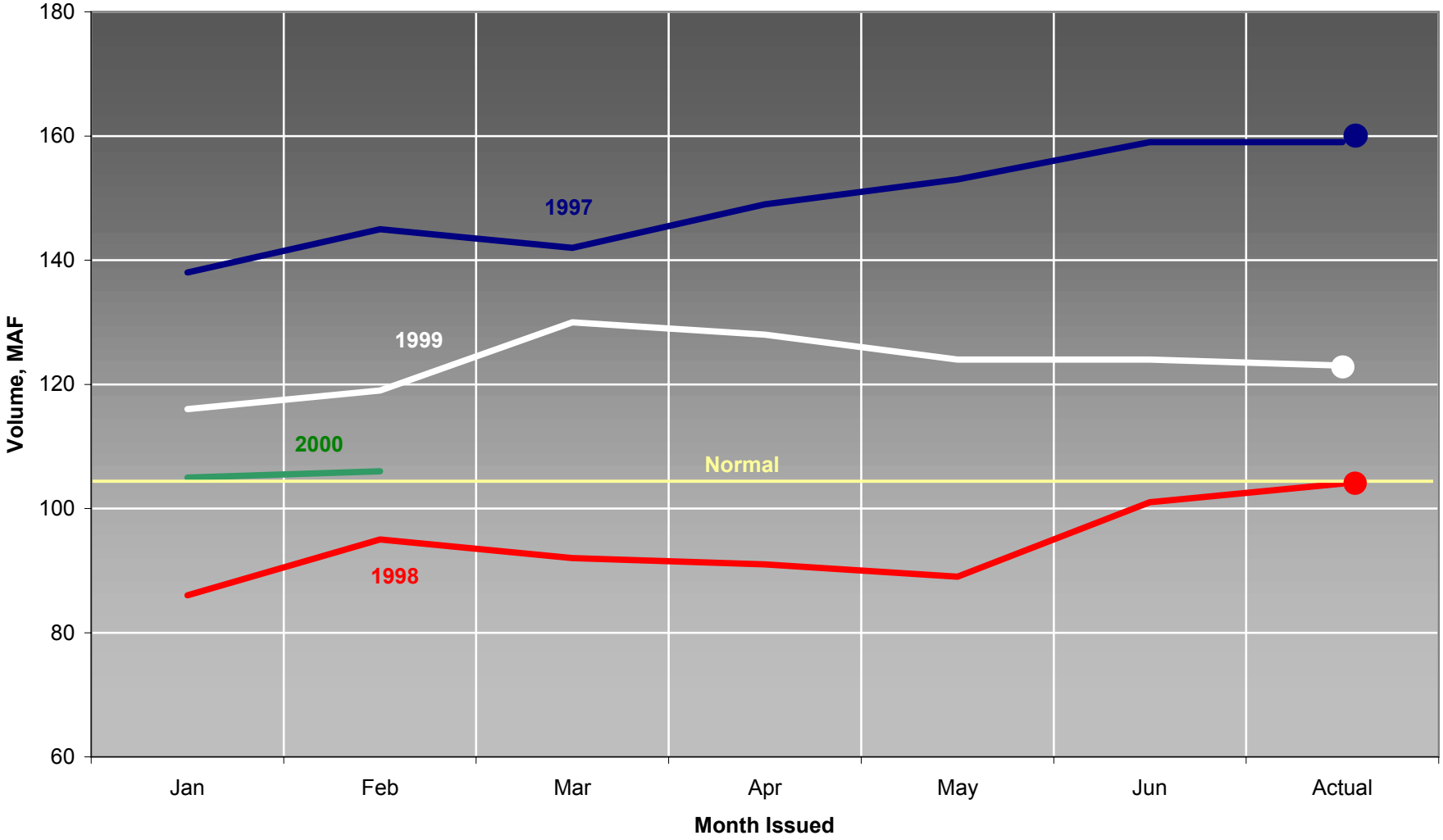
Year 2000 Water Supply: Regional Contributions to The Dalles 106 MAF Volume Forecast

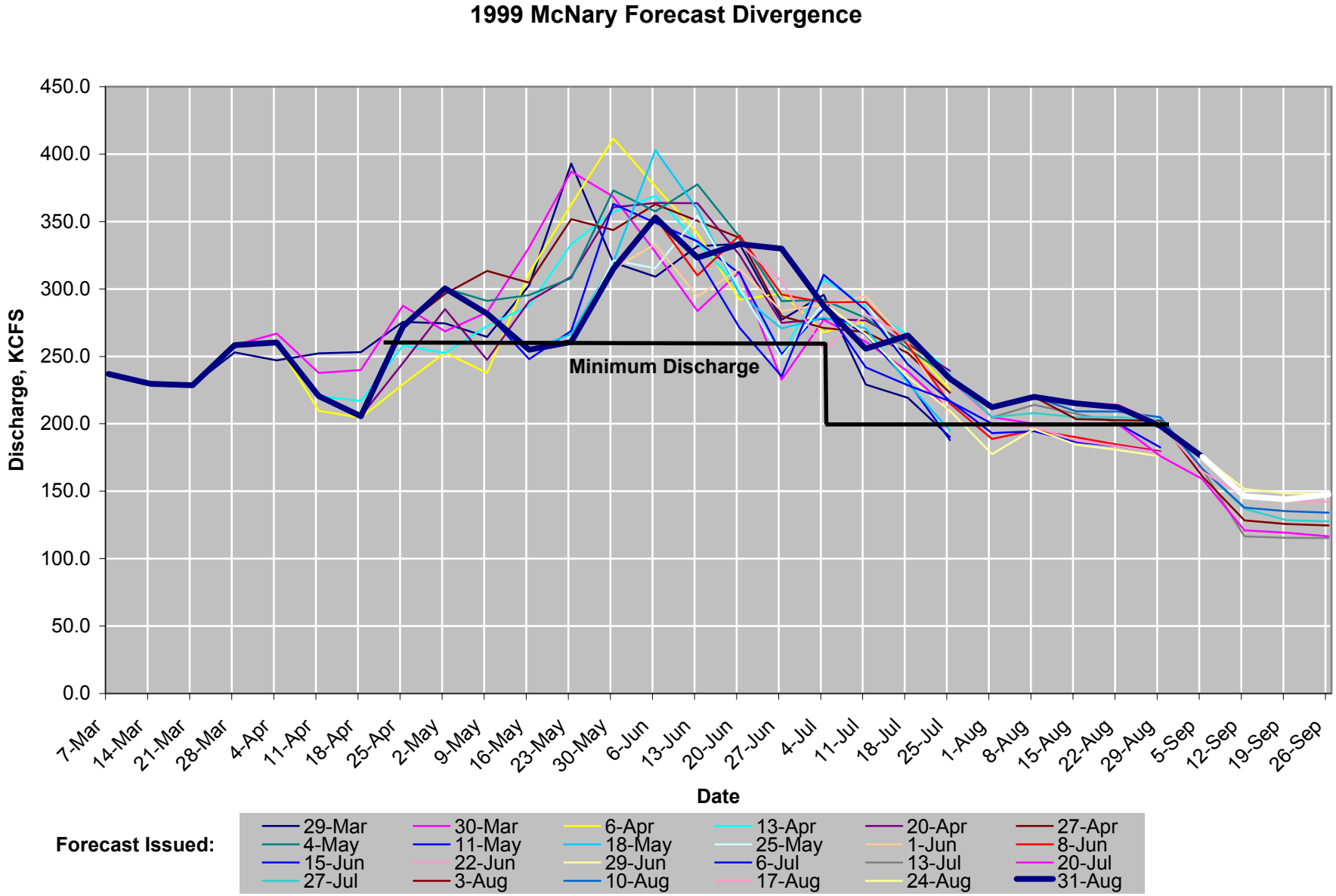

PNW Hydro Production Relative to 1999
4,000
2,000
0
-2,000
-4,000
-6,000
-8,000
-10,000
-12,000
-14,000
Difference, MWa
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
Month
Best Guess
High
Low

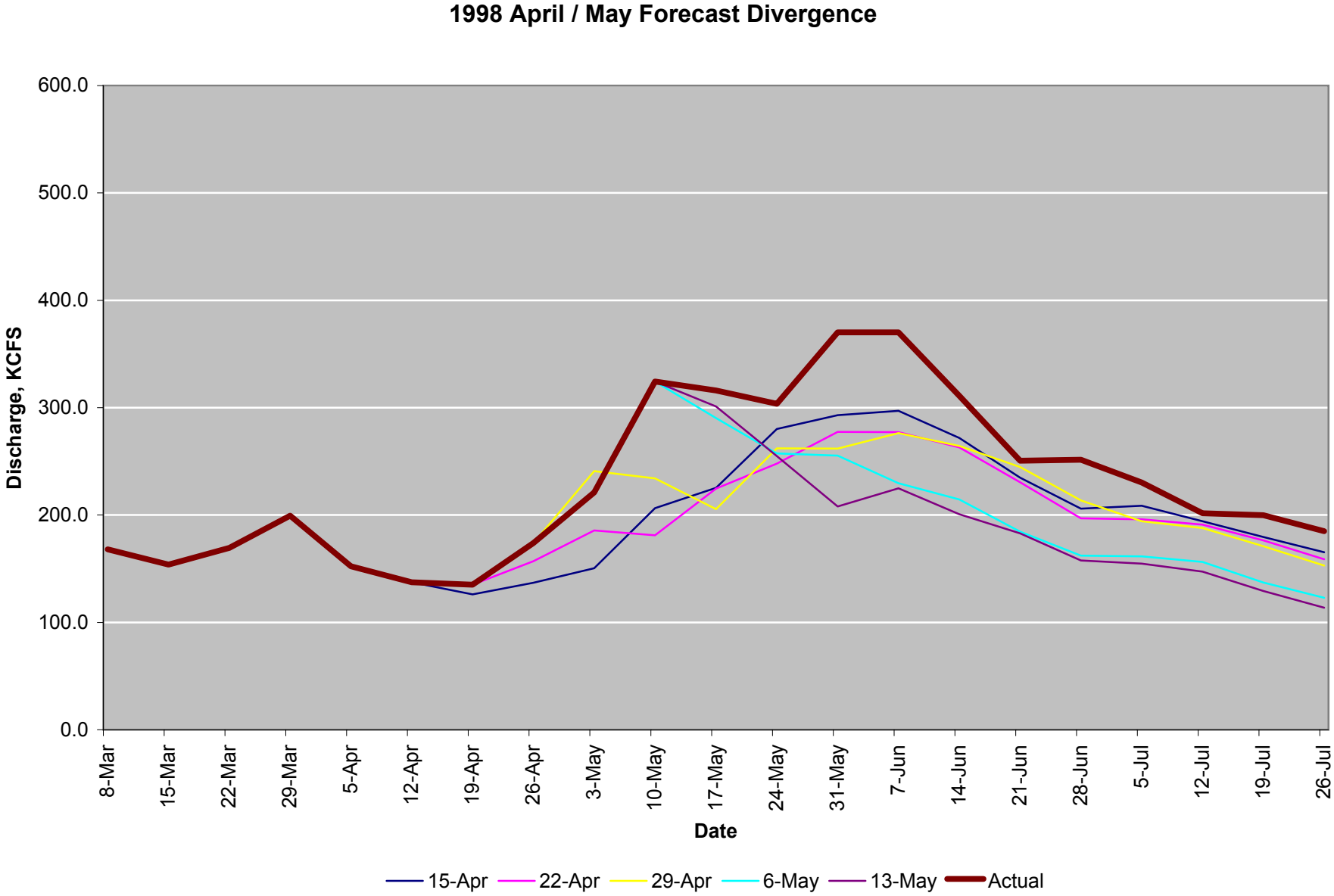
Estimated PNW Hydro Production
2000 Vs 1999

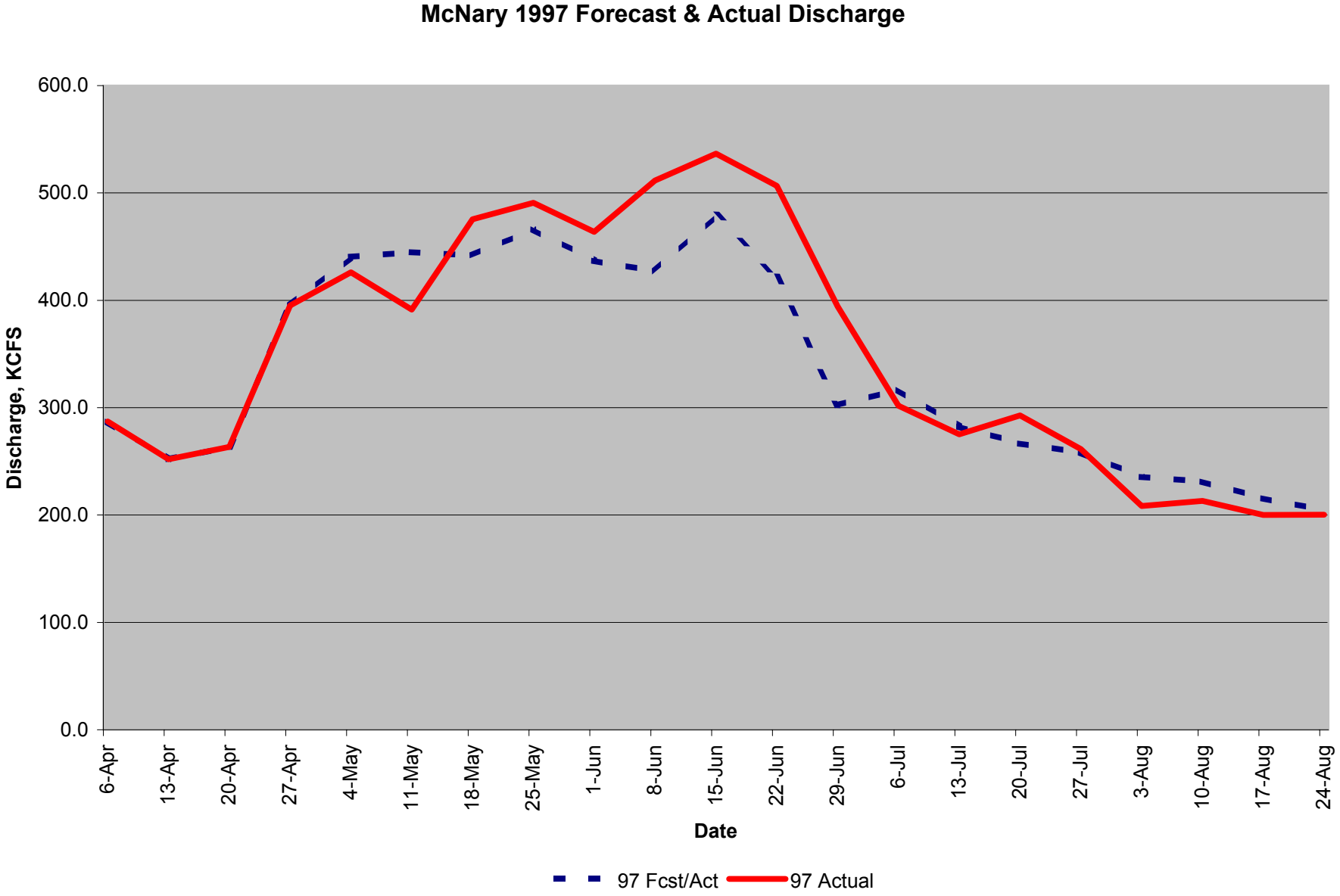
	Best Guess	High	Low
JAN	-825	-541	-1,149
FEB	-1,932	-1,451	-3,914
MAR	-6,368	-5,365	-7,859
APR	-1,559	28	-4,773
MAY	-1,051	2,677	-1,051
JUN	-3,313	-2,516	-5,164
JUL	-4,460	-1,637	-4,338
AUG	-2,322	-4,514	-11,475

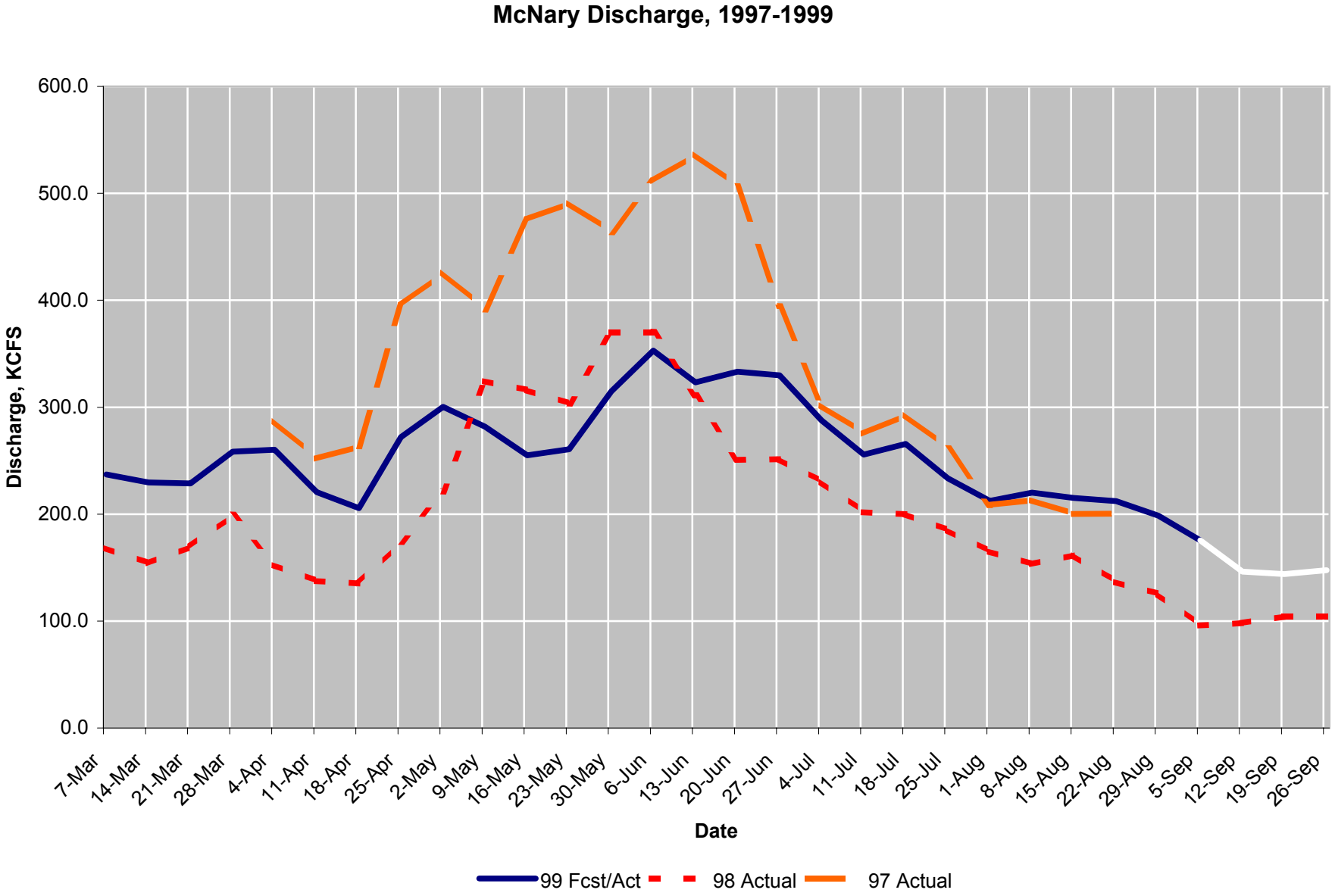
Recent Volume Forecasts
January - July Runoff @ The Dalles



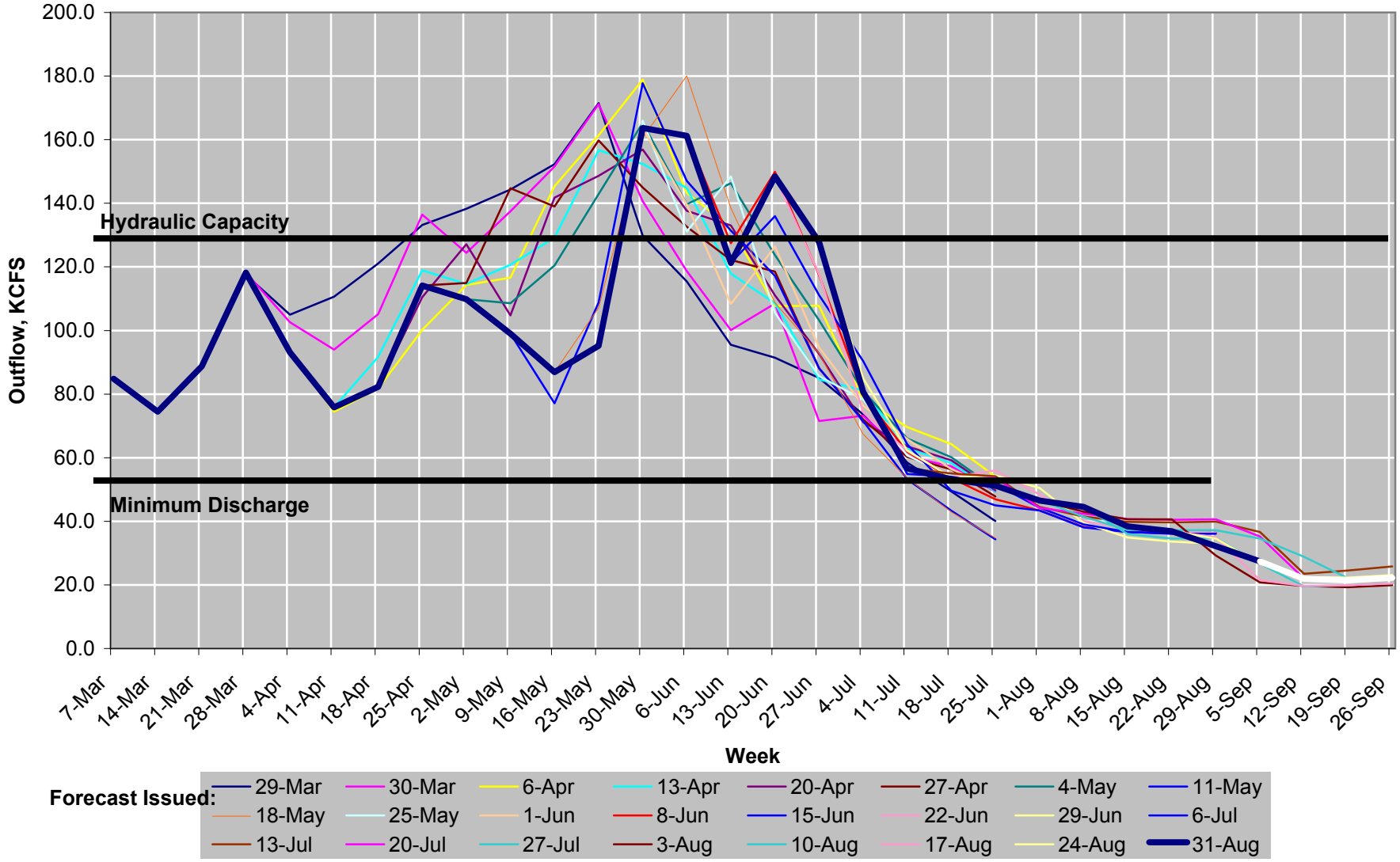

1999 McNary Forecast Divergence
Discharge, KCFS
450.0
400.0
350.0
300.0
250.0
200.0
150.0
100.0
50.0
0.0
Minimum Discharge
7-Mar
14-Mar
21-Mar
28-Mar
4-Apr
11-Apr
18-Apr
25-Apr
2-May
9-May
16-May
23-May
30-May
6-Jun
13-Jun
20-Jun
27-Jun
4-Jul
11-Jul
18-Jul
25-Jul
1-Aug
8-Aug
15-Aug
22-Aug
29-Aug
5-Sep
12-Sep
19-Sep
26-Sep
Date
Forecast Issued:
29-Mar
30-Mar
6-Apr
13-Apr
20-Apr
27-Apr
4-May
11-May
18-May
25-May
1-Jun
8-Jun
15-Jun
22-Jun
29-Jun
6-Jul
13-Jul
20-Jul
27-Jul
3-Aug
10-Aug
17-Aug
24-Aug
31-Aug


1998 April / May Forecast Divergence
600.0
500.0
400.0
300.0
200.0
100.0
0.0
Discharge, KCFS
8-Mar
15-Mar
22-Mar
29-Mar
5-Apr
12-Apr
19-Apr
26-Apr
3-May
10-May
17-May
24-May
31-May
7-Jun
14-Jun
21-Jun
28-Jun
5-Jul
12-Jul
19-Jul
26-Jul
Date
15-Apr
22-Apr
29-Apr
6-May
13-May
Actual

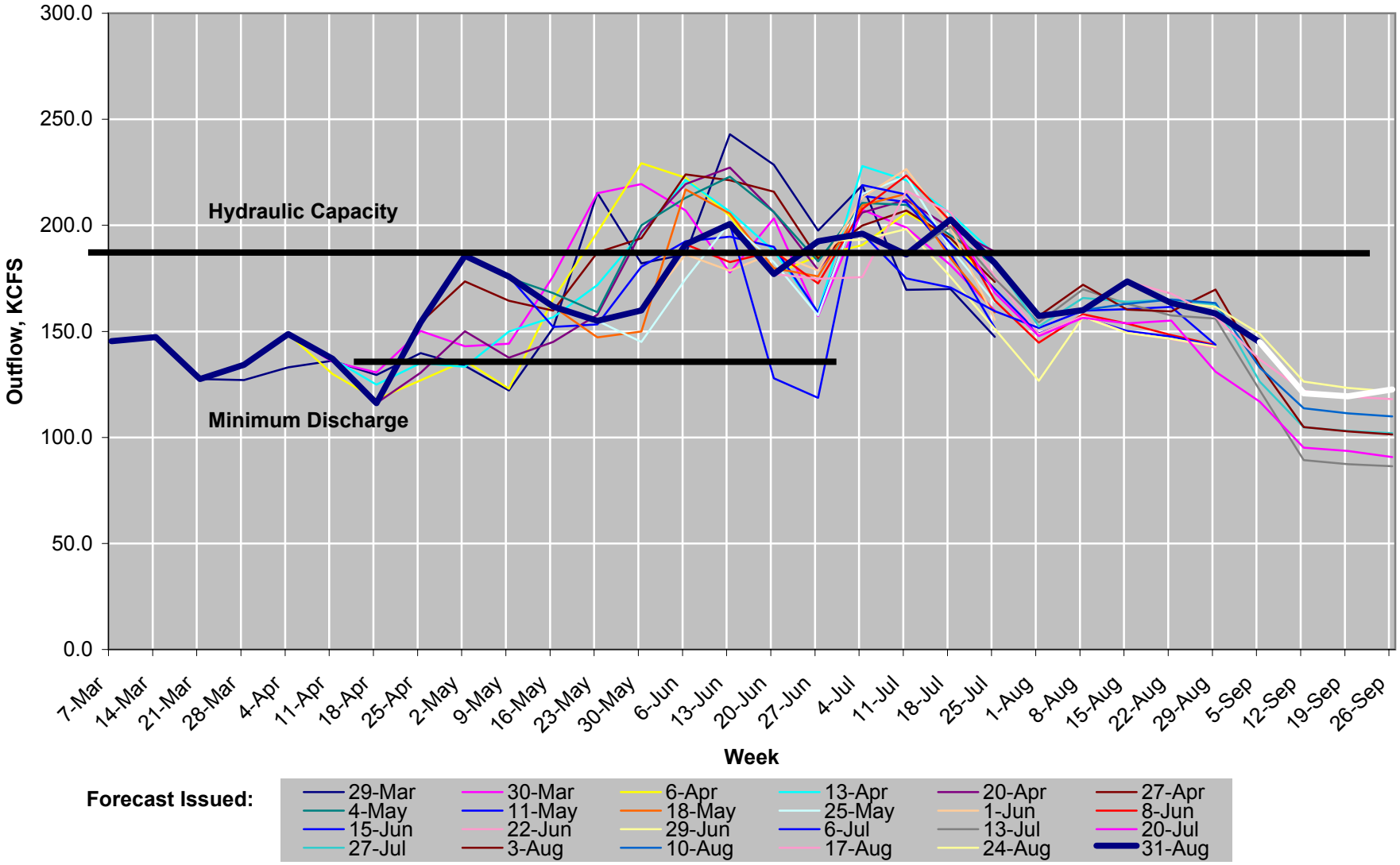

McNary 1997 Forecast & Actual Discharge
600.0
500.0
400.0
300.0
200.0
100.0
0.0
Discharge, KCFS
6-Apr
13-Apr
20-Apr
27-Apr
4-May
11-May
18-May
25-May
1-Jun
8-Jun
15-Jun
22-Jun
29-Jun
6-Jul
13-Jul
20-Jul
27-Jul
3-Aug
10-Aug
17-Aug
24-Aug
Date
97 Fcst/Act
97 Actual

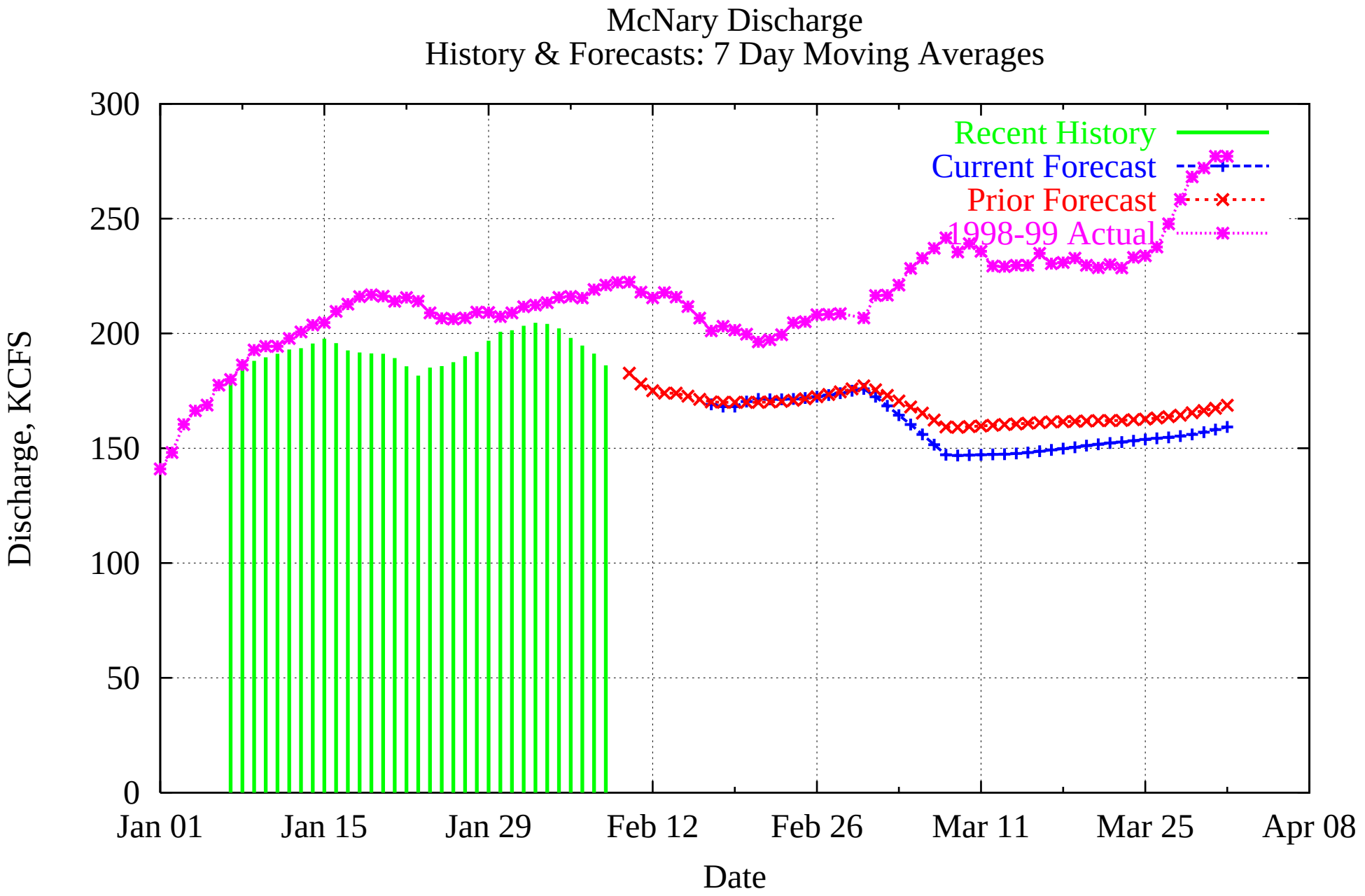

McNary Discharge, 1997-1999
Discharge, KCFS
600.0
500.0
400.0
300.0
200.0
100.0
0.0
7-Mar
14-Mar
21-Mar
28-Mar
4-Apr
11-Apr
18-Apr
25-Apr
2-May
9-May
16-May
23-May
30-May
6-Jun
13-Jun
20-Jun
27-Jun
4-Jul
11-Jul
18-Jul
25-Jul
1-Aug
8-Aug
15-Aug
22-Aug
29-Aug
5-Sep
12-Sep
19-Sep
26-Sep
Date
99 Fcst/Act
98 Actual
97 Actual

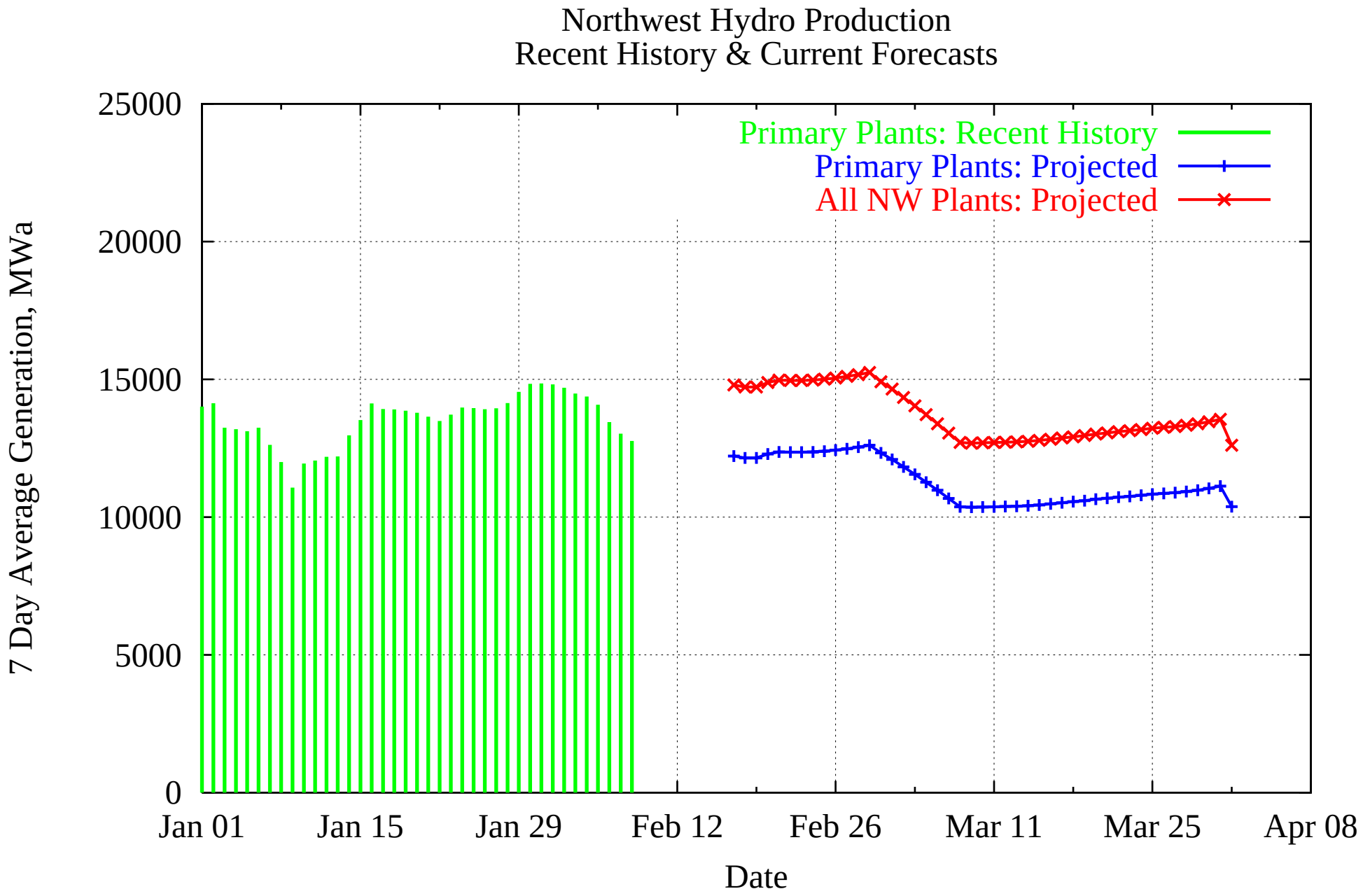
1999 Lower Granite Forecast Discharge

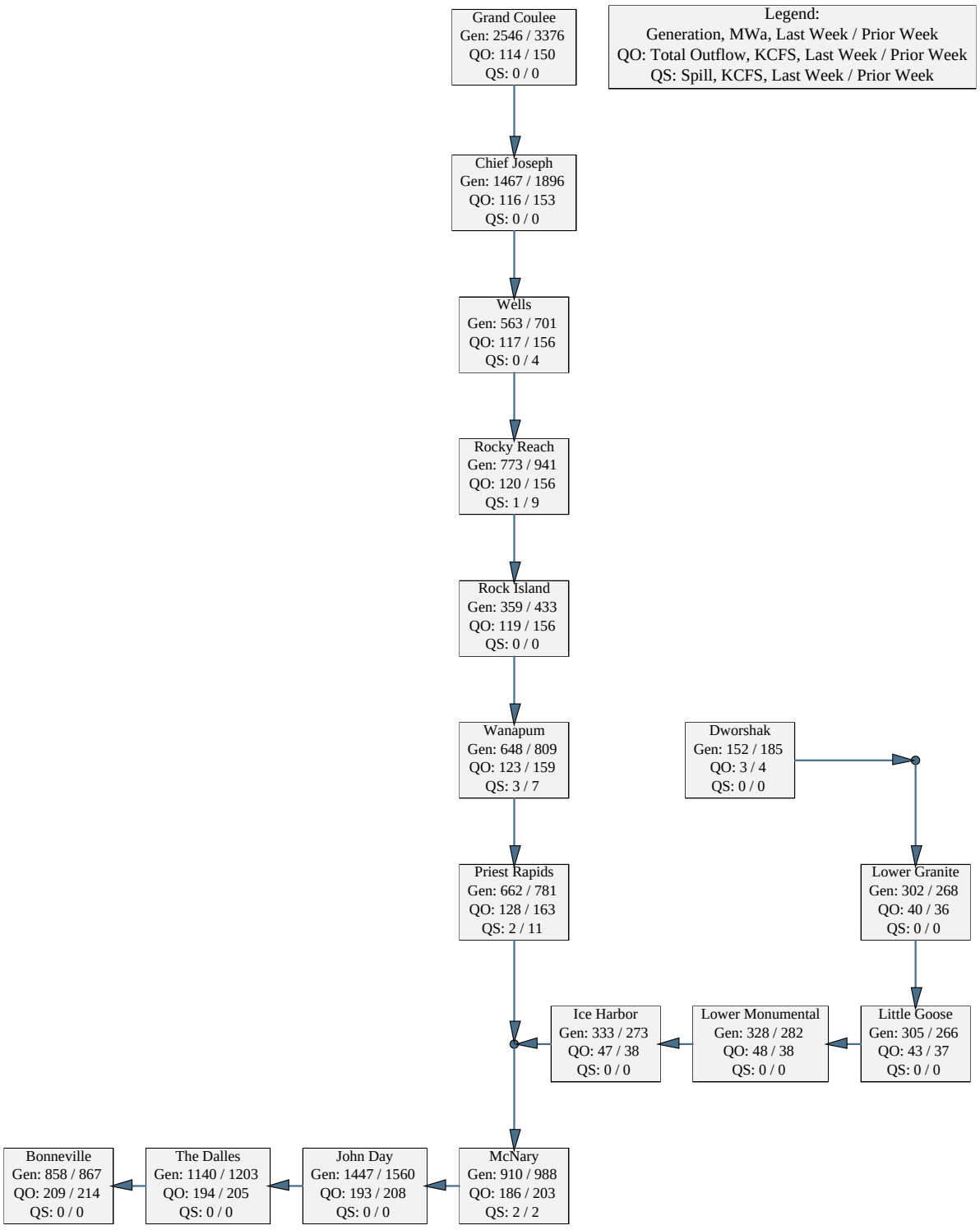


1999 Priest Rapids Forecast Discharge




McNary Discharge
History & Forecasts: 7 Day Moving Averages
Recent History
Current Forecast
Prior Forecast
1998-99 Actual
Discharge, KCFS
300
250
200
150
100
50
0
Jan 01
Jan 15
Jan 29
Feb 12
Feb 26
Mar 11
Mar 25
Apr 08
Date


Northwest Hydro Production
Recent History & Current Forecasts
Primary Plants: Recent History
Primary Plants: Projected
All NW Plants: Projected
7 Day Average Generation, MWa
25000
20000
15000
10000
5000
0
Jan 01
Jan 15
Jan 29
Feb 12
Feb 26
Mar 11
Mar 25
Apr 08
Date



Columbia River and Snake River
Hydroelectric Plant Operations
7 Day Averages
February 10, 2000

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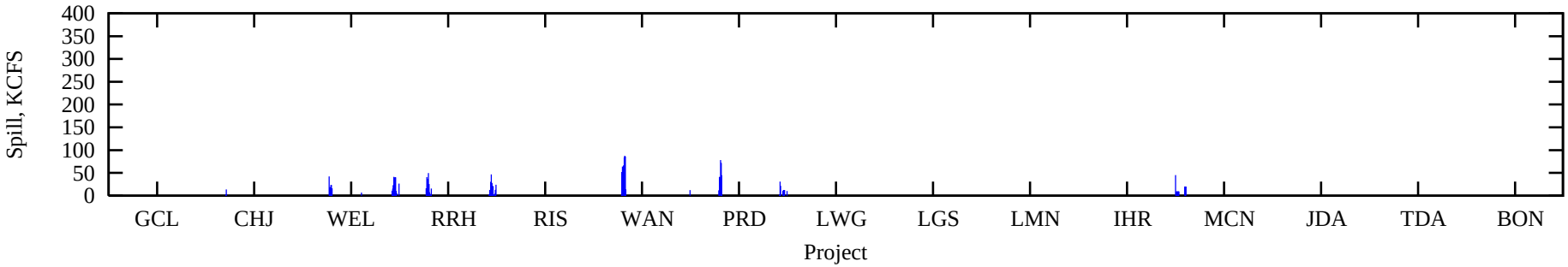
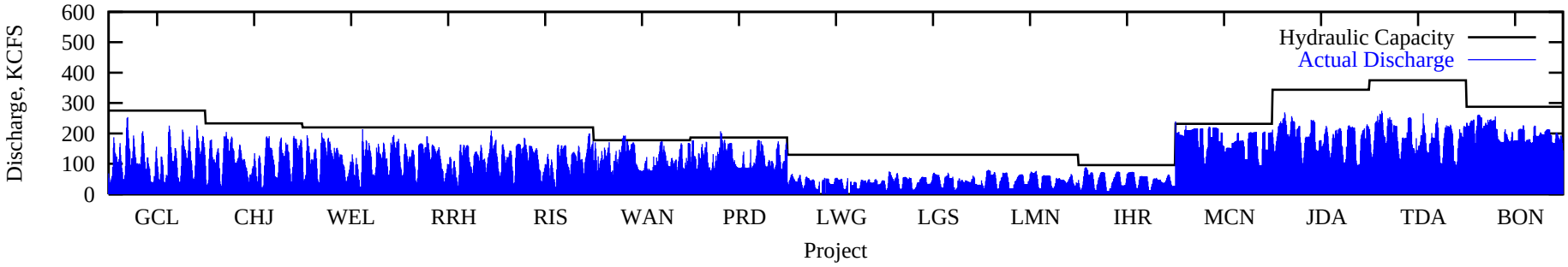
Columbia & Lower Snake River Hourly Operations

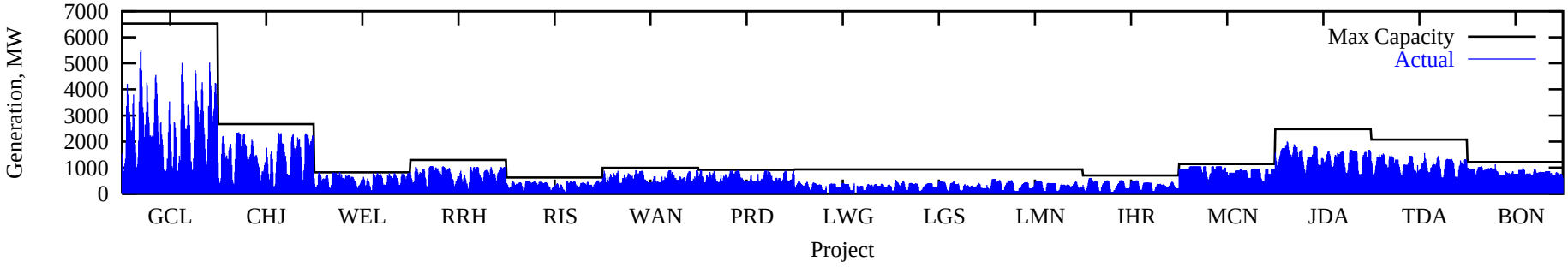
Spill
168 Hours Ending 2200, February 9, 2000



Total Discharge
168 Hours Ending 2200, February 9, 2000



Generation
168 Hours Ending 2200, February 9, 2000



February 10, 2000

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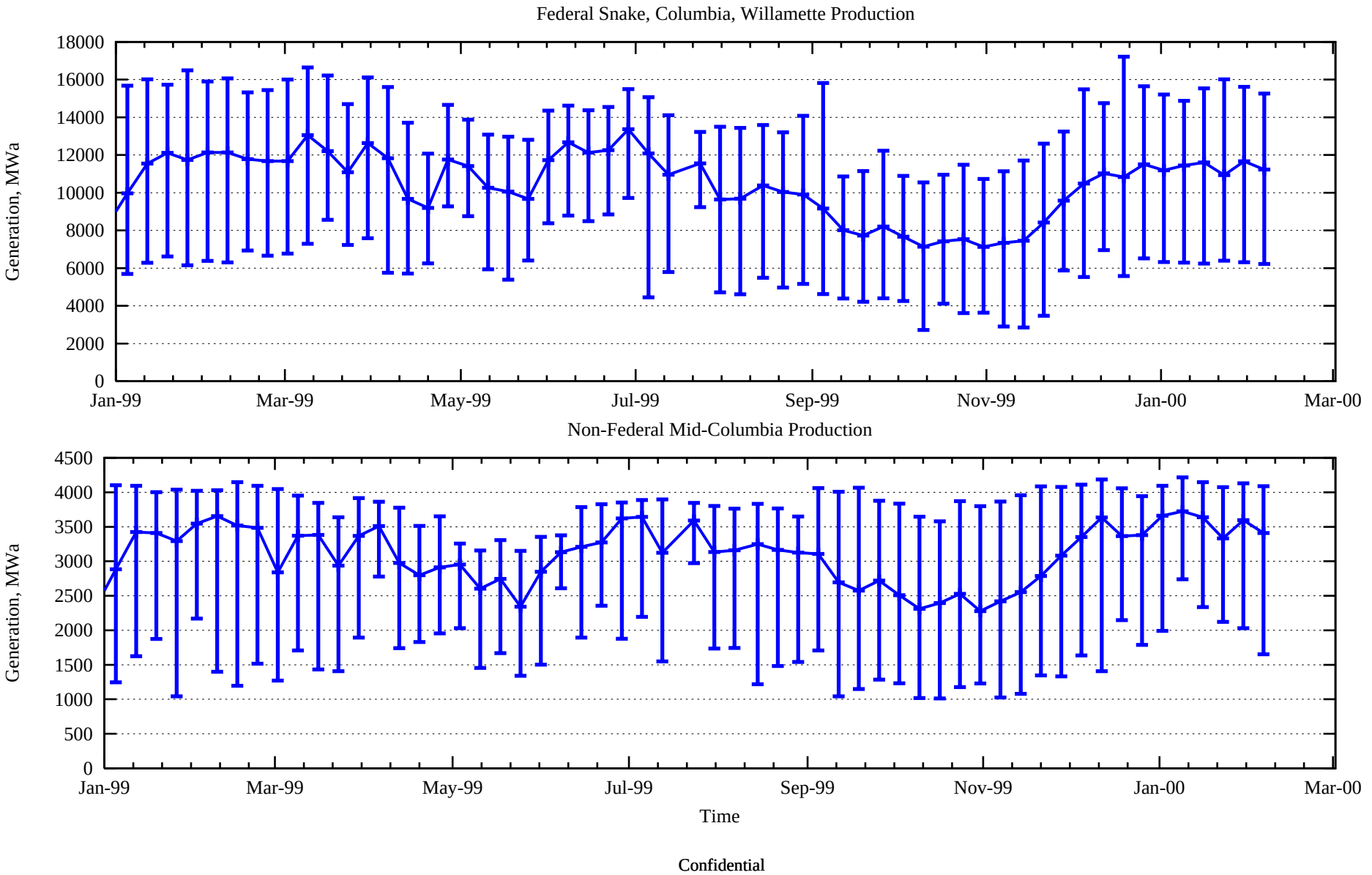
Weekly High / Low / Average Hydro Generation
Last 13 Months



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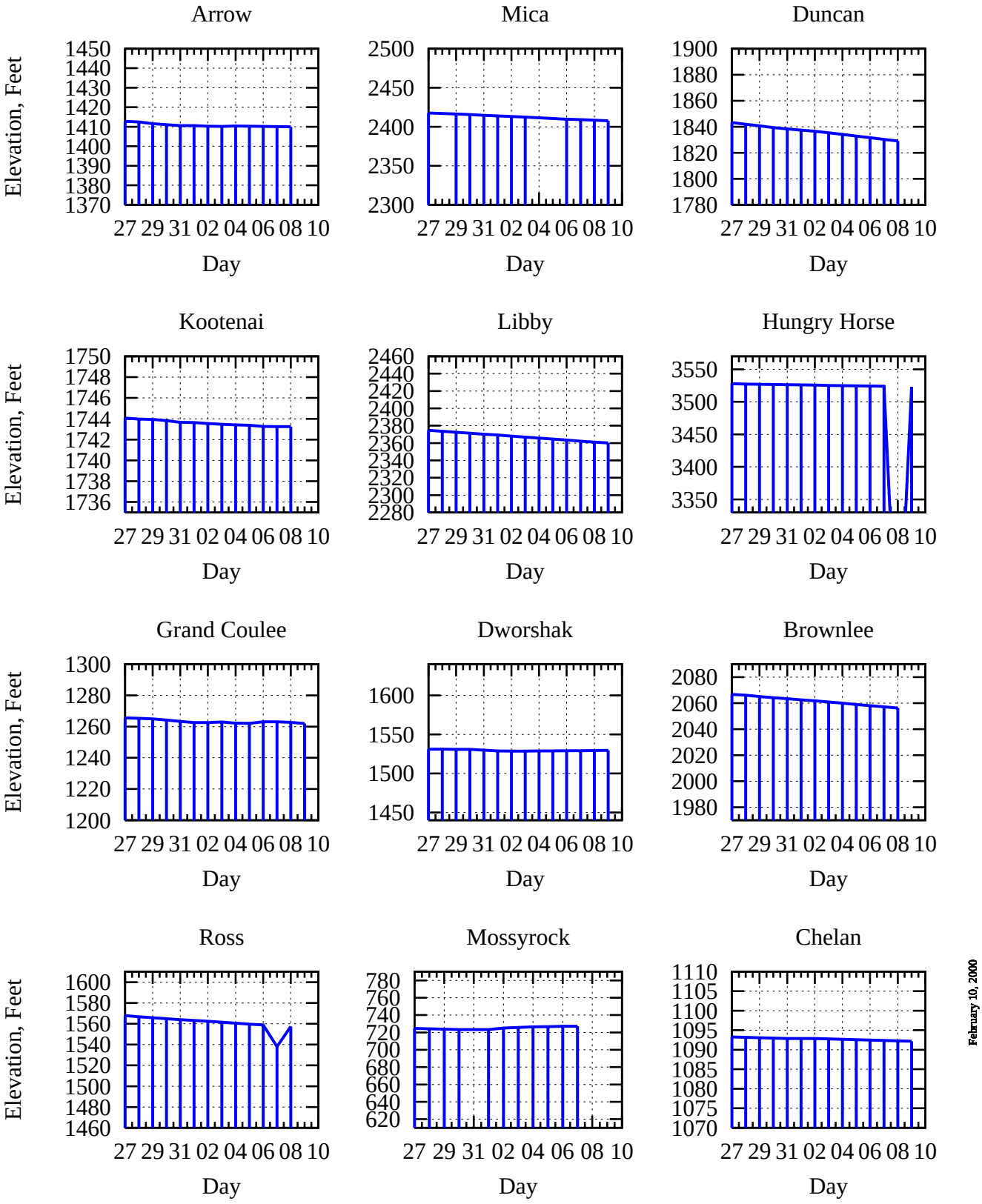
Daily Reservoir Elevation Summary



February 10, 2000

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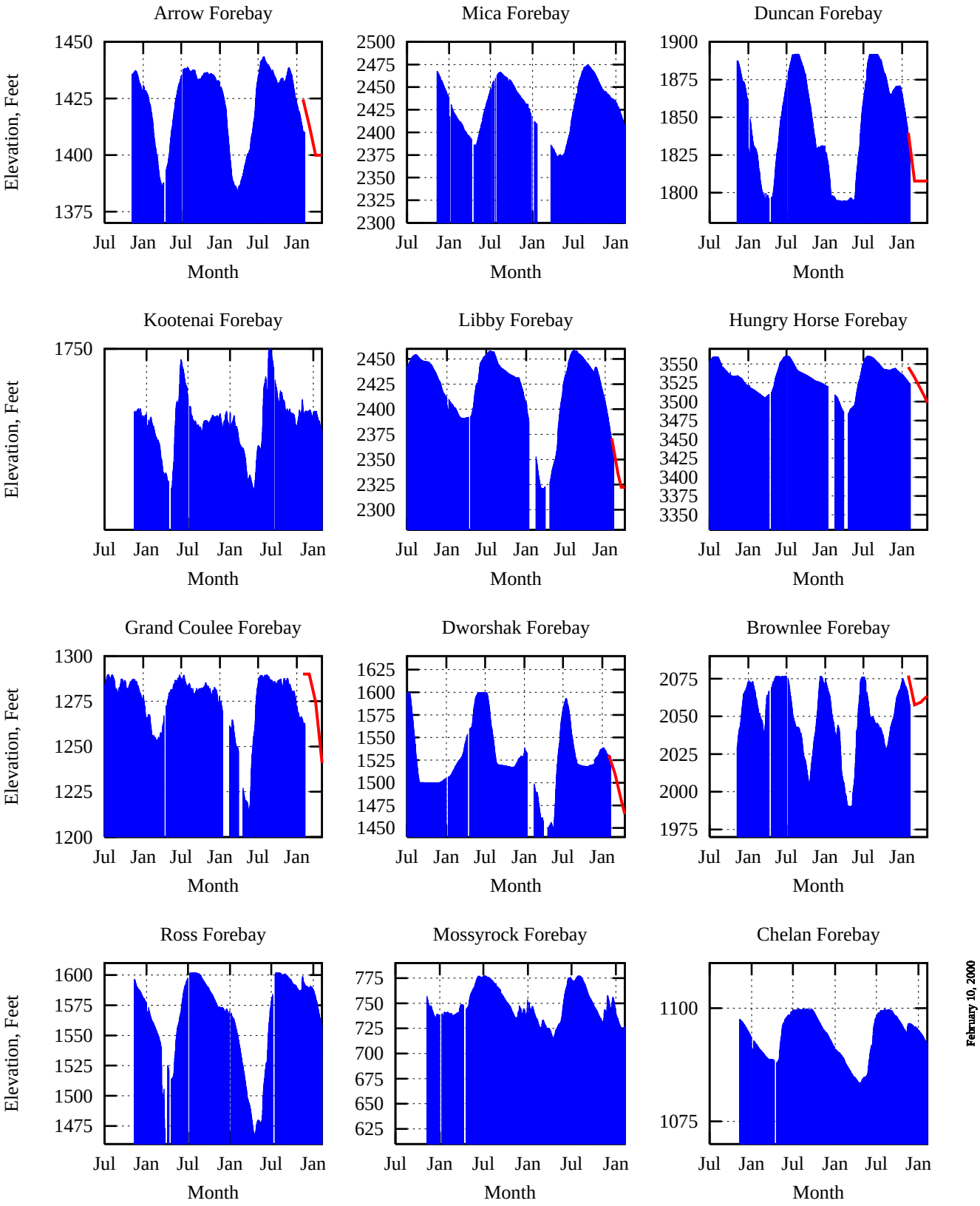
Daily Reservoir Summary
July, 1997 - Present



February 10, 2000

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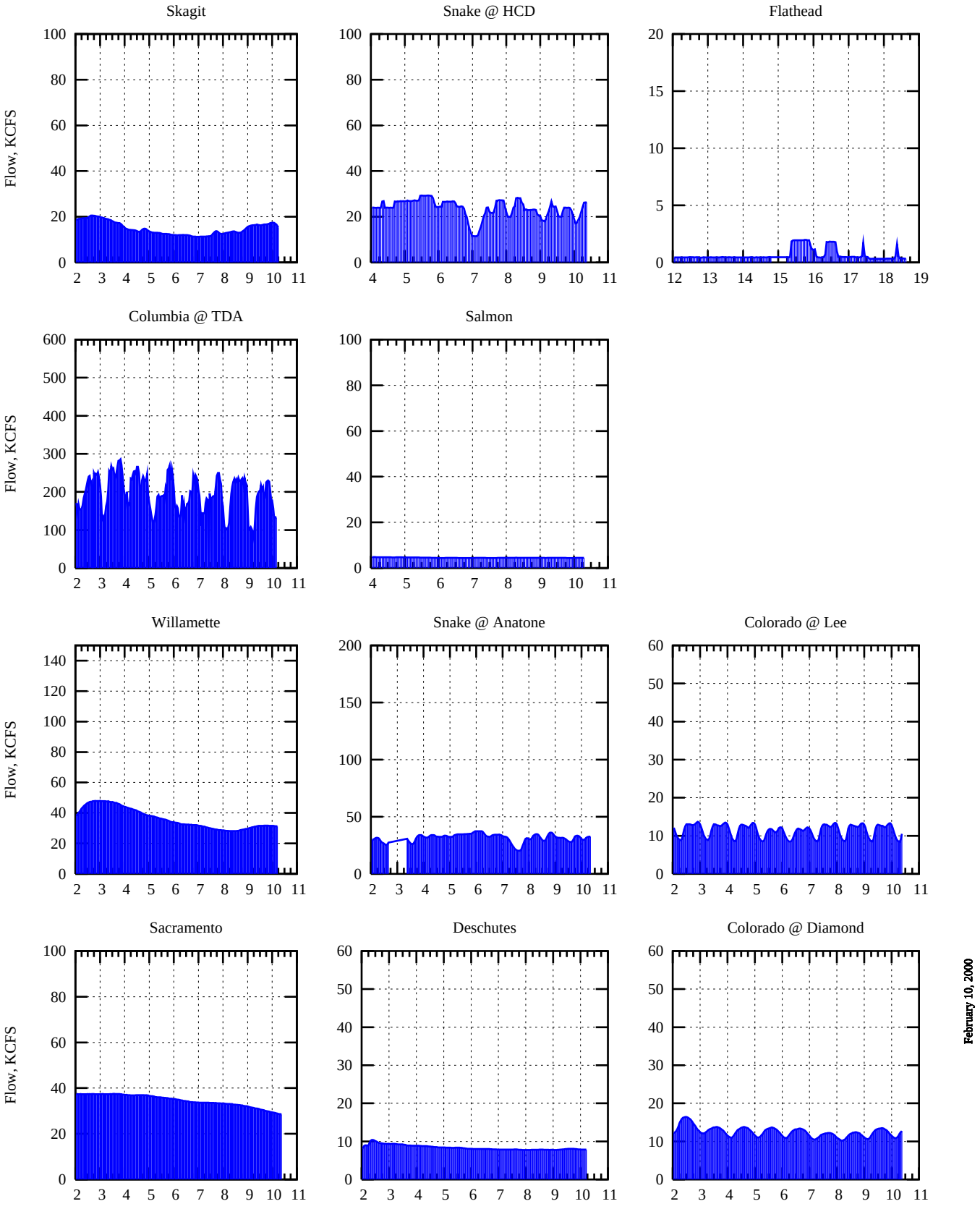
USGS Western Daily River Summary



February 10, 2000

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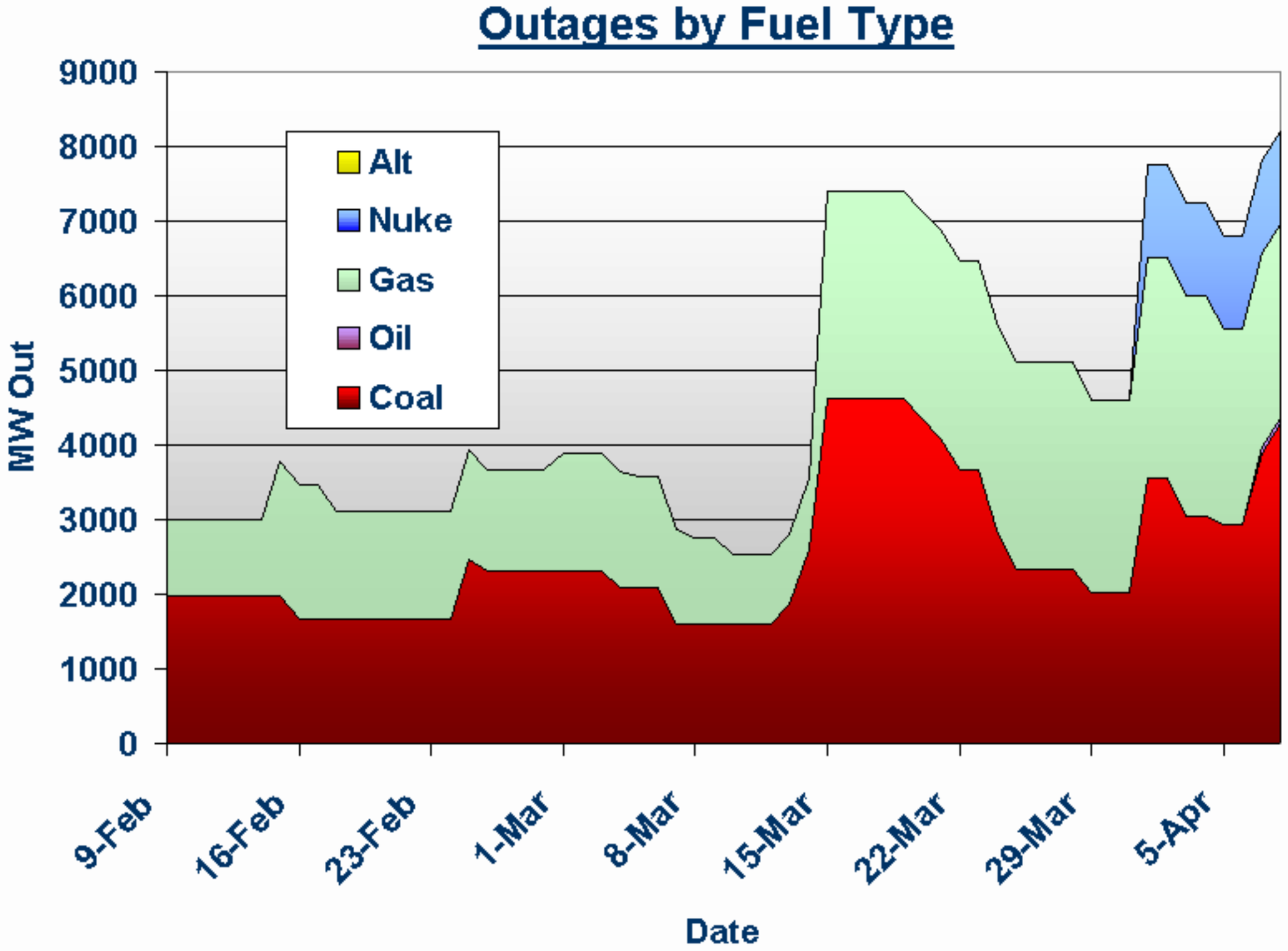
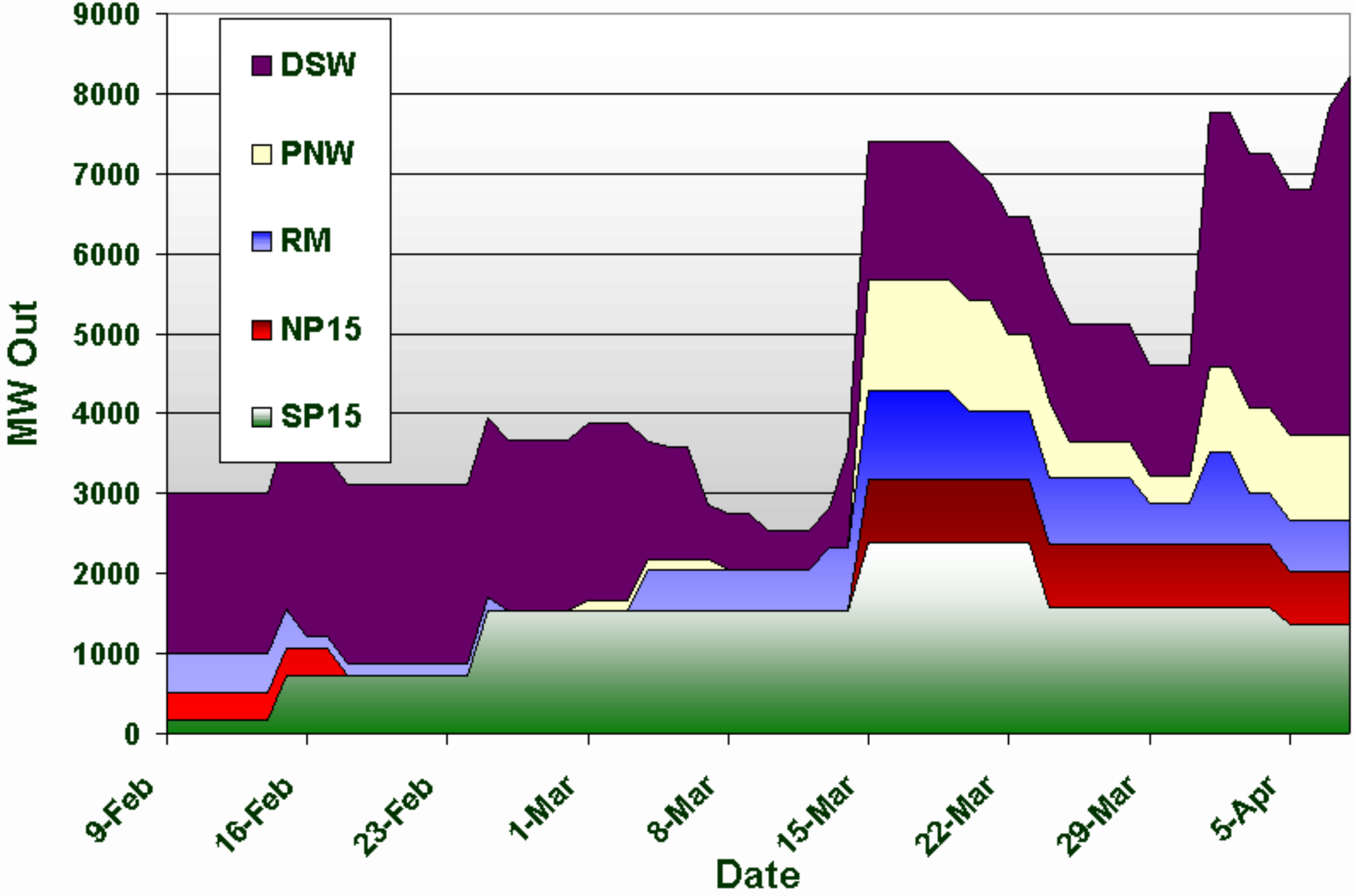
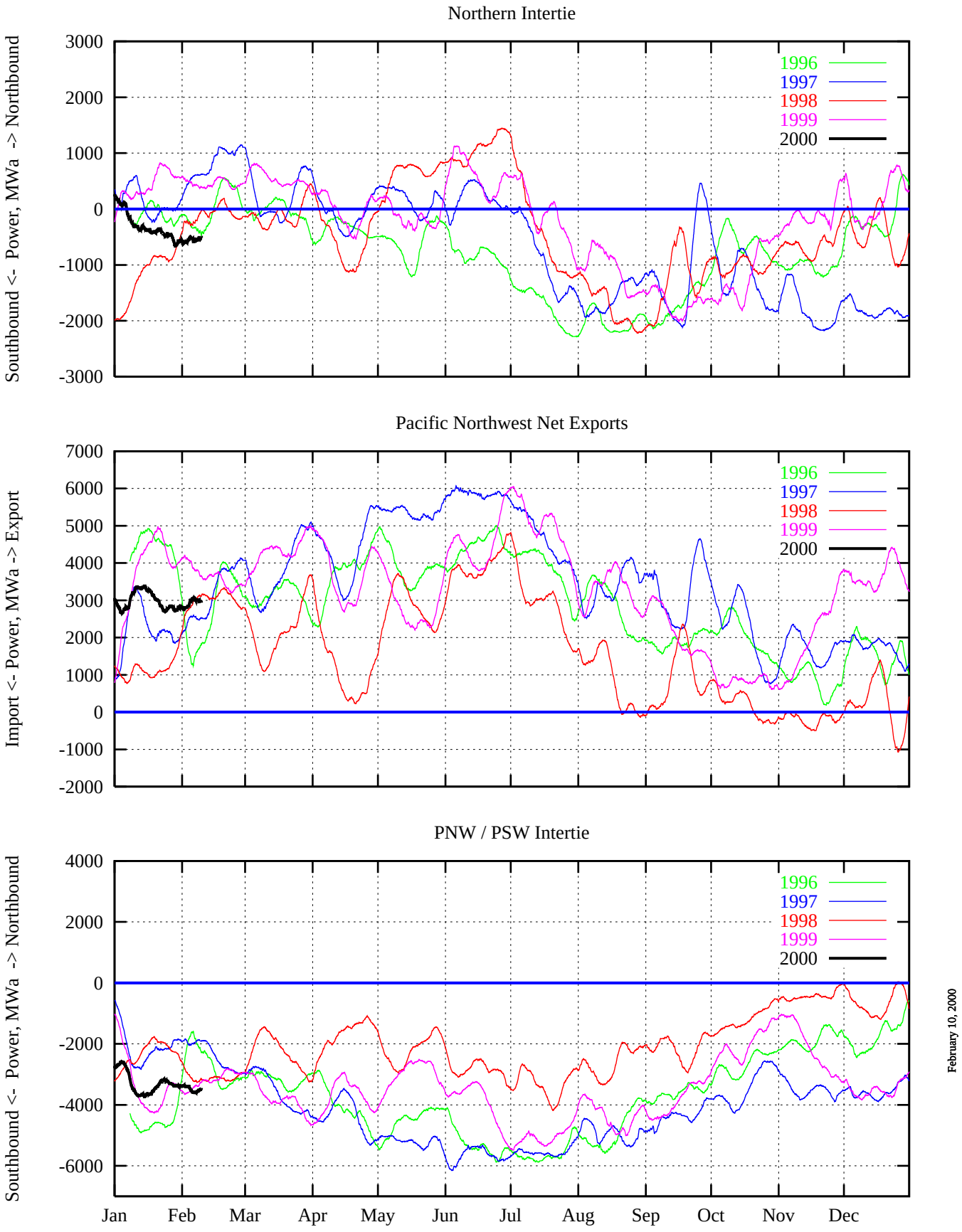

Outages by Fuel Type
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
MW Out
Alt
Nuke
Gas
Oil
Coal
9-Feb
16-Feb
23-Feb
1-Mar
8-Mar
15-Mar
22-Mar
29-Mar
5-Apr
Date

Outages by Region



Pacific Coast Intertie Status



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