



**Water Year 2011
Year in Rear-View**



**Andy Reising
DWR
Snow Surveys**

2011 Water Year Progression: Calvin & Hobbes Style

1. Praying for a good snow year



2. Snow surveying fun and frolic



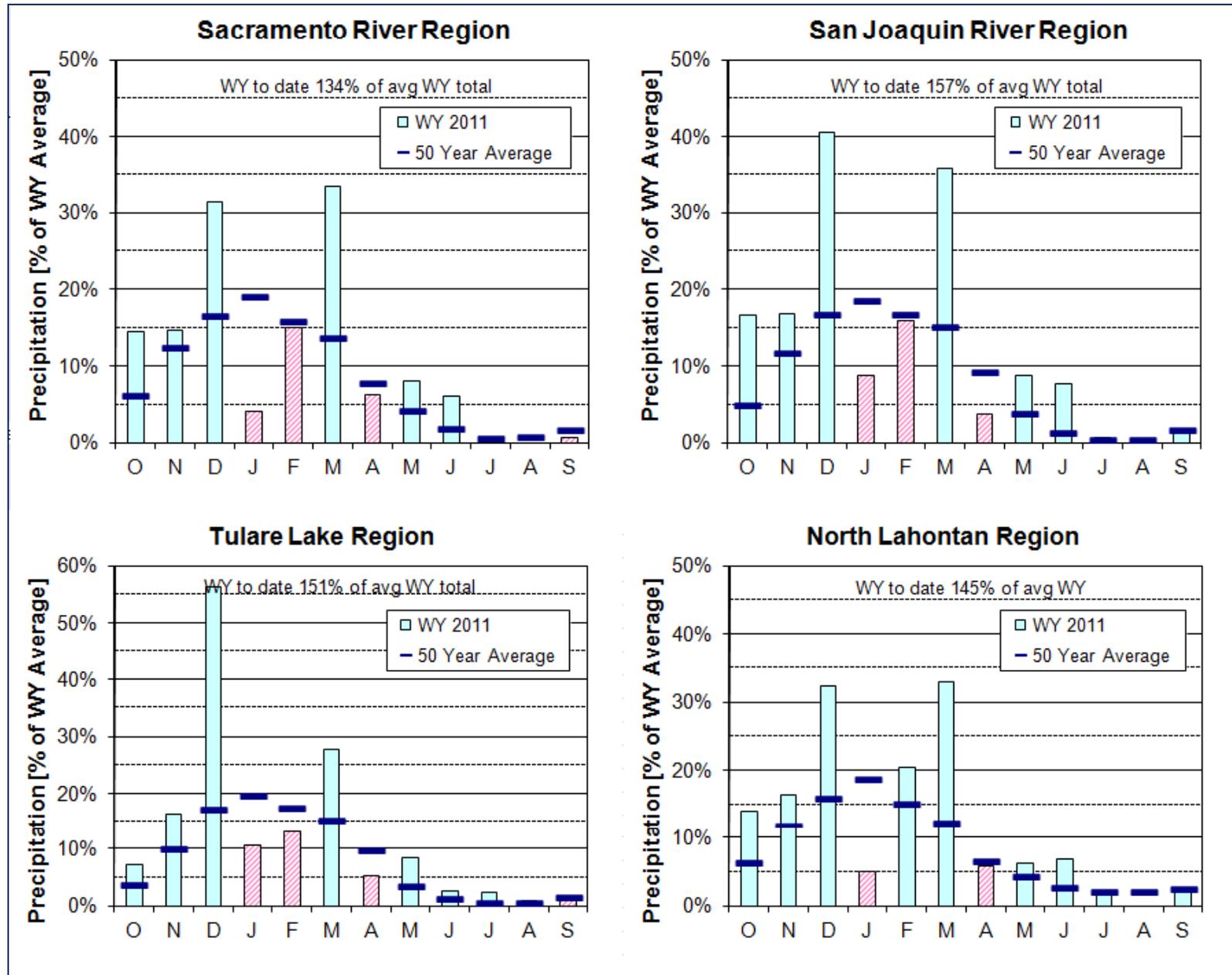
3. Snow melt season kept coming



The Water Was Wet



2011 Water Year Precipitation Summary



2011 8-Station & 5-Station Totals

Northern Sierra 8-Station Precipitation (Inches) Water Year 2011 Friday, September 30, 2011

October Total:	7.5 "	Percent of Monthly October Average:	250%
October Monthly Average:	3.0 "		
November Total:	8.0 "	Percent of Monthly November Average:	127%
November Monthly Average:	6.3 "		
December Total:	16.4 "	Percent of Monthly December Average:	196%
December Monthly Average:	8.4 "		
January Total:	2.1 "	Percent of Monthly January Average:	23%
January Monthly Average:	9.0 "		
February Total:	8.5 "	Percent of Monthly February Average:	106%
February Monthly Average:	8.0 "		
March Total:	18.7 "	Percent of Monthly March Average:	271%
March Monthly Average:	6.9 "		
April Total:	3.2 "	Percent of Monthly April Average:	81%
April Monthly Average:	3.9 "		
May Total:	4.6 "	Percent of Monthly May Average:	219%
May Monthly Average:	2.1 "		
June Total:	3.2 "	Percent of Monthly June Average:	320%
June Monthly Average:	1.0 "		
July Total:	0.1 "	Percent of Monthly July Average:	40%
July Monthly Average:	0.2 "		
August Total:	0.0 "	Percent of Monthly August Average:	0%
August Monthly Average:	0.3 "		
September Total:	0.5 "	Percent of Monthly September Average:	56%
September Monthly Average:	0.9 "		

Total precipitation since 0800 PST Monday 09/26/2011: 0.0"

(Monthly totals may not add up to seasonal total because of rounding)

Seasonal Total to Date:	72.7 "	Percent of Seasonal Average to Date:	145%
Seasonal Average to Date:	50.0 "		

Water Year Average	50.0 "	Percent of an Average Water Year:	145%
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Notes:

Last year seasonal total:	53.6 "		
	107 %		
Last year Aug 2010 total:	0.1 "	Last year Sep 2010 total:	0.3 "
	33 %		33 %

San Joaquin 5-Station Precipitation (inches) Water Year 2011 Friday, September 30, 2011

October Total:	7.4 "	Percent of Monthly October Average:	370%
October Monthly Average:	2.0 "		
November Total:	7.0 "	Percent of Monthly November Average:	149%
November Monthly Average:	4.7 "		
December Total:	17.3 "	Percent of Monthly December Average:	279%
December Monthly Average:	6.2 "		
January Total:	3.3 "	Percent of Monthly January Average:	43%
January Monthly Average:	7.6 "		
February Total:	6.9 "	Percent of Monthly February Average:	100%
February Monthly Average:	6.9 "		
March Total:	14.1 "	Percent of Monthly March Average:	231%
March Monthly Average:	6.1 "		
April Total:	1.7 "	Percent of Monthly April Average:	49%
April Monthly Average:	3.5 "		
May Total:	3.6 "	Percent of Monthly May Average:	200%
May Monthly Average:	1.8 "		
June Total:	2.8 "	Percent of Monthly June Average:	467%
June Monthly Average:	0.6 "		
July Total:	0.0 "	Percent of Monthly July Average:	0%
July Monthly Average:	0.3 "		
August Total:	0.0 "	Percent of Monthly August Average:	0%
August Monthly Average:	0.2 "		
September Total:	0.9 "	Percent of Monthly September Average:	113%
September Monthly Average:	0.8 "		

Total precipitation since 0000 PST Monday 09/29/2011: 0.0"

(Monthly totals may not add up to seasonal total because of rounding)

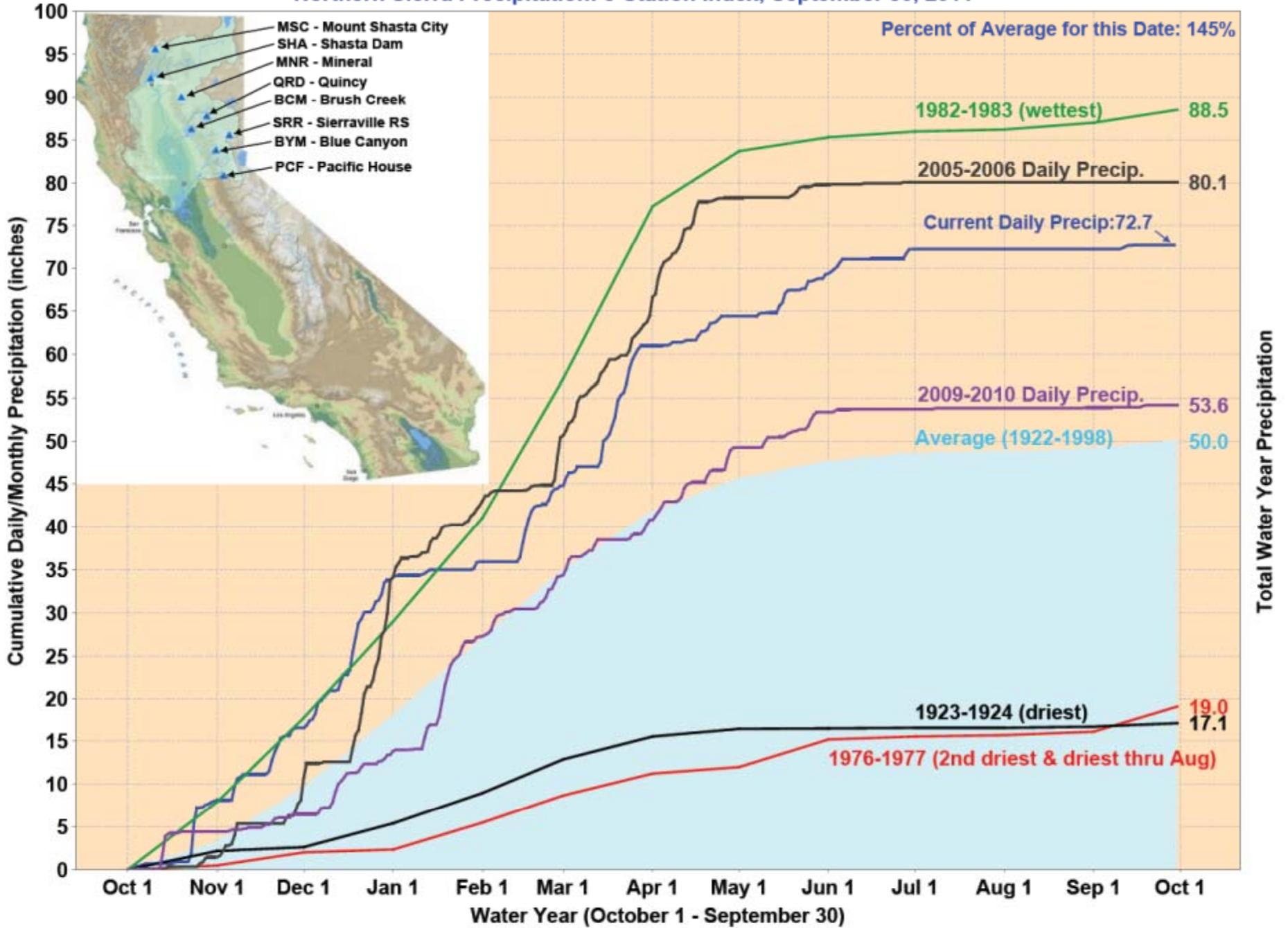
Seasonal Total to Date:	65.0 "	Percent of Seasonal Average to Date:	159%
Seasonal Average to Date:	40.8 "		

Water Year Average	40.8 "	Percent of an Average Water Year:	159%
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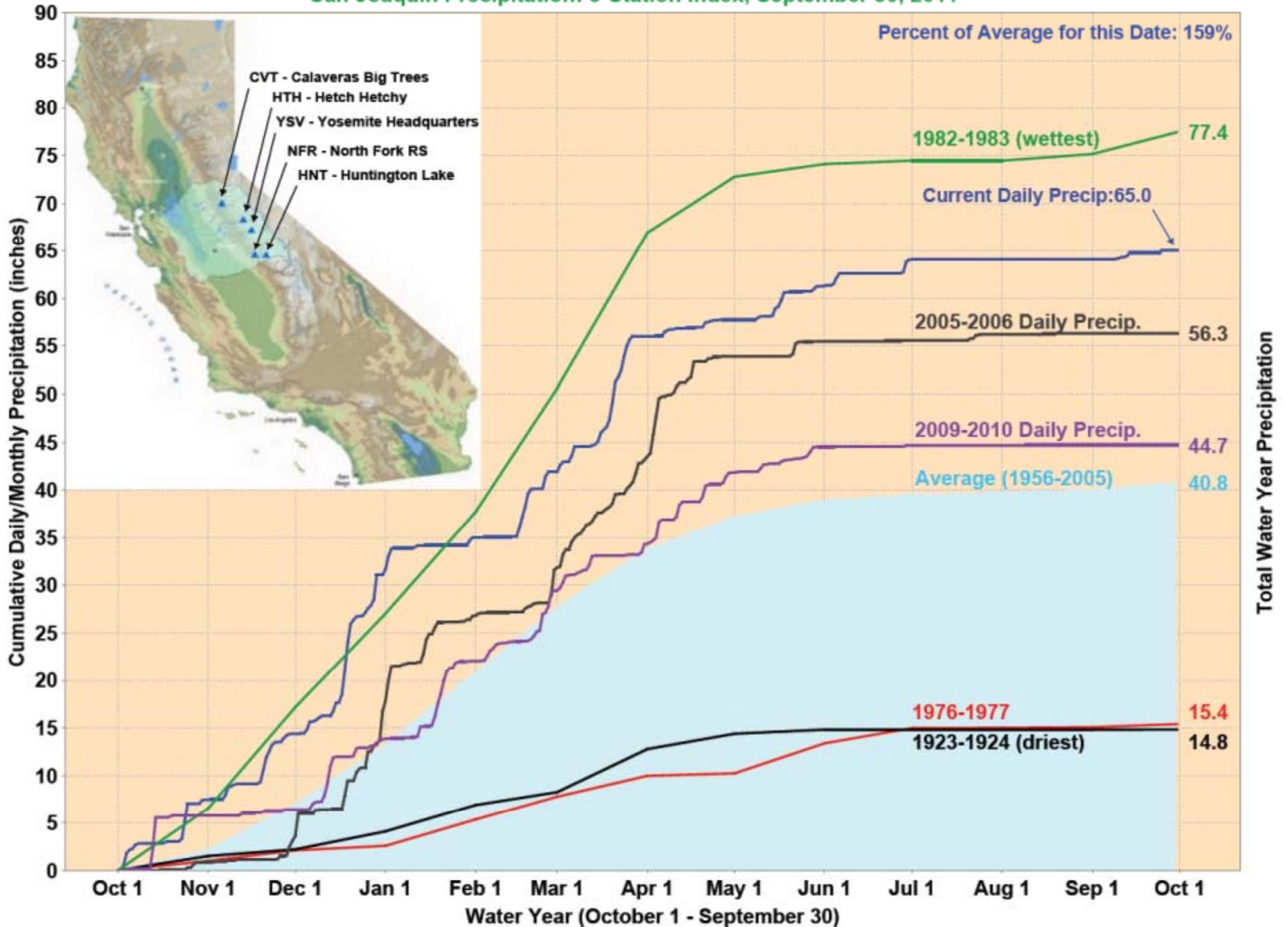
Notes:

Last year seasonal total:	44.7 "		
	110 %		
Last year Aug 2010 total:	0.0 "	Last year Sep 2010 total:	0.0 "
	0 %		0 %

Northern Sierra Precipitation: 8-Station Index, September 30, 2011



San Joaquin Precipitation: 5-Station Index, September 30, 2011

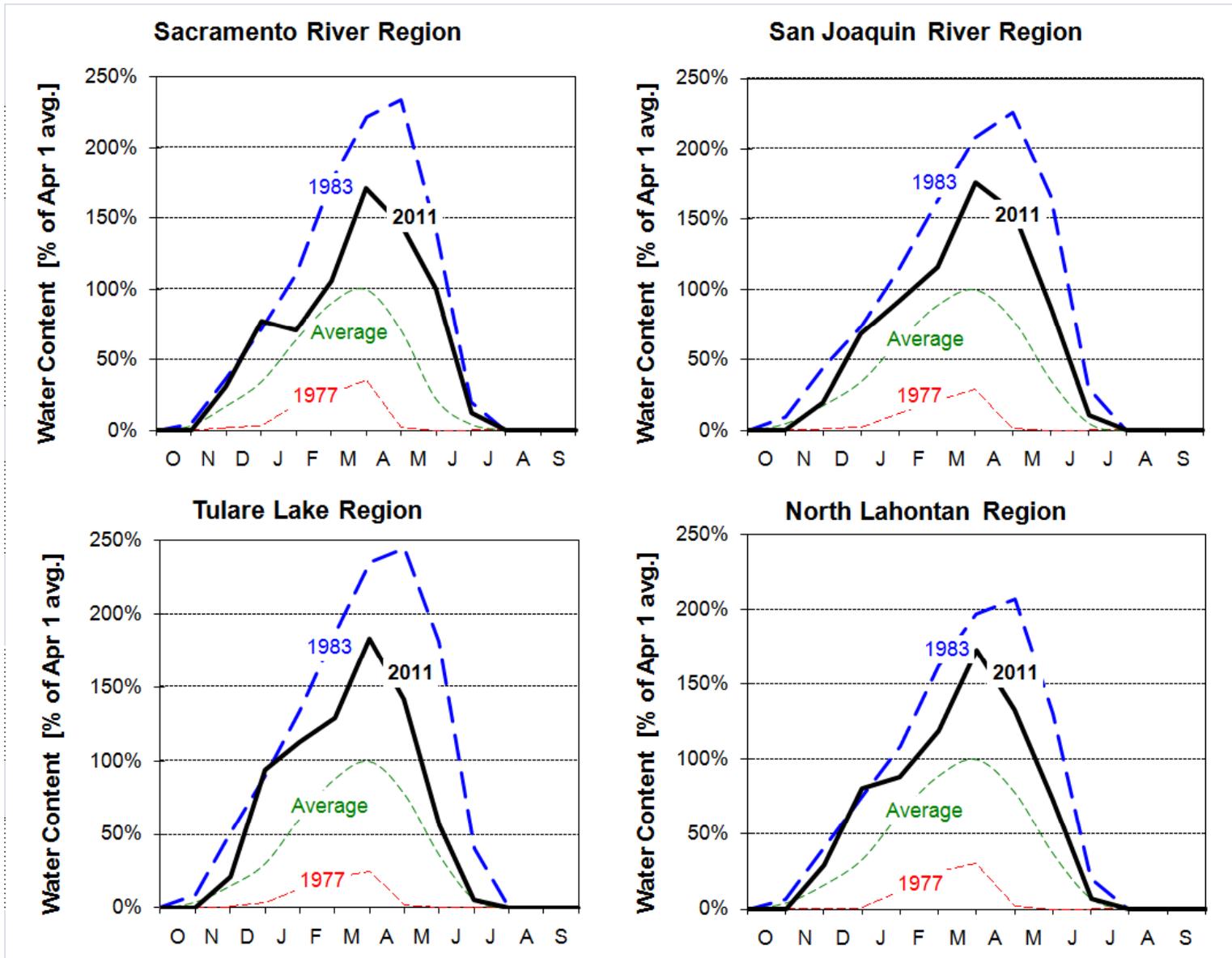


The Snow Was Deep

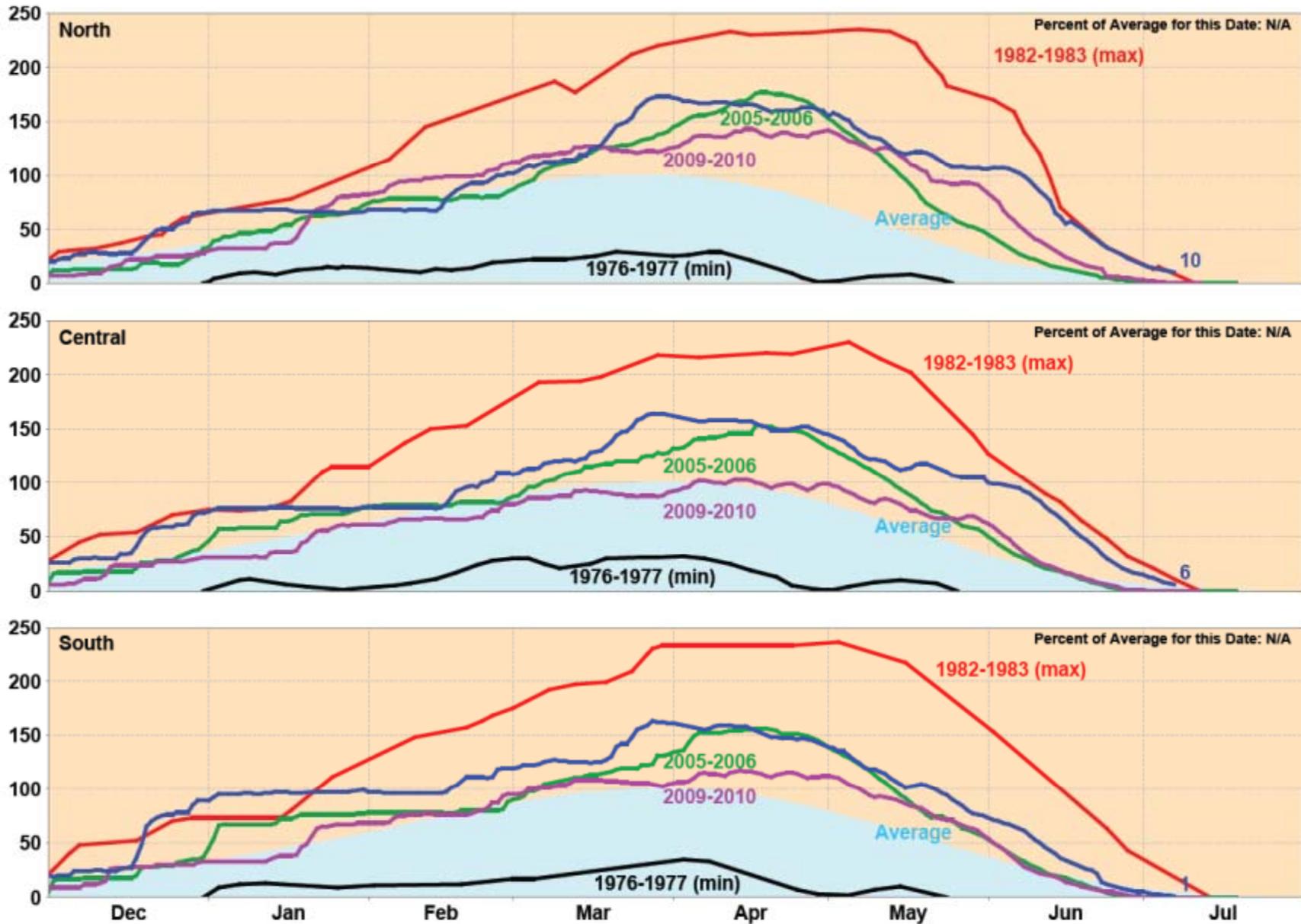
390



2011 Snowpack Summary by Area



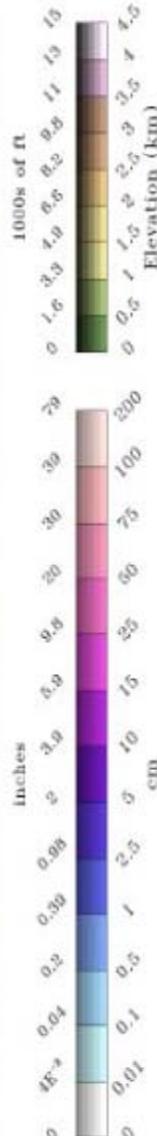
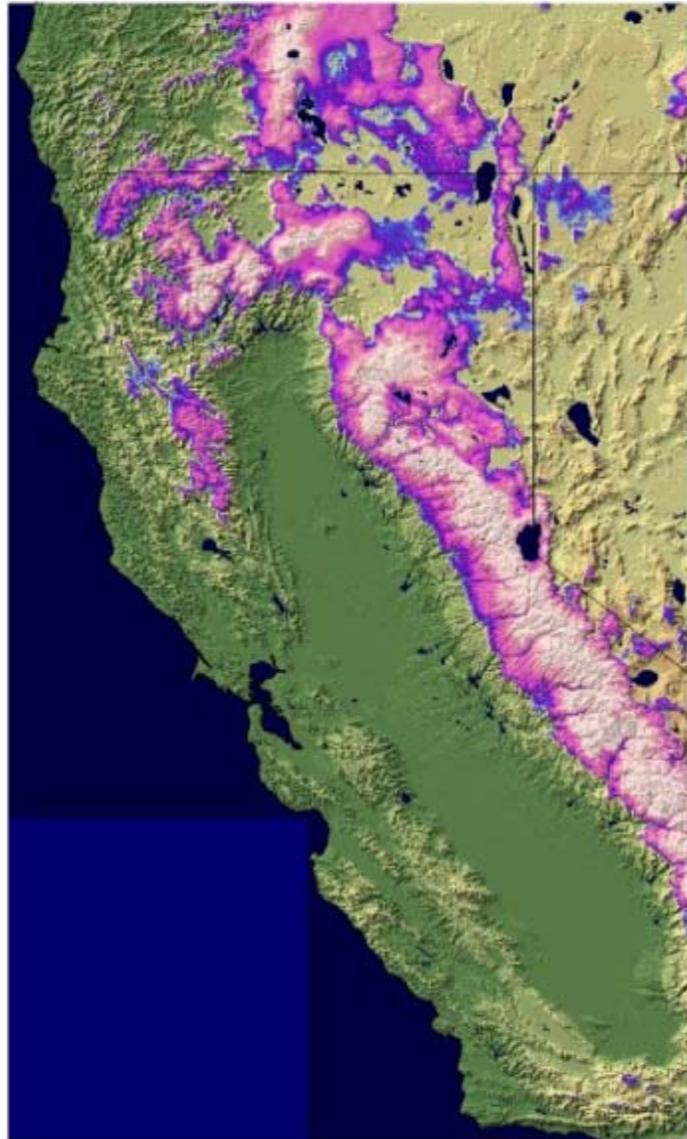
2011 SWC - Percent of April 1 Average



SWC Satellite Images from NOAA

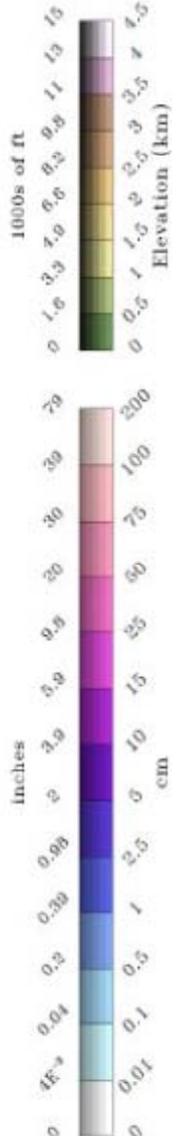
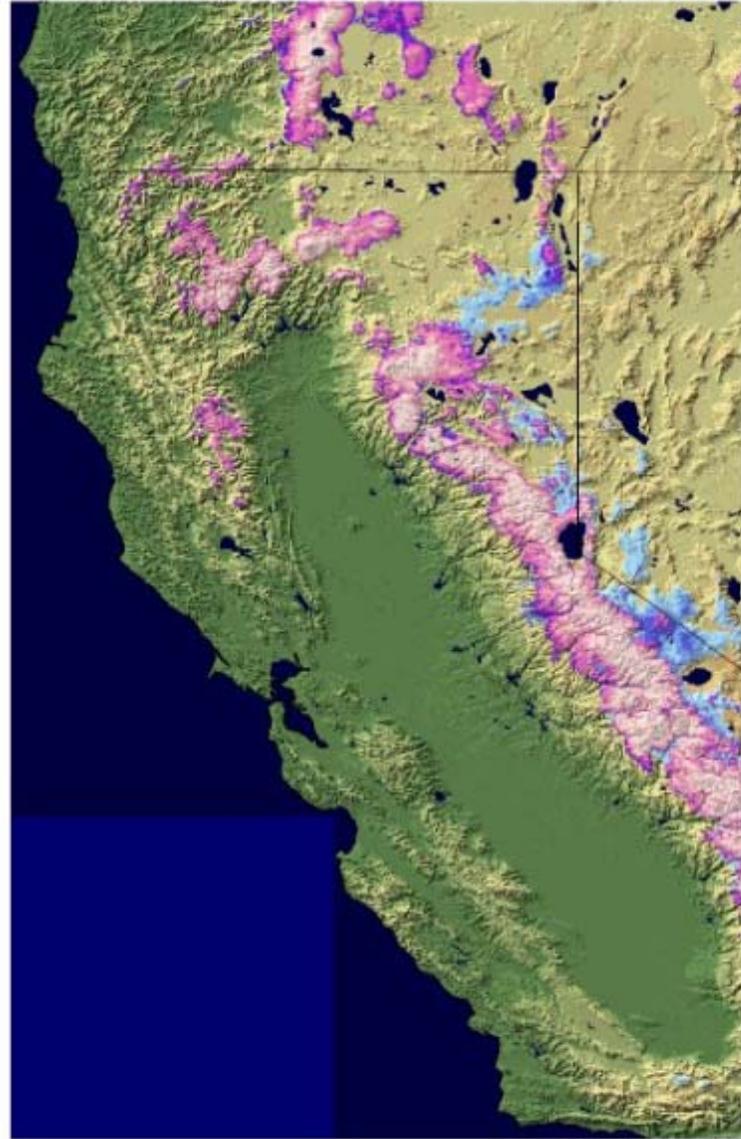
Snow Water Equivalent

2011-04-01 06

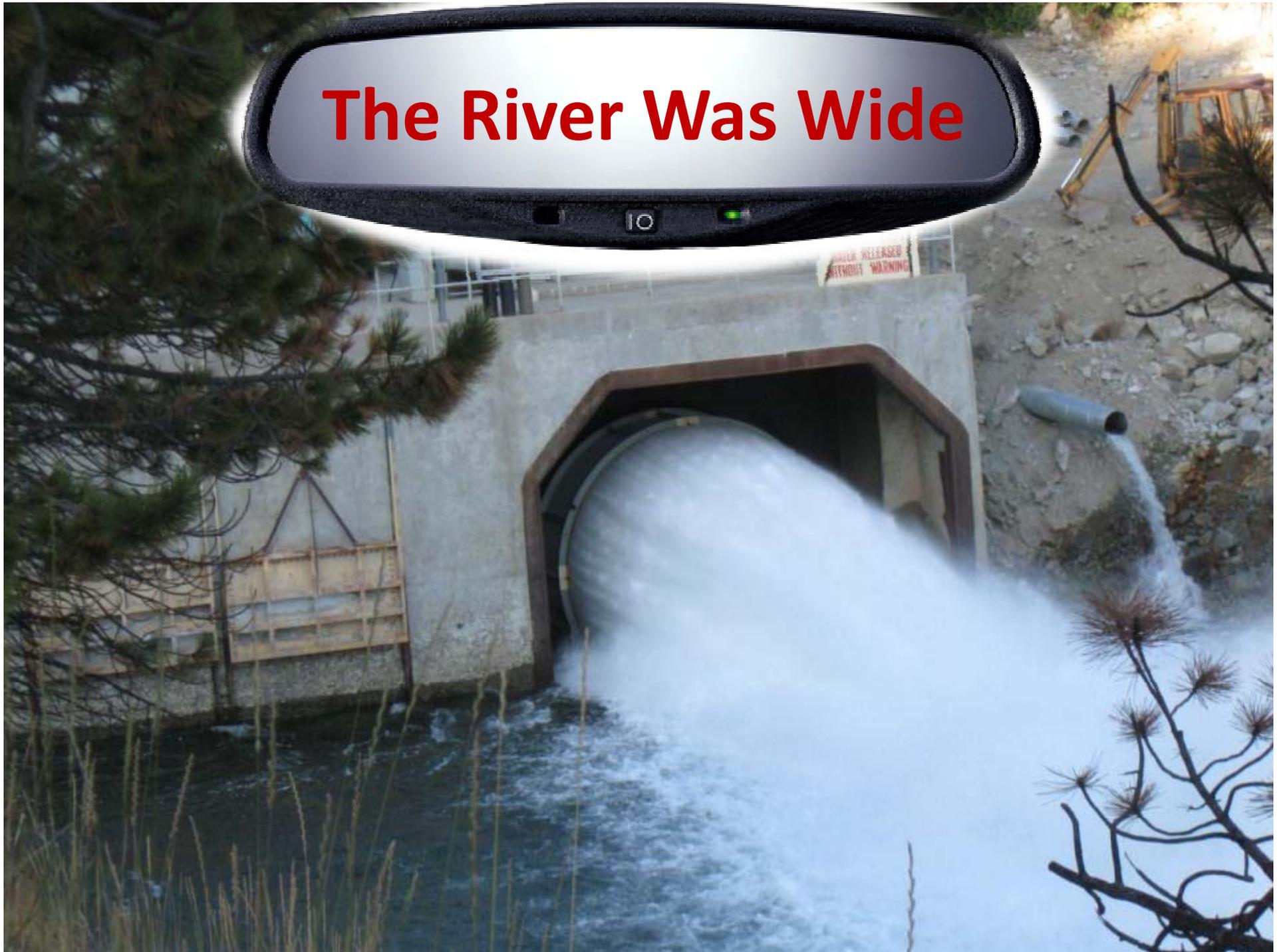


Snow Water Equivalent

2011-05-10 06

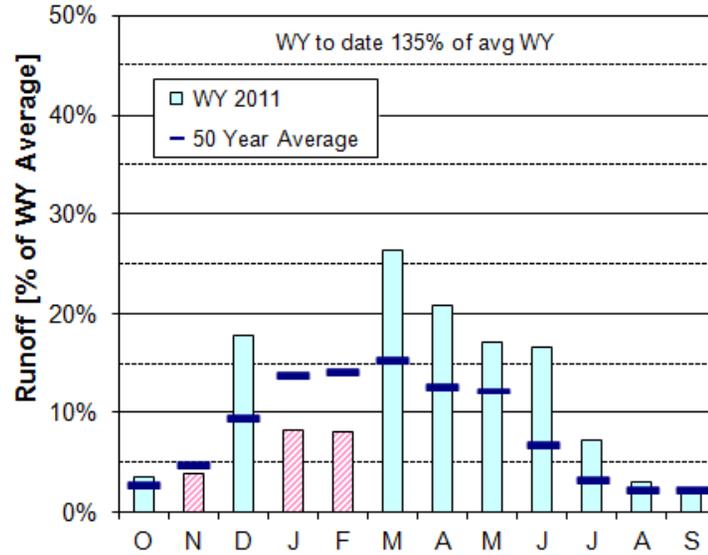


The River Was Wide

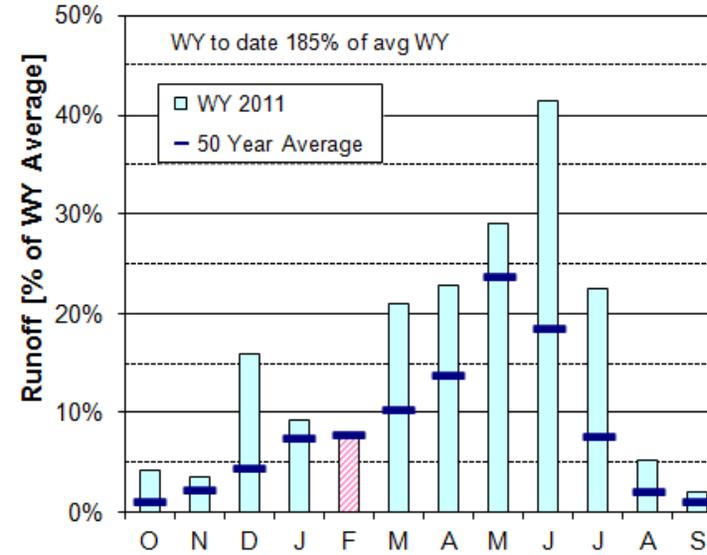


2011 Water Year Unimpaired Runoff Summary

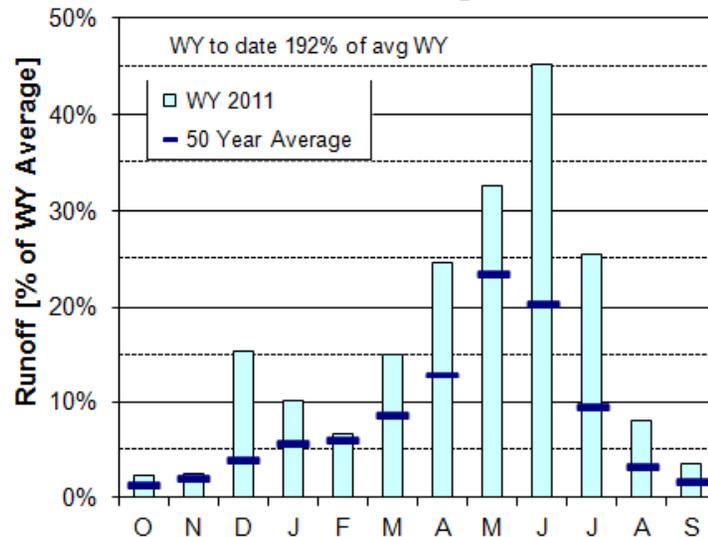
Sacramento River Region



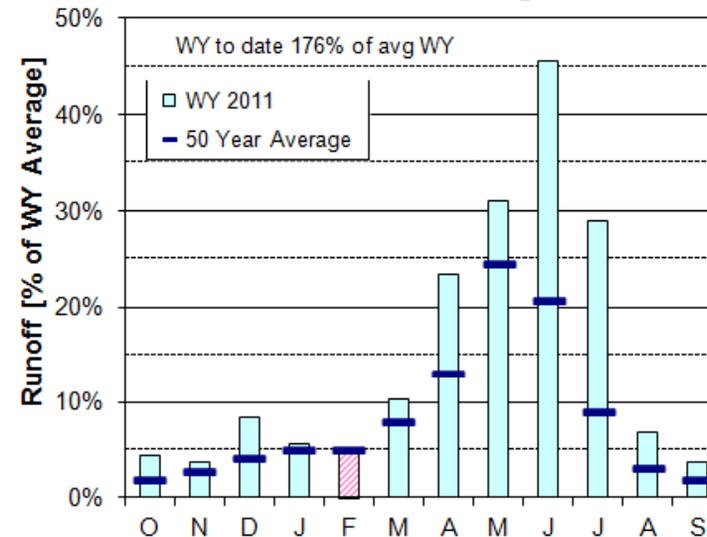
San Joaquin River Region



Tulare Lake Region



North Lahontan Region



2011 Water Year Unimpaired Runoff Totals

RIVER BASIN	FNF in TAF	% OF AVERAGE
TRINITY	1,883	137
SACRAMENTO AT DELTA	1,161	133
MCCLLOUD	1,464	122
PIT	3,206	104 LO
SHASTA LAKE TOTAL INFLOW	6,715	112
SACRAMENTO ABOVE BEND BRIDGE	9,934	114
FEATHER	6,579	145
YUBA	3,822	164
AMERICAN	4,795	179
COSUMNES	785	204 HI
MOKELUMNE	1,416	189
STANISLAUS	2,260	194
TUOLUMNE	3,526	181
MERCED	1,929	192
SAN JOAQUIN	3,305	180
KINGS	3,320	192
KAWEAH	864	189
TULE	277	188
KERN	1,395	190
TRUCKEE	742	183
WEST FK CARSON	122	164
EAST FK CARSON	446	168
WEST WALKER	366	186
EAST WALKER	199	174
OWENS	211	146

The Reservoirs Were Full



Reservoir Conditions July 31 & Now

