CBRFC March 11 2014 Peak Flow Forecast Webinar

Presentation are available at:

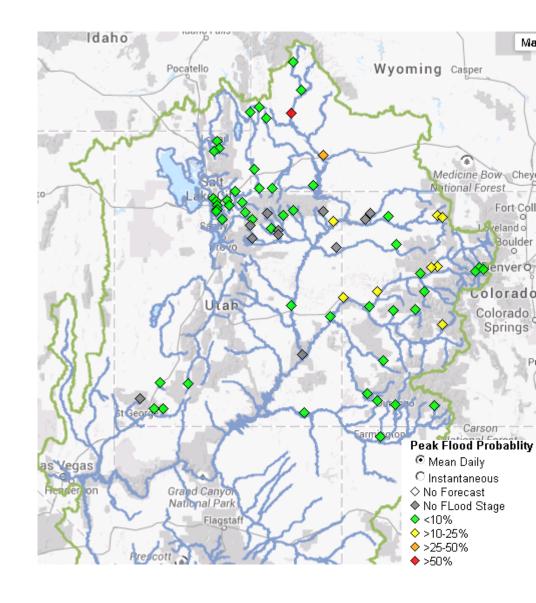
www.cbrfc.noaa.gov/present/present2014.cgi

March 11, 2014

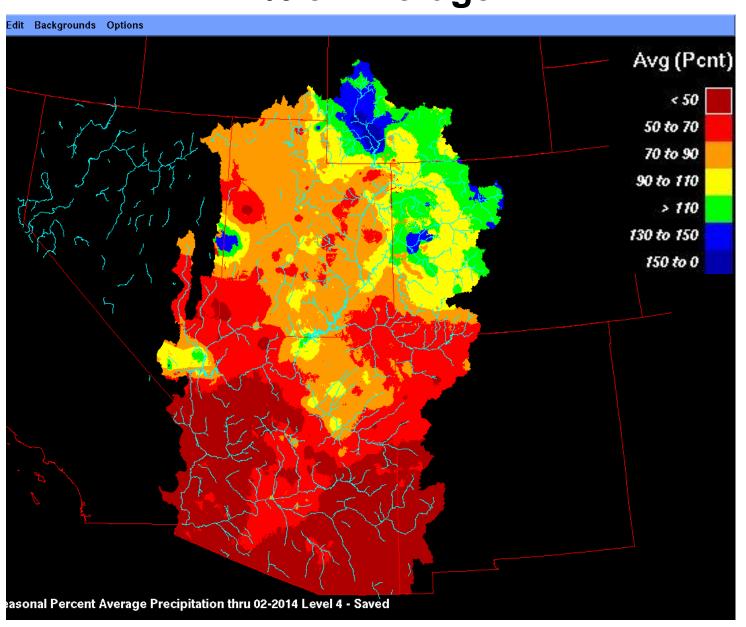
Greg Smith & Brenda Alcorn

Today's Presentation

- Current Snow Situation
- Finding and Interpreting Peak Flow Information
- Peak Flow Forecasts
- Spring Weather Impacts / Weather Forecast

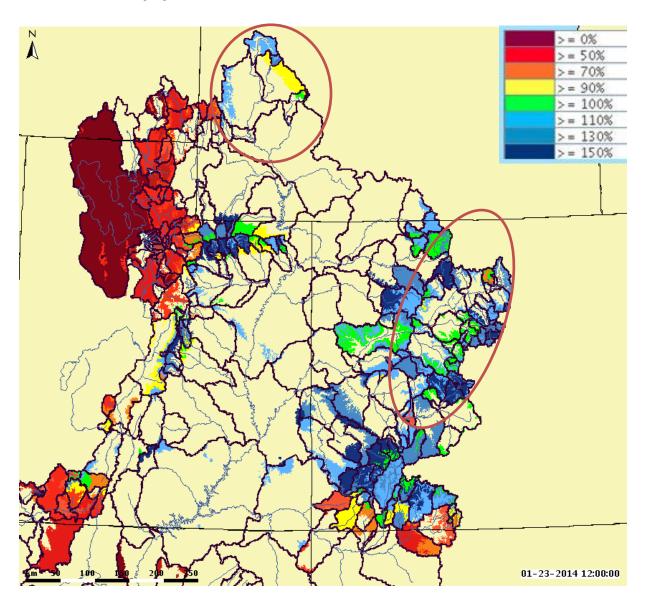


Oct – Feb Precipitation % of Average

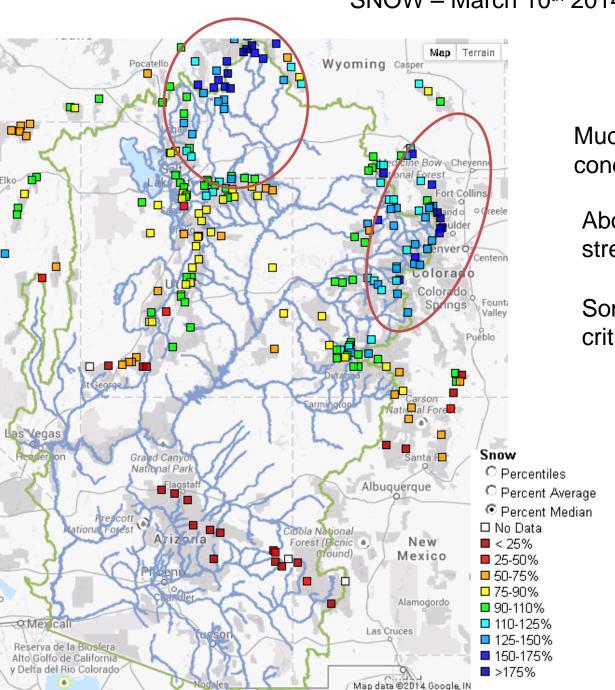


Modeled Soil Moisture

Well above Upper Colorado and well below Great Basin



SNOW - March 10th 2014

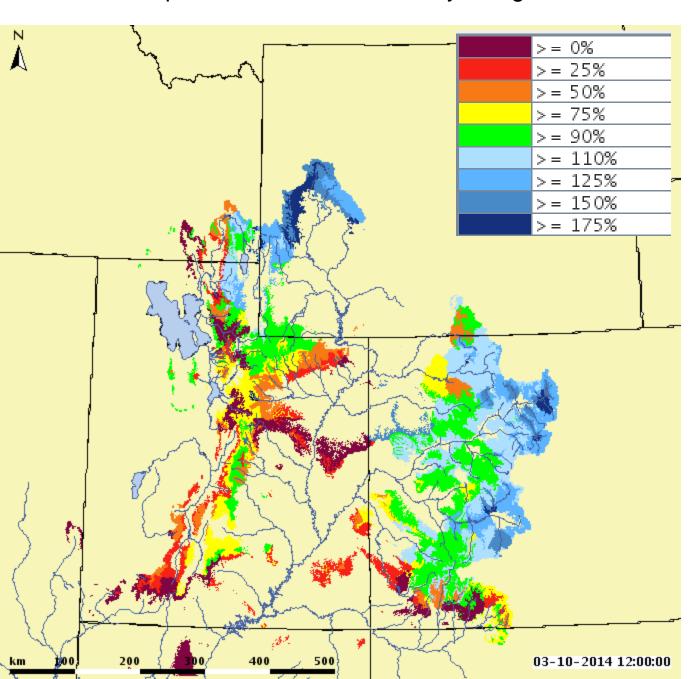


Much above average snow conditions

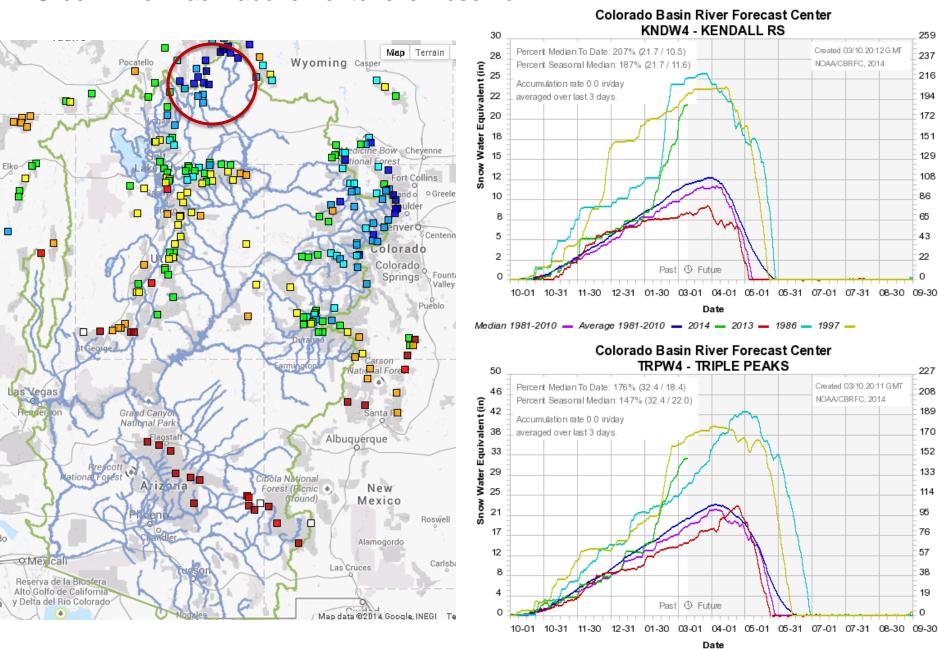
Above average spring streamflow peaks

Some streams likely to reach critical levels

SNOW – As represented in the CBRFC hydrologic model on March 10th 2014



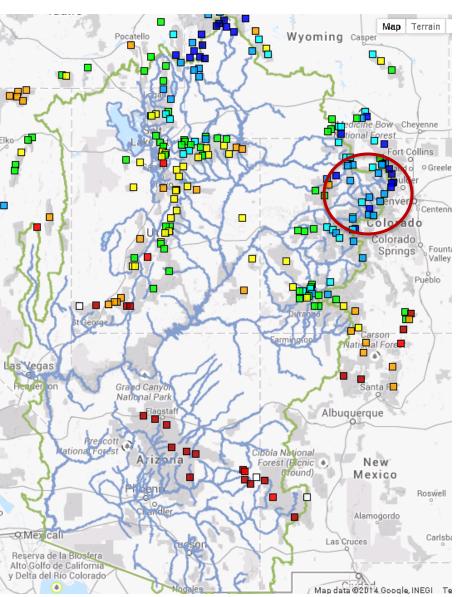
Green River Basin above Fontenelle Reservoir

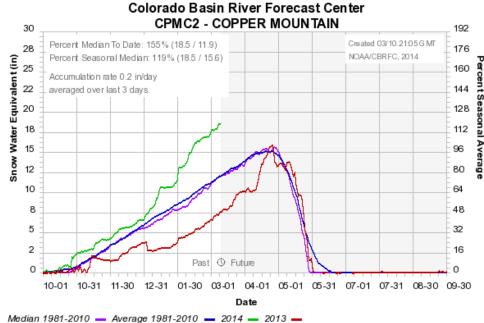


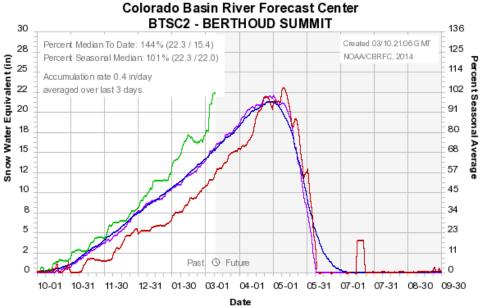
Median 1981-2010 — Average 1981-2010 — 2014 — 2013 — 2011 — 1986 —

Colorado Basin River Forecast Center Yampa / Little Snake / White River Basins WPKW4 - WHISKEY PARK 215 Created 03/10.20:19 G MT Percent Median To Date: 150% (34.9 / 23.2) 197 NOAA/CBRFC, 2014 Percent Seasonal Median: 125% (34.9 / 27.9) Equivalent (in) 50 Accumulation rate 0.1 in/day Map | Terrain 161 averaged over last 3 days. Wyoming Casper 40 Water 35 125 108 90 20 72 10 O Future 10-01 10-31 11-30 12-31 01-30 03-01 04-01 05-01 05-31 07-01 07-31 08-30 09-30 Colorado Springs Median 1981-2010 - Average 1981-2010 - 2014 - 2013 - 1997 - 2006 -Colorado Basin River Forecast Center **RESC2 - RABBIT EARS** 40 149 Created 03/10.20:24 G MT Percent Median To Date: 140% (29.4 / 21.0) 37 137 National Fore NOAA/CBRFC, 2014 Percent Seasonal Median: 110% (29.4 / 26.8) Equivalent (in) 33 Accumulation rate 0.3 in/day 30 averaged over last 3 days. Santa F Grand Canyo National Park 27 Albuquerque 23 20 New (found) Mexico 13 Roswell 10 Alamogordo Carlst Las Cruces 12 Reserva de la Biosfera O Future Alto Golfo de California v Delta del Río Colorado 10-01 10-31 11-30 12-31 01-30 03-01 04-01 05-01 05-31 07-01 07-31 08-30 09-30 Man data @2014 Google, INEGI T

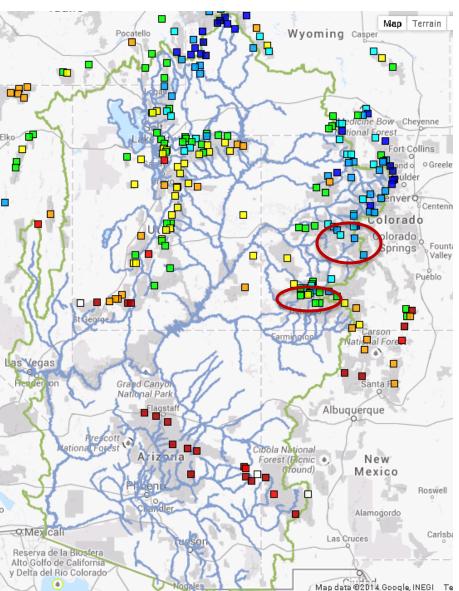
Colorado River above Kremmling



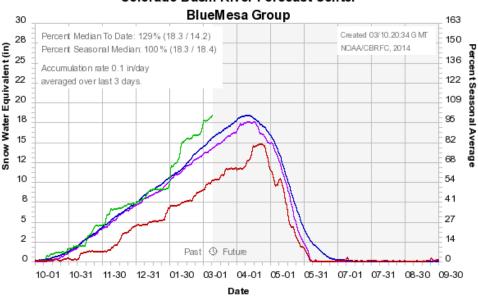




Gunnison / San Juan Basin

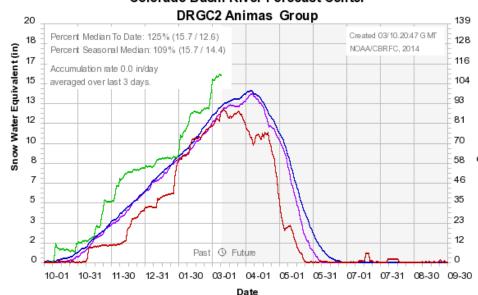


Colorado Basin River Forecast Center

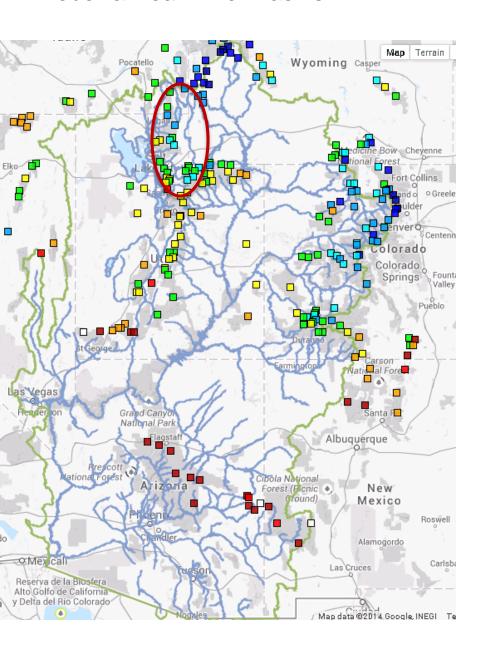


Median 1981-2010 - Average 1981-2010 - 2014 - 2013 -

Colorado Basin River Forecast Center



Weber & Bear River Basins



Colorado Basin River Forecast Center Smith Fork Bear Basin Group 18 Percert Median To Date: 146% (16.0 / 10.9) Percert Seasonal Median: 119% (16.0 / 13.5) Accumulation rate 0.0 in/day averaged over last 3 days. 10 8 62 7 62 65

Median 1981-2010 - Average 1981-2010 - 2014 - 2013 -

Colorado Basin River Forecast Center

10-01 10-31 11-30 12-31 01-30 03-01 04-01 05-01 05-31 07-01 07-31 08-30 09-30

Past () Future



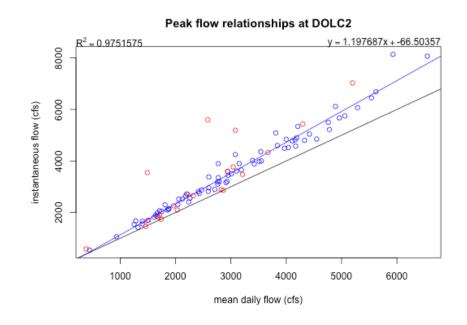
Median 1981-2010 - Average 1981-2010 - 2014 - 2013 -

What is a Peak Flow Forecast?

- Maximum Mean Daily Flow due to snowmelt
 - April-July
- Probabilistic Forecasts
 - Exceedence Probabilities -10%, 25%, 50%, 75%, 90%
- Regulated flow accounting for reservoirs and diversions
 - Planned operations if known
 - Assumptions based on past operations
- Only forecast magnitude of peak not time of peak
- ~70 forecast points
- Will issue twice a month this year

Instantaneous Peak Flow Forecasts

- Based on the observed relationship between maximum mean daily flow and maximum instantaneous flow.
- Only calculated for sites where there is a good correlation between the two.
 - Sites where heavy rains can cause sudden, large peaks generally do not have a good relationship.



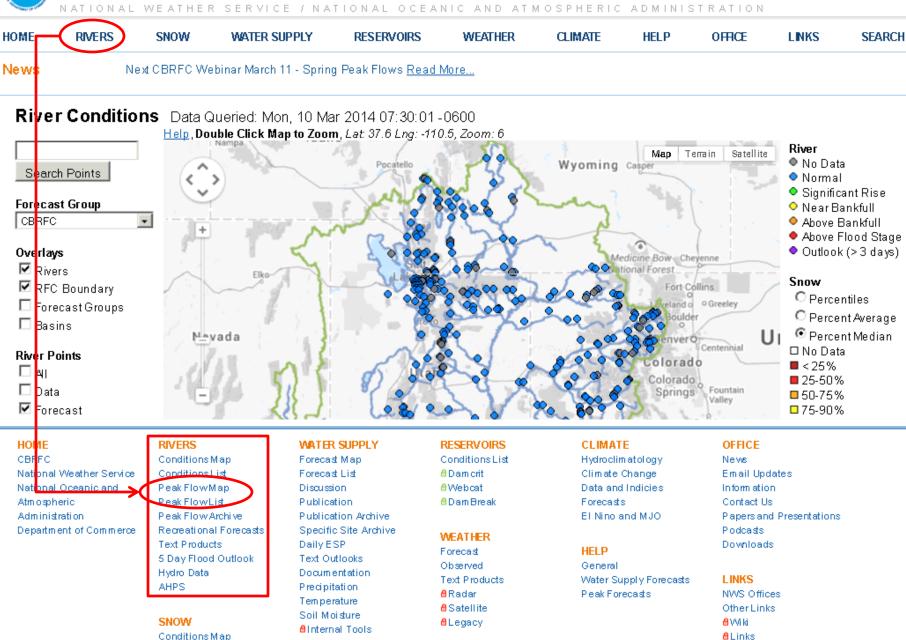
Where to Find Peak Flow Forecasts

- Map:
 - http://www.cbrfc.noaa.gov/gmap/gmapbeta.php?interface=peak
- List:
 - http://www.cbrfc.noaa.gov/rmap/peak/peaklist.php

COLORADO BASIN RIVER FORECAST CENTER

Conditions List

SnowGroups:



Schedule

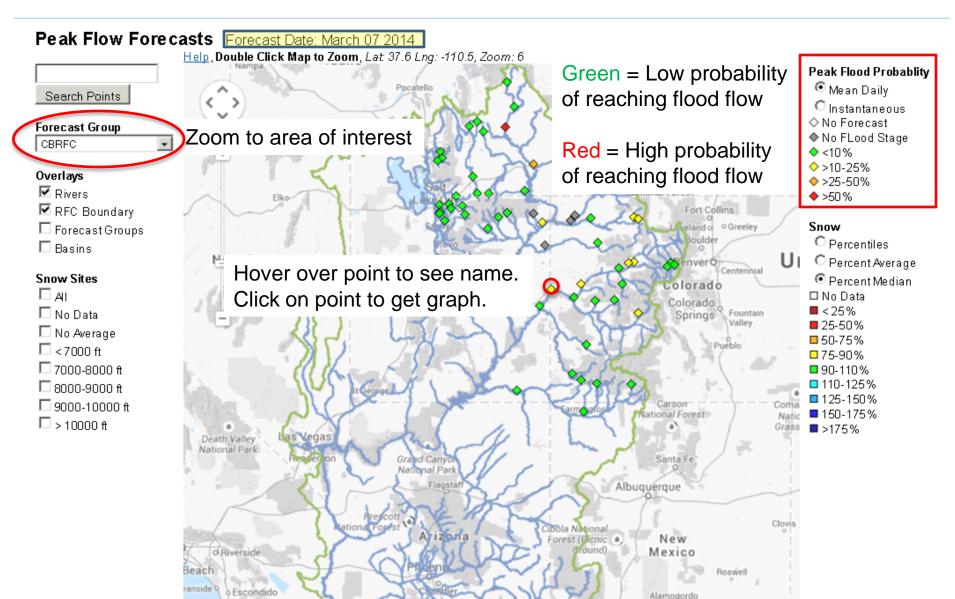
⊕Old SDM

NATIONAL WEATHER SERVICE / NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATIO

HOME RIVERS SNOW WATER SUPPLY RESERVOIRS WEATHER CLIMATE HELP OFFICE LINKS SEARCH

News

Next CBRFC Webinar March 11 - Spring Peak Flows Read More...



Pe ak Flow Fore cast List Help | Download Data | Requery | Rebuild Plots Peak Flood Probability Legend 🛇 No Forecast 🔷 No Flood Stage 🔷 <10 💠 >10 💠 >25 💠 >50 Options (on/off): Mean Daily Forecasts Instantaneous Forecasts Select by Area: CBRFC Green Colorado San Juan Great Sevier Virgin Low Col Observed Date Historic Peak Hist Peak Date Average Peak Normal Earliest Date Normal Latest Date Columns (on/off): ID River Location Flood Flow Fi Issue Date Observed Peak to Date Date Notes Area Sub Area DS Click column heading to sort by that data. Click 12 to view point info. Observed Observed ID River Location Flood Pi issue Date Mean Me an Wean Nean inst ins t Notes inst Daily Daily Daily Daily Daily 90 75 50 25 Peak to Date How 90 75 50 25 10 Date 6100 🔷 2014-03-01 1 WBRW4 Daniel-Nr-3000 3500 4000 4500 5000 4600 5100 NA Green 3100 3600 4100 Warren Bridge-BP NVV4 NewFork Big Piney- Nr 8843 0 2014-03-01 4000 4500 6000 7000 7500 4600 NA 4100 6200 7200 7700 LABW4 Green La Barge-Nr 11498 • 2014-03-01 10000 11000 13000 15000 16000 10000 11000 13000 15000 16000 NA GRRW4 Green Green River-11050 🔷 2014-03-01 9000 9500 10000 12000 14000 14000 NA 9200 9700 10000 12000 Wy- Nr Frontier-Nr-5 HMFVV4 HamsFork 1794 🔷 2014-03-01 600 700 800 1100 1300 640 1200 1400 NA 750 860 Pole Ck-Blo 2990 🔷 2014-03-01 1200 **BNRU1** BlacksFork Robertson-Nr 800 1000 1400 1600 980 1200 1500 1700 1900 NA HFMVV4 Henrys Fork Manila-Nr 5723 0 2014-03-01 250 300 400 650 950 NA NA NA NA NA NA STMC2 Yampa Steamboat 5930 🔷 2014-03-01 3000 3500 4000 5000 6000 NA 3300 3800 4400 5400 6400 Springs 5749 0 2014-03-01 4500 ENM C2 Milner- Nr. 3000 4000 5000 6500 5600 7200 NA 3400 4500 5000 MBLC2 Yampa Maybell- Nr. 21200 🔷 2014-03-01 8500 9000 10500 12500 15500 16000 NA 8800 9400 11000 13000 LILC2 Little Snake NA | • 2014-03-01 3000 4000 5000 6000 7000 11 Lilly- Nr 3400 4500 5600 6800 7900 NA 15000 17000 12 YDLC2 Yampa Deerlodge Park NA | • 2014-03-01 12000 13000 22000 12000 18000 23000 NA 13000 16000 13 WRM C2 White Meeker-Nr 7700 • 2014-03-01 2000 2500 3000 3500 4000 NA 2200 2700 3200 3800 4300 White 3500 WAT U1 Watson- Nr. NA | • | 2014-03-01 2000 2500 3000 4500 2100 2700 3800 5000 NA 3300 Vernal-Nr-Red NA | 12014-03-01 BRUU1 Big Brush Ck 100 130 160 220 300 NA 15 NA NA NA NA NA Fleet Res-Abv 16 TADU1 Duchesne Tabiona- Nr 2700 🔷 2014-03-01 200 300 450 650 800 300 400 570 780 940 NA Peak Flow Forecasts Are Regulated Forecasts Based On Upstream Diversions

And Regulation

Peak Flow Forecast List Help | Download Data | Requery | Rebuild Plots

Peak Flood Probability Legend

♦ No Forecast ♦ No Flood Stage ♦ <10 ♦ >10 ♦ >25 ♦ >50

Options (on/off): Mean Daily Forecasts Instantaneous Forecasts Plot

Click column heading to sort hy that data. Click ID to view point info

Select by Area: CBRFC Green Colorado San Juan Great Sevier Virgin Low Col

Text in orange is 'on'. Text in blue is 'off'.

Columns (on/off): ID River Location Flood Flow PI Issue Date Observed Peak to Date Observed Date Historic Peak Hist Peak Date Average Peak Normal Earliest Date Normal Latest Date Notes Area Sub Area DS

Click column heading to sort by that data. Click ID to view point into.																			
	ПD	River	Location	Flood Flow	PI	ks ue Date	We an Daily 90	We an Daily 75	Mean Daily 50	We an Daily 25	Wean Daily 10	Inst 90	Inst 75	inst 50	Inst 25	ins t 10	Observed Peak to Date	Obs erved Date	Notes
1	WBRW4	Green	Daniel-Nr- Warren Bridge- At	6100	\	2014-03-01	3000	3500	4000	4500	5000	3100	3600	4100	4600	5100	NA		
2	BP NW4	NewFork	Big Piney- Nr	8843	\	2014-03-01	4000	4500	6000	7000	7500	4100	4600	6200	7200	7700	NA		
3	LABW4	Green	La Barge-Nr	11498	*	2014-03-01	10000	11 0 0 0	13000	15000	16000	10000	11000	13000	15000	16000	NA		
4	GRRW4	Green	Green River- VVy- Nr	11050	\	2014-03-01	9000	9500	10000	12000	14000	9200	9700	10000	12000	14000	NA		
5	HM FVV4	HamsFork	Frontier-Nr- Pole Ck-Blo	1794	•	2014-03-01	600	700	800	11 00	1300	640	750	860	1200	1400	NA		
6	BNRU1	BlacksFork	Robertson-Nr	2990	\Q	2014-03-01	800	1000	1200	1400	1600	980	1200	1500	1700	1900	NA		
7	HFMVV4	HenrysFork	Manila-Nr	5723	\	2014-03-01	250	300	400	650	950	NA	NA	NA	NA	NA	NA		
8	STMC2	Yampa	Steam boat Springs	5930	\	2014-03-01	3000	3500	4000	5000	6000	3300	3800	4400	5400	6400	NA		
9	ENMC2	Elk	Milner- Nr	5749	\	2014-03-01	3000	4000	4500	5000	6500	3400	4500	5000	5600	7200	NA		
10	MBLC2	Yampa	Maybell-Nr	21200	\Q	2014-03-01	8500	9000	10500	12500	15500	8800	9400	11000	13000	16000	NA		
11	LILC2	Little Snake	Lil y- Nr	NA		2014-03-01	3000	4000	5000	6000	7000	3400	4500	5600	6800	7900	NA		
12	YDLC2	Yampa	Deerlodge Park	NA	\Phi	2014-03-01	12000	13000	15000	17000	22000	12000	13000	16000	18000	23000	NA		
13	WRM C2	White	Meeker-Nr	7700	\	2014-03-01	2000	2500	3000	3500	4000	2200	2700	3200	3800	4300	NA		
14	WAT U1	White	Watson- Nr	NA	\Pi	2014-03-01	2000	2500	3000	3500	4500	2100	2700	3300	3800	5000	NA		
15	BRUU1	Big Brush Ck	Vernal-Nr-Red Fleet Res-Abv	NA		2014-03-01	100	130	160	220	300	NA	NA	NA	NA	NA	NA		
16	TADU1	Duchesne	Tabiona- Nr	2700	♦	2014-03-01	200	300	450	650	800	300	400	570	780	940	NA		Peak Flow Forecasts Are Regulated Forecasts Based On Upstream Diversions And Regulation

Peak Flow Fore cast List Help | Download Data | Requery | Rebuild Plots

Peak Flood Probability Legend

♦ No Forecast ♦ No Flood Stage ♦ <10 ♦ >10 ♦ >25 ♦ >50

Options (on/off): Mean Daily Forecasts Instantaneous Forecasts Plot

Select by Area: CBRFC Green Colorado San Juan Great Sevier Virgin Low Col

Always referencing mean daily peaks

Date Notes Area Sub Area DS

Columns (on/off): ID River Location Flood Flow PI Issue Date Observed Peak to Date Observed Date Historic Peak Hist Peak Date Average Peak Normal Earliest Date Normal Latest Date

Click column heading to sort by that data. Click ID to view point info.

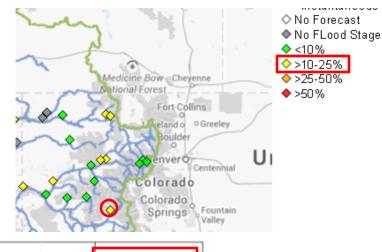
Oll	k column	n neading to s	.								1						
	ID	River	Location	Flood Flow	PI	ksue Date	Mean Daily 90	Mean Daily 75	Mean Daily 50	Mean Daily 25	Mean Daily 10	His toric Pe a k	Hist Peak Date	Average Peak	Normal Earliest Date	Normal Lates t Date	
1	WBRW4	Green	Daniel - Nr- Warren Bridge - At	6100		2014-03-01	3000	3500	4000	4500	5000	5620	1997-06-12	2695	05-27	06-28	
2	BPNW4	NewFork	Big Piney- Nr	8843	♦	2014-03-01	4000	4500	6000	7000	7500	9110	1986-06-08	4730	05-26	06-23	
3	LABW4	Green	La Barge-Nr	11498	*	2014-03-01	10000	11 0 0 0	13000	15000	16000	18800	1986-06-10	8000	05-26	06-21	
4	GRRW4	Green	Green River- Wy- Nr	11050	\Q	2014-03-01	9000	9500	10000	12000	14000	15400	1972-06-17	5790	05-05	07-08	
5	HMFVV4	HamsFork	Frontier- Nr-Pole Ck- Blo	1794	•	2014-03-01	600	700	800	11 00	1300	2000	1986-06-06	710	05-09	06-06	
6	BNRU1	BlacksFork	Robertson-Nr	2990	\Q	2014-03-01	800	1000	1200	1400	1600	2860	2011-07-01	1380	05-23	06-17	
7	HEMVV4	Henrys Fork	Manila- Nr	5723	♦	2014-03-01	250	300	400	650	950	3780	1965-06-14	750	05-10	06-26	
8	STMC2	Yampa	Steam boat Springs	5930	\Q	2014-03-01	3000	3500	4000	5000	6000	5870	1921-06-15	3070	05-19	06-10	
9	ENMC2	Elk	Milner- Nr	5749	\	2014-03-01	3000	4000	4500	5000	6500	7000	2011-06-08	3865	05-17	06-03	
10	M BLC2	Yampa	Maybell-Nr	21200	\Q	2014-03-01	8500	9000	10500	12500	15500	24400	1984-05-18	10300	05-12	06-05	
11	LILC2	Little Snake	Lily- Nr	NA		2014-03-01	3000	4000	5000	6000	7000	13400	1984-05-19	4320	05-03	06-04	
12	YDLC2	Yampa	Deerlodge Park	NA		2014-03-01	12000	13000	15000	17000	22000	32300	1984-05-19	13470	05-11	06-04	
13	WRMC2	White	Meeker-Nr	7700		2014-03-01	2000	2500	3000	3500	4000	6320	1984-05-26	3040	05-17	06-09	
14	WAT U1	White	Watson- Nr	NA		2014-03-01	2000	2500	3000	3500	4500	8160	1929-07-16	2815	05-16	80-80	
15	BRUU1	Big Brush Ck	Vernal-Nr-Red Fleet Res-Abv	NA		2014-03-01	100	130	160	220	300	414	2005-05-24	235	05-04	06-01	
16	TADU1	Duchesne	Tabiona- Nr	2700	♦	2014-03-01	200	300	450	650	800	2810	2011-06-17	925	05-14	06-12	PeakF F

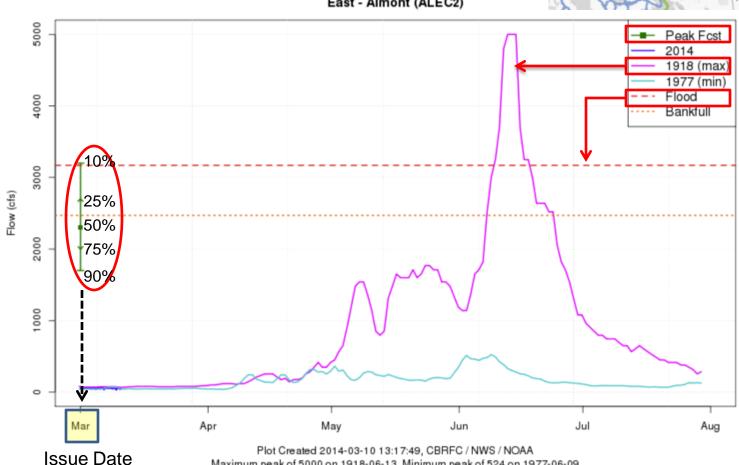
ALEC2 Peak Flow Forecasts

Plot Forecasts Observations

Plot Options (on/off): Record Years Yearly Peaks Flood Flow

2014 Peak Flow Forecast East - Almont (ALEC2)

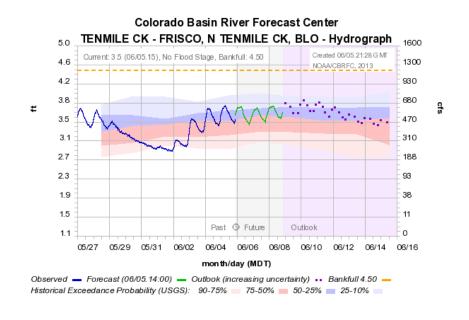




Maximum peak of 5000 on 1918-06-13, Minimum peak of 524 on 1977-06-09
Previous year data are Mean Daily (Daily).

Time of Peak

- Peak forecasts are meant to be long range outlooks and do not forecast the time of peak.
- As the peak nears, or as flows near critical levels, the daily forecast hydrographs are the place to get up-to-date information.
 - Peak flow list may indicate "Peaking Soon" or "Peak has Already Occurred"



Peak Flow Forecasts

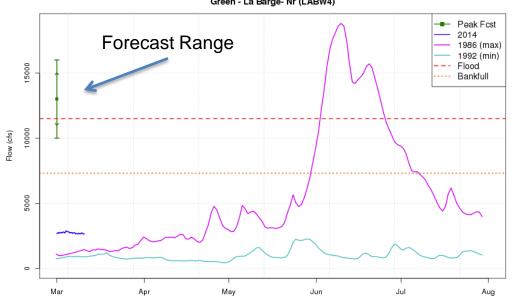
Critical levels indicated in forecast distribution

ID	River	Location	Flood Flow	ΡI	ksue Date	Wean Daily 90	Wean Daily 75	Wean Daily 50	Wean Daily 25	Wean Daily 10	Average Peak
LABW4	Green	La Barge- Nr	11498	•	2014-03-01	10000	11000	13000	15000	16000	8000
GRRW4	Green	Green River- Wy- Nr	11050	\	2014-03-01	9000	9500	10000	12000	14000	5790
JESU1	Green	Jensen- Nr	2 4 138	\	2014-03-01	16500	17500	19500	23000	30000	16990
STMC2	Yampa	Steamboat Springs	5930	\	2014-03-01	3000	3500	4000	5000	6000	3070
ENMC2	Elk	Milner- Nr	5749	\	2014-03-01	3000	4000	4500	5000	6500	3865

Peak Flood Probability Legend

♦ No Forecast ♦ No Flood Stage ♦ <10 ♦ >10 ♦ >25 ♦ >50

2014 Peak Flow Forecast Green - La Barge- Nr (LABW4)



Plot Created 2014-03-10 13:16:22, CBRFC / NWS / NOAA Maximum peak of 18800 on 1986-06-10, Minimum peak of 2270 on 1992-05-29 Previous year data are Mean Daily (Daily).

Green River – LaBarge

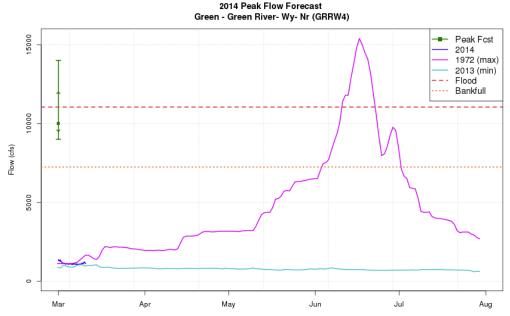
Forecast: 13000 CFS
Average: 4730 CFS
Flood: 11500 CFS

Last Year: 3800 CFS

Green River - Green River, WY

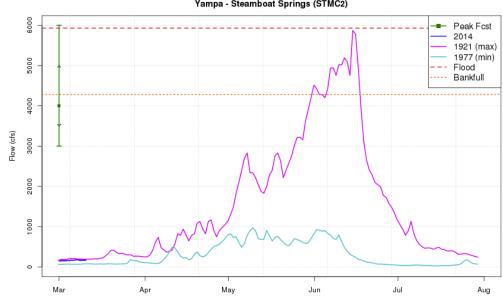
Forecast: 10000 CFS
Average: 5790 CFS
Flood: 11000 CFS

Last Year: 850 CFS



Forecasts are 50% Exceedance Forecast

2014 Peak Flow Forecast Yampa - Steamboat Springs (STMC2)



Yampa – Steamboat Springs

Forecast: 4000 CFS
Average: 3070 CFS
Flood: 5930 CFS

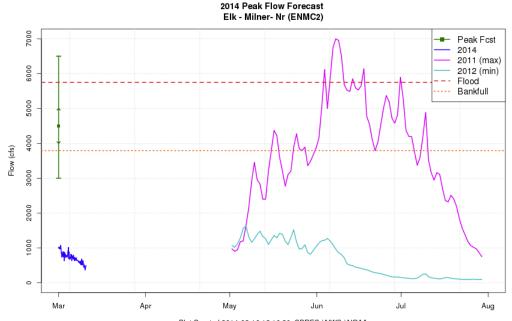
Last Year: 2550 CFS

Plot Created 2014-03-10 13:16:28, CBRFC / NWS / NOAA Maximum peak of 5870 on 1921-06-15, Minimum peak of 974 on 1977-05-10 Previous year data are Mean Daily (Daily).

Elk River - Milner

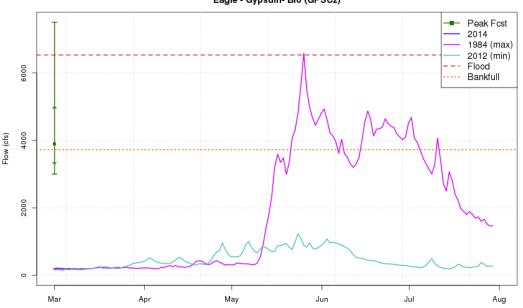
Forecast: 4500 CFS
Average: 3865 CFS
Flood: 5750 CFS

Last Year: 3090 CFS



Plot Created 2014-03-10 13:16:30, CBRFC / NWS / NOAA Maximum peak of 7000 on 2011-06-08, Minimum peak of 1630 on 2012-05-07 Previous year data are Mean Daily (Daily).

2014 Peak Flow Forecast Eagle - Gypsum- Blo (GPSC2)



Plot Created 2014-03-10 13:16:57, CBRFC / NWS / NOAA Maximum peak of 6580 on 1984-05-26, Minimum peak of 1230 on 2012-05-24 Previous year data are Mean Daily (Daily).

Eagle River - Gypsum

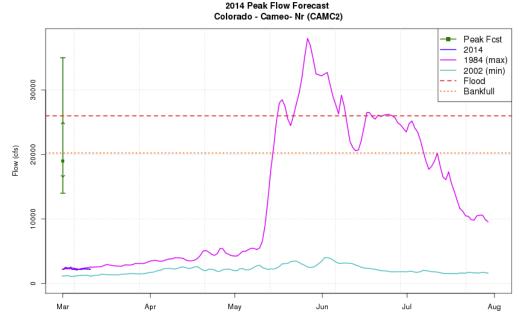
Forecast: 3900 CFS
Average: 3600 CFS
Flood: 6530 CFS

Last Year: 3020 CFS

Colorado - Cameo

Forecast: 19000 CFS
Average: 17000 CFS
Flood: 26000 CFS

Last Year: 9540 CFS



Forecasts are 50% Exceedance Forecast

2014 Peak Flow Forecast Green - Green River- Ut (GRVU1)



Plot Created 2014-03-10 13:16:18, CBRFC / NWS / NOAA Maximum peak of 66700 on 1917-06-28, Minimum peak of 6260 on 1934-05-18 Previous year data are Mean Daily (Daily). Green River – Green River, UT

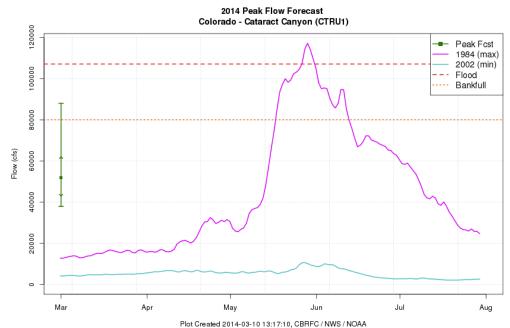
Forecast: 23000 CFS
Average: 21700 CFS
Flood: 36400 CFS

Last Year: 11500 CFS

Colorado – Cataract Canyon

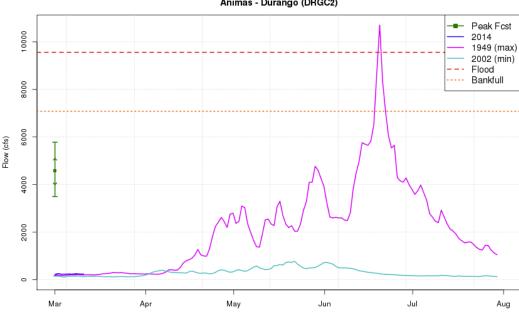
Forecast: 52000 CFS
Average: 48000 CFS
Flood: None

Last Year: 23000



Maximum peak of 117160 on 1984-05-29, Minimum peak of 10135.8 on 2002-05-28 Previous year data are Mean Daily (Daily).

2014 Peak Flow Forecast Animas - Durango (DRGC2)



Animas - Durango

Forecast: 4580 CFS Average: 5780 CFS Flood: 9560 CFS

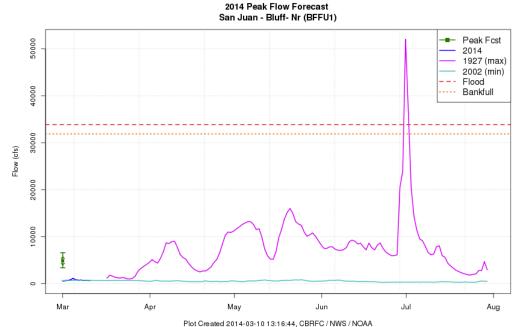
Last Year: 2580 CFS

Plot Created 2014-03-10 13:16:40, CBRFC / NWS / NOAA Maximum peak of 10700 on 1949-06-20, Minimum peak of 777 on 2002-05-22 Previous year data are Mean Daily (Daily).

San Juan - Bluff

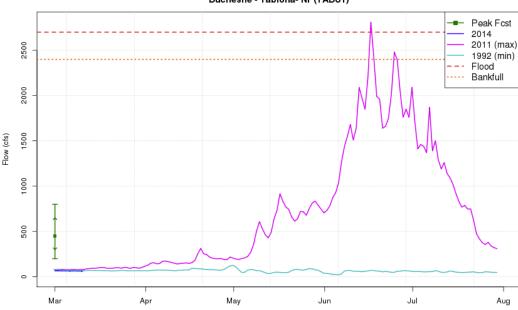
Forecast: 4900 CFS
Average: 7340 CFS
Flood: 33800 CFS

Last Year: 2190 CFS



Maximum peak of 52000 on 1927-07-01, Minimum peak of 847 on 2002-05-25 Previous year data are Mean Daily (Daily).

2014 Peak Flow Forecast Duchesne - Tabiona- Nr (TADU1)



Duchesne - Tabiona

Forecast: 450 CFS
Average: 925 CFS
Flood: 2700 CFS

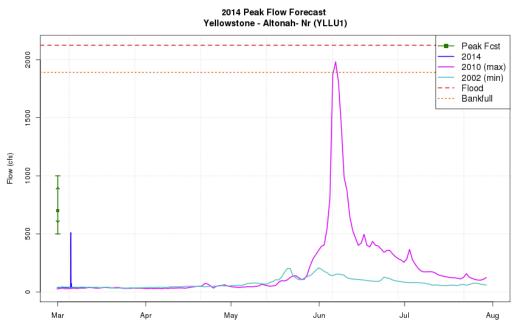
Last Year: 185 CFS

Plot Created 2014-03-10 13:16:08, CBRFC / NWS / NOAA Maximum peak of 2810 on 2011-06-17, Minimum peak of 127 on 1992-05-01 Previous year data are Mean Daily (Daily).

Yellowstone - Altonah

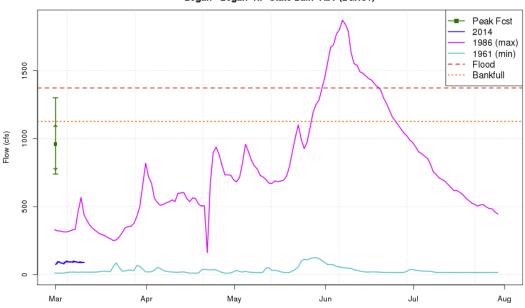
Forecast: **700 CFS**Average: 950 CFS
Flood: 2120 CFS

Last Year: 440 CFS



Plot Created 2014-03-10 13:16:12, CBRFC / NWS / NOAA Maximum peak of 1980 on 2010-06-07, Minimum peak of 209 on 2002-06-01 Previous year data are Mean Daily (Daily).

2014 Peak Flow Forecast Logan - Logan- Nr- State Dam- Abv (LGNU1)



Plot Created 2014-03-10 13:17:16, CBRFC / NWS / NOAA

Previous year data are Mean Daily (Daily).

Maximum peak of 1870 on 1986-06-07, Minimum peak of 126 on 1961-05

Logan River - Logan

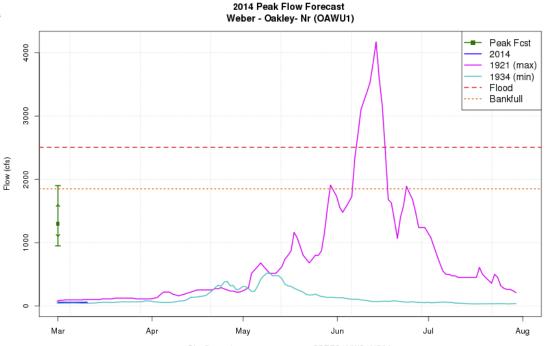
Forecast: 960 CFS
Average: 950 CFS
Flood: 1370 CFS

Last Year: 480 CFS

Weber River - Oakley

Forecast: 1300 CFS
Average: 1650 CFS
Flood: 2500 CFS

Last Year: 770 CFS



Forecasts are 50% Exceedance Forecast

Peak Forecast Summary

Forecast distribution touches the flood level at:

- Upper Green River in Wyoming (* exceeded at 50% forecast)
- Yampa River headwaters (Elk River)
- Colorado River Headwaters (@ Stateline, above Cameo, Eagle River)
- Gunnison River above Blue Mesa (East River)

Forecast distribution nearing flood level at:

Logan River near Logan

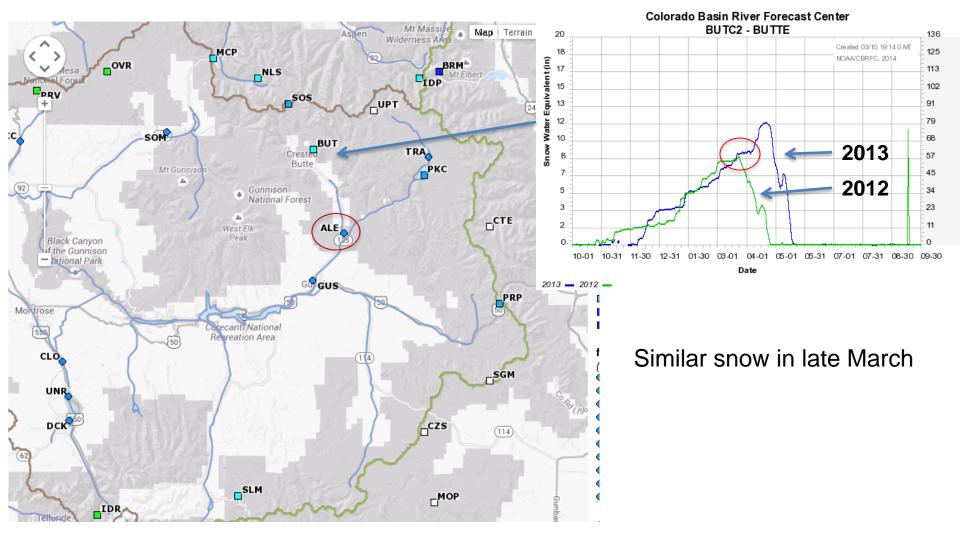
* Procedures don't exist everywhere *

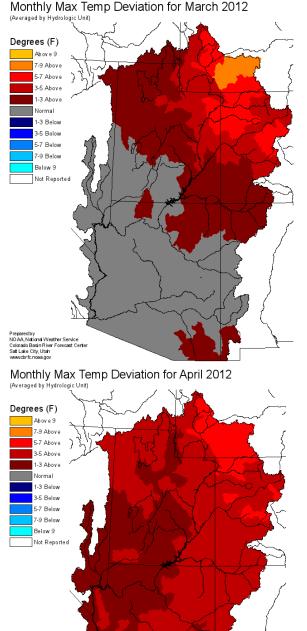
Spring Weather Really Matters

- Runoff characteristics are largely determined by the day-to-day spring weather.
 - While large snow pack years increase chances for flooding, it is not an inevitability (dodged a bullet at many sites in 2011)
 - Small snow pack years can flood with the right sequence of spring temperatures and with flows enhanced by precipitation.
 - Rain events may play a larger role in the magnitude of the peak flow during very low snow years.
 - Keep an eye on our web page / daily forecasts

The impact of spring weather

Gunnison River Basin – East River at Almont





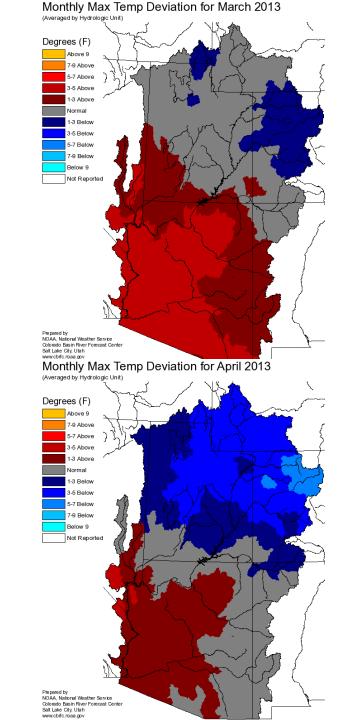
Prepared by NOAA, National Weather Service

Colorado Basin River Forecast Center Salt Lake City, Utah

The impact of spring weather

2012 Above Average

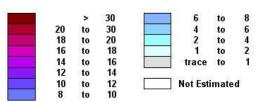
2013 Near-Below Average



The impact of spring weather

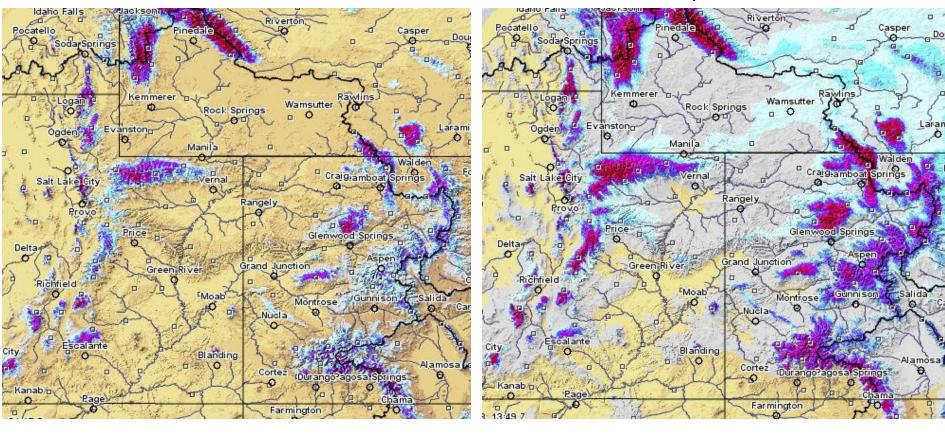
Inches of water equivalent

2013 Retained and added to the snowpack compared to 2012



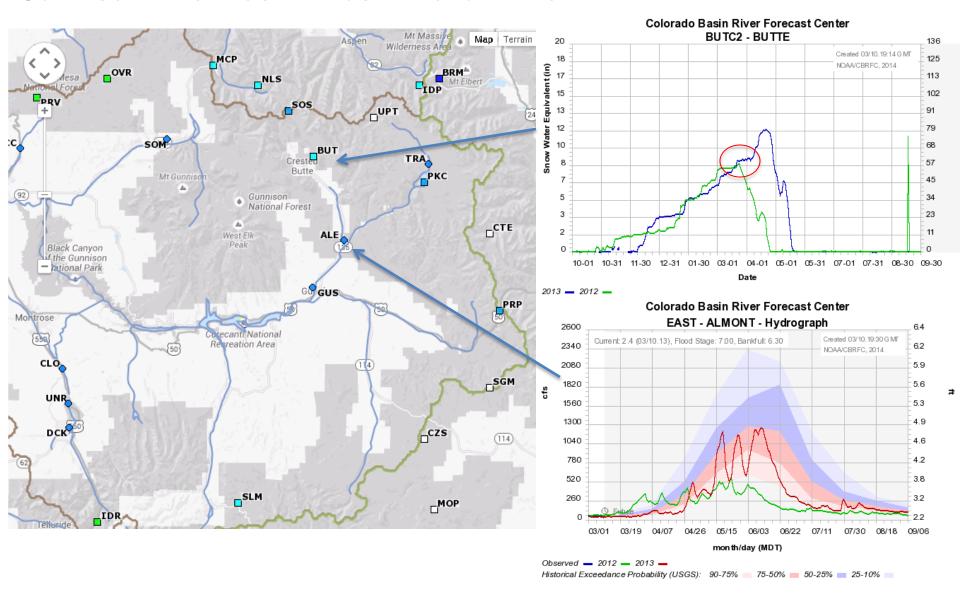
April 18 2012

April 18 2013



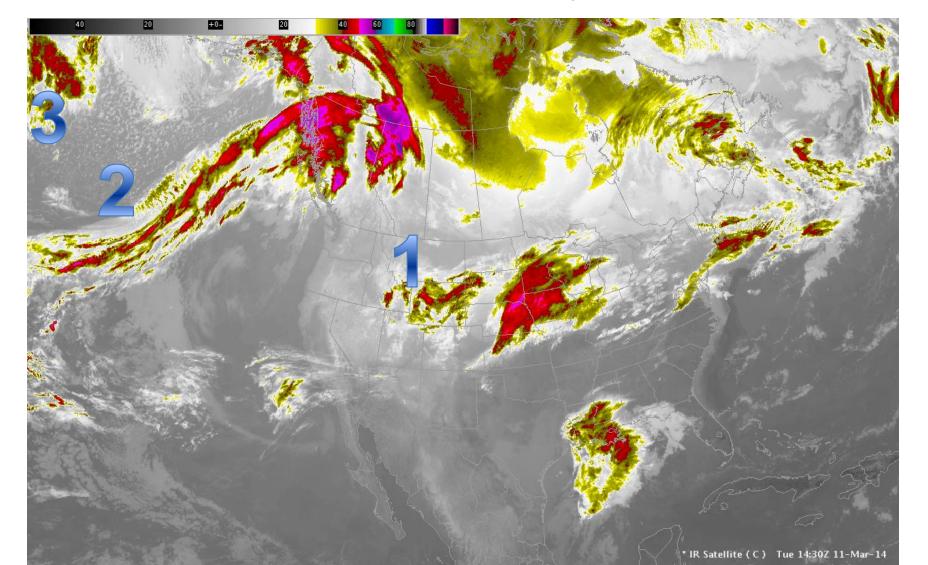
The impact of spring weather

Gunnison River Basin – East River at Almont

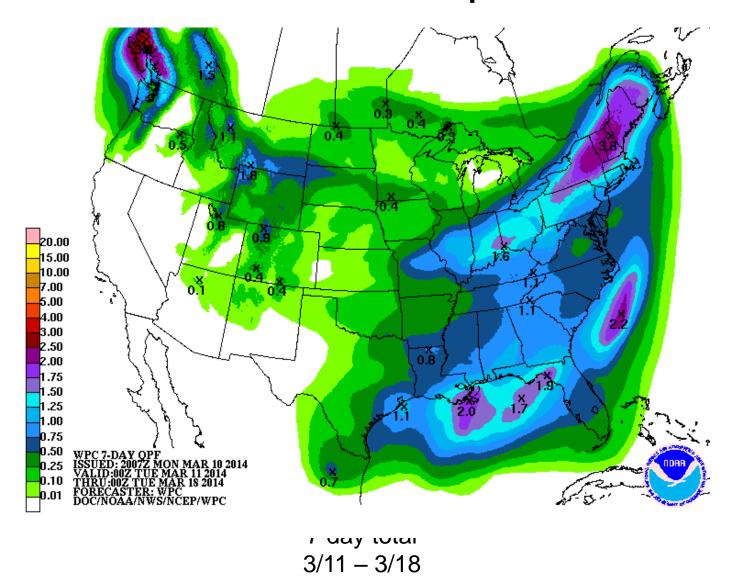


Upcoming Weather – Periods of Wet / Dry – Fast Moving Storm Systems

- 1 Storm system over the area now exiting by Wednesday.
- 2 Weakens and moves into Canada
- 3 Clip our northern areas (Upper Green, Yampa, Colorado) Saturday
- 4 Affects northern Great Basin, Colorado, Wyoming early next week



Forecast Precipitation

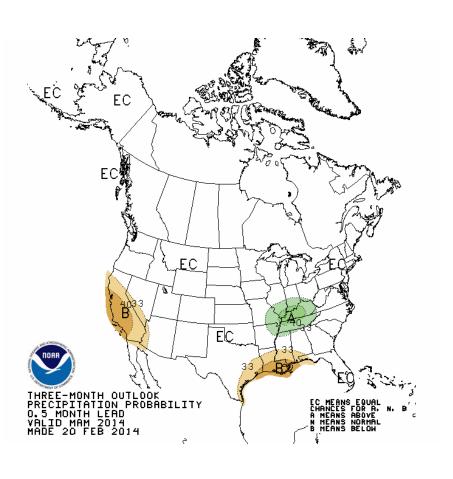


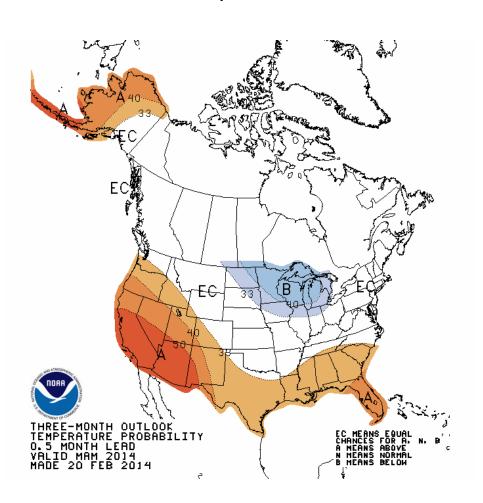
Web Reference: www.hpc.ncep.noaa.gov

90 Day Outlooks

Precipitation

Temperature





Peak Flow Forecast Schedule

- Forecast updates planned for:
 - Twice Monthly (1st week & mid month) through early June.
- Upcoming Webinars:
 - Water Supply, April 7th, May 6th, June 5th all at 1 pm MDT
 - Peak Flow ~ Early / Mid April or as needed

CBRFC Contacts

- Basin Focal Points for Peak Flow (Available to discuss forecasts: 801.524.5130)
 - Upper Colorado: Brenda Alcorn
 - Green: Ashley Nielson
 - San Juan / Gunnison: Greg Smith
 - Great Basin: Paul Miller
 - Virgin / Sevier Tracy Cox

