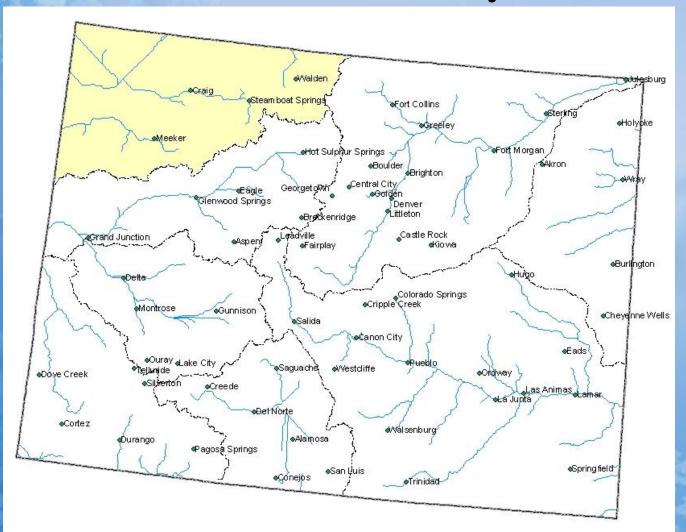
Water Availability Task Force Meeting May 16th, 2014

NRCS Snow Survey and Water Supply Forecasting Program

> Brian Domonkos Colorado Snow Survey Supervisor 720-544-2852

http://www.nrcs.usda.gov/wps/portal/nrcs/main/co/snow/

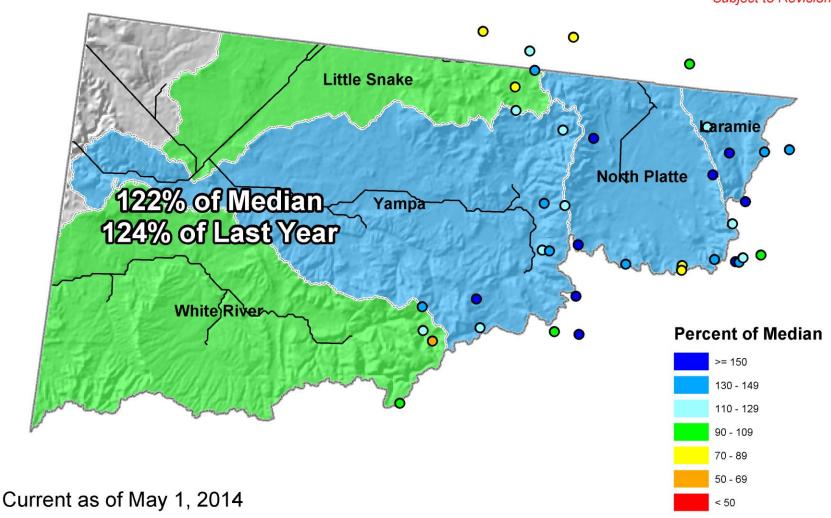
Yampa, White & North Platte River Basins Summary

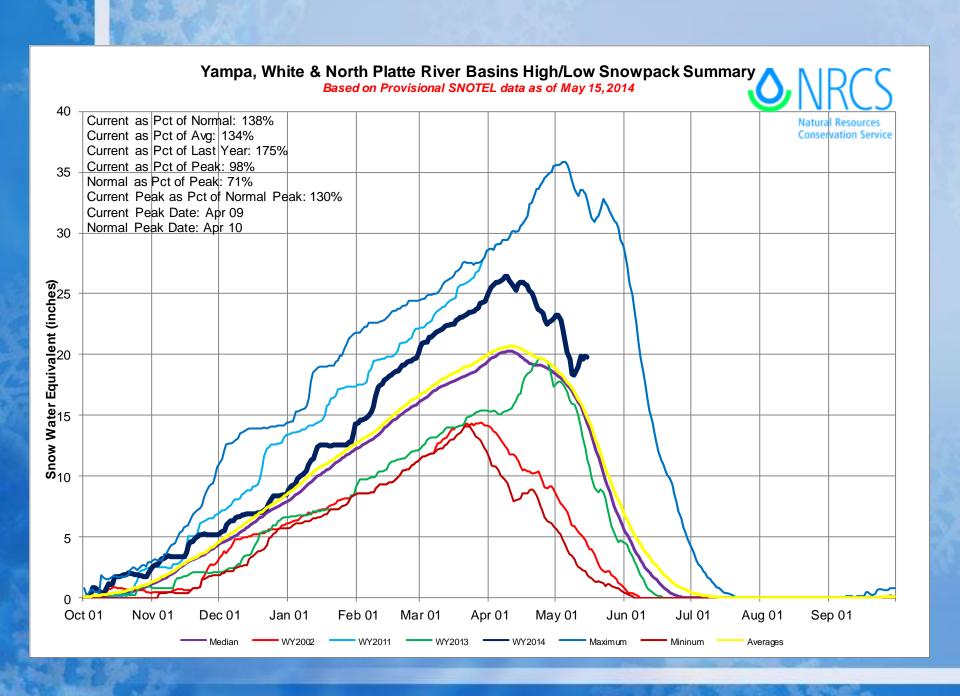


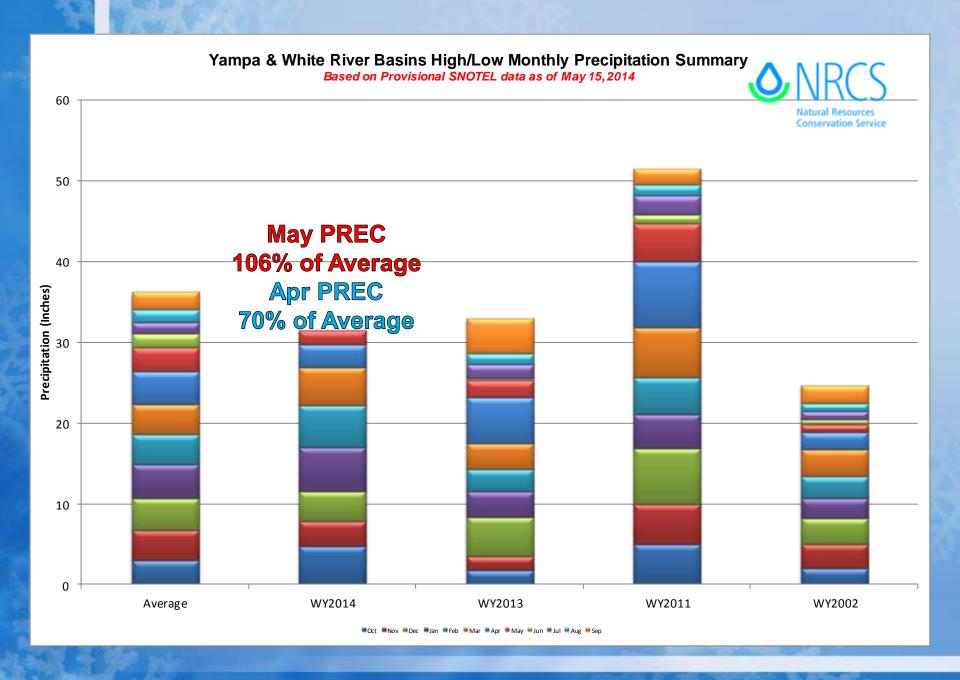
Yampa, White and North Platte River Basins Snowpack Map



Provisional Data Subject to Revision



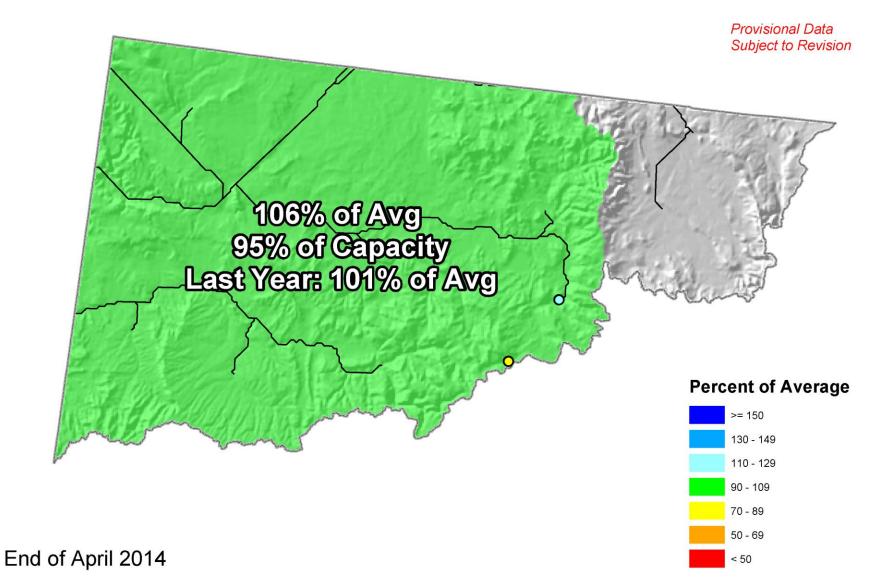




Yampa & White River Basins High/Low Year-to-Date Precipitation Summary Based on Provisional SNOTEL data as of May 15, 2014 60.0 Current as Pct of Average: 112% Conservation Service Current as Pct of Median: 112% Current as Pct of Last Year: 131% Current as Pct of Average Annnual Total: 87% Average as Pct of Average Annual Total: 77% 50.0 Pct of Avg Needed to Reach Avg Annual Total: 58% Year-to-Date Precipitation (inches) 40.0 30.0 20.0 10.0 Oct 01 Nov 01 Dec 01 Jan 01 Feb 01 Mar 01 Jun 01 Jul 01 Aug 01 Sep 01 Apr 01 May 01 WY2011

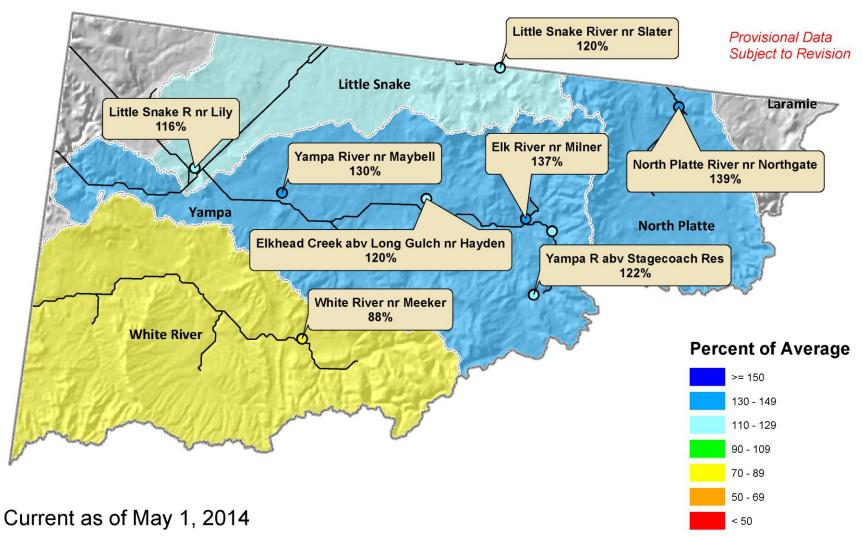
Yampa & White River Basins Reservoir Storage Map





Yampa, White and North Platte River Basins Streamflow Map



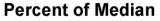


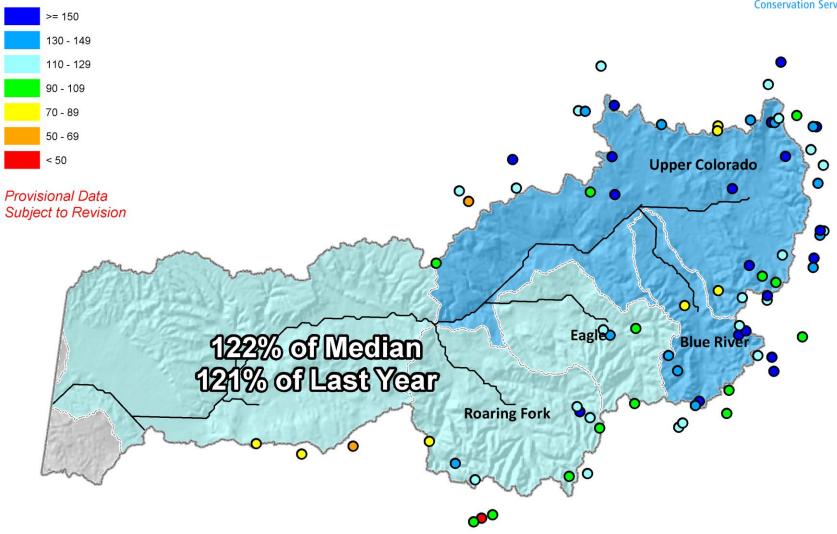
Colorado River Basin Summary



Colorado River Basin Snowpack Map

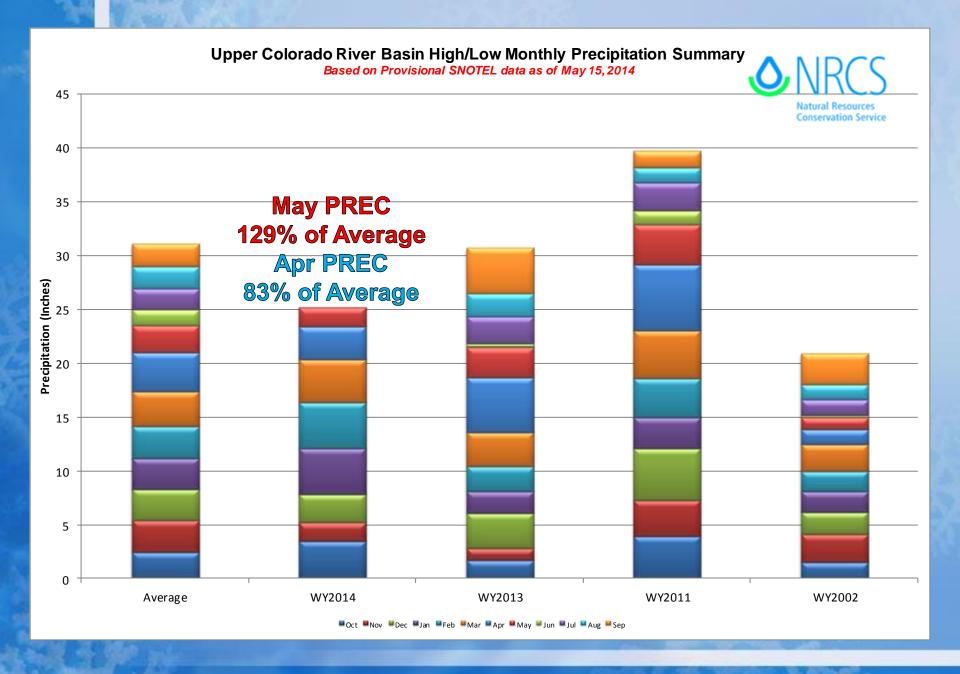






Current as of May 1, 2014

Upper Colorado River Basin High/Low Snowpack Summary Based on Provisional SNOTEL data as of May 15, 2014 Current as Pct of Normal: 143% Current as Pct of Avg: 129% Conservation Service Current as Pct of Last Year: 135% Current as Pct of Peak: 85% Normal as Pct of Peak: 59% Current Peak as Pct of Normal Peak: 128% Current Peak Date: Apr 08 Normal Peak Date: Apr 10 Snow Water Equivalent (inches) 5 Oct 01 Nov 01 May 01 Jun 01 Jul 01 Aug 01 Sep 01 Dec 01 Jan 01 Feb 01 Mar 01 Apr 01 Median WY 2002



Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary Based on Provisional SNOTEL data as of May 15, 2014 45.0 Current as Pct of Average: 112% Conservation Service Current as Pct of Median: 114% Current as Pct of Last Year: 123% 40.0 Current as Pct of Average Annnual Total: 81% Average as Pct of Average Annual Total: 72% Pct of Avg Needed to Reach Avg Annual Total: 68% 35.0 Year-to-Date Precipitation (inches) 30.0 25.0 20.0 15.0 10.0 5.0 Oct 01 Nov 01 Dec 01 Jan 01 Feb 01 Mar 01 Jul 01 Sep 01 Apr 01 May 01 Jun 01 Aug 01

WY2002

WY2011

WY2013

WY2014

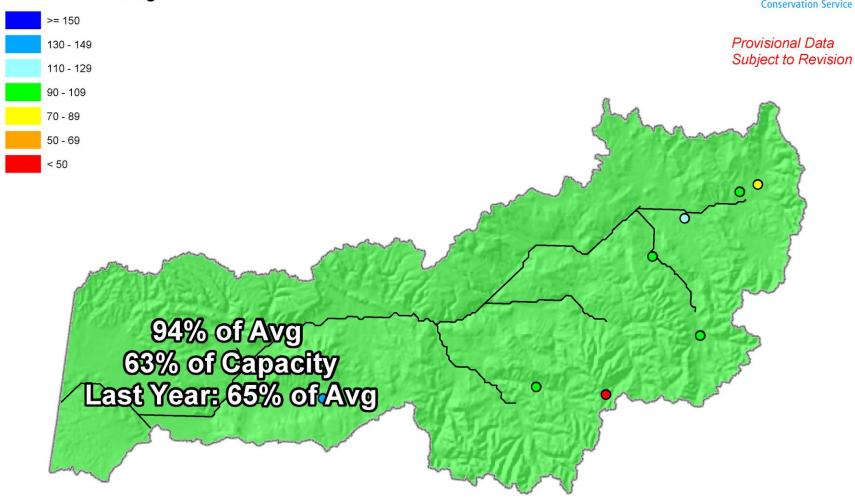
Median

Maximum

Colorado River Basin Reservoir Storage Map

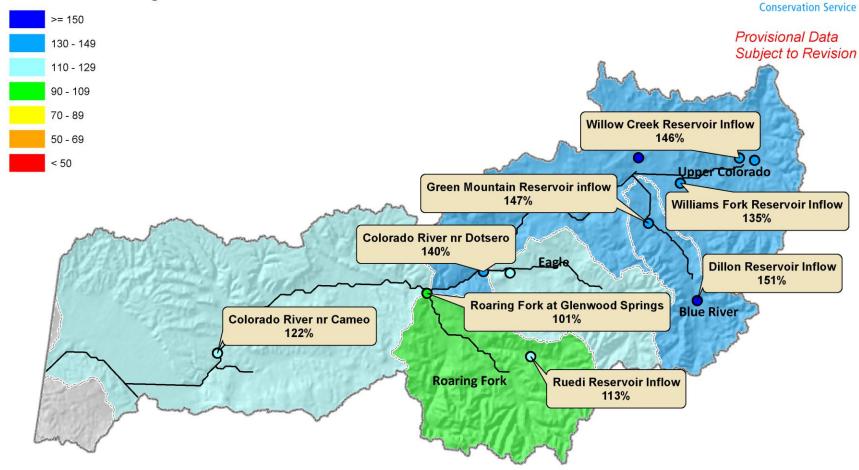


Percent of Average

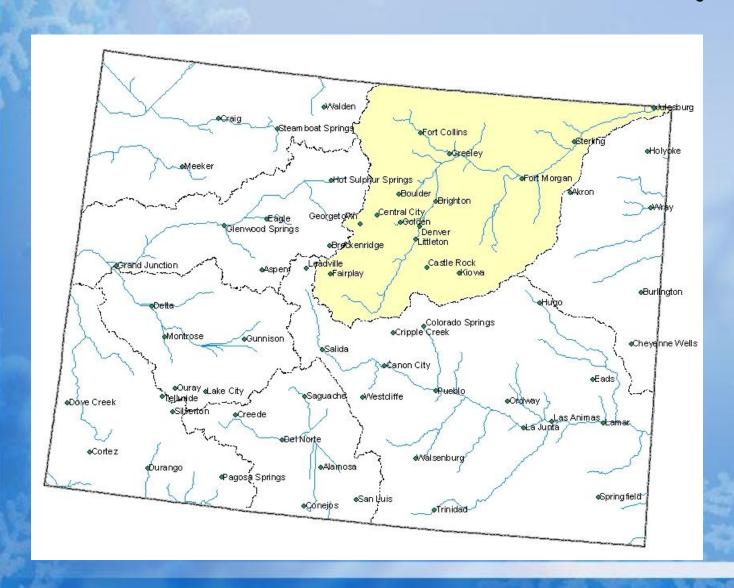


Colorado River Basin Streamflow Forecast Map Percent of Average



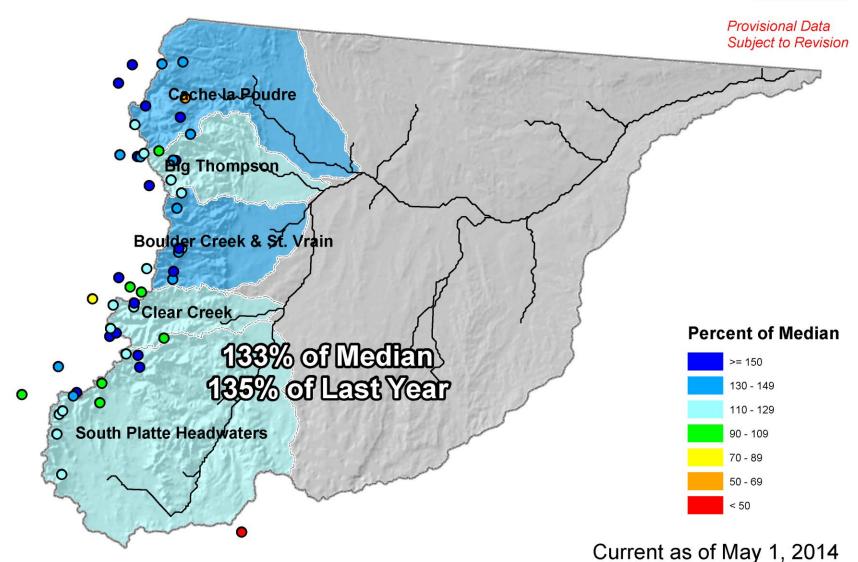


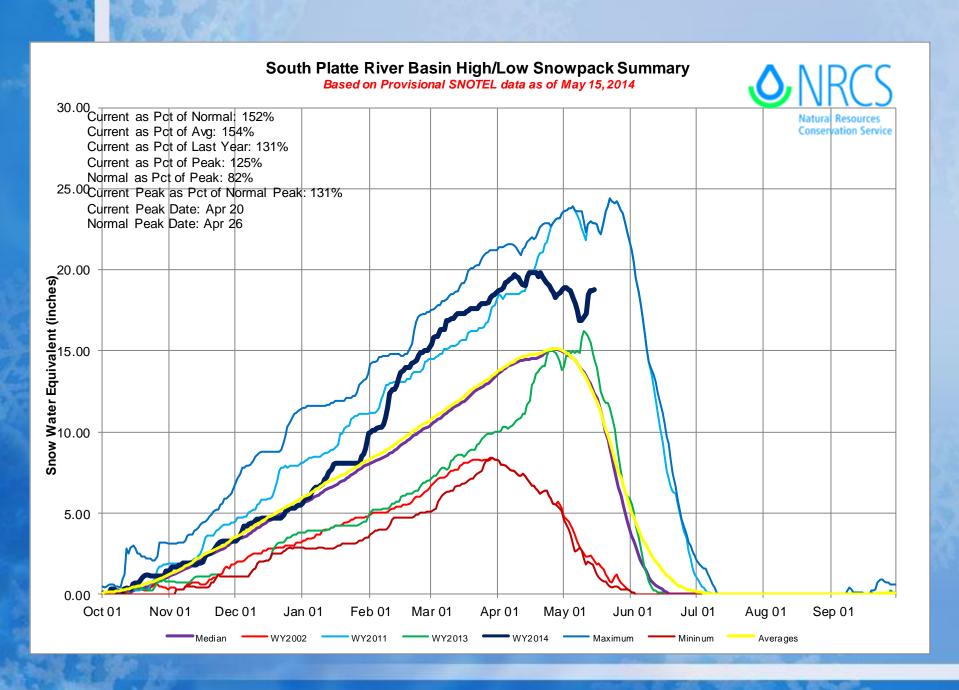
South Platte River Basin Summary



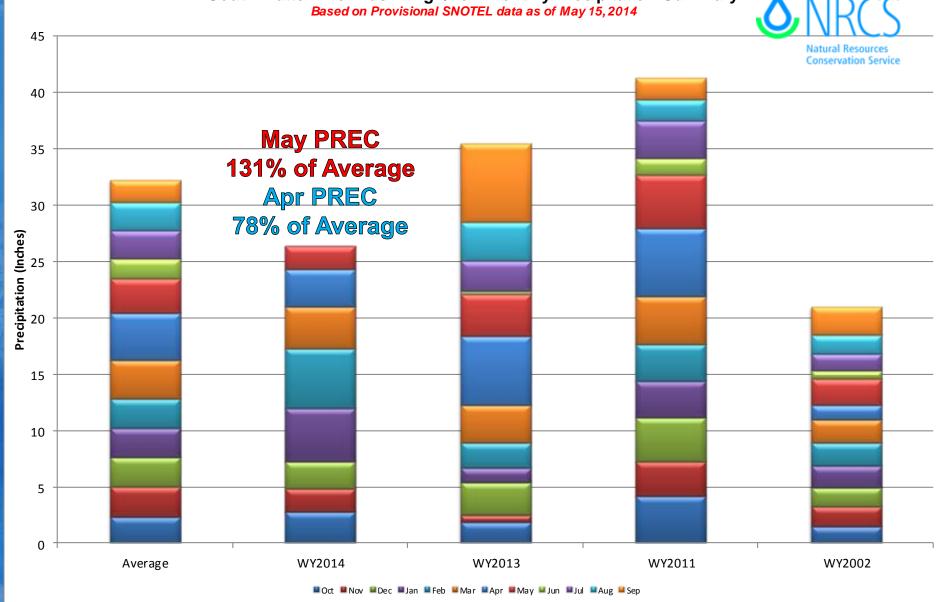
South Platte River Basin Snowpack Map







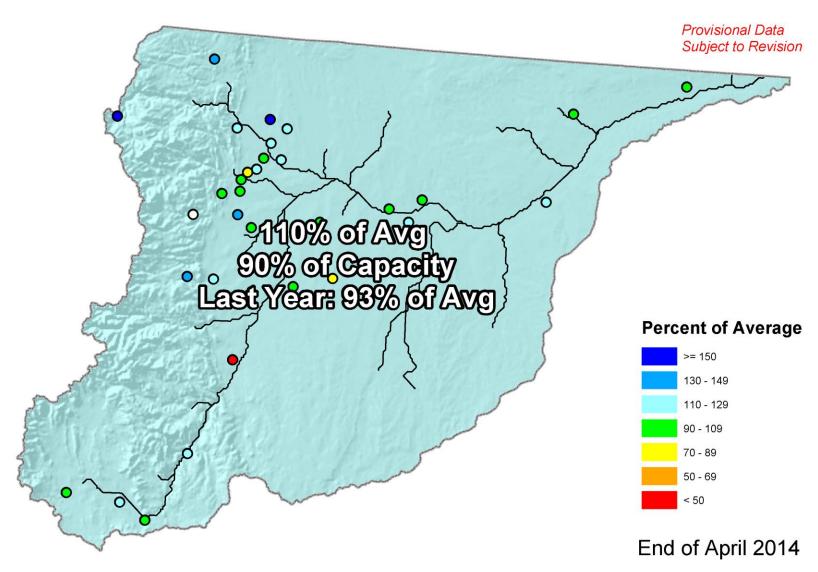
South Platte River Basin High/Low Monthly Precipitation Summary



South Platte River Basin High/Low Year-to-Date Precipitation Summary Based on Provisional SNOTEL data as of May 15, 2014 45.0 Current as Pct of Average: 120% Conservation Service Current as Pct of Median: 120% Current as Pct of Last Year: 125% 40.0 Current as Pct of Average Annnual Total: 82% Average as Pct of Average Annual Total: 68% Pct of Avg Needed to Reach Avg Annual Total: 57% 35.0 30.0 Precipitation (inches) 25.0 20.0 Year-to-Date 15.0 10.0 5.0 Oct 01 Nov 01 Dec 01 Jan 01 Feb 01 Mar 01 Jul 01 Sep 01 Apr 01 May 01 Jun 01 Aug 01 WY2013 WY2002 WY2011 WY2014

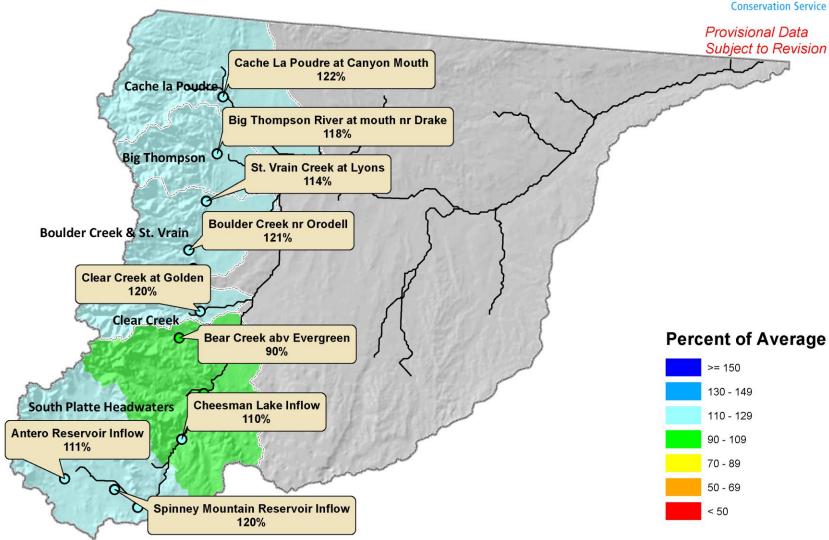
South Platte River Basin Reservoir Storage Map





South Platte River Basin Streamflow Forecast Map

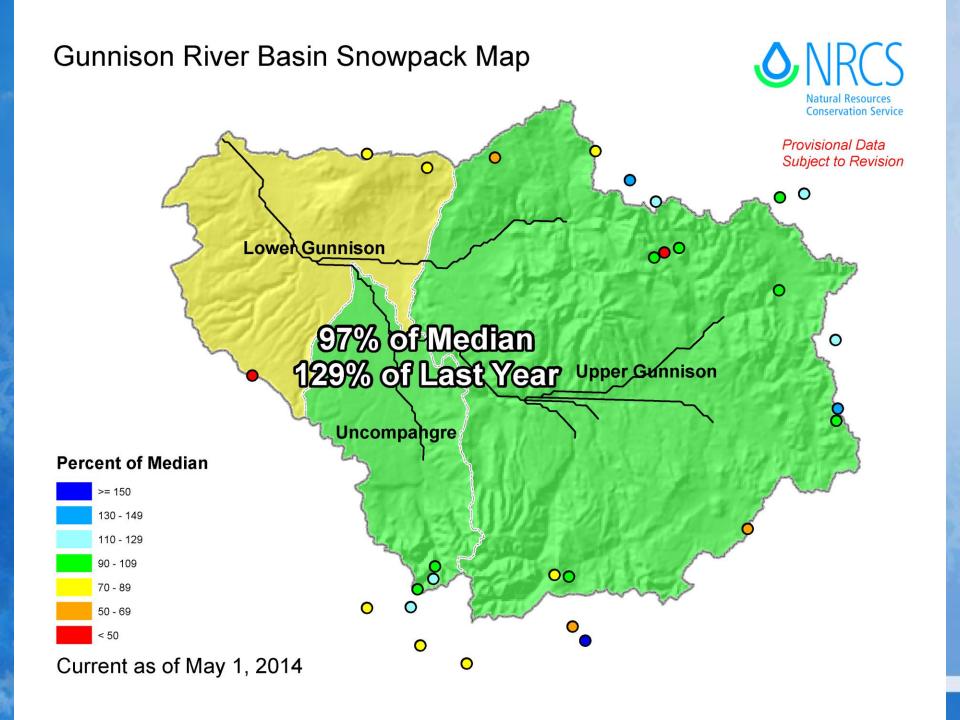


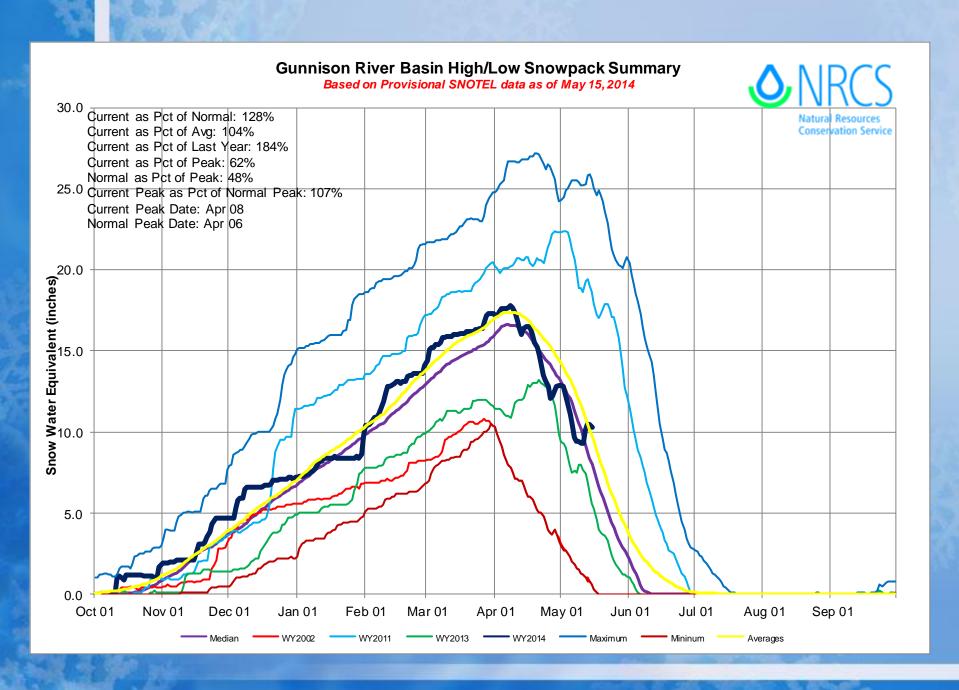


Current as of May 1, 2014

Gunnison River Basin Summary



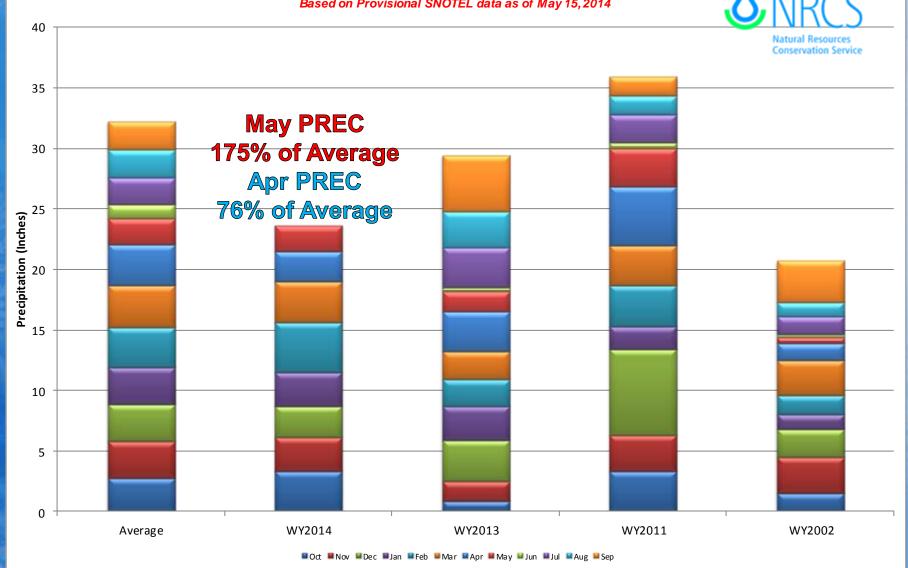




Gunnison River Basin High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of May 15, 2014





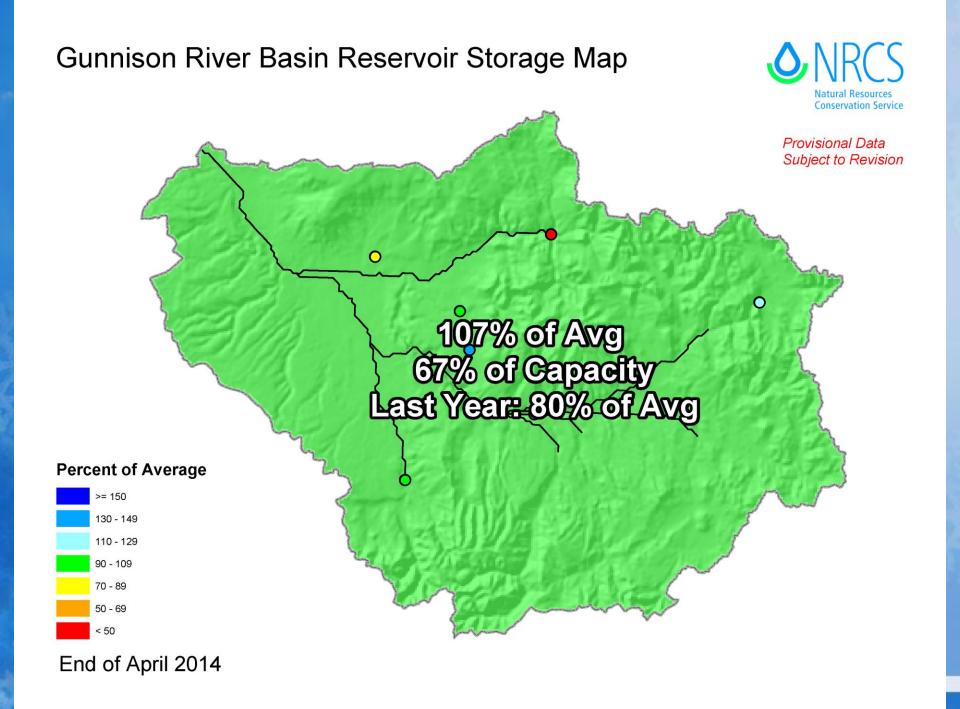
Gunnison River Basin High/Low Year-to-Date Precipitation Summary Based on Provisional SNOTEL data as of May 15, 2014 50.0 Current as Pct of Average: 102% Conservation Service Current as Pct of Median: 105% Current as Pct of Last Year: 131% 45.0 current as Pct of Average Annnual Total: 73% Average as Pct of Average Annual Total: 72% Pct of Avg Needed to Reach Avg Annual Total: 96% 40.0 35.0 Year-to-Date Precipitation (inches) 30.0 25.0 20.0 15.0 10.0 5.0 Oct 01 Nov 01 Dec 01 Jan 01 Feb 01 Mar 01 Jul 01 Sep 01 Apr 01 May 01 Jun 01 Aug 01

WY2013

WY2014

WY2011

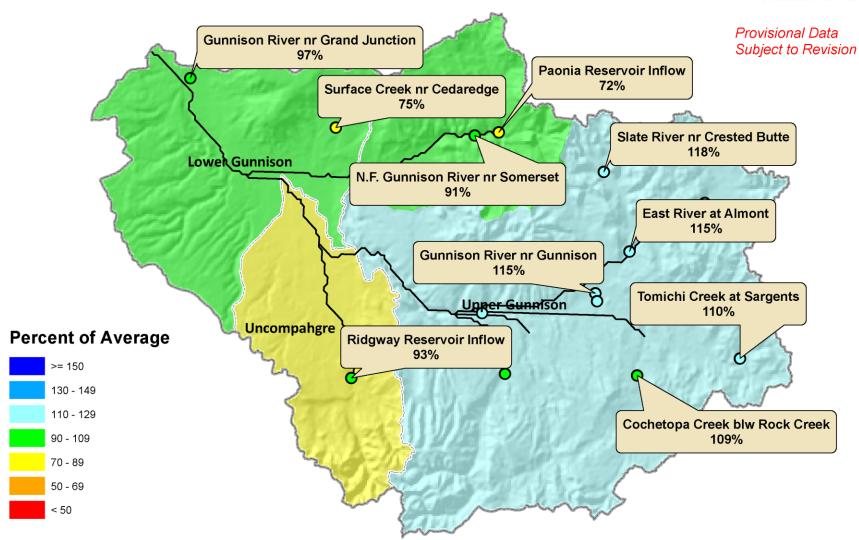
WY2002



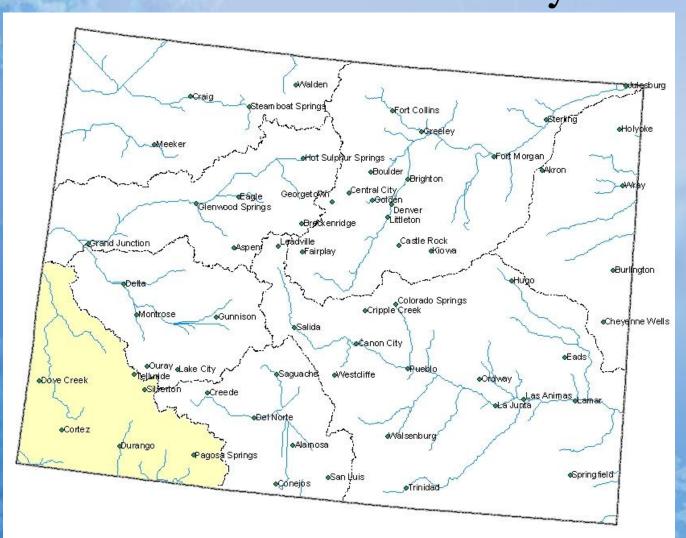
Gunnison River Basin Streamflow Forecast Map

Current as of May 1, 2014

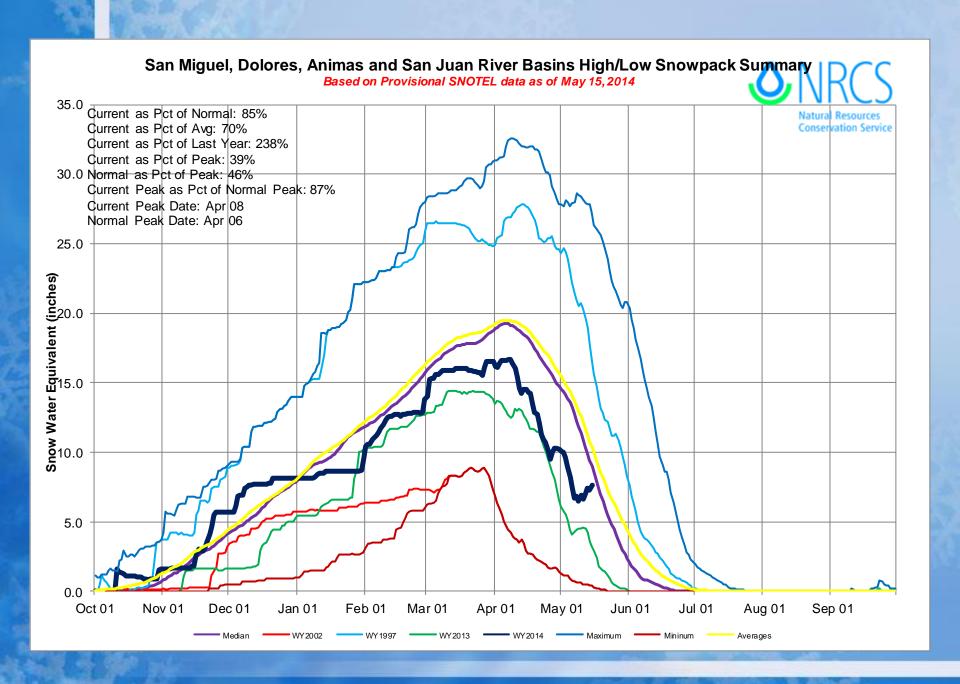


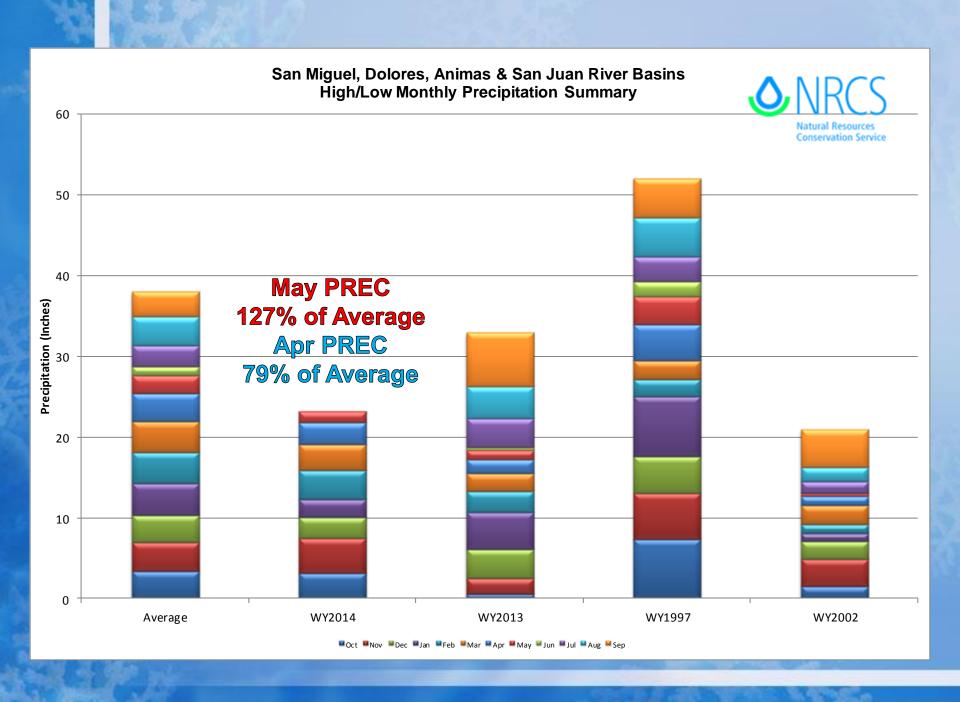


San Miguel, Dolores, Animas & San Juan River Basins Summary



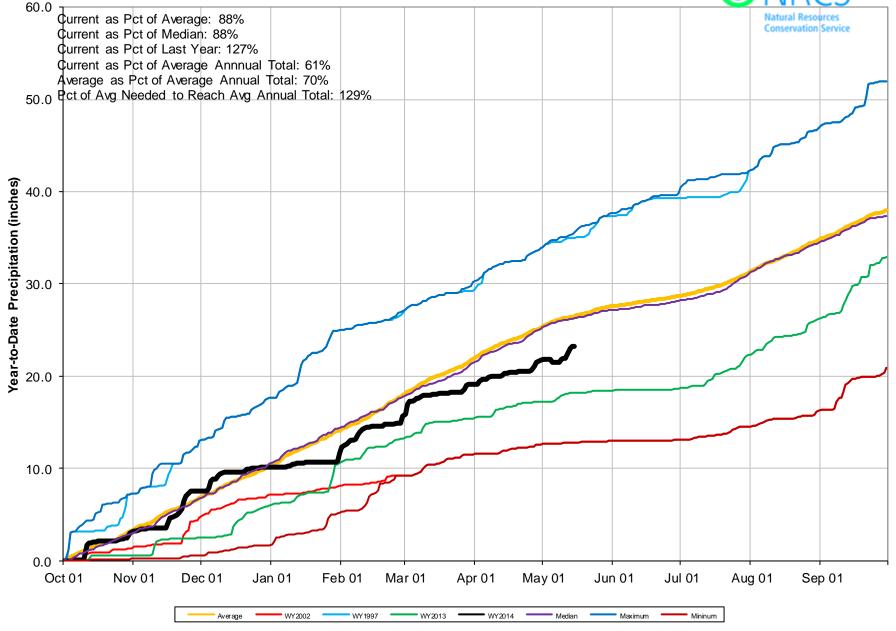
San Miguel, Dolores, Animas and San Juan River Basins Snowpack Map **Percent of Median** >= 150 Provisional Data 130 - 149 Subject to Revision 110 - 129 90 - 109 70 - 8950 - 69 < 50 San Miguel 000 **Dolores** 68% of Median 148% of Last Year Animaso **Mancos** San Juan La Plata Current as of May 1, 2014





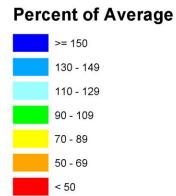
San Miguel, Dolores, Animas & San Juan River Basins **High/Low Year-to-Date Precipitation Summary**

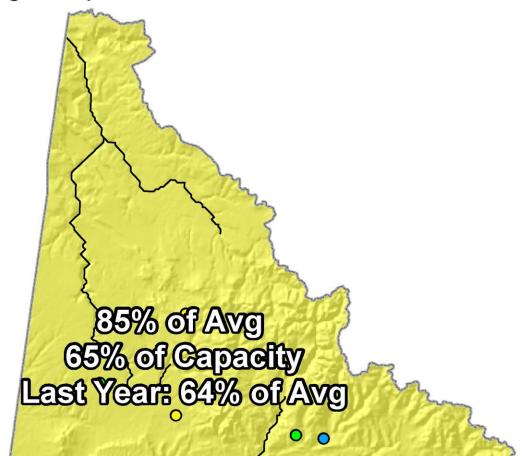
Based on Provisional SNOTEL data as of May 15, 2014 Current as Pct of Average: 88% Conservation Service



San Miguel, Dolores, Animas and San Juan River Basins

Reservoir Storage Map



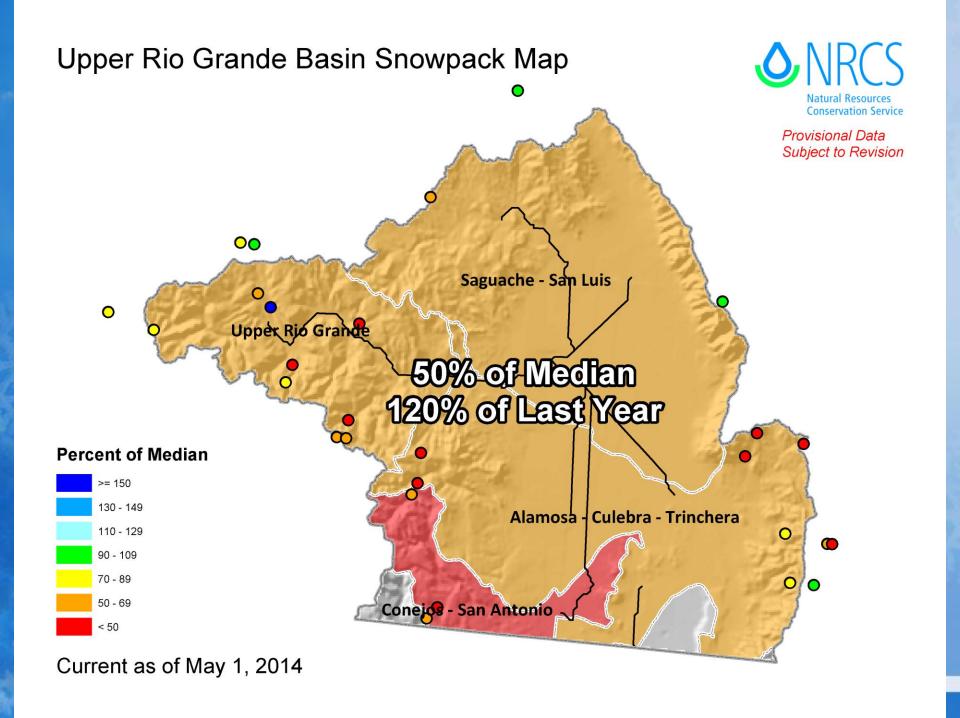




Provisional Data Subject to Revision San Miguel, Dolores, Animas and San Juan River Basins, Streamflow Forecast Map **Percent of Average** >= 150 Dolores 130 - 149 Provisional Data Subject to Revision 110 - 129 90 - 109 70 - 89 50 - 69 < 50 San Miguel McPhee Reservoir Inflow 68% Mancos River nr Mancos **Dolores River at Dolores** 43% 76% Lemon Reservoir Inflow 77% Animas La Plata Mancos Piedra River nr Arboles San Juan 64% **Animas River at Durango** 83% San Juan River nr Carracus 57% Current as of May 1, 2014

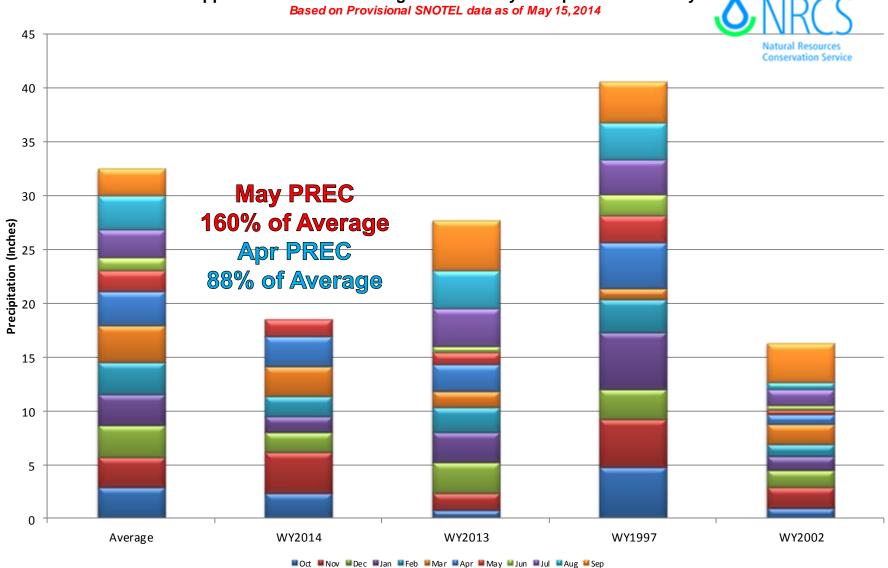
Upper Rio Grande Basin Summary





Upper Rio Grande Basin High/Low Snowpack Summary Based on Provisional SNOTEL data as of May 15, 2014 25 Current as Pct of Normal: 63% Current as Pct of Avg: 57% Conservation Service Current as Pct of Last Year: 218% Current as Pct of Peak: 32% Normal as Pct of Peak: 50% Current Peak as Pct of Normal Peak: 83% Current Peak Date: Mar 28 Normal Peak Date: Apr 10 Snow Water Equivalent (inches) 5 Oct 01 Nov 01 May 01 Jun 01 Jul 01 Sep 01 Dec 01 Jan 01 Feb 01 Mar 01 Apr 01 Aug 01 Median WY2002 Maximum. Averages

Upper Rio Grande Basin High/Low Monthly Precipitation Summary



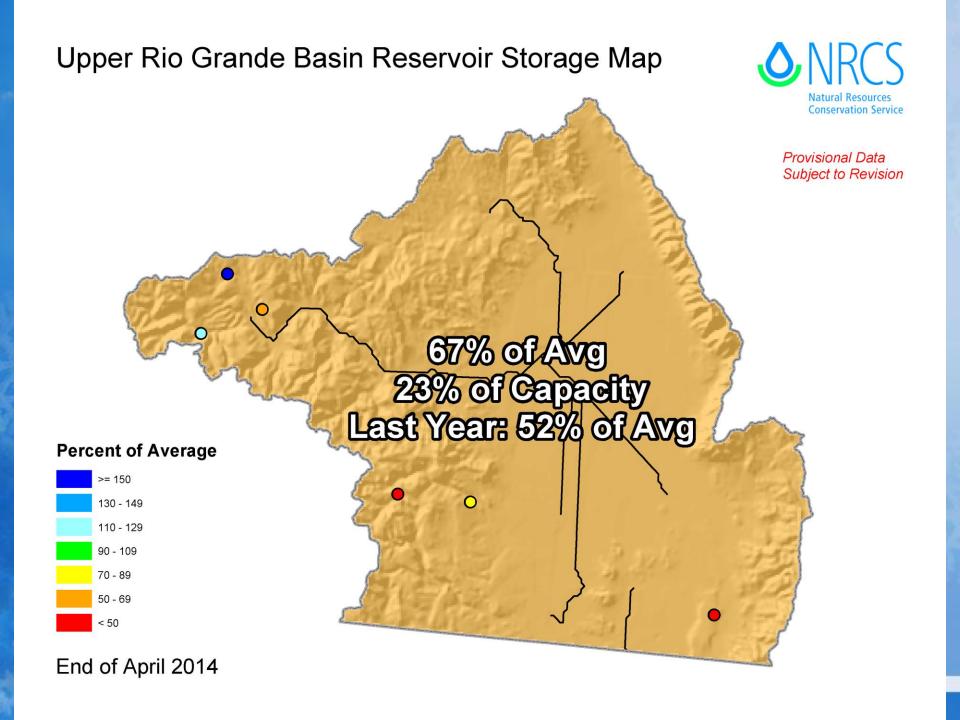
Upper Rio Grande Basin High/Low Year-to-Date Precipitation Summary Based on Provisional SNOTEL data as of May 15, 2014 current as Pct of Average: 84% Conservation Service Current as Pct of Median: 83% Current as Pct of Last Year: 123% 45.0 current as Pct of Average Annnual Total: 57% Average as Pct of Average Annual Total: 68% Pct of Avg Needed to Reach Avg Annual Total: 134% 40.0 Year-to-Date Precipitation (inches) 15.0 10.0 5.0 Oct 01 Nov 01 Dec 01 Jan 01 Feb 01 Mar 01 Jun 01 Jul 01 Aug 01 Sep 01 Apr 01 May 01

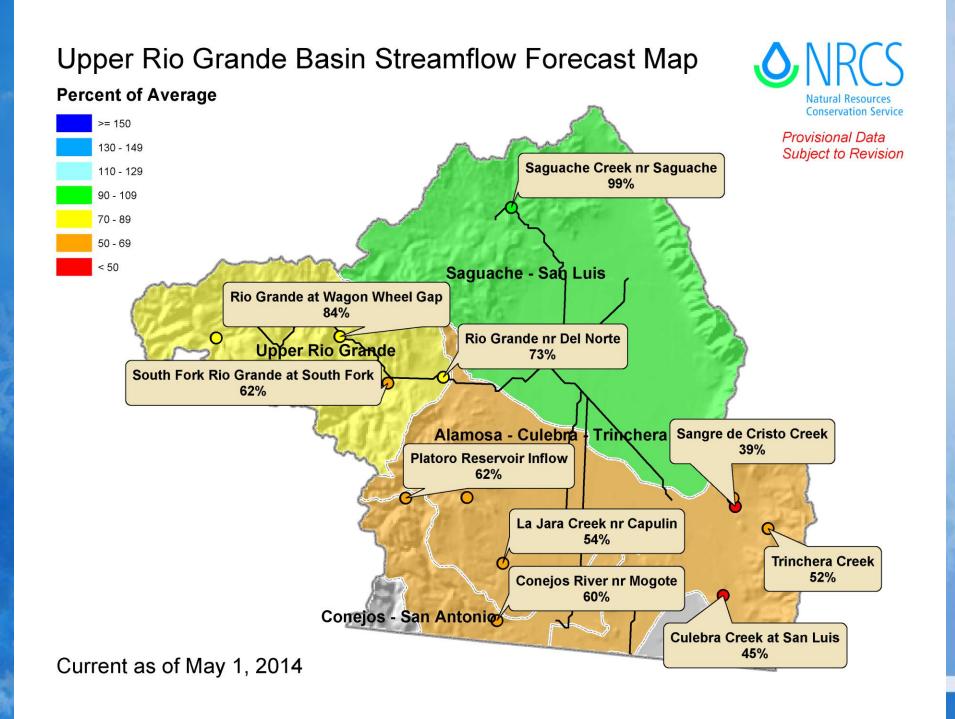
WY2013

WY2014

WY1997

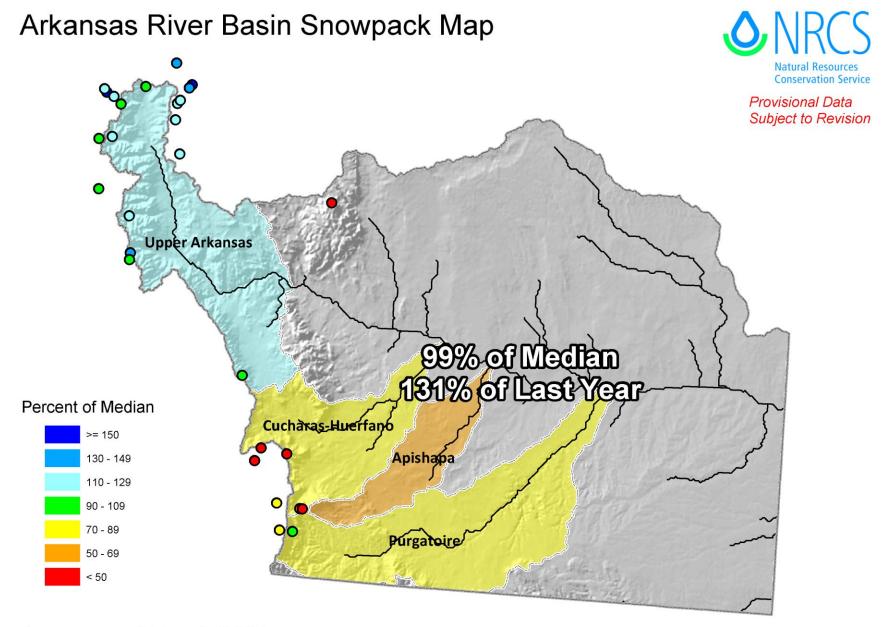
WY2002





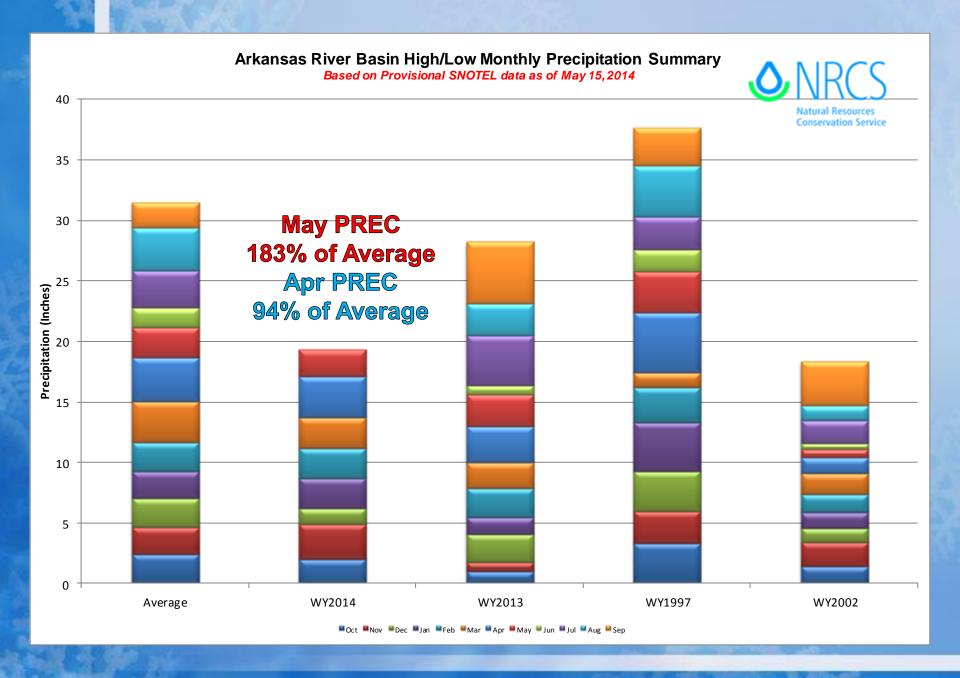
Arkansas River Basin Summary



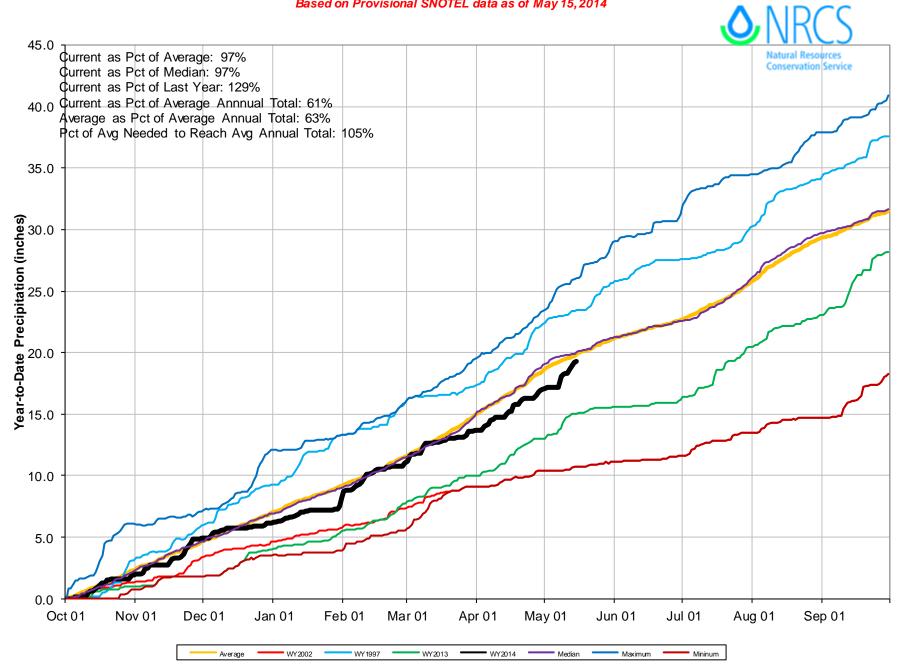


Current as of May 1, 2014

Arkansas River Basin High/Low Snowpack Summary Based on Provisional SNOTEL data as of May 15, 2014 25 Current as Pct of Normal: 113% Current as Pct of Avg: 106% Conservation Service Current as Pct of Last Year: 134% Current as Pct of Peak: 72% Normal as Pct of Peak: 64% Current Peak as Pct of Normal Peak: 108% Current Peak Date: Apr 17 Normal Peak Date: Apr 11 Snow Water Equivalent (inches) 5 Oct 01 Nov 01 May 01 Jun 01 Jul 01 Aug 01 Sep 01 Dec 01 Jan 01 Feb 01 Mar 01 Apr 01 Minin um Median WY2002 Averages

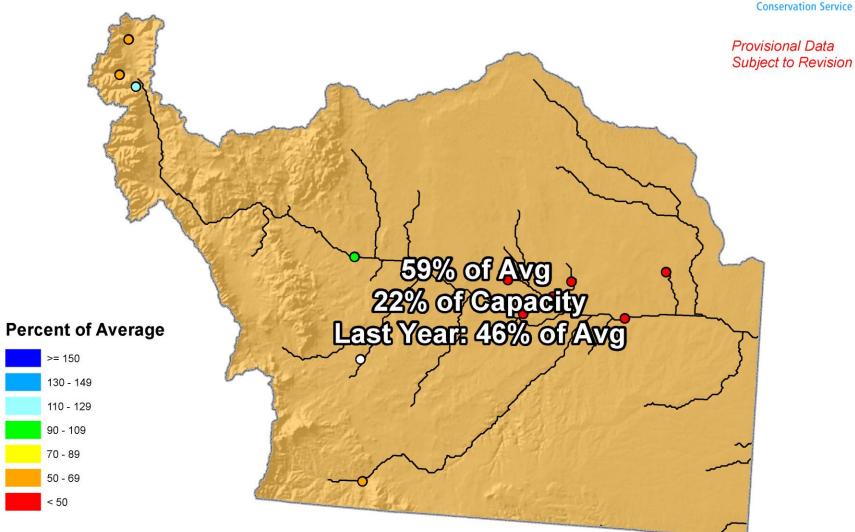


Arkansas River Basin High/Low Year-to-Date Precipitation Summary Based on Provisional SNOTEL data as of May 15, 2014



Arkansas River Basin Reservoir Storage Map

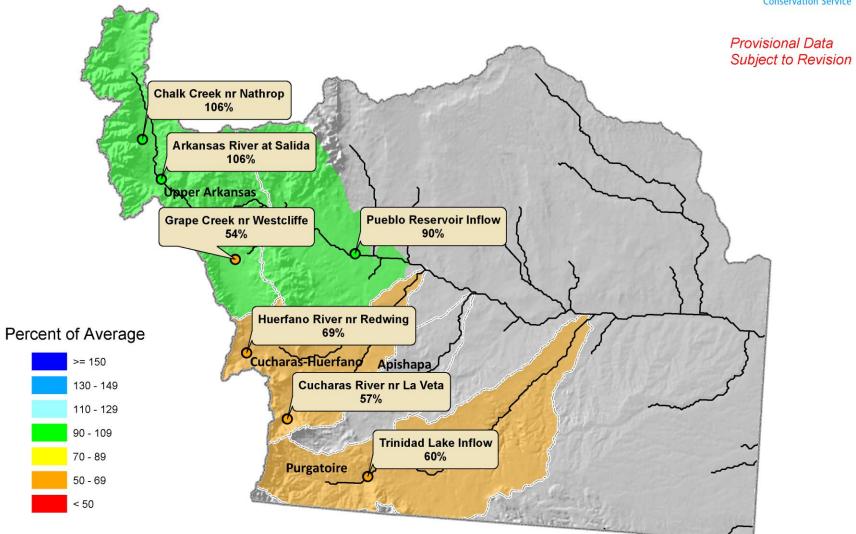




End of April 2014

Arkansas River Basin Streamflow Forecast Map





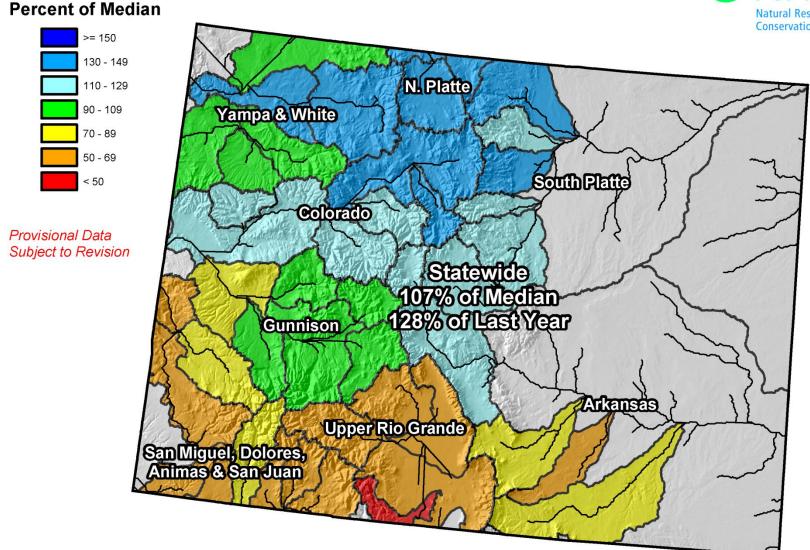
Current as of May 1, 2014

Colorado Statewide Summary



Colorado Snowpack Map



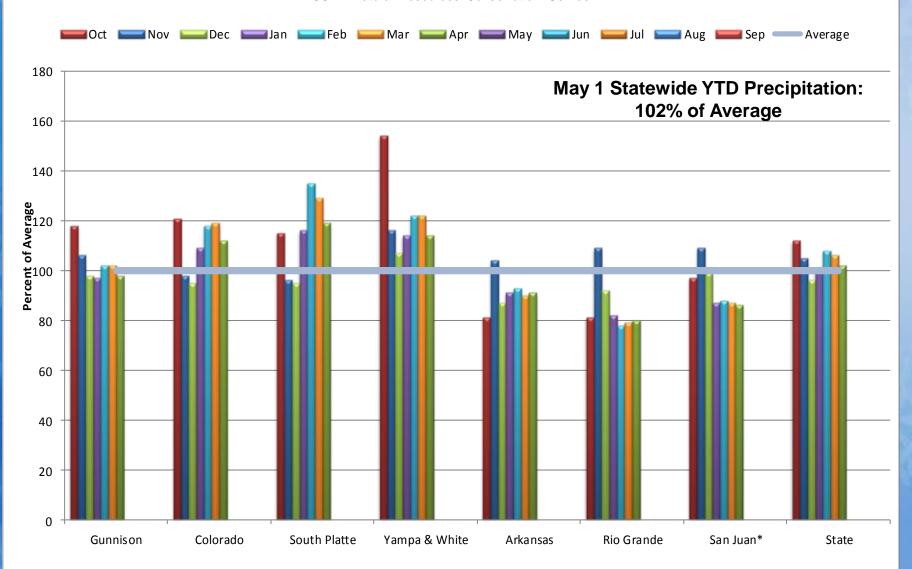


Current as of May 1, 2014

Colorado Statewide High/Low Snowpack Summary Based on Provisional SNOTEL data as of May 15, 2014 Current as Pct of Normal: 130% Current as Pct of Avg: 119% Conservation Service Current as Pct of Last Year: 166% Current as Pct of Peak: 75% Normal as Pct of Peak: 57% Current Peak as Pct of Normal Peak: 115% Current Peak Date: Apr 08 Normal Peak Date: Apr 09 Snow Water Equivalent (inches) 5 Oct 01 May 01 Jun 01 Jul 01 Aug 01 Sep 01 Nov 01 Dec 01 Jan 01 Feb 01 Mar 01 Apr 01 Median WY2002 Averages

Colorado Year-to-Date Precipitation Summary for WY2014

USDA Natural Resources Conservation Service

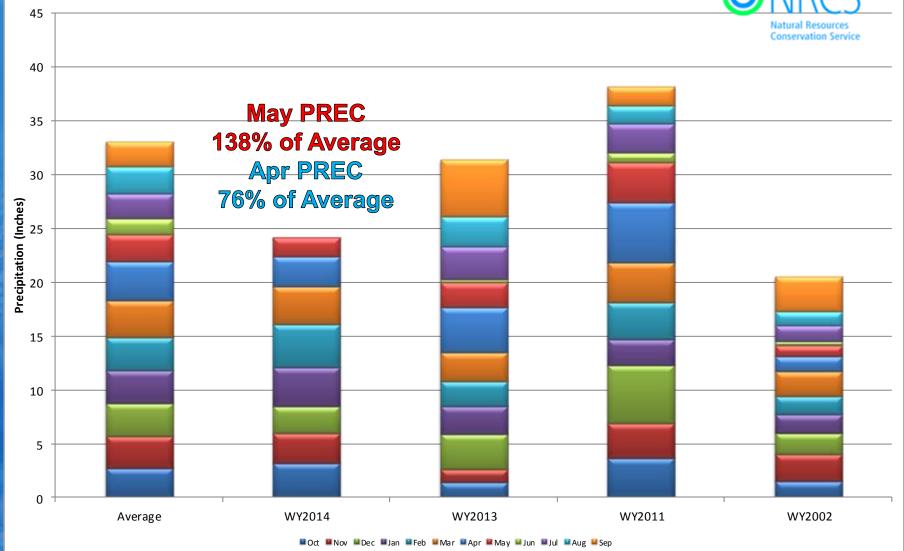


*Includes Animas, Dolores, San Miguel Basins

Colorado Statewide High/Low Monthly Precipitation Summary

Based on Provisional SNOTEL data as of May 15, 2014





Colorado Statewide High/Low Year-to-Date Precipitation Summary Based on Provisional SNOTEL data as of May 15, 2014 45.0 Current as Pct of Average: 104% Conservation Service Current as Pct of Median: 105% Current as Pct of Last Year: 125% 40.0 Current as Pct of Average Annnual Total: 73% Average as Pct of Average Annual Total: 70% Pct of Avg Needed to Reach Avg Annual Total: 91% 35.0 Year-to-Date Precipitation (inches)

70.0

70.0

90.0

90.0

10.0 10.0 5.0 0.0 Oct 01 Nov 01 Dec 01 Jan 01 Feb 01 Mar 01 Jun 01 Jul 01 Aug 01 Sep 01 Apr 01 May 01

WY2013

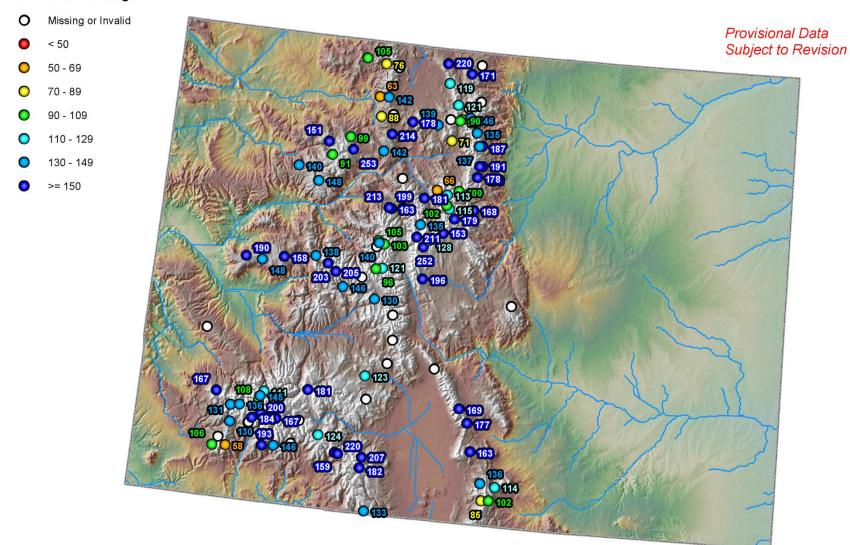
WY2014

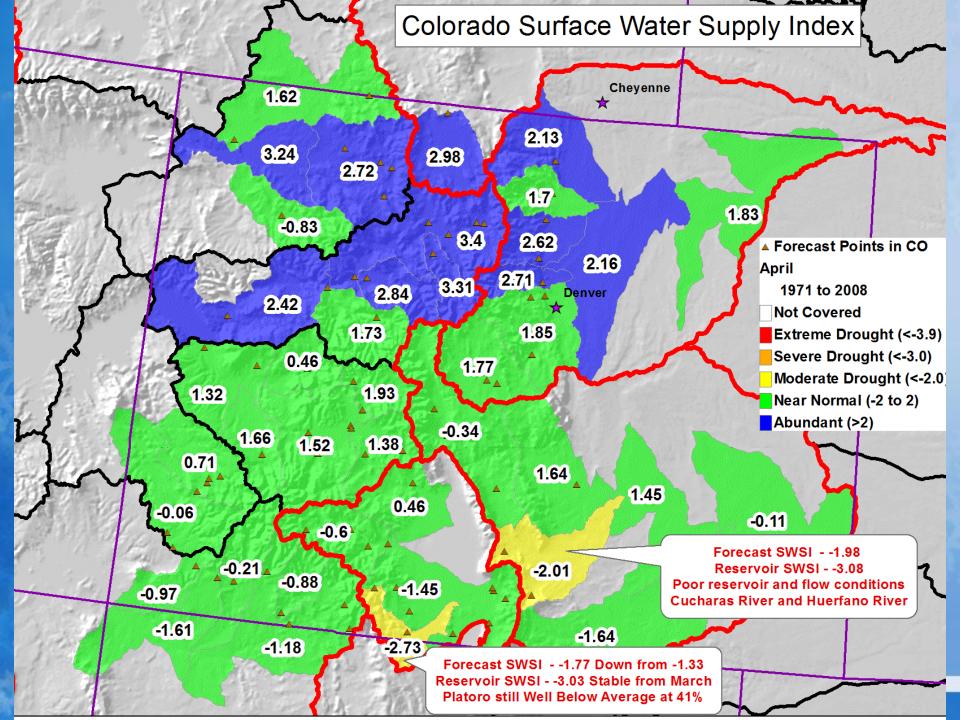
WY2011

WY2002

Colorado SNOTEL Month-to-Date Precipitation

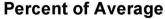
Percent of Average

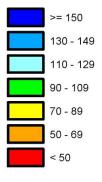




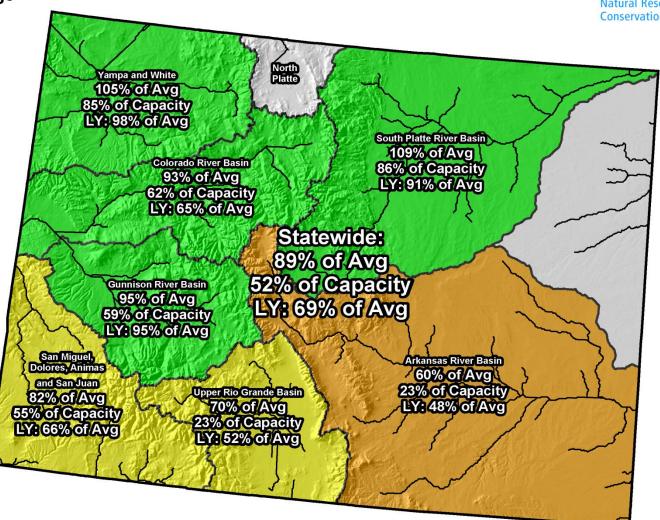
Colorado Reservoir Storage Map





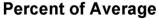


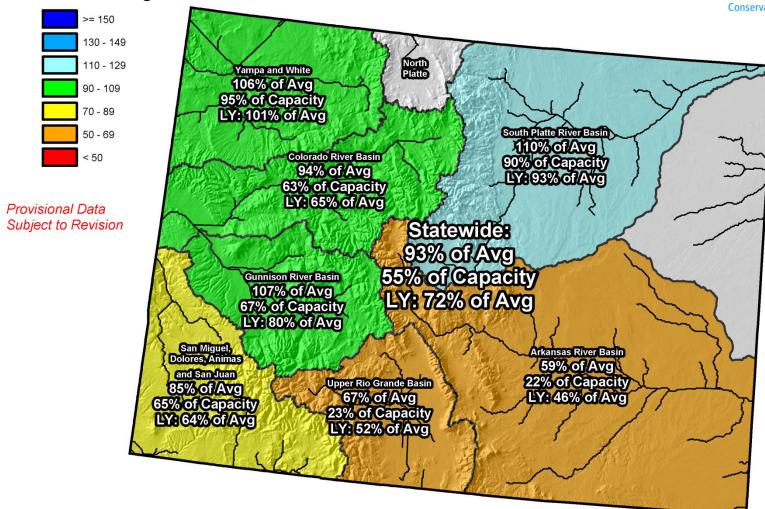
Provisional Data Subject to Revision



Colorado Reservoir Storage Map



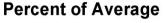


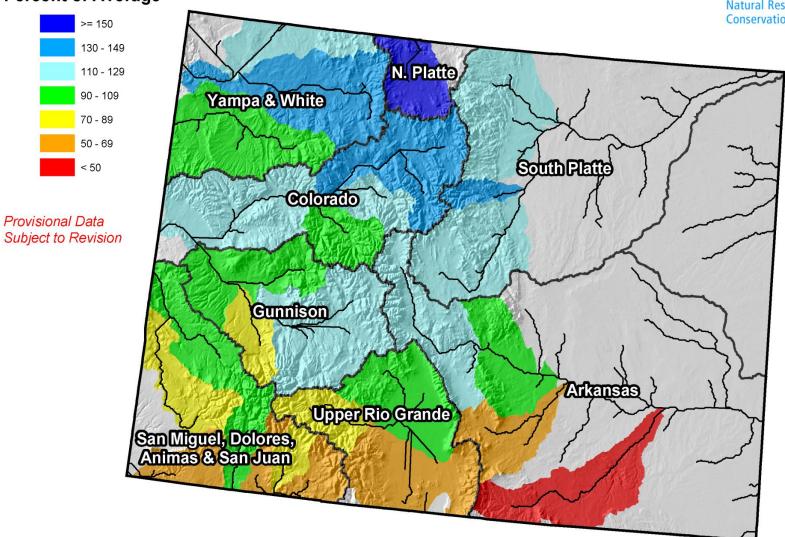


End of April 2014

Colorado Streamflow Forecast Map



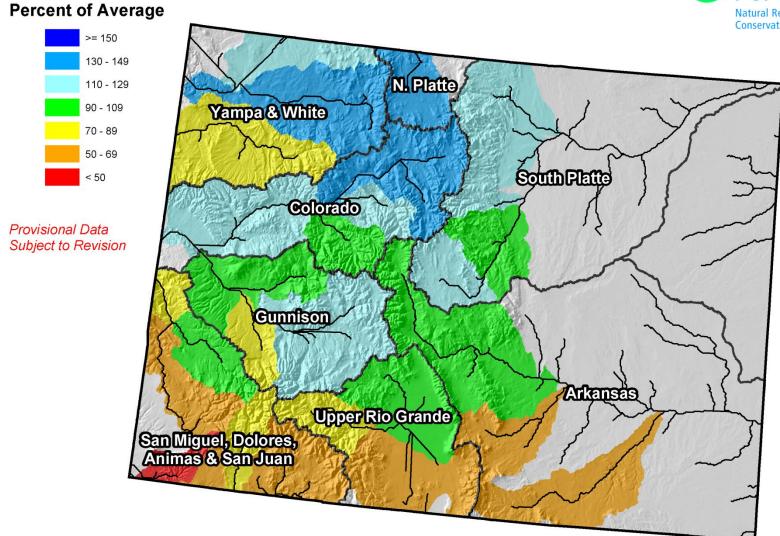




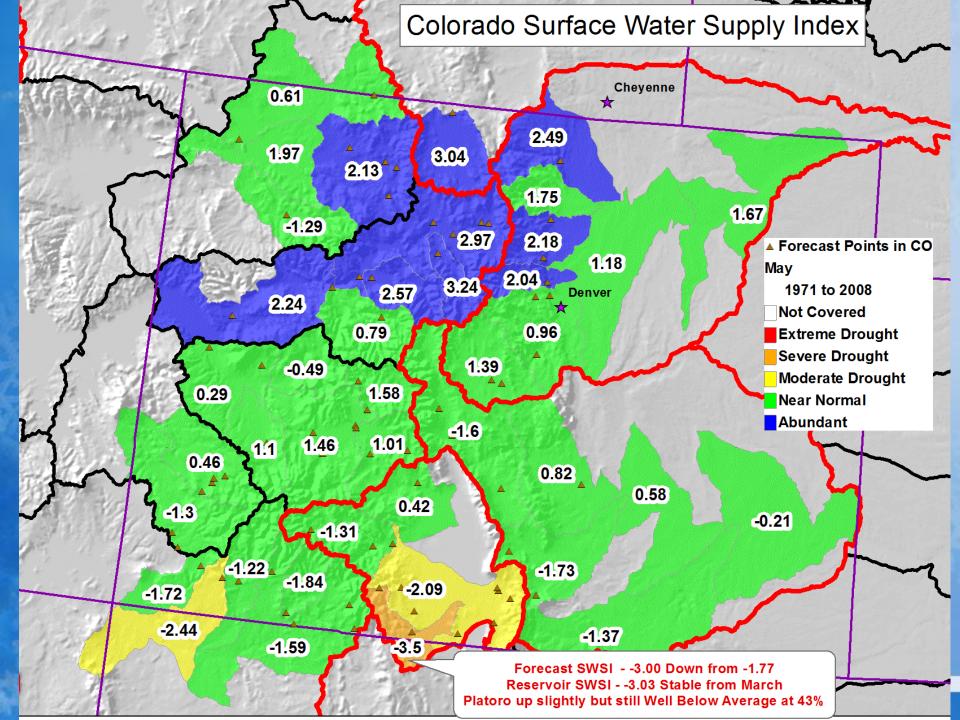
Current as of April 1, 2014

Colorado Streamflow Forecast Map





Current as of May 1, 2014



Summary

- •All basins saw a decline in snowpack percent of average thru April due in most part to above average snowmelt and partially to below average precipitation
- •Since mid-April snowmelt is tracking right at average statewide, which, in general, should enable consistent peak flow timing on par with similar snowpack peaks
- •As of May 1 of the 41 SWSIs in the state only three in are in the lower quartile. Ten are in the upper quartile. Very slight decline from last month
- •Variation among many parameters exists this month be sure to consult the Basin Outlook Report or our webpage for specifics

Water Availability Task Force Meeting May 16th, 2014

NRCS Snow Survey and Water Supply Forecasting Program

> Brian Domonkos Colorado Snow Survey Supervisor 720-544-2852

http://www.nrcs.usda.gov/wps/portal/nrcs/main/co/snow/