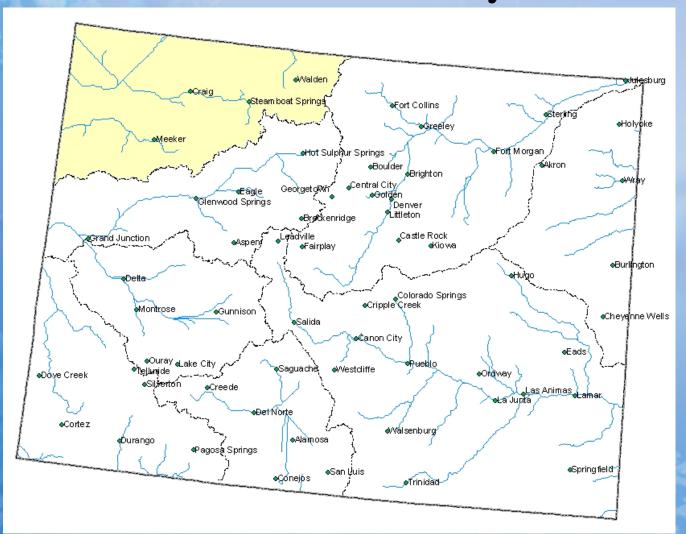
Water Availability Task Force Meeting June 18th, 2014

NRCS Snow Survey and Water Supply Forecasting Program

> Brian Domonkos Colorado Snow Survey Supervisor 303-524-2521

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

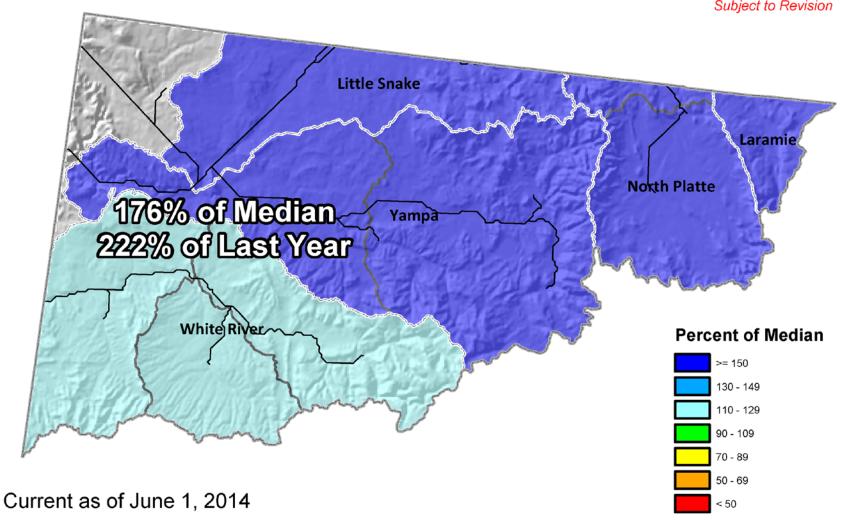
Yampa, White & North Platte River Basins Summary

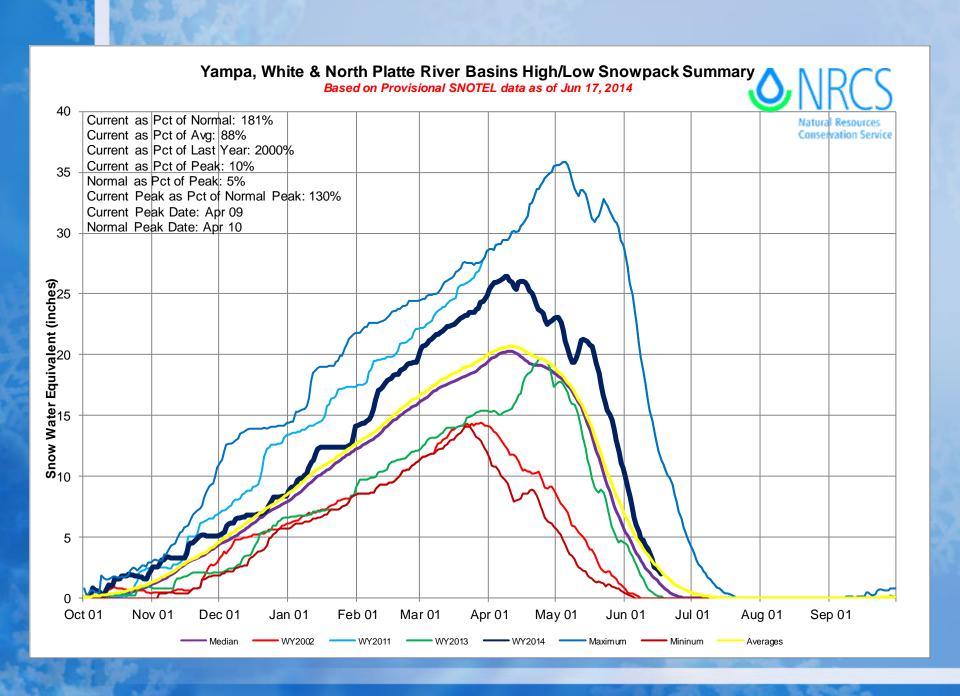


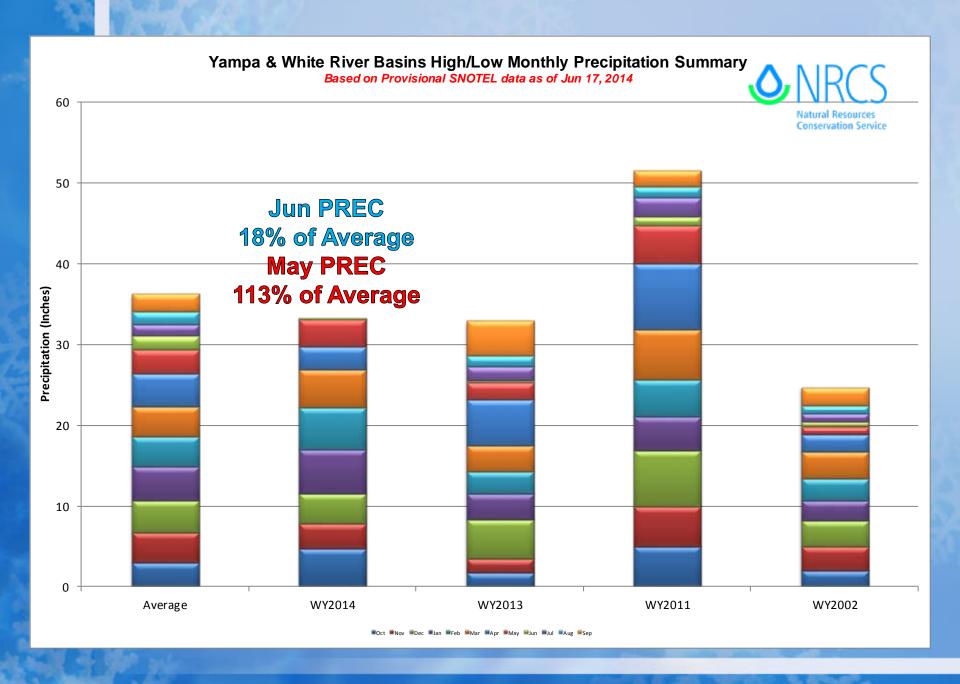
Yampa, White and North Platte River Basins Snowpack Map



Provisional Data Subject to Revision



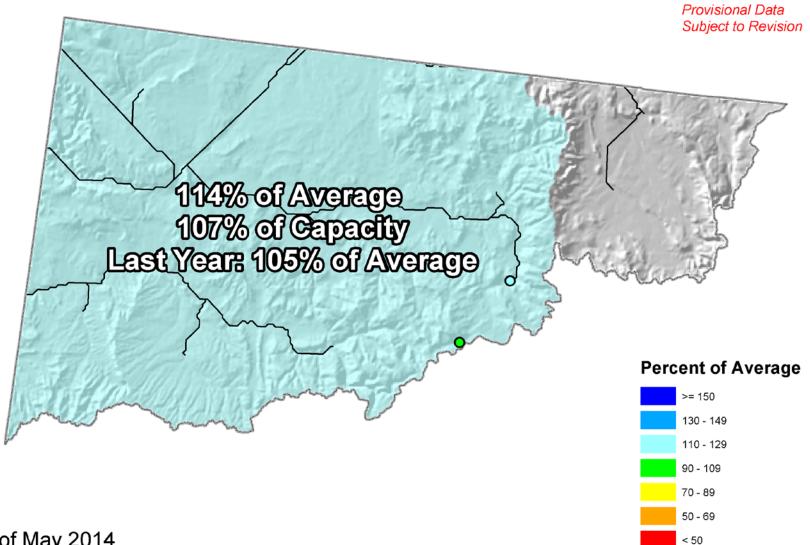




Yampa & White River Basins High/Low Year-to-Date Precipitation Summary Based on Provisional SNOTEL data as of Jun 17, 2014 60.0 Current as Pct of Average: 109% Conservation Service Current as Pct of Median: 109% Current as Pct of Last Year: 131% Current as Pct of Average Annnual Total: 92% Average as Pct of Average Annual Total: 84% Pct of Avg Needed to Reach Avg Annual Total: 51% 50.0 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 Apr 01 May 01 Jun 01 Jul 01 Aug 01 Sep 01 WY2011 WY2002 WY2013 WY2014

Yampa & White River Basins Reservoir Storage Map



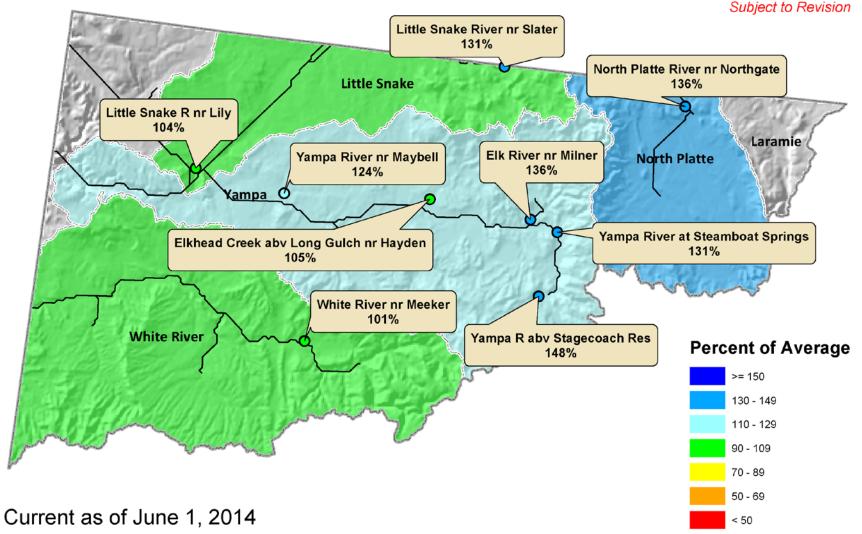


End of May 2014

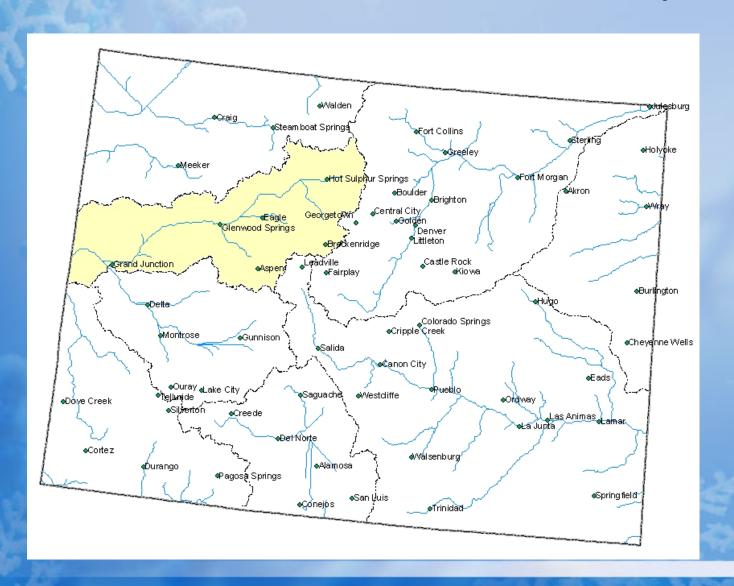
Yampa, White and North Platte River Basins Streamflow Map



Provisional Data
Subject to Revision



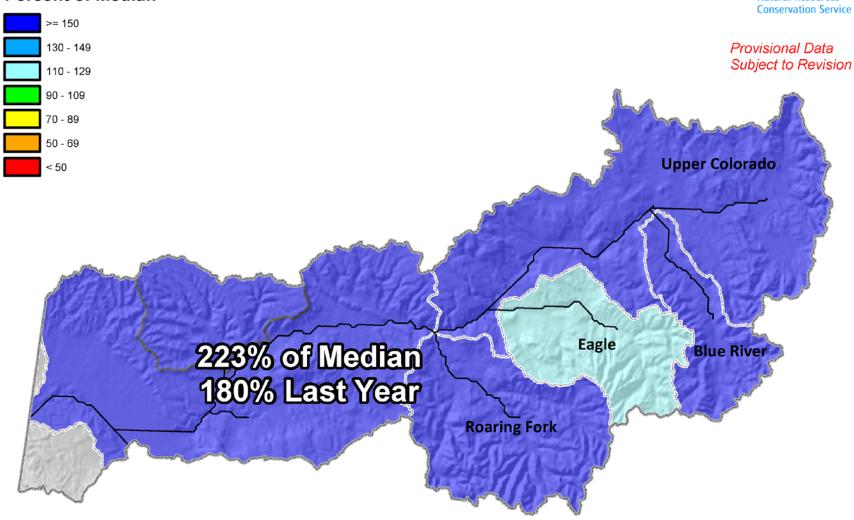
Colorado River Basin Summary



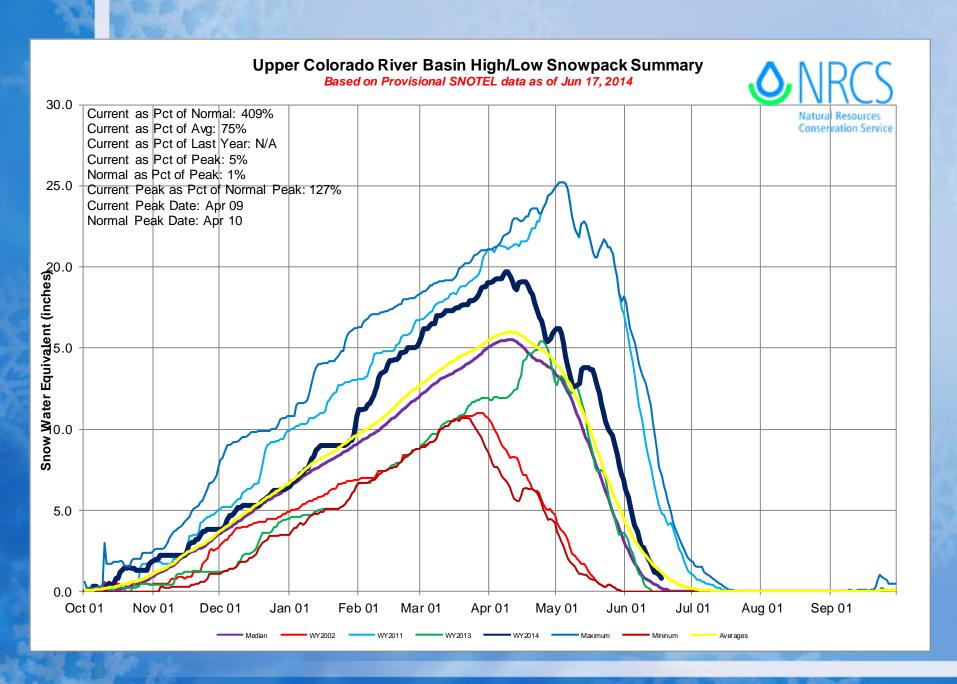
Colorado River Basin Snowpack Map



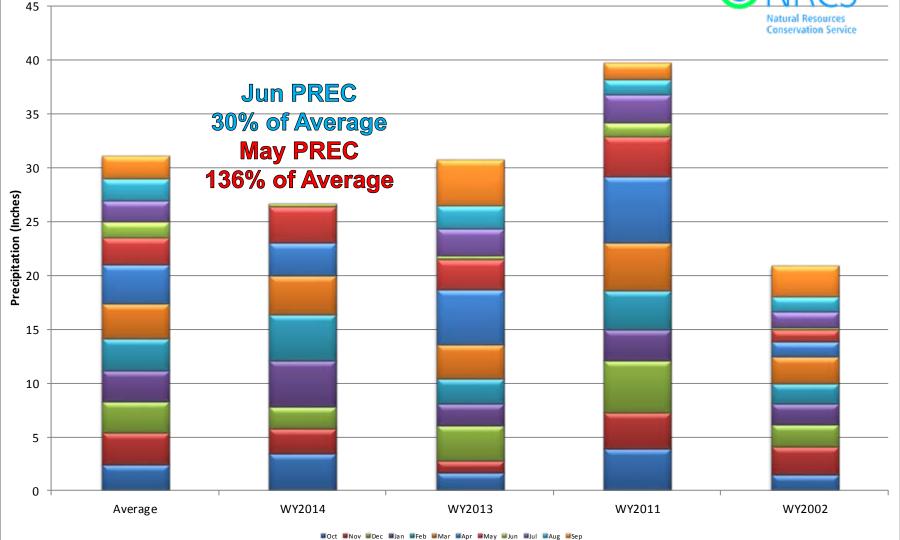




Current as of June 1, 2014







Upper Colorado River Basin High/Low Year-to-Date Precipitation Summary Based on Provisional SNOTEL data as of Jun 17, 2014 45.0 Current as Pct of Average: 109% Conservation Service Current as Pct of Median: 112% Current as Pct of Last Year: 124% Current as Pct of Average Annnual Total: 86% 40.0 Average as Pct of Average Annual Total: 79% Pct of Avg Needed to Reach Avg Annual Total: 67% 35.0 Year-to-Date Precipitation (inches) 10.0 5.0 Oct 01 Nov 01 Dec 01 Jan 01 Feb 01 Mar 01 Apr 01 May 01 Jun 01 Jul 01 Aug 01 Sep 01

WY2002

WY2011

WY2013

WY2014

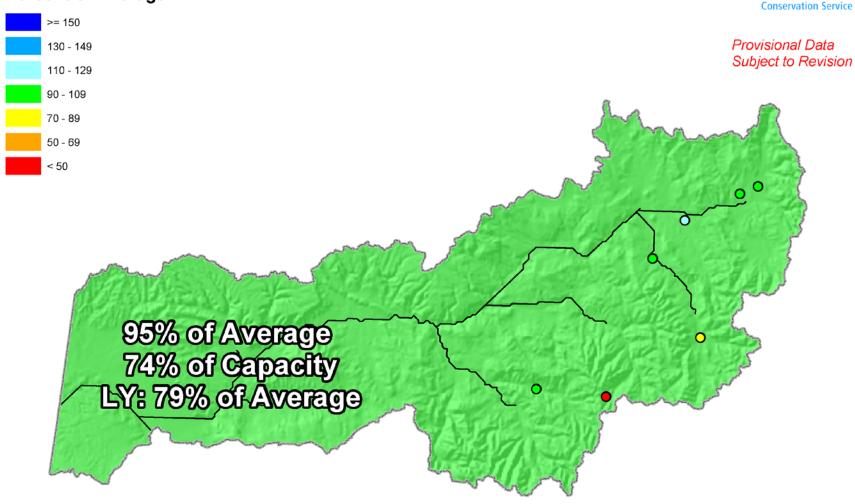
Median

Maximum

Colorado River Basin Reservoir Storage Map

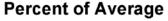


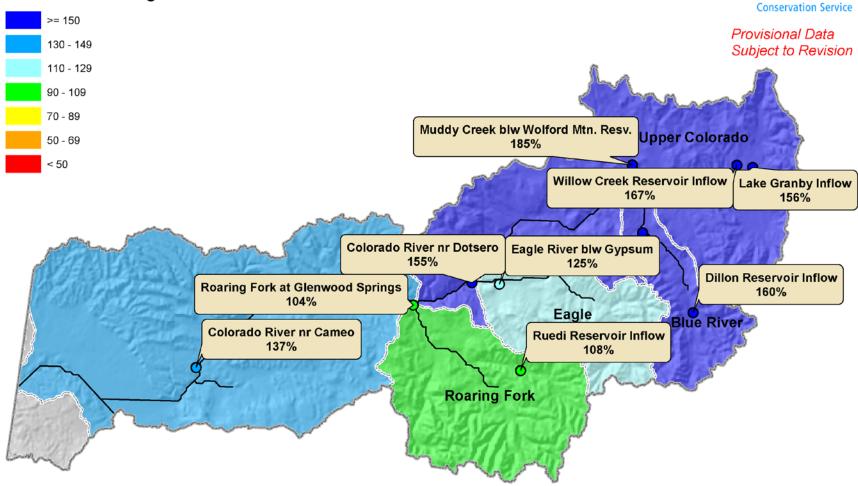
Percent of Average



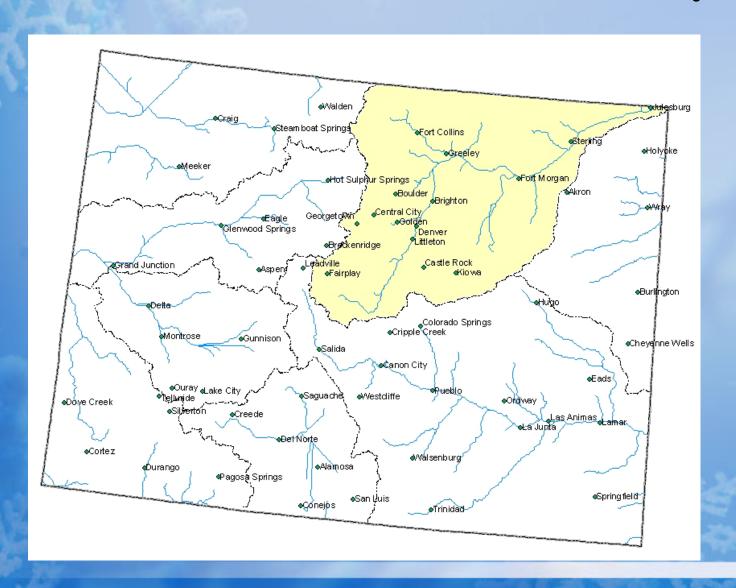
Colorado River Basin Streamflow Forecast Map

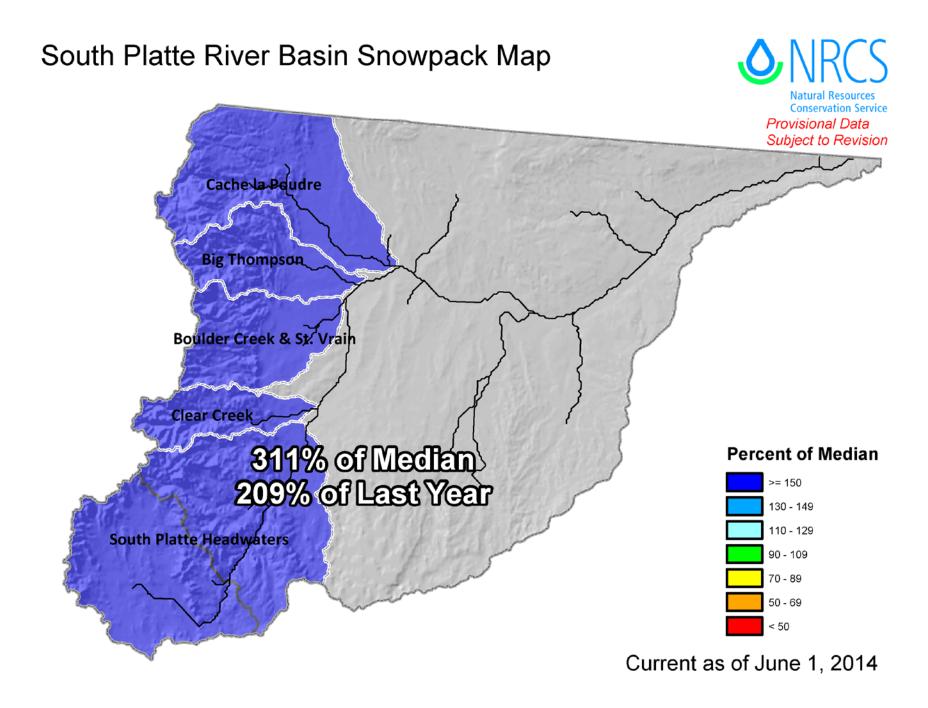


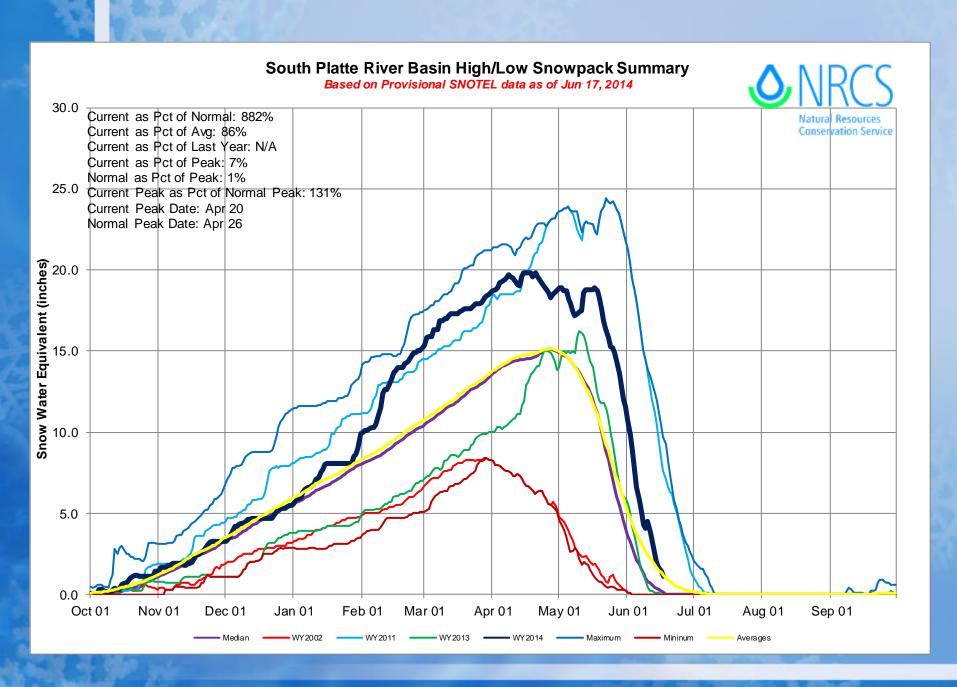




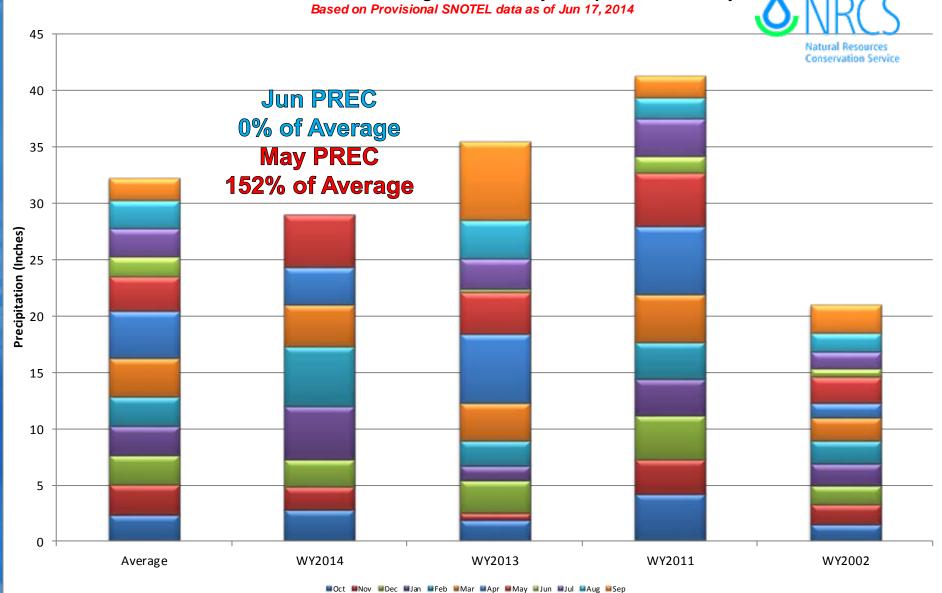
South Platte River Basin Summary







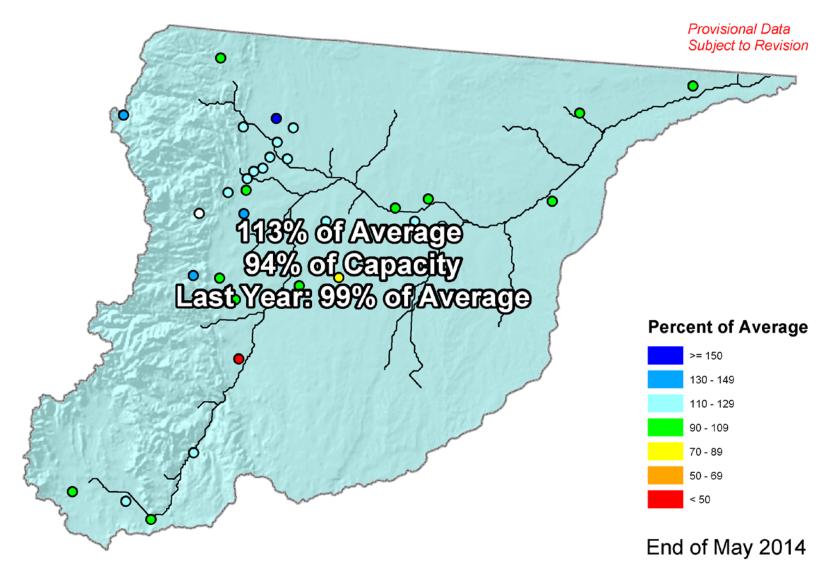




South Platte River Basin High/Low Year-to-Date Precipitation Summary Based on Provisional SNOTEL data as of Jun 17, 2014 45.0 Current as Pct of Average: 118% Conservation Service Current as Pct of Median: 118% Current as Pct of Last Year: 131% Current as Pct of Average Annnual Total: 90% 40.0 -Average as Pct of Average Annual Total: 76% Pct of Avg Needed to Reach Avg Annual Total: 42% 35.0 30.0 Year-to-Date Precipitation (inches) 25.0 20.0 15.0 10.0 5.0 0.0 Oct 01 Nov 01 Dec 01 Jan 01 Feb 01 Mar 01 Apr 01 May 01 Jun 01 Jul 01 Aug 01 Sep 01 WY2002 WY2011 WY2013 WY2014 Median Ave rage

South Platte River Basin Reservoir Storage Map





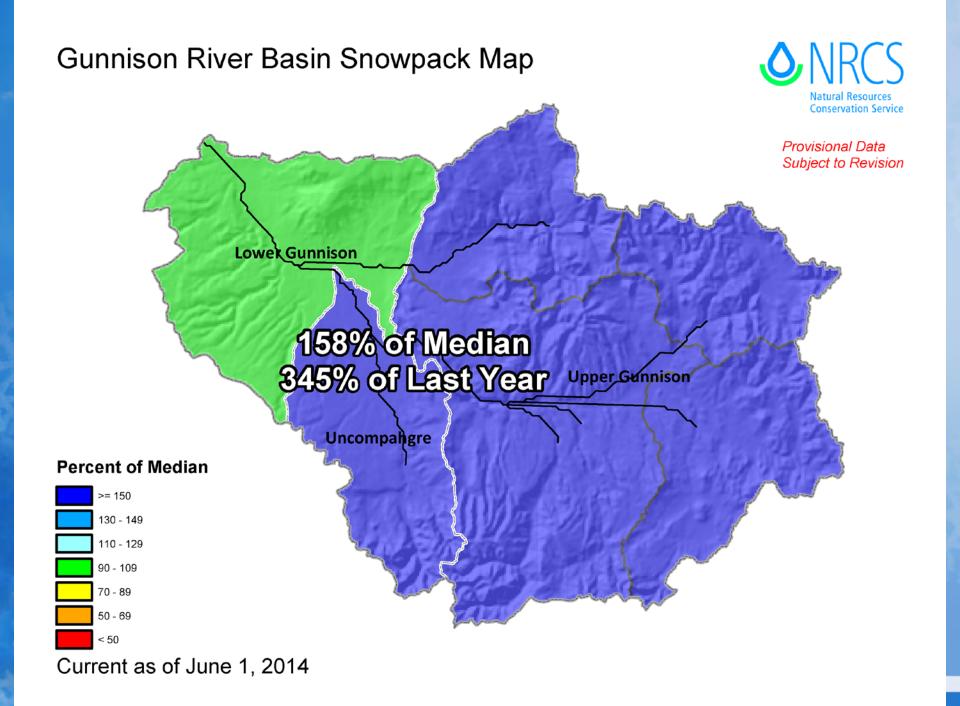
South Platte River Basin Streamflow Forecast Map **Conservation Service** Provisional Data Subject to Revision Cache La Poudre at Canyon Mouth 166% Cache la Poudre Big Thompson River at mouth nr Drake 134% Big Thompson St. Vrain Creek at Lyons 157% **Boulder Creek nr Orodell** Boulder Creek & St. Vrain 136% South Boulder nr Eldorado Spgs 150% **Clear Creek** Bear Creek abv Evergreen **Percent of Average** 99% >= 150 130 - 149 South Platte River at South Platte **South Platte Headwaters** 110 - 129 95% 90 - 109 Antero Reservoir Inflow 124% 70 - 89 Cheesman Lake Inflow 106% 50 - 69 < 50

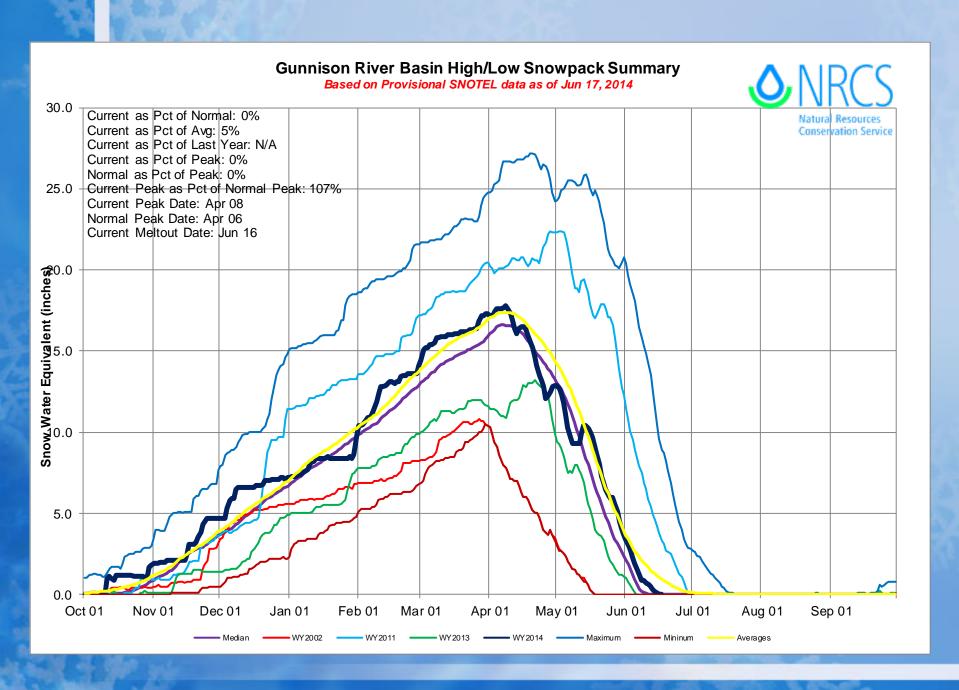
Elevenmile Canyon Reservoir Inflow 119%

Current as of June 1, 2014

Gunnison River Basin Summary

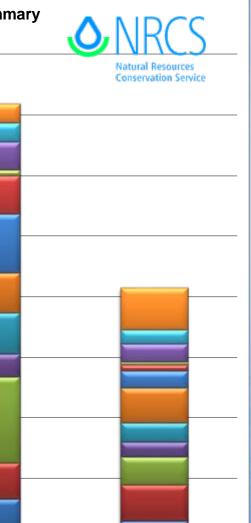


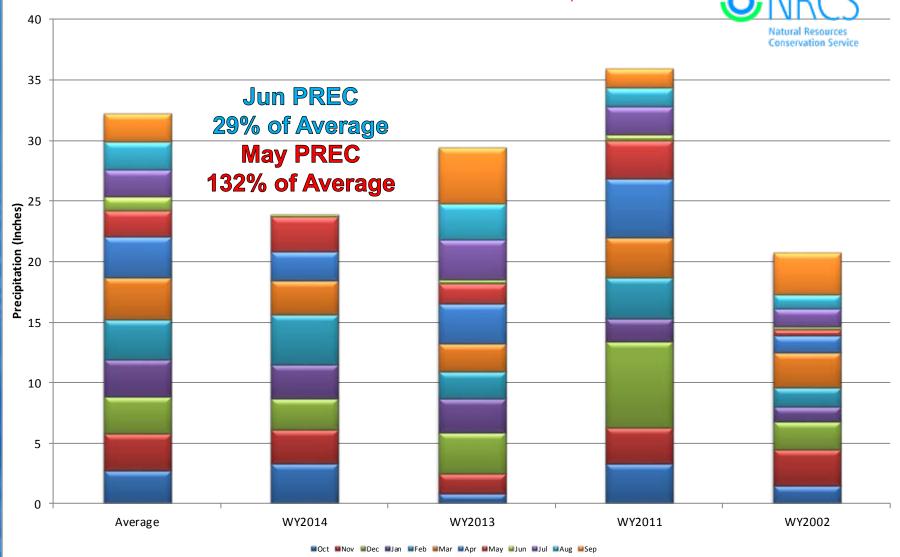






Based on Provisional SNOTEL data as of Jun 17, 2014





Gunnison River Basin High/Low Year-to-Date Precipitation Summary Based on Provisional SNOTEL data as of Jun 17, 2014 50.0 Current as Pct of Average: 96% Conservation Service Current as Pct of Median: 100% Current as Pct of Last Year: 131% 45.0 Current as Pct of Average Annnual Total: 74% Average as Pct of Average Annual Total: 77% Pct of Avg Needed to Reach Avg Annual Total: 113% 40.0 35.0 Year-to-Date Precipitation (inches)
0.02
0.07
0.07 10.0 5.0 0.0 Oct 01 Nov 01 Dec 01 Jan 01 Feb 01 Mar 01 Apr 01 May 01 Jun 01 Jul 01 Aug 01 Sep 01

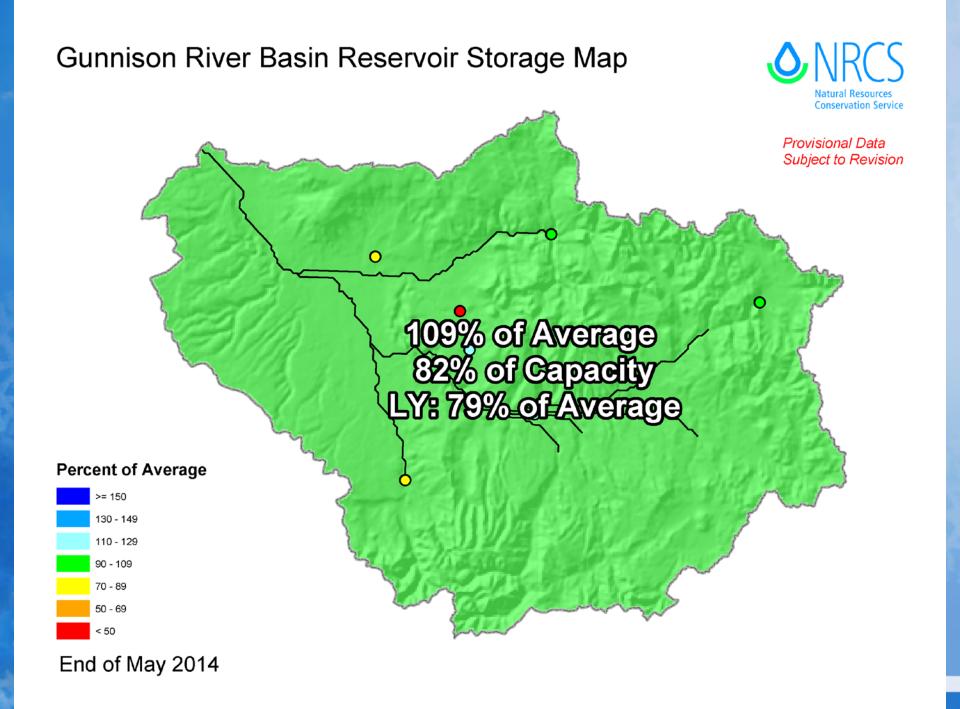
WY2002

WY2011

WY2013

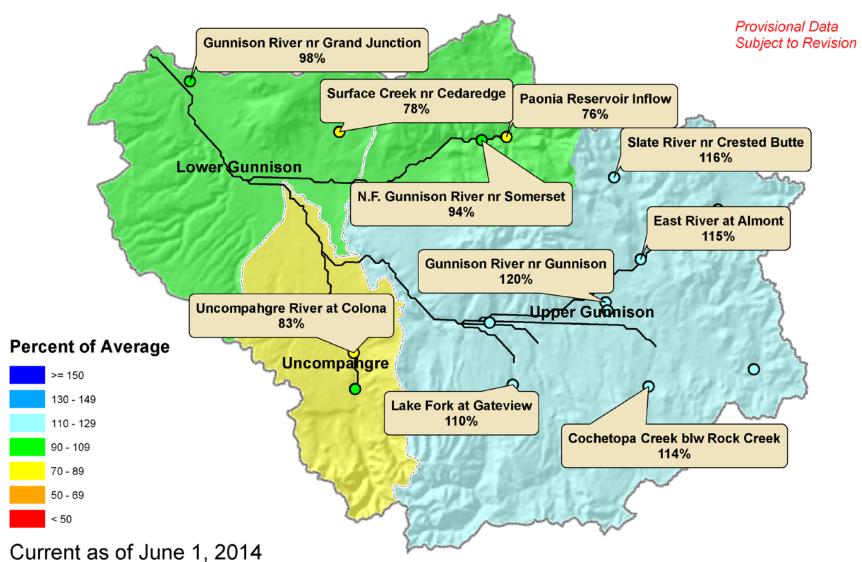
WY2014

Median

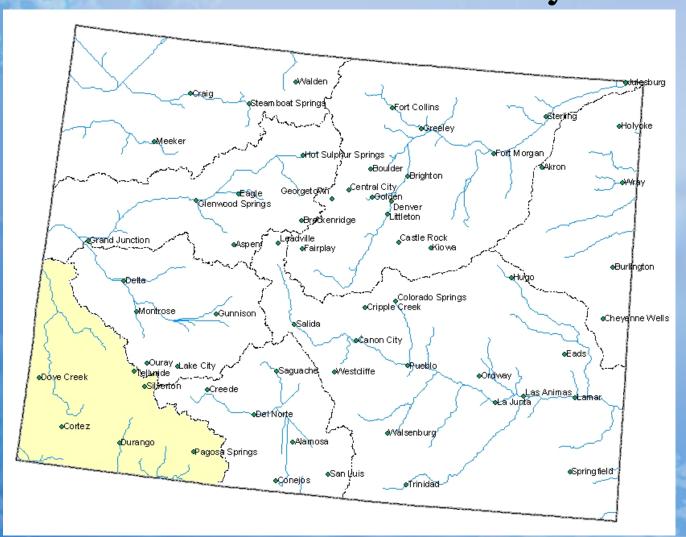


Gunnison River Basin Streamflow Forecast Map



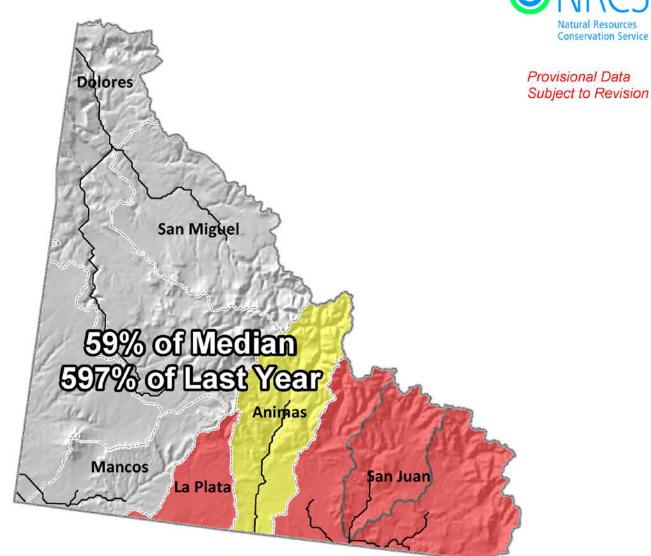


San Miguel, Dolores, Animas & San Juan River Basins Summary



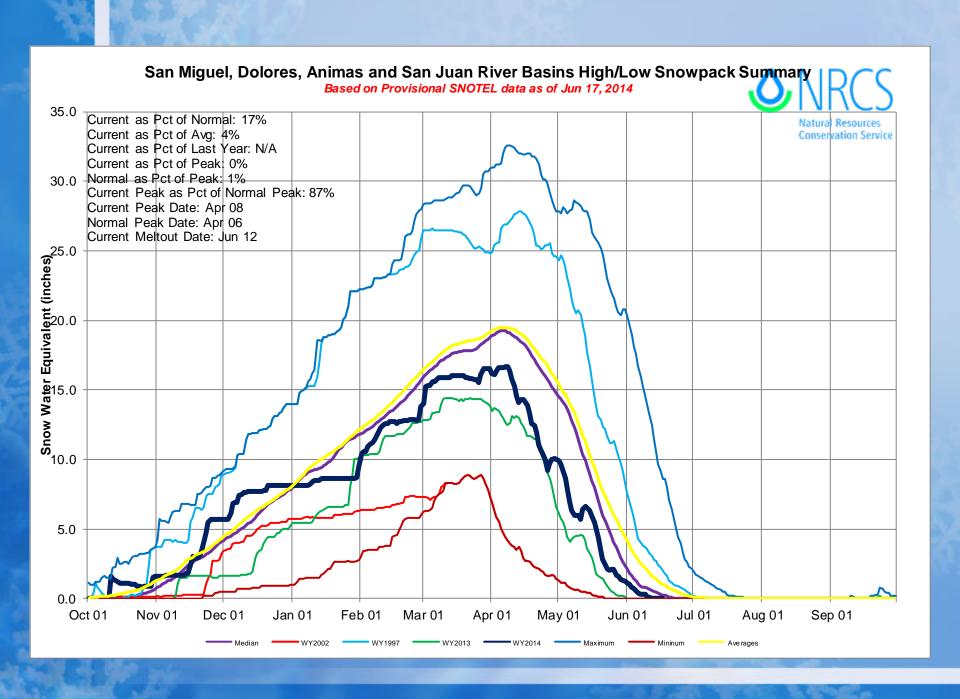
San Miguel, Dolores, Animas and San Juan River Basins

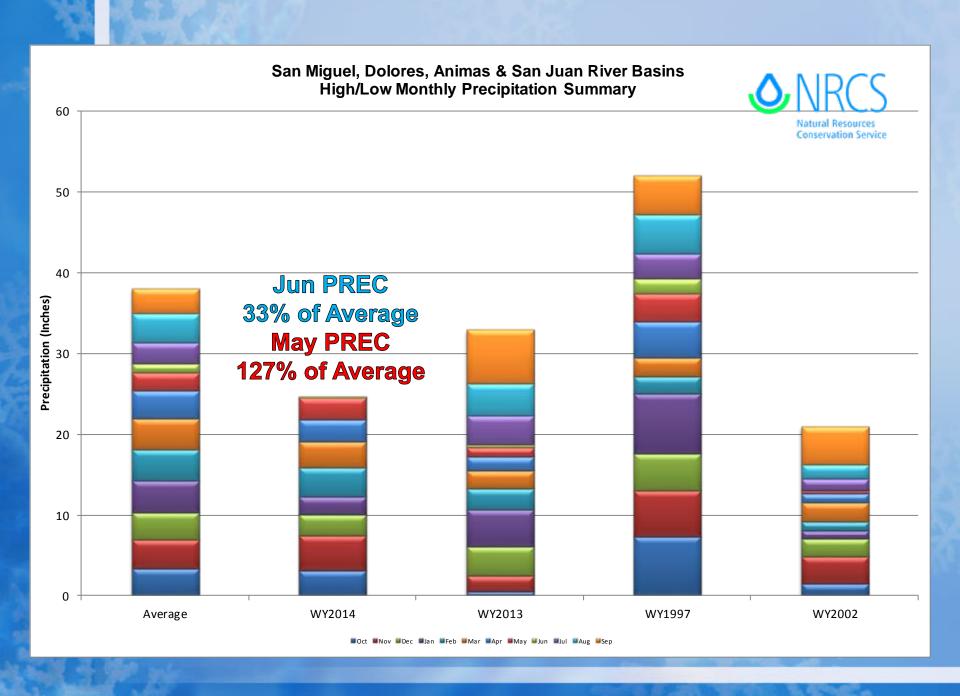
Snowpack Map



Percent of Median

Current as of June 1, 2014





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

Based on Provisional SNOTEL data as of Jun 17, 2014 60.0 Current as Pct of Average: 88% Conservation Service Current as Pct of Median: 89% Current as Pct of Last Year: 134% Current as Pct of Average Annnual Total: 65% Average as Pct of Average Annual Total: 74% Pct of Avg Needed to Reach Avg Annual Total: 135% 50.0 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 Apr 01 May 01 Jun 01 Jul 01 Aug 01 Sep 01 WY2002 WY 1997 WY2013 WY2014 Maximum Mininum

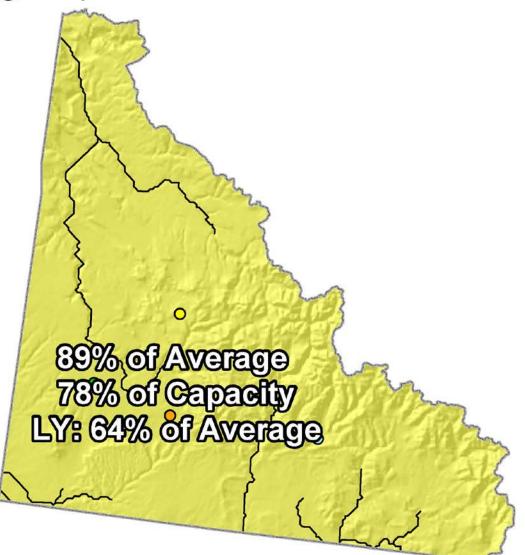
San Miguel, Dolores, Animas and San Juan River Basins

Reservoir Storage Map



Provisional Data

Subject to Revision

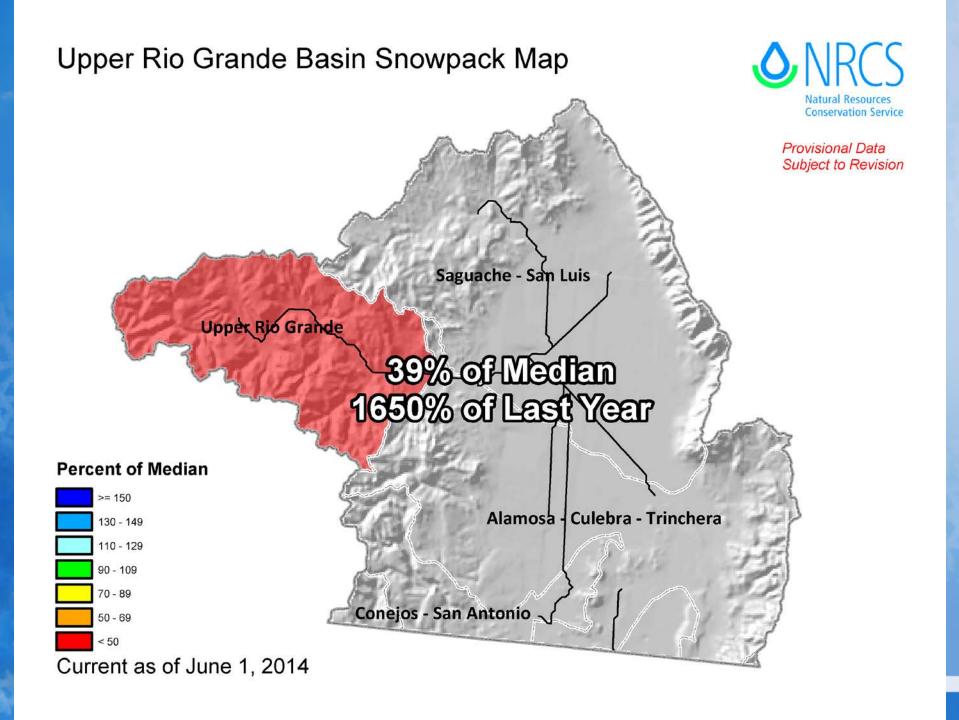


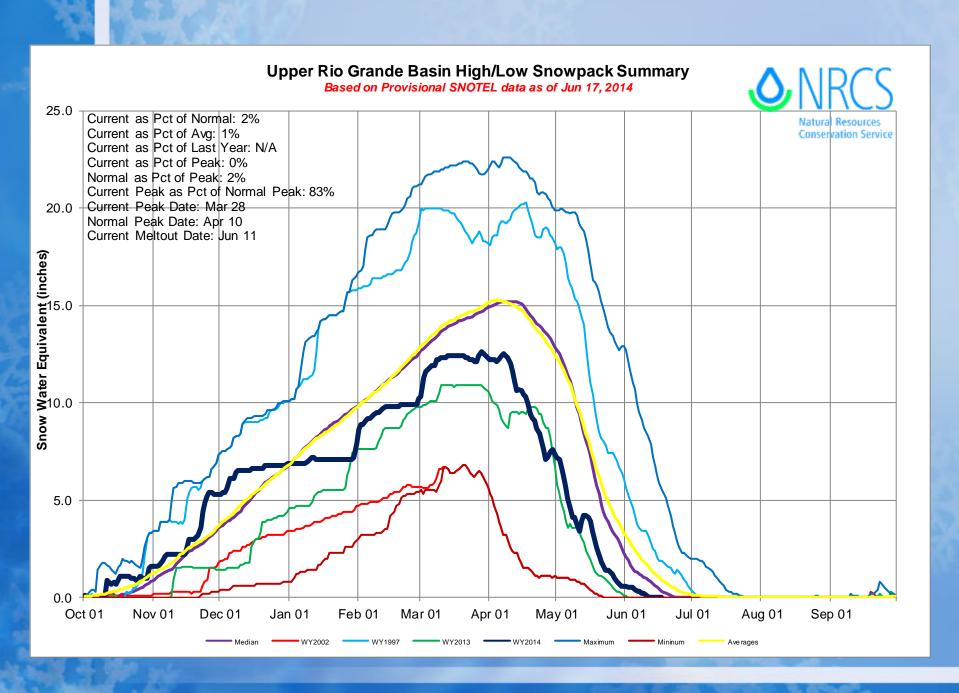
End of May 2014

San Miguel, Dolores, Animas and San Juan River Basins Streamflow Forecast Map **Percent of Average** Conservation Service >= 150 Provisional Data 130 - 149 **Dolores** Subject to Revision 110 - 129 90 - 109 70 - 8950 - 69 < 50 San Miguel River nr Placerville 99% San Miguel McPhee Reservoir Inflow 65% **Dolores River at Dolores** 73% Animas **Mancos River nr Mancos** 46% O San Juan La Plata **Mancos** San Juan River nr Carracus 56% Navajo River at Oso Diversio **Animas River at Durango** 52% 85% Current as of June 1, 2014

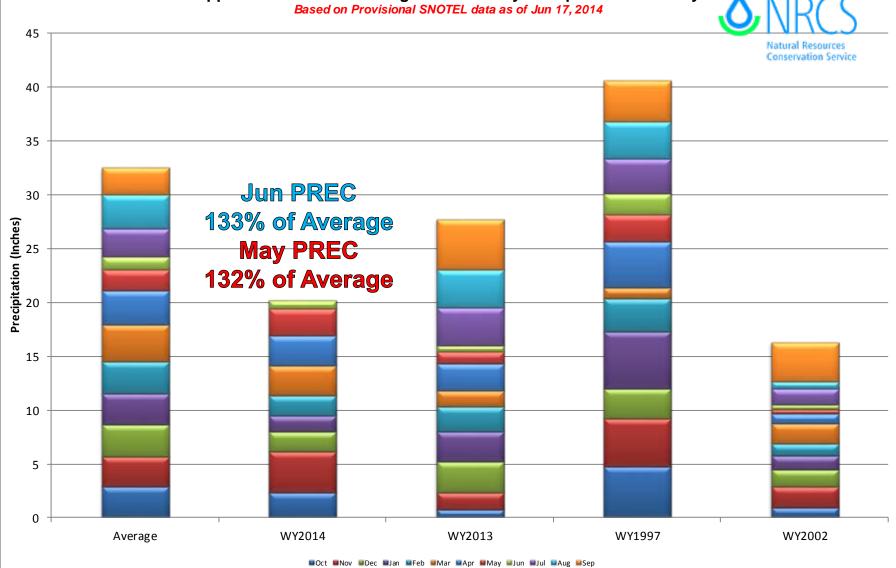
Upper Rio Grande Basin Summary







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 Jun 17, 2014 50.0 Current as Pct of Average: 85% Conservation Service Current as Pct of Median: 84% Current as Pct of Last Year: 130% 45.0 Current as Pct of Average Annnual Total: 62% Average as Pct of Average Annual Total: 73% Pct of Avg Needed to Reach Avg Annual Total: 139% 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 Apr 01 May 01 Jun 01 Jul 01 Aug 01 Sep 01

WY2002

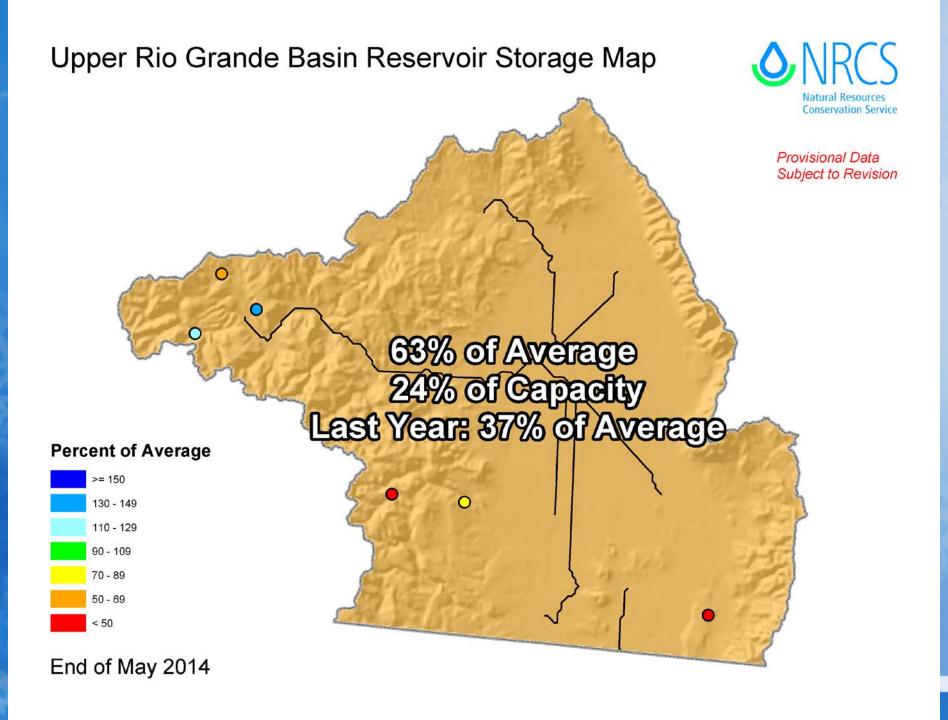
Ave rage

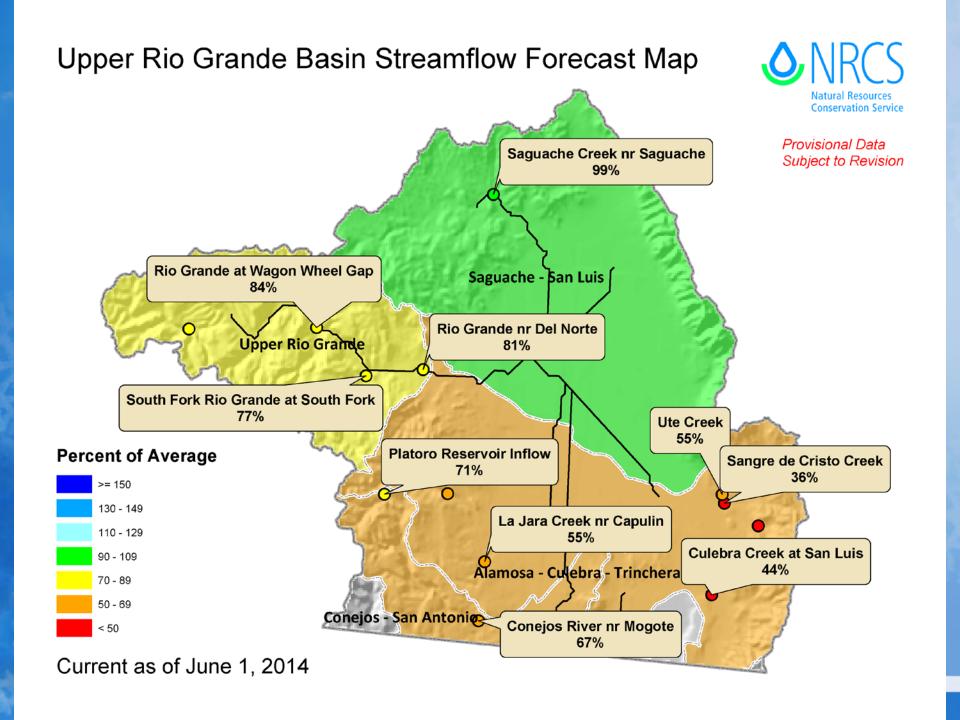
WY1997

WY2013

WY2014

Median



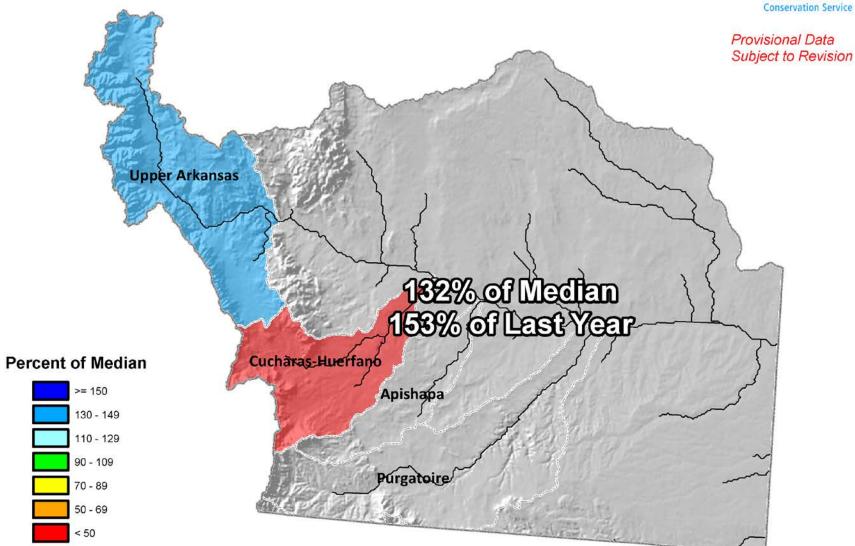


Arkansas River Basin Summary



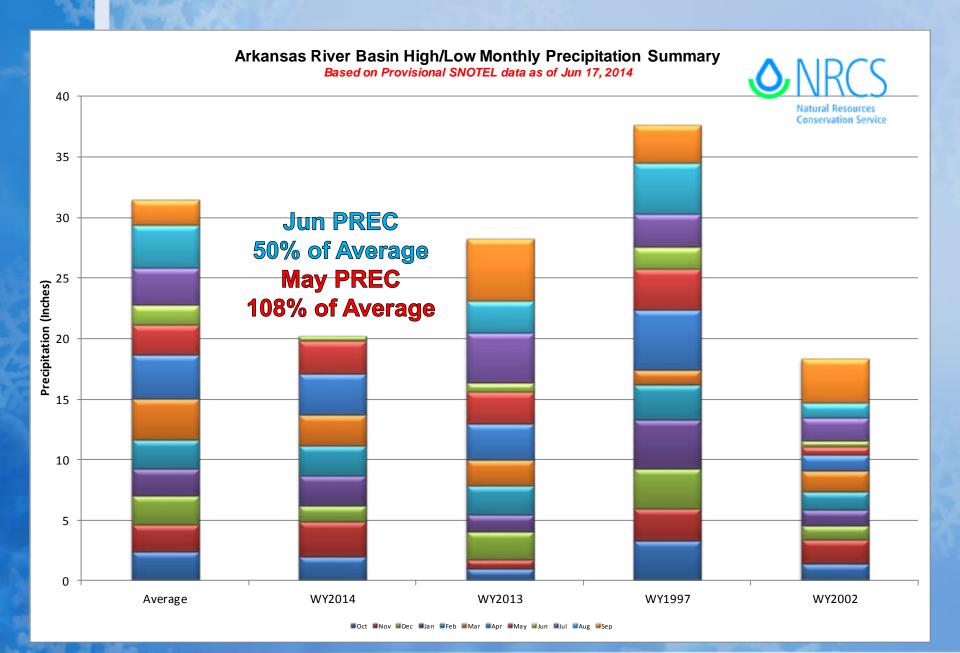
Arkansas River Basin Snowpack Map





Current as of June 1, 2014

Arkansas River Basin High/Low Snowpack Summary Based on Provisional SNOTEL data as of Jun 17, 2014 25 Current as Pct of Normal: 2200% Current as Pct of Avg: 99% Conservation Service Current as Pct of Last Year: N/A Current as Pct of Peak: 8% Normal as Pct of Peak: 0% Current Peak as Pct of Normal Peak: 108% Current Peak Date: Apr 17 Normal Peak Date: Apr 11 Snow Water Equivalent (inches) 5 May 01 Oct 01 Nov 01 Dec 01 Jan 01 Feb 01 Mar 01 Apr 01 Jun 01 Jul 01 Aug 01 Sep 01 Median WY2002 WY1997 WY2013 - Maximum Mininum Averages



Arkansas River Basin High/Low Year-to-Date Precipitation Summary Based on Provisional SNOTEL data as of Jun 17, 2014 45.0 Current as Pct of Average: 71% Conservation Service Current as Pct of Median: 71% Current as Pct of Last Year: 99% Current as Pct of Average Annnual Total: 50% 40.0 Average as Pct of Average Annual Total: 70% Pct of Avg Needed to Reach Avg Annual Total: 167% 35.0 10.0 5.0 0.0 Oct 01 Nov 01 Dec 01 Jan 01 Feb 01 Mar 01 Apr 01 May 01 Jun 01 Jul 01 Aug 01 Sep 01

WY2002

WY 1997

WY2013

WY2014

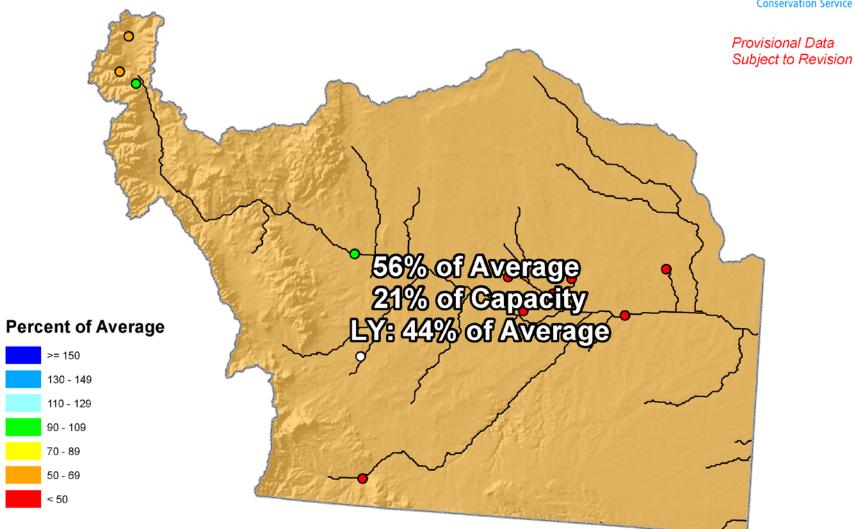
Median

Maximum

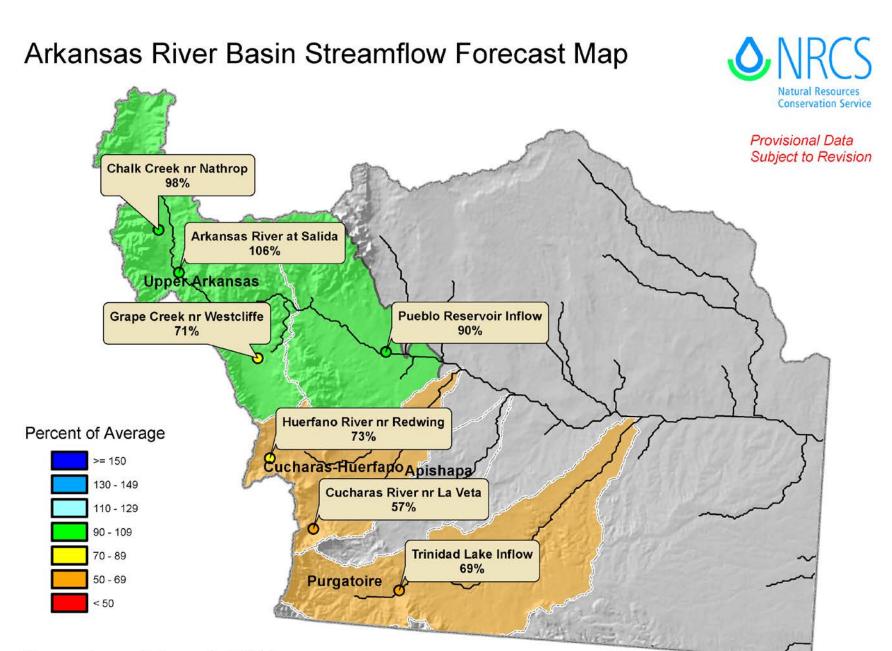
Mininum

Arkansas River Basin Reservoir Storage Map



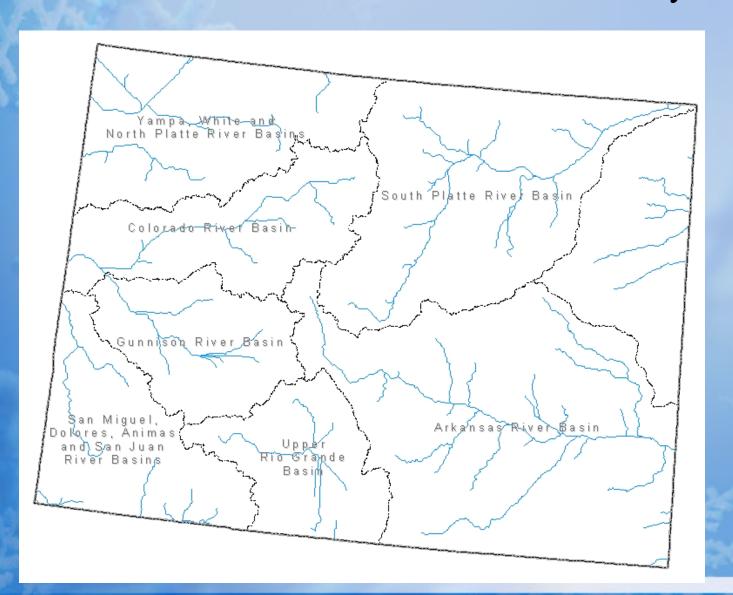


End of May 2014



Current as of June 1, 2014

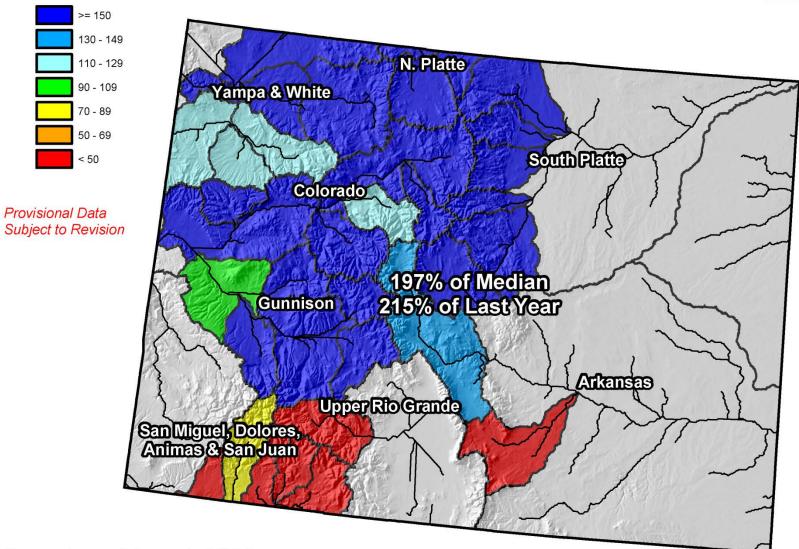
Colorado Statewide Summary



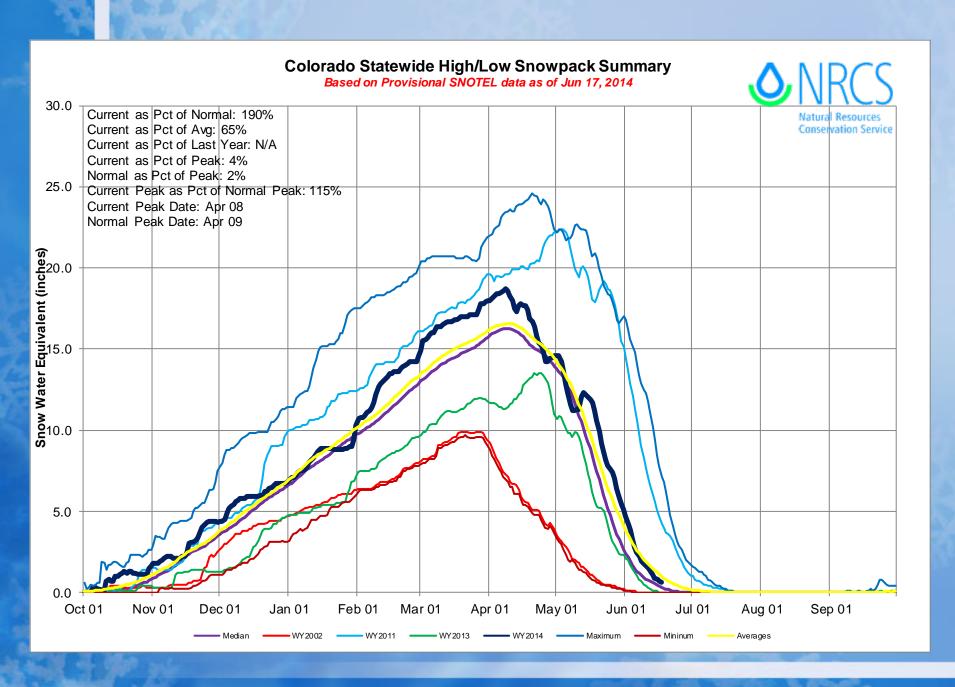
Colorado Snowpack Map



Percent of Median

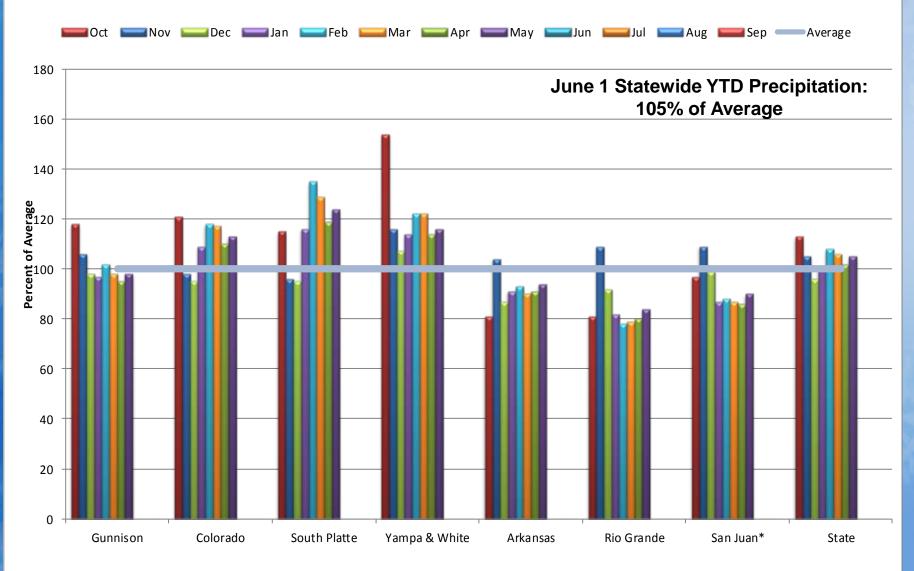


Current as of June 1, 2014



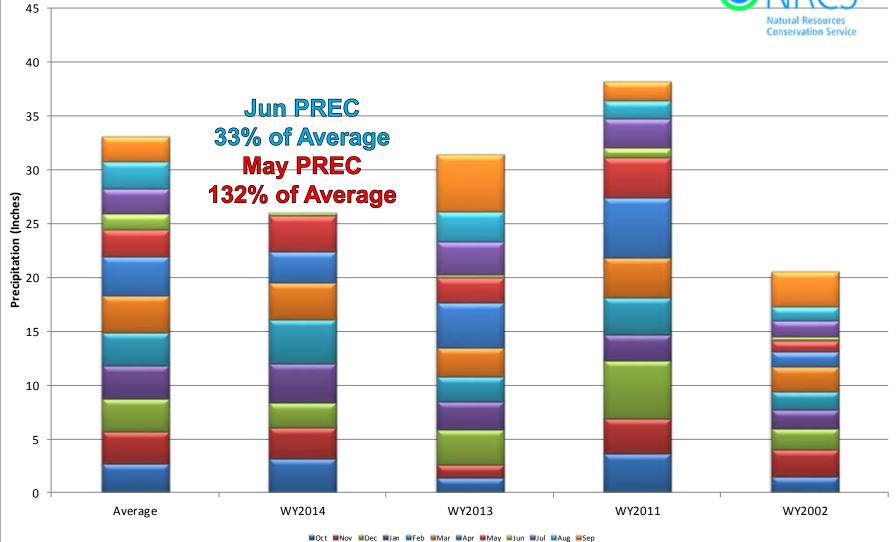
Colorado Year-to-Date Precipitation Summary for WY2014

USDA Natural Resources Conservation Service



Colorado Statewide High/Low Monthly Precipitation Summary Based on Provisional SNOTEL data as of Jun 17, 2014





Colorado Statewide High/Low Year-to-Date Precipitation Summary Based on Provisional SNOTEL data as of Jun 17, 2014 45.0 Current as Pct of Average: 103% Conservation Service Current as Pct of Median: 104% Current as Pct of Last Year: 129% 40.0 Current as Pct of Average Annnual Total: 79% Average as Pct of Average Annual Total: 77% Pct of Avg Needed to Reach Avg Annual Total: 92% 35.0 Year-to-Date Precipitation (inches) 10.0 5.0 Oct 01 Nov 01 Dec 01 Jan 01 Feb 01 Mar 01 Apr 01 May 01 Jun 01 Jul 01 Aug 01 Sep 01

WY2002

WY2011

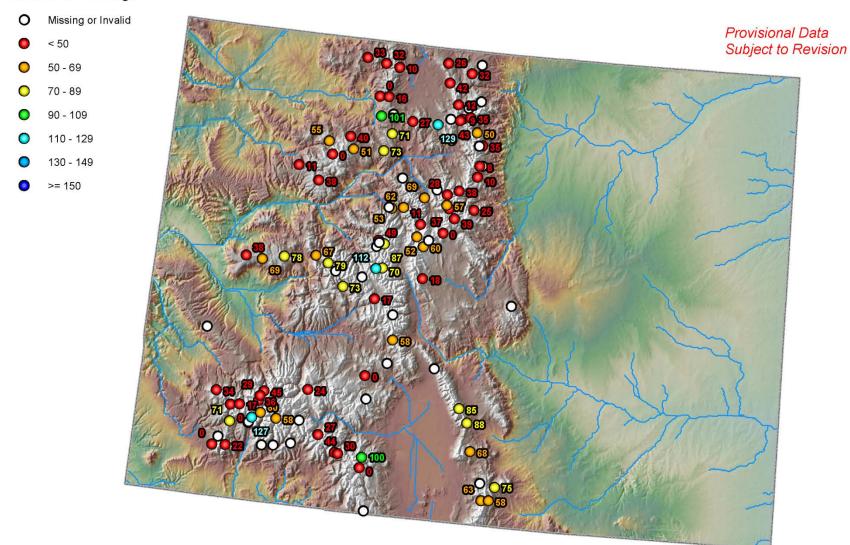
WY2013

WY2014

Median

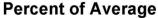
Colorado SNOTEL Month-to-Date Precipitation

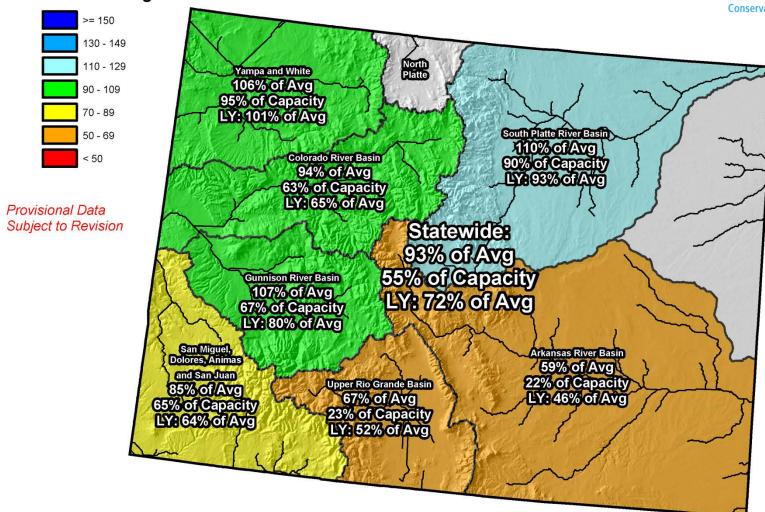
Percent of Average



Colorado Reservoir Storage Map





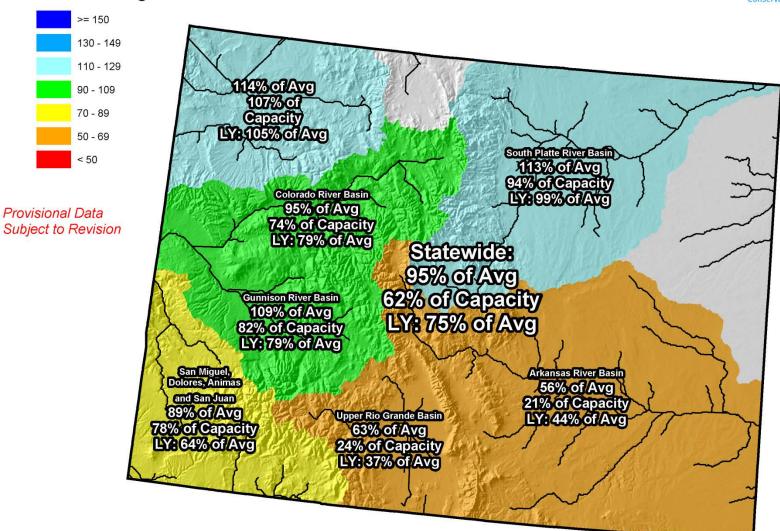


End of April 2014

Colorado Reservoir Storage Map

Natural Resources

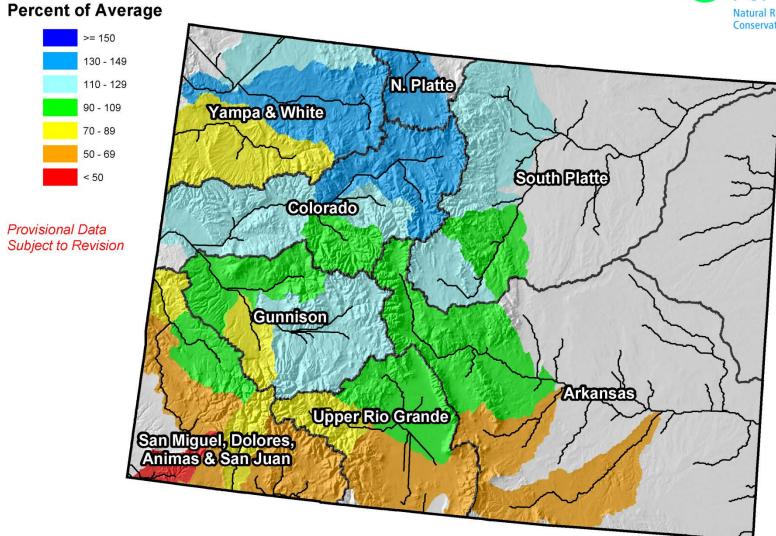
Percent of Average



End of May 2014

Colorado Streamflow Forecast Map



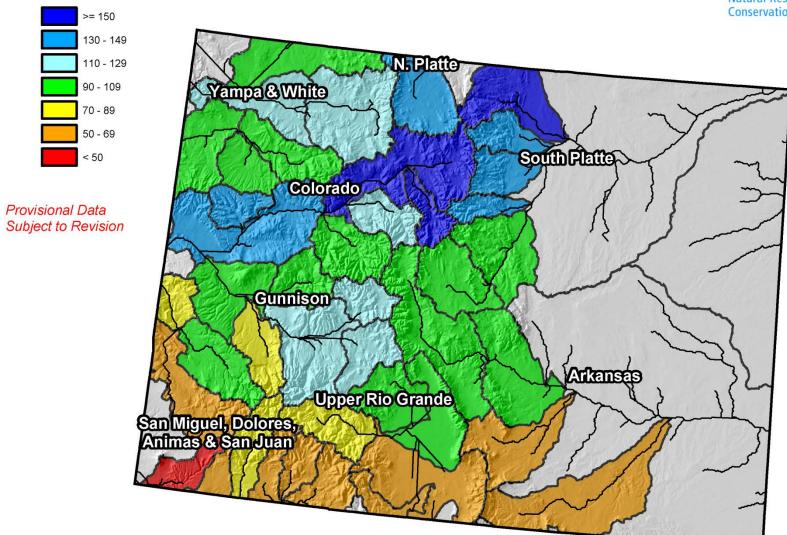


Current as of May 1, 2014

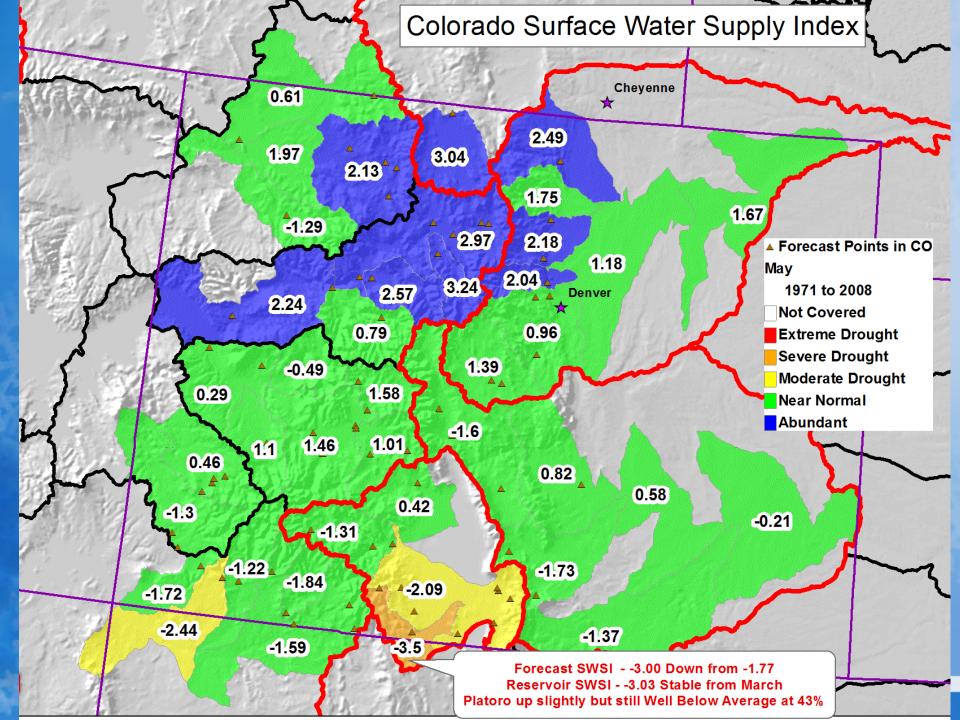
Colorado Streamflow Forecast Map

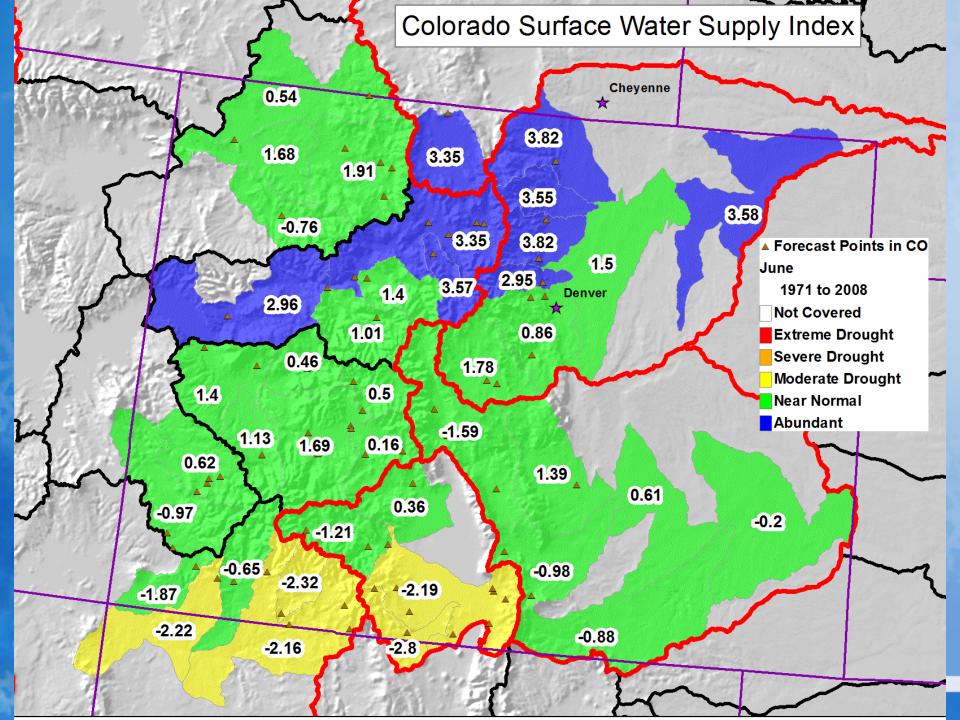
Natural Resources Conservation Service

Percent of Average



Current as of June 1, 2014





Summary

- •Precip during May was front loaded, with the large majority occurring during the storm of the second week of the month
- •Streamflows due to snowmelt should be on the recession
- •June 1 SWSIs saw little change from May 1, just a few minor changes in all direction, but in general water supplies look to be in good standing in the northern three quarters of the state. Although June's current lack of precip is hanging over us like an ominous cloud, or I guess that would be a lack there of!
- •As of May 1 of the 41 SWSIs in the state only five in are in the lower quartile. Nine are in the upper quartile.
- •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 June 18th, 2014

NRCS Snow Survey and Water Supply Forecasting Program

> Brian Domonkos Colorado Snow Survey Supervisor 303-524-2521

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