WY 2012 PRECIPITATION AND SNOWPACK CONDITIONS
WY 2012 WEATHER AND CLIMATE FORECASTS
WY 2012 WATER SUPPLY FORECASTS
Upper Green

Upper Green Basin Conditions
Percent of 1981-2010 Average

As of January 1, 2012
As of February 1, 2012
As of March 1, 2012

Monthly Precipitation
Water Year Precipitation
Snow Water Equivalent
Monthly Streamflow
Reservoir Contents*
Forecast
Colorado Basin River Forecast Center
Green abv Fontenelle Group

To Date: 97% (14.8 / 15.3)
Seasonal: 92% (14.8 / 16.0)

<table>
<thead>
<tr>
<th></th>
<th>Mar 1</th>
<th>Mar 19</th>
<th>Mar 26</th>
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</thead>
<tbody>
<tr>
<td>CBRFC-SWS</td>
<td>748 (rtd)</td>
<td></td>
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<tr>
<td>CBRFC-ESP (qpf / no qpf)</td>
<td>722/726</td>
<td>672/690</td>
<td>660/670</td>
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<tr>
<td>NRCS-Daily</td>
<td>802</td>
<td>742</td>
<td>727</td>
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<tr>
<td>NRCS-Statistical</td>
<td>730</td>
<td>690</td>
<td>690</td>
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<tr>
<td>Coordinated</td>
<td>730/101%</td>
<td>690/95%</td>
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GREEN - FONTENELLE RES, FONTENELLE NR (GBRWA)
Water Year 2012, Forecast Period Apr-Jul (highlighted)

NRCS

Created 03/28 18:52 UTC NOAA/ERFC, 2012

Fontenelle Reservoir Inflow (wy): Apr-Jul Volume

Created 03/25 2012

This is an automated product based on known data. Observed data may be subject to change. This product is a statistically based guidance for event-condition planning and is not intended for event-law enforcement. Skill is defined as the correlation between the guidance and observed values. Skill is provided in a variety of formats and is used in the guidance confidence. The product is available for download at the given URL.

Science Contact: Jim.Montauf@noaa.gov www.nrcs.usda.gov/ed/binderv_forecast/skill
## Colorado Basin River Forecast Center

**Upper Green Group**

- **Mar 1**: CBRFC-SWS 1000 (rtd), CBRFC-ESP 934/945 (qpf / no qpf), NRCS-Daily 920, NRCS-Statistical 945, Coordinated 945/96%
- **Mar 19**: 845/880, 821/853, 863, 890, 890/91%
- **Mar 26**: 845/880, 821/853, 863, 890, 890/91%

**Similar current snow:**
- 1990 – 622 kaf
- 1991 – 941 kaf

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**GREEN - FLAMING GORGE RES, FLAMING GORGE DAM, AT (GGM11)**

- Water Year 2012, Forecast Period Apr-Jul (highlighted)

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**Flaming Gorge Reservoir Inflow (UT): Apr-Jul Volume**

- Created: 07:06 Mar 25 2012

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**Guidance Skill (R²)**

- This is an automated product based solely on DNOEL data; provisional data are subject to change.

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**NRCS**

- This product does not consider climate variability and local physical conditions.

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**Scan and SDRS**

- This product is not intended for use in all conditions.

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**NOAA**

- This product is not designed for all purposes.

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**NRCS-Statistical**

- This product is not intended for use in all conditions.

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**NRCS-Daily**

- This product is not designed for all purposes.

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**NRCS**

- This product is not intended for use in all conditions.
Yampa/White

Yampa/White Basin Conditions
Percent of 1981-2010 Average

- Monthly Precipitation
- Water Year Precipitation
- Snow Water Equivalent
- Monthly Streamflow
- Reservoir Contents*
- Forecast

As of January 1, 2012
As of February 1, 2012
As of March 1, 2012

[Map of the region with highlighted basin area]
Duchesne Basin Conditions
Percent of 1981-2010 Average

- Monthly Precipitation
- Water Year Precipitation
- Snow Water Equivalent
- Monthly Streamflow
- Reservoir Contents
- Forecast

*Forecast as of March 1, 2012*
Upper Colorado Mainstem Basin Conditions

Percent of 1981-2010 Average

- Monthly Precipitation
- Water Year Precipitation
- Snow Water Equivalent
- Monthly Streamflow
- Reservoir Contents*
- Forecast
To Date: 63% (9.6 / 15.2)
Seasonal: 58% (9.6 / 16.4)

Similar current snow:
2004 – 1267 kaf
2002 – 723 kaf

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<tr>
<td>CBRFC-SWS</td>
<td>1701 (raw)</td>
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<td>CBRFC-ESP</td>
<td>1931/1917</td>
<td>1601/1674</td>
<td>1524/1587</td>
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<td>NRCS-Daily</td>
<td>1740</td>
<td>1436</td>
<td>1297</td>
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<tr>
<td>NRCS-Statistical</td>
<td>1580</td>
<td>1500</td>
<td>1440</td>
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<tr>
<td>Coordinated</td>
<td>1760/75%</td>
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COLORADO - CAMEO, NR (CAMC2)
Water Year 2012, Forecast Period Apr-Jul (highlighted)

Forecast Period
- HISTORY (1981-2010)
- Period Minimum
- Period Normal
- NORMALS
- Monthly
- OBSERVED
- Monthly (GCM/PAZZ)
- ESP FORECAST:
- Expected
- OFFICIAL FORECAST:
  - Reasonable Maximum
  - Final
  - Reasonable Minimum

This is an operational product based on MODIS data; provisional data are subject to change. This product is not intended for use in short range weather forecasts or a variety of other critical decisions or critical forecasts. This product is not intended to replace or replace or improve other research. Data is provided in collaboration with the National Water Safety Science Center. Please see www.nwsc.usgs.gov/webdeva_forecasts.htm
Gunnison Basin Conditions
Percent of 1981-2010 Average

- Monthly Precipitation
- Water Year Precipitation
- Snow Water Equivalent
- Monthly Streamflow
- Reservoir Contents*
- Forecast

*As of January 1, 2012
As of February 1, 2012
As of March 1, 2012
Mar 1
Mar 19
Mar 26

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<tr>
<td>CBRFC-SWS</td>
<td>447 (rtd)</td>
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<tr>
<td>CBRFC-ESP (qpf / no qpf)</td>
<td>462</td>
<td>404/429</td>
<td>378/409</td>
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<tr>
<td>NRCS-Daily</td>
<td>485</td>
<td>393</td>
<td>358</td>
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<tr>
<td>NRCS-Statistical</td>
<td>440</td>
<td>400</td>
<td>380</td>
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<tr>
<td>Coordinated</td>
<td>450/67%</td>
<td>420/62%</td>
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</tr>
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</table>

Similar current snow:
2002 – 157 kaf
1990 – 382 kaf

GUNNISON - BLUE MESA RES (BMDC2)
Water Year 2012, Forecast Period Apr-Jul (highlighted)
San Juan

San Juan Basin Conditions
Percent of 1981-2010 Average

As of January 1, 2012
As of February 1, 2012
As of March 1, 2012

Monthly Precipitation
Water Year Precipitation
Snow Water Equivalent
Monthly Streamflow
Reservoir Contents*
Forecast

0 20 40 60 80 100 120 140 160

NOAA/NWS/CBRFC 03/02/12 13:50:20 MST
Colorado Basin River Forecast Center
NVRN5 San Juan Group

To Date: 72% (13.0 / 17.9)
Seasonal: 68% (13.0 / 19.0)

Similar current snow:
2007 – 594 kaf
2003 – 304 kaf

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<tr>
<td>CBRFC-SWS</td>
<td>653 (rtd)</td>
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<td>CBRFC-ESP</td>
<td>611</td>
<td>508/539</td>
<td>463/514</td>
</tr>
<tr>
<td>NRCS-Daily</td>
<td>659</td>
<td>548</td>
<td>539</td>
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<tr>
<td>NRCS-Statistical</td>
<td>700</td>
<td>670</td>
<td>635</td>
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<tr>
<td>Coordinated</td>
<td>650/88%</td>
<td>620/84%</td>
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Average 1981-2010: 621
2012: 647
2011: 596
2007: 585
2003: 356

Similar current snow:
2007 – 594 kaf
2003 – 304 kaf

Navajo Reservoir Inflow (NIM): Apr-Jul Volume

- Forecasted uncalibrated volume forecasts are subject to change.
- This product is status enthusiast guidance for federal investment or operations planning.
- This product does not consider climate information such as ENSO, short-range weather forecasts, or a variety of other factors considered within climate forecasts. This product of cannot replace or substitute the official forecast or result intended to communicate with the field and interagency service.

San Juan - Navajo Res, Archuleta, NR (NVRN5)
Water Year 2012, Forecast Period Apr-Jul (highlighted)
Lake Powell

Lake Powell Basin Conditions
Percent of 1981-2010 Average

- Monthly Precipitation
- Water Year Precipitation
- Snow Water Equivalent
- Monthly Inflow
- Forecast

As of Jan 1, 2012
As of Feb 1, 2012
As of Mar 1, 2012
Similar current snow:
2007 – 4240 kaf
2002 – 964 kaf

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<tr>
<td>CBRFC-SWS</td>
<td>5150 (rtd)</td>
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</tr>
<tr>
<td>CBRFC-ESP</td>
<td>5495/5538</td>
<td>4529/4490</td>
<td>4032/4477</td>
</tr>
<tr>
<td>NRCS-Daily</td>
<td>5200</td>
<td>4600</td>
<td>4400</td>
</tr>
<tr>
<td>Coordinated</td>
<td>5300/74%</td>
<td>4800/67%</td>
<td></td>
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**COLORADO - LAKE POWELL, GLEN CYN DAM, AT (GLDA1)**

Water Year 2012, Forecast Period Apr-Jul (highlighted)

**Lake Powell Inflow (AZ): Apr-Jul Volume**

This is an operational product based solely on NEXRAD data; verification data are subject to change. This product is not designed to be used for land management purposes, remote sensing, or storm surge forecasting. It is intended to provide an indication of the range of possible outcomes. The model results are subject to change and may not accurately reflect actual conditions at the lake. The information presented is advisory and should be considered in conjunction with the hydrology of Lake Powell.
Virgin and Lower Colorado

Virgin Basin Conditions
Percent of 1981-2010 Average

- Monthly Precipitation
- Water Year Precipitation
- Snow Water Equivalent
- Monthly Streamflow
- Reservoir Contents
- Forecast

Lower Colorado March - May Volume Forecasts 2012
Percent of 1981-2010 Median*
Lake Mead Intervening Flow Forecast issued 3/19/2012

March: 70 KAF / 64%
April: 55 KAF / 52%
May: 40 KAF / 53%
April - July: 160 KAF / 58%
Minimum Temperature Deviation - CBRFC - 2012

Maximum Temperature Deviation - CBRFC - 2012