RIO GRANDE PROJECT

CURRENT HYDROLOGIC CONDITIONS OF UPPER RIO GRANDE BASIN

RECLAMATION
As of 04/12/2013 with 18 of 18 sites reporting, the basin wide SWE is 65 percent of median.
2013 Spring Run-off Forecast
Objective Short-Term Drought Indicator Blend Percentiles

July 27, 2013

Percentile (D0-to-D4 equivalent)
- 0 to 2 (D4)
- 2 to 5 (D3)
- 5 to 10 (D2)
- 10 to 20 (D1)
- 20 to 30 (D0)
- 30 to 70
- 70 to 80
- 80 to 90
- 90 to 95
- 95 to 98
- 98 to 100

Inputs (as percentiles):
- 35% Palmer Z-Index
- 25% 3-Month Precipitation
- 20% 1-Month Precipitation
- 13% CPC Soil Moisture Model
- 7% Palmer Drought Index

This map approximates impacts that respond to precipitation over several days to a few months, such as agriculture, topsoil moisture, unregulated streamflows, and most aspects of wildfire danger. The relationship between indicators and impacts can vary significantly with location and season. Do not interpret this map too literally.

This map is based on preliminary climate division data. Local conditions and/or final data may differ. See the detailed product suite description for more details.
<table>
<thead>
<tr>
<th>FORECAST POINT</th>
<th>Rio Grande at OTOWI BRIDGE</th>
<th>Rio Grande at San Marcial</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>FORECAST PERIOD</strong></td>
<td><strong>MAR-JUL</strong></td>
<td><strong>MAR-JUL</strong></td>
</tr>
<tr>
<td><strong>30-YEAR AVERAGE RUNOFF</strong>*</td>
<td>*757,000/720,000</td>
<td>*573,000/510,000</td>
</tr>
<tr>
<td>Jan 2013</td>
<td>340,000</td>
<td>191,000</td>
</tr>
<tr>
<td></td>
<td>47%</td>
<td>37%</td>
</tr>
<tr>
<td>Feb 2013</td>
<td>380,000</td>
<td>197,000</td>
</tr>
<tr>
<td></td>
<td>53%</td>
<td>39%</td>
</tr>
<tr>
<td>March 2013</td>
<td>395,000</td>
<td>200,000</td>
</tr>
<tr>
<td></td>
<td>55%</td>
<td>39%</td>
</tr>
<tr>
<td>April 2013</td>
<td>235,000</td>
<td>71,000</td>
</tr>
<tr>
<td></td>
<td>33%</td>
<td>14%</td>
</tr>
<tr>
<td>May 2013</td>
<td>171,000</td>
<td>-41,000</td>
</tr>
<tr>
<td></td>
<td>24%</td>
<td></td>
</tr>
<tr>
<td>June 2013</td>
<td>162,000</td>
<td>-49,000</td>
</tr>
<tr>
<td></td>
<td>23%</td>
<td></td>
</tr>
</tbody>
</table>

*based on 1971-2000 Runoff data
San Marcial Historical May-June Forecast
1953-2013

- 5 of the 8 lowest May-July flows have occurred starting in WY2000.
HISTORICAL Mar-Jul RUNOFF - SAN MARCIAL
1979 - 2012

2011 Mar-Jul ~ 88 KAF
2012 Mar-Jul ~ 123 KAF
2013 Mar-Jul ~ 32.8 KAF

510 KAF - 30 Yr - Avg

50%
MRGCD began irrigation season
2013 Caballo & EB Reservoir
*Storage & *Release Operations

Storage (AF)

12/7 1/26 3/17 5/6 6/25 8/14 10/3

*End Date ESTimated

- Caballo
- Elephant Butte
- Caballo Release
- EB Release
2012 Summary

- April 2012 – 412 KAF Total – **283.5 KAF Usable**
- Initial Allocation – 19% of a full Supply
- SM Inflow – 123 KAF (Mar-July)
- Total Caballo Release – 371.3 KAF

2013 Summary

- April 2013 – 218 KAF Total – **153 KAF Usable**
- Initial Allocation – 6% of a full Supply
- SM Inflow – 32.8 KAF (Mar-July)
- Total Caballo Release ~ 170 KAF
Questions?