Corps of Engineers Reservoirs Status

Michael A (Tony) Young, P.E.
Water Management Chief

NC DMAC Annual Meeting
Raleigh, NC

10 April 2014
Corps of Engineers Lake Levels Since 1-April-2013
(Feet Above or Below Guide Curve)

- JH Kerr
- Jordan
- Falls
- WK Scott
### Reservoir Summaries:

<table>
<thead>
<tr>
<th>Reservoir</th>
<th>07-Apr-14 0800 Elev (ft-msl)</th>
<th>Guide Curve (ft-msl)</th>
<th>Forecast 14-Apr-14 Elevation (ft-msl)</th>
<th>Average Net Inflows</th>
<th>Rainfall at Dam</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>7-day cfs (% median)</td>
<td>Mar cfs (% median)</td>
<td>7-day (inches)</td>
<td>Mar (inches)</td>
<td></td>
</tr>
<tr>
<td>Falls</td>
<td>251.98</td>
<td>251.5</td>
<td>251.9</td>
<td>408 (43%)</td>
<td>1685 (141%)</td>
</tr>
<tr>
<td>Jordan</td>
<td>216.13</td>
<td>216.0</td>
<td>216.2</td>
<td>813 (38%)</td>
<td>4122 (151%)</td>
</tr>
<tr>
<td>Scott</td>
<td>1030.30</td>
<td>1030.0</td>
<td>1030.3</td>
<td>632 (88%)</td>
<td>624 (89%)</td>
</tr>
<tr>
<td>Kerr</td>
<td>300.97</td>
<td>301.5</td>
<td>301.9</td>
<td>5825 (54%)</td>
<td>10149 (81%)</td>
</tr>
<tr>
<td>Philpott</td>
<td>974.78</td>
<td>973.5</td>
<td>974.3</td>
<td>319 (82%)</td>
<td>329 (85%)</td>
</tr>
</tbody>
</table>

### Reservoir Storage and Water Quality:

<table>
<thead>
<tr>
<th>Reservoir</th>
<th>Current Flood Storage Percent Remaining</th>
<th>Current Water Quality Percent Remaining</th>
<th>Forecast 80% WQ Remaining</th>
<th>Forecast 60% WQ Remaining</th>
<th>Current Water Supply or Dependable Power Pool % Remaining</th>
<th>Forecast 80% WS or DPP Remaining</th>
<th>Forecast 60% WS or DPP Remaining</th>
</tr>
</thead>
<tbody>
<tr>
<td>Falls</td>
<td>97</td>
<td>100</td>
<td>*</td>
<td>*</td>
<td>100</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Jordan</td>
<td>99</td>
<td>100</td>
<td>*</td>
<td>*</td>
<td>100</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Scott</td>
<td>99</td>
<td>80%</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Kerr</td>
<td>96</td>
<td>100</td>
<td>*</td>
<td>*</td>
<td>100</td>
<td>*</td>
<td>*</td>
</tr>
<tr>
<td>Philpott</td>
<td>94</td>
<td>100</td>
<td>*</td>
<td>*</td>
<td>100</td>
<td>*</td>
<td>*</td>
</tr>
</tbody>
</table>

**NOTE:** Water Quality, Water Supply, and Dependable Power Pool forecasts extend through end of March 2014. "*" indicates that storage remaining does not drop below indicated thresholds by end of forecast period.
JH Kerr Lake Level Forecast -- 07 April 2014
(Based on 65% monthly median inflows; target fish flows thru late May & min fish flows thru mid Jun)

<table>
<thead>
<tr>
<th>Recent Inflows</th>
<th>CFS</th>
<th>% of Median</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-day average</td>
<td>5825</td>
<td>54%</td>
</tr>
<tr>
<td>March</td>
<td>10149</td>
<td>81%</td>
</tr>
</tbody>
</table>

- Guide Curve
- Drought Alert Curve
- Drought Warning/Interchange Curve
- Bottom of Dependable Power Capacity Pool
- July 2012 - June 2013
- Forecast Lake Level
- Recorded Kerr Lake Level

Spawning Releases (1-Apr thru 15-Jun)

Generally expected climatic conditions are reflected in lake level forecasts; however, actual lake levels may vary significantly from forecast levels shown due to future rainfall events and actual hydropower operations.
Click on Basin Map for Recent Stages and Flows

Click on Reservoir Name Below to go to Project Webpage:

<table>
<thead>
<tr>
<th></th>
<th>John H. Kerr</th>
<th>Philpott</th>
<th>Falls</th>
<th>B. Everett Jordan</th>
<th>W. Kerr Scott</th>
</tr>
</thead>
<tbody>
<tr>
<td>0800 Elevation (ft-msl)</td>
<td>302.56</td>
<td>973.82</td>
<td>254.25</td>
<td>222.54</td>
<td>1030.16</td>
</tr>
<tr>
<td>Guide Curve (ft-msl)</td>
<td>298.02</td>
<td>972.97</td>
<td>251.50</td>
<td>216.00</td>
<td>1030.00</td>
</tr>
</tbody>
</table>

Lake and Guide Curve Levels for the past 180 days

http://epec.saw.usace.army.mil
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