

Willamette Project Conditions as of 14 October-04

Lake elevations are midnight elevations.

Flow values are the daily average.

Project	Full Pool (ft)	Elevation (ft)	Inflow (cfs)	Outflow (cfs)	% Above or Below Rule Curve	Feet Below Full Pool
Hills Creek	1541.0	1479.5	320.0	800.0	-30.4%	61.5
Lookout Point	926.0	859.1	1410.0	2030.0	-29.6%	66.9
Fall Creek	830.0	790.2	40.0	390.0	2.1%	39.8
Cottage Grove	790.0	768.2	40.0	290.0	1.5%	21.8
Dorena	832.0	798.9	100.0	700.0	1.7%	33.1
Fern Ridge	373.5	368.4	-10.0	880.0	1.0%	5.1
Cougar*	1690.0	1452.5	240.0	240.0	0.3%	*
Blue River	1350.0	1292.7	20.0	660.0	0.4%	57.3
Green Peter	1010.0	968.2	310.0	1180.0	-12.6%	41.8
Foster	637.0	630.9	1500.0	1490.0	-0.1%	6.1
Detroit	1563.5	1523.9	830.0	3380.0	1.5%	39.6

*Cougar is passing inflow and maintaining an elevation range of 1450 - 1455 feet for construction of a temperature control tower. Cougar quit generating on April 1, 2002 and will remain out of service until 2005.

TOTAL SYSTEM STORAGE ABOVE MINIMUM POOL: 41.3%

Website for USACE, Portland District, shows [daily reservoir conditions, historical data, and boat ramp elevations](http://www.nwd-wc.usace.army.mil/nwp/). Click on the following link and then "Reports", "Graphics" or "Data Query".
<http://www.nwd-wc.usace.army.mil/nwp/>

Summary of Operations, last updated: 14-Oct-04

Beginning 01 September most reservoirs are drawn down to provide storage for winter flood control operations. Typically, from about November through January the reservoirs are at their lowest levels of the season, except after large rainstorms where flood waters are captured and reservoir temporarily rise. The stored water is then evacuated from the projects after threat of downstream flooding is over. Hills Creek, Lookout Point and Green Peter are below their scheduled levels ("rule curve" elevations). As these projects draft for flood control, releases provide water on the mainstem Willamette for water quality and salmon and steelhead spawning and nesting in the tributaries. Fern Ridge has been drafting in recent weeks at about 0.44 feet per day. From late on 15 October and lasting about 10 days, the Fern Ridge draft rate is scheduled to be approximately 1.2 feet per day. The accelerated draft is being scheduled in response to an observed increase in sediment deposits from one project drain in later September of about 2.2 pounds per day. The scheduled draft will lower the reservoir to its normal winter operating level. The Corps is now releasing approximately 3100 cfs from Detroit/Big Cliff. Outflows from Foster/Green Peter are currently at 1500 cfs and are expected to stay near that level for several days. This week flows have been increased slightly at Dorena and Blue river in order to stay on the rule curves.

Summary of Average Forecast Inflows, Outflows and Pool Elevations for the period 14-October-04, 1100 Hrs to 20-October-04, 0500 Hrs.

Project	Average Elevation (ft)	Average Inflow (cfs)	Average Outflow (cfs)
Hills Creek	1477.7	317	810
Lookout Point	857.6	1200	2000
Fall Creek	785.6	84	848
Cottage Grove	765.6	42	290
Dorena	793.9	114	710
Fern Ridge	366.3	56	2517
Cougar*	1452.5	271	271
Blue River	1285.4	50	670
Green Peter	966.8	365	1012
Foster	628.9	1248	1490
Detroit	1518.8	629	2729

**The Reservoir Control Center (USACE), jointly with the River Forecast Center (NOAA), provides flow and reservoir elevation forecasts. The posted forecast is based on a forecast date of 14 October, 2004. Data summarized above is preliminary and subject to change based on actual conditions and real-time reservoir regulation requirements.*