

The official FEBRUARY final WSF sets BiOp actions at **HGH, LIB, DWR** (see table below).
All other projects provided for informational purposes only.

Table 4. Water Supply Forecasts Used to Implement BiOp Actions. See Table 5 for project-specific operations.

Forecast Point	Forecast Period	Forecast	BiOp Actions to be Determined
Hungry Horse (Provided by Reclamation)	April – August	January, February, March Final	Sets min. flows at Hungry Horse and Columbia Falls
	May – September	January, February, March Final	Sets VARQ flood control targets
		April Final	Sets VARQ flood control targets and VARQ refill flows
		May, June Final	Sets VARQ refill flows
The Dalles (Provided by NWRFC)	April – August	April Final	Sets spring flow objective at McNary Dam and informs decision on juvenile fish transportation operations at McNary
		May Final	Sets end of September draft limits at Hungry Horse and Libby
		July Final	Sets end of August draft limit at Grand Coulee
Lower Granite (Provided by NWRFC)	April – July	April Final	Sets spring flow objective at Lower Granite and informs decision on juvenile fish transportation operations at Lower Snake projects
		June Final	Sets summer flow objective at Lower Granite
Libby (Provided by Corps Seattle District)	April – August	December Final	Sets end of December variable draft target
		January, February, March Final	Sets VARQ flood control targets
		April Final	Sets VARQ flood control targets and VARQ refill flows
		May Final	Sets Libby min. sturgeon flow volume and min. bull trout flows for after sturgeon pulse through Sept. Sets VARQ refill flows
		June Final	VARQ refill flows
Dworshak (Provided by Corps Walla Walla District)	April – July	October through June	Manage for reservoir refill

The official FEBRUARY final WSF sets BiOp actions at **HGH, LIB, DWR** (see table on pg 1).
All other projects provided for informational purposes only.

Close Archive Data/Normals Rankings Adjustments Verification Verify All Years Help

Loading...

COLUMBIA - THE DALLES DAM (TDAO3) Forecasts for Water Year 2014					
Official Forecast -10 days QPF: Ensemble: 2014-02-06 Issued: 2014-02-07 Hide Forecast					
Forecast Period	Forecasts Are in KAF				30 Year Average (1981-2010)
	90 %	50 %	% Average	10 %	
APR-SEP	71327	80682	87	89234	92704
APR-JUL	59653	67729	85	77563	79855
APR-AUG	66467	75594	86	84383	87532
JAN-JUL	74858	83730	83	96734	101368
-5 days QPF: Ensemble: 2014-02-06 Issued: 2014-02-07 Hide Forecast					
APR-SEP	67462	77279	83	88520	92704
APR-JUL	56183	65236	82	76391	79855
APR-AUG	62438	72458	83	83599	87532
JAN-JUL	71236	79998	79	95056	101368
-0 days QPF: Ensemble: 2014-02-06 Issued: 2014-02-07 Hide Forecast					
APR-SEP	68057	78546	85	87853	92704
APR-JUL	55955	66022	83	75831	79855
APR-AUG	62559	73204	84	83101	87532
JAN-JUL	72316	81147	80	94884	101368
Move the mouse over the desired "Forecast Period" to display a graph.					

 Link to image of plot

☐ Max Scale ☒ Scale To Data ☐ Scale To Last 45 Days

Note: Compatible with the latest browsers (Chrome, Firefox, Safari, and Internet Explorer (ie9+)).

Overlay

☐ ESP10 ☐ ESP5 ☐ ESP0

•
•
•

Data Files

APR-SEP

- [Commerce Home](#) |
- [NOAA](#) |
- [NWS Organization](#) |
- [NWRFC Site Map](#) |
- [Search](#)

- [Freedom of Information Act](#) |
- [Privacy Policy](#) |
- [Information Quality](#) |
- [USA.gov](#) |
- [Career Opportunities](#)



#FF6600
#33CCFF
#0000FF
#660066
#F00007
ESP10,ESP5,ESP0
ESP10,ESP5,ESP0

The official FEBRUARY final WSF sets BiOp actions at **HGH, LIB, DWR** (see table on pg 1).
All other projects provided for informational purposes only.

Close Archive Data/Normals Rankings Adjustments Verification Verify All Years Help

Loading...

SNAKE - LOWER GRANITE DAM (LGDW1) Forecasts for Water Year 2014					
Official Forecast -10 days QPF: Ensemble: 2014-02-06Issued: 2014-02-07Hide Forecast					
Forecast Period	Forecasts Are in KAF				30 Year Average (1981-2010)
	90 %	50 %	% Average	10 %	
APR-SEP	16938	20739	93	23743	22279
APR-JUL	14826	18239	92	20986	19848
APR-AUG	15865	19518	93	22401	21091
JAN-JUL	20997	24421	89	27934	27440
-5 days QPF: Ensemble: 2014-02-06 Issued: 2014-02-07Hide Forecast					
APR-SEP	16389	19835	89	23200	22279
APR-JUL	14145	17368	88	20598	19848
APR-AUG	15180	18652	88	21899	21091
JAN-JUL	19896	23108	84	27712	27440
-0 days QPF: Ensemble: 2014-02-06 Issued: 2014-02-07Hide Forecast					
APR-SEP	15582	19252	86	22312	22279
APR-JUL	13473	16832	85	19849	19848
APR-AUG	14492	18086	86	21077	21091
JAN-JUL	19135	22572	82	26838	27440
Move the mouse over the desired "Forecast Period" to display a graph.					

Link to image of plot

☐ Max Scale ☒ Scale To Data ☐ Scale To Last 45 Days

Note: Compatible with the latest browsers (Chrome, Firefox, Safari, and Internet Explorer (ie9+)).

Overlay

☐ ESP10 ☐ ESP5 ☐ ESP0

•
•
•

Data Files

Zoomout

CSV (ESP10 / APR-SEP)

APR-SEP

- [Commerce Home](#) |
- [NOAA](#) |
- [NWS Organization](#) |
- [NWRFC Site Map](#) |
- [Search](#)

- [Freedom of Information Act](#) |
- [Privacy Policy](#) |
- [Information Quality](#) |
- [USA.gov](#) |
- [Career Opportunities](#)

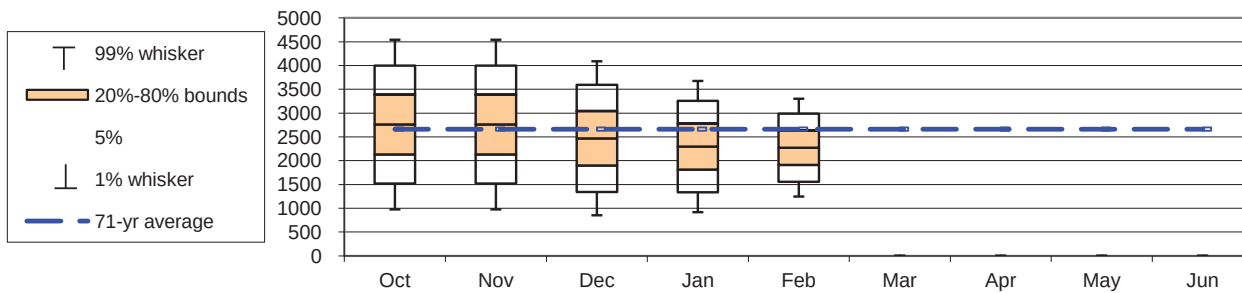


#FF6600
#33CCFF
#0000FF
#660066
#F00007
ESP10,ESP5,ESP0
ESP10,ESP5,ESP0

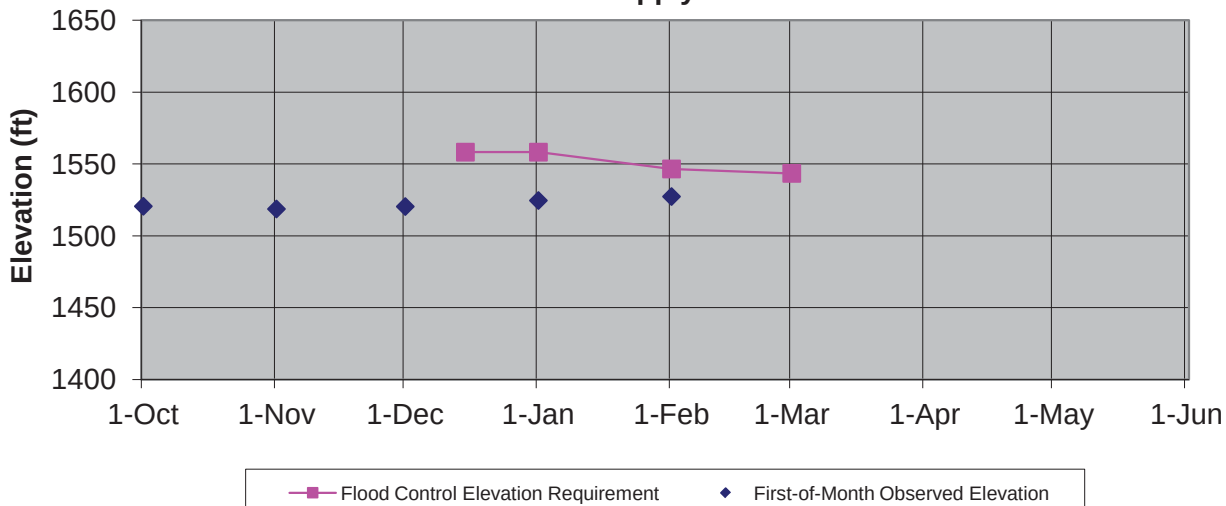
Dworshak : February Runoff Forecast & Flood Control Calculation**WY 2014**

Runoff Forecast and Flood Control						1981-2010 Average	Percent of Average	1929-2010 Average	Percent of Average
Most Probable Runoff Volume		Apr-Jul	2274	KAF		2438	93%	2663	85%
		May-Jul	1667	KAF		1784	93%	1953	85%
28/29 Feb Flood Control Space			912	KAF					
28/29 Feb Flood Control Elevation			1543.5	ft					
Seasonal Flood Control (assumes no shift of flood control space to Grand Coulee)									
Forecast Date>>	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
pr-Jul Runoff Forecast	2758	2758	2470	2296	2274				
First-of-Month Elev	1520.6	1518.7	1520.4	1524.6	1527.3				
Date >>	15-Dec	31-Dec	31-Jan	28-Feb	31-Mar	15-Apr	30-Apr		
Flood Control Space	--	700	700	869	912				
Flood Control Elevation	--	1558.2	1558.2	1546.5	1543.5				

Spread of values around expected forecast

**Dworshak Flood Control Elevations - 2014**

Latest water supply forecast: Feb

**Notes:**

1. The given forecast is the official Corps of Engineers forecast for Dworshak. If you have any questions please contact Jeremy Giovando (509 527 7053), or Steve Hall (509 527 7550).
2. Due to updated values for precipitation, snow or streamflow, subsequent forecasts may be different from the forecast published herein.
3. 15-Dec and 31-Dec flood control space is fixed at 700 KAF.

Dworshak : February Runoff Forecast & Flood Control Calculation**Apr-Jul Runoff Forecast Calculation:**

Variable	Month	Observed Value	% of Average	Regression Coefficient	Marginal Runoff (KAF)
		A		B	=A*B
SOI	Sep	0.30		264.27	79.3
HQSI Cumulative Precip	Oct-Date	14.50	82%	27.04	392.1
Elk Butte SWE	1-Jan	21.4	81%	12.06	258.1
Cool Creek SWE	1-Jan	28.6	86%	11.35	324.6
Hoodoo Basin SWE	1-Jan	22.2	74%	10.97	243.5
Sherwin SWE	1-Jan	6.0	71%	29.17	175.0
Lost Lake SWE	1-Jan	30.0	74%	7.60	228.0
Intercept		1		572.93	572.9

1-Feb Forecast (KAF)

Σ 2273.5

Data Station	Sept	Nov	Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun	1-Jul
Climate (Stdzd SOI)										
September SOI	0.30									
Precipitation (in)										
Headquarters, ID	0.40	4.20	4.90	5.00	--	--	--			
Cumulative HQSI Data	0.40	4.60	9.50	14.50	--	--	--			
Snow Water Equiv (First of Month values) (in)										
Elk Butte, ID				12.8	21.4	--	--			
Cool Creek, ID				16.6	28.6					
Hoodoo Basin, MT				13.3	22.2	--	--	--	--	
Sherwin, ID				2.7	6.0	--	--			
Shanghi Summit, ID								--	--	
Lost Lake, ID				19.8	30.0	--	--	--	--	
Hemlock, ID								--	--	
Crater Meadows Mar						--	--			
Streamflow (End of Month) (kaf)				Jan	Feb	Mar	Apr	May	Jun	Jul
Dworshak Inflow				132	--	--	--	--	--	--

Approval:

HEITSTUMAN.JOHN.JOSEPH.1159402580
 HN.JOSEPH.1159402580

John J. Heitstuman P.E.
 Chief Hydrology Section
 Walla Walla District USACE

Digitally signed by
 HEITSTUMAN.JOHN.JOSEPH.1159402580
 DN: c=US, o=U.S. Government, ou=DoD,
 ou=PKI, ou=USA,
 cn=HEITSTUMAN.JOHN.JOSEPH.1159402580
 Date: 2014.02.04 12:13:09 -08'00'

BROOKS.PETER.F.1228519541

Peter Brooks, P.E., D. WRE
 Ch., Hydrologic Engineering and Power Branch
 Columbia Basin Water Management Division

Digitally signed by
 BROOKS.PETER.F.1228519541
 DN: c=US, o=U.S. Government, ou=DoD,
 ou=PKI, ou=USA,
 cn=BROOKS.PETER.F.1228519541
 Date: 2014.02.04 12:55:56 -08'00'

**The official Dworshak Dam forecast is computed by the Corps Walla Walla District (provided on previous pages).
This forecast from NWRFC is provided for informational purposes only. **

[Close](#) [Archive](#) [Data/Normals](#) [Rankings](#) [Adjustments](#) [Verification](#) [Verify All Years](#) [Help](#)

Loading...

NF CLEARWATER - DWORSHAK DAM (DWRI1) Forecasts for Water Year 2014					
Official Forecast -10 days QPF: Ensemble: 2014-02-06 Issued: 2014-02-07Hide Forecast					
Forecast Period	Forecasts Are in KAF				30 Year Average (1981-2010)
	90 %	50 %	% Average	10 %	
APR-SEP	2249	2649	103	3276	2575
APR-JUL	2124	2505	104	3104	2419
JAN-JUL	2901	3286	100	3857	3289
-5 days QPF: Ensemble: 2014-02-06 Issued: 2014-02-07Hide Forecast					
APR-SEP	2158	2626	102	3165	2575
APR-JUL	2041	2471	102	2997	2419
JAN-JUL	2748	3135	95	3896	3289
-0 days QPF: Ensemble: 2014-02-06 Issued: 2014-02-07Hide Forecast					
APR-SEP	2174	2621	102	3228	2575
APR-JUL	2050	2464	102	3056	2419
JAN-JUL	2711	3224	98	3876	3289
Move the mouse over the desired "Forecast Period" to display a graph.					

 [Link to image of plot](#)

☐ Max Scale ☒ Scale To Data ☐ Scale To Last 45 Days

Note: Compatible with the latest browsers (Chrome, Firefox, Safari, and Internet Explorer (ie9+)).

Overlay

☐ ESP10 ☐ ESP5 ☐ ESP0

•
•
•

Data Files

[Zoomout](#)

[CSV \(ESP10 / APR-SEP\)](#)

APR-SEP

- [Commerce Home](#) |
- [NOAA](#) |
- [NWS Organization](#) |
- [NWRFC Site Map](#) |
- [Search](#)

- [Freedom of Information Act](#) |
- [Privacy Policy](#) |
- [Information Quality](#) |
- [USA.gov](#) |
- [Career Opportunities](#)



#FF6600
#33CCFF
#0000FF
#660066
#F00007
ESP10,ESP5,ESP0
ESP10,ESP5,ESP0

The Grand Coulee Dam water supply forecast is not used for implementation of any BiOp actions.
This forecast is provided for informational purposes only.

[Close](#) [Archive](#) [Data/Normals](#) [Rankings](#) [Adjustments](#) [Verification](#) [Verify All Years](#) [Help](#)

Loading...

COLUMBIA - GRAND COULEE DAM (GCDW1) Forecasts for Water Year 2014					
Official Forecast -10 days QPF: Ensemble: 2014-02-06Issued: 2014-02-07Hide Forecast					
Forecast Period	Forecasts Are in KAF				30 Year Average (1981-2010)
	90 %	50 %	% Average	10 %	
APR-SEP	46818	53437	89	58417	60110
APR-JUL	38384	44539	87	49341	51015
APR-AUG	43785	50280	89	54704	56763
JAN-JUL	44418	50241	84	56960	59599
-5 days QPF: Ensemble: 2014-02-06 Issued: 2014-02-07Hide Forecast					
APR-SEP	44944	51421	86	59408	60110
APR-JUL	37497	42672	84	50026	51015
APR-AUG	41910	48197	85	55160	56763
JAN-JUL	43531	48777	82	57825	59599
-0 days QPF: Ensemble: 2014-02-06 Issued: 2014-02-07Hide Forecast					
APR-SEP	45640	52680	88	60368	60110
APR-JUL	37925	43556	85	50830	51015
APR-AUG	42879	49082	86	56804	56763
JAN-JUL	44318	49452	83	58393	59599
Move the mouse over the desired "Forecast Period" to display a graph.					

 [Link to image of plot](#)

☐ Max Scale ☒ Scale To Data ☐ Scale To Last 45 Days

Note: Compatible with the latest browsers (Chrome, Firefox, Safari, and Internet Explorer (ie9+)).

Overlay

☐ ESP10 ☐ ESP5 ☐ ESP0

•
•
•

Data Files

[Zoomout](#)

[CSV \(ESP10 / APR-SEP\)](#)

APR-SEP

- [Commerce Home](#) |
- [NOAA](#) |
- [NWS Organization](#) |
- [NWRFC Site Map](#) |
- [Search](#)

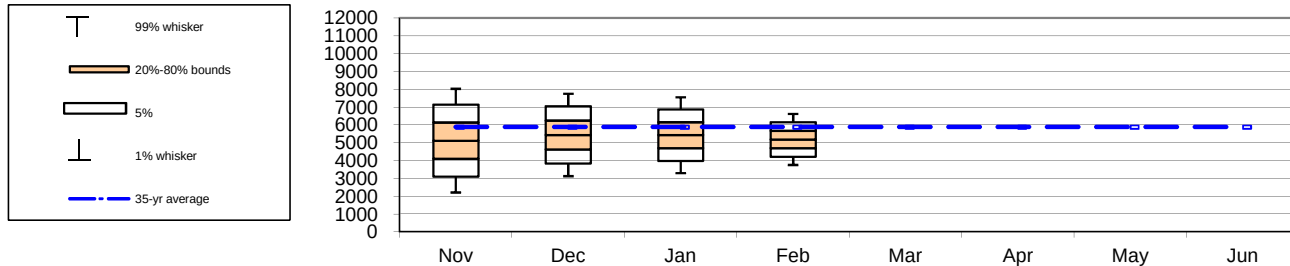
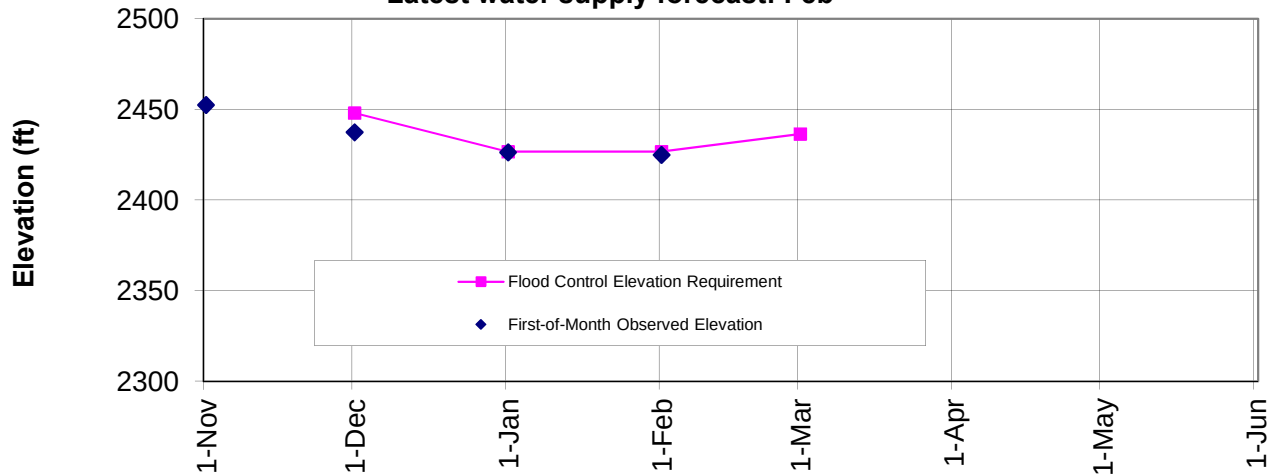
- [Freedom of Information Act](#) |
- [Privacy Policy](#) |
- [Information Quality](#) |
- [USA.gov](#) |
- [Career Opportunities](#)



#FF6600
#33CCFF
#0000FF
#660066
#F00007
ESP10,ESP5,ESP0
ESP10,ESP5,ESP0

Libby : February Runoff Forecast & Flood Control Calculation**WY 2014**

Runoff Forecast and Flood Control					1981-2010 Average	Percent of Average	1929-2008 Average	Percent of Average
Most Probable Runoff Volume:					5885	88%	6282	83%
	Apr-Aug	5192	KAF		5342	88%	5720	83%
	Apr-Jul	4713	KAF		4821	88%	5199	83%
	May-Jul	4253	KAF					
28 Feb Flood Control Space								
28 Feb Flood Control Elevation								
		1000	KAF					
		2436.4	ft					
Seasonal Flood Control VARQ Flood Control Implemented								
Forecast Date >>	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun
Apr-Aug Runoff Forecast	5125	5446	5432	5192				
First-of-Month Elev	2452.5	2437.4	2426.3	2424.9				
Date >>	30-Nov	31-Dec	31-Jan	28-Feb	15-Mar	31-Mar	15-Apr	30-Apr
Flood Control Space	500	1403	1400	1000				
Flood Control Elevation	2448.0	2426.6	2426.7	2436.4				

Spread of values around expected forecast**Libby Flood Control Elevations - 2014****Latest water supply forecast: Feb****Notes:**

1. The given forecast is the official Corps of Engineers forecast for Libby. If you have any questions please contact Joel Fenolio (206) 764-6683, Kevin Shaffer (206) 764-3660, Adam Price (206) 764-3604, or Kristian Mickelson (206) 764-6927.
2. If a prior month's forecast as published in this document is different than what was originally published in the issue month, then the earlier forecast has been adjusted to reflect updated values for precipitation or streamflow.

Libby : February Runoff Forecast & Flood Control Calculation**Apr-Aug Runoff Forecast Calculation:**

Variable	Month(s)	Units	Observed Value	Percent of Average	Regression Coefficient	Marginal Runoff (KAF)
			A		B	=A*B
QBO	Σ Jan:Mar		-4.45		-7.9	35.0
Eureka, MT	Σ Oct:Jan Prcp	inches	3.36	77%	62.2	208.9
Libby 1 NE RS, MT	Σ Oct:Jan Prcp	inches	5.09	64%	54.7	278.3
West Glacier, MT	Σ Oct:Jan Prcp	inches	10.22	82%	32.3	330.2
Fernie, BC	Σ Oct:Jan Prcp	inches	18.01	81%	13.9	249.9
Floe Lake, BC	1-Feb SWE	inches	16.06	82%	10.9	175.1
Sunshine Village, AB	1-Feb SWE	inches	12.95	84%	22.4	289.5
East Creek, BC	1-Feb SWE	inches	18.54	76%	7.0	129.9
Stahl Peak, MT	1-Feb SWE	inches	20.80	87%	19.7	408.9
Gardiner Creek, AB	1-Feb SWE	inches	13.86	92%	16.6	229.7
Three Isle Lake, AB	1-Feb SWE	inches	10.98	85%	29.7	326.0
Lost Creek South, AB	1-Feb SWE	inches	16.06	101%	16.9	271.8
Morrissey Ridge, BC	1-Feb SWE	inches	15.79	86%	23.9	377.7
Hawkins Lake, MT	1-Feb SWE	inches	13.90	85%	32.9	457.6
Intercept			1		1423.0	1423.0
1-Feb Forecast (KAF)					Σ	5191.6

Data used in Libby Water Supply Forecast**WY 2014**

Climate Data	Jan-13	Feb-13	Mar-13	Jun-13	Jul-13	Oct-13	Nov-13	Dec-13	Jan-14
SOI				1.20	0.80				
QBO	-6.07	-1.23	2.85						
PNA						-0.21	-1.14	-1.16	
Precipitation Data	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Units
Eureka, MT	0.37	1.16	0.77	1.06					inch
Libby 1 NE RS, MT	0.59	2.22	1.20	1.08					inch
West Glacier, MT	0.55	4.31	2.66	2.70					inch
Fernie, BC	27.50	128.50	210.00	91.50					mm
Snow Water Equiv			1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun	Units
Floe Lake, BC			274	408					mm
Sunshine Village, AB			236	329					mm
East Creek, BC			335	471					mm
Stahl Peak, MT			15	21					inch
Gardiner Creek, AB			257	352					mm
Three Isle Lake, AB			213	279					mm
Lost Creek South, AB			273	408					mm
Morrissey Ridge, BC			286	401					mm
Hawkins Lake, MT			8	14					inch
Streamflow			Jan	Feb	Mar	Apr	May	Jun	Units
Libby Inflow Volume			190.4						KAF
Reservoir Elevation	1-Nov	1-Dec	1-Jan	1-Feb	1-Mar	1-Apr	1-May	1-Jun	Units
Libby FOM Elev	2452.5	2437.4	2426.3	2424.9					feet

for:

Peter F. Brooks, P.E., D. WRE
 Approving Official
 Ch., Hydrologic Engineering and Power Branch
 Northwestern Division

Joel Fenolio, P.E.
 Upper Columbia Senior Water Manager
 Seattle District

**The official Libby Dam forecast is computed by the Corps Seattle District (provided on previous pages).
This forecast from NWRFC is provided for informational purposes only. **

[Close](#) [Archive](#) [Data/Normals](#) [Rankings](#) [Adjustments](#) [Verification](#) [Verify All Years](#) [Help](#)

Loading...

KOOTENAI - LIBBY DAM (LYDM8) Forecasts for Water Year 2014					
Official Forecast -10 days QPF: Ensemble: 2014-02-06 Issued: 2014-02-07Hide Forecast					
Forecast Period	Forecasts Are in KAF				30 Year Average (1981-2010)
	90 %	50 %	% Average	10 %	
APR-SEP	4503	5444	87	6576	6254
APR-JUL	3807	4613	86	5709	5342
APR-AUG	4227	5109	87	6238	5885
JAN-JUL	4355	5224	87	6265	6002
-5 days QPF: Ensemble: 2014-02-06 Issued: 2014-02-07Hide Forecast					
APR-SEP	4377	5288	85	6471	6254
APR-JUL	3664	4532	85	5657	5342
APR-AUG	4077	4967	84	6144	5885
JAN-JUL	4217	5089	85	6222	6002
-0 days QPF: Ensemble: 2014-02-06 Issued: 2014-02-07Hide Forecast					
APR-SEP	4611	5501	88	6595	6254
APR-JUL	3833	4680	88	5748	5342
APR-AUG	4301	5179	88	6255	5885
JAN-JUL	4395	5218	87	6370	6002
Move the mouse over the desired "Forecast Period" to display a graph.					

 [Link to image of plot](#)

☐ Max Scale ☒ Scale To Data ☐ Scale To Last 45 Days

Note: Compatible with the latest browsers (Chrome, Firefox, Safari, and Internet Explorer (ie9+)).

Overlay

☐ ESP10 ☐ ESP5 ☐ ESP0

•
•
•

Data Files

[Zoomout](#)

[CSV \(ESP10 / APR-SEP\)](#)

APR-SEP

- [Commerce Home](#) |
- [NOAA](#) |
- [NWS Organization](#) |
- [NWRFC Site Map](#) |
- [Search](#)

- [Freedom of Information Act](#) |
- [Privacy Policy](#) |
- [Information Quality](#) |
- [USA.gov](#) |
- [Career Opportunities](#)



#FF6600
#33CCFF
#0000FF
#660066
#F00007
ESP10,ESP5,ESP0
ESP10,ESP5,ESP0

February 6, 2014

Hungry Horse Dam

Official FEBRUARY final forecast of runoff volumes (kaf):

- Feb – Jul: 2,183 kaf (107%)
- Jan – Jul: 2,223 kaf (106%)
- Apr – Aug: 2,081 kaf (107%)
- May – Sep: 1,819 kaf (107%)

Minimum flows for Columbia Falls and below Hungry Horse are:

- Columbia Falls: 3,500 cfs
- Hungry Horse: 900 cfs

--

John Roache, Civil Engineer
River and Reservoir Operations
U.S. Bureau of Reclamation
PN Regional Office, Boise, ID

**** The official Hungry Horse Dam forecast is computed by the Bureau of Reclamation (provided on previous page).
This forecast from NWRFC is provided for informational purposes only. ****

[Close](#) [Archive](#) [Data/Normals](#) [Rankings](#) [Adjustments](#) [Verification](#) [Verify All Years](#) [Help](#)

Loading...

SF FLATHEAD - HUNGRY HORSE DAM (HHWM8) Forecasts for Water Year 2014					
Official Forecast -10 days QPF: Ensemble: 2014-02-06 Issued: 2014-02-07Hide Forecast					
Forecast Period	Forecasts Are in KAF				30 Year Average (1981-2010)
	90 %	50 %	% Average	10 %	
APR-SEP	1591	1799	90	2110	1988
APR-JUL	1450	1654	88	1969	1871
APR-AUG	1526	1720	89	2058	1936
JAN-JUL	1605	1792	85	2109	2098
-5 days QPF: Ensemble: 2014-02-06 Issued: 2014-02-07Hide Forecast					
APR-SEP	1552	1769	89	2152	1988
APR-JUL	1407	1651	88	2007	1871
APR-AUG	1479	1726	89	2102	1936
JAN-JUL	1569	1800	86	2203	2098
-0 days QPF: Ensemble: 2014-02-06 Issued: 2014-02-07Hide Forecast					
APR-SEP	1563	1830	92	2178	1988
APR-JUL	1400	1702	91	2050	1871
APR-AUG	1471	1779	92	2124	1936
JAN-JUL	1591	1837	88	2237	2098
Move the mouse over the desired "Forecast Period" to display a graph.					

 [Link to image of plot](#)

☐ Max Scale ☒ Scale To Data ☐ Scale To Last 45 Days

Note: Compatible with the latest browsers (Chrome, Firefox, Safari, and Internet Explorer (ie9+)).

Overlay

☐ ESP10 ☐ ESP5 ☐ ESP0

•
•
•

Data Files

[Zoomout](#)

[CSV \(ESP10 / APR-SEP\)](#)

APR-SEP

- [Commerce Home](#) |
- [NOAA](#) |
- [NWS Organization](#) |
- [NWRFC Site Map](#) |
- [Search](#)

- [Freedom of Information Act](#) |
- [Privacy Policy](#) |
- [Information Quality](#) |
- [USA.gov](#) |
- [Career Opportunities](#)



#FF6600
#33CCFF
#0000FF
#660066
#F00007
ESP10,ESP5,ESP0
ESP10,ESP5,ESP0

The Albeni Falls Dam water supply forecast is not used for the implementation of any BiOp actions.
This forecast is provided for informational purposes only.

[Close](#) [Archive](#) [Data/Normals](#) [Rankings](#) [Adjustments](#) [Verification](#) [Verify All Years](#) [Help](#)

Loading...

PEND OREILLE - ALBENI FALLS DAM (ALFW1) Forecasts for Water Year 2014					
Official Forecast					
-10 days QPF: Ensemble: 2014-02-06Issued: 2014-02-07Hide Forecast					
Forecast Period	Forecasts Are in KAF				30 Year Average (1981-2010)
	90 %	50 %	% Average	10 %	
APR-SEP	9909	11412	89	13281	12815
APR-JUL	8921	10350	88	12150	11777
APR-AUG	9469	10968	89	12760	12354
JAN-JUL	10779	12143	86	14127	14189
-5 days QPF: Ensemble: 2014-02-06 Issued: 2014-02-07Hide Forecast					
APR-SEP	9381	11201	87	13300	12815
APR-JUL	8332	10126	86	12159	11777
APR-AUG	8850	10724	87	12791	12354
JAN-JUL	10330	11882	84	14250	14189
-0 days QPF: Ensemble: 2014-02-06 Issued: 2014-02-07Hide Forecast					
APR-SEP	9262	11481	90	13656	12815
APR-JUL	8187	10380	88	12456	11777
APR-AUG	8697	11028	89	13131	12354
JAN-JUL	10206	12187	86	14577	14189
Move the mouse over the desired "Forecast Period" to display a graph.					

 [Link to image of plot](#)

☐ Max Scale ☒ Scale To Data ☐ Scale To Last 45 Days

Note: Compatible with the latest browsers (Chrome, Firefox, Safari, and Internet Explorer (ie9+)).

Overlay

☐ ESP10 ☐ ESP5 ☐ ESP0

•
•
•

Data Files

[Zoomout](#)

[CSV \(ESP10 / APR-SEP\)](#)

APR-SEP

- [Commerce Home](#) |
- [NOAA](#) |
- [NWS Organization](#) |
- [NWRFC Site Map](#) |
- [Search](#)

- [Freedom of Information Act](#) |
- [Privacy Policy](#) |
- [Information Quality](#) |
- [USA.gov](#) |
- [Career Opportunities](#)



#FF6600
#33CCFF
#0000FF
#660066
#F00007
ESP10,ESP5,ESP0
ESP10,ESP5,ESP0