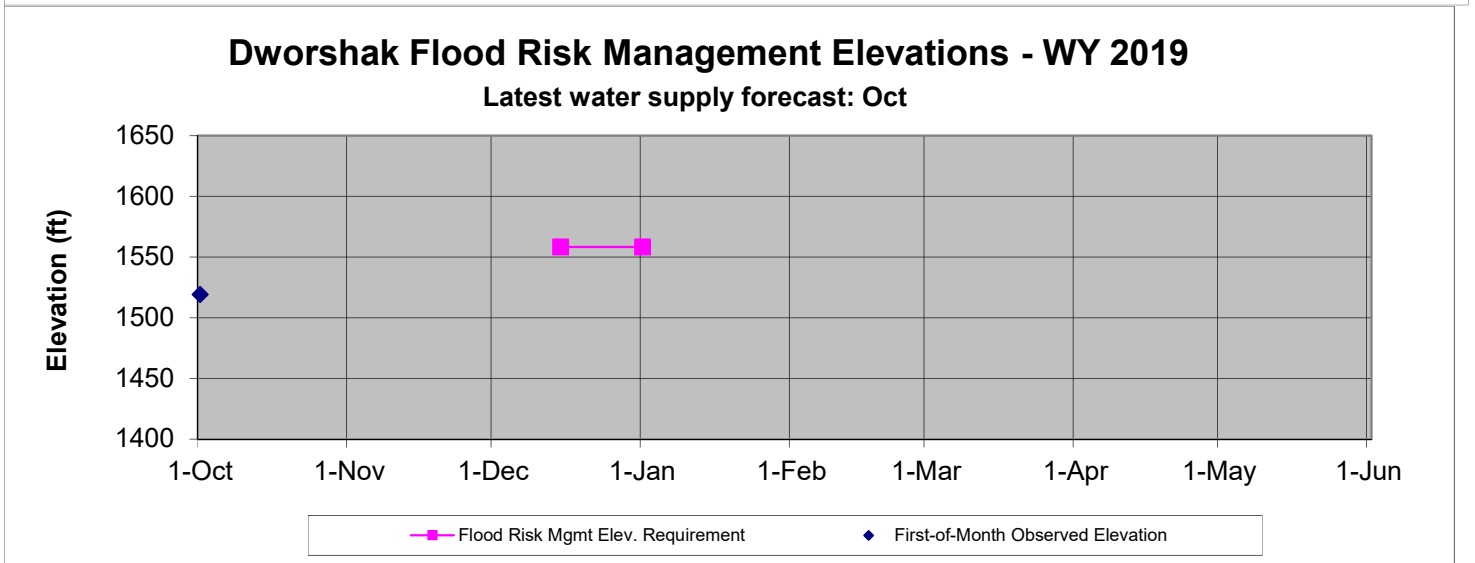
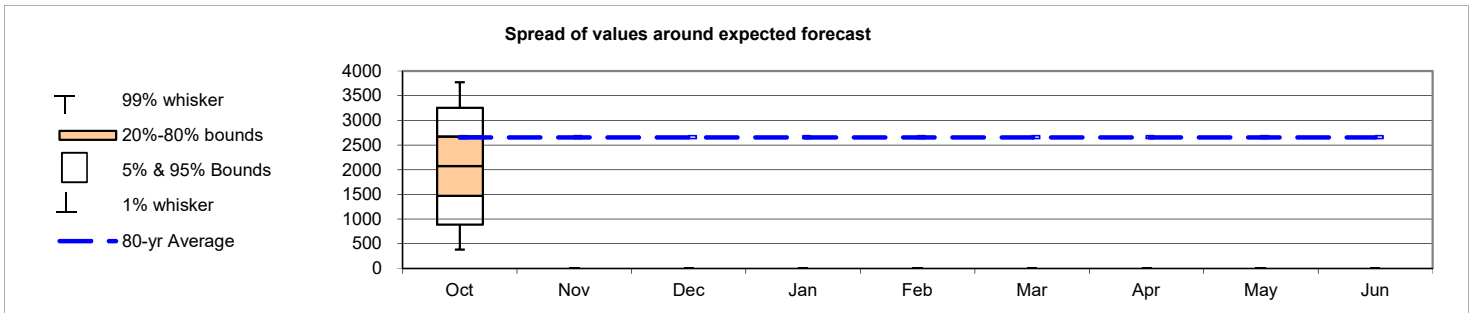


| Runoff Forecast and Flood Risk Management (FRM) | | | | 1981-2010 Average | Percent of 30yr Average | 1929-2008 Average | Percent of Average | | |
|---|---------|----------|-----------|-------------------|-------------------------|-------------------|--------------------|--------|--------|
| Most Probable Runoff Volume | Apr-Jul | 2075 KAF | | 2438 | 85% | 2655 | 78% | | |
| | May-Jul | 1518 KAF | | 1784 | 85% | 1959 | 78% | | |
| 31-Dec Flood Risk Management Space | | | 700 KAF | | | | | | |
| 31-Dec Flood Risk Management Elevation | | | 1558.2 ft | | | | | | |
| <i>Seasonal Flood Risk Management (assumes no shift of flood risk management space to Grand Coulee)</i> | | | | | | | | | |
| Forecast Date>> | Oct | Nov | Dec | Jan | Feb | Mar | Apr | May | Jun |
| Apr-Jul Runoff Forecast | 2075 | | | | | | | | |
| First-of-Month Elev | 1519.3 | | | | | | | | |
| Date >> | | 15-Dec | 31-Dec | 31-Jan | 28-Feb | 31-Mar | 15-Apr | 30-Apr | 31-May |
| FRM Space | -- | 700 | 700 | | | | | | |
| FRM Elevation | -- | 1558.2 | 1558.2 | | | | | | |



Dworshak : October Runoff Forecast & Flood Risk Management Calculation

| Apr-Jul Runoff Forecast Calculation | | | | | |
|-------------------------------------|-------|----------------|--------------|------------------------|-----------------------|
| Variable | Month | Observed Value | % of Average | Regression Coefficient | Marginal Runoff (KAF) |
| | | A | | B | =A*B |
| SOI | Sep | -0.90 | | 569.47 | -512.5 |
| Intercept | | 1 | | 2587.57 | 2587.6 |
| 1-Oct Forecast (KAF) | | | | $\Sigma =$ | 2075.0 |

| Data Station | Sept | Nov | Dec | 1-Jan | 1-Feb | 1-Mar | 1-Apr | 1-May | 1-Jun |
|--|-------|-----|-----|-------|-------|-------|-------|-------|-------|
| Climate (Stdzd SOI) | | | | | | | | | |
| September SOI | -0.90 | | | | | | | | |
| Precipitation (in) | | | | | | | | | |
| Headquarters, ID | -- | -- | -- | -- | -- | -- | -- | | |
| Cumulative HQSI Data | -- | -- | -- | -- | -- | -- | -- | | |
| Snow Water Equiv (First of Month values) (in) | | | | | | | | | |
| Elk Butte, ID | | | | -- | -- | -- | -- | | |
| Cool Creek, ID | | | | -- | -- | | | | |
| Hoodoo Basin, MT | | | | -- | -- | -- | -- | -- | -- |
| Sherwin, ID | | | | -- | -- | -- | -- | | |
| Shanghi Summit, ID | | | | | | | | -- | -- |
| Lost Lake, ID | | | | -- | -- | -- | -- | -- | -- |
| Hemlock, ID | | | | | | | | -- | -- |
| Crater Meadows Mar | | | | | | -- | -- | | |
| Streamflow (End of Month) (kaf) | | | | Jan | Feb | Mar | Apr | May | Jun |
| Dworshak Inflow | | | | -- | -- | -- | -- | -- | -- |

Notes:

1. The given forecast is the official Corps of Engineers forecast for Dworshak. If you have any questions please contact Steve Hall (509-527-7550), Alfredo Rodriguez (509-527-7532), or Jon Roberts (509-527-7518).
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 Management Space is fixed at 700 KAF.

Approval:

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