Based on low flow conditions, many previous alternatives are all converging on the same date, alternatives listed below are to show how adjustments could alter the extension of water from DWR. All alternatives take into consideration current CPC forecast, doble testing, a higher tailwater temperature during the approved time window and water needed to cool the river back down to $68^{\circ}$, and targeting the adult fish trap at $69^{\circ} \mathrm{F}$.

1. Default operation - Summer Spill operations as defined in the 2020 BA. Minimum generation, spill up to 18 kcfs . Spill is through the RSW unless daily inflow is under 21kcfs, then all spill is put released through the conventional spill bays (deep spill).
> Flow Augmentation Ends: ~Aug. $27^{\text {th }}$
2. Alternative operation - Have the RSW remain open for up to 12 hours a day (daylight hours) and then conduct less spill during the other 12 hours through the conventional spill bays (deep spill).
$>$ Flow Augmentation Ends: ~Aug. $26^{\text {th }}$
3. Alternative operation - In combination with option 1 or 2. During doble testing, when units are not available from 06001900, close the RSW and have all spill occur through the conventional spill bays (deep spill), then have the RSW open again at night.
> Flow Augmentation Ends: ~1 day later with this operation
4. Requested operation - Draft Dworshak up to 10 feet deeper than the typical $1,535 \mathrm{ft}$ elevation target by September $1^{\text {st }}$ to provide additional flow augmentation water. DWR board / SRPA releases of 200 KAF through September will be measured based on the observed elevation on midnight August $31^{\text {st }}$.

COMPARISON OF FLOW AUGMENTATION END DATES


| Alternative | Flow Augmentatio n Ending | Days short of End of Aug | Additional Volume Needed (kaf) | End of Aus. <br> Elevation (ft) | End of Sept. Elevation (ft) | Refill Probability by July 1st | Refill Probability by June 25th | Refill Probability by June 20th |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Default Operation* | $\sim$ Aug. $27^{\text {th }}$ | 5 | 85 | 1,529 | 1,513 | 94.5\% | 94.0\% | 94.0\% |
| RSW up to 12 h a day | $\sim$ Aug. $26{ }^{\text {th }}$ | 6 | 102 | 1,528 | 1,512 | 94.0\% | 94.0\% | 93.5\% |
| Default and no daytime RSW during Doble testing | $\sim$ Aug. $28{ }^{\text {th }}$ | 4 | 68 | 1,531 | 1,515 | 95.0\% | 94.5\% | 94.0\% |
| RSW up to 12 h a day and no daytime RSW during Doble testing | $\sim$ Aug. $27^{\text {th }}$ | 5 | 85 | 1,529 | 1,513 | 94.5\% | 94.0\% | 94.0\% |

* Current operations that are being implemented under SOR

Note: Updated and in-depth analysis completed on refill, preliminary numbers have been updated.
Standard refill probabilities for July 1st and June $25^{\text {th }}$ are $95.5 \%$ and Jun. $20^{\text {th }}$ is $95.0 \%$

- SRBA's 200 KAF is drafted between the end of August elevation and the end of September elevation.
- \% Chance of refill is rounded down to the nearest 0.5\%

REVIEW OF DWORSHAK DRAFT


- SRBA's 200 KAF is drafted between the end of August elevation and the end of September elevation.
- \% Chance of refill is rounded down to the nearest $0.5 \%$

