

CENWD-CM-WR-N
22 OCT 2002

MODEL RESULTS
2002 – 2003 Burbot Operation

SOR #2002-B1 Request:

- 45 days of low flow ranging between 4,000 and 10,600 cfs (averaging 7,300 kcfs) as measured at Bonners Ferry.
- Preferably outflows at Libby Dam would remain below the average of 7,300 kcfs.
- Libby would meet the flood control criteria.
- BiOp ramprates would be followed.

Modeling Assumptions:

- Modeled 3 scenarios with the following Apr - Aug volumes: 2 near normal (98 and 101%) and 1 below normal (86%)
- Used ESP inflows
- Modeled CRT-63 (Standard) and VARQ flood control
- Modeled Libby flow at 7,300 cfs or less for 15 Dec – 31 Jan.

Results:

- Regardless of VARQ or standard flood control, the bulk of the draft will come in November and early December.
- In near-normal years:
 - If standard flood control is assumed Libby will need to draft below 2411 ft (by approximately 21 - 16 ft) to meet the 31 Jan flood control target and the 45 days of burbot flows.
 - If VARQ is used, 2411 ft is sufficient to meet the 31 Jan and the 45 days of burbot flows.
- In below normal years 2411 ft is sufficient for both standard and VARQ flood control to draft to meet 31 Jan flood control elevation and 45 days of burbot flows.





