

OUTFLOW GUIDANCE for KNIGHTVILLE DAM WESTFIELD RIVER, MASSACHUSETTS

Revised April 1, 2014		Maximum Outflow (cfs)	Minimum Outflow and Aquatic Base Flow (ABF) (cfs)			Maximum change in Outflow (cfs/hr)	
			Oct. – March ABF=165 cfs	April – May ABF=650 cfs	June – Sept. ABF=80 cfs	Increase	Decrease
KNIGHTVILLE DAM (DA = 162 sq.mi.)	FLOOD CONTROL	4,500	80 cfs			500 cfs/hr to 2,500 cfs then 250 cfs/hr	1,500 cfs/hr
	NORMAL OPERATION	NA	165 cfs or inflow whichever is less	650 cfs or inflow whichever is less	80 cfs or inflow whichever is less	Incremental gate changes as needed to closely mimic run-of-river flow conditions	
	MAINTENANCE	NA				160 cfs/hr below 650 cfs and 320 cfs/hr above 650 cfs	
	WHITEWATER ⁽²⁾	1,000					

NOTES:

1. When storing water to raise the pool to a target pool level, and inflow is less than the seasonal ABF, outflow will be equal to 70% of inflow, therefore, storing only 30% of inflow.
2. During the overnight hours between a 2-day whitewater event, a release equal to inflow will be maintained.
3. Normal pool levels: Dec through April 30 ft; May through Nov 0 ft (drybed)