

# OUTFLOW GUIDANCE for SURRY MOUNTAIN DAM ASHUELOT RIVER, NEW HAMPSHIRE

Revised May 3, 2017		Maximum Outflow (cfs)	Minimum Outflow and Aquatic Base Flow (ABF) (cfs)			Maximum change in Outflow (cfs/hr)	
			Oct. – March ABF=100 cfs	April – May ABF=400 cfs	June – Sept. ABF=75 cfs	Increase	Decrease
<b>SURRY MOUNTAIN DAM</b> (DA = 100 sq.mi.)	FLOOD CONTROL	1,250	75 cfs			300 cfs/hr to 1,000 cfs then 100 cfs/hr	500 cfs/hr
	DAILY OPERATION	NA	100 cfs or inflow whichever is less	400 cfs or inflow whichever is less	75 cfs or inflow whichever is less	<u>Weir controls normal pool;</u> however, if needed, incremental gate changes as needed to closely mimic run-of-river flow conditions	
	MAINTENANCE <sup>(2)</sup>	NA				100 cfs/hr below 400 cfs and 200 cfs/hr above 400 cfs <sup>(2)</sup>	
	WHITEWATER	275					

**NOTES:**

1. When storing water to raise the pool to a target level, and inflow is less than the seasonal ABF, outflow will be equal to 70% of inflow, therefore, storing only 30% of inflow.
2. Due to the dwarf wedgemussel, regulated reductions in outflow below 75 cfs will be avoided. Regulated reductions below 75 cfs require prior notification to the USFWS, and are avoided unless emergency conditions exist. Ramping rates required to reduce outflows below 75 cfs will be 15 cfs/day or less.
3. Normal pool levels: June to Nov: 15 ft; Dec to May: 17 ft

