

HYDRO OPERATING GUIDANCE FOR NORTH HARTLAND DAM/ESSEX HYDRO

	Pool Range	Minimum Outflow	Position 1 Full Hydro Control	Position 2 COE Control, Hydro On	Position 3 COE Control Hydro Off
SUMMER (Saturday before Memorial day through the Sunday after Labor Day)	35.0 ft – 36.75 ft (425.0 ft – 426.75 ft NGVD) (note 1,2,4)	The minimum outflow is 23 cfs or inflow from July 1 thru Oct 31 and 40 cfs or inflow the remainder of the year.	<ul style="list-style-type: none"> • Turbine flow range = 200 to 990 cfs. • Max bypass gate opening=2.5 feet, flow = 900+ cfs. 	<ul style="list-style-type: none"> • Turbine flow range = 200 to 990 cfs. • Bypass gate controlled by COE. 	<ul style="list-style-type: none"> • No flow through turbine. Complete flow controlled by COE through the bypass gate. • Max total outflow = 6000 cfs.
WINTER	35.0 ft – 38.0 ft (425.0 ft – 428.0 ft NGVD)		<ul style="list-style-type: none"> • Max pool level = 50 feet (note 3) • Max total outflow = 2000 cfs. 	<ul style="list-style-type: none"> • Max pool level = 50 feet (note 3). • Max total outflow = 6000 cfs. 	

NOTES:

1. During the summer when inflow is less than 180 or greater than 670 cfs the pool operating range is 35.0 ft to 36.5 feet.
2. During the summer months the pool must be returned to at least 35.5 feet by 10:00 am each day.
3. At a pool level of 50.0 feet the processor will shut down power generation.
4. Beach levels:35.5 Optimal beach level
 36.5 Small beach
 37.5 Nearly no beach