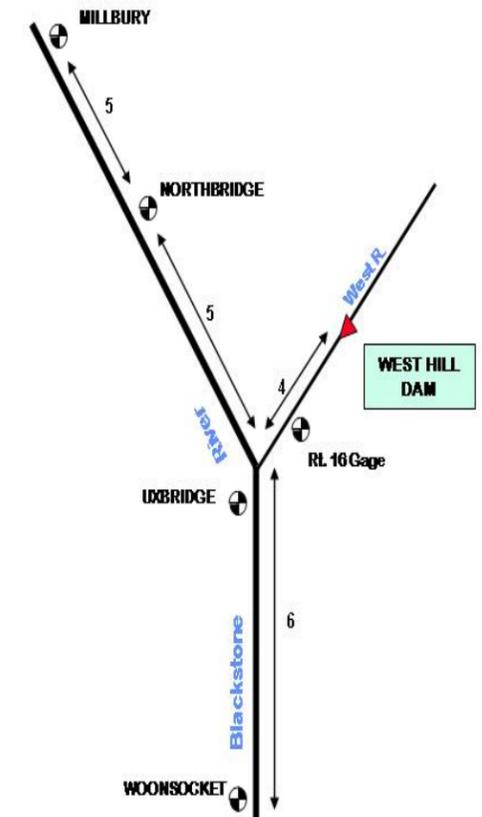


**STANDARD OPERATING PROCEDURE (SOP)  
FLOOD CONTROL REGULATION  
WEST HILL DAM**

PHASE	24-HOUR RAINFALL ON		WEST HILL DAM  RISING POOL STAGE (FEET)	RIVER INDEX STATIONS (STAGE IN FEET)		REGULATION INSTRUCTIONS	DUTIES DURING EACH PHASE
	SNOW COVERED, WET OR FROZEN GROUND	DRY GROUND		BLACKSTONE RIVER		GATE SETTINGS	
				NORTHBRIDGE 139 SQ MI	WOONSOCKET 416 SQ MI		
<b>I-APPRAISAL FIRST ALERT</b>	1.0"	1.0"	5.0	5.8	7.0	NORMAL SETTING	<b>FLOOD CONTROL PROJECT MANAGER</b>  <b>PHASE I</b> 1. Collect and report rainfall and stage data to RRT. 2. Operate according to instructions from RRT.  <b>PHASE II</b> 1. Operate according to instructions from RRT. 2. Note any unusual conditions at dam, in downstream channels or at index stations.  <b>PHASE III</b> 1. Check downstream channel and damage areas. 2. Report to RRT for further instructions.
<b>SECOND ALERT</b>	1.5"	2.0"	As instructed	(1,100 CFS)	(4,400 CFS)	2-2-2'	
<b>INITIAL REGULATION</b>	2.0"	3.0"	8.0	(1,780 CFS)	(4,950 CFS)	RESTRICT OUTFLOW 1-0-1'	
<b>II-CONTINUATION OF REGULATION</b>	3.0"	4.0"	As instructed	8.0	8.0	RESTRICT OUTFLOW TO MINIMUM (25 CFS) 0-0-0.5'	
<b>III-EMPTYING THE RESERVOIR</b>	STORM HAS ABATED		<b>THE NORMAL MAXIMUM RELEASE RATE AT WEST HILL DAM IS 425 CFS.</b>				
<b>EMERGENCY OPERATION PROCEDURE (EOP) DURING COMMUNICATION FAILURE WITH RRT</b>			<b>NOTES:</b> 1. Emptying the reservoir shall not be initiated until contact has been established with RRT. 2. Rate of increase of discharge should not exceed 100 CFS per hour to 300 CFS then 25 CFS per hour to 425 CFS 3. Maximum rate of reservoir drawdown at West Hill Dam should not exceed 5 feet in 24 hours 4. Refer to section 6-f and Plate A-3 for road closures. 5. Refer to section 6-g for snowmelt regulation. 6. Refer to section 4-c for operations during freezing season. 7. Refer to section 6-e for regulation during spillway discharge. 8. Maximum Non-Damaging Channel Capacities at river index stations: West River at Rt. 16 near Uxbridge: 6.8 feet = 425 CFS Blackstone River at Woonsocket: 9.0 feet = 6,680 CFS				
Gate operation for the following conditions:							
	Partial closure (1'-0-1')	Minimum Opening (0-0-0.5')					
<b>RISING STAGES</b>							
	Rainfall 24-hour	2.0"	3.0"				
	Northbridge	6.0'	7.0'				
	Woonsocket	7.0'	7.5'				
	West Hill Reservoir	7.0'	8.0'				
			<b>PROJECT REGULATOR</b>  <b>PHASE I</b> 1. Compile data. 2. Plan and coordinate next instructions to Project Manager. 3. Restrict outflow to maintain safe channel capacity in the Quinebaug River.  <b>PHASE II</b> 1. Continue regulation instructions to Project Manager.  <b>PHASE III</b> 1. Collect data from Project Manager. 2. Check downstream conditions for allowable releases. 3. Continue regulation instructions to Project Manager.				

**Blackstone River Basin**



**LEGEND**

Corps Owned Dam

Gauging Station

High Flow Travel Times (hours)

updated 01/20