

STANDARD OPERATING PROCEDURE (SOP)
FLOOD CONTROL REGULATION
WEST THOMPSON LAKE

PHASE	24-HOUR RAINFALL ON		WEST THOMPSON LAKE RISING POOL STAGE (FEET)	RIVER INDEX STATIONS (STAGE IN FEET)		REGULATION INSTRUCTIONS GATE SETTINGS
	SNOW COVERED, WET OR FROZEN GROUND	DRY GROUND		QUINEBAUG RIVER		
				PUTNAM 331 SQ MI	JEWETT CITY 715 SQ MI	
I-APPRAISAL FIRST ALERT	1.0"	1.0"	16.0	----	13.0 (7,370 CFS)	NORMAL SETTING
SECOND ALERT	1.5"	2.0"	18.0	----	14.0 (8,750 CFS)	0-6-0.1'
INITIAL REGULATION	2.0"	3.0"	19.0	7.5 (3,100 CFS)	15.0 (10,240 CFS)	RESTRICT OUTFLOW 0-4-0.1'
II-CONTINUATION OF REGULATION	3.0"	4.0"	As instructed	8.5 (4,000 CFS)	16.5 (12,650 CFS)	RESTRICT OUTFLOW TO MINIMUM (90 CFS) 0-1'-0
III-EMPTYING THE RESERVOIR	STORM HAS ABATED		THE NORMAL MAXIMUM RELEASE RATE AT WEST THOMPSON LAKE IS; 2,300 CFS (NON-GROWING SEASON) 1,800 CFS (GROWING SEASON)			

EMERGENCY OPERATION PROCEDURE (EOP) DURING COMMUNICATION FAILURE WITH RRT

Gate operation for the following conditions:

	Partial closure (0-2-0.1)	Minimum Opening (0-1-0)
Rainfall 24-hour	2.0"	3.0"
RISING STAGES		
Putnam	7.0'	8.0'
Jewett City	14.0'	16.0'

- NOTES:**
- Emptying the reservoir shall not be initiated until contact has been established with RRT.
 - Rate of increase of discharge should not exceed 500 CFS per hour to 1,600 CFS then 200 CFS per hour to 2,300 CFS
 - Maximum rate of reservoir drawdown at West Thompson Lake should not exceed 5 feet in 24 hours
 - Refer to Plate D-3 for road closures.
 - Refer to section D-05 paragraph (e) for snowmelt regulation.
 - Refer to section D-05 paragraph (f) for ice jam flooding.
 - Refer to section D-05 for regulation during spillway discharge.
 - Maximum Non-Damaging Channel Capacities at river index stations:
 Quinebaug River at Putnam: 9.5 feet = 5,000 CFS
 Quinebaug River at Jewett City: 17.5 feet = 14,400 CFS

- DUTIES DURING EACH PHASE**
- FLOOD CONTROL PROJECT MANAGER**
- PHASE I**
 1. Collect and report rainfall and stage data to RRT.
 2. Operate according to instructions from RRT.
- PHASE II**
 1. Operate according to instructions from RRT.
 2. Note any unusual conditions at dam, in downstream channels or at index stations.
- PHASE III**
 1. Check downstream channel and damage areas.
 2. Report to RRT for further instructions.
- PROJECT REGULATOR**
- PHASE I**
 1. Compile data.
 2. Plan and coordinate next instructions to Project Manager.
 3. Restrict outflow to maintain safe channel capacity in the Quinebaug River.
- PHASE II**
 1. Continue regulation instructions to Project Manager.
- PHASE III**
 1. Collect data from Project Manager.
 2. Check downstream conditions for allowable releases.
 3. Continue regulation instructions to Project Manager.

