

SAFETY EVALUATION REPORT
Haddam Neck Plant
IPSAR Section 4.1.4(1) Emergency Procedures - Flooding

1.0 Introduction

In Section 4.1.4(1) of the Integrated Plant Safety Assessment Report (IPSAR) for Haddam Neck, NUREG-0826, the staff recommended that the river level for initiation of emergency procedures for rising flood water be reduced. The licensee proposed to assess the time required to implement flood protection actions to determine whether the river levels selected to initiate various portions of the procedure are appropriate and to demonstrate that sufficient time is allowed by a walk-through of the procedures.

2.0 Discussion

The staff observed a demonstration of installation of the flood protection devices at Haddam Neck in November 1983. This demonstration was intended primarily to verify system capability and availability of equipment and procedures rather than speed of installation. In fact some of the protection was partially installed prior to the demonstration. However, based on observations of licensee controls of procedures and equipment and on assessment of the required actions, the staff concludes that it is reasonable to expect that the protection devices could be installed within one shift (8 hours) of flood warning.

The staff also reviewed the licensee's flood emergency procedures, as revised in June 1984 following a high river level event. This procedure, Abnormal Operating Procedure AOP 3.2-24, "Flooding of the Connecticut River", establishes the following:

"4.4 When forecasts indicate a level of 21.0 feet (MSL) will be reached and when the river reaches elevation 16.0 feet (MSL), dispatch personnel to install the following flood protection barriers as detailed in Figure 1, Attachment "A" to this procedure."

This step makes the licensee's response to flooding dependent on forecasted flood levels. Therefore, the staff evaluated the accuracy of the flood level forecasts, the transfer of forecasted levels from upstream locations to the site and the timing requirements.

3.0 Evaluation

3.1 Prediction of Flood Levels by NWS. The National Weather Service (NWS) River Forecast Center, Hartford, Connecticut ^{1/}, issues flood warnings and predicts flood levels at several locations along the

^{1/}Actually located in Bloomfield, Connecticut, 3 miles north of Hartford's northern city limits.

Connecticut River and its tributaries. These predictions are based on empirical relations between precipitation (rainfall and snow), measured upstream river flow and the predicted downstream river flow. There is no formal documentation of the present model configuration other than the computer program in the NWS inhouse computer in the Bloomington, Conn. office. Also, there is no formal documentation of the development of the program. From a telephone discussion (9/5/84) and visit to the NWC River Forecast Center (12/19/84) it was learned that the Connecticut River Basin flood forecast model was developed between 1955 and 1965. The basin is divided into subareas of 250-500 mi² for which unit hydrographs were developed using data from about 5000 storm events. A discharge from each subarea is calculated from the measured precipitation, an antecedent precipitation index (API) and the unit hydrograph, and is then routed downstream with a Muskingum routing procedure.

When the river system is flooding all dams are assumed to store the flood flow and just release at the base flow rate. Information from about 100 precipitation gages and 12 river gaging stations is used in an interactive way during a flood event to refine the forecasts. In general, the Connecticut River Basin flood forecasting system is analogous to one for the Susquehanna River Basin that has been described in good detail (Susquehanna River Basin Commission, 1979). When flow rate (i.e., cubic feet per second) has been forecasted for a particular location along the river, it is converted to a level of flooding by using a rating relation for that location, and that level is broadcast to the public.

As may be appreciated, such a forecast model has many possibilities for errors in arriving at the final prediction. The NWS has no error evaluation for their Connecticut River Basin model and thus are not able to provide any confidence limits for their predictions. An error evaluation (Burn and McBean, 1985) for a river flow forecasting model of the Sturgeon River gives some indication of what prediction accuracy could be expected. The Sturgeon River basin drains about 2,700 mi² area in the Canadian shield region of northern Ontario. The Connecticut River basin above Haddam Neck has an area of about 10,900 mi² (Franklin Research Center, 1982). Thus the Sturgeon River basin is about one fourth the size of the Connecticut River basin and probably has more contribution to runoff from snow; however, the results of the error analysis for their Kalman filter model are indicative of what might be determined for NWS Connecticut River forecast model if it were to be rigorously analyzed. The Kalman filter model combines two independent estimates of system state to produce an optimal or minimum variance estimate, and they have successfully used precipitation and streamflow measurements to update model parameters, noise component estimates and short-term forecasts (Haan et al., 1982). In a general sense, the NWS Connecticut River flood prediction model functions similarly to a Kalman filter model. The peak flow predictions had errors ranging from 2 to 19 percent with an average of 11 percent.

For six selected flood events on the Connecticut River a comparison was made (Table 1) of the NWS predicted flood level and measured flood level at the Middletown (Bodkin Rock) gage which is 9.6 river miles upstream of the plant. The information in Table 1 shows that predictions of flood levels varied from -17 to +15 percent from the measured peak levels with a negative indicating a low prediction and a positive a high prediction. Errors in peak flow predictions cannot be compared directly with those of elevation predictions because of the rating relation between flow and stage (elevation). Copies of the NWS flood forecasts, from which the information for Table 1 was obtained, are assembled in Appendix A.

- 3.2 Transfer of NWS Forecast to Haddam Neck. The NWS flood level prediction for Middletown needs to be converted into a discharge or flow rate (See Rating Relation, Appendix B) and then this flow value (without any attenuation) is transferred to the Haddam Neck site (9.6 river miles downstream). This discharge is converted back into a flood level by using a stage-discharge relation developed specifically for the river reach beside the plant. This rating relation and an evaluation of transferring flow values to the Haddam Neck site were made by the Licensee and their report is appended in Appendix B. In general additional errors can be introduced in translating flood levels to discharge and then back to flood levels. Magnitudes of these errors have not been quantified; thus additional margin must be considered to accommodate these errors.
- 3.3 Flood Warning Time. The information for the six selected events in Table 1 shows that nominal 24 and 48 hour flood forecasts are made. In general the 24 hour forecast is a refinement and is improved over the 48 hour forecast.

The licensee's Abnormal Operating Procedure AOP 3.2-24 calls for initial reactions to flood warnings received from "Convex" and "USGS River Forecasting Center" at a river level 12.0 ft (msl) or greater. A minor point is that "USGS" should be corrected to NWS. Presently the Haddam Neck control room receives the NWS forecasts through the Connecticut Valley Electric (Convex) or indirectly through the public news media. Two memoranda (June 24, 1982 and July 20, 1983) cover the dissemination of weather information from Convex to the power plant control room supervisor or operator. Presumably, floods are included among the events for which warnings would be conveyed to the control room operators, but they are not explicitly mentioned (See Appendix C for copies of these memos).

Communication channels between the Haddam Neck control room and Convex are varied and redundant (2 dedicated phone lines, 2 restricted outside phone lines for which Convex has the numbers, normal commercial phone line and a two-way radio connection). The staff concludes that information can be conveyed from Convex to the operators in the control room. However, there may be delays involved between receipt of warnings by Convex and their notification of the Haddam Neck operator. Since Convex concerns are primarily associated with power distribution and the influence of severe weather on the power grid and transmission lines, their focus is not on reconveying flood forecasts. The need for sending flood

forecasts to the control room operators could be made explicit in Convex's memoranda. A further improvement would be to have the control room operator contacted directly by the NWS with their flood forecast. The restricted phone numbers could be given to the NWS and used by them for a direct notification. The NWS provides such services to others. Another advantage from the direct contact with NWS Flood Forecast Center would be that they could provide the estimated discharge value at the Middletown gage which in turn could be used directly in the Haddam Neck rating relation for a prediction of flood level. This arrangement would eliminate the step of converting predicted flood levels at Middletown to discharge.

Since the plant has demonstrated that they can install the flood protection within 8 hours, flood warning times of 24 hours, even if there would be several hours of delay in conveying the warning to the plant operators, are adequate for providing the necessary flood protection at the plant. However, warning time could be improved by providing direct communication between the NWS and control room operator as discussed above.

4.0 Conclusions and Recommendations

Based on review of the licensee's flood protection procedures and the forecasting capabilities, the staff concludes that Section 4.4 of AOP 3.2-24 should be revised to read

"4.4 When forecasts indicate a level of 19.0 feet (MSL) will be reached and when...".

This change would direct implementation of flood protection barriers at a lower level than at present and is intended to account for uncertainties in forecasting and transmittal of forecast information. With this change, the staff finds the licensee's procedures for responding to river flooding acceptable.

In addition, the staff offers the following recommendations to improve the procedure:

- a) Correct line 2.2 of AOP 3.2-24 by changing USGS to NWS.
- b) Arrange for the NWS River Forecast Center to directly notify the Haddam Neck Control Room operator with their flood predictions for the Middletown gage site.
- c) Arrange for the NWS River Forecast Center to give the operator the flood prediction at the Middletown gage in terms of discharge which in turn can be used directly with the Haddam Neck rating relation to determine the forecasted flood level at the plant.
- d) Revise the Convex memoranda to explicitly mention flood level forecasts and the appropriate dissemination of this information.
- e) Prepare appropriate rating relations and tables with instructions and attach to the AOP so that the flood level or flood discharge forecasts can immediately be translated into flood levels at the plant.

5.0 References

Burn, D. H. and E. A. McBean, 1985, "River Flow Forecasting Model for Sturgeon River," Jour. of Hyd. Engr. ASCE 111:2, Feb.

Franklin Research Center, 1982, "Hydrologic Considerations (SEP, II-3A, B.1, C; III-3B) Connecticut Yankee Atomic Power Company Haddam Neck Plant," NRC Docket No. 50-213, NRC Contract No. NRC-03-79-118 June 25, Revised August 27 transmitted by letter dated September 10, 1982 (D. Crutchfield to W. Council)

Susquehanna River Basin Commission, 1979, "Flood Forecast and Warning System Evaluation Susquehanna River Basin New York, Pennsylvania and Maryland," Report of an Interagency Task Force for the U.S. Army Corps of Engineers, Baltimore District, January.

Haan, C. T., H. P. Johnson, D. L. Brakensick, "Hydrologic Modeling of Small Watersheds," ASAE Monograph No. 5, American Society of Agriculture Engineers, 1982.

Table 1. Comparison of Selected Flood Stages and NWS Forecasted Flood Stages at Bodkin Rock (Near Middletown) Gage, Connecticut River

Flood Date M/D/Y	Peak Time	Measured Peak Stage (ft msl)	24 Hr Forecast			48 Hr Forecast			72 Hr Forecast	
			Date Time	H (est) T (est)	% Error of H	Date Time	H (est) T (est)	% Error of H	Date Time	H (est) T (est)
04/04/76	13:00	13.5	04/03/76 10:26	13-14 04/1-13	(±4)	04/02/76 11:03	13-14 04/AM	(±4)	04/01/76 21:44	~15 04/AM
03/16/77		13.8	03/15/77 10:51	13½ 16/PM	(-2)	03/14/77 09:16	~12 16/AM	(-13)		
						10:22	~11½ 16/AM	(-17)		
02/27/81	~11:00	13.0	02/26/81 11:22	15-15½ Dur 27	(+15)	02/25/81 11:48	Nr 11 26/ErAM	(-15)	02/24/81 11:04	Nr 12½ 25/AM
12/17/83		11.7	12/16/83 11:36	11½ 17/AM	(-2)	12/15/83 11:21	12 16/PM	(+2)	12/14 22:24	Nr 10 16
04/09/84	7:00	12.4	04/08/84 05:00	12½-13 09/ErAM	(+1)	04/07/84 11:15	12½-13 08/PM	(+1)	04/06/84 11:18	10½-11 07/PM
06/02/84	7:00	21.3	06/01/84 11:48	21-22 02/AM	(-1, +3)	05/31/84 12:00	Nr 21 02/ErAM	(-1)	05/30/84 10:40	13-14+ 05-31/AM+
			22:46	Nr 21½ 02/AM	(+1)	23:21	Nr 21 02/ErAM	(-1)	17:40 23:03	15-16 05-31/AM+ To 19 01/AM

Note:

H = Stage in feet
T = Time Day/Time of Day
Dur = During day indicated
Er = Early

Nr = Near
+ = or Higher
+ = or Later

$$\% \text{ Error} = \frac{(H \text{ est} - \text{Measured Peak Stage})}{100 (\text{Measured Peak Stage})}$$

APPENDICES

Appendix A
National Weather Service Forecasts
for
Selected Flood Events

CONNECTICUT RIVER FLOOD CREST STAGES

at

Bodkin Rock near Middletown, Conn. (USGS gage)

Flood Stage 8 ft.

BODKIN ROCK

<u>Year</u>	<u>Date</u>	<u>Stage (feet)</u>
1814		21.4 *
1848		20.8 *
1854		23.4 *
1860		20.8 *
1861		20.2 *
1927		20.3 *
1936	March 21	28.2 *
1938	Sept. 23-24	25.8 *
1947	April 15	11.8
1948	March 24	16.1
1949	Jan. 2	16.7
1950	April 7-8	10.1
1951	April 2, 5	13.6
1952	June 4	13.4
1953	March 30	16.7
1954	April 20	10.2
1955	Aug. 20	20.4
1956	Oct. 17	13.9
1957	Jan. 26	7.3
1958	April 25	13.8
1959	April 6	12.2
1960	April 7	18.7 ✓
1961	April 26	9.4
1962	April 3	12.9
1963	April 3	11.7
1964	April 17	11.1
1965	April 19	4.8
1966	March 28	7.3
1967	April 5	9.5
1968	March 26	12.4
1969	April 24	14.4 ✓
1970	April 28	9.7
1971	May 7	9.6
1972	May 7	11.7
1973	July 3	12.1

* Taken from
High Water Marks

CONNECTICUT RIVER FLOOD CRESTS

AT

MIDDLETOWN, CONNECTICUT

Flood Stage 8 ft.
Bodkin Rock Gage

Year	Date	Stage (feet)
1974	April 7	9.3
1975	October 22	10.9
1976	April 4	13.5 ✓ @ 1.00 pm
1977	March 16	13.8 ✓
1978	January 11	8.4
1979	March 8	12.5
1980	April 12	10.8
1981	February 27	13.0 ✓ 12.7
1982	April 20	11.5
1982	June 8	11.2
1983	April 21	10.6
1983	December 17	11.7
1984	April 8	12.4
1984	June 2	21.3 (Best Forecast)

- ① Should predict within a 1' with a 24 hr forecast
- ② 48 Hr. Forecast

1976, April 4 (13:00) 13.5 ft

ZCZC
WRUS RWRA 012201
F\$SSSSSSSSSSZZZZZ

BULLETIN

NOAA NORTHEAST RIVER FORECAST CENTER
1701EST THUR 4/ 1/76

FLOOD WARNING BULLETIN

HEAVY RAINS IN THE CONNECTICUT RIVER BASIN IN THE LAST 24 HRS WILL PRODUCE SIGNIFICANT FLOODING ALONG THE CONNECTICUT RIVER THROUGH MASSACHUSETTS AND CONNECTICUT. IN THE NORTHERN PART OF THE BASIN RAINS ARE STILL CONTINUING AND THE FINAL SIZE OF THE FLOOD EVENT IS NOT ENTIRELY CLEAR.

THE FOLLOWING CREST REPRESENT MINIMUM GUARANTEES RATHER THAN FINAL FINAL FORECAST. THEY SHOW SUBSTANTIAL FLOODING THROUGHOUT ALL THE UNPROTECTED LOWLANDS THROUGH BOTH STATES.

RIVER OR LOC FS OR OBS FORECAST
FLOW 1PM

CONNECTICUT RIV			
MONTAGUE CITY	28 24.9	CREST 33 ⁵ / ₃₄ FT	2/19
NORTH HAMPTON	112	CREST 116 ¹ / ₁₁₇ FT	3/1AM
HOLYOKE	9 6.3	CREST 10 FT	3/1AM
SPRINGFIELD	20 11.6	CREST 17 FT	3/7AM
HARTFORD	16 17.7	CREST 23 FT	3/7PM
THOMSONVILLE	15 9.9	CREST 14 ¹ / ₁₅ FT	4/7AM

{
IGNI IGNORE FLOOD STAGE AT THOMSONVILLE IS WRONG
THE NEXT MESSAGE WILL BE ISSUED NEAR 10PM TONIGHT
ALL INTEREST ARE URGED TO CHECK THIS MESSAGE SINCE
FORECAST MAY BE REVISED UPWARD
AUTH HOPKINS

NNNN

4/4/76 - 1

*ZCZC
*RUS RWRA 020244
ZZZZZ

BULLETIN

NORMA WEATHER SERVICE RIVER FORECAST CENTER HARTFORD CT
21 44EST THURSDAY 04/01/76

FLOOD WARNING BULLETIN FOR THE LOWER CONNECTICUT RIVER IN MASS
ACHUSETTS AND CONNECTICUT.

HEAVY RAIN IN THE CONNECTICUT RIVER BASIN HAS CAUSED SUBSTANTIAL
RISES IN THE CONNECTICUT RIVER. FLOODING IS NOW OCCURRING IN THE
UPPER CONNECTICUT RIVER AND ALONG MOST OF THE LOWER CONNECTICUT
RIVER IN MASSACHUSETTS AND CONNECTICUT. MODERATE FLOODING WILL
CONTINUE FOR THE NEXT COUPLE OF DAYS. ALL INTERESTS ALONG
THE CONNECTICUT RIVER SHOULD BE ON THE ALERT FOR THE EXPECTED CRESTS.

FOLLOWING ARE CREST FORECASTS.....

AT MONTAGUE CITY MASS THE 7 PM STAGE WAS 28.5 FT AND IT WILL
CREST BETWEEN 32 AND 33 FT FRIDAY MORNING. FLOOD STAGE IS 28 FT.

AT NORTHAMPTON MASS THE CREST WILL BE NEAR 116 FT ABOUT FRIDAY
MIDNIGHT AND FLOOD STAGE HERE IS 112 FT.

AT HOLYOKE MASS THE CREST WILL BE BETWEEN 9 AND 10 FT ABOUT
FRIDAY MIDNIGHT. FLOOD STAGE IS 9 FT.

AT SPRINGFIELD MASS THE 7 PM STAGE WAS 12.1 FT AND THE CREST
WILL BE NEAR 17 FT SATURDAY MORNING. FLOOD STAGE IS 20 FT.

AT THOMPSONVILLE CT THE 7 PM STAGE WAS 5.5 FT AND THE CREST WILL
BE NEAR 8 FT SATURDAY MORNING.

AT HARTFORD CT THE 7 PM STAGE WAS 18.1 FT AND WILL CREST
BETWEEN 23 AND 24 FT SATURDAY EVENING. FLOOD STAGE IS 16 FT.

* AT BODKIN ROCK NEAR MIDDLETOWN CT THE 7 PM STAGE WAS 9.9 FT.
IT WILL CREST NEAR 15 FEET EARLY SUNDAY MORNING. FLOOD STAGE
HERE IS 8 FEET.

AT SIMSBURY CT ON THE FARMINGTON RIVER THE 8 PM STAGE WAS
7.5 FT. IT WILL CREST BETWEEN 11 AND 12 FEET FRIDAY AFTERNOON.
FLOOD STAGE HERE IS 12 FT.

THE NEXT MESSAGE WILL BE ISSUED FRIDAY MORNING
AUM HOPKINS

920PM WS

OR PLS C ACK

4/4/76-2

37..37..37

FOR CT POLICE NETWORK DISSEMINATION
PLS RELAY TO SP HDQS IN MA CT

NOAA WEATHER SERVICE RIVER FORECAST CENTER HARTFORD CT
11 03EST FRIDAY 04/02/76

FLOOD STATEMENT FOR MASS AND CONNECTICUT

THE CONNECTICUT RIVER IS STILL RISING THROUGHTOUT ITS ENTIRE LENGTH IN MASS AND CONNECTICUT. ON THE LOWER MERRIMACK THE RIVER WILL BARELY REACH ITS 52 FOOT FLOOD STAGE AT LOWELL MIDDAY SATURDAY. THE MORNING STAGE WAS 42.7 FT. AT LAWRENCE WERE FLOOD STAGE IS 20 FT THE STAGE THIS MORNING WAS 15.4 FT. A CREST OF 19 TO 20 FT WILL OCCUR MIDDAY SATURDAY. HAVERHILL WILL CREST SATURDAY AFTERNOON BELOW FLOOD STAGE.

SPECIFIC CREST FORECAST FOR THE CONNECTICUT ARE AS FOLLOWS

	FLOOD STAGE	7AM STAGE	CREST FORECAST
CONNECTICUT RIVER			
MONTAGUE CITY	28	30.7	NEAR 32 FT AT MIDNIGHT OF FRIDAY
NORTHAMPTON	112		NEAR 115 FT MIDNIGHT OF THURSDAY
HOLYOKE	9	8.4	9 TO 9 1/2 FT MIDNIGHT FRIDAY
SPRINGFIELD	20	14.0	15 TO 16 FT MIDDAY SATURDAY
HARTFORD	16	19.0	21 TO 22 FT. MIDNIGHT SATURDAY
THOMSONVILLE		6.3	7 TO 8 FT MIDDAY SATURDAY
* BODKIN ROCK	8	10.2	13 TO 14 FT SUNDAY MORNING

THE NEXT MESSAGE WILL BE ISSUED SATURDAY MORNING
AUTH HOPKINS

NNNN

CORR NORTH HAMPTON CREST NEAR 115 FT MIDNIGHT OF FRIDAY

4/4/76-3

NNBVCAZZNEDFGHJKLCPQIWWWWW

ZCZC

RWUL RWR. 031520

NORT. WEATHER SERVICE RIVER FORECAST CENTER HARTFORD CT
10 20151 SATURDAY 4/03/76

FLOOD STATEMENT FOR MASSACHUSETTS AND CONNECTICUT

THE CONNECTICUT RIVER CREST IS NOW IN THE SPRINGFIELD MASSACHUSETTS AREA AND THE RIVER IS NOW FALLING NORTH OF SPRINGFIELD AND STILL RISING IN CONNECTICUT.

ON THE MERRIMACK RIVER THE CREST IS JUST APPROACHING LOWELL MASS. CRESTING THERE LATER TODAY. AT LOWELL MASS. THIS MORNING'S STAGE WAS 21.0 FEET AND IT WILL CREST TODAY SLIGHTLY BELOW ITS FLOOD STAGE OF 52 FEET.

LAWRENCE MASS. WILL CREST THIS AFTERNOON ALSO SLIGHTLY BELOW ITS FLOOD STAGE OF 20 FEET AND HAVERHILL THIS EVENING BELOW ITS FLOOD STAGE OF 15 FEET.

FORECASTS FOR THE CONNECTICUT RIVER ARE AS FOLLOWS

RIVER AND LOC TS TIDE FORECAST

CONNECTICUT RIVER

WATERGUL CITY	28	31.5	FALL BELOW FLOOD STAGE LATE TOMORROW
SPRINGFIELD	20	10.0	NOW NEAR CREST
HOLYOKE	9	9.4	FALL BELOW FLOOD STAGE LATE TOMORROW
THOMPSONVILLE		7.4	NOW NEAR CREST
HARTFORD	10	21.0	CREST NEAR 22 1/2 FEET APRIL 4 12:10 PM
* BUCKIN ROCK	8	12.0	CREST 13.0 14 FEET APRIL 4 1AM TO 1PM

THE NEXT MESSAGE WILL BE ISSUED SUNDAY MORNING
AUG. HOPKINS

4/4/76-4

RWUS RWRA 041402

NOAA WEATHER SERVICE RIVER FORECAST CENTER HARTFORD CT
09 02EST SUNDAY 04/04/76

RIVER STATEMENT FOR MASSACHUSETTS AND CONNECTICUT

THE CREST ON THE MERRIMACK RIVER IS IN THE LOWELL HAVERHILL AND LAWRENCE AREA OF MASSACHUSETTS TODAY AND THE MERRIMACK WILL BEGIN A SLOW FALL TONIGHT.

THE CONNECTICUT RIVER IN MASSACHUSETTS IS NOW FALLING AND THE CREST IS IN THE HARTFORD MIDDLETOWN REACH WHERE A VERY SLOW FALL WILL BEGIN TONIGHT.

STAGES AND FORECASTS ARE AS FOLLOWS

RIVER OR LOC	FS OR FLOW	OBS 7AM	REMARKS
MERRIMACK RIVER LOWELL	52	51.0	FALLING SLOWLY FROM LOWELL TO MOUTH
CONNECTICUT RIVER MONTAGUE CITY	28	29.5	WILL FALL BELOW FLOOD BY TOMORROW
HOLYOKE	9	8.9	FALLING
SPRINGFIELD	20	15.3	FALLING
HARTFORD	16	22.4	NOW NEAR CREST WILL BEGIN SLOW FALL TONIGHT
* <u>BOLKIN ROCK</u>	8	<u>13.4</u>	NOW NEAR CREST WILL BEGIN SLOW FALL TONIGHT }

THE NEXT MESSAGE WILL BE ISSUED MONDAY MORNING
AUTH HOPKINS

4/4/76-5

ZCZC
WRUS RWRA 15 216
-HFD

1977, March 16 13.8 ft

BULLETIN

FLOOD STATEMENT FOR CONN HOUSATONIC MERRIMACK
NATIONAL WEATHER SERVICE BLOOMFIELD CT
916PM EST MON MAR 14 1977

THE CONNECTICUT AND HOUSATONIC RIVERS ARE NOW IN FLOOD THROUGHOUT MOST OF THE TWO STATE AREA. THE CONNECTICUT IS NOW NEAR CREST IN NORTHERN MASSACHUSETTS. IT WILL BE CRESTING TUESDAY MORNING IN THE HOLYOKE SPRINGFIELD AREA LATE IN THE DAY IN HARTFORD AND WEDNESDAY MORNING AT BODKIN ROCK NEAR MIDDLETOWN.

AN ADDITIONAL HALF TO 3/4 OF AN INCH OF RAIN IN THE HOUSATONIC BASIN WILL CAUSE THIS RIVER TO RISE SLIGHTLY HIGHER THAN PREVIOUSLY FORECAST. THE RIVER WILL BE CRESTING IN BOTH CONNECTICUT AND MASS TUESDAY MORNING AT LEVELS SLIGHTLY HIGHER THAN THOSE MEASURED AT 7 PM.

MINOR FLOODING WILL OCCUR ON THE CHARLES MERRIMACK AND NASHUA RIVERS IN MASSACHUSETTS. SPECIFIC STAGES AND CREST TIMES ARE LISTED BELOW.

RIVER OR LOC FS OR OBS FORECAST
FLOW 7 PM

CONNECTICUT RIV
MONTAGUE CITY

28 32.9 NOW NEAR CREST LITTLE CHANGE NEXT 12 HRS
SLOW FALL THEREAFTER

NORTH HAMPTON 112 ^{916.0}~~114.5~~ NOW NEAR CREST LITTLE CHANGE NEXT 12 HRS
SLOW FALL THEREAFTER

HOLYOKE 9 CREST NEAR 9 TO 10 FT TUESDAY MORNING

SPRINGFIELD 20 14.8 CREST 15 TO 16 FT TUESDAY MORNING

THOMPSONVILLE 6.8 CREST NEAR 7 1/2 FT TUESDAY MORNING

HARTFORD 16 17.5 CREST NEAR 21 FT LATE TUESDAY EVENING

~~BODKIN ROCK~~ 8 7.0 CREST NEAR 12 FT WEDNESDAY MORNING

FARMINGTON RIVE
SIMSBURY

12 11.1 CREST NEAR 12 FT TUESDAY MORNING

HOUSATONIC RIV

□ > GT. BARRINGTON 9 9.8 CREST NEAR 10 TO 11 FT TUESDAY NOON

GAYLORDSVILLE 8 10.9 NOW NEAR CREST LITTLE CHANGE NEXT 12 HRS

STEAVENSON 12 11.5 NOW NEAR CREST LITTLE CHANGE NEXT 12 HRS

NASHUA RIVER

EAST PEPPERELL 8 8.8 CREST 11 TO 12 FT TUESDAY EVENING

MERRIMACK RIVER

LOWELL 52 51.2 CREST 52 TO 53 FT TUESDAY EVENING

LAWRENCE 20 CREST NEAR 20 TO 21 FT TUESDAY EVENING

THE NEXT MESSAGE WILL BE ISSUED TUESDAY MORNING MARCH 15

AUTH HACKETT

3/16/77 -1

31....31....31

S FOR CT POLICE NETWORK DISSEMINATION
PLS RELAY TO SP HDQS IN MA CT RI

BULLETIN

FLOOD STATEMENT FOR SOUTHERN NEW ENGLAND
NATIONAL WEATHER SERVICE BLOOMFIELD CT
1022AM EST MON MAR 14 1977

FLOOD STATEMENT FOR SOUTHERN NEW ENGLAND.

HEAVY RAINFALL DURING THE PAST 24 HOURS HAS CAUSED LOWLAND FLOODING OF SMALL STREAMS AND BROOKS PARTICULARLY IN THE WESTERN HALF OF CONNECTICUT AND MASSACHUSETTS. THE SMALL STREAMS AND BROOKS WILL BE RETURNING TO THEIR BANKS LATER TODAY.

LARGER STREAMS WILL CONTINUE RISING WITH LOWLAND FLOODING ALONG THE HOUSATONIC, CONNECTICUT AND CHARLES RIVERS.

FOLLOWING ARE FORECASTS FOR SOUTHERN NEW ENGLAND RIVERS.....

HOUSATONIC RIVER

GREAT BARRINGTON MASS...7 AM STAGE 8.9 FT. FLOOD STAGE 9 FT.
CREST 9 1/2 TO 10 FEET LATE TONIGHT.

GAYLORDSVILLE CONN..7 AM STAGE 9.6 FT FLOOD STAGE 8 FT.
CREST NEAR 10 FEET EARLY THIS AFTERNOON.

STEVENSON CONN 7 AM STAGE 11.2 FT. FLOOD STAGE 12 FT. CREST
NEAR 12 FEET THIS AFTERNOON.

CHARLES RIVER AT CHARLES RIVER VILLAGE MASS.. 7 AM STAGE 3.7 FT
FLOOD STAGE 4 FEET. REACH NEAR BANKFULL THIS AFTERNOON AND LITTLE
CHANGE FOR NEXT FEW DAYS.

CONNECTICUT RIVER

MONTAGUE CITY MASS 7 AM STAGE 28.9 FT. FLOOD STAGE 28 FT. CREST
NEAR 30 FEET THIS EVENING.

NORTHAMPTON MASS 7 AM STAGE 111 FT. FLOOD STAGE 112 FT. CREST
NEAR 114 FEET TONIGHT.

HOLYOKE MASS 7 AM STAGE 7.4 FEET. FLOOD STAGE 9 FEET. CREST
NEAR 9 FEET LATE TONIGHT.

SPRINGFIELD MASS. 7 AM STAGE 11.8 FEET. FLOOD STAGE 20 FEET.
CREST NEAR 15 FEET TUESDAY MORNING.

3/16/77 -2

HARTFORD CONN. 7 AM STAGE 13.2 FT. FLOOD STAGE 16 FEET. IT
WILL REACH NEAR FLOOD STAGE THIS AFTERNOON AND CREST BETWEEN
20 AND 21 FEET TUESDAY AFTERNOON.

BODKIN ROCK NEAR MIDDLETOWN CONN. 7 AM STAGE 5.3 FEET. FLOOD STAGE 8
FEET. REACHING FLOOD STAGE LATE TONIGHT AND CREST NEAR 11 1/2
FEET WEDNESDAY MORNING.

FARMINGTON RIVER AT SIMSBURY CONN. 8 AM STAGE 10.2 FEET. FLOOD
STAGE 12 FEET. IT WILL REACH FLOOD STAGE THIS AFTERNOON AND WILL
CREST NEAR 13 1/2 FEET TUESDAY MORNING.

NASHUA RIVER AT EAST PEPPERELL MASS. 7 AM STAGE 6.3 FEET
FLOOD STAGE 8 FEET. CREST SLIGHTLY ABOVE FLOOD STAGE ON TUESDAY
MORNING.

MERRIMACK RIVER

LOWELL MASS. 7 AM STAGE 49 FEET. FLOOD STAGE 52 FEET. CREST
NEAR FLOOD STAGE TUESDAY MORNING.

LAWRENCE MASS. 7 AM STAGE 16.7 FEET. FLOOD STAGE 20 FEET. CREST
NEAR FLOOD STAGE TUESDAY MORNING.

OTHER MAJOR RIVERS OF SOUTHERN NEW ENGLAND WILL HAVE SUBSTANTIAL
WITHIN BANK RISES.

THE NEXT MESSAGE WILL BE ISSUED THIS EVENING MON DAY MARCH 14

AUTH HACKETT

3/16/77-3

ZCZC
WRJS RWRA 152453
-HFD

BULLETIN


FLOOD STATEMENT
NATIONAL WEATHER SERVICE BLOOMFIELD CT
753PM EST TUE MAR 15 1977

FLOOD STATEMENT FOR SOUTHERN NEW ENGLAND


MOST MAJOR RIVERS IN SOUTHERN NEW ENGLAND HAVE CRESTED OR ARE NOW NEAR CREST EXCEPT FOR THE LOWER CONNECTICUT RIVER IN CONNECTICUT WHICH WILL BE CRESTING WEDNESDAY. LOWLAND FLOODING CONTINUES ALONG THE HOUSATONIC CONNECTICUT AND MERRIMACK RIVERS.

CREST FORECASTS FOR THE LOWER CONNECTICUT RIVER.....

HARTFORD CONN. 7PM STAGE 22.0 FT. FLOOD STAGE IS 16 FT. WILL CREST NEAR 22 1/2 FEET WEDNESDAY MORNING.

 BODKIN ROCK NEAR MIDDLETOWN CONN. 7PM STAGE IS 11.5 FT. FLOOD STAGE IS 8 FT. WILL CREST NEAR 13 1/2 FEET WEDNESDAY EVENING.

THE CONNECTICUT RIVER HAS CRESTED THROUGHOUT MASSACHUSETTS AND WILL BEGIN TO FALL SLOWLY TONIGHT.

 THE HOUSATONIC RIVER HAS CRESTED AT ALL POINTS AND WILL FALL SLOWLY TONIGHT.

THE CHARLES RIVER CONTINUES NEAR BANKFULL.

THE MERRIMACK RIVER HAS CRESTED. AT LOWELL MASS. THE 7PM STAGE WAS 53.0 FEET. FLOOD STAGE IS 52 FEET.. THE RIVER WILL BEGIN TO FALL VERY SLOWLY THIS EVENING.

THE CONNECTICUT AND MERRIMACK RIVERS WILL BE SLOW TO FALL AFTER CRESTING DUE TO RELEASE OF WATER FROM FLOOD CONTROL RESERVOIRS.

THE NEXT MESSAGE WILL BE ISSUED WEDNESDAY MORNING

AUTH HACKETT

NNNN

ZCZC
WRUS RWRA 151551
THPD

BULLETIN

FLOOD STATEMENT
NATIONAL WEATHER SERVICE BLOOMFIELD CT
1051AM EST TUE MAR 15 1977

FLOOD STATEMENT FOR SOUTHERN NEW ENGLAND.

MOST MAJOR RIVERS IN SOUTHERN NEW ENGLAND ARE NOW NEAR CREST. THE EXCEPTION IS THE LOWER CONNECTICUT RIVER IN CONNECTICUT WHICH WILL BE CRESTING DURING WEDNESDAY. LOWLAND FLOODING CONTINUES ALONG THE HOUSATONIC, CONNECTICUT, NASHUA, AND MERRIMACK RIVERS. THE CHARLES RIVER CONTINUES NEAR BANKFULL. OTHER MAJOR RIVERS IN SOUTHERN NEW ENGLAND ARE WITHIN THEIR BANKS.

THE CONNECTICUT AND MERRIMACK RIVERS WILL BE SLOW TO FALL AFTER THE CREST DUE TO RELEASE OF WATER FROM FLOOD CONTROL RESERVOIRS.

FOLLOWING ARE FORECASTS.....

HOUSATONIC RIVER

D GREST BARRINGTON MASS. 7 AM STAGE 10.1 FT. ^{FLOOD STAGE 7} ~~10.0~~ FT.
NOW AT CREST AND WILL FALL BELOW FLOOD STAGE WEDNESDAY EVENING.

Δ GAYLORDSVILLE CONN. 7 AM STAGE 11.7 FT. FLOOD STAGE 8 FT.
NOW NEAR CREST AND WILL FALL VERY SLOWLY TO BELOW FLOOD STAGE BY FRIDAY MORNING.

> STEVENSON CONN. 7 AM STAGE 13.9 FT. FLOOD STAGE 12 FT. NOW NEAR CREST AND WILL FALL SLOWLY TO BELOW FLOOD STAGE BY FRIDAY EVENING.

CONNECTICUT RIVER

MONTAGUE CITY MASS. 7 AM STAGE 32.7 FT. FLOOD STAGE 28 FT. NOW AT CREST AND WILL FALL SLOWLY NEXT 24 HOURS.

NORTHAMPTON MASS. FLOOD STAGE 112 FT. NOW NEAR CREST OF 116 FT. ~~WILL FALL SLOWLY NEXT 24 HOURS~~ ^{MASS. 8 AM STAGE 9.9 FT. ~~10.3~~ FT.}
N CREST AND WILL BEGIN FALLING SLOWLY THIS AFTERNOON. ~~FLOOD STAGE 9 FT~~

SPRINGFIELD MASS. 7 AM STAGE 16.5 FT. FLOOD STAGE 20 FT. NOW NEAR CREST AND WILL BEGIN FALLING SLOWLY THIS AFTERNOON.

> HARTFORD CONN. 7 AM STAGE 20.6 FT. FLOOD STAGE 16 FT. WILL CREST NEAR 22 1/2 FT. WEDNESDAY MORNING.

3/16/77-4

BODKIN ROCK NEAR MIDDLETOWN CONN. 7 AM STAGE
WAS 9.5 FT. WILL CREST NEAR 13 1/2 FT. WEDNESDAY EVENING.

FARMINGTON RIVER

SIMSBURY CONN 7 AM STAGE 10.8 FT. FLOOD STAGE 12 FT. WILL
CONTINUE FALLING SLOWLY NEXT 24 HOURS.

CHARLES RIVER

CHARLES RIVER VILLAGE MASS. 7 AM STAGE 3.7 FT. FLOOD STAGE 4 FT.
WILL CONTINUE NEAR BANKFULL FOR NEXT 5 DAYS.

NASHUA RIVER

EAST PEPPERELL MASS. 7 AM STAGE 9.2 FT. FLOOD STAGE 8 FT. NOW
NEAR CREST AND ^{WILL FALL} BELOW FLOOD STAGE WEDNESDAY AFTERNOON.

MERRIMACK RIVER

LOWELL MASS. 7 AM STAGE 52.9 FT. FLOOD STAGE 52 FT. NOW NEAR
CREST AND WILL BEGIN FALLING SLOWLY THIS AFTERNOON.

LAWRENCE MASS. 7 AM STAGE 21.6 FT. FLOOD STAGE 20 FT. NOW
NEAR CREST AND WILL BEGIN FALLING SLOWLY THIS AFTERNOON.

THE NEXT MESSAGE WILL BE ISSUED WEDNESDAY MORNING.

AUTH HACKETT

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3/16/77-5

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ZCZC
WRUS RWRA 161641
+HFD

BULLETIN

FLOOD STATEMENT FOR SOUTHERN NEW ENGLAND
NATIONAL WEATHER SERVICE BLOOMFIELD CT
1141AM EST WED MAR 16 1977

THE MAJOR RIVERS IN SOUTHERN NEW ENGLAND HAVE CRESTED EXCEPT FOR THE LOWER CONNECTICUT RIVER WHERE THE CREST WILL BE MOVING SOUTHWARD THROUGH CONNECTICUT TODAY. LOW LAND FLOODING CONTINUES ALONG THE CONNECTICUT HOUSATONIC AND MERRIMACK.

CREST FORECAST FOR THE LOWER CONNECTICUT RIVER...

HARTFORD CONNECTICUT FLOOD STAGE 16 FT 7AM STAGE 22.9 FT .NOW AT CREST AND WILL FALL SLOWLY BEGINNING EARLY THIS AFTERNOON AND WILL BE NEAR 21 FT AT 7AM ON THE 17 TH.

* BODKIN ROCK NEAR MIDDLETOWN CT FLOOD STAGE 8 FT 10 AM STAGE 13.3 FT
→ WILL CREST NEAR 14 FT TONIGHT AND START FALLING TOMORROW.

THE CONNECTICUT RIVER CONTINUES TO FALL SLOWLY THROUGHTOUT MASS
→ AT MONTAGUE CITY FLOOD STAGE 28 FT 7AM STAGE 28.1 FT SHOULD FALL BELOW FLOOD STAGE THIS AFTERNOON.

THE HOUSATONIC RIVER CONTINUES TO FALL SLOWLY THROUGHTOUT ITS LENGTH. IT WILL RETURN TO LESS THAN BANKFULL STAGES AT GREAT BARRINGTON MASS THIS EVENING AND AT GAYLORDSVILLE AND STEVENSON CT FRIDAY MORNING MARCH 18.

AT GREAT BARRINGTON FLOOD STAGE 9 FT 7AM STAGE 9.5
AT GAYLORDSVILLE FLOOD STAGE 8 FT 7AM STAGE 11.4
AT STEVENSON FLOOD STAGE 12FT 7AM STAGE 14.0

THE CHARLES RIVER AT CHARLES RIVER VILLAGE MASS WILL CONTINUE NEAR BANKFULL FOR SEVERAL DAYS .FLOOD STAGE HERE IS 4 FT 7AM STAGES IS 3.9 FT

THE MERRIMACK RIVER CONTINUES TO FALL SLOWLY .THE 7AM STAGE AT LOWELL MASS WAS 52.3 FT FLOOD STAGE IS 52 FT .

THE 7AM STAGE AT LAWRENCE MASS WAS 21.1 FT FLOOD STAGE IS 20 FT .THE RIVER WILL FALL BELOW FLOOD STAGE BOTH LOCATIONS THIS EVENING.

THE NASHUA RIVER AT EAST PEPPERELL MASS WILL FALL SLOWLY BELOW FLOOD STAGE OF 8 FT BY THURSDAY MORNING MAR 17 .7AM STAGE WAS 9.1 FT

THE NEXT MESSAGE WILL BE ISSUED WEDNESDAY EVENING MAR 16

AUTH HACKETT

3/16/77-6

38..38..38

FOR CT POLICE NETWORK DISSEMINATION
PLS RELAY TO SP HDQS IN MA RI

1981, Feb 27 (2 11:00 am) 12.6 ft

BULLETIN

FLOOD STATEMENT

NATIONAL WEATHER SERVICE BLOOMFIELD CT
1104AM EST TUE FEB 24 1981

FLOOD STATEMENT FOR SOUTHERN NEW ENGLAND RAINFALL AMOUNTS OVER SOUTHERN NEW ENGLAND VARIED FROM ONE INCH TO ONE AND ONE HALF INCHES EXCEPT FOR EASTERN MASSACHUSETTS WHERE LESSOR AMOUNTS WERE REPORTED.

MOST RIVERS AND STREAMS IN SOUTHERN NEW ENGLAND ARE SWOLLEN FROM THE RECENT RAINS. IN SOME AREAS THEY ARE ALREADY OUT OF THEIR BANKS. ADDITIONAL RAIN IS EXPECTED FOR AT LEAST THE NEXT 24 HOURS OVER NEW ENGLAND. THIS WILL CAUSE FURTHER RISES ON ALL RIVERS AND STREAMS IN SOUTHERN NEW ENGLAND.

MODERATE FLOODING IS EXPECTED ON THE CONNECTICUT RIVER IN MASSACHUSETTS AND CONNECTICUT TONIGHT AND WEDNESDAY.

THE HOUSATONIC RIVER IS RISING AND WILL RUN ABOUT TWO FEET ABOVE BANKFULL BY WEDNESDAY MORNING.

THE FARMINGTON RIVER WILL RISE TO BANKFULL BY WEDNESDAY MORNING.

THE BLACKSTONE AND SHETUCKET RIVERS WILL RISE BUT REMAIN WITHIN THEIR BANKS BY WEDNESDAY MORNING.

THE YANTIC RIVER WILL RISE TO SLIGHTLY ABOVE BANKFULL THIS EVENING AND RUN ONE HALF TO ONE FOOT ABOVE BANKFULL DURING TONIGHT.

RIVER OR LOC	FLOOD OBS STAGE 7AM	FORECAST
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CONNECTICUT RIV

MONTAGUE CITY

28 23.7

RISE TO 33 FEET BY WEDNESDAY MORNING

HOLYOKE

9 6.2

RISE TO BETWEEN 9 AND 9 1/2 FEET WEDNESDAY MORNING

SPRINGFIELD

20 12.5

RISE TO BETWEEN 16 TO 17 FEET WEDNESDAY MORNING

THOMPSONVILLE

5.2

RISE TO NEAR 7 1/2 FEET BY WEDNESDAY MORNING

HARTFORD

16 17.5

RISE TO NEAR 21 FEET WEDNESDAY MORNING

BODKIN ROCK

8 8.8

RISE TO NEAR 12 1/2 FEET WEDNESDAY MORNING

HOUSATONIC RIVE

GT. BARRINGTON

9 5.3

RISE TO NEAR 7 1/2 FEET BY WEDNESDAY MORNING

GAYLORDSVILLE

8 8.0

RISE TO NEAR 9 1/2 FEET WEDNESDAY MORNING

STEVENSON

12 13.0

RISE TO NEAR 14 1/2 FEET WEDNESDAY MORNING

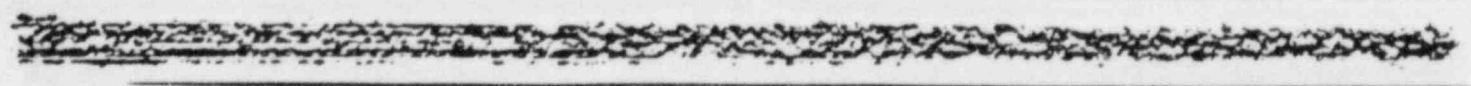
2/27/81-1

FARMINGTON RIVE SIMSBURY	12 7.8	RISE TO NEAR 12 FEET WEDNESDAY MORNING
BLACKSTONE RIVE WOONSOCKET	9 4.3	RISE TO NEAR 7 1/2 FEET BY WEDNESDAY MORNING
SHEPQUCKET RIVER WILLIMANTIC	13 6.4	RISE TO NEAR 9 FEET WEDNESDAY MORNING
MERRIMACK RIVER LOWELL	52 48.9	RISE TO BETWEEN 50 AND 51 FEET BY WEDNESDAY MORNING

THE NEXT MESSAGE WILL BE ISSUED WEDNESDAY MORNING.
CRAIG HUNTER

NNNN

2/27/81-2



-76....76....76

FOR CT POLICE NETWORK DISSEMINATION
PLS RELAY TO SP HDQS IN MA CT RI

ZCZC BOSFLSHFD
RWUS RWRA 250317
-BOSFLSHFD

FLOOD STATEMENT
NATIONAL WEATHER SERVICE BLOOMFIELD CT
1017PM EST TUE FEB 24 1981

FLOOD STATEMENT FOR SOUTHERN NEW ENGLAND.

RAINFALL OVER SOUTHERN NEW ENGLAND SINCE THIS MORNING AVERAGED FROM ONLY ONE TENTH OF AN INCH IN WESTERN CONNECTICUT TO BETWEEN ONE HALF INCH AND THREE QUARTERS OF AN INCH OVER THE REMAINDER OF THE THREE SOUTHERN STATES. BETWEEN ONE HALF AND ONE INCH OF RAIN FELL THROUGH THE CENTRAL CONNECTICUT VALLEY IN NEW HAMPSHIRE AND VERMONT.

MOST RIVERS AND STREAMS ARE SWOLLEN FROM THE RAINSTORM RUNOFF. THE SMALL STREAMS IN MOST OF SOUTHERN NEW ENGLAND ARE ABOUT AS HIGH AS THEY WILL GO AND WILL BEGIN RECEDING TONIGHT. IN EASTERN SECTIONS OF MASSACHUSETTS WHERE SOME RAIN IS STILL FALLING MINOR OVERFLOWS MAY OCCUR TONIGHT.

THECONNECTICUT RIVER IS NOW CRESTING IN NORTHERN MASSACHUSETTS AT LESS THAN ONE HALF FOOT OVER FLOOD STAGE. THE CREST WILL OCCUR IN SPRINGFIELD AND NORTHERN CONNECTICUT WEDNESDAY MORNING AND MOVE TO HARTFORD AND SOUTH TO MIDDLETOWN DURING THE EVENING. LOWLAND FLOODING IS OCCURRING ALONG THE CONNECTICUT RIVER IN MASSACHUSETTS AND CONNECTICUT AND SHOULD CONTINUE FOR THE NEXT FEW DAYS.

THE MERRIMACK RIVER IN LOWELL AND LAWRENCE MASSACHUSETTS WILL CREST WEDNESDAY MORNING BELOW FLOOD STAGES.

2/27/81-3

FOLLOWING ARE THE CREST FORECAST....

RIVER OR LOC	FLOOD OBS STAGE 7PM	FORECAST
CONNECTICUT RIV		
MONTAGUE CITY	28 28.3	NOW AT CREST ..FALLING TO NEAR 27 1/2 FEET WEDNESDAY MORNING
HOLYOKE	9 6.7	CREST 7 TO 7 1/2 FEET WEDNESDAY MORNING
SPRINGFIELD	20 13.0	CREST NEAR 14 FEET WEDNESDAY MORNING
THOMPSONVILLE	5.4	CREST NEAR 6 FEET WEDNESDAY MORNING
HARTFORD	16 18.3	CREST 19 1/2 TO 20 FEET WEDNESDAY EVENING
BODKIN ROCK	8 9.3	CREST NEAR 12 FEET LATE WEDNESDAY NIGHT
MERRIMACK RIVER		
LOWELL	52 48.8	CREST 49 TO 49 1/2 FEET WEDNESDAY MORNING
LAWRENCE	20	CREST 18 TO 18 1/2 FEET WEDNESDAY MORNING
BLACKSTONE RIVE		
WOONSOCKET	9 5.1	CREST NEAR 6 FEET WEDNESDAY MORNING
SHETUCKET RIVER		
WILLIMANTIC	13 7.6	CREST NEAR 9 FEET EARLY WEDNESDAY MORNING
FARMINGTON RIVE		
SIMSBURY	12 10.0	CREST NEAR 11 FEET WEDNESDAY AFTERNOON
HOUSATONIC RIVE		
GT. BARRINGTON	9 5.6	CREST EARLY WEDNESDAY MORNING NEAR 6 FEET
GAYLORDSVILLE	8 7.9	CRESTED THIS EVENING NEAR 8 FEET NOW FALLING SLOWLY TO 7 TO 7 1/2 FEET WEDNESDAY MORNING
STEVENSON	12 11.7	CRESTED TODAY ABOUT 1 FOOT OVER FLOOD STAGE AND NOW FALLING SLOWLY TO 9 1/2 TO 10 FEET WEDNESDAY MORNING

THE NEXT MESSAGE WILL BE ISSUED WEDNESDAY MORNING
CRAIG HUNTER

2/27/81-4

ZCZC BOSFLSHFD
WRUS RWRA 251648
-BOSFLSHFD

BULLETIN

FLOOD STATEMENT
NATIONAL WEATHER SERVICE BLOOMFIELD CT
1148AM EST WED FEB 25 1981

FLOOD STATEMENT FOR SOUTHERN NEW ENGLAND

RAINFALL AMOUNTS OVER SOUTHERN NEW ENGLAND DURING THE LAST 24 HOURS VARIED FROM ONE HALF INCH IN WESTERN CONNECTICUT AND THE BERKSHIRES ...TO 1 TO 2 INCHES IN RHODE ISLAND AND EASTERN MASS. GENERALLY SPEAKING..MOST STREAMS HAVE CRESTED OR WILL DO SO BY LATE TODAY. A FEW LINGERING SHOWERS ARE FORECAST BUT THEY ARE NOT EXPECTED TO CAUSE MUCH EFFECT ON THE RIVERS AND STREAMS.

THE BLACKSTONE RIVER IS CRESTING NOW AT WOONSOCKET..RI. AND WILL CONTINUE A SLOW FALL FOR THE REST OF THE DAY.

THE SHETUCKET RIVER IS ALSO CLOSE TO CRESTING AT WILLIMANTIC..CT AND FALLING STAGES ARE EXPECTED TO FOLLOW SHORTLY.

THE FARMINGTON RIVER DID NOT GO QUITE SO HIGH AS LAST WEEKEND AND IS NOW SLOWLY FALLING ALONG ITS ENTIRE LENGTH.

THE HOUSATONIC HAS CRESTED AT ALL POINTS AND WILL CONTINUE TO FALL SLOWLY FOR THE NEXT DAY OR SO.

THE CREST ON THE CONNECTICUT RIVER FOR THIS STORM IS NOW IN THE HOLYOKE..SPRINGFIELD AREA AND SHOULD REACH HARTFORD LATER TONIGHT. THE MAXIMUM STAGE AT BODKIN ROCK WILL OCCUR ON THURSDAY MORNING.

COLD WEATHER IN THE HEADWATERS WILL RETARD THE RUNOFF THEREBY REDUCING THE AMOUNT OF FLOW INTO THE RIVERS..CAUSING THEM TO RECEDE AT A FASTER RATE THAN MIGHT BE EXPECTED.

2/27/81-5

RIVER OR LOC FLOOD OBS FORECAST
STAGE 7 AM

MERRIMACK RIVER			
LOWELL	52 49.33	CREST BETWEEN 50.5 TO 51 FEET LATE TONIGHT	
LAWRENCE	20 16.7	CREST NEAR 18 FEET LATE TONIGHT	
BLACKSTONE RIVE			
NORTHBRIDGE	9 6.0	FALLING TO NEAR 5 FT BY THURSDAY AM	
WOONSOCKET	9 6.2	NOW NEAR CREST, FALLING TO 5 AND A HALF THURS AM	
SHETUCKET RIVER			
WILLIMANTIC	13 7.5	NOW NEAR CREST FALL TO 6 FT BY THURS AM	
FARMINGTON RIVE			
SIMSBURY	12 10.1	BEGINNING TO FALL REACHING 8 TO 9 FT THURS AM	
HOUSATONIC RIVE			
GT. BARRINGTON	9 5.6	FALLING TO NEAR 5 FT BY THURS AM	
GAYLORDSVILLE	8 7.7	FALLING TO 6 AND A HALF FT BY THURS AM	
STEVENSON	12 10.4	FALLING TO 8 AND A HALF TO 9 FT BY THURS AM	
CONNECTICUT RIV			
MONTAGUE CITY	28 28.1	FALLING TO BETWEEN 26 AND A HALF TO 27 FT BY THURS AM	
NORTH HAMPTON	112 113	NOW AT CREST FALL TO NEAR 112 FT BY THURS AM	
HOLYOKE	9 7.4	FALLING TO NEAR 6 AND A HALF FT BY THURS AM	
SPRINGFIELD	20 14.9	FALLING TO 14 TO 14 AND A HALF FT BY THURS AM	
THOMPSONVILLE	6.1	NOW AT CREST WILL FALL TO NEAR 5 AN A HALF FT THURS AM	
HARTFORD	16 19.3	WILL CREST LATE TONIGHT AT 20 TO 20 AND A HALF FEET	
BODKIN ROCK	8 9.8	WILL CREST NEAR 11 FT EARLY THURS AM	

* SOS

THE NEXT MESSAGE WILL BE ISSUED THIS EVENING
BRUCE WHYTE

2/27/81-6

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ZCZC BOSFLSHFD

RWUS RWRA 260350

1805FLSHFD

FLOOD STATEMENT

NATIONAL WEATHER SERVICE BLOOMFIELD CT
1050PM EST WED FEB 25 1981

FLOOD STATEMENT FOR SOUTHERN NEW ENGLAND

A MIXTURE OF RAIN AND SNOW FELL OVER SOUTHERN NEW ENGLAND TODAY. IN THE CONNECTICUT VALLEY LIQUID PRECIPITATION MEASUREMENTS RANGED FROM A TRACE NEAR THE COAST TO NEARLY ONE INCH IN NORTHERN MASSACHUSETTS. FIVE INCHES OF NEW SNOW WAS REPORTED NEAR ACQUITTUS MASSACHUSETTS.

EASTERN MASSACHUSETTS RECEIVED LIQUID PRECIPITATION TOTALS RANGING FROM NEAR ONE HALF INCH IN INTERIOR LOCATIONS TO ONE AND A QUARTER INCHES NEAR THE COAST. SNOW ACCUMULATIONS OF NEARLY 10 INCHES WERE REPORTED.

EASTERN CONNECTICUT AND RHODE ISLAND GENERALLY RECEIVED LESS THAN ONE HALF INCH OF LIQUID PRECIPITATION.

THE ADDITIONAL PRECIPITATION HAS CAUSED SOME OF THE RIVERS TO CONTINUE TO RISE AND DELAY THE CRESTS.

THE HOUCATONIC RIVER WATERSHED AND THE FARMINGTON RIVER WATERSHED RECEIVED LITTLE ADDITIONAL PRECIPITATION. THESE RIVERS WILL CONTINUE TO FALL SLOWLY FOR THE NEXT SEVERAL DAYS.

2/27/81-7

RIVER AT LOC STAGE 7PM

MERRIMACK RIVER
LOWELL 50 50.2 CRESTING EARLY THURSDAY NEAR 50 1/2 FEET.
LAWRENCE 20 17.5 NEAR 18 FEET THURSDAY MORNING

BLACKSTONE RIVER
NORTHBIDGE 9 5 NEAR CREST. FALLING TO NEAR 5 1/2 FEET
THURSDAY MORNING
WOONSOCKET 9 6.5 5 1/2 TO 7 FEET BY THURSDAY MORNING

SHEPQUET RIVER
WILLIMANTIC 13 8 CREST NEAR 8 FEET THURSDAY MORNING

CONNECTICUT RIVER
MONTAGUE CITY 22 23.5 NEAR 30 FEET EARLY THURSDAY MORNING
NORTH HAMPTON 112 8 113 1/2 TO 114 FEET THURSDAY MORNING
MOLYOKE 9 8 8 TO 9 1/2 FEET THURSDAY AFTERNOON
SPRINGFIELD 20 15.4 CREST NEAR 15 1/2 FEET THURSDAY MORNING
THOMPSONVILLE 9.4 CREST THURSDAY MORNING NEAR 7 FEET
Y 20.1 FORESTORDEAR 22 FEET THURSDAY EVENING
PODKIN ROCK 9 10.4 CREST NEAR 11 1/2 FEET LATE THURSDAY NIGHT

HOUSATONIC RIVER
GT. BARRINGTON 9 5.7 FALLING SLOWLY
GAYLORDSVILLE 8 7.4 FALLING SLOWLY
STEVENSON 12 10.3 FALLING SLOWLY

THE NEXT MESSAGE WILL BE ISSUED THURSDAY MORNING
WAYNE SMITH

2/27/81 - 8

NNNN.

37....37

PLS RELAY TO SP HDQS IN MA CT FOR CT POLICE NETWORK DISSEMINATION RI

ZCZC BOSFLSHFD
VRUS RWRA 261622
-BOSFLSHFD
ZZZZZ

BULLETIN

FLOOD ADVISORY
NATIONAL WEATHER SERVICE BLOOMFIELD CT
1122AM EST THU FEB 26 1981

FLOOD ADVISORY FOR SOUTHERN NEW ENGLAND

ANOTHER STORM IMPULSE MOVED ACROSS NEW ENGLAND LAST NIGHT BRINGING ADDITIONAL RAIN AND SNOW. OVER CONNECTICUT RAINFALL AVERAGED FROM NEAR ONE QUARTER INCH ALONG THE COAST TO THREE QUARTERS INCH IN NORTHERN SECTIONS. THE NORTHWEST SECTIONS HAD 8 INCHES OF SNOW REPORTED. IN MASSACHUSETTS THE TOTAL PRECIPITATION RANGED FROM 1 INCH OVER WESTERN SECTIONS TO MORE THAN 2 AND A HALF INCHES ALONG THE COAST. SNOW WAS REPORTED IN EASTERN AND NORTHERN MASSACHUSETTS. RHODE ISLAND HAD MOSTLY RAIN..RANGING FROM ONE HALF TO NEAR ONE INCH.

RIVERS AND STREAMS IN SOUTHERN NEW ENGLAND ARE RISING IN REACTION TO THIS THIS LATEST RUNOFF. IN ADDITION ..THE CORPS OF ENGINEERS FLOOD CONTROL DAMS ARE RELEASING WATER TO MAINTAIN SAFE CONDITIONS IN THEIR PROTECTIVE AREAS.

THE CONNECTICUT RIVER WILL CREST THIS AFTERNOON IN NORTHERN MASS.. AND CREST IN SOUTHERN MASS AND NORTHERN CONN LATE TONIGHT.. RUNNING ABOUT 4 TO 5 FEET ABOVE FLOOD STAGES. THE CREST WILL MOVE DOWNSTREAM TO HARTFORD AND MIDDLETOWN DURING FRIDAY..RUNNING ABOUT 7 FEET—ABOVE FLOOD STAGES. MODERATE FLOODING IS EXPECTED ALONG THE CONNECTICUT RIVER. ALL CITIES WITH DIKING SYSTEMS WILL BE PROTECTED.

THE CHARLES RIVER IS RISING TO ABOUT 1 FOOT ABOVE FLOOD STAGE BY FRIDAY MORNING.

THE NASHUA RIVER IN MASSACHUSETTS IS RISING TO REACH NEAR 12 FEET FRIDAY MORNING CAUSING LOWLAND FLOODING.

2/27/81-9

THE MERRIMACK RIVER IN MASS..WILL BE CRESTING LATE TONIGHT ABOUT 1 FOOT ABOVE FLOOD STAGES WITH LOWLAND FLOODING EXPECTED.

THE NEPONSET RIVER WILL CREST TONIGHT NEAR OR SLIGHTLY BELOW BANKFULL.

THE SHETUCKET ...FARMINGTON...CHICOPEE...BLACKSTONE...AND HOUSATONIC RIVERS ARE EXPECTED TO CREST BELOW BANKFULL.

FOLLOWING ARE CREST OR STAGE FORECASTS....

RIVER OR LOC FLOOD OBS FORECAST
STAGE 7AM

CONNECTICUT RIV
MONTAGUE CITY 28 29.3 CREST 32 TO 33 FEET THIS AFTERNOON
NORTH HAMPTON 112 114.2 CREST 116 TO 117 FEET TOWARD THIS EVENING
HOLYOKE 9 7.9 CREST 8 1/2 TO 9 FEET LATE TONIGHT
SPRINGFIELD 20 16.1 CREST 17 TO 17 1/2 FEET LATE TONIGHT
THOMPSONVILLE 6.8 CREST NEAR 7 1/2 FEET LATE TONIGHT
HARTFORD 16 21.0 CREST 23 TO 24 FEET FRIDAY MORNING
BODKIN ROCK 8 11.3 CREST 15 TO 15 1/2 FEET DURING FRIDAY

CHARLES RIVER
DOVER 4 3.2 RISING TO A LITTLE OVER 5 FEET FRIDAY MORNING

NASHUA RIVER
EAST PEPPERELL 8 6.0 RISING TO NEAR 12 FEET BY FRIDAY MORNING

ASSABET RIVER
MAYNARD 5 4.2 CREST 5 TO 5 1/2 FEET FRIDAY EVENING

MERRIMACK RIVER
LOWELL 52 50.7 CREST NEAR 53 FEET LATE TONIGHT
LAWRENCE 20 18.6 CREST NEAR 21 FEET LATE TONIGHT

NEPONSET RIVER
NORWOOD 9 6.0 RISING TO A CREST OF 8 TO 8 1/2 FEET TONIGHT

BLACKSTONE RIVE
NORTHBRIDGE 9 6.1 RISING TO A CREST OF 7 TO 7 1/2 FEET THIS AFTERNOON AND EVENING
WOONSOCKET 9 6.6 RISING TO A CREST OF 8 TO 8 1/2 FEET EARLY FRIDAY MORNING

SHETUCKET RIVER
WILLIMANTIC 13 7.3 RISING TO A CREST OF NEAR 8 1/2 FEET FRIDAY MORNING

CHICOPEE RIVER
INDIAN ORCHARD 12 7.6 CREST 9 TO 9 1/2 FEET LATE TONIGHT

FARMINGTON RIVE
SIMSBURY 12 8.1 CREST 9 1/2 TO 10 FEET FRIDAY NOON

HOUSATONIC RIVE
GT. BARRINGTON 9 5.6 RISING TO A CREST OF 6 TO 6 1/2 FEET FRIDAY MORNING.

GAYLORDSVILLE 8 7.3 SLOW FALL TO NEAR 6 1/2 FEET FRIDAY MORNING

STEVENSON 12 10.3 SLOW FALL TO NEAR 10 FEET FRIDAY MORNING

02/27/91-1A

FLOOD STATEMENT
NATIONAL WEATHER SERVICE BLOOMFIELD CT
1013PM EST THU FEB 24 1961

FLOOD STATEMENT FOR SOUTHERN NEW ENGLAND.

THE RUNOFF FROM SNOW IN THE CENTRAL AND NORTHERN CONNECTICUT RIVER BASIN IS BEING RETARDED BY TEMPERATURES IN THE MIDFIFTIES AND LOW THIRTIES. THIS RUNOFF PLUS WATER BEING RELEASED FROM FLOOD CONTROL DAMS ON THE CONNECTICUT RIVER TRIBUTARIES ARE TENDING TO HOLD THE ENTIRE REACH OF THE CONNECTICUT RIVER FROM NORTHERN MASSACHUSETTS INTO CONNECTICUT AT ALMOST STATIONARY HEIGHTS. THE CREST IS OCCURRING IN CONNECTICUT NOW THROUGH THE NIGHTTIME HOURS AT ABOUT 4 1/2 TO 5 FEET ABOVE FLOOD STAGES. LOWLAND FLOODING IS COMMON ALONG THE CONNECTICUT RIVER THROUGH MASSACHUSETTS AND CONNECTICUT AND WILL CONTINUE FOR THE NEXT SEVERAL DAYS.

THE MERRIMACK RIVER WILL BE CRESTING LATE TONIGHT IN MASSACHUSETTS NEAR FLOOD STAGES WITH LITTLE CHANGE EXPECTED UNTIL FRIDAY MORNING.

THE CHARLES RIVER IN MASSACHUSETTS WILL CREST ABOUT ONE FOOT ABOVE FLOOD STAGE AND REMAIN AT THAT LEVEL OVER THE WEEKEND.

THE BLACKSTONE RIVER IN MASSACHUSETTS AND RHODE ISLAND IS NOW NEAR CREST BELOW BANKFULL AND WILL SLOWLY FALL FRIDAY.

THE NASHUA RIVER IN MASSACHUSETTS WILL REACH BANKFULL BY FRIDAY MORNING.

THE HOUSATONIC RIVER IS WITHIN ITS BANKS AND WILL CONTINUE TO FALL SLOWLY.

THE FARMINGTON RIVER WILL REMAIN WELL WITHIN ITS BANKS.

FOLLOWING ARE CREST AND STAGE FORECASTS.....

RIVER OR LOC	FLOOD CPG	FORECAST
	STAGE 7 PM	

CONNECTICUT RIV		
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MONTAGUE CITY	22 29.1	REMAIN NEAR 29 FEET TONIGHT. SLOW FALL BEGINNING FRIDAY MORNING.
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NORTH HAMPTON	112 100	REMAIN NEAR 114 FEET TONIGHT. SLOW FALL BEGINNING FRIDAY MORNING.
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02/27/81-11

HOLYOKE	9 7.9	REMAIN BETWEEN 7 1/2 TO 8 FEET THRU TONIGHT.
SPRINGFIELD	20 MSG	SLOW FALL BEGINNING FRIDAY MORNING
THOMPSONVILLE	5.8	REMAIN NEAR 15 FEET THRU TONIGHT. SLOW FALL BEGINNING FRIDAY MORNING
MARTFORD	19 21.8	REMAIN BETWEEN 5 1/2 TO 7 FEET THRU TONIGHT
BODKIN ROCK	8 12.1	SLOW FALL BEGINNING FRIDAY MORNING
MERRIMACK RIVER		CREST NEAR 22 FEET LATE TONIGHT
LOWELL	52 51.4	CREST NEAR 12 1/2 FEET DURING THE NIGHT.
WATERBURY	20 10.4	CREST NEAR 32 FEET LATE TONIGHT
WATERBURY	20 10.4	CREST NEAR 20 FEET LATE TONIGHT

1
CHARLES RIVER
DOVER

4 3.7 CREST NEAR 5 FEET BY SATURDAY . AND REMAIN NEAR 5 FEET THRU THE WEEKEND

BLACKSTONE RIVER
NORTHBRIDGE

9 5.5 NOW NEAR CREST . WILL FALL TO NEAR 5 FEET BY FRIDAY MORNING.

WCONSOCKET

9 5.8 NOW NEAR CREST. WILL FALL TO NEAR 6 FEET BY FRIDAY MORNING.

NASHUA RIVER
EAST PEPPERELL

3 7.1 RISING TO NEAR BANKFULL BY FRIDAY MORNING.

HOUSATONIC RIVER
ST. BARRINGTON

9 5.5 LITTLE CHANGE OVERNIGHT. SLOW FALL BEGINNING FRIDAY MORNING

GAYLOTTESVILLE
STEVENSON

8 7.2 FALL TO NEAR 5 1/2 FEET BY FRIDAY MORNING.
12 10.0 FALL TO NEAR 9 1/2 FEET BY FRIDAY MORNING.

FARMINGTON RIVER
SIMPSON

12 7.8 REMAIN NEAR 7 1/2 FEET OVERNIGHT. SLOW FALL FRIDAY MORNING.

THE NEXT MESSAGE WILL BE ISSUED FRIDAY MORNING
DAVE CURTIS

2/27/81 - 12

URGENT 10/27/67
FLOOD STATEMENT

FLOOD STATEMENT

NATIONAL WEATHER SERVICE BANGOR, ME
1103AM EST THU OCT 27 1967

FLOOD STATEMENT FOR SOUTHERN NEW ENGLAND.

THE CONNECTICUT RIVER IS NOW FALLING SLOWLY THROUGHOUT MASSACHUSETTS AND NORTHERN CONNECTICUT. IT IS AT OR JUST BELOW FLOOD STAGE THROUGHOUT THIS MORNING WITH ABOUT A 1/2 TO 5 FEET ABOUT FLOOD STAGE AND WILL BEGIN FALLING SLOWLY THIS AFTERNOON. THESE CONDITIONS ARE THE HIGHEST SINCE MARCH 1977 WHEN IT WAS 1 FOOT HIGHER. LOWLAND FLOODING WILL CONTINUE THROUGH PARTS OF MASSACHUSETTS AND IN CONNECTICUT ALONG THE CONNECTICUT RIVER FOR THE NEXT SEVERAL DAYS.

THE CHARLES RIVER WHICH IS A SLOW RISER WILL REACH FLOOD STAGE SATURDAY MORNING AND WILL CONTINUE A SLOW RISE.

THE MERRIMACK RIVER IS NOW AT OR JUST AT BANKFULL STAGES IN MASSACHUSETTS AND LITTLE CHANGE IS EXPECTED DURING THE NEXT 24 HOURS DUE TO RELEASES OF WATER FROM FLOOD CONTROL DAMS.

ALL OTHER RIVERS AND STREAMS IN SOUTHERN NEW ENGLAND WHILE SWOLLEN... ARE BELOW BANKFULL AND WILL BE RECEIVING DURING THE NEXT 24 HOURS.

FOLLOWING ARE THE SPECIFIC FORECASTS.....

RIVER OR LOC. FLOOD STG. FORECAST

CONNECTICUT RIV

MONTAGUE CITY

22 27.7

FALLING TO NEAR 20 FEET SATURDAY MORNING

NORTH WAMPTON

112 45.0

FALLING TO BELOW FLOOD STAGE THIS AFTERNOON

HOLMONT

9 7.9

FALLING TO NEAR 6 FEET SATURDAY MORNING

SPRINGFIELD

20 45.0

FALL TO NEAR 11 FEET SATURDAY MORNING

THOMPSONVILLE

6.6

FALLING TO BETWEEN 5 TO 5 1/2 FEET SATURDAY MORNING

HARTFORD

10 22.0

NOW AT OR JUST WILL FALL TO 20 TO 20 1/2 FEET SATURDAY MORNING

POPKIN ROCK

0 12.0

NOW AT OR JUST WILL FALL TO BETWEEN 11 1/2 AND 12 FEET SATURDAY MORNING

CHARLES RIVER

DOVER

4 4.0

RISE TO FLOOD STAGE BY SATURDAY MORNING
CONTINUE SLOW RISE

MERRIMACK RIVER

LOWELL

52 51.0

NOW AT OR JUST LITTLE CHANGE NEXT 24 HOURS

LAURENS

20 20.1

NOW AT OR JUST LITTLE CHANGE NEXT 24 HOURS

WOMANATONIC RIVER

ST. DARRINGTON

0 5.2

LITTLE CHANGE TODAY FALLING TO NEAR 5 FEET SATURDAY MORNING

SAYLOPESVILLE

0 7.1

LITTLE CHANGE TODAY FALLING TO BETWEEN 6 1/2 TO 7 FEET SATURDAY MORNING

2/27/81-12

BOSFLWHD
WOUS00 KHFD 141800

December 83

BULLETIN

FLOOD WARNING

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT

12:00 PM EST DEC 14 1983 (WLD)

FLOOD WARNING FOR SOUTHERN NEW ENGLAND

THE NATIONAL WEATHER SERVICE HAS ISSUED A FLOOD WARNING FOR THE CONNECTICUT RIVER IN MASSACHUSETTS AND CONNECTICUT AND THE NASHUA RIVER AT EAST PEPPERELL MASSACHUSETTS....

A FLOOD WARNING REMAINS IN EFFECT FOR THE HOUSATONIC RIVER IN CONNECTICUT.

THE CONNECTICUT RIVER IS RISING RAPIDLY IN MASSACHUSETTS AND CONNECTICUT. MINOR FLOODING CAN BE EXPECTED ALONG UNPROTECTED AREAS OF THE RIVER FOR THE NEXT FEW DAYS. MINOR FLOODING CAN ALSO BE EXPECTED ALONG THE HOUSATONIC RIVER IN CONNECTICUT THROUGH THURSDAY MORNING.

ELSEWHERE, IN SOUTHERN NEW ENGLAND THE RIVERS WILL RISE BUT REMAIN WITHIN THEIR BANKS.

CONNECTICUT RIVER

MONTAGUE CITY..MA FLOOD STAGE IS 28 FEET. 7AM STAGE WAS 24.7 FT
RISE TO 29 1/2 FT TO 30 1/2 FT BY THURSDAY MORNING..LITTLE CHANGE
DURING THE DAY THURSDAY.

NORTHAMPTON..MA FLOOD STAGE IS 112 FEET. 7AM STAGE WAS MSG
CREST TO NEAR 113 1/2 FT BY THURSDAY MORNING.

HOLYOKE..MA FLOOD STAGE IS 9 FEET. 7AM STAGE WAS MSG
RISE TO BETWEEN 9 AND 9 1/2 FT BY THURSDAY AFTERNOON.

SPRINGFIELD..MA FLOOD STAGE IS 20 FEET. 7AM STAGE WAS 10.3 FT
CREST BETWEEN 15 TO 15 1/2 FT LATE THURSDAY MORNING.

THOMPSONVILLE..CT 7AM STAGE WAS 3.0 FT
CREST NEAR 6 FT BY THURSDAY MORNING.

HARTFORD..CT FLOOD STAGE IS 16 FEET. 7AM STAGE WAS 11.7 FT
REACH FLOOD STAGE WEDNESDAY EVENING..CREST TO NEAR 20 1/2 FT
FRIDAY.

MIDDLETOWN..CT FLOOD STAGE IS 8 FEET. 7AM STAGE WAS 4.0 FT
RISE TO NEAR BANKFULL EARLY THURSDAY MORNING.

MERRIMACK RIVER

LOWELL..MA FLOOD STAGE IS 52 FEET. 7AM STAGE WAS 46.0 FT
CREST TO NEAR 49 1/2 FT BY THURSDAY MORNING.

LAWRENCE..MA FLOOD STAGE IS 20 FEET. 7AM STAGE WAS MSG
CREST BETWEEN 16 TO 16 1/2 FT BY THURSDAY MORNING.

NASHUA RIVER

EAST PEPPERELL..MA FLOOD STAGE IS 8 FEET. 7AM STAGE WAS 5.0 FT
RISE TO NEAR 9 FT BY THURSDAY EVENING.

HOUSATONIC RIVER

GR. BARRINGTON..MA FLOOD STAGE IS 9 FEET. 7AM STAGE WAS 5.3 FT
CREST BETWEEN 6.0 AND 6 1/2 FT WEDNESDAY EVENING.

12/83-1

BOSFLSH:D

WOUS00 MHFD 150500

FLOOD STATEMENT

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT

10:24 PM EST DEC 14 1983

FLOOD STATEMENT FOR SOUTHERN NEW ENGLAND

FLOODING ALONG PORTIONS OF THE CONNECTICUT RIVER OVER THE NEXT FEW DAYS...

SOME FLOODING IS TAKING PLACE ALONG THE CONNECTICUT RIVER AT MONTEGUE CITY IN MASSACHUSETTS TONIGHT. IT WILL CREST ABOUT 2 1/2 FEET OVER FLOOD STAGE IN THIS AREA THURSDAY MORNING. AT HARTFORD WE WERE JUST BELOW FLOOD STAGE THIS EVENING BUT WILL GO ABOVE FLOOD STAGE LATER TONIGHT.

MINOR FLOODING CONTINUES ALONG THE SOUTHERN PORTIONS OF THE HOUSATONIC RIVER. THE RIVER IS AT CREST OR HAS CRESTED AS OF TONIGHT AND WILL GO BELOW FLOOD STAGE IN MOST SECTIONS BY THURSDAY MORNING.

SPECIFIC FORECASTS FOR SOUTHERN NEW ENGLAND...

CONNECTICUT RIVER

MONTEGUE CITY..MA FLOOD STAGE IS 28 FEET. 7PM STAGE WAS 29.7 FT RISE TO 30 1/2 FT BY THURSDAY MORNING..LITTLE CHANGE DURING THE DAY THURSDAY.

NORTHAMPTON..MA FLOOD STAGE IS 112 FEET. 7PM STAGE WAS MSG CREST TO NEAR 113 1/2 FT BY THURSDAY MORNING.

HOLYOKE..MA FLOOD STAGE IS 9 FEET. 7PM STAGE WAS MSG RISE TO BETWEEN 9 AND 9 1/2 FT BY THURSDAY AFTERNOON.

SPRINGFIELD..MA FLOOD STAGE IS 20 FEET. 7PM STAGE WAS MSG FT CREST BETWEEN 15 TO 15 1/2 FT LATE THURSDAY MORNING.

THOMPSONVILLE..CT 7PM STAGE WAS 4.9 FT CREST NEAR 6 FT BY THURSDAY MORNING.

HARTFORD..CT FLOOD STAGE IS 16 FEET. 7PM STAGE WAS 15.0 FT REACH FLOOD STAGE TONIGHT..CREST TO NEAR 20 1/2 FT FRIDAY.

MIDDLETOWN..CT FLOOD STAGE IS 8 FEET. 7PM STAGE WAS 5.8 FT RISE TO NEAR FLOOD STAGE THURSDAY MORNING.. CREST NEAR 10 FT ON FRIDAY.

12/14/83

MERRIMACK RIVER

LOWELL..MA FLOOD STAGE IS 52 FEET. 7PM STAGE WAS 49.2 FT CREST TO NEAR 50 FT BY LATE THURSDAY MORNING.

LAWRENCE..MA FLOOD STAGE IS 20 FEET. 7PM STAGE WAS MSG CREST BETWEEN 16 1/2 TO 17 FT BY THURSDAY LATE MORNING.

NASHUA RIVER

EAST PEPPERELL..MA FLOOD STAGE IS 8 FEET. 7PM STAGE WAS 5.0 FT RISE TO NEAR FLOOD STAGE BY THURSDAY EVENING.

HOUSATONIC RIVER

GP. BARRINGTON..MA FLOOD STAGE IS 9 FEET. 7PM STAGE WAS 5.7 FT CREST BETWEEN 6.0 AND 6 1/2 FT EARLY THURSDAY MORNING.

NEW BEDFORD..CT FLOOD STAGE IS 4 FEET. 7PM STAGE WAS 3.5 FT

12/18/83-2

BOSFLSHFD

WOUS00 KHFD 151700

FLOOD STATEMENT

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT

11:21 AM EST DEC 15 1983

FLOOD STATEMENT FOR SOUTHERN NEW ENGLAND

FLOOD WARNING CONTINUES ALONG THE CONNECTICUT RIVER IN MASSACHUSETTS AND CONNECTICUT...

MINOR FLOODING CONTINUES ALONG THE LOWER HOUSATONIC RIVER NEAR GAYLORDSVILLE CONNECTICUT....

THE CONNECTICUT RIVER IS ABOUT 2 FEET OVER FLOOD STAGE THIS MORNING, AT MONTAGUE CITY IN NORTHERN MASSACHUSETTS BUT HAS CRESTED AND IS SLOWLY FALLING. FARTHER SOUTH IN MASSACHUSETTS AND IN CONNECTICUT THE RIVER CONTINUES TO RISE. AT HARTFORD THE RIVER IS 2 FEET OVER FLOOD STAGE THIS MORNING AND WILL RISE ANOTHER 2 TO 3 FEET BEFORE CRESTING LATE FRIDAY MORNING. THIS WILL GIVE HARTFORD ITS HIGHEST READING FOR THE CALENDAR YEAR.

ALONG THE HOUSATONIC, THE RIVER IS STEADY OR SLOWLY FALLING AT MOST POINTS. THE SLOW RECESSION HAS ALLOWED THE RIVER TO GO BELOW ITS FLOOD STAGE AT STEVENSON IN CONNECTICUT BUT REMAINS SLIGHTLY OVER ITS BANKS NEAR NEW MILFORD CONNECTICUT.

ELSEWHERE IN SOUTHERN NEW ENGLAND MOST OF THE RIVERS AND STREAMS ARE RECEDING SLOWLY. THE FEW THAT ARE STILL RISING LIKE THE MERRIMACK AND WASHUA RIVERS IN MASSACHUSETTS WILL BE SWOLLEN BUT REMAIN IN ~~THEIR~~ THEIR BANKS.

ALL INTERESTS IN UNPROTECTED AREAS ALONG THE CONNECTICUT RIVER IN MASSACHUSETTS AND CONNECTICUT ARE URGED TO MONITOR FURTHER NATIONAL WEATHER SERVICE STATEMENTS AND FORECASTS.

THE FOLLOWING ARE MORE SPECIFIC FORECASTS.....

HOUSATONIC RIVER

GR. BARRINGTON, MA FLOOD STAGE IS 9 FEET. 7AM STAGE WAS 5.8 FT
FALL TO BETWEEN 5 AND 5 1/2 FT BY FRIDAY MORNING.

GAYLORDSVILLE, CT FLOOD STAGE IS 8 FEET. 7AM STAGE WAS 8.2 FT
SLOW FALL TO NEAR 8 FT BY FRIDAY MORNING.

BLACKSTONE RIVER

WOONSOCKET, RI FLOOD STAGE IS 9 FEET. 7AM STAGE WAS 7.1 FT
FALL TO NEAR 5 1/2 FT BY FRIDAY MORNING.

CHARLES RIVER

DOVER, MA FLOOD STAGE IS 4 FEET. 7AM STAGE WAS MSG
NEAR BANKFULL CONDITONS NEXT 24 HOURS.

ASSABET RIVER

MAYNARD, MA FLOOD STAGE IS 5 FELT. 7AM STAGE WAS MSG
CREST NEAR FLOOD STAGE EARLY THIS AFTERNOON...THEN SLOW FALL.

CONNECTICUT RIVER

- MONTAGUE CITY, MA FLOOD STAGE IS 28 FEET. 7AM STAGE WAS 29.5 FT
SLOW FALL TO NEAR 28 FT BY FRIDAY MORNING.

NORTHAMPTON, MA

FLOOD STAGE IS 112 FEET. 7AM STAGE WAS 114 FT
SLOW FALL TO NEAR 112 1/2 FT BY FRIDAY MORNING.

12/25

~~HOLYOKE..MA FLOOD STAGE IS 9 FEET. 7AM STAGE WAS 8.8 FT..~~
NOW NEAR CREST. FALL TO BETWEEN 8 AND 8 1/2 FT BY FRIDAY MORNING

SPRINGFIELD..MA FLOOD STAGE IS 20 FEET. 7AM STAGE WAS 15.0 FT
CREST NEAR 15 1/2 FT THURSDAY NIGHT...THEN LITTLE CHANGE OVERNITE

THOMPSONVILLE..CT 7AM STAGE WAS 6.1 FT
NOW NEAR CREST. LITTLE CHANGE EXPECTED NEXT 24 HOURS.

HARTFORD..CT FLOOD STAGE IS 16 FEET. 7AM STAGE WAS 18.0 FT
CREST NEAR 20 1/2 FT LATE FRIDAY MORNING.

[MIDDLETOWN..CT FLOOD STAGE IS 8 FEET. 7AM STAGE WAS 7.7 FT
RISE TO NEAR 11 1/2 FT FRIDAY MORNING...CREST NEAR 12 FT LATE
FRIDAY NIGHT.

12/14/83
MERRIMACK RIVER

LOVELL..MA FLOOD STAGE IS 52 FEET. 7AM STAGE WAS 50.6 FT
CREST NEAR 51 FT THURSDAY AFTERNOON, THEN FALL TO NEAR 50 FT
BY FRIDAY MORNING.

LAWRENCE..MA FLOOD STAGE IS 20 FEET. 7AM STAGE WAS 18.2 FT
CREST NEAR 19 FT THURSDAY AFTERNOON, THEN SLOW FALL.

MASHUA RIVER

EAST PEPPERELL..MA FLOOD STAGE IS 8 FEET. 7AM STAGE WAS 5.0 FT
WITHIN BANK RISES NEXT 24 HOURS.

NEXT MESSAGE WILL BE ISSUED FRIDAY MORNING.

NERFC/ TM /FJL

12/23 - 4

BOSFLSHFD

WUOSCO KHFD 161700

FLOOD STATEMENT

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT

11:36 AM EST DEC 16 1983

FLOOD WARNING CONTINUES FOR THE CONNECTICUT RIVER IN CONNECTICUT AND MASSACHUSETTS. THE CONNECTICUT RIVER HAS CRESTED IN MASSACHUSETTS AND WILL BE CRESTING 4 TO 5 FT ABOVE FLOOD STAGE IN CONNECTICUT.

THE CHARLES RIVER AT DOVER WILL CREST 1/2 FOOT ABOVE FLOOD STAGE SATURDAY EVENING.

THE HOUSATONIC RIVER IS NOW WITHIN ITS BANKS AND WILL CONTINUE TO FALL SLOWLY.

THE MERRIMACK IN MASSACHUSETTS HAS CRESTED NEAR FLOOD STAGE AND WILL BEGIN TO FALL SHORTLY.

THE FOLLOWING ARE ARE MORE SPECIFIC FORECASTS.....

GAYLORDSVILLE FLOOD STAGE IS 8 FEET. 9AM STAGE WAS 7.6 FT
FALLING TO BETWEEN 7 TO 7 1/2 FT SATURDAY MORNING

STEVENSON FLOOD STAGE IS 12 FEET. 9AM STAGE WAS 10.3 FT
FALLING TO NEAR 9 1/2 FT SAT MORNING.

CONNECTICUT RIVER

MONTAGUE CITY FLOOD STAGE IS 28 FEET. 9AM STAGE WAS 26.9 FT
LITTLE CHANGE NEXT 12 HOURS BEING 27 1/2 TO 28 FT SATURDAY MORNING
NORTHAMPTON FLOOD STAGE IS 112 FEET. 9AM STAGE WAS MISSING
FALL TO 112 TO 112 1/2 FT SATURDAY MORNING.

HOLYOKE FLOOD STAGE IS 9 FEET. 9AM STAGE WAS MISSING
FALL TO 7 TO 7 1/2 FT SATURDAY MORNING.

SPRINGFIELD FLOOD STAGE IS 20 FEET. 9AM STAGE WAS 16.0 FT
WILL FALL TO NEAR 14 1/2 FT SATURDAY MORNING.

THOMPSONVILLE 9AM STAGE WAS 6.5 FT
NOW AT CREST. WITH SLOW FALL NEXT 24 HOURS BEING 6 TO 6 1/2 FT
SATURDAY MORNING.

HARTFORD FLOOD STAGE IS 16 FT 9AM STAGE IS 20.7 FT
NOW NEAR CREST. WILL START RECEDING LATE THIS EVENING FALLING TO
NEAR 20 1/2 FT SATURDAY MORNING.

BODKIN ROCK NR MIDDLETOWN FLOOD STAGE IS 8 FT 9AM STAGE WAS 10.5 FT
CREST NEAR 11 1/2 FT SATURDAY MORNING WITH SLOW FALL THEREAFTER.
(12/17/83)

CHARLES RIVER

DOVER FLOOD STAGE IS 4 FEET. 9AM STAGE WAS 4.1 FT
CREST NEAR 4 1/2 FT SATURDAY EVENING.

MERRIMACK RIVER

LOWELL FLOOD STAGE IS 52 FEET. 9AM STAGE WAS 50.9 FT
NOW CRESTING. FALLING TO NEAR 49 1/2 FT SATURDAY MORNING.

THE NEXT MESSAGE WILL BE ISSUED SATURDAY MORNING.
NERFC/CAS

12/83 - 5

BOSFLSHFD

W0US00 KHFD 171700

FLOOD STATEMENT

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT

10:53 AM EST DEC 17 1983 (Sat.)

FLOOD WARNING CONTINUES FOR THE CONNECTICUT RIVER IN CONNECTICUT. THE CONNECTICUT RIVER CRESTED THIS MORNING THROUGHOUT CONNECTICUT AT LEVELS 4 TO 5 FT ABOVE FLOOD STAGE. THE CONNECTICUT RIVER WILL BEGIN TO RECEDE VERY SLOWLY TODAY.

..... THIS HAS BEEN AN UNUSUALLY LONG AND BROAD CREST FOR THE CONNECTICUT RIVER IN CONNECTICUT

THE FOLLOWING ARE ARE MORE SPECIFIC FORECASTS.....

GAYLORDSVILLE FLOOD STAGE IS 8 FEET. 7AM STAGE WAS 6.9 FT
FALLING TO BETWEEN 6 TO 6 1/2 FT SUNDAY MORNING.

CONNECTICUT RIVER
MONTAGUE CITY FLOOD STAGE IS 28 FEET. 7AM STAGE WAS 27.5 FT
SLOW FALL TO 26 1/2 TO 27 FT SUNDAY MORNING.

NORTHAMPTON FLOOD STAGE IS 112 FEET. 7AM STAGE WAS MISSING
FALL TO 111 TO 111 1/2 FT SUNDAY MORNING.

HOLYOKE FLOOD STAGE IS 9 FEET. 7AM STAGE WAS 8.2
FALL TO 6 1/2 TO 7 FT SUNDAY MORNING.

SPRINGFIELD FLOOD STAGE IS 20 FEET. 7AM STAGE WAS 15.6 FT
WILL FALL TO NEAR 14 FT SUNDAY MORNING.

THOMPSONVILLE 9AM STAGE WAS 6.3 FT
SLOW FALL NEXT 24 HOURS TO 5 1/2 TO 6 FT
SUNDAY MORNING.

HARTFORD FLOOD STAGE IS 16 FT 10AM STAGE IS 21.0 FT
FALLING VERY SLOWLY TODAY TO 20 TO 20 1/2 FT SUNDAY MORNING.

[BODKIN ROCK NR MIDDLETOWN FLOOD STAGE IS 8 FT 10AM STAGE WAS 11.7 FT
NOW NEAR CREST WITH VERY LITTLE CHANGE OVER NEXT 24 HOURS.

CHARLES RIVER
DOVER FLOOD STAGE IS 4 FEET. 9AM STAGE WAS MSG.
FALLING TO 4 FT SUNDAY MORNING.

MERRIMACK RIVER
LOWELL FLOOD STAGE IS 52 FEET. 9AM STAGE WAS 50.2 FT
FALLING TO NEAR 48 1/2 FT SUNDAY MORNING.

THE NEXT MESSAGE WILL BE ISSUED SUNDAY MORNING.

NERFC/LJM/CSH

12/83-6

April 1984

BOBFLWFS
MOUSE08 KNFD 051000
URGENT

FLOOD WARNING...PART 1 OF 2
NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT
12:32 PM EST APR 05 1984

THE NATIONAL WEATHER SERVICE HAS DECLARED A FLOOD WARNING FOR
CONNECTICUT AND MASSACHUSETTS WEST OF THE CONNECTICUT RIVER

A FLOOD WATCH REMAINS IN EFFECT FOR MASSACHUSETTS AND CONNECTICUT
EAST OF THE CONNECTICUT RIVER.

A STORM SYSTEM HAS MOVED INTO SOUTHERN NEW ENGLAND...BRINGING HEAVY
RAINS INTO THE AREA. RAINFALL TOTALS AS OF 7 AM THURSDAY WERE
GENERALLY BETWEEN 1/2 AND 1 INCH...WITH UP TO 2 INCHES REPORTED IN FAIR-
FIELD COUNTY IN CONNECTICUT. LESSOR AMOUNTS WERE REPORTED IN EASTERN
MASSACHUSETTS...WHERE HEAVY RAINS ARE JUST STARTING.

ADDITIONAL HEAVY RAINFALL IS EXPECTED DURING THE DAY THURSDAY. RUNOFF
FROM THIS RAIN...COMBINED WITH MELTING SNOW...WILL CAUSE RAPID RISES
IN AREA RIVERS AND STREAMS. SOME SMALLER STREAMS IN WESTERN PARTS
OF CONNECTICUT AND MASSACHUSETTS ARE ALREADY NEAR BANKFULL CONDITIONS.
AS MORE RAIN FALLS...MINOR FLOODING CAN BE EXPECTED IN MANY AREAS.

LARGER RIVERS IN SOUTHERN NEW ENGLAND WILL REACT LATER IN THE DAY
THURSDAY. MINOR FLOODING CAN BE EXPECTED BY FRIDAY MORNING AT THE
FOLLOWING LOCATIONS...

THE CONNECTICUT RIVER BETWEEN SPRINGFIELD...MA AND HARTFORD...CT

THE MOUSATONIC RIVER NEAR NEW MILFORD AND STEVENSON...CT

THE YANTIC RIVER NEAR NORWICH...CT

THE FARMINGTON RIVER NEAR SIMSBURY...CT

THE CHARLES RIVER NEAR DOVER...MA

THE ASSABET RIVER NEAR MAYNARD...MA

THE BLACKSTONE RIVER NEAR NORTHBRIDGE...MA

IF FLOODING OCCURS IN YOUR AREA...IT IS WISE TO FOLLOW A FEW RULES.

1. DO NOT TRY TO CROSS FLOODED ROADS AND BRIDGES. THE WATER MIGHT BE
2. DO NOT USE THE RIVERS FOR RECREATIONAL PURPOSES...AND DO NOT LET
YOUR CHILDREN PLAY NEAR RISING RIVERS AND STREAMS.
3. OBEY THE INSTRUCTIONS OF LOCAL CIVIL DEFENSE AND LAW ENFORCEMENT
AUTHORITIES.

HEPFC/TM

4/84 -1

~~SECRET~~

WOL688 KMF 051800

BULLETIN

FLOOD WARNING

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT

12:33 PM EST APR 05 1984

THE FOLLOWING ARE ARE MORE SPECIFIC FORECASTS.....

MOUSATONIC RIVER

GREAT BARRINGTON FLOOD STAGE IS 9 FEET. 7AM STAGE WAS 3.8 FT
RISE TO NEAR 7 FEET BY FRIDAY EVENING.

GAYLORDSVILLE FLOOD STAGE IS 8 FEET. 7AM STAGE WAS 5.6 FT
WILL REACH FLOOD STAGE OF 8 FT. THURSDAY EVENING.

STEVENSON FLOOD STAGE IS 12 FEET. 7AM STAGE WAS 8.2 FT
WILL REACH FLOOD STAGE OF 12 FEET THURSDAY EVENING.

CONNECTICUT RIVER

MONTAGUE CITY FLOOD STAGE IS 28 FEET. 7AM STAGE WAS 16.3 FT
RISE TO NEAR 24 FEET BY FRIDAY MORNING.

MOLYOKE FLOOD STAGE IS 9 FEET. 7AM STAGE WAS MSG
RISE TO BETWEEN 6 AND 6 1/2 FEET FRIDAY MORNING.

SPRINGFIELD FLOOD STAGE IS 28 FEET. 7AM STAGE WAS 7.1 FT
RISE TO NEAR 13 1/2 FEET FRIDAY MORNING.

THOMPSONVILLE 7AM STAGE WAS 2.4 FT
RISE TO NEAR 5 FEET BY FRIDAY MORNING.

HARTFORD FLOOD STAGE IS 16 FEET. 7AM STAGE WAS 18.8 FT
RISE TO NEAR FLOOD STAGE OF 16 FEET FRIDAY MORNING.

MIDDLETOWN FLOOD STAGE IS 8 FEET. 7AM STAGE WAS 4.8 FT
RISE TO NEAR 6 FEET BY FRIDAY MORNING.

CHICAGO RIVER

SHAM ORCHARD FLOOD STAGE IS 12 FEET. 7AM STAGE WAS 8.3 FT
RISE TO NEAR 11 1/2 FEET FRIDAY MORNING.

FARMINGTON RIVER

SIMSBURY FLOOD STAGE IS 12 FEET. 7AM STAGE WAS 7.7 FT
RISE TO NEAR FLOOD STAGE OF 12 FEET THURSDAY EVENING.

BLACKSTONE RIVER

NORTHBRIDGE FLOOD STAGE IS 9 FEET. 7AM STAGE WAS 5.8 FT
RISE TO NEAR 9 1/2 FEET EARLY FRIDAY MORNING.

WOONSOCKET FLOOD STAGE IS 9 FEET. 7AM STAGE WAS 4.8 FT
RISE TO NEAR 8 1/2 FEET FRIDAY MORNING.

YANTIC RIVER

MORRIS FLOOD STAGE IS 8 FEET. 7AM STAGE WAS EST. 6 FEET
RISE TO NEAR 9 1/2 FEET THURSDAY NIGHT.

SHETUCKET RIVER

MILLHANTIC FLOOD STAGE IS 13 FEET. 7AM STAGE WAS 5.8 FT
RISE TO NEAR 18 FEET FRIDAY MORNING.

CHARLES RIVER

DOVER FLOOD STAGE IS 4 FEET. 7AM STAGE WAS MSG
MINOR FLOODING NEXT FEW DAYS.

ASSABET RIVER

MAYNARD FLOOD STAGE IS 5 FEET. 7AM STAGE WAS 4.2 FT
RISE TO NEAR BANKFULL CONDITIONS FRIDAY MORNING.

MERRIMACK RIVER

FLOOD STAGE IS 22 FT. 7AM STAGE WAS 45.5 FT

4184-2

W00PLSHF

W00500 KXFD 060000

FLOOD STATEMENT

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT

06:00 PM EST APR 03 1984

A FLOOD WARNING REMAINS IN EFFECT MASSACHUSETTS AND CONNECTICUT WEST OF THE CONNECTICUT RIVER.

A FLOOD WATCH REMAINS IN EFFECT FOR SOUTHERN NEW ENGLAND EAST OF THE CONNECTICUT RIVER.

SHOWERS CONTINUE TO FALL OVER SOUTHERN NEW ENGLAND. SOUTHWESTERN CONNECTICUT HAS RECEIVED THE HIGHEST AMOUNTS...WITH STORM TOTALS RE/ 3 1/2 INCHES IN SPOTS. THE REST OF THE STATE RECEIVED BETWEEN 1 AND 2 1/2 INCHES. RHODE ISLAND HAS RECORDED BETWEEN 1 AND 2 INCHES SO F MASSACHUSETTS HAS RECEIVED BETWEEN 1/2 AND 1 1/2 INCHES...WITH EAST MASSACHUSETTS RECEIVING THE LOWER AMOUNTS.

MINOR FLOODING HAS BEEN REPORTED ON SMALL RIVERS IN WESTERN AREAS OF CONNECTICUT AND MASSACHUSETTS. THE NORWALK RIVER WAS OVER ITS BANKS NEAR WILTON...CT EARLIER THIS AFTERNOON. THE SAUGATUCK RIVER IS REPORTED TO BE IN FLOOD SOUTH OF SAUGATUCK...CONNECTICUT.

OF THE LARGER RIVERS IN THE AREA...THE HOUSATONIC RIVER IS OVER ITS BANKS IN THE STEVENSON...CT AREA...AND WILL GO OVER ITS BANKS IN THE NEW MILFORD...CT...AREA BY THIS EVENING. OTHER RIVERS EXPECTED TO REACH THEIR FLOOD STAGE BY FRIDAY MORNING INCLUDE THE CONNECTICUT RIVER NEAR HARTFORD...CT...THE FARMINGTON RIVER NEAR SIMSBURY...CT...AND THE BLACKSTONE RIVER AT NORTHBRIDGE...MA AND WOODSOCKET...RI.

THE FOLLOWING ARE ARE MORE SPECIFIC FORECASTS.....

HOUSATONIC RIVER

GREAT BARRINGTON FLOOD STAGE IS 9 FEET. 1PM STAGE WAS 3.9 FT
RISE TO BETWEEN 7 1/2 AND 8 FT BY FRIDAY MORNING.

SAYLORSVILLE FLOOD STAGE IS 8 FEET. 1PM STAGE WAS 7.1 FT
RISE TO NEAR 10 FT BY FRIDAY MORNING.

STEVENSON FLOOD STAGE IS 12 FEET. 1PM STAGE WAS 13.5 FT
RISE TO BETWEEN 15 AND 16 FT BY FRIDAY MORNING.

CONNECTICUT RIVER

MONTAGUE CITY FLOOD STAGE IS 20 FEET. 1PM STAGE WAS 17.7 FT
RISE TO NEAR 26 FT BY FRIDAY MORNING.

NORTHAMPTON FLOOD STAGE IS 112 FEET. 1PM STAGE WAS MISSING
RISE TO NEAR 111 FT BY FRIDAY MORNING.

SPRINGFIELD FLOOD STAGE IS 20 FEET. 1PM STAGE WAS 7.9 FT
RISE TO NEAR 13 FT BY FRIDAY MORNING.

THOMPSONVILLE 1PM STAGE WAS 2.5 FT
RISE TO NEAR 5 FT BY FRIDAY MORNING.

HARTFORD FLOOD STAGE IS 16 FEET. 1PM STAGE WAS 10.5 FT
RISE TO NEAR BANKFULL CONDITIONS BY FRIDAY MORNING.

WIDDLETOWN FLOOD STAGE IS 8 FEET. 1PM STAGE WAS 4.7 FT
RISE TO BETWEEN 6 AND 6 1/2 FT BY FRIDAY MORNING.

FARMINGTON RIVER

SIMSBURY FLOOD STAGE IS 12 FEET. 1PM STAGE WAS 9.3 FT
RISE TO NEAR 13 FT BY FRIDAY MORNING.

BLACKSTONE RIVER

W00PLSHF

4/84-3

BOBFLSHFD

W00800 KHFD 060500

FLOOD STATEMENT

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT

10:20 PM EST APR 05 1984 *Thur*

FLOOD STATEMENT FOR SOUTHERN NEW ENGLAND...PART 1 OF 2

SHOWERS CONTINUE TO FALL IN SOUTHERN NEW ENGLAND. PRECIPITATION TOTALS IN CONNECTICUT AS OF 7 PM FOR APRIL 4 TO APRIL 5 STORM GENERALLY RANGED FROM 1 1/2 TO 2 1/2 INCHES...WITH SOME SPOTS IN SOUTHWESTERN CONNECTICUT RECEIVING WELL OVER 3 1/2 INCHES. MASSACHUSETTS PRECIPITATION GENERALLY RANGED FROM 1 1/2 TO 2 1/2 INCHES...WITH SLIGHTLY LOWER AMOUNTS ALONG THE COAST. RHODE ISLAND ALSO REPORTS BETWEEN 1 1/2 TO 2 1/2 INCHES... WITH SHOWERS CONTINUING.

MINOR FLOODING HAS OCCURRED ON SMALLER STREAMS IN WESTERN AREAS OF CONNECTICUT AND MASSACHUSETTS. THE EAST AND WEST BRANCHES OF THE HOUSATONIC RIVER NORTHWEST OF BRIDGEPORT WERE OVER THEIR BANKS...AS WERE SMALL STREAMS IN THE BAKERSVILLE...CT AREA...NEAR TORRINGTON. MANY OF THESE STREAMS WILL REMAIN AT HIGH LEVELS THROUGH THURSDAY NIGHT.

LARGER RIVERS HAVE ALSO BEGUN TO REACT TO THIS STORM. THE HOUSATONIC RIVER IS ALREADY EXPERIENCING MINOR OVERFLOWS IN THE NEW MILFORD...CT AREA AND NEAR STEVENSON...CT. OTHER RIVERS EXPECTED TO REACH FLOOD STAGE BY FRIDAY MORNING INCLUDE THE CONNECTICUT RIVER NEAR HARTFORD...CT ...THE FARMINGTON RIVER NEAR SIMSBURY...CT...THE WESTFIELD RIVER AT WESTFIELD...MA...THE ASSABET RIVER NEAR MAYNARD...MA...AND THE BLACKSTONE RIVER AT BOTH NORTHBRIDGE...MA AND WOODSOCKET...RI.

BOBFLSHFD

W00800 KHFD 060400

FLOOD STATEMENT

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT

10:21 PM EST APR 05 1984

PART 2 OF 2

SPECIFIC FORECASTS FOR THE CONNECTICUT, MERRIMACK, NASHUA, CONCORD, AND CONNECOCK RIVERS IN SOUTHERN NEW ENGLAND.

CONNECTICUT RIVER

MONTAGUE CITY...MA FLOOD STAGE IS 20 FEET. 7PM STAGE WAS 20.1 FT
REACH FLOOD STAGE BY FRIDAY MORNING.

NORTHAMPTON...MA FLOOD STAGE IS 112 FEET. 7PM STAGE WAS MISSING
RISE TO NEAR 113 FT BY FRIDAY MORNING.

MOLYOKE...MA FLOOD STAGE IS 9 FEET. 7PM STAGE WAS MISSING
RISE TO NEAR 8 FT BY FRIDAY MORNING.

SPRINGFIELD...MA FLOOD STAGE IS 20 FEET. 7PM STAGE WAS MISSING
RISE TO NEAR 12 1/2 FT BY FRIDAY MORNING.

THOMPSONVILLE...CT 7PM STAGE WAS 2.0 FT
RISE TO NEAR 3 FT BY FRIDAY MORNING...THEN CONTINUED RISE.

HARTFORD...CT FLOOD STAGE IS 16 FEET. 7PM STAGE WAS 11.2 FT
RISE TO FLOOD STAGE BY NOON FRIDAY...THEN CONTINUE TO RISE.

MIDDLETOWN...CT FLOOD STAGE IS 8 FEET. 7PM STAGE WAS 5.2 FT
RISE TO FLOOD STAGE BY FRIDAY EVENING...THEN CONTINUED RISE.

MERRIMACK RIVER

LOWELL...MA FLOOD STAGE IS 52 FEET. 7PM STAGE WAS MISSING
RISE TO NEAR 40 1/2 FT BY FRIDAY MORNING.

FARMINGTON RIVER

SIMSBURY...CT FLOOD STAGE IS 12 FEET. 9PM STAGE WAS 11.2 FT
RISE TO FLOOD STAGE BY MIDNITE...NEAR 14 FT BY NOON FRIDAY.

4184-4

BOSFLSHFD

W00588 KMF 061800

FLOOD STATEMENT

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT
1116 AM EST APR 06 1984

FLOOD STATEMENT FOR SOUTHERN NEW ENGLAND...PART 1 OF 2

A FLOOD WARNING REMAINS IN EFFECT FOR THE HOUSATONIC AND FARMINGTON RIVERS IN CONNECTICUT...THE CONNECTICUT RIVER IN MASSACHUSETTS AND CONNECTICUT...AND THE BLACKSTONE RIVER IN RHODE ISLAND.

MOST OF THE SMALLER STREAMS THAT ROSE ABOVE THEIR BANKS ON THURSDAY IN WESTERN AREAS OF SOUTHERN NEW ENGLAND HAVE CRESTED AND ARE ON THE WAY DOWN. THE WESTFIELD RIVER...WHICH WAS ABOVE ITS FLOOD STAGE IN WESTFIELD...MA THURSDAY NIGHT AND FRIDAY MORNING...IS BACK BELOW ITS BANKS AND RECEDING. THE YONK RIVER CRESTED LATE THURSDAY NIGHT JUST INCHES BELOW ITS FLOOD STAGE AT NORWICH...CT.

ATTENTION IS NOW FOCUSED ON THE LARGER RIVERS IN OUR AREA...WHICH ARE SLOWER TO REACT. THE HOUSATONIC RIVER IS NOW NEAR CREST NEAR NEW MILFORD...CT...AND IS ALREADY RECEDING IN THE STEVENSON...CT AREA. MINOR FLOODING WILL CONTINUE ALONG THE HOUSATONIC RIVER IN CONNECTICUT ON FRIDAY.

THE CONNECTICUT RIVER IS SLIGHTLY ABOVE ITS FLOOD STAGE IN THE MONTAGUE CITY...MA AREA...AND IS EXPECTED TO CREST THERE FRIDAY AFTERNOON. IN THE HARTFORD...CT AREA...THE RIVER WILL REACH ITS FLOOD STAGE BY FRIDAY AFTERNOON...AND WILL CREST SATURDAY AFTERNOON. THE RIVER WILL REACH FLOOD STAGE IN THE MIDDLETOWN...CT AREA LATE FRIDAY...AND WILL CREST LATE SATURDAY. MINOR FLOODING CAN BE EXPECTED ALONG THE CONNECTICUT RIVER FOR THE NEXT FEW DAYS.

THE BLACKSTONE RIVER WILL CREST FRIDAY EVENING 1 1/2 TO 2 FEET ABOVE ITS FLOOD STAGE NEAR WOONSOCKET...RI. MINOR FLOODING WILL CONTINUE THROUGH SATURDAY MORNING.

THE FARMINGTON RIVER WILL CREST 2 FEET ABOVE ITS FLOOD STAGE EARLY FRIDAY AFTERNOON IN THE SIMSBURY...CT AREA. MINOR FLOODING WILL CONTINUE THROUGH SATURDAY MORNING.

PRECIPITATION TOTALS FOR THE APRIL 4 TO APRIL 6 STORM IN CONNECTICUT WERE 2 TO 3 INCHES IN EASTERN SECTIONS...1 1/2 TO 2 INCHES IN CENTRAL PORTIONS...AND GENERALLY 2 TO 3 INCHES IN WESTERN SECTIONS...WITH SOME AREAS IN FAIRFIELD COUNTY RECEIVING WELL OVER 3 1/2 INCHES.

IN MASSACHUSETTS...PRECIPITATION TOTALS VARIED WIDELY IN THE WESTERN PART OF THE STATE. TWO TO THREE INCHES WERE COMMON...BUT SOME LOCALLY HEAVY SHOWERS PRODUCED IN EXCESS OF 3 1/2 INCHES. CENTRAL SECTIONS OF THE BAY STATE RECEIVED BETWEEN 1 1/2 AND 2 INCHES...AND EASTERN SECTIONS RECEIVED BETWEEN 1 AND 2 INCHES.

RHODE ISLAND RECEIVED BETWEEN 3 AND 3 1/2 INCHES.

THE MERRIMACK RIVER IN EASTERN MASSACHUSETTS WILL CREST NEAR BANKFULL CONDITIONS.

ANOTHER MESSAGE WILL FOLLOW CONTAINING SPECIFIC FORECASTS.

END/C/M

4/84-5

BOBFLSHFD

UNUS88 KHFD 061700

FLOOD STATEMENT

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT

11:18 AM EST APR 06 1964 *Fr.*

PART 2 OF 2

THE FOLLOWING ARE MORE SPECIFIC FORECASTS.....

MASSATONIC RIVER

GAYLORDSVILLE..CT FLOOD STAGE IS 8 FEET. 7AM STAGE WAS 9.4 FT
NOW NEAR CREST. FALLING WITHIN ITS BANKS BY SATURDAY MORNING. 1

STEVENSON..CT FLOOD STAGE IS 12 FEET. 7AM STAGE WAS 13.4
HAS CRESTED. FALLING WITHIN ITS BANKS BY SATURDAY MORNING. 2

BLACKSTONE RIVER

NORTHBRIDGE..MA FLOOD STAGE IS 9 FEET. 7AM STAGE WAS 8.5 FT
NOW CRESTING. FALLING TO NEAR 6 FEET SATURDAY MORNING.

MOONSOCKET..RI FLOOD STAGE IS 9 FEET. 7AM STAGE WAS 10.8 FT
CREST 10 1/2 TO 11 FEET THIS EVENING...FALLING TO 9 FT SAT MORN. 3

SABET RIVER

MAYNARD..MA FLOOD STAGE IS 5 FEET. 7AM STAGE WAS 5.1 FT
NOW AT CREST. SLOW FALL LATER TODAY. 4

WESTFIELD RIVER

WESTFIELD..MA FLOOD STAGE IS 14 FEET. 7AM STAGE WAS 12.2 FT
HAS CRESTED. SLOW FALL TODAY.

CHARLES RIVER

DOVER..MA FLOOD STAGE IS 4 FEET. 7AM STAGE WAS MSG.
WILL REMAIN 1 TO 2 FEET OVER ITS BANKS NEXT SEVERAL DAYS. 5

CONNECTICUT RIVER

MONTAGUE CITY..MA FLOOD STAGE IS 28 FEET. 7AM STAGE WAS 28.1 FT
CREST NEAR 29 FEET THIS AFTERNOON..FALLING BELOW FLOOD STAGE SATURDAY. 7

NORTHAMPTON..MA FLOOD STAGE IS 112 FEET. 7AM STAGE WAS MISSING
CREST NEAR 112 1/2 FEET THIS EVENING. 8

WOLYOKE..MA FLOOD STAGE IS 9 FEET. 7AM STAGE WAS 6.8 FT
CREST THIS EVENING 8 TO 8 1/2 FEET.

SPRINGFIELD..MA FLOOD STAGE IS 20 FEET. 7AM STAGE WAS 12.6 FT
CREST NEAR 14 1/2 FEET SATURDAY MORNING.

THOMPSONVILLE..CT 7AM STAGE WAS 4.7 FT 9
CREST NEAR 6 FEET SATURDAY MORNING.

HARTFORD..CT FLOOD STAGE IS 16 FEET. 7AM STAGE WAS 14.2 FT 10
WILL REACH FLOOD STAGE EARLY THIS AFTERNOON AND WILL CREST NEAR
20 FEET SATURDAY AFTERNOON.

MIDDLETOWN..CT FLOOD STAGE IS 8 FEET. 7AM STAGE WAS 6.8 FT 11
REACH FLOOD STAGE THIS AFTERNOON AND WILL CREST 10 1/2 TO 11 FEET
ON SATURDAY EVENING.

MERRIMACK RIVER

LOWELL..MA FLOOD STAGE IS 52 FEET. 7AM STAGE WAS 48.1 FT 12
CREST 51 1/2 TO 52 FEET SATURDAY MORNING.

LAURENCE..MA FLOOD STAGE IS 20 FEET. 7AM STAGE WAS 16.6 FT
CREST NEAR 18 FEET SATURDAY MORNING.

HAVERHILL..MA FLOOD STAGE IS 15 FEET. 7AM STAGE WAS MSG.
CREST 13 1/2 TO 14 FEET SATURDAY MORNING.

4184-6

COMPLETED

WFOJED KHFD 071600

FLOOD STATEMENT

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT

11:11 AM EST APR 07 1984 Sat

FLOOD STATEMENT FOR SOUTHERN NEW ENGLAND

A FLOOD WARNING IS IN EFFECT FOR THE CONNECTICUT RIVER IN CONNECTICUT AND MASSACHUSETTS...THE FARMINGTON AND HOUSATONIC RIVERS IN CONNECTICUT...AND THE MERRIMACK RIVER IN EASTERN MASSACHUSETTS.

THE CONNECTICUT RIVER CONTINUES TO RISE FROM THE PAST FEW DAYS OF RAIN AND SNOW MELT THROUGHOUT MASSACHUSETTS AND CONNECTICUT.

THE CONNECTICUT RIVER WILL BE CRESTING AT 5 TO 6 FEET ABOVE FLOOD STAGE IN CONNECTICUT. SEE SPECIFIC FORECASTS FOR YOUR LOCALITY BELOW.

THE FARMINGTON RIVER IS 2 FEET OVER FLOOD STAGE AND FALLING VERY SLOWLY THIS MORNING. THE HOUSATONIC RIVER WILL BE IN ITS BANKS LATER TODAY. IN EASTERN MASSACHUSETTS THE MERRIMACK RIVER AT LOWELL IS CRESTING AND WILL BE FALLING SLOWLY LATER TODAY.

MINOR FLOODING CONTINUES ALONG THE PANTUCKET RIVER IN RHODE ISLAND.

THE FOLLOWING ARE MORE SPECIFIC FORECASTS.....

CONNECTICUT RIVER....

MERIDEN CITY..MA FLOOD STAGE IS 28 FEET. 7AM STAGE WAS 29.1 FT
WILL REMAIN NEAR 28 FEET TODAY THEN SLOW FALL EXPECTED.

NORTHAMPTON..MA FLOOD STAGE IS 112 FEET. 7AM STAGE WAS MISSING
WILL REMAIN NEAR 113 FEET FOR NEXT 24 HOURS.

MILYOKKE..MA FLOOD STAGE IS 9 FEET. 7AM STAGE WAS MISSING
WILL REMAIN BETWEEN 8 TO 9 FEET NEXT 24 HOURS.

SPRINGFIELD..MA FLOOD STAGE IS 20 FEET. 7AM STAGE WAS 14.6 FT
WILL CREST NOW... LITTLE CHANGE TODAY THEN SLOW FALL.

THOMPSONVILLE..CT 7AM STAGE WAS 4.5 FT
NEAR CREST NOW...LITTLE CHANGE TODAY THEN SLOW FALL.

HARTFORD..CT FLOOD STAGE IS 15 FEET. 7AM STAGE WAS 20.2 FT
WILL CREST NEAR 21 1/2 FEET EARLY SUNDAY MORNING THEN SLOWLY
FALLING TO 20 FEET MONDAY MORNING.

MIDDLETOWN..CT FLOOD STAGE IS 8 FEET. 7AM STAGE WAS 9.6 FT
RISING TO 12 FEET LATE SATURDAY NIGHT AND CRESTING 12 1/2 TO 13
FEET SUNDAY AFTERNOON.

MERRIMACK RIVER

LOWELL..MA FLOOD STAGE IS 52 FEET. 7AM STAGE WAS 53.0 FT
NOW CRESTING...LITTLE CHANGE TODAY THEN SLOW FALL TONIGHT.

LAWRENCE..MA FLOOD STAGE IS 20 FEET. 7AM STAGE WAS 21.4 FT
NOW NEAR CREST...LITTLE CHANGE TODAY THEN SLOW FALL TONIGHT.

HAVERHILL..MA FLOOD STAGE IS 15 FEET. 7AM STAGE WAS 15.0 FT
NOW CRESTING NEAR 15 FEET...THEN BEGIN SLOW FALL TONIGHT.

FARMINGTON RIVER

WINDSOR..CT FLOOD STAGE IS 12 FEET. 7AM STAGE WAS 14.0 FT

4/84-7

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30 KHFD 001000
D: STATEMENT
ONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT
5 AM EST APR 08 1984 SUM

D STATEMENT FOR SOUTHERN NEW ENGLAND

OOD WARNING CONTINUES FOR THE CONNECTICUT RIVER IN CONNECTICUT AND
ACHUSETTS...AND THE NASHUA...MERRIMACK...ASSABET...AND CHARLES RIVER
ASSACHUSETTS.

FLOOD WARNING IS DISCONTINUED FOR THE HOUSATONIC AND FARMINGTON
RS IN CONNECTICUT.

CONNECTICUT RIVER IS NOW NEAR CREST IN THE HARTFORD...CT AREA...AND
EXPECTED TO CREST IN THE EARLY MORNING HOURS ON MONDAY IN THE MIDDLE-
...CT AREA. MINOR FLOODING WILL CONTINUE ALONG THE CONNECTICUT
ER IN CONNECTICUT AND IN MASSACHUSETTS SOUTH OF SPRINGFIELD FOR THE
T FEW DAYS.

OR FLOODING CONTINUES ALONG THE MERRIMACK RIVER NEAR LOWELL...MA.
RIVER IS EXPECTED TO FALL BACK WITHIN ITS BANKS DURING THE NEXT 24
RS.

NASHUA RIVER NEAR EAST PEPPERELL...MA HAS CRESTED. MINOR FLOODING
L CONTINUE DURING THE NEXT 24 HOURS.

ASSABET RIVER AT MAYNARD...MA IS EXPECTED FALL BACK BELOW ITS BANKS
ING THE NEXT 24 HOURS.

FOLLOWING ARE ARE MORE SPECIFIC FORECASTS.....

ISATONIC RIVER

GREAT BARRINGTON FLOOD STAGE IS 9 FEET. 7AM STAGE WAS 5.84 FT
FALL TO BETWEEN 5 AND 5 1/2 FT BY MONDAY AM

GAYLORDSVILLE FLOOD STAGE IS 8 FEET. 7AM STAGE WAS 7.9 FT
SLOW FALL TO NEAR 7 1/2 FT BY MONDAY AM

STEVENSON FLOOD STAGE IS 12 FEET. 7AM STAGE WAS 10.7 FT
FALL TO BETWEEN 9 1/2 AND 10 FT BY MONDAY AM

CONNECTICUT RIVER

MONTAGUE CITY FLOOD STAGE IS 20 FEET. 7AM STAGE WAS 20.1 FT
FALL TO NEAR 20 1/2 FT BY MONDAY AM

NORTHAMPTON FLOOD STAGE IS 112 FEET. 7AM STAGE WAS MISSING
FALL TO NEAR 111 1/2 FT BY MONDAY AM

HOLYOKE FLOOD STAGE IS 9 FEET. 7AM STAGE WAS MISSING
FALL TO BETWEEN 7 AND 7 1/2 FT BY MONDAY AM

SPRINGFIELD FLOOD STAGE IS 20 FEET. 7AM STAGE WAS 15.4 FT
SLOW FALL TO NEAR 15 FT BY MONDAY AM

THOMPSONVILLE 7AM STAGE WAS 6.38 FT
SLOW FALL TO NEAR 6 FT BY MONDAY AM

HARTFORD FLOOD STAGE IS 16 FEET. 7AM STAGE WAS 21.61 FT
NOW AT CREST...LITTLE CHANGE NEXT 24 HOURS

MIDDLETOWN FLOOD STAGE IS 8 FEET. 7AM STAGE WAS 12.0 FT
CREST NEAR 12 1/2 TO 13 FT EARLY MONDAY AM

PHINOTON RIVER

4/84-8

BOSFLSHFD

WOUS00 KHFD 091800

FLOOD STATEMENT

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT

11:04 AM EST APR 09 1984 *Mon*

FLOOD STATEMENT FOR SOUTHERN NEW ENGLAND

FLOODING CONTINUES ALONG THE CONNECTICUT RIVER IN CONNECTICUT. THE RIVER IN CONNECTICUT HAS CRESTED 4.5 TO 5.5 FEET ABOVE FLOOD STAGE. THE RIVER WILL SHOW LITTLE CHANGE OVER THE NEXT 12 HOURS THEN WILL FALL SLOWLY FOR SEVERAL DAYS.

THE CHARLES RIVER IN EASTERN MASSACHUSETTS IS NOW CRESTING TWO FEET OVER FLOOD STAGE. IT WILL REMAIN ABOVE FLOOD STAGE FOR THE NEXT SEVERAL DAYS.

ELSEWHERE IN SOUTHERN NEW ENGLAND MOST RIVERS ARE WITHIN THEIR BANKS AND ARE RECEDING.

SPECIFIC FORECASTS ARE AS FOLLOWS.....

CONNECTICUT RIVER

MONTAGUE CITY..MA FLOOD STAGE IS 28 FEET. 7AM STAGE WAS 26.1 FT
CONTINUED SLOWLY FALLING TO NEAR 24 FT BY TUESDAY AM

NORTHAMPTON..MA FLOOD STAGE IS 112 FEET. 7AM STAGE WAS MISSING
CONTINUED SLOWLY FALLING TO NEAR 110 BY TUESDAY AM

HOLYOKE..MA FLOOD STAGE IS 9 FEET. 7AM STAGE WAS MISSING
CONTINUED SLOWLY FALLING TO NEAR 6 FT BY TUESDAY AM

SPRINGFIELD..MA FLOOD STAGE IS 20 FEET. 7AM STAGE WAS 14.57 FT
SLOWLY FALLING TO 13 - 13 1/2 FT BY TUESDAY AM

THOMPSONVILLE..CT 7AM STAGE WAS 5.30 FT
SLOWLY FALLING TO NEAR 5 1/2 FT BY TUESDAY AM

HARTFORD..CT FLOOD STAGE IS 16 FEET. 7AM STAGE WAS 21.40 FT
FALLING TO NEAR 20 FT BY TUESDAY AM AND 18 FT BY WED. AM

[MIDDLETOWN..CT FLOOD STAGE IS 8 FEET. 7AM STAGE WAS 12.1 FT *crest*
SLOWLY FALLING TO 11 1/2 TO 12 FT BY TUE. AM AND NEAR 10 FT WED. 3

MERRIMACK RIVER

LOWELL..MA FLOOD STAGE IS 52 FEET. 7AM STAGE WAS 51.4 FT
CONTINUED SLOW FALL TO NEAR 50 1/2 FT BY TUESDAY AM

LAWRENCE..MA FLOOD STAGE IS 20 FEET. 7AM STAGE WAS MISSING
SLOWLY FALLING TO NEAR 18 FT BY TUESDAY AM.

NASHUA RIVER

EAST PEPPERELL..MA FLOOD STAGE IS 8 FEET. 7AM STAGE WAS 10.6 FT
FALLING TO NEAR 6 TO 6 1/2 FT BY TUESDAY AM 4

CHICOPEE RIVER

INDIAN ORCHARD..MA FLOOD STAGE IS 12 FEET. 7AM STAGE WAS

FARMINGTON RIVER

4/84-9

WALLACE
JUN 19 1984
WALLACE

WALLACE
JUN 19 1984
WALLACE

FLOOD WARNING FOR SOUTHERN NEW ENGLAND

FLOOD WARNING IS IN EFFECT FOR THE ALL OF THE HOUSATONIC RIVER IN MASSACHUSETTS AND CONNECTICUT, THE FARMINGTON RIVER IN SIMSBURY, AND THE WESTFIELD RIVER IN MASSACHUSETTS...

FLOOD WARNING FOR SMALLER RIVERS AND STREAMS REMAINS IN EFFECT FOR THE WESTERN HILLS OF CONNECTICUT AND THE BARKSHIRES OF MASSACHUSETTS.

A NEW MOVING STORM SYSTEM HAS PRODUCED BETWEEN 4 1/2 TO 8 INCHES OF RAIN IN THE WESTERN PORTIONS OF MASSACHUSETTS AND CONNECTICUT. BETWEEN 2 1/2 TO 4 INCHES HAS FALLEN IN CENTRAL PORTIONS OF SOUTHERN NEW ENGLAND. THIS PRECIPITATION HAS CAUSED SIGNIFICANT RISES IN AREA STREAMS AND RIVERS.

SMALL STREAMS WILL BEGIN TO RECEDE LATE TONIGHT BUT THE LARGER RIVERS WILL CONTINUE TO RISE THROUGH THE DAY WEDNESDAY.

SPECIFIC FORECASTS TO FOLLOW...

CONNECTICUT RIVER

WATERBURY CITY, MA FLOOD STAGE IS 26 FEET. 7PM STAGE WAS 24.7 FT
RISE TO BETWEEN 26 1/2 AND 27 FEET BY MORNING...THEN CONTINUE RISING...

NORTHAMPTON, MA FLOOD STAGE IS 112 FEET. 7PM STAGE WAS MISSING
RISE TO NEAR FLOOD STAGE BY MORNING...THEN CONTINUE RISING...

WELLYKE, MA FLOOD STAGE IS 9 FEET. 7PM STAGE WAS MISSING
RISE TO NEAR 7 1/2 FEET BY MORNING...THEN CONTINUE RISING...

SPRINGFIELD, MA FLOOD STAGE IS 28 FEET. 7PM STAGE WAS MISSING
RISE TO NEAR 19 FEET BY MORNING...THEN CONTINUE RISING...

WATTSVILLE, CT 7PM STAGE WAS 2.74 FT
RISE TO NEAR 5 FEET BY MORNING...THEN CONTINUE RISING...

HARTFORD, CT FLOOD STAGE IS 16 FEET. 7PM STAGE WAS 9.4 FT
RISE TO FLOOD STAGE BY MID MORNING...THEN CONTINUE RISING...

WINDLETON, CT FLOOD STAGE IS 8 FEET. 7PM STAGE WAS 3.6 FT
RISE TO NEAR 8 1/2 FEET BY MORNING...THEN CONTINUE RISING...

ATACK RIVER

LOVELL, MA FLOOD STAGE IS 52 FEET. 7PM STAGE WAS 45.1
RISE TO NEAR 47.8 FEET BY MORNING...

COOPER RIVER

INDIAN ORCHARD, MA FLOOD STAGE IS 12 FEET. 7PM STAGE WAS MISSING
RISE TO NEAR 9 FEET BY MORNING.

FARMINGTON RIVER

SIMSBURY, CT FLOOD STAGE IS 12 FEET. 7PM STAGE WAS 9.1 FT
RISE TO NEAR FLOOD STAGE AFTER MIDNIGHT THEN TO BETWEEN 12 1/2
14.8 FEET BY MORNING.

HOUSATONIC RIVER

GR. BARRINGTON, MA FLOOD STAGE IS 9 FEET. 7PM STAGE WAS 6.7
RISE TO NEAR FLOOD STAGE BY MORNING...THEN CONTINUED RISING...

GRAYLORDSVILLE, CT FLOOD STAGE IS 8 FEET. 7PM STAGE WAS 7.4 FEET
RISE TO FLOOD STAGE AFTER MIDNIGHT THEN RISING TO NEAR 9 1/2 FT
BY DAYBREAK...

STEVENSON, CT FLOOD STAGE IS 12 FEET. 7PM STAGE WAS 11.2 FEET
RISE TO FLOOD STAGE AFTER MIDNIGHT THEN RISING TO NEAR 13 FT

June 1984

Rain Event (~ 8 in or more)
Largest RO since
1938

Tidal to ~ 6.0' msl
Could be on an
advance warning
list were est. ~ 13'
@ Bodkin Rock @
this time.

6184-1

UNRECORDED

WJLB 88 KHPD 382388

FLOOD STATEMENT

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT

8:48 PM EDT MAY 30 1984

SERIOUS FLOODING ALONG THE CONNECTICUT RIVER...

FLOOD WARNINGS ARE IN EFFECT FOR THE HOUSATONIC RIVER IN MASSACHUSETTS AND CONNECTICUT... THE WESTFIELD RIVER IN MASSACHUSETTS... THE FARMINGTON RIVER IN CONNECTICUT... AND THE CONNECTICUT RIVER IN MASSACHUSETTS AND CONNECTICUT

FLOOD WARNINGS REMAIN IN EFFECT FOR SMALL STREAMS IN THE BERKSHIRES OF MASSACHUSETTS AND THE NORTHWEST HILLS OF CONNECTICUT. FLOOD WATCHES ARE IN EFFECT FOR THE REST OF CONNECTICUT AND THE REST OF MASSACHUSETTS EXCEPT EXTREME SOUTHEASTERN SECTIONS.

RAID RISES ARE TAKING PLACE ALONG THE MAJOR RIVERS IN SOUTHERN NEW ENGLAND. THREE TO FIVE INCHES OF RAIN THROUGHOUT THE CONNECTICUT RIVER BASIN WILL CAUSE THE RIVER TO RISE TO LEVELS NOT SEEN SINCE THE DEVASTATING FLOODS OF 1955. SERIOUS FLOODING CAN BE EXPECTED ALONG THE CONNECTICUT RIVER THROUGHOUT ITS LENGTH IN CONNECTICUT AND MASSACHUSETTS.

MODERATE FLOODING WILL TAKE PLACE ALONG THE FARMINGTON RIVER IN CONNECTICUT. MINOR FLOODING WILL TAKE PLACE ALONG THE MERRIMACK... MERRIMACK... AND ASSABET RIVERS IN EASTERN MASSACHUSETTS.

SERIOUS FLOODING IS NOW OCCURRING ALONG THE HOUSATONIC RIVER.

ALL PERSONS LIVING AND WORKING ALONG UNPROTECTED AREAS OF THE CONNECTICUT RIVER IN CONNECTICUT AND MASSACHUSETTS ARE STRONGLY URGED TO MAKE PREPARATIONS TO PROTECT LIFE... LIMB... AND PROPERTY.

THE FOLLOWING ARE ARE MORE SPECIFIC FORECASTS.....

HOUSATONIC RIVER

GREAT BARRINGTON FLOOD STAGE IS 9 FEET. 1PM STAGE WAS 10.6 FEET.
RISE TO NEAR 12 FEET THURSDAY MORNING. RECORD FLOOD IS 12.1 FEET.

WAYLANDSVILLE FLOOD STAGE IS 8 FEET. 1PM STAGE WAS 13.9 FEET.
RISE TO NEAR 16 FEET THURSDAY MORNING.

STEVENSON FLOOD STAGE IS 12 FEET. 1PM STAGE WAS 19.6 FEET.
RISE TO NEAR 22 FEET THURSDAY MORNING.

CONNECTICUT RIVER

VENTNAGUE CITY FLOOD STAGE IS 28 FEET. 4PM STAGE WAS 34.9 FEET.
RISE TO BETWEEN 39 AND 40 FEET THURSDAY MORNING.

WORTHAMPTON FLOOD STAGE IS 112 FEET. 1PM STAGE WAS MISSING.
RISE TO NEAR 120 FEET THURSDAY MORNING.

WILYOK FLOOD STAGE IS 9 FEET. 1PM STAGE WAS 8.4 FEET.
RISE TO BETWEEN 11 AND 12 FEET EARLY THURSDAY AFTERNOON.

SPRINGFIELD FLOOD STAGE IS 20 FEET. 1PM STAGE WAS 17.8 FEET.
RISE TO BETWEEN 21 AND 22 FEET EARLY THURSDAY AFTERNOON.

THOMPSONVILLE 4PM STAGE WAS 7.6 FEET.
RISE TO BETWEEN 10 AND 11 FEET BY EARLY THURSDAY AFTERNOON.

HARTFORD FLOOD STAGE IS 16 FEET. 4PM STAGE WAS 19.6 FEET.
RISE TO NEAR 20 FEET BY EARLY THURSDAY AFTERNOON.

WADSWORTH FLOOD STAGE IS 8 FEET. 4PM STAGE WAS 7.9 FEET.
RISE TO BETWEEN 15 AND 16 FEET THURSDAY AFTERNOON.

WESTFIELD RIVER

WESTFIELD FLOOD STAGE IS 14 FEET. 4PM STAGE WAS MISSING.
REMAIN NEAR BANKFULL THROUGH THURSDAY MORNING.

6/84-2

UNCLAS
REF ID: A61000
MAY 28 1984
MAY 28 1984

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT
EST MAY 28 1984

THE NATIONAL WEATHER SERVICE HAS DECLARED A FLOOD WARNING FOR THE
CONNECTICUT RIVER IN CONNECTICUT AND MASSACHUSETTS.

FLOOD WARNINGS REMAIN IN EFFECT FOR THE HOUBATONIC RIVER IN MASSACHU-
SETTS AND CONNECTICUT...THE WESTFIELD RIVER IN MASSACHUSETTS...AND
THE FARMINGTON RIVER IN CONNECTICUT.

FLOOD WARNINGS FOR SMALL STREAMS REMAINS IN EFFECT IN THE BERKSHIRES
MASSACHUSETTS AND THE NORTHWEST HILLS OF CONNECTICUT.

CONNECTICUT RIVER IS RISING IN MASSACHUSETTS AND CONNECTICUT. THE
RIVER IS ABOVE ITS FLOOD STAGE IN NORTHERN MASSACHUSETTS...AND WILL
REACH ITS FLOOD STAGE IN NORTHERN CONNECTICUT WEDNESDAY MORNING.
AFFECTED AREAS OF THE CONNECTICUT RIVER IN CONNECTICUT AND MASSA-
CHUSETTS WILL EXPERIENCE MINOR FLOODING THROUGH WEDNESDAY.

HOUBATONIC RIVER IS ABOVE FLOOD STAGE IN GREAT BARRINGTON...MA AND
ABOUT 2 FEET ABOVE FLOOD STAGE IN NEW MILFORD...CT AND STEVENSON...CT.
FLOODING WILL CONTINUE IN THESE AREAS WEDNESDAY.

FLOODING WILL CONTINUE ALONG THE WESTFIELD RIVER IN WESTFIELD...
AFTER CRESTING 1/2 FOOT ABOVE FLOOD STAGE IN THE EARLY HOURS.

FARMINGTON RIVER IS 1 FOOT BELOW ITS FLOOD STAGE IN SIMSBURY...CT
IS RISING SLOWLY. MINOR FLOODING IS POSSIBLE WEDNESDAY MORNING.

SHOWERS ARE EXPECTED ON WEDNESDAY...BRINGING THE POSSIBILITY OF
HEAVY RAINFALL. THE GROUND IS STILL QUITE SATURATED...SO ANY
PRECIPITATION CAN BE EXPECTED TO RUN OFF. ALL PERSONS EFFECTED BY
RISING RIVERS AND STREAMS ARE URGED TO KEEP AHEAD OF THE SITUATION...
MONITOR NATIONAL WEATHER SERVICE FORECASTS AND WARNINGS.

NEXT MESSAGE WILL BE ISSUED LATE WEDNESDAY MORNING.

6184-3

BOSFLSHFD
MOUSOO KHFD 301600
BULLETIN

FLOOD STATEMENT

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT
10:40 AM EDT MAY 30 1984 Wed.

FLOOD WARNINGS REMAIN IN EFFECT FOR THE HOUSATONIC RIVER IN MASSACHUSETTS AND CONNECTICUT...THE WESTFIELD RIVER IN MASSACHUSETTS...THE FARMINGTON RIVER IN CONNECTICUT AND THE CONNECTICUT RIVER IN MASSACHUSETTS AND CONNECTICUT.

A FLOOD WARNING FOR SMALL STREAMS REMAINS IN EFFECT IN THE BERKSHIRES OF MASSACHUSETTS AND THE NORTHWEST HILLS OF CONNECTICUT.

FIVE TO SEVEN INCHES OF RAIN HAVING FALLEN IN PORTIONS OF THE BERKSHIRES AND THE NORTHWEST HILLS OF CONNECTICUT...THIS IS EXPECTED TO CAUSE MODERATE TO SEVERE FLOODING ALONG THE HOUSATONIC RIVER BASIN. THE FARMINGTON RIVER WHICH DID NOT YET REACHED FLOOD STAGE THIS MORNING WILL EXPERIENCE MODERATE FLOODING LATE TODAY AND TONIGHT.

THE CONNECTICUT RIVER WILL BE EXPERIENCING VERY SIGNIFICANT RISES...PERHAPS THE HIGHEST IN OVER A DECADE...THE EXTENT OF THE RISE WILL DEPEND ON HOW MUCH ADDITIONAL RAIN WE RECEIVE OVER THE NEXT 24 HOURS.

THE CAUSE FOR ALL THIS RAIN IS A VERY SLOW MOVING FRONTAL SYSTEM. THE CENTRAL PORTIONS OF MASSACHUSETTS AND CONNECTICUT HAS RECEIVED BETWEEN 2 AND 4 INCHES OF RAIN...SOMEWHAT LOWER AMOUNTS HAS FALLEN IN EASTERN AND COASTAL SECTIONS.

AN ADDITIONAL ONE TO TWO INCHES OF RAIN IS POSSIBLE OVER THE NEXT 24 HOURS. THE NATIONAL WEATHER SERVICE URGES THOSE LIVING IN FLOOD PRONE AREAS TO KEEP ABREAST OF THE SITUATION AND LISTEN FOR FURTHER STATEMENTS AND WARNINGS.

SPECIFIC FORECASTS TO FOLLOW....

CONNECTICUT RIVER

MONTAGUE CITY..MA FLOOD STAGE IS 28 FEET. 9AM STAGE WAS 31.9 FT
RISE TO BETWEEN 36 AND 38 FEET EARLY THURSDAY MORNING.

NORTHAMPTON..MA FLOOD STAGE IS 112 FEET. 7AM STAGE WAS MISSING
RISING TO BETWEEN 118 TO 119 FEET EARLY THURSDAY MORNING.

HOLYOKE..MA FLOOD STAGE IS 9 FEET. 7AM STAGE WAS 7.29 FEET
RISING TO NEAR 11 FEET BY THURSDAY MORNING.

SPRINGFIELD..MA FLOOD STAGE IS 20 FEET. 9AM STAGE WAS 16.1 FEET
RISE TO BETWEEN 17 AND 18 FEET BY THURSDAY MORNING.

THOMPSONVILLE..CT 9AM STAGE WAS 6.2 FEET
RISE TO BETWEEN 7 AND 8 FEET BY THURSDAY MORNING.

HARTFORD..CT FLOOD STAGE IS 16 FEET. 9AM STAGE WAS 16.2 FT
RISE TO BETWEEN 23 AND 24 FEET BY THURSDAY MORNING.

[MIDDLETOWN..CT FLOOD STAGE IS 8 FEET. 9AM STAGE WAS 6.5 FT
RISE TO BETWEEN 13 AND 14 FEET BY THURSDAY MORNING...THEN
CONTINUING TO RISE

MERRIMACK RIVER

LOVELL..MA FLOOD STAGE IS 52 FEET. 9AM STAGE WAS 48.2
RISE TO BETWEEN 51 AND 52 FEET BY THURSDAY MORNING.

6184-4

05FLSHF8

LOUS88 KMF8 318408

FLOOD STATEMENT

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT
10:55 PM EDT MAY 30 1984

FLOOD STATEMENT FOR SOUTHERN NEW ENGLAND...PART 1 OF 2

VERY SERIOUS FLOODING ON THE HOUSATONIC AND CONNECTICUT RIVERS IN
CONNECTICUT AND MASSACHUSETTS...

A RIVER FLOOD WARNING REMAINS IN EFFECT FOR SOUTHERN NEW ENGLAND.

A FLOOD WARNING FOR SMALLER STREAMS REMAINS IN EFFECT FOR BERKSHIRE
AND FRANKLIN COUNTIES IN MASSACHUSETTS AND THE NORTHWEST HILLS OF
CONNECTICUT. A FLOOD WATCH FOR SMALLER STREAMS REMAINS IN EFFECT
FOR THE REMAINDER OF CONNECTICUT AND MASSACHUSETTS.

THE MAJOR RIVERS IN WESTERN MASSACHUSETTS AND WESTERN CONNECTICUT
CONTINUE TO RISE TO LEVELS NOT SEEN IN MANY YEARS. VERY
SERIOUS FLOODING CAN BE EXPECTED ALONG THE HOUSATONIC RIVER IN
GREAT BARRINGTON...MA...NEW MILFORD...CT...AND STEVENSON...CT.
VERY SERIOUS FLOODING HAS BEEN REPORTED IN NEW MILFORD...WHERE A
SHOPPING CENTER HAS WATER UP TO ITS WINDOWS. EVACUATIONS HAVE
TAKEN PLACE IN NEW MILFORD AND DOWNSTREAM OF THE STEVENSON DAM.
ROAD CLOSINGS ARE COMMON.

THE CONNECTICUT RIVER IS IN FLOOD THROUGHOUT ITS LENGTH IN SOUTHERN
NEW ENGLAND. MANY AREAS WILL SEE RIVER LEVELS NOT APPROACHED SINCE
THE FLOODS OF 1955. SEVERE FLOODING CAN BE EXPECTED.

THE FARMINGTON RIVER WILL CONTINUE TO RISE THROUGHOUT THE NIGHT...
CAUSING MODERATE FLOODING.

ELSEWHERE IN SOUTHERN NEW ENGLAND...MINOR FLOODING CAN BE EXPECTED
ON THE CHICOPEE AND WESTFIELD RIVERS IN WESTERN MASSACHUSETTS...AND
ON THE MERRIMACK...NASHUA...AND ASSABET RIVERS IN EASTERN MA.

THE STORM SYSTEM THAT CONTINUES TO CAUSE PRECIPITATION HAS DELIVERED
IN EXCESS OF 4 AND 5 INCHES THROUGHOUT THE CONNECTICUT RIVER VALLEY...
AND AMOUNTS REACHING EIGHT INCHES IN THE HOUSATONIC RIVER VALLEY.
EASTERN SECTIONS OF MASSACHUSETTS...CONNECTICUT...AND RHODE ISLAND
HAVE RECEIVED CONSIDERABLY LESS.

ALL PERSONS LIVING AND WORKING ALONG UNPROTECTED AREAS OF THE
CONNECTICUT AND HOUSATONIC RIVERS ARE STRONGLY URGED TO MAKE
PREPARATIONS TO PROTECT LIFE...LIFE...AND PROPERTY.
IF FLOODING IS ENCOUNTERED...IT IS WISE TO FOLLOW A FEW RULES...

1. DO NOT GO NEAR RISING RIVERS UNLESS YOU MUST. YOU MAY INTERFERE
WITH FLOOD FIGHTING EFFORTS...AND YOU MAY BE INJURED.

2. DO NOT USE THE RIVERS FOR RECREATIONAL PURPOSES...NOR SHOULD YOU
ALLOW YOUR CHILDREN TO PLAY NEAR RISING RIVERS AND STREAMS.

3. DO NOT TRY TO DRIVE ALONG FLOODED ROADS AND BRIDGES. THEY MAY HAVE
BEEN WASHED OUT.

4. OBEY THE INSTRUCTIONS OF YOUR LOCAL POLICE AND CIVIL DEFENSE
AUTHORITIES.

ANOTHER MESSAGE WILL FOLLOW WITH SPECIFIC FORECASTS.

6184-5

DOEFLBHD

NOUS88 KHFD 318488

FLOOD STATEMENT

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT

6:03 PM EDT MAY 30 1984

FLOOD STATEMENT...PART 2 OF 2

THE FOLLOWING ARE ARE MORE SPECIFIC FORECASTS.....

HOUSATONIC RIVER

GREAT BARRINGTON FLOOD STAGE IS 9 FEET. 7PM STAGE WAS 10.6 FT
RISE TO NEAR 12 FT THURSDAY MORNING. RECORD FLOOD IS 12.1 FT

DAYLORDSVILLE FLOOD STAGE IS 8 FEET. 7PM STAGE WAS 15.3 FT
RISE TO BETWEEN 15 1/2 AND 16 FT THURSDAY MORNING.

STEVENSON FLOOD STAGE IS 12 FEET. 7PM STAGE WAS 22.4 FT
RISE TO BETWEEN 22 1/2 AND 23 FT THURSDAY MORNING.

CONNECTICUT RIVER

MONTAGUE CITY FLOOD STAGE IS 28 FEET. 7PM STAGE WAS 36.8 FT
RISE TO BETWEEN 38 AND 39 FT BY THURSDAY AFTERNOON

NORTHAMPTON FLOOD STAGE IS 112 FEET. 9PM STAGE WAS 117.3 FT
RISE TO NEAR 128 FT THURSDAY MORNING.

MOLYDKE FLOOD STAGE IS 9 FEET. 7PM STAGE WAS MISSING
RISE TO BETWEEN 11 AND 12 FT BY EARLY THURSDAY AFTERNOON.

SPRINGFIELD FLOOD STAGE IS 28 FEET. 7PM STAGE WAS 18.6 FT
RISE TO BETWEEN 21 AND 22 FT EARLY THURSDAY AFTERNOON.

THOMPSONVILLE 7PM STAGE WAS 8.1 FT
RISE TO BETWEEN 9 1/2 AND 10 FT EARLY THURSDAY AFTERNOON.

HARTFORD FLOOD STAGE IS 16 FEET. 7PM STAGE WAS 28.6 FT
RISE TO NEAR 28 FT EARLY THU PM. 29 TO 30 FT FRIDAY MORNING.

MIDDLETOWN FLOOD STAGE IS 8 FEET. 7PM STAGE WAS 9.3 FT
RISE TO 15 TO 16 FT THUR PM. RISE TO 19 FT FRIDAY MORNING.

WESTFIELD RIVER

WESTFIELD FLOOD STAGE IS 14 FEET. 7PM STAGE WAS 14.5 FT
RISE TO NEAR 15 TO 15 FT THURSDAY MORNING.

BIRMINGHAM RIVER

SIMSBURY FLOOD STAGE IS 12 FEET. 7PM STAGE WAS 13.4 FT
RISE TO 15 TO 16 FT BY EARLY THURSDAY AFTERNOON.

MASSABET RIVER

MAYNARD FLOOD STAGE IS 5 FEET. 7PM STAGE WAS MISSING
RISE TO NEAR 6 FT THURSDAY AFTERNOON.

MAHARIPACK RIVER

LOWELL FLOOD STAGE IS 52 FEET. 7PM STAGE WAS 58.2 FT
RISE TO NEAR 53 FT EARLY THURSDAY AFTERNOON

LAURENCE FLOOD STAGE IS 28 FEET. 7PM STAGE WAS MISSING
RISE TO NEAR 21 1/2 FT EARLY THURSDAY AFTERNOON.

HARVERHILL FLOOD STAGE IS 15 FEET. 7PM STAGE WAS MISSING
RISE TO NEAR 14 1/2 FT THURSDAY AFTERNOON.

MAHUA RIVER

EAST PEPPERELL FLOOD STAGE IS 8 FEET. 7PM STAGE WAS 6.7 FT
RISE TO FLOOD STAGE TONITE...TO 10 TO 11 FT THURSDAY PM

THE NEXT MESSAGE WILL BE ISSUED THURSDAY MORNING

WHEG/CPH

6184-6

005FLMFD

000000 KHFD 311700

BULLETIN

FLOOD WARNING

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT

12:00 PM EDT MAY 31 1984 *Thur.*

PART TWO OF MESSAGE

THE FOLLOWING ARE ARE MORE SPECIFIC FORECASTS.....

HOUSATONIC RIVER

GREAT BARRINGTON FLOOD STAGE IS 9 FEET. 7AM STAGE WAS 10.9 FEET.
REMAIN NEAR 11 FEET THROUGH FRIDAY MORNING.

DAYLORDSVILLE FLOOD STAGE IS 8 FEET. 7AM STAGE WAS 15.8 FEET.
RISE TO 16 1/2 TO 17 FEET LATE TONIGHT.

STEVENSON FLOOD STAGE IS 12 FEET. 7AM STAGE WAS 21.7 FEET.
RISE TO NEAR 23 FEET TONIGHT.

CONNECTICUT RIVER

MONTAGUE CITY FLOOD STAGE IS 28 FEET. 7AM STAGE WAS 37.1 FEET.
RISE TO NEAR 40 FEET LATE TONIGHT.

NORTHAMPTON FLOOD STAGE IS 112 FEET. 7AM STAGE WAS MISSING.
RISE TO NEAR 121 FEET LATE TONIGHT.

HOLYOKE FLOOD STAGE IS 9 FEET. 7AM STAGE WAS 10.1 FEET.
RISE TO NEAR 12 FEET EARLY FRIDAY MORNING.

SPRINGFIELD FLOOD STAGE IS 28 FEET. 7AM STAGE WAS 21.2 FEET.
RISE TO 22 TO 23 FEET EARLY FRIDAY MORNING.

THOMPSONVILLE 7AM STAGE WAS 9.9 FEET.
RISE TO NEAR 12 FEET EARLY FRIDAY MORNING.

HARTFORD FLOOD STAGE IS 16 FEET. 7AM STAGE WAS 24.9 FEET.
RISE TO NEAR 30 FT FRIDAY MORNING. TO NEAR 31 FEET SATURDAY MORN.

MIDDLETOWN FLOOD STAGE IS 8 FEET. 7AM STAGE WAS 13.4 FEET.
RISE TO 19 TO 20 FEET FRIDAY MORNING. NEAR 21 FEET SATURDAY MORN.

WESTFIELD RIVER

WESTFIELD FLOOD STAGE IS 14 FEET. 7AM STAGE WAS 12.2 FEET.
REMAIN NEAR BANKFULL THROUGH FRIDAY MORNING.

SHANNON RIVER

SANDSBURY FLOOD STAGE IS 12 FEET. 7AM STAGE WAS 15.1 FEET.
RISE TO 16 1/2 FEET FRIDAY MORNING.

BLACKSTONE RIVER

NORTHBRIDGE FLOOD STAGE IS 9 FEET. 7AM STAGE WAS 6.2 FEET.
RISE TO BETWEEN 8 AND 9 FEET LATE TONIGHT.

BOONSOCKET FLOOD STAGE IS 9 FEET. 7AM STAGE WAS 6.6 FEET.
RISE TO FLOOD STAGE LATE TONIGHT.

MAHIC RIVER

MORRIS FLOOD STAGE IS 8 FEET. 7AM STAGE WAS MISSING.
RISE TO NEAR 9 FEET BY THIS EVENING.

MAHIC RIVER

WILLIMANTIC FLOOD STAGE IS 13 FEET. 7AM STAGE WAS 10.1 FEET.
RISE TO NEAR 12 FEET BY LATE TONIGHT.

CHARLES RIVER

DOVER FLOOD STAGE IS 4 FEET. 7AM STAGE WAS 2.42 FEET.
RISE TO FLOOD STAGE ON FRIDAY. SLOW RISE THEREAFTER.

6184-7

UNOFFICIAL

WQUG88 KHFD 311600

BULLETIN

FLOOD WARNING

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT

3102 AM EDT MAY 31 1984

PART ONE OF TWO MESSAGES....

RIVER FLOOD WARNINGS HAVE BEEN ISSUED FOR THE YANTIC RIVER IN CONNECTICUT, NASHUA, ASSABET, MERRIMACK RIVER IN MASSACHUSETTS AND THE BLACKSTONE IN RHODE IS.

RIVER FLOOD WARNINGS REMAIN EFFECT FOR THE CONNECTICUT, FARMINGTON, HOUSATONIC, CHICAPEE, AND PAWTUCKET RIVER.

FLOOD WARNINGS REMAIN IN EFFECT FOR REST OF CONNECTICUT, AND FOR ALL BUT SOUTHEASTEN MASSACHUSETTS.

A FLOOD WATCH REMAINS IN EFFECT ELSEWHERE IN SOUTHERN NEW ENGLAND EXCEPT CAPE COD.

SERIOUS FLOODING IS TAKING PLACE ALONG THE HOUSATONIC AND THE CONNECTICUT RIVER THIS MORNING. CONDITIONS WILL BECOME MORE SERIOUS ALONG THE CONNECTICUT AS THE RIVER CONTINUES TO RISE.

THE FLOWS FORECASTED ALONG THE CONNECTICUT RIVER ARE COMPARABLE TO THAT OF THE FLOOD OF 1955. THOSE PEOPLE LIVING ALONG THE RIVER IN SENSITIVE NONPROTECTED AREAS ARE URGED TO KEEP ABREAST OF THE SITUATION AND PREPARE TO TAKE ACTION IF NECESSARY.

ALONG THE HOUSATONIC, FLOWS ARE ALREADY AT THEIR HIGHEST LEVELS SINCE THE FLOOD OF 1955. THE RIVER IS NOT RISING AT AS GREAT A RATE AS LATE YESTERDAY BUT WILL CONTINUE TO RISE ANOTHER FOOT OR SO BEFORE CRESTING LATE TODAY OR TONIGHT.

THE FARMINGTON RIVER WAS AT 19 FEET THIS MORNING AND STILL RISING. THE RIVER WILL RISE TO LEVELS APPROACHING THAT OF JUNE OF 1982.

THE RIVERS IN EASTERN MASSACHUSETTS, EASTERN CONNECTICUT AND RHODE ISLAND ARE ALSO BEGINNING TO SHOW LARGE RISES. NEAR BRANKFULL OR OVERFLOW CONDITIONS ALREADY EXIST FOR THE YANTIC RIVER IN CONNECTICUT, THE ASSABET AND MERRIMACK RIVER IN MASSACHUSETTS, PAWTUCKET RIVER IN RHODE ISLAND AND IN NUMEROUS OTHER SMALLER RIVERS AND STREAMS. AN ADDITIONAL TWO

INCHES OF RAIN CAN BE EXPECTED OVER THE NEXT 12 TO 18 HOURS.

THE ADDITIONAL RAINFALL WILL CAUSE SIGNIFICANT FLOODING IN SOME OF THE AREAS OF EASTERN MASSACHUSETTS.

OVER THE LAST 24 HOURS SOUTHERN NEW ENGLAND HAS RECEIVED BETWEEN 1.4 TO 3.8 INCHES OF RAIN. THE AREAS RECEIVING THE HIGHEST AMOUNTS WERE IN THE NORTHERN AND CENTRAL PORTIONS OF MASSACHUSETTS AND CONNECTICUT. THESE WILL RECEIVE ADDITIONAL RAIN TODAY.

SPECIFIC FORECASTS WILL BE FOUND IN PART TWO OF THIS MESSAGE TO FOLLOW

WRF/CJL/TCH/LH

6184-8

000FLSHFD

000000 KHFD 010500

FLOOD STATEMENT

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT

1114 PM EDT MAY 31 1984

FLOOD STATEMENT FOR SOUTHERN NEW ENGLAND.....

.....MAJOR FLOODING EXPECTED ON THE CONNECTICUT RIVER.....

SEVER FLOOD WARNINGS ARE STILL IN EFFECT FOR THE NASHUA, ASSABET,
AND MERRIMACK RIVER IN MASSACHUSETTS AND THE BLACKSTONE IN RHODE IS.

ALSO RIVER FLOOD WARNINGS REMAIN IN EFFECT FOR THE CONNECTICUT,
HOUSATONIC, FARMINGTON, CHICOPEE, AND PAWTUCKET RIVER.

FLOOD WARNINGS REMAIN IN EFFECT FOR REST OF CONNECTICUT, MASSACHUSETTS.

SERIOUS FLOODING IS TAKING PLACE ALONG THE HOUSATONIC AND THE CONNECTICUT
RIVER THIS EVENING. CONDITIONS WILL BECOME EVEN MORE SERIOUS ALONG THE
CONNECTICUT AS THE RIVER CONTINUES TO RISE. NOT SINCE AUGUST 1955 HAVE
WE SEEN SUCH A FLOOD. ALL AFFECTED PEOPLE SHOULD RELATE TO THE HIGH
WATER MARKS THAT INUNDATED THE CONNECTICUT RIVER VALLEY THAT YEAR IF AT
ALL POSSIBLE. CONTACT LOCAL AUTHORITIES IF HELP IS NEEDED.

THE NATIONAL WEATHER SERVICE WARNS ALL INTERESTED PEOPLE TO
TAKE PROTECTIVE ACTION FOR LIVES AND ALSO PROPERTY. KEEP ABEAST OF
THIS SITUATION AND PREPARE TO TAKE ACTION IF NECESSARY.

ALONG THE HOUSATONIC, FLOWS ARE AT THEIR HIGHEST LEVELS SINCE THE
FLOOD OF 1955. THE RIVER HAS CRESTED THIS EVENING AND WILL BE FALLING
RAPIDLY THROUGH TONIGHT.

~~THE FARMINGTON RIVER WAS AT 16 FEET THIS EVENING AND STILL RISING.~~
~~THE RIVER WILL RISE TO LEVELS APPROACHING THAT OF JUNE OF 1982.~~

THE RIVERS IN EASTERN MASSACHUSETTS, EASTERN CONNECTICUT AND RHODE
ISLAND ARE ALSO SHOWING LARGE RISES. NEAR BANKFULL OR OVERFLOW
CONDITIONS EXIST ON THE YANTIC RIVER IN CONNECTICUT, THE ASSABET
AND MERRIMACK RIVER IN MASSACHUSETTS, PAWTUCKET RIVER IN RHODE ISLAND
AND IN NUMEROUS OTHER SMALLER RIVERS AND STREAMS.

THE ONLY GOOD NEWS IS THAT THE PERSISTENT RAINS THIS PAST WEEK HAVE
FINALLY MOVED OUT OF MOST OF SOUTHERN NEW ENGLAND.

SPECIFIC FORECASTS WILL BE FOUND IN PART TWO OF THIS MESSAGE TO FOLLOW.

WEECA JMVCH/TH

6/84-9

000FLSHD

MOUSE KHFD 010400

FLOOD STATEMENT

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT

11:21 AM EDT MAY 31 1984 *Thur*

PART TWO OF MESSAGE

THE FOLLOWING ARE ARE MORE SPECIFIC FORECASTS.....

MASSACHUSETTS RIVER

GREAT BARRINGTON FLOOD STAGE IS 9 FEET. 7PM STAGE WAS 10.0 FEET.
HAS CRESTED. FALL TO NEAR 10 FEET BY FRIDAY MORNING.

SAYLORSVILLE FLOOD STAGE IS 8 FEET. 7PM STAGE WAS 15.0 FEET.
HAS CRESTED. BEGIN FALLING TO NEAR 15 FEET FRIDAY MORNING.

STEVENSON FLOOD STAGE IS 12 FEET. 7PM STAGE WAS 21.0 FEET.
HAS CRESTED. BEGIN FALLING TO NEAR 21 FEET FRIDAY MORNING.

CONNECTICUT RIVER

MONTAGUE CITY FLOOD STAGE IS 20 FEET. 7PM STAGE WAS 30.1 FEET.
REMAIN NEAR CURRENT LEVELS THROUGH FRIDAY MORNING.

NORTHAMPTON FLOOD STAGE IS 112 FEET. 7PM STAGE WAS MISSING.
REMAIN NEAR CURRENT LEVELS THROUGH FRIDAY MORNING.

MOLYOKE FLOOD STAGE IS 9 FEET. 7PM STAGE WAS MISSING.
REMAIN NEAR CURRENT LEVELS THROUGH FRIDAY MORNING

SPRINGFIELD FLOOD STAGE IS 20 FEET. 7PM STAGE WAS 22.6 FEET.
NOW AT CREST. REMAIN NEAR 22 1/2 FEET THROUGH FRIDAY MORNING.

THOMPSONVILLE 7PM STAGE WAS 10.4 FEET.
NOW NEAR CREST. REMAIN NEAR 10 1/2 FEET THROUGH FRIDAY MORNING.

HARTFORD FLOOD STAGE IS 16 FEET. 7PM STAGE WAS 20.2 FEET.
RISE TO NEAR 30 FT. BY FRIDAY MORNING. CREST 30 TO 31 FT FRIDAY EVE.

MIDDLETOWN FLOOD STAGE IS 8 FEET. 7PM STAGE WAS 17.1 FEET.
RISE TO 19 TO 20 FT FRIDAY MORNING. CREST NEAR 21 FT EARLY SATURDAY.

WESTFIELD RIVER

WESTFIELD FLOOD STAGE IS 14 FEET. 7PM STAGE WAS 12.0 FEET.
REMAIN NEAR CURRENT LEVELS THROUGH FRIDAY MORNING.

ARMINGTON RIVER

SIMSBURY FLOOD STAGE IS 12 FEET. 7PM STAGE WAS 16.0 FEET.
CREST NEAR 16 1/2 FEET FRIDAY MORNING.

BLACKSTONE RIVER

NORTHBRIDGE FLOOD STAGE IS 9 FEET. 5PM STAGE WAS 8.3 FEET.
NOW NEAR CREST. SLOW FALL BEGINNING LATER TONIGHT.

WOONSOCKET FLOOD STAGE IS 9 FEET. 7PM STAGE WAS 8.0 FEET.
CREST NEAR 10 FEET FRIDAY MORNING.

YANTIC RIVER

NORWICH FLOOD STAGE IS 8 FEET. 7PM STAGE WAS MISSING.
RIVER HAS CRESTED WITH ONLY MINOR FLOODING UNDERWAY TONIGHT.

SHETUCKET RIVER

WILLIMANTIC FLOOD STAGE IS 13 FEET. 7PM STAGE WAS 10.0 FEET.
CREST NEAR 12 FEET LATE FRIDAY MORNING.

CHARLES RIVER

DOVER FLOOD STAGE IS 4 FEET. 7PM STAGE WAS MISSING.
RISE TO BANKFULL AND REMAIN THERE FOR SEVERAL DAYS.

ASSABET RIVER

MAYNARD FLOOD STAGE IS 5 FEET. 7PM STAGE WAS MISSING.

6/84-10

0001 0115

011500 KMD 011600

FLOOD STATEMENT

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT

011500 W189T JUN 01 1984

STATE OF CONNECTICUT

RECORD FLOODING IN SOUTHERN NEW ENGLAND

RECORD AMOUNTS OF 6 TO 9 INCHES OVER THE PAST SEVERAL DAYS HAVE CAUSED RECORD FLOODING ALONG THE MAJOR STREAMS IN SOUTHERN NEW ENGLAND.

THE CONNECTICUT RIVER HAS CRESTED IN MASSACHUSETTS, REACHING THE HIGHEST STAGES SINCE THE HURRICANE FLOOD OF SEPTEMBER 1938. MONTAGUE CITY CRESTED AT 30.1 FEET WHILE IT REACHED 22.7 FEET AT SPRINGFIELD, MA. THIS FLOOD PROMISES TO SLIGHTLY EXCEED THE AUGUST 1955 FLOOD IN THE CONNECTICUT PART OF THE RIVER. MAXIMUM VALUES IN 1955 WERE 30.6 FEET AT HARTFORD AND 28.4 FEET AT MIDDLETOWN.

HOUSATONIC CRESTED LAST EVENING AND SHOULD SLOWLY RECEED. CRESTS OF AT GREAT BARRINGTON, 22.4 FEET AT GAYLODSVILLE AND 16.0 FEET AT STEVENSON.

THE 1955 CRESTS AT GREAT BARRINGTON AND GAYLODSVILLE WHILE STEVENSON WAS JUST BELOW THE 1955 RECORD.

THE HARTFORD RIVER CRESTED AT SIMSBURY EARLY THIS MORNING AT 16.2 FEET, NEARLY EQUALING THE FLOOD OF JUNE OF 1982.

THE FOLLOWING ARE MORE SPECIFIC FORECASTS.....

HOUSATONIC RIVER

GREAT BARRINGTON FLOOD STAGE IS 9 FEET. 7AM STAGE WAS 18.4 FEET. SLOW FALL TO NEAR 9 1/2 FEET SATURDAY MORNING.

GAYLODSVILLE FLOOD STAGE IS 8 FEET. 7AM STAGE WAS 15.8 FEET. SLOW FALL TO NEAR 14 FEET SATURDAY MORNING.

STEVENSON FLOOD STAGE IS 12 FEET. 7AM STAGE WAS 19.5 FEET. FALL TO NEAR 17 1/2 FEET SATURDAY MORNING.

CONNECTICUT RIVER

MONTAGUE CITY FLOOD STAGE IS 28 FEET. 7AM STAGE WAS 36.5 FEET. FALL TO NEAR 33 FEET SATURDAY MORNING.

NORTHAMPTON FLOOD STAGE IS 112 FEET. 7AM STAGE WAS MISSING. FALL TO NEAR 116 FEET SATURDAY MORNING.

WOLYCKE FLOOD STAGE IS 9 FEET. 7AM STAGE WAS MISSING. FALL TO 9 1/2 TO 10 FEET SATURDAY MORNING.

SPRINGFIELD FLOOD STAGE IS 28 FEET. 7AM STAGE WAS 22.5 FEET. FALL TO 28 TO 21 FEET SATURDAY MORNING.

WATSONVILLE 7AM STAGE WAS 18.3 FEET. SLOW FALL TO NEAR 9 FEET SATURDAY MORNING.

HARTFORD FLOOD STAGE IS 16 FEET. 7AM STAGE WAS 30.3 FEET. CREST NEAR 31 FEET EARLY THIS EVENING.

MIDDLETOWN FLOOD STAGE IS 8 FEET. 7AM STAGE WAS 19.7 FEET. CREST 21 TO 22 FEET EARLY SATURDAY MORNING.

HARTFORD RIVER

SIMSBURY FLOOD STAGE IS 12 FEET. 7AM STAGE WAS 16.1 FEET. HAS CRESTED. FALL TO NEAR 14 FEET SATURDAY MORNING.

WOLYCKE RIVER

WOLYCKE FLOOD STAGE IS 9 FEET. 7AM STAGE WAS 8.8 FEET.

6184-11

HOUS88 KHFD 020300

FLOOD STATEMENT

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT

10:45 PM EDT JUN 01 1984

FLOOD STATEMENT FOR SOUTHERN NEW ENGLAND...PART 1 OF 2

...THE CONNECTICUT RIVER IS CRESTING IN HARTFORD...CONNECTICUT

FLOOD WARNINGS REMAIN IN EFFECT FOR THE HOUSATONIC AND CONNECTICUT RIVERS IN MASSACHUSETTS AND CONNECTICUT...THE FARMINGTON RIVER IN CONNECTICUT...THE MERRIMACK...NASHUA...ASSABET...AND CHICOPEE RIVERS IN MASSACHUSETTS...AND THE BLACKSTONE RIVER IN RHODE ISLAND.

THE CONNECTICUT RIVER IS NOW AT CREST IN THE HARTFORD...CT AREA...OVER 14 FT ABOVE ITS FLOOD STAGE. THE RIVER WILL CREST IN THE MIDDLETOWN...CT AREA ON SATURDAY 14 FT ABOVE ITS FLOOD STAGE. THESE LEVELS SURPASS THOSE SET DURING THE 1955 FLOODS...AND ARE THE HIGHEST SINCE 1938. RIVER STAGES WOULD HAVE BEEN MUCH HIGHER WITHOUT THE EXISTENCE OF THE NETWORK OF FLOOD CONTROL DAMS BUILT BY THE ARMY CORPS OF ENGINEERS.

THE HOUSATONIC AND FARMINGTON RIVERS HAVE CRESTED IN MASSACHUSETTS AND CONNECTICUT...BUT REMAIN AT VERY HIGH LEVELS. FLOODING CAN BE EXPECTED IN THESE RIVERS THROUGH THE WEEKEND.

SEVERE FLOODING CONTINUES ALONG THE MERRIMACK...NASHUA...AND ASSABET RIVERS IN EASTERN MA...THE CHICOPEE RIVER IN WESTERN MA...AND THE BLACKSTONE RIVER IN RHODE ISLAND.

UNPROTECTED AREAS OF THE CONNECTICUT AND HOUSATONIC RIVER CONTINUE TO SUFFER SEVERE FLOOD DAMAGES. THE NATIONAL GUARD HAS BEEN CALLED OUT IN NEW MILFORD...CT ALONG THE HOUSATONIC RIVER AND NEAR CROMWELL...CT ALONG THE CONNECTICUT RIVER. MANY ROADS AND HIGHWAYS HAVE BEEN CLOSED...INCLUDING PORTIONS OF ROUTE 9 AND ROUTE 66 IN MIDDLETOWN. MANY HOMES AND BUSINESSES HAVE BEEN FLOODED...AND EVACUATIONS HAVE TAKEN PLACE. AGRICULTURAL DAMAGES...PARTICULARLY IN THE CONNECTICUT RIVER VALLEY...ARE EXTENSIVE.

IF FLOODING OCCURS IN YOUR COMMUNITY...IT IS WISE TO FOLLOW A FEW SIMPLE RULES...

1. DO NOT GO NEAR RISING RIVERS UNLESS YOU MUST. YOU MAY INTERFERE WITH FLOOD FIGHTING EFFORTS...AND YOU MAY BE INJURED.

2. DO NOT USE THE RIVERS FOR RECREATIONAL PURPOSES...NOR SHOULD YOU ALLOW YOUR CHILDREN TO PLAY NEAR FLOODED RIVERS AND STREAMS.

3. DO NOT TRY TO DRIVE ALONG FLOODED ROADS AND BRIDGES. THEY MAY HAVE BEEN WASHED OUT.

4. OBEY THE INSTRUCTIONS OF YOUR LOCAL POLICE AND CIVIL DEFENSE AUTHORITIES.

ANOTHER MESSAGE WILL FOLLOW WITH SPECIFIC STAGE FORECASTS.

6/01-12

000FLSHFD

MOUSE KHFD 020300

FLOOD STATEMENT

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT

10:46 PM EDT JUN 01 1984 *Fi*

FLOOD STATEMENT...PART 2 OF 2

THE FOLLOWING ARE ARE MORE SPECIFIC FORECASTS.....

MASSACHUSETTS RIVER

GREAT BARRINGTON FLOOD STAGE IS 9 FEET. 7PM STAGE WAS 9.7 FT
FALL TO NEAR 9 FT SATURDAY MORNING

GAYLODSVILLE FLOOD STAGE IS 8 FEET. 7PM STAGE WAS 14.4 FT
FALL TO NEAR 14 FT BY SATURDAY MORNING.

STEVENSON FLOOD STAGE IS 12 FEET. 7PM STAGE WAS 18.4 FT
FALL TO NEAR 17 1/2 FT BY SATURDAY MORNING.

CONNECTICUT RIVER

MONTAGUE CITY FLOOD STAGE IS 28 FEET. 7PM STAGE WAS 35.1 FT
FALL TO NEAR 33 1/2 FT BY SATURDAY MORNING.

NORTHAMPTON FLOOD STAGE IS 112 FEET. 7PM STAGE WAS MISSING
FALL TO NEAR 116 FT BY SATURDAY MORNING.

HOLYOKE FLOOD STAGE IS 9 FEET. 7PM STAGE WAS MISSING
FALL TO BETWEEN 9 1/2 AND 10 FT BY SATURDAY MORNING.

SPRINGFIELD FLOOD STAGE IS 28 FEET. 5PM STAGE WAS 21.9 FT
FALL TO NEAR 20 1/2 FT BY SATURDAY MORNING.

THOMPSONVILLE 7PM STAGE WAS 9.6 FT
FALL TO NEAR 9 FT BY SATURDAY MORNING.

HARTFORD FLOOD STAGE IS 16 FEET. 10PM STAGE WAS 31.1 FT.
NOW AT CREST. LITTLE CHANGE OVERNIGHT.

MIDDLETOWN FLOOD STAGE IS 8 FEET. 10PM STAGE WAS 21.0 FT
CREST NEAR 21 1/2 FT SATURDAY MORNING.

VERMONT RIVER

SIMSBURY FLOOD STAGE IS 12 FEET. 7PM STAGE WAS 15.3 FT
FALL TO NEAR 14 FT BY SATURDAY MORNING.

BLACKSTONE RIVER

WOONSOCKET FLOOD STAGE IS 9 FEET. 7PM STAGE WAS MISSING
FALL TO NEAR 9 FT BY SATURDAY MORNING.

SHETUCKET RIVER

WILLIMANTIC FLOOD STAGE IS 13 FEET. 5PM STAGE WAS 9.7 FT
FALL TO NEAR 8 1/2 FT BY SATURDAY MORNING.

CHARLES RIVER

DOVER FLOOD STAGE IS 4 FEET. 7PM STAGE WAS 4.9 FT
MINOR FLOODING NEXT FEW DAYS.

SABET RIVER

MAYNARD FLOOD STAGE IS 5 FEET. 5PM STAGE WAS 5.7 FT
FALL TO NEAR 5 1/2 FT BY SATURDAY MORNING.

MERRIMACK RIVER

LOWELL FLOOD STAGE IS 52 FEET. 6PM STAGE WAS 53.4 FT
NOW NEAR CREST. FALL TO NEAR 53 FT BY SATURDAY MORNING.

LAURENCE FLOOD STAGE IS 28 FEET. 7PM STAGE WAS MISSING
NOW NEAR CREST. FALL TO NEAR 23 1/2 FT BY SATURDAY MORNING.

HAVERHILL FLOOD STAGE IS 15 FEET. 7PM STAGE WAS MISSING.
APPROACHING CREST. LITTLE CHANGE OVERNIGHT.

6/84-13

SFLSHFD
JS00 KHFD 021800

1000 STATEMENT

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT
12:48 PM EDT JUN 02 1984

FIRST OF TWO PARTS

FLOOD WARNINGS CONTINUE IN SOUTHERN NEW ENGLAND

INFALL AMOUNTS OF 1/4 TO 1 1/2 INCHES HAVE FALLEN DURING THE LAST
HOURS IN SOUTHERN NEW ENGLAND. THIS RAIN HAS CAUSED SOME OF THE
ALL RIVERS AND STREAMS IN SOUTHERN NEW ENGLAND TO RISE. HOWEVER,
THE CONNECTICUT RIVER WHICH CRESTED LATE LAST NIGHT IN HARTFORD AND
AT CREST IN MIDDLETOWN WILL ONLY EXPERIENCE A SLOWER RECESSION AS
CONSEQUENCE OF THIS RAIN. THE HOUSATONIC RIVER WHICH HAS ALSO
BEEN RECEDING OVER THE LAST 24 HOURS WILL RECEDE AT A SLOWER RATE
AND WILL EXPERIENCE MINOR FLUCTUATIONS OVER THE NEXT 24 HOURS.

FLOOD WARNINGS ARE NOW ISSUED FOR THE YANTIC RIVER IN EASTERN
CONNECTICUT, THE BLACKSTONE RIVER IN MASSACHUSETTS AND RHODE
ISLAND, AND PAWTUCKET RIVER IN RHODE ISLAND.

FLOOD WARNINGS REMAIN IN EFFECT FOR THE FOLLOWING RIVERS:

CONNECTICUT THE FARMINGTON RIVER AT SIMSPURY
 THE HOUSATONIC RIVER AT GAYLORDSVILLE AND
 STEVENSON
 THE CONNECTICUT RIVER FOR THE ENTIRE LENGTH

MASSACHUSETTS THE CONNECTICUT RIVER FOR THE ENTIRE LENGTH
 THE CHARLES RIVER AT DOVER
 THE MERRIMACK RIVER FOR THE ENTIRE LENGTH
 THE ASSABET AND NASHUA RIVERS IN N.E. MASS.
 THE NEPONSET RIVER IN EASTERN MASS.
 THE CHICOPEE RIVER IN CENTRAL MASS.

THE CONNECTICUT RIVER CRESTED AT 31.1 FEET LATE FRIDAY NIGHT AT HARTFORD,
WHICH IS THE THIRD HIGHEST OF RECORD. A CREST AT MIDDLETOWN IS OCCURRING
AT NOON TODAY OF JUST UNDER 21.5 FEET - ALSO THE THIRD HIGHEST OF RECORD.

RHODE ISLAND THE PAWTUCKET RIVER IS EXPERIENCING MINOR FLOODING AS OF
LATE MORNING. THE RIVER WILL RISE ANOTHER SEVERAL FEET THIS AFTERNOON AND
EARLY TONIGHT.

THE RAIN AND SHOWER ACTIVITY FORECAST FOR THE NEXT SEVERAL HOURS IS EXPECTED
TO HAVE THE MOST EFFECT ON THE SMALLER STREAMS AND BROOKS. THE LARGER THE
WATERSHED THE LESS THE EFFECT WILL BE. BECAUSE OF THE RECORD FLOWS IN
THE CONNECTICUT, THE RAIN THAT FALLS IN THE NEXT SEVERAL HOURS SHOULD HAVE
LITTLE OR NO EFFECT ON THE RIVER. SLOWLY FALLING STAGES ARE EXPECTED TO
FOLLOW THE CREST.

SPECIFIC FORECASTS WILL BE ISSUED IN PART 2.

6/84-14

JSFLSHFD

0000 KHFD 021900 COR

FLOOD STATEMENT CORRECTED

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT

01:00 PM EDT JUN 02 1984 Sat

SECOND OF TWO MESSAGES ...CORRECTED FOR SPRINGFIELD.....

THE FOLLOWING ARE MORE SPECIFIC FORECASTS.....

CONNECTICUT RIVER

MONTAGJE CITY..MA FLOOD STAGE IS 28 FEET. 7AM STAGE WAS 32.0 FT
VERY SLOW FALL TO NEAR 32 1/2 FT BY SUNDAY MORNING.

NORTHAMPTON..MA FLOOD STAGE IS 112 FEET. 7AM STAGE WAS MISSING.
VERY SLOW FALL TO NEAR 115 FEET SUNDAY MORNING.

HOLYOKE..MA FLOOD STAGE IS 9 FEET. 7AM STAGE WAS 10.7 FT
VERY SLOW FALL TO NEAR 10 AND 10 1/2 FEET BY SUNDAY MORNING.

SPRINGFIELD..MA FLOOD STAGE IS 20 FEET. 1PM STAGE WAS 20.1 FT
VERY SLOW FALL TO BETWEEN 19 1/2 AND 20 FEET BY SUNDAY MORNING.

THOMPSONVILLE..CT 7AM STAGE WAS 8.9 FT
VERY SLOW FALL TO NEAR 8 FT BY SUNDAY MORNING.

HARTFORD..CT FLOOD STAGE IS 16 FEET. 7AM STAGE WAS 30.4 FT
CRESTED 10PM JUNE 1 AT 31.1 FT. VERY SLOW FALL TO NEAR 30 FEET
BY SUNDAY MORNING.

[MIDDLETOWN..CT FLOOD STAGE IS 8 FEET. ^{Crest} 7AM STAGE WAS 21.3 FT
NOW NEAR CREST...REMAIN STEADY THROUGH MUCH OF THE DAY...
BEGIN VERY SLOW FALL TONIGHT.

MERRIMACK RIVER

LOWELL..MA FLOOD STAGE IS 52 FEET. 7AM STAGE WAS 53.3 FT
BEGIN TO RISE AGAIN TO BETWEEN 53 1/2 AND 54 FEET BY SUNDAY MORNING.

LAWRENCE..MA FLOOD STAGE IS 20 FEET. 7AM STAGE WAS MISSING
BEGIN TO RISE AGAIN TO 22 TO 23 FEET BY SUNDAY MORNING.

HAVERHILL..MA FLOOD STAGE IS 15 FEET. 7AM STAGE WAS MISSING
BEGIN TO RISE AGAIN TO NEAR 16 FEET BY SUNDAY MORNING.

CONCORD RIVER

LOWELL MA 7AM STAGE WAS MISSING.
RISE SLIGHTLY OVER BANKFULL BY SUNDAY MORNING.

ASHUA RIVER

EAST PEPPERELL..MA FLOOD STAGE IS 8 FEET. 7AM STAGE WAS 11.5 FEET
RISE TO BETWEEN 12 FEET AND 12 1/2 FEET BY SUNDAY MORNING.

WICOPPEE RIVER

INDIAN ORCHARD..MA FLOOD STAGE IS 12 FEET. 7AM STAGE WAS 12.13 FT
REMAIN NEAR 12 FEET THROUGH SUNDAY MORNING.

ARMINGTON RIVER

SIMSBURY..CT FLOOD STAGE IS 12 FEET. 7AM STAGE WAS 14.4 FT
REMAIN BETWEEN 14 AND 14 1/2 FEET TIL SUNDAY MORNING.

THE NEXT MESSAGE WILL BE ISSUED SATURDAY EVENING.

ERFC/CH/BW/FJL/LJM

6/24-15

UNRECORDED
UNUSABLE KHF 838486

FLOOD STATEMENT

NATIONAL WEATHER SERVICE RIVER FORECAST CENTER, HARTFORD, CT
11:37 PM EDT JUN 02 1984

SECOND OF TWO MESSAGES ...

THE FOLLOWING ARE MORE SPECIFIC FORECASTS.....

MASSACHUSETTS RIVER

GR. BARRINGTON..MA FLOOD STAGE IS 9 FEET. 7PM STAGE WAS 8.3 FT
FALL TO BETWEEN 7 1/2 AND 8 FT SUNDAY MORNING.

DAYTONSVILLE..CT FLOOD STAGE IS 8 FEET. 7PM STAGE WAS 12.9 FT
FALL TO NEAR 12 1/2 FT SUNDAY MORNING.

STEVENSON..CT FLOOD STAGE IS 12 FEET. 7PM STAGE WAS 15.5 FT
FALL TO NEAR 15 FT SUNDAY MORNING.

CONNECTICUT RIVER

MONTAGUE CITY..MA FLOOD STAGE IS 28 FEET. 7PM STAGE WAS 31.5 FT
VERY SLOW FALL TO NEAR 31 FT BY SUNDAY MORNING.

NORTHAMPTON..MA FLOOD STAGE IS 112 FEET. 7PM STAGE WAS MISSING.
VERY SLOW FALL TO NEAR 114 1/2 FEET SUNDAY MORNING.

HOLYOKE..MA FLOOD STAGE IS 9 FEET. 7PM STAGE WAS MSG
VERY SLOW FALL TO NEAR 9 FEET BY SUNDAY MORNING.

SPRINGFIELD..MA FLOOD STAGE IS 28 FEET. 7PM STAGE WAS 19.8 FT
VERY SLOW FALL TO NEAR 19 FEET BY SUNDAY MORNING.

THOMPSONVILLE..CT 7PM STAGE WAS 8.1 FT
VERY SLOW FALL TO NEAR 7 1/2 FT BY SUNDAY MORNING.

HARTFORD..CT FLOOD STAGE IS 16 FEET. 7PM STAGE WAS 38.4 FT
CRESTED 18PM JUNE 1 AT 31.1 FT. VERY SLOW FALL TO NEAR 29 1/2
FEET BY SUNDAY MORNING.

MIDDLETOWN..CT FLOOD STAGE IS 8 FEET. 7PM STAGE WAS 21.1 FT
CRESTED TODAY AT 21.3 FEET. VERY SLOW FALL TO NEAR 20 1/2
FEET BY SUNDAY MORNING.

MERRIMACK RIVER

LOWELL..MA FLOOD STAGE IS 52 FEET. 7PM STAGE WAS 52.5 FT
LITTLE CHANGE IN RIVER LEVELS TONITE.

LAWRENCE..MA FLOOD STAGE IS 28 FEET. 7PM STAGE WAS MISSING
LITTLE CHANGE IN RIVER LEVELS TONITE.

HAVERHILL..MA FLOOD STAGE IS 15 FEET. 7PM STAGE WAS MISSING
LITTLE CHANGE IN RIVER LEVELS TONITE.

CONCORD RIVER

LOWELL MA 7PM STAGE WAS MISSING.
RISE SLIGHTLY OVER BANKFULL BY SUNDAY MORNING.

MASSACHUSETTS RIVER

EAST PEPPERELL..MA FLOOD STAGE IS 8 FEET. 7PM STAGE WAS 11.7 FEET
LITTLE CHANGE IN RIVER LEVELS TONITE.

CHICOPEE RIVER

INDIAN ORCHARD..MA FLOOD STAGE IS 12 FEET. 7PM STAGE WAS 12.2 FT
LITTLE CHANGE IN RIVER LEVELS TONITE.

FARMINGTON RIVER

SIMSBURY..CT FLOOD STAGE IS 12 FEET. 7AM STAGE WAS 13.8 FT
LITTLE CHANGE IN RIVER LEVELS TONITE.

6/84-16

Appendix B

Northeast Utilities Evaluation
for Stage-Discharge Relation
at the Connecticut Yankee Site



CONNECTICUT YANKEE ATOMIC POWER COMPANY

TELEPHONE
203-665-5000

BERLIN, CONNECTICUT
P.O. BOX 270 HARTFORD, CONNECTICUT 06141-0270

July 1, 1985

Docket No. 50-213
B11599

Director of Nuclear Reactor Regulation
Attn: Mr. John A. Zwolinski, Chief
Operating Reactors Branch #5
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Gentlemen:

Haddam Neck Plant
SEP Topic II-3.B, Flooding Potential and Protection Requirements

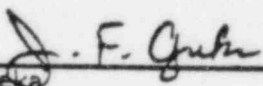
On May 30, 1985, the Staff requested that Connecticut Yankee Atomic Power Company (CYAPCO) provide a rating curve of river elevation vs. flow for the United States Geological Survey (USGS) gage on the Connecticut River at Bodkin Rock. On June 5, 1985 we advised the Staff that this information had been requested from the USGS and would be forwarded to the Staff upon receipt.

Attached is a copy of the information received from the USGS. Note that USGS has indicated that the stage elevation is affected by the tidal effects up to elevation 8.0 feet Mean Sea Level (MSL).

We trust the Staff will find this information satisfactory. If you have additional questions, please contact us.

Very truly yours,

CONNECTICUT YANKEE ATOMIC POWER COMPANY



J. F. Opeka
Senior Vice President

cc: Mr. Don Chery, USNRC

Docket No. 50-213

Attachment

SEP Topic II-3.B, Flooding Potential
and Protection Requirements

Connecticut River Rating Table for Bodkin Rock

June, 1985

Rating table for TYPE OF T 8.0 FT MS.L.
Connecticut River near Middletown, Conn.

(Datum is mean sea level)

This table is applicable for open-channel conditions. It is based on 15 discharge measurements made during 1947-50, and on stages and computed discharges for flood peaks of 1927, 1936 and 1938 ^{and 1947} and fairly well defined to maximum probable peak discharge of 60,000 cfs and 130,000 cfs. Comp. 1, 11, 13, this

Sheet 1 of 2 sheets

Ckd by date

Taido No. 17, 1949

(Rev. 4-27-56)

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY (WATER RESOURCES DIVISION)

Washington 1/17/30
Field

Rolling table for Connecticut River near Middletown, Conn. (Datum is mean sea level)

14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		31		32		33		34		35		36		37		38		39		40		41		42		43		44		45		46		47		48		49		50		51		52		53		54		55		56		57		58		59		60		61		62		63		64		65		66		67		68		69		70		71		72		73		74		75		76		77		78		79		80		81		82		83		84		85		86		87		88		89		90		91		92		93		94		95		96		97		98		99		100		101		102		103		104		105		106		107		108		109		110		111		112		113		114		115		116		117		118		119		120		121		122		123		124		125		126		127		128		129		130		131		132		133		134		135		136		137		138		139		140		141		142		143		144		145		146		147		148		149		150		151		152		153		154		155		156		157		158		159		160		161		162		163		164		165		166		167		168		169		170		171		172		173		174		175		176		177		178		179		180		181		182		183		184		185		186		187		188		189		190		191		192		193		194		195		196		197		198		199		200		201		202		203		204		205		206		207		208		209		210		211		212		213		214		215		216		217		218		219		220		221		222		223		224		225		226		227		228		229		230		231		232		233		234		235		236		237		238		239		240		241		242		243		244		245		246		247		248		249		250		251		252		253		254		255		256		257		258		259		260		261		262		263		264		265		266		267		268		269		270		271		272		273		274		275		276		277		278		279		280		281		282		283		284		285		286		287		288		289		290		291		292		293		294		295		296		297		298		299		300		301		302		303		304		305		306		307		308		309		310		311		312		313		314		315		316		317		318		319		320		321		322		323		324		325		326		327		328		329		330		331		332		333		334		335		336		337		338		339		340		341		342		343		344		345		346		347		348		349		350		351		352		353		354		355		356		357		358		359		360		361		362		363		364		365		366		367		368		369		370		371		372		373		374		375		376		377		378		379		380		381		382		383		384		385		386		387		388		389		390		391		392		393		394		395		396		397		398		399		400		401		402		403		404		405		406		407		408		409		410		411		412		413		414		415		416		417		418		419		420		421		422		423		424		425		426		427		428		429		430		431		432		433		434		435		436		437		438		439		440		441		442		443		444		445		446		447		448		449		450		451		452		453		454		455		456		457		458		459		460		461		462		463		464		465		466		467		468		469		470		471		472		473		474		475		476		477		478		479		480		481		482		483		484		485		486		487		488		489		490		491		492		493		494		495		496		497		498		499		500	
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EVALUATION OF CONNECTICUT RIVER FLOOD DATA
TO ESTABLISH AN ESTIMATED STAGE-DISCHARGE CURVE
FOR THE CONNECTICUT RIVER
AT THE CONNECTICUT YANKEE SITE

BACKGROUND

The Connecticut Yankee (Haddam Neck) Nuclear Power Plant is located in the town of Haddam Neck, Connecticut, along side the east bank of the Connecticut River, approximately 19.5 miles up river from its confluence with Long Island Sound.

The power plant presently adheres to a set of procedures for actions that must be taken upon receiving flood warning from CONVEX, the U.S. Geological Survey (USGS) River Forecasting Center, or upon observation of river level approaching site grade level (21.0 feet mean sea level).

PURPOSE

The purpose of the evaluation is to establish both an estimated stage-discharge curve for the Connecticut River at Connecticut Yankee (CY) and an estimated relationship between flow and travel time from upstream points to CY.

DISCUSSION OF RESULTS

Evaluation of the historical (Reference 1) and theoretical flood data (Reference 2) for the Connecticut River between Thompsonville and Connecticut Yankee plant has resulted in the following exhibits.

1. Exhibit 1: Comparison of peak flows for the Connecticut River (based on historical flood data).
2. Exhibit 2: Approximate time of travel from various gaging stations to CY.
3. Exhibit 3: Estimated stage-discharge curve for Connecticut River at CY (based on historical flood data).

Review of the historical flood data (Reference 1) indicates that there is a large flood plain effect (significant river channel storage) at the Hartford and Middletown locations. Consequently, the time of travel of peak river flows from Hartford to CY increases significantly for flows between 150,000 and 275,000 cfs representing the range when the flood plain effect is the greatest.

Using the information from Exhibits 1 and 2 (based on USGS historical flood data) and Reference 3, the estimated stage-discharge curve for the Connecticut River at CY was prepared (Exhibit 3). It is important to note, however, that the data used in these evaluations to prepare the curve is not conclusive since, according to USGS, storm pattern and intensity variations can have a significant effect on the results.

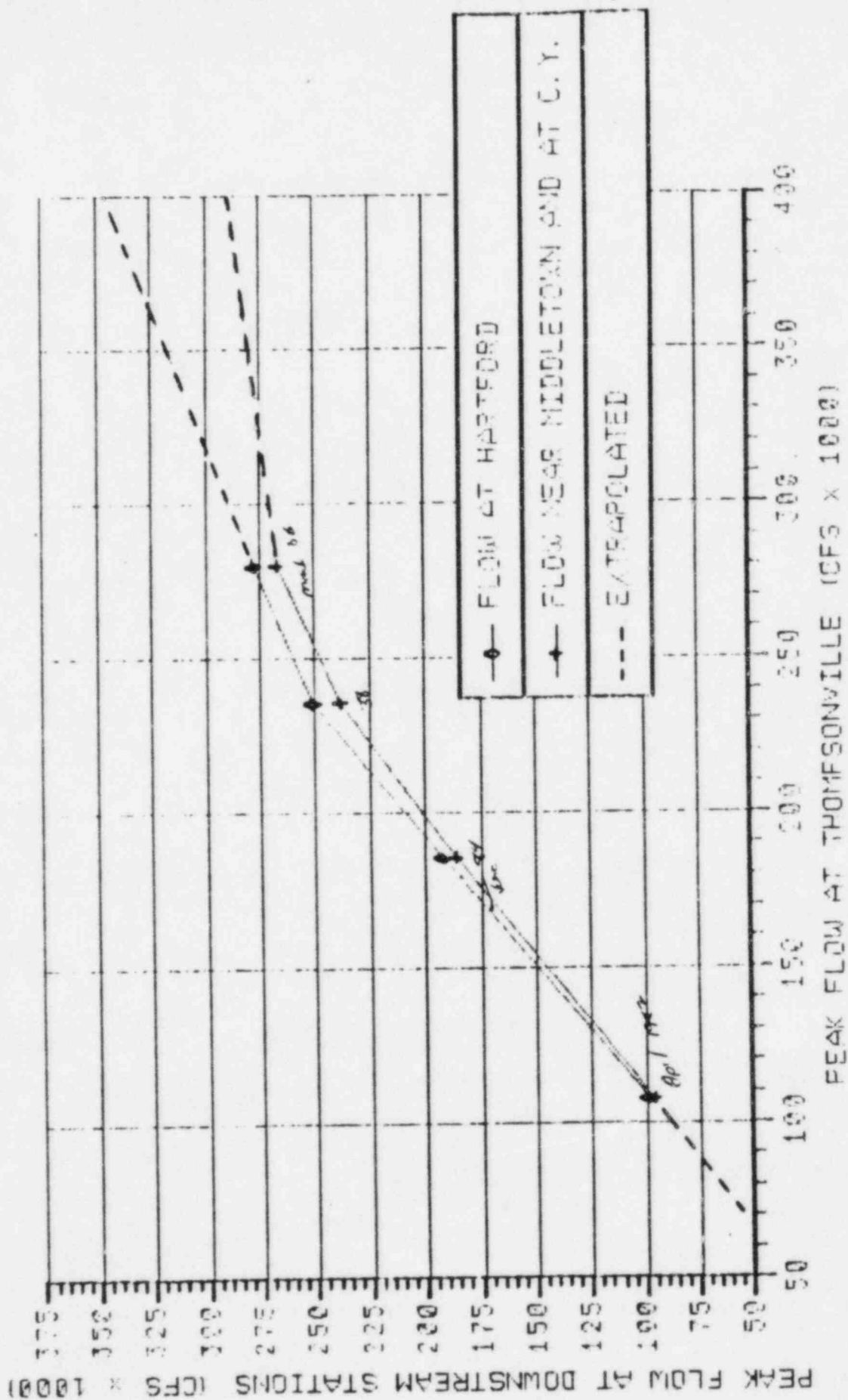
REFERENCES

1. United States Geological Survey Flood Data for the March 1936, September 1938, April 1982 and May-June 1984 storms.
2. Technical Evaluation Report--Quabbin Dam Failure Flooding Consequences at Haddam Neck Plant, prepared by Franklin Research Center, August 25, 1983.
3. Hydrograph of Connecticut River at Connecticut Yankee (May-June 1984 flood).

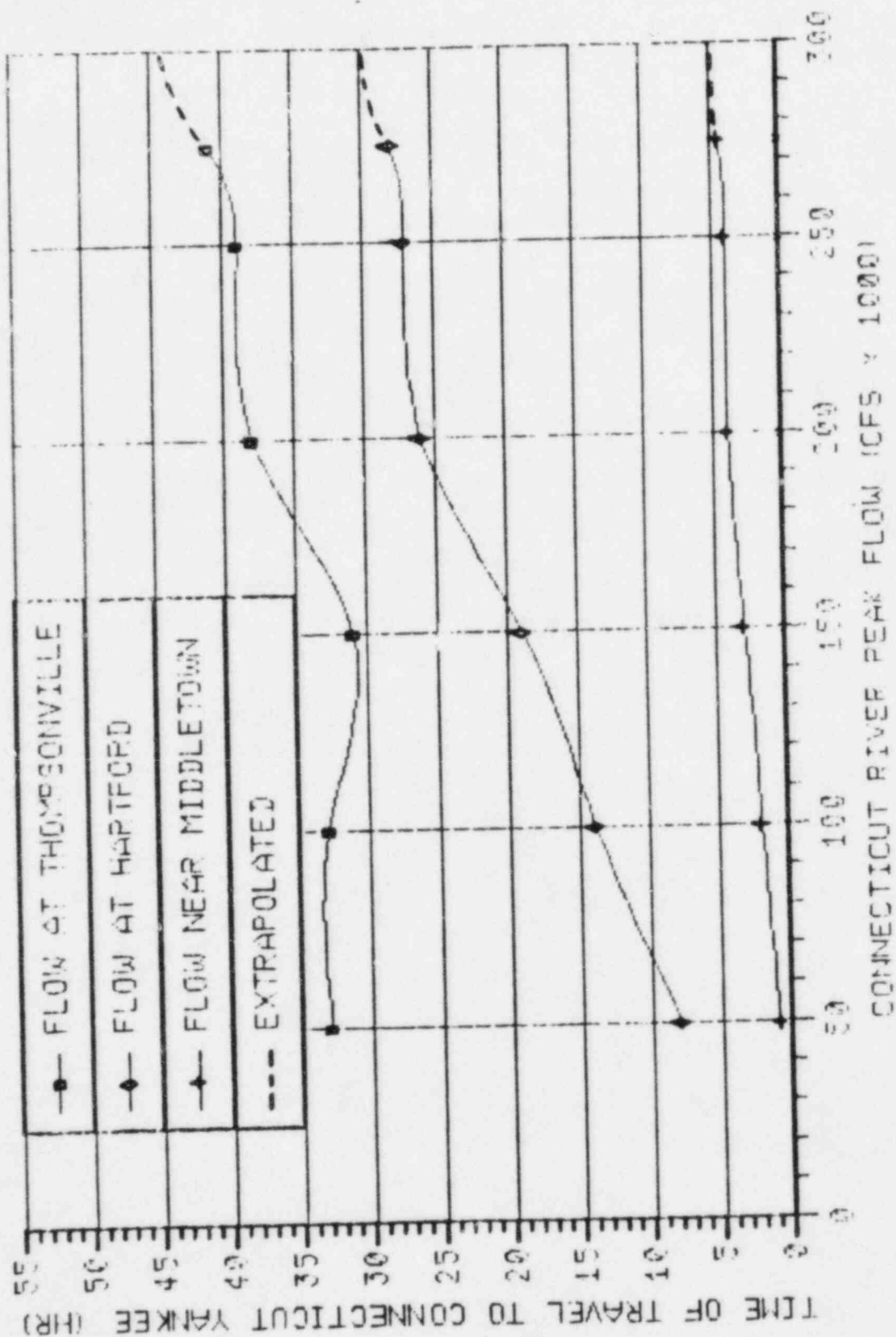
GENERATION CIVIL ENGINEERING
NORTHEAST UTILITIES SERVICE COMPANY

December 1984

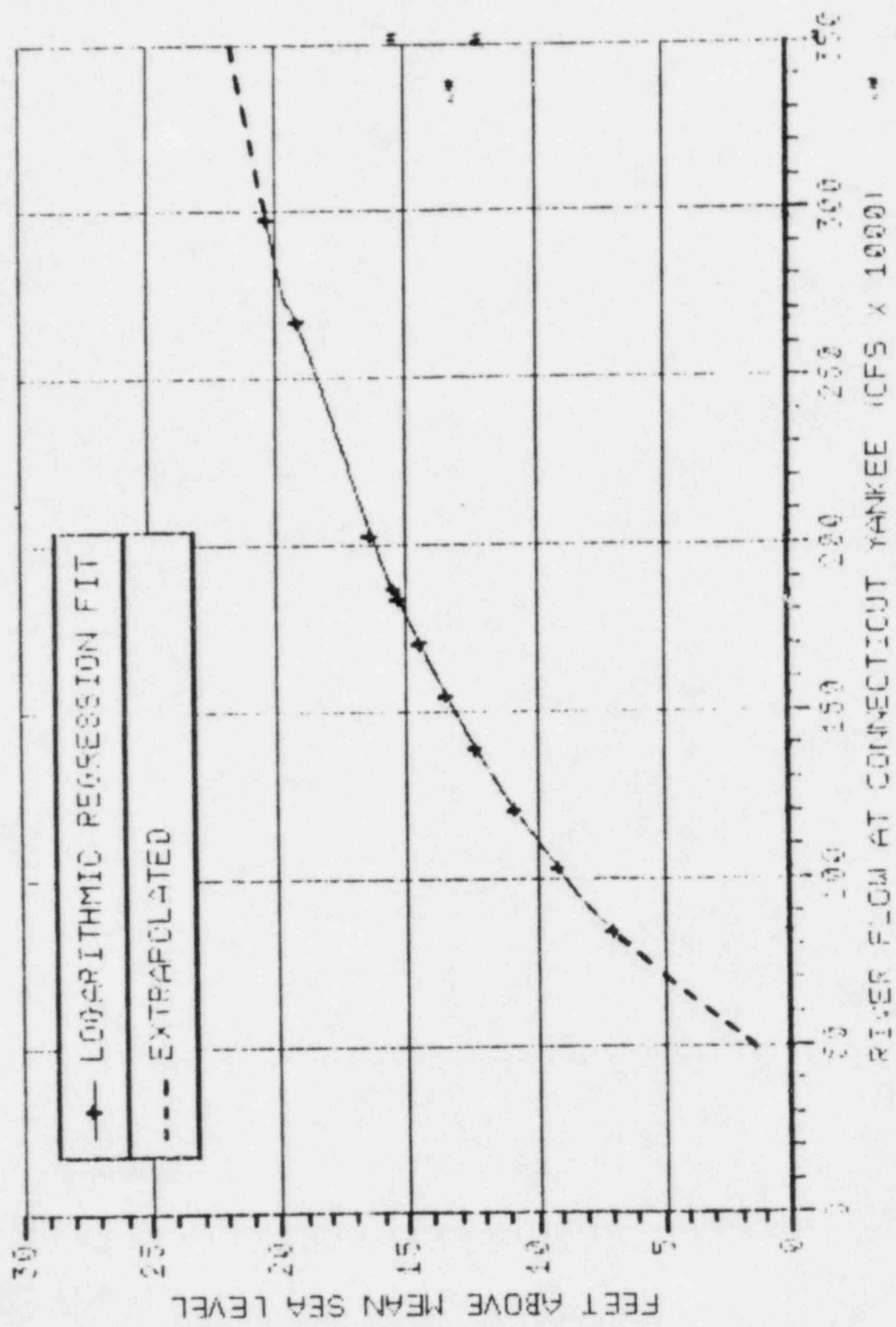
COMPARISON OF PEAK FLOWS FOR THE CONNECTICUT RIVER BASED ON HISTORICAL FLOOD DATA



APPROXIMATE TIME OF TRAVEL
FROM VARIOUS GAGING STATIONS
TO CONNECTICUT YANKEE



ESTIMATED STAGE-DISCHARGE CURVE
FOR CONNECTICUT RIVER AT C. V. SITE
BASED ON HISTORICAL FLOOD DATA



APPENDIX C
CONVEX MEMORANDA

CONVEX

CONNECTICUT VALLEY ELECTRIC EXCHANGE

P.O. BOX 248

SOUTHINGTON, CONNECTICUT 06489

June 24, 1982

To: System Operations Supervisors and
System Switching Supervisors

From: C. W. Deegan *CWD*

Subject: Dissemination of Weather Bulletin Information

This memo supersedes A. Pedersen's memo of 11/16/72 on the subject information.

Weather Bulletin information received at CONVEX will be passed on as soon as practical, if it contains any of the following items:

1. Lightning Storms.
2. Sustained high winds - 30 m.p.h. or more.
3. Sleet or freezing rain.
4. Heavy rain - 2" or more.
5. Heavy snow - 6" or more.
6. Higher than normal tides.

When in doubt - pass it on.

The following should be notified:

1. NEPEX Pool Coordinator
2. One of the following:

C. W. Deegan	Ext. 222	Meriden	237-8532
A. Pedersen	Ext. 224	Farmington	673-5142
E. M. Vipler	Ext. 238	West Hartford	233-7815

CONVEX

CONNECTICUT VALLEY ELECTRIC EXCHANGE

P.O. BOX 248

SOUTHINGTON, CONNECTICUT 06489

July 20, 1983

To: System Operations Supervisors and
System Switching Supervisors

From: C. W. Deegan *CW*

Subject: Dissemination of National Weather Service Hurricane Advisories

This memo supersedes C. W. Deegan's memo of 9-12-77 on the subject information.

Whenever a National Weather Service Hurricane Advisory is received at CONVEX that indicates a hurricane or severe tropical storm is located above Latitude 30°N and West of Longitude 70°W, the System Operations Supervisor will notify ~~R. F. Webler~~ during normal working hours or the Brush Hill Customer Service Center after normal working hours.

R. C. Zaklukiewicz

At any time that the storm goes above Latitude 35°N and West of Longitude 70°W, the System Operations Supervisor will relay the latest information to the appropriate persons in accordance with Section I of the Notification Book.

In addition to the above, when the storm has gone above Latitude 35°N and West of Longitude 70°W, the System Operations Supervisor will relay the latest information to the following:

1. Millstone Station I Operator
2. Millstone Station II Operator
3. Conn. Yankee Operator

Note: Millstone Operator and/or Conn. Yankee Operator will be calling for the latest update every two hours.

4. NUSCO Production Dept. Hurricane Task Force.

Note: When a hurricane poses an imminent danger to Connecticut, the NUSCO Production Department will activate a Hurricane Task Force which will man a location in Berlin around the clock. The System Operations Supervisor will be notified when staffing takes place. Call W. D. Reichelt Berlin Ext. 5849 to contact the Hurricane Task Force.

DWL:cac

cc: R. F. Webler
R. A. Reckert
J. F. Opeka

3. a. During office hours - ~~R.F. Webler~~ RC.ZAKLUKIEWICZ
b. Outside office hours - Brush Hill Customer Service Center

4. The following Generating Station Operators:

Millstone 15G
Northfield Mt. 16R
Cobble Mt. 18F
Devon 7R
Norwalk Harbor 6J
Montville 4J
Rocky River 12Y
W. Springfield 8C
Conn. Yankee 12R
Middletown 5A
Mt. Tom 22C

5. The following receive weather information similar to ours and it should normally only be necessary to verify that they have received the information.

H.W.P. Co. Riverside Operator
H.G.&E Operator
U.I. Co. Distribution Dispatcher - Skiff St.
Central Region Dispatch - Sheldon St.
Eastern Region Dispatch - Madison
Northern Region Dispatch - Tolland
Southern Region Dispatch - Stamford
Western Region Dispatch - Waterbury
Western Mass. Region Dispatch - Brush Hill

DWL:cac

cc: R.F. Webler