

Table 17 - HDT.RP: Stage at Three Stations for July 25-Aug 15, 1859

Day		Elapsed Time			River Stage				Comment
of week	July date	Hours Total	Hours of Day	Days decimal	BoatPlace		Hemlocks	Hunts Br.	
					X +/- ft	SL +/- ft	X' +/- ft	X'' +/- ft	
Mon	<b>25</b>	0	6	0.00	0.292	0.229			Assume start at 6 AM (rmt)
Sun	<b>31</b>	144.00	6	6.00	0.000	-0.063			
Mon	<b>1</b>	168.00	6	7.00	-0.063	-0.125			
	1	179.00	17	7.46	0.063	0.000			
Tue	<b>2</b>	192.00	6	8.00	-0.021	-0.083			
	2	200.50	14.5	8.35	0.042	-0.021			
Wed	<b>3</b>	216.00	6	9.00	-0.042	-0.104			
	3	224.00	14	9.33	0.011	-0.052			very slight shower in PM
	3	230.00	20	9.58	0.000	-0.063			
Thu	<b>4</b>	240.00	6	10.00	-0.005	-0.068			
	4	248.00	14	10.33	0.052	-0.010			
	4	254.00	20	10.58	0.005	-0.057			
Fri	<b>5</b>	266.00	8	11.08	-0.042	-0.104			rain since 5 or 6
	5	272.00	14	11.33	0.083	0.021			rising
Sat	<b>6</b>	291.00	9	12.13	0.005	-0.057			
	6	299.00	17	12.46	0.083	0.021			
Sun	<b>7</b>	312.00	6	13.00	0.000	-0.063			
	7	320.00	14	13.33	0.000	-0.063			
	7	324.00	18	13.50	-0.026	-0.089			
Mon	<b>8</b>	337.00	7	14.04	-0.083	-0.146			
	8	344.00	14	14.33	0.000	-0.063			
	8	347.00	17	14.46	0.016	-0.047			
	8	348.00	18.00	14.50					
Tue	<b>9</b>	360.00	6	15.00	0.005	-0.057			
	9	368.00	14	15.33	0.089	0.026			
	9	369.00	15.00	15.38					
	9	371.00	17	15.46	0.099	0.036			
Wed	<b>10</b>	384.00	6	16.00	-0.028	-0.090			
	10	392.00	14	16.33	0.036	-0.026			
	10	396.00	18.00	16.50	0.052	-0.010			
Thu	<b>11</b>	408.00	6	17.00	-0.094	-0.156			
	11	411.30	9.3	17.14	-0.104	-0.167			
	11	411.75	9.75	17.16			-0.104		
	11	413.50	11.5	17.23					
	11	414.83	12.83	17.28			0.234		
	11	415.25	13.25	17.30	-0.031	-0.094			
	11	419.00	17.00	17.46	-0.010	-0.073			
	11	419.00	17.00	17.46			0.177		
Fri	<b>12</b>	433.00	7.00	18.04	0.120	0.057			
	12	440.00	14.00	18.33	-0.092	-0.154		-0.092	
	12	444.00	18.00	18.50	-0.073	-0.135		-0.052	
Sat	<b>13</b>	458.50	8.50	19.10	-0.151	-0.214			
	13	465.00	15.00	19.38	-0.021	-0.083		0.073	
Sun	<b>14</b>	480.75	6.75	20.03	-0.115	-0.177			
	14	481.00	7.00	20.04				-0.198	
	14	488.00	14.00	20.33	-0.156	-0.219		-0.208	
	14	491.00	17.00	20.46	-0.151	-0.214		-0.208	
Mon	<b>15</b>	504.00	6.00	21.00	-0.188	-0.250			
	15	516.00	18.00	21.50	-0.063	-0.125			

Notes:

1. Monitoring at least twice per day from August 1-15, 1859, with one daily measurement on July 25 and 31.
2. X, X', and X'' are three monitoring stations at the boat place (Sudbury), Hemlocks (Assabet), and Hunts Bridge (Concord), respectively.
3. Local Datum = X = top of stake at Boat place = 3/4 inch above Summer Level = SL
4. Valley datum = Summer Level = SL = 3/4 inch below X
5. Correlation: SL = "2 ft 8 inch below notch in willow at my boat, and 5 ft 6 1/2 inch below the wall at Hoar's steps"