Table 4a - HDT.RP: Rainfall vs. Stage of Sudbury River at Saddle Rock from May 24-October 14, 1859

Date			Rainfall			River Stage		
Month	Date	Elapsed	H.D.Thoreau	R. Heard	Measured	,-	Converted	
		days	Journal	Record	Feet	Inches	Inches	
							-	
May	24	0			2	9.00	33	
June	28	1			2	4.50	28.5	
	29	2			2	4.00	28	
	30	3			2	2.00	26	
	31	4		and a face	2	1.00	25	
	1	5		raining	2	0.00	24	
	2	6			2	11.50	35.5	
	3	7			2	11.50	35.5	
	4	8		raining	2	0.00	24	
	5	9			2	2.50	26.5	
	6	10			2	5.00	29	
	7	11			2	6.00	30	
	8	12			2	5.00	29	
	9	13			2	4.50	28.5	
	10	14			2	2.50	26.5	
	11	15			2	1.50	25.5	
	12	16			2	0.00	24	
	13	17			1	11.50	23.5	
	14	18			1	11.00	23	
	15	19			1	10.00	22	
	16	20			1	9.50	21.5	
	17	21	Rainespheavy rain raising the river in the night of the 17th		1	8.50	20.5	
	18	22	Rain again. Considerable rain yesterday, raising the streams at last, somewhat	rain	1	0.50	12.5	
	19	23			1	9.00	21	
	20	24			3	2.00	38	
	21	25			3	4.50	40.5	
	22	26	The sun coming out at intervals today after a long rainy & cloudy spell.		3	6.00	42	
	23	27	foggy (cape-cod day) with an easterly wind		3	5.50	41.5	
	24	28	Anotehr foggy amounting from time to		3	5.00	41	
	25	28	time to a fine rain& more even to a shower.		3	4.50	40.5	
	26	30			3	4.00	40.5	
	27	31			3	2.50	38.5	
	28	32			3	1.50	37.5	
	28		Vanchat					
		33	Very hot		3	0.00	36	
to be	30	34	Cooler with a northerly wind	rainy	2	9.00	33	
July	1	35			2	7.50	31.5	
	2	36			2	6.00	30	
	3	37			2	4.50	28.5	
	4	38			2	3.00	27	
	5	39			2	1.50	25.5	
	6	40			2	1.50	25.5	
	7	41			2	1.00	25	
	8	42			1	10.50	22.5	
	9	43			1	10.50	22.5	
	10	44	Today like yesterday is very hotwith a blue-haze		1	9.00	21	
	11	45	Another hot day with blue haze		1	6.50	18.5	
	12	46	Anoteher hot day96* at mid		1	6.00	18	
			afternoon.					
	13	47			1	5.00	17	
	14	48			1	5.00	17	
	15	49			1	4.50	16.5	
	16	50			1	4.50	16.5	
	17	51			1	3.50	15.5	
	18	52			1	2.50	14.5	
	19	53			1	3.50	15.5	
	20	54			1	3.00	15	
	21	55			1	2.50	14.5	
	22	56	A southwest wind rises		1	2.50	14.5	
	23	57			1	2.50	14.5	
	24	58			1	1.50	13.5	
	25	59			1	0.00	12	
					1	0.00	12	
	26	60				0.00	12	
	27	61			1			
					1	0.00	12	
	27	61	The river is very nearly down to summer [195] level nowDog days and fogs.				12	
	27 28	61 62			1	0.00		
	27 28 29	61 62 63	summer [195] level nowDog days and fogs. Dog-day weather		1	0.00	12	
August	27 28 29 30	61 62 63	summer [195] level nowDog days and fogs.		1 1 1	0.00 0.00 0.00 11.50	12	
August	27 28 29 30 31	61 62 63 64 65 66	summer [195] level nowDog days and fogs. Dog-day weather		1 1 1 0 0	0.00 0.00 0.00 11.50 10.50	12 12 11.5 10.5	
August	27 28 29 30 31 1	61 62 63 64 65	summer [195] level nowDog days and fogs. Dog-day weather		1 1 1 0	0.00 0.00 0.00 11.50	12 12 11.5	
August	27 28 29 30 31 1 2	61 62 63 64 65 66 67	summer [195] level nowDog days and fogs. Dog-day weather		1 1 1 0 0	0.00 0.00 0.00 11.50 10.50 10.50	12 11.5 10.5 10.5	
August	27 28 29 30 31 1 2	61 62 63 64 65 66 67 68	summer [195] level nowDog days and fogs.  Dog-day weather  Dog daysdense fog  Here are six days unaffected by rainat low water-& when the river is at a stand-stillAs this morning's rain will interfere with my observationsI sum	rain	1 1 0 0 0	0.00 0.00 0.00 11.50 10.50 10.50 10.00	12 11.5 10.5 10.5	
August	27 28 29 30 31 1 2 3 4	61 62 63 64 65 66 67 68 69	summer [195] level nowDog days and fogs Dog-day weather Dog daysdense fog  Here are six days unaffected by rainat low water& when the river is at a stand-stillAs this morning's rain will	rain	1 1 0 0 0 0 0	0.00 0.00 11.50 10.50 10.00 10.00 9.50	12 11.5 10.5 10.5 10 10	
August	27 28 29 30 31 1 2 3 4	61 62 63 64 65 66 67 68 69	summer [195] level nowDog days and fogs.  Dog-day weather  Dog daysdense fog  Here are six days unaffected by rainat low water-& when the river is at a stand-stillAs this morning's rain will interfere with my observationsI sum	rain	1 1 0 0 0 0 0	0.00 0.00 11.50 10.50 10.00 10.00 9.50	12 12 11.5 10.5 10.5 10 10 9.5	
August	27 28 29 30 31 1 2 3 4	61 62 63 64 65 66 67 68 69 70	summer [195] level nowDog days and fogs.  Dog-day weather  Dog daysdense fog  Here are six days unaffected by rainat low water-& when the river is at a stand-stillAs this morning's rain will interfere with my observationsI sum	rain	1 1 0 0 0 0 0 0	0.00  0.00  11.50  10.50  10.00  10.00  9.50	12 11.5 10.5 10.5 10 10 10 9.5	
August	27 28 29 30 31 1 2 3 4 5	61 62 63 64 65 66 67 68 69 70	summer [195] level nowDog days and fogs.  Dog-day weather  Dog daysdense fog  Here are six days unaffected by rainat low water-& when the river is at a stand-stillAs this morning's rain will interfere with my observationsI sum	rain	1 1 0 0 0 0 0 0	0.00 0.00 11.50 10.50 10.00 10.00 10.00 10.00 10.00 9.50	12 12 11.5 10.5 10.5 10 10 9.5	
August	27 28 29 30 31 1 2 3 4	61 62 63 64 65 66 67 68 69 70 71 72 73 74	summer [195] level nowDog days and fogs.  Dog-day weather  Dog daysdense fog  Here are six days unaffected by rainat low water-& when the river is at a stand-stillAs this morning's rain will interfere with my observationsI sum	rain	1 1 0 0 0 0 0 0	0.00  0.00  11.50  10.50  10.00  10.00  10.00  11.00  9.50	12 12 11.5 10.5 10.5 10 10 9.5 11 10.5 9.5 9.5	
August	27 28 29 30 31 1 2 3 4 5 6 7 8 9 10	61 62 63 64 65 66 67 68 69 70 71 72 73 74	summer [195] level nowDog days and fogs.  Dog-day weather  Dog daysdense fog  Here are six days unaffected by rainat low water-& when the river is at a stand-stillAs this morning's rain will interfere with my observationsI sum	rain	1 1 0 0 0 0 0 0 0	0.00  0.00  11.50  10.50  10.00  10.00  11.50  10.50  10.00  10.00  9.50  9.50	12 12 11.5 10.5 10.5 10 10 10 9.5 11 10.5 9.5 9.5 9.5	
August	27 28 29 30 31 1 2 3 4	61 62 63 64 65 66 67 68 69 70 71 72 73 74	summer [195] level nowDog days and fogs.  Dog-day weather  Dog daysdense fog  Here are six days unaffected by rainat low water-& when the river is at a stand-stillAs this morning's rain will interfere with my observationsI sum	rain	1 1 0 0 0 0 0 0	0.00  0.00  11.50  10.50  10.00  10.00  10.00  11.00  9.50	12 12 11.5 10.5 10.5 10 10 9.5 11 10.5 9.5 9.5	

1	14	79		rain	0	9.50	9.5
	15	80			0	8.50	8.5
	16	81			0	8.50	8.5
	17	82	Frost in the low ground this Am.		0	8.50	8.5
			Frost III tile low ground tills AIII.				
	18	83			0	8.50	8.5
	19	84			0	8.00	8
	20	85			0	7.50	7.5
	21	86			0	7.25	7.25
			6 Am water is X - 3 1/8 This is lower				
	22	87	than the river has been this year.		0	5.75	5.75
		-	(Richard Heard makes it now bet. May				
			21stOct 14)				
	23	88	,		0	6.50	6.5
	24	89			0	6.25	6.25
	24	0.5				0.23	0.23
			Copious rain at last in the night &				
			during the dayat 5 Pm it having just				
	25	90	stopped raining [and] water is X + 6	rain	0	6.50	6.5
			inches or has risen more than 6 inches				
			since yesterday.				
			It is clearer weatherMy neighbor told				
	26	91	me that about 4 inches of rain had		0	18.50	18.5
			fallenboats half full of water.				
	27	92			0	24.50	24.5
		32	A cool day, using NNA -1 0		-	27.30	2+.3
	28	93	A cool day, wind NWclear flashing		0	25.00	25
			airthick fog thsese mornings.				
	29	94	cool		0	24.50	24.5
	30	95			0	23.50	23.5
		1 33	Was caught in 5 successive				_5.5
	l	1					
	31	96	showersanother shower in the night		0	22.50	22.5
	1	1	(at 9 pm) making the 6th after 1 1/2		ا آ		
	l	1	pm.				
Sept.	1	97			0	21.50	21.5
	2	98			0	20.50	20.5
			h				
	3	99	A strong wind		0	19.50	19.5
	4	100			0	18.00	18
	5	101			0	16.00	16
	6	102			0	15.50	15.5
			<del> </del>				
	7	103			0	15.00	15
	8	104			0	14.50	14.5
	9	105			0	14.50	14.5
	10	106			0	14.00	14
	11	107	<del> </del>		0		13.5
						13.50	
	12	108			0	12.00	12
	13	109			0	11.50	11.5
			High gusty winds with dust & a little				
	14	110	rain.		0	11.00	11
-			Yesterday was very cold with NW wind				
	15	111	& this morning the first frost in the		0	10.50	10.5
			garden				
			Anotehr severe frost		0	9.50	9.5
1	16	112				9.00	
<del></del>	16 17	112				5.00	۵
	16 17	112 113			0		9
	17	113	Considerable rain yesterday, raising		0	13.00	
						13.00	9
	17	113	Considerable rain yesterday, raising		0	13.00 18.00	
	17 18	113 114 115	Considerable rain yesterday, raising		0	18.00	13
	17 18 19 20	113 114 115 116	Considerable rain yesterday, raising thestreams at lastsomewhat		0 0 0 0	18.00 22.00	13 18 22
	17 18 19	113 114 115	Considerable rain yesterday, raising thestreams at lastsomewhat  It is overcast like yesterday & yet more		0 0	18.00	13 18
	17 18 19 20	113 114 115 116	Considerable rain yesterday, raising thestreams at last-somewhat-  It is overcast like yesterday & yet more rain promising. Rain in Pm & night		0 0 0 0	18.00 22.00	13 18 22
	17 18 19 20 21	113 114 115 116 117	Considerable rain yesterday, raising thestreams at last-somewhat- It is overcast like yesterday & yet more rain promising. Rain in Pm & night A mizzling day-with less rain than		0 0 0 0	18.00 22.00 21.50	13 18 22 21.5
	17 18 19 20	113 114 115 116	Considerable rain yesterday, raising thestreams at last-somewhat-  It is overcast like yesterday & yet more rain promising. Rain in Pm & night		0 0 0 0	18.00 22.00	13 18 22
	17 18 19 20 21	113 114 115 116 117	Considerable rain yesterday, raising thestreams at last-somewhat		0 0 0 0	18.00 22.00 21.50	13 18 22 21.5
	17 18 19 20 21 22	113 114 115 116 117 118	Considerable rain yesterday, raising thestreams at last—somewhat—  It is overcast like yesterday & yet more rain promising. Rain in Pm & night A mizzling day—with less rain than yesterday filling the streams  Pretty copious rain in the night—11—Am		0 0 0 0 0 0	18.00 22.00 21.50 23.00	13 18 22 21.5 23
	17 18 19 20 21	113 114 115 116 117	Considerable rain yesterday, raising thestreams at last-somewhat—  It is overcast like yesterday & yet more rain promising. Rain in Pm & night A mizzling day—with less rain than yesterday filling the streams  Pretty copious rain in the night—11—Am river risen about 14 inches above		0 0 0 0	18.00 22.00 21.50	13 18 22 21.5
	17 18 19 20 21 22	113 114 115 116 117 118	Considerable rain yesterday, raising thestreams at last—somewhat—  It is overcast like yesterday & yet more rain promising. Rain in Pm & night  A mizzling day—with less rain than yesterday filling the streams Pretty copious rain in the night—11—Am river risen about 14 inches above lowest this year—(or 13 3/4 above my		0 0 0 0 0 0	18.00 22.00 21.50 23.00	13 18 22 21.5 23
	17 18 19 20 21 22	113 114 115 116 117 118	Considerable rain yesterday, raising thestreams at last-somewhat-  It is overcast like yesterday & yet more rain promising. Rain in Pm & night A mizzling day-with less rain than yesterday filling the streams Pretty copious rain in the night-11Am river risen about 14 inches above lowest this year-(or 13 3/4 above my hub. 8 y boat.		0 0 0 0 0 0	18.00 22.00 21.50 23.00	13 18 22 21.5 23
	17 18 19 20 21 22	113 114 115 116 117 118	Considerable rain yesterday, raising thestreams at last—somewhat—  It is overcast like yesterday & yet more rain promising. Rain in Pm & night  A mizzling day—with less rain than yesterday filling the streams Pretty copious rain in the night—11—Am river risen about 14 inches above lowest this year—(or 13 3/4 above my		0 0 0 0 0 0 0	18.00 22.00 21.50 23.00 24.00	13 18 22 21.5 23
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	17 18 19 20 21 22 23 24 25	113 114 115 116 117 118 119	Considerable rain yesterday, raising thestreams at last-somewhat-  It is overcast like yesterday & yet more rain promising. Rain in Pm & night A mizzling day-with less rain than yesterday filling the streams Pretty copious rain in the night-11Am river risen about 14 inches above lowest this year-(or 13 3/4 above my hub. By boat.  After 4 days cloud & rain we have fair		0 0 0 0 0 0	18.00 22.00 21.50 23.00 24.00 25.00 26.00	13 18 22 21.5 23 24 25 26
	17 18 19 20 21 22 23 24 24 25 26	113 114 115 116 117 118 119 120 121 122	Considerable rain yesterday, raising thestreams at last-somewhat-  It is overcast like yesterday & yet more rain promising. Rain in Pm & night A mizzling day-with less rain than yesterday filling the streams Pretty copious rain in the night-11Am river risen about 14 inches above lowest this year-(or 13 3/4 above my hub. By boat.  After 4 days cloud & rain we have fair		0 0 0 0 0 0	18.00 22.00 21.50 23.00 24.00 25.00 26.00 25.50	13 18 22 21.5 23 24 25 26 25.5
	17 18 19 20 21 22 23 24 25 26 27	113 114 115 116 117 118 119 120 121 122 123	Considerable rain yesterday, raising thestreams at last-somewhat-  It is overcast like yesterday & yet more rain promising. Rain in Pm & night A mizzling day-with less rain than yesterday filling the streams Pretty copious rain in the night-11Am river risen about 14 inches above lowest this year-(or 13 3/4 above my hub. By boat.  After 4 days cloud & rain we have fair		0 0 0 0 0 0	18.00 22.00 21.50 23.00 24.00 25.00 26.00 25.50 24.50	13 18 22 21.5 23 24 25 26 25.5 24.5
	17 18 19 20 21 22 23 24 25 26 26 27 28	113 114 115 116 117 118 119 120 121 122 123 124	Considerable rain yesterday, raising thestreams at last-somewhat-  It is overcast like yesterday & yet more rain promising. Rain in Pm & night A mizzling day-with less rain than yesterday filling the streams Pretty copious rain in the night-11Am river risen about 14 inches above lowest this year-(or 13 3/4 above my hub. By boat.  After 4 days cloud & rain we have fair		0 0 0 0 0 0	22.00 21.50 23.00 24.00 25.00 26.00 25.50 24.50 24.00	13 18 22 21.5 23 24 25 26 25.5 24.5 24.5
	17 18 19 20 21 22 23 24 25 26 27	113 114 115 116 117 118 119 120 121 122 123	Considerable rain yesterday, raising thestreams at last-somewhat-  It is overcast like yesterday & yet more rain promising. Rain in Pm & night A mizzling day-with less rain than yesterday filling the streams Pretty copious rain in the night-11Am river risen about 14 inches above lowest this year-(or 13 3/4 above my hub. By boat.  After 4 days cloud & rain we have fair		0 0 0 0 0 0	18.00 22.00 21.50 23.00 24.00 25.00 26.00 25.50 24.50	13 18 22 21.5 23 24 25 26 25.5 24.5
	17 18 19 20 21 22 23 24 25 26 26 27 28	113 114 115 116 117 118 119 120 121 122 123 124	Considerable rain yesterday, raising thestreams at last-somewhat-  It is overcast like yesterday & yet more rain promising. Rain in Pm & night A mizzling day-with less rain than yesterday filling the streams Pretty copious rain in the night-11Am river risen about 14 inches above lowest this year-(or 13 3/4 above my hub. By boat.  After 4 days cloud & rain we have fair		0 0 0 0 0 0	22.00 21.50 23.00 24.00 25.00 26.00 25.50 24.50 24.00	13 18 22 21.5 23 24 25 26 25.5 24.5 24.5
Oct	17 18 19 20 21 22 23 24 25 26 27 28 29 30	113 114 115 116 117 118 119 120 121 122 123 124 125 126	Considerable rain yesterday, raising thestreams at last-somewhat-  It is overcast like yesterday & yet more rain promising. Rain in Pm & night A mizzling day-with less rain than yesterday filling the streams Pretty copious rain in the night-11Am river risen about 14 inches above lowest this year-(or 13 3/4 above my hub. By boat.  After 4 days cloud & rain we have fair		0 0 0 0 0 0	22.00 21.50 23.00 24.00 25.00 25.00 24.50 24.50 24.50 24.00 23.00 22.00	13 18 22 21.5 23 24 25 26 25.5 24.5 24.5 24.2 23 22
Oct	17 18 19 20 21 22 23 24 25 26 27 28 29 30 1	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127	Considerable rain yesterday, raising thestreams at last-somewhat- It is overcast like yesterday & yet more rain promising. Rain in Pm & night A mizzling day-with less rain than yesterday filling the streams Pretty copious rain in the night-11Am river risen about 14 inches above lowest this year-(or 13 3/4 above my hub. By boat. After 4 days cloud & rain we have fair weather.		0 0 0 0 0 0	24.00 25.00 24.00 25.00 25.00 25.00 26.00 25.50 24.00 23.00 23.00 22.00 21.00	13 18 22 21.5 23 24 25 26 25.5 24.5 24 23 22 21
Oct	17 18 19 20 21 22 23 24 25 26 27 28 29 30	113 114 115 116 117 118 119 120 121 122 123 124 125 126	Considerable rain yesterday, raising thestreams at last-somewhat-lit is overcast like yesterday & yet more rain promising. Rain in Pm & night A mizzling day-with less rain than yesterday filling the streams Pretty copious rain in the night-11-Am river risen about 14 inches above lowest this year-(or 13 3/4 above my hub. By boat. After 4 days cloud & rain we have fair weather.		0 0 0 0 0 0	22.00 21.50 23.00 24.00 25.00 25.00 24.50 24.50 24.50 24.00 23.00 22.00	13 18 22 21.5 23 24 25 26 25.5 24.5 24.5 24.2 23 22
Oct	17 18 19 20 21 22 23 24 25 26 27 28 29 30 1	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128	Considerable rain yesterday, raising thestreams at last-somewhat—  It is overcast like yesterday & yet more rain promising. Rain in Pm & night A mizzling day—with less rain than yesterday filling the streams  Pretty copious rain in the night—11—Am river risen about 14 inches above lowest this year—(or 13 3/4 above my hub. By boat.  After 4 days cloud & rain we have fair weather.  Rain in the night—& cloudy this Am.  It is somewhat cooler & more		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.00 21.50 23.00 24.00 25.00 25.00 25.50 24.50 24.00 23.00 22.00 21.00 19.50	13 18 22 21.5 23 24 25 26 25.5 24.5 23 22 21 19.5
Oct	17 18 19 20 21 22 23 24 25 26 27 28 29 30 1	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127	Considerable rain yesterday, raising thestreams at last-somewhat-lit is overcast like yesterday & yet more rain promising. Rain in Pm & night A mizzling day-with less rain than yesterday filling the streams Pretty copious rain in the night-11-Am river risen about 14 inches above lowest this year-(or 13 3/4 above my hub. By boat. After 4 days cloud & rain we have fair weather.		0 0 0 0 0 0	24.00 24.00 24.00 24.00 25.00 25.00 24.50 24.50 24.50 22.00 23.00 22.00 19.50	13 18 22 21.5 23 24 25 26 25.5 24.5 24 23 22 21
Oct	17 18 19 20 21 22 23 24 25 26 27 28 29 30 1	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128	Considerable rain yesterday, raising thestreams at last-somewhat—  It is overcast like yesterday & yet more rain promising. Rain in Pm & night A mizzling day—with less rain than yesterday filling the streams  Pretty copious rain in the night—11—Am river risen about 14 inches above lowest this year—(or 13 3/4 above my hub. By boat.  After 4 days cloud & rain we have fair weather.  Rain in the night—& cloudy this Am.  It is somewhat cooler & more		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.00 21.50 23.00 24.00 25.00 25.00 25.50 24.50 24.00 23.00 22.00 21.00 19.50	13 18 22 21.5 23 24 25 26 25.5 24.5 23 22 21 19.5
Oct	17 18 19 20 21 22 23 24 25 26 27 28 29 30 1 2 3 4	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130	Considerable rain yesterday, raising thestreams at last-somewhat—  It is overcast like yesterday & yet more rain promising. Rain in Pm & night A mizzling day—with less rain than yesterday filling the streams  Pretty copious rain in the night—11—Am river risen about 14 inches above lowest this year—(or 13 3/4 above my hub. By boat.  After 4 days cloud & rain we have fair weather.  Rain in the night—& cloudy this Am.  It is somewhat cooler & more		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.00 21.50 23.00 24.00 25.00 26.00 25.50 24.50 24.50 22.00 21.00 19.50 17.50	13 18 22 21.5 23 24 25 26 26, 25, 5 24, 5 24 22 21 22 21 21, 5
Oct	17 18 19 20 21 22 23 24 25 26 27 28 29 30 1 2 3 4 5	113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131	Considerable rain yesterday, raising thestreams at last-somewhat—  It is overcast like yesterday & yet more rain promising. Rain in Pm & night A mizzling day—with less rain than yesterday filling the streams  Pretty copious rain in the night—11—Am river risen about 14 inches above lowest this year—(or 13 3/4 above my hub. By boat.  After 4 days cloud & rain we have fair weather.  Rain in the night—& cloudy this Am.  It is somewhat cooler & more		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	22.00 21.50 23.00 24.00 25.00 25.50 24.50 24.50 24.00 23.00 21.00 19.50 17.50	13 18 22 21.5 23 24 25 26 25.5 24.5 24 23 22 21 19.5 17.5
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Notes:
(1) Daily data monitored by Richard Heard at a Saddle Rock gage at Heard's Bridge in Wayland.
(2)This data published in the appendix for the 1860 report., page lxviii.
(3) This data links to Thoreau's stage record (Task 1a) and his Journal observations.

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