

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

Date			Rainfall H.D.Thoreau <i>Journal</i>	R. Heard <i>Record</i>	River Stage		
Month	Date	Elapsed days			Measured Feet	Inches	Converted Inches
May	24	0			2	9.00	33
	28	1			2	4.50	28.5
	29	2			2	4.00	28
	30	3			2	2.00	26
	31	4			2	1.00	25
June	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	Rain--esp--heavy 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 time to a fine rain --& more even to a shower.		3	5.00	41
	25	29			3	4.50	40.5
	26	30			3	4.00	40
	27	31			3	2.50	38.5
	28	32			3	1.50	37.5
	29	33	Very hot		3	0.00	36
	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 hot--with a blue-haze		1	9.00	21
	11	45	Another hot day with blue haze		1	6.50	18.5
	12	46	Anotehr hot day--96* at mid afternoon.		1	6.00	18
	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
	26	60			1	0.00	12
	27	61			1	0.00	12
	28	62			1	0.00	12
	29	63	The river is very nearly down to summer [195] level now...Dog days and fogs.		1	0.00	12
	30	64	Dog-day weather		1	0.00	12
	31	65	Dog days...dense fog		0	11.50	11.5
August	1	66			0	10.50	10.5
	2	67			0	10.50	10.5
	3	68			0	10.00	10
	4	69			0	10.00	10
	5	70	Here are six days unaffected by rain...at low water--& when the river is at a stand-still. ...As this morning's rain will interfere with my observations--I sum them up now.	rain	0	9.50	9.5
	6	71			0	11.00	11
	7	72			0	10.50	10.5
	8	73			0	9.50	9.5
	9	74			0	9.50	9.5
	10	75			0	9.50	9.5
	11	76			0	9.50	9.5
	12	77			0	9.00	9
	13	78			0	9.00	9

	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
	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
	22	87	6 Am water is X - 3 1/8-- This is lower than the river has been this year. (Richard Heard makes it now bet. May 21st--Oct 14)		0	5.75	5.75
	23	88			0	6.50	6.5
	24	89			0	6.25	6.25
	25	90	Copious rain at last in the night & during the day--at 5 Pm it having just stopped raining [and] water is X + 6 inches or has risen more than 6 inches since yesterday.	rain	0	6.50	6.5
	26	91	It is clearer weather....My neighbor told me that about 4 inches of rain had fallen...boats half full of water.		0	18.50	18.5
	27	92			0	24.50	24.5
	28	93	A cool day, wind NW....clear flashing air....thick fog these mornings.		0	25.00	25
	29	94	cool		0	24.50	24.5
	30	95			0	23.50	23.5
	31	96	Was caught in 5 successive showers...another shower in the night (at 9 pm) making the 6th after 1 1/2 pm.		0	22.50	22.5
Sept.	1	97			0	21.50	21.5
	2	98			0	20.50	20.5
	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
	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			0	13.50	13.5
	12	108			0	12.00	12
	13	109			0	11.50	11.5
	14	110	High gusty winds with dust & a little rain.		0	11.00	11
	15	111	Yesterday was very cold with NW wind-- & this morning the first frost in the garden....		0	10.50	10.5
	16	112	Anotehr severe frost		0	9.50	9.5
	17	113			0	9.00	9
	18	114	Considerable rain yesterday, raising the streams at last--somewhat--		0	13.00	13
	19	115			0	18.00	18
	20	116			0	22.00	22
	21	117	It is overcast like yesterday & yet more rain promising. Rain in Pm & night		0	21.50	21.5
	22	118	A mizzling day--with less rain than yesterday filling the streams		0	23.00	23
	23	119	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.		0	24.00	24
	24	120	After 4 days cloud & rain we have fair weather.		0	25.00	25
	25	121			0	26.00	26
	26	122			0	25.50	25.5
	27	123			0	24.50	24.5
	28	124			0	24.00	24
	29	125			0	23.00	23
	30	126			0	22.00	22
Oct	1	127			0	21.00	21
	2	128	Rain in the night--& cloudy this Am.		0	19.50	19.5
	3	129	It is somewhat cooler & more autumnal.		0	17.50	17.5
	4	130			0	18.00	18
	5	131			0	17.00	17
	6	132			0	16.75	16.75
	7	133			0	16.00	16
	8	134		rain	0	16.00	16
	9	135			0	18.00	18
	10	136			0	22.00	22
	11	137			0	25.00	25
	12	138			0	24.50	24.5
	13	139			0	24.00	24
	14	140			0	23.00	23

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.