

Table 7 - HDT.RP: Summary Description of Reaches

Reach				
Label	Name	South end	North End	Description
Extra	Pelham Pond	Pelham Pond	Weeds just above Heard's Bridge	Here suddenly you have all the peculiarities of Concord River-- the sluggishness--button bush fence--(some 12 or 15 rds had changed sides at one place) pads &c &c-- This first lake like reach is uniformly deep & its depth is remarkable--It was 9 1/2 & 10 1/2 or commonly 10 as I measured--but at last about a dozen rods above Heards B. were some weeds & a shallower place-- Perhaps it might be considered as reaching further with several shallow & weedy places (though quite short ones) This lake like reach, as usual is more direct--only one important & simple bend in it. Perhaps it may be called the Pelham Pond Reach--(or Island Reach?)
1st	Sudbury Meadow or Meandering	Weeds just above Heard's Bridge	Hay Bridge near Concord Line	In the 1st reach it meanders thro' 2 & part of a 3d broad meadows (the 1st the largest on the river) with an average depth of about 7 1/2 feet--& a fall on the surface of about 7 9/10 inches in a mile--with 12 deep holes varying from 11 1/2 to 15 1/2 feet in depth, & 9 shallow & weedy places from 2 to 70 rds long where it is only from 3 to 5 1/2 feet deep--
2nd	Fair Haven or Hill-Lake	Hay Bridge near Concord Line	Nut Meadow Brook	The 2d Reach winds amid Rocky Hills --the highest on the part of the river described-- (chiefly gneiss with some of Hornblende slate) & considerable meadows. The bottom now falls suddenly to an average depth of 9 4/10 feet (or about 2 feet greater than before)-- with an average fall in a mile of about zero at the time of Baldwins levelling--with 7 deep holes from 11 to 19 1/2 feet in depth--& no shallows--or any place less than 6 1/2 ft132 deep
3rd	Rapids	Nut Meadow Brook	Holt Ford Inclusive (or per Pad Is.	The 3d Reach ^ winds through broad meadows & {the} the ancient intervals of the river-- with an average depth of say 6 feet 7/10 prob. & an average fall of ^ about 3 inches to a mile with 4 deep holes from 11 to 17 feet deep & 7 shallow & weedy places from 2 1/2 to 3 3/4 shallow feet deep--& one ^ place without weeds. Weeds perhaps 40 rds long in one place The bottom being about on a level with the bottom of the River in the first reach
4th	Carlisle or Deep Lake	Holt Ford Inclusive (or per Pad Is.	Off height of Hill below Jug I.	The 4th reach--extends from the last Great meadow to what you may call the end of the meadows some 5 1/5 (5 1/5) miles with an average depth say of 10 1/4 feet--(1 1/3 miles of it averages 11+ feet) & on av. {prob.} to a mile of prob. some 1 1/10 inches to a mile with 4 deep holes from 14 to 15 1/2 feet deep & only one weedy spot with water 4 to 4 1/2 feet deep at Pad. I.
5th	Billerica or Shallow	Off height of Hill below Jug I.	The Falls	The 5th Reach (nearly 3 1/4 miles) has an average depth of about 6 feet (which on ac. of its place in the river & the breadth of the stream there, I call the Shallow Reach) or 4 1/4 to 5+ less than the last reach--with a sandy & at last Rocky bed--with 2 deep places 12 to 13 feet in depth--& 1 or perhaps 2 slight weedy places from 3 1/4 to 4 1/2 feet deep with a fall of possibly 1 4/10 inches to a mile

Notes:

1. see text and appendix for details

Boatman reference, pages 180-184