

# Pond Owner's Report

Property: hvf

In our general report, we do not give specific information regarding any particular pond. Instead, we report on averages and general statistics. However, we realize you might want to know about your own particular ponds. In order to satisfy this curiosity, this report provides you with some information about how your pond compared to the others we studied around the County. Please don't hesitate to contact us if you have further questions (518 781 0243; fep@hawthornevalleyfarm.org).

All these values were measured to the best of our abilities, no more, no less. Being human, we are sure errors exist.

**ALL NUMBERS EXCEPT pH ARE RANKS RATHER THAN RAW VALUES.**

**Pond-specific Results-**

Site Number	Pond Description	<u>Pond Alkalinity</u>		<u>Apparent Eutrophy</u>		
		Water pH	Sediment Calcareousness	Suspended Chlorophyll	Total Suspended Pigments	Average Aquatic Growth
50	bookstore pond	6.4	36	84	85	95
51	fire pond	N/A	3	8	6	4
52	swim	6.4	38	51	48	14
53	n3/4	N/A	13	11	12	26
54	w-most on north hill	8.2	60	24	23	42
55	base steephill	6.8	4	3	3	58
56	base of atelier	6.8	12	21	32	62
57	west hill	6.4	45	27	37	77
58	greenhouse	7.3	27	55	68	91

**General Explanation of Values-**

<i>Range</i>	6.4 - 9.3	1 - 86	1 - 92	1 - 92	1 - 95
<i>Explanation of Ranking</i>	<i>From most acidic to least.</i>	<i>From least calcareous to most.</i>	<i>From lowest amount of suspended Chlorophyll to most.</i>	<i>From lowest amount of total suspended pigments to most.</i>	<i>From least aquatic growth to most.</i>

"N/A" = data not available.

("Eutrophy" refers to the ecological effects of nutrient accumulation. This accumulation can occur naturally [e.g., as autumn leaves accumulate in a pond or because of fertilizer run-off, septic-tank leakage or other human inputs]. We have indexed eutrophy based upon various measures of in-pond plant and algae growth.)

**ALL NUMBERS EXCEPT pH ARE RANKS RATHER THAN RAW VALUES**

**Pond-specific Results-**

Site Number	Pond Description	<u>Apparent Sediment Contamination</u>		<u>Animal Diversity</u>			<u>Plant Diversity</u>			
		Sediment Contamination Index 1	Sediment Contamination Index 2	Dragonfly & Damselfly Diversity	Butterfly Diversity	Amphibian Diversity	Native Aquatic Plant Diversity	Native Wetland Plant Diversity	Invasive Aquatic Plants	Invasive Wetland Plants
50	bookstore pond	13	50	8	12	2	N/A	23	N/A	1
51	fire pond	6	17	1	3	N/A	N/A	N/A	N/A	N/A
52	swim	11	54	10	N/A	6	N/A	N/A	N/A	N/A
53	n3/4	12	39	N/A	N/A	N/A	N/A	N/A	N/A	N/A
54	w-most on north hill	16	84	11	1	6	5	8	2	1
55	base steephill	8	47	13	N/A	4	9	30	1	1
56	base of atelier	18	76	13	N/A	5	1	31	1	2
57	west hill	8	35	9	N/A	3	6	21	1	1
58	greenhouse	14	56	12	N/A	6	8	14	1	2

**General Explanation of Values-**

<i>RANGE</i>	<i>1 - 20</i>	<i>1 - 86</i>	<i>1 - 15</i>	<i>1 - 13</i>	<i>1 - 9</i>	<i>1 - 10</i>	<i>1 - 34</i>	<i>1 - 3</i>	<i>1 - 6</i>
<i>Explanation of Ranking</i>	<i>From least contaminated sediments to most.</i>	<i>From least contaminated sediments to most.</i>	<i>From most diverse to least.</i>	<i>From most diverse to least.</i>	<i>From most diverse to least.</i>	<i>From most diverse to least.</i>	<i>From most diverse to least.</i>	<i>From fewest invasives to most.</i>	<i>From fewest invasives to most.</i>

*(These two indices reflect different ways of calculating apparent contamination by heavy metals and other elements. At least some of this so-called contamination is natural.)*

"N/A" = data not available.