

Staffordville Reservoir, Stafford Springs

Transect Data

Survey by Robert Capers and Brandon Russell

*Plant abundance is on scale of 1 – 5: 1 = present but rare (1 plant), 2 = occasional (a few plants), 3 = common (more than a few plants), 4 = abundant, 5 = extremely abundant or dominant								**Follow this link to convert decimal degrees to degrees minutes seconds http://www.fcc.gov/mb/audio/bickel/DDDMSS-decimal.html																													
Surveyor	Depth	Substrate	Weather	Wind Direction	Transect	Points	Meters from Shore	Notes	<i>Brasenia schreberi</i> *	<i>Elatine minima</i>	<i>Eleocharis acicularis</i>	<i>Elodea nuttallii</i>	<i>Eriocaulon aquaticum</i>	<i>Grafiola aurea</i>	<i>Najas flexilis</i>	<i>Najas gracillima</i>	<i>Nuphar variegata</i>	<i>Nymphaea odorata</i>	<i>Pontederia cordata</i>	<i>Potamogeton pusillus</i>	<i>Potamogeton epiphydrus</i>	<i>Potamogeton natans</i>	<i>Proserpenaca palustris</i>	<i>Sagittaria sp.</i>	<i>Sparganium sp.</i>	<i>Utricularia geminiscapa</i>	<i>Utricularia gibba</i>	<i>Utricularia purpurea</i>	<i>Utricularia radiata</i>	<i>Utricularia vulgaris</i>	<i>Vallisneria americana</i>	Date	Latitude**	Longitude			
Robert Capers	0.4	Sand	sunny	West	1	0	0		0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01069	-72.25451
Robert Capers	0.8	Sand	partially sunny	South	1	2	5		0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01069	-72.25459
Robert Capers	1.5	Sand	sunny		1	3	10	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	8/12/2005	42.01067	-72.25464	
Robert Capers	2	Sand	partially sunny	West	1	4	20		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	8/12/2005	42.01065	-72.25475	
Robert Capers	2.1	Sand	partially sunny	South	1	5	30	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	8/12/2005	42.01072	-72.25487	
Robert Capers	2.6	Sand	partially sunny	South	1	6	40		0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	3	0	0	0	0	0	8/12/2005	42.01073	-72.25501	
Robert Capers	3.3	Silt	partially sunny	South	1	7	50	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01068	-72.25510	
Robert Capers	3.8	Silt	partially sunny	South	1	8	60	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01073	-72.25524	
Robert Capers	4	Silt	partially sunny	South	1	9	70	a little Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01074	-72.25534	
Robert Capers	4.1	Silt	partially sunny	South	1	10	80	a little Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01076	-72.25548	
Robert Capers	0.3	Sand	partially sunny	South	2	1	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	8/12/2005	42.01205	-72.25398		



Staffordville Reservoir, Stafford Springs

Transect Data

Survey by Robert Capers and Brandon Russell

Surveyor	Depth	Substrate	Weather	Wind Direction	Transect	Points	Meters from Shore	Notes	<i>Brasenia schreberi</i> *	<i>Elatine minima</i>	<i>Eleocharis acicularis</i>	<i>Elodea nuttallii</i>	<i>Eriocaulon aquaticum</i>	<i>Gratiola aurea</i>	<i>Najas flexilis</i>	<i>Najas gracillima</i>	<i>Nuphar variegata</i>	<i>Nymphaea odorata</i>	<i>Pontederia cordata</i>	<i>Potamogeton pusillus</i>	<i>Potamogeton epiphydrus</i>	<i>Potamogeton natans</i>	<i>Proserpenaca palustris</i>	<i>Sagittaria sp.</i>	<i>Sparganium sp.</i>	<i>Utricularia geminiscapa</i>	<i>Utricularia gibba</i>	<i>Utricularia purpurea</i>	<i>Utricularia radiata</i>	<i>Utricularia vulgaris</i>	<i>Vallisneria americana</i>	Date	Latitude**	Longitude		
Robert Capers	0.5	Sand	partially sunny	South	2	2	5		0	0	4	0	0	0	0	0	0	0	4	0	0	0	0	0	4	0	0	0	0	0	0	0	0	8/12/2005	42.01206	-72.25405
Robert Capers	1	Sand	partially sunny	South	2	3	10		0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	3	0	0	0	0	0	8/12/2005	42.01205	-72.25412
Robert Capers	2.1	Silt	partially sunny	South	2	4	20	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01206	-72.25424
Robert Capers	2.8	Silt	partially sunny	South	2	5	30	Chara carpet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01204	-72.25436
Robert Capers	3.3	Silt	partially sunny	South	2	6	40	Chara abundant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	2	0	0	0	0	8/12/2005	42.01201	-72.25450	
Robert Capers	3.6	Silt	partially sunny	South	2	7	50		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	8/12/2005	42.01207	-72.25460	
Robert Capers	3.7	Silt	partially sunny	South	2	8	60		0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	2	0	0	0	0	0	0	8/12/2005	42.01211	-72.25473	
Robert Capers	3.8	Silt	partially sunny	South	2	9	70	Chara	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	3	0	0	0	0	0	0	8/12/2005	42.01207	-72.25484	
Robert Capers	3.9	Silt	partially sunny	South	2	10	80	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01211	-72.25501	
Robert Capers	0.4	Rock	partially sunny		3	1	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	2	0	0	0	0	0	8/12/2005	42.01459	-72.25396	
Robert Capers	2	Gravel	partially sunny	South	3	2	5	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01461	-72.25405	
Robert Capers	2.5	Sand	partially sunny	South west	3	3	10	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	8/12/2005	42.01460	-72.25407	



Staffordville Reservoir, Stafford Springs

Transect Data

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Surveyor	Depth	Substrate	Weather	Wind Direction	Transect	Points	Meters from Shore	Notes	<i>Brasenia schreberi</i> *	<i>Elatine minima</i>	<i>Eleocharis acicularis</i>	<i>Elodea nuttallii</i>	<i>Eriocaulon aquaticum</i>	<i>Gratiola aurea</i>	<i>Najas flexilis</i>	<i>Najas gracillima</i>	<i>Nuphar variegata</i>	<i>Nymphaea odorata</i>	<i>Pontederia cordata</i>	<i>Potamogeton pusillus</i>	<i>Potamogeton epiphydrus</i>	<i>Potamogeton natans</i>	<i>Proserpenaca palustris</i>	<i>Sagittaria sp.</i>	<i>Sparganium sp.</i>	<i>Utricularia geminiscapa</i>	<i>Utricularia gibba</i>	<i>Utricularia purpurea</i>	<i>Utricularia radiata</i>	<i>Utricularia vulgaris</i>	<i>Vallisneria americana</i>	Date	Latitude**	Longitude		
Robert Capers	3.2	Silt	partially sunny		3	4	20	Chara	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01458	-72.25424
Robert Capers	3.6	Silt	partially sunny	South	3	5	30	Chara	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	3	0	0	0	0	0	0	8/12/2005	42.01466	-72.25433
Robert Capers	3.6	Silt	sunny	South	3	6	40		0	0	0	2	0	0	0	0	0	0	0	4	0	0	0	0	0	2	0	0	0	0	0	0	0	8/12/2005	42.01453	-72.25446
Robert Capers	3.6	Silt	sunny	South	3	7	50	Chara	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01460	-72.25459
Robert Capers	3.6	Silt	sunny	South	3	8	60	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01441	-72.25468
Robert Capers	3.7	Silt	sunny	South	3	9	70		0	0	0	2	0	0	0	0	0	0	0	3	0	0	0	0	0	0	3	0	0	0	0	0	0	8/12/2005	42.01444	-72.25480
Robert Capers	3.6	Silt	sunny	South west	3	10	80	Chara	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01455	-72.25494
Robert Capers	0.3	Silt	sunny	South	4	1	0		0	0	0	2	2	0	2	0	0	0	0	2	0	0	0	4	0	4	0	2	0	0	0	0	0	8/12/2005	42.01679	-72.25538
Robert Capers	0.3	Silt	sunny	South	4	2	5		0	0	3	0	2	0	3	0	0	0	0	3	0	0	0	4	0	3	0	0	0	0	0	0	0	8/12/2005	42.01675	-72.25540
Robert Capers	0.3	Silt	sunny	South	4	3	10		0	0	3	0	0	0	2	0	0	0	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	8/12/2005	42.01669	-72.25540
Robert Capers	0.3	Silt	sunny	South	4	4	20	leaf litter	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01662	-72.25548
Robert Capers	0.5	Silt	sunny	South	4	5	30	Chara	0	0	4	0	0	0	0	0	0	0	0	3	0	0	0	4	0	0	0	0	0	0	0	4	0	8/12/2005	42.01652	-72.25547
Robert Capers	1.1	Silt	sunny	South	4	6	40		0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	8/12/2005	42.01643	-72.25541
Robert Capers	1.6	Silt	sunny	South	4	7	50	Chara very abundant	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01633	-72.25531
Robert Capers	1.8	Silt	sunny	South	4	8	60	Chara	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	8/12/2005	42.01628	-72.25506



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Surveyor	Depth	Substrate	Weather	Wind Direction	Transect	Points	Meters from Shore	Notes	<i>Brasenia schreberi</i> *	<i>Elatine minima</i>	<i>Eleocharis acicularis</i>	<i>Elodea nuttallii</i>	<i>Eriocaulon aquaticum</i>	<i>Gratiola aurea</i>	<i>Najas flexilis</i>	<i>Najas gracillima</i>	<i>Nuphar variegata</i>	<i>Nymphaea odorata</i>	<i>Pontederia cordata</i>	<i>Potamogeton pusillus</i>	<i>Potamogeton epiphydrus</i>	<i>Potamogeton natans</i>	<i>Proserpenaca palustris</i>	<i>Sagittaria sp.</i>	<i>Sparganium sp.</i>	<i>Utricularia geminiscapa</i>	<i>Utricularia gibba</i>	<i>Utricularia purpurea</i>	<i>Utricularia radiata</i>	<i>Utricularia vulgaris</i>	<i>Vallisneria americana</i>	Date	Latitude**	Longitude				
Robert Capers	1.9	Silt	sunny	South west	4	9	70		0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	8/12/2005	42.01621	-72.25503	
Robert Capers	2	Silt	sunny	South	4	10	80	Chara abundant	0	0	0	0	0	0	0	0	1	0	0	4	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01608	-72.25517
Robert Capers	0.3	Grave	sunny	South	5	1	0		3	0	4	0	2	0	0	4	0	0	0	4	0	1	0	0	2	0	3	3	4	0	0	0	0	0	8/12/2005	42.01758	-72.25849	
Robert Capers	0.3	Silt	sunny	South	5	2	5		2	0	0	0	0	0	0	0	0	5	0	0	0	0	3	0	0	0	2	0	0	0	0	0	0	0	8/12/2005	42.01753	-72.25849	
Robert Capers	0.3	Silt	sunny	South	5	3	10		3	0	0	0	0	0	4	2	0	3	0	3	2	3	0	0	0	0	2	0	3	0	0	0	3	8/12/2005	42.01749	-72.25846		
Robert Capers	0.4	Silt	sunny	South	5	4	20		4	0	0	0	0	0	0	0	4	0	0	4	0	4	0	0	4	3	0	2	0	0	0	0	0	8/12/2005	42.01739	-72.25849		
Robert Capers	0.8	Silt	sunny	South	5	5	30		4	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	8/12/2005	42.01732	-72.25848		
Robert Capers	0.7	Silt	sunny	South	5	6	40		4	0	0	0	0	0	0	0	4	0	0	3	0	3	0	0	0	0	2	0	0	0	0	0	0	8/12/2005	42.01721	-72.25845		
Robert Capers	0.6	Silt	sunny	South	5	7	50		5	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01711	-72.25846		
Robert Capers	0.6	Silt	sunny	South	5	8	60		5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01703	-72.25848		
Robert Capers	0.6	Silt	sunny	South	5	9	70		5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01694	-72.25851		
Robert Capers	1	Silt	sunny	South	5	10	80		5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	8/12/2005	42.01685	-72.25851			
Robert Capers	0.3	Sand	sunny	South	6	1	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	8/12/2005	42.01503	-72.25735		
Robert Capers	2.2	Silt	sunny		6	2	5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01500	-72.25732		
Robert Capers	2.7	Silt	sunny		6	3	10	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	8/12/2005	42.01496	-72.25726		
Robert Capers	2.8	Silt	sunny		6	4	20		0	0	0	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	8/12/2005	42.01487	-72.25723			
Robert Capers	2.8	Silt	sunny	South	6	5	30	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01481	-72.25714		



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Transect Data

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Surveyor	Depth	Substrate	Weather	Wind Direction	Transect	Points	Meters from Shore	Notes	<i>Brasenia schreberi</i> *	<i>Elatine minima</i>	<i>Eleocharis acicularis</i>	<i>Elodea nuttallii</i>	<i>Eriocaulon aquaticum</i>	<i>Gratiola aurea</i>	<i>Najas flexilis</i>	<i>Najas gracillima</i>	<i>Nuphar variegata</i>	<i>Nymphaea odorata</i>	<i>Pontederia cordata</i>	<i>Potamogeton pusillus</i>	<i>Potamogeton epiphydrus</i>	<i>Potamogeton natans</i>	<i>Proserpenaca palustris</i>	<i>Sagittaria sp.</i>	<i>Sparganium sp.</i>	<i>Utricularia geminiscapa</i>	<i>Utricularia gibba</i>	<i>Utricularia purpurea</i>	<i>Utricularia radiata</i>	<i>Utricularia vulgaris</i>	<i>Vallisneria americana</i>	Date	Latitude**	Longitude		
Robert Capers	2.8	Silt	sunny		6	6	40	Chara	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	8/12/2005	42.01481	-72.25698	
Robert Capers	2.8	Silt	sunny	South	6	7	50		0	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01477	-72.25683	
Robert Capers	3.1	Silt	partially sunny	South east	6	8	60	Chara	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01468	-72.25683	
Robert Capers	3.1	Silt	partially sunny	South east	6	9	70	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	8/12/2005	42.01464	-72.25669	
Robert Capers	3.2	Silt	partially sunny	South east	6	10	80	Chara abundant	0	0	4	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	8/12/2005	42.01462	-72.25655	
Robert Capers	0.5	Sand	partially sunny	South	7	1	0		0	0	4	0	2	2	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	1	0	0	8/12/2005	42.01279	-72.25646	
Robert Capers	1.6	Sand	partially sunny	South	7	2	5		0	0	3	0	0	0	4	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	8/12/2005	42.01279	-72.25639	
Robert Capers	2	Sand	partially sunny	South	7	3	10	Chara	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	8/12/2005	42.01280	-72.25633	
Robert Capers	2.3	Sand	partially sunny	South	7	4	20	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	8/12/2005	42.01279	-72.25623	
Robert Capers	2.7	Sand	partially sunny	South	7	5	30	Chara abundant	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	8/12/2005	42.01281	-72.25608	
Robert Capers	3	Sand	partially sunny	South	7	6	40	Chara	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01283	-72.25593
Robert Capers	3.9	Sand	partially sunny	South east	7	7	50	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01284	-72.25583



Staffordville Reservoir, Stafford Springs

Transect Data

Survey by Robert Capers and Brandon Russell

Surveyor	Depth	Substrate	Weather	Wind Direction	Transect	Points	Meters from Shore	Notes	<i>Brasenia schreberi</i> *	<i>Elatine minima</i>	<i>Eleocharis acicularis</i>	<i>Elodea nuttallii</i>	<i>Eriocaulon aquaticum</i>	<i>Gratiola aurea</i>	<i>Najas flexilis</i>	<i>Najas gracillima</i>	<i>Nuphar variegata</i>	<i>Nymphaea odorata</i>	<i>Pontederia cordata</i>	<i>Potamogeton pusillus</i>	<i>Potamogeton epiphydrus</i>	<i>Potamogeton natans</i>	<i>Proserpenaca palustris</i>	<i>Sagittaria sp.</i>	<i>Sparganium sp.</i>	<i>Utricularia geminiscapa</i>	<i>Utricularia gibba</i>	<i>Utricularia purpurea</i>	<i>Utricularia radiata</i>	<i>Utricularia vulgaris</i>	<i>Vallisneria americana</i>	Date	Latitude**	Longitude		
Robert Capers	3.8	Sand	partially sunny	South	7	8	60	Chara	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01291	-72.25576
Robert Capers	3.9	Sand	partially sunny	South	7	9	70	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01288	-72.25559
Robert Capers	3.9	Sand	partially sunny	South	7	10	80	Chara	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01287	-72.25549
Robert Capers	0.3	Grave	partially sunny		8	1	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01012	-72.25723	
Robert Capers	1.2	Sand	partially sunny		8	2	5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01013	-72.25716	
Robert Capers	2.8	Sand	partially sunny		8	3	10		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	8/12/2005	42.01013	-72.25709	
Robert Capers	3.5	Sand	partially sunny		8	4	20		0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	8/12/2005	42.01012	-72.25697	
Robert Capers	3.8	Sand	sunny		8	5	30	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01015	-72.25685	
Robert Capers	3.9	Sand	sunny	South	8	6	40	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	8/12/2005	42.01013	-72.25673	
Robert Capers	3.9	Sand	sunny	South	8	7	50		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01018	-72.25663	
Robert Capers	4	Sand	partially sunny	South	8	8	60		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01026	-72.25653	
Robert Capers	4	Silt	partially sunny	South	8	9	70		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01039	-72.25643	
Robert Capers	4.3	Silt	sunny	North	8	10	80	little Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.01033	-72.25626	



Staffordville Reservoir, Stafford Springs

Transect Data

Survey by Robert Capers and Brandon Russell

Surveyor	Depth	Substrate	Weather	Wind Direction	Transect	Points	Meters from Shore	Notes	<i>Brasenia schreberi</i> *	<i>Elatine minima</i>	<i>Eleocharis acicularis</i>	<i>Elodea nuttallii</i>	<i>Eriocaulon aquaticum</i>	<i>Gratiola aurea</i>	<i>Najas flexilis</i>	<i>Najas gracillima</i>	<i>Nuphar variegata</i>	<i>Nymphaea odorata</i>	<i>Pontederia cordata</i>	<i>Potamogeton pusillus</i>	<i>Potamogeton epiphydrus</i>	<i>Potamogeton natans</i>	<i>Proserpenaca palustris</i>	<i>Sagittaria sp.</i>	<i>Sparganium sp.</i>	<i>Utricularia geminiscapa</i>	<i>Utricularia gibba</i>	<i>Utricularia purpurea</i>	<i>Utricularia radiata</i>	<i>Utricularia vulgaris</i>	<i>Vallisneria americana</i>	Date	Latitude**	Longitude	
Robert Capers	0.4	Grave	sunny	South	9	1	0		0	0	2	0	0	4	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	8/12/2005	42.00469	-72.25833
Robert Capers	2	Grave	sunny	South	9	2	5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	8/12/2005	42.00469	-72.25826
Robert Capers	3.2	Silt	sunny	South east	9	3	10	Chara	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	0	0	0	0	0	0	8/12/2005	42.00473	-72.25818
Robert Capers	0		sunny	South	9	4	20		0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.00473	-72.25807
Robert Capers	0		sunny	South	9	5	30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.00469	-72.25796
Robert Capers	0		sunny	South	9	6	40		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.00472	-72.25784
Robert Capers	0		sunny	South	9	7	50		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.00468	-72.25773
Robert Capers	0		sunny	South	9	8	60		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.00470	-72.25759
Robert Capers	0		sunny	South	9	9	70		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.00466	-72.25749
Robert Capers	0		sunny	South	9	10	80		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/12/2005	42.00466	-72.25735
Robert Capers	0.3	Sand	Cloudy		10	1	0		0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	42.00122	-72.25915
Robert Capers	0.9	Sand	Cloudy		10	2	5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	42.00115	-72.25907
Robert Capers	1.4	Sand	Cloudy	North	10	3	10		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	0	0	0	8/15/2005	42.00115	-72.25909
Robert Capers	2.1	Sand	Cloudy	North	10	4	20	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	42.00114	-72.25894
Robert Capers	3.7	Silt	Cloudy	North	10	5	30		0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	42.00117	-72.25880
Robert Capers	4.3	Silt	Cloudy	North	10	6	40		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	42.00115	-72.25866
Robert Capers	0		Cloudy	North	10	7	50		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	42.00110	-72.25852
Robert Capers	0		Cloudy	North	10	8	60		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	42.00118	-72.25841



Staffordville Reservoir, Stafford Springs

Transect Data

Survey by Robert Capers and Brandon Russell

Surveyor	Depth	Substrate	Weather	Wind Direction	Transect	Points	Meters from Shore	Notes	<i>Brasenia schreberi</i> *	<i>Elatine minima</i>	<i>Eleocharis acicularis</i>	<i>Elodea nuttallii</i>	<i>Eriocaulon aquaticum</i>	<i>Gratiola aurea</i>	<i>Najas flexilis</i>	<i>Najas gracillima</i>	<i>Nuphar variegata</i>	<i>Nymphaea odorata</i>	<i>Pontederia cordata</i>	<i>Potamogeton pusillus</i>	<i>Potamogeton epiphydrus</i>	<i>Potamogeton natans</i>	<i>Proserpenaca palustris</i>	<i>Sagittaria sp.</i>	<i>Sparganium sp.</i>	<i>Utricularia geminiscapa</i>	<i>Utricularia gibba</i>	<i>Utricularia purpurea</i>	<i>Utricularia radiata</i>	<i>Utricularia vulgaris</i>	<i>Vallisneria americana</i>	Date	Latitude**	Longitude			
Robert Capers	0		Cloudy	North	10	9	70		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	42.00117	-72.25828		
Robert Capers	0		Cloudy	North	10	10	80		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	42.00117	-72.25812	
Robert Capers	0.3	Grave	Cloudy	North	11	1	0		0	3	3	0	2	2	0	0	0	0	0	2	0	0	0	0	3	0	0	0	0	0	0	0	0	8/15/2005	41.99753	-72.25935	
Robert Capers	0.5	Grave	Cloudy	North	11	2	5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	41.99749	-72.25931	
Robert Capers	1.7	Silt	Cloudy	North	11	3	10	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	41.99751	-72.25926	
Robert Capers	0		Cloudy	North	11	4	20	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	41.99746	-72.25908
Robert Capers	0		Cloudy	North	11	5	30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	41.99748	-72.25898
Robert Capers	0		Cloudy	North	11	6	40		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	41.99749	-72.25886
Robert Capers	0		Cloudy	North	11	7	50		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	41.99752	-72.25873
Robert Capers	0		Cloudy	North	11	8	60		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	41.99751	-72.25862
Robert Capers	0		Cloudy	North	11	9	70		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	41.99753	-72.25851
Robert Capers	0		Cloudy	North	11	10	80		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	41.99752	-72.25839
Robert Capers	0.4	Grave	Cloudy	North	12	1	0	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	41.99378	-72.25661
Robert Capers	1	Sand	Cloudy	North	12	2	5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	8/15/2005	41.99382	-72.25660	
Robert Capers	1.5	Grave	Cloudy	North	12	3	10		0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	2	3	0	0	0	0	8/15/2005	41.99384	-72.25663	
Robert Capers	3		Cloudy	North	12	4	20		0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	8/15/2005	41.99395	-72.25661	
Robert Capers	3		Cloudy	North	12	5	30		0	0	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	8/15/2005	41.99405	-72.25666	
Robert Capers	3	Silt	Cloudy	North	12	6	40		0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	3	0	0	0	0	0	0	8/15/2005	41.99414	-72.25654	



Staffordville Reservoir, Stafford Springs

Transect Data

Survey by Robert Capers and Brandon Russell

Surveyor	Depth	Substrate	Weather	Wind Direction	Transect	Points	Meters from Shore	Notes	<i>Brasenia schreberi</i> *	<i>Elatine minima</i>	<i>Eleocharis acicularis</i>	<i>Elodea nuttallii</i>	<i>Eriocaulon aquaticum</i>	<i>Gratiola aurea</i>	<i>Najas flexilis</i>	<i>Najas gracillima</i>	<i>Nuphar variegata</i>	<i>Nymphaea odorata</i>	<i>Pontederia cordata</i>	<i>Potamogeton pusillus</i>	<i>Potamogeton epiphydrus</i>	<i>Potamogeton natans</i>	<i>Proserpenaca palustris</i>	<i>Sagittaria sp.</i>	<i>Sparganium sp.</i>	<i>Utricularia geminiscapa</i>	<i>Utricularia gibba</i>	<i>Utricularia purpurea</i>	<i>Utricularia radiata</i>	<i>Utricularia vulgaris</i>	<i>Vallisneria americana</i>	Date	Latitude**	Longitude		
Robert Capers	3	Silt	Cloudy	North	12	7	50		0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	41.99424	-72.25657	
Robert Capers	2.8	Silt	Cloudy	North	12	8	60		0	0	0	2	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	41.99433	-72.25661
Robert Capers	2.8	Silt	Cloudy	North	12	9	70		0	0	0	2	0	0	0	0	0	0	0	4	0	0	0	2	0	0	0	2	0	0	0	0	8/15/2005	41.99443	-72.25652	
Robert Capers	2.5	Silt	Cloudy	North	12	10	80	Chara	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	41.99450	-72.25661
Robert Capers	0.3	Grave	Cloudy	North	13	1	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	8/15/2005	41.99865	-72.25533	
Robert Capers	1.3	Silt	Cloudy	North	13	2	5		0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	41.99868	-72.25538
Robert Capers	1.9	Silt	Cloudy	North	13	3	10	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	8/15/2005	41.99865	-72.25547	
Robert Capers	2.9	Silt	Cloudy	North	13	4	20		0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	3	3	0	0	0	8/15/2005	41.99866	-72.25557	
Robert Capers	2.5	Sand	Cloudy	North	13	5	30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	8/15/2005	41.99872	-72.25571	
Robert Capers	3.8	Sand	Cloudy	North	13	6	40		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	8/15/2005	41.99867	-72.25584	
Robert Capers	0		Cloudy	North	13	7	50		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	41.99866	-72.25599	
Robert Capers	0		Cloudy	North	13	8	60		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	8/15/2005	41.99857	-72.25601	
Robert Capers	0		Cloudy	North	13	9	70		0	0	0	1	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	41.99863	-72.25619	
Robert Capers	0		Cloudy	North	13	10	80		0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	41.99852	-72.25632	
Robert Capers	0.3	Rock	Cloudy	North	14	1	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	8/15/2005	42.00327	-72.25611	
Robert Capers	2	Sand	Cloudy	North	14	2	5	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	42.00329	-72.25618	
Robert Capers	2.7		Cloudy	North	14	3	10		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	8/15/2005	42.00325	-72.25624		
Robert Capers	0		Cloudy	North	14	4	20		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	42.00325	-72.25637	



Staffordville Reservoir, Stafford Springs

Transect Data

Survey by Robert Capers and Brandon Russell

Surveyor	Depth	Substrate	Weather	Wind Direction	Transect	Points	Meters from Shore	Notes	<i>Brasenia schreberi</i> *	<i>Elatine minima</i>	<i>Eleocharis acicularis</i>	<i>Elodea nuttallii</i>	<i>Eriocaulon aquaticum</i>	<i>Gratiola aurea</i>	<i>Najas flexilis</i>	<i>Najas gracillima</i>	<i>Nuphar variegata</i>	<i>Nymphaea odorata</i>	<i>Pontederia cordata</i>	<i>Potamogeton pusillus</i>	<i>Potamogeton epiphydrus</i>	<i>Potamogeton natans</i>	<i>Proserpenaca palustris</i>	<i>Sagittaria sp.</i>	<i>Sparganium sp.</i>	<i>Utricularia geminiscapa</i>	<i>Utricularia gibba</i>	<i>Utricularia purpurea</i>	<i>Utricularia radiata</i>	<i>Utricularia vulgaris</i>	<i>Vallisneria americana</i>	Date	Latitude**	Longitude		
Robert Capers	0		Cloudy	North	14	5	30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	42.00318	-72.25642	
Robert Capers	0		Cloudy	North	14	6	40		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	42.00318	-72.25661
Robert Capers	0		Cloudy	North	14	7	50		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	42.00313	-72.25667
Robert Capers	0		Cloudy	North	14	8	60		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	42.00320	-72.25687
Robert Capers	0		Cloudy	North	14	9	70		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	42.00316	-72.25698
Robert Capers	0		Cloudy	North	14	10	80		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	42.00308	-72.25712
Robert Capers	0.3	Grave	Cloudy	North	15	1	0		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	8/15/2005	42.00852	-72.25532	
Robert Capers	1.8	Grave	Cloudy	North	15	2	5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	42.00853	-72.25540
Robert Capers	2.3	Silt	Cloudy	North	15	3	10		0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	42.00856	-72.25543
Robert Capers	3	Silt	Cloudy	North	15	4	20	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	8/15/2005	42.00860	-72.25556	
Robert Capers	3.7	Silt	Cloudy	North	15	5	30	Chara	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3	0	0	0	8/15/2005	42.00857	-72.25570	
Robert Capers	3.9	Silt	Cloudy	North	15	6	40	Chara	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	8/15/2005	42.00864	-72.25581	
Robert Capers	4.1		Cloudy	North	15	7	50	Chara	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	42.00862	-72.25592
Robert Capers	0		Cloudy	North	15	8	60		0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	42.00860	-72.25606
Robert Capers	0		Cloudy	North	15	9	70		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	42.00870	-72.25617
Robert Capers	0		Cloudy	North	15	10	80		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8/15/2005	42.00859	-72.25626

