

## Lake Lillinonah Bridgewater, Brookfield, New Milford, Newtown, Roxbury and Southbury 1547 Acres

Surveyed July 30, 2009 to August 24, 2009  
by Annette Russell, Rachel Soufrine  
and Martha Balfour  
Transect data collected August 16 and 17, 2010  
by Mark June-Wells, Julius Pasay, and Jennifer  
Fanzutti

### Legend

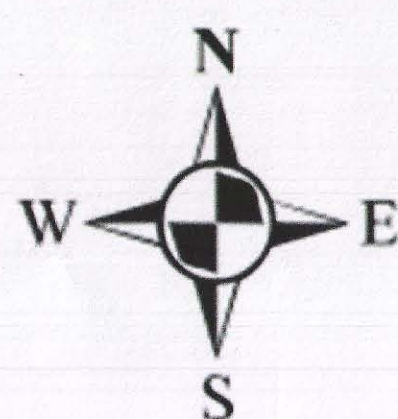
- ★ Water Sample Site
- Transect Point
- Invasive Plant Point**
- *Myriophyllum spicatum*
- *Potamogeton crispus*

### Invasive Patch

**Abundance Scale 1 = sparse - 5 = dense**

- *Myriophyllum spicatum* = 2
- *Myriophyllum spicatum* = 3
- *Myriophyllum spicatum* = 4
- *Najas minor* = 2
- *Najas minor* = 3

0.6 0.3 0 0.6 Miles



(Map Scale 1:14,000; Landsat 2010 Imagery)

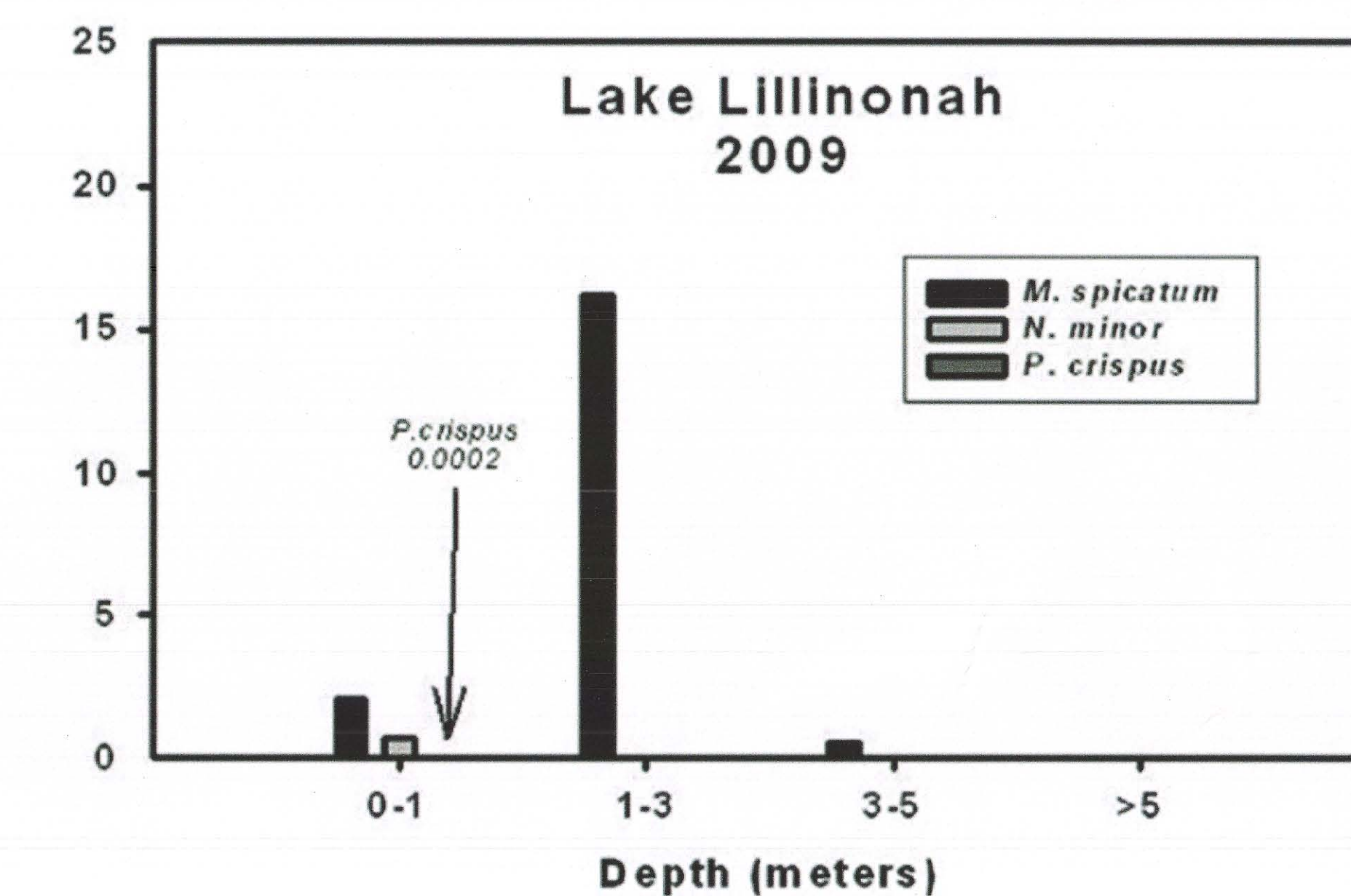
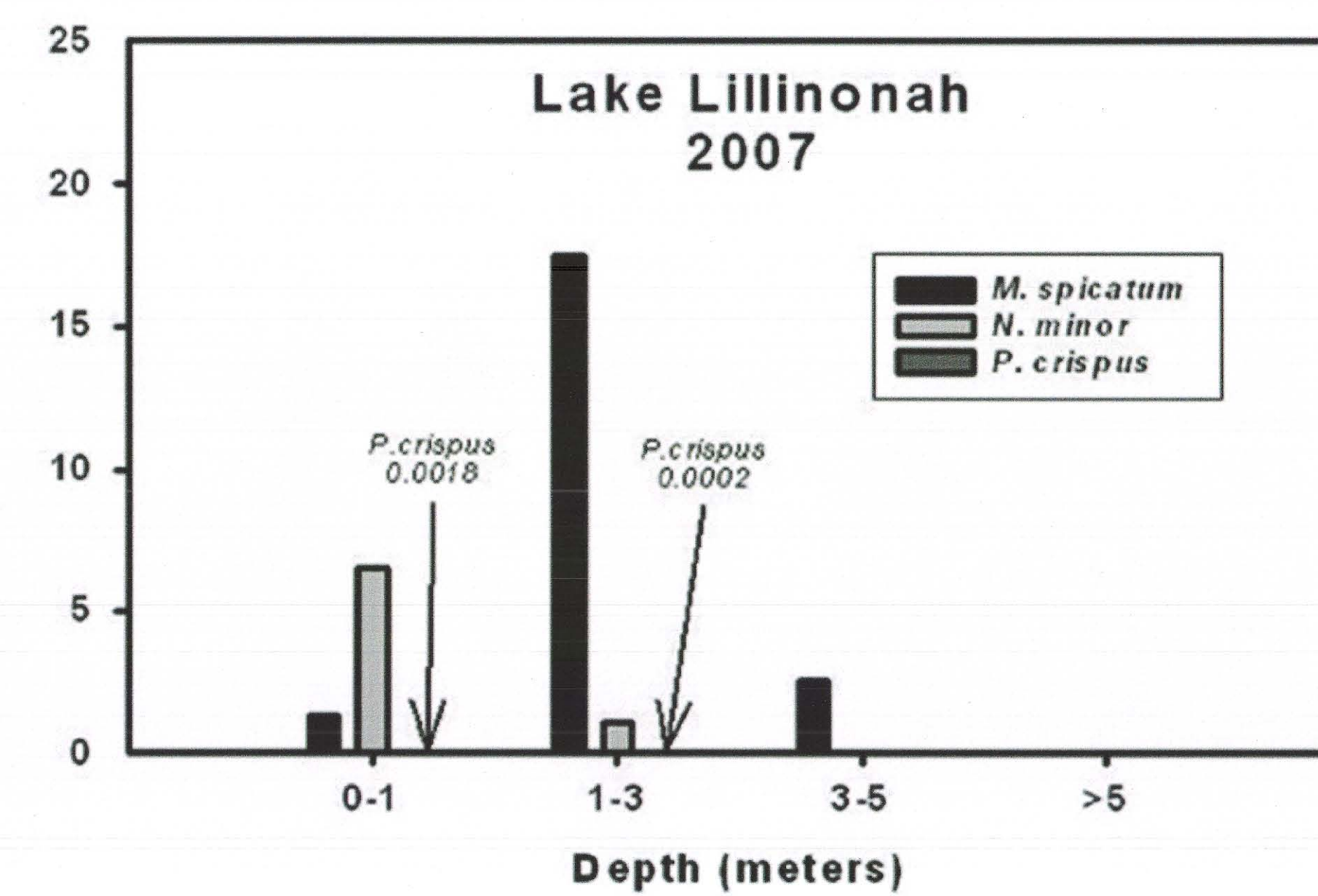
Yearly comparisons of frequency of occurrence and total area of aquatic vegetation in Lake Lillinonah

Scientific Name	Common Name	Abbrev.	Frequency of Occurrence (percent**)			Area (acres)	
			2007	2009	2010	2007	2009
<i>Callitriche</i> sp.	Water starwort	CalSp.	1.0	0.0	0.00	ND***	ND
<i>Ceratophyllum demersum</i>	Coontail	CerDem	0.0	1.0	3.03	ND	ND
<i>Elatine</i> sp.	Waterwort	ElaSp	0.0	0.0	2.02	ND	ND
<i>Eleocharis</i> sp.	Spikerush	EleSp	2.0	4.0	4.04	ND	ND
<i>Elodea nuttallii</i>	Waterweed	EloNut	0.0	0.0	0.00	ND	ND
<i>Eriocaulon aquaticum</i>	Sevenangel pipewort	EriAqu	0.0	1.0	2.02	ND	ND
<i>Isoetes</i> species	Quillwort	IsoSp	0.0	0.0	0.00	ND	ND
<i>Gratiola aurea</i>	Golden hedge-hyssop	GraAur	0.0	0.6	0.00	ND	ND
<i>Lemna minor</i>	Duckweed	LemMin	0.0	1.0	0.00	ND	ND
<b><i>Myriophyllum spicatum</i></b>	<b>Eurasian watermilfoil</b>	<b>MyrSpi</b>	<b>16.0</b>	<b>15.0</b>	<b>25.25</b>	<b>21.3</b>	<b>18.8</b>
<i>Najas minor</i>	Brittle waterlily	NajMin	14.0	6.0	5.05	7.6	0.7
<i>Potamogeton bicupulatus</i>	Snailseed pondweed	PotBic	0.0	3.0	0.00	ND	ND
<b><i>Potamogeton crispus</i></b>	<b>Curly leaf pondweed</b>	<b>PotCri</b>	<b>3.0</b>	<b>0.0</b>	<b>1.01</b>	<b>0.1</b>	<b>0.0002</b>
<i>Potamogeton foliosus</i>	Leafy pondweed	PotFol	0.0	0.0	4.04	ND	ND
<i>Potamogeton illinoensis</i>	Illinois pondweed	PotIll	2.0	2.0	0.00	ND	ND
<i>Potamogeton pusillus</i>	Small Pondweed	PotPus	0.0	0.0	1.01	ND	ND
<i>Sagittaria</i> sp.	Arrowhead	SagSp.	0.0	0.0	1.01	ND	ND
<i>Sparganium</i> sp.	Bur reed	SpaSp	0.0	0.0	0.00	ND	ND
<i>Stuckinia pectinatus</i>	Sago pondweed	StuPec	0.0	0.0	0.00	ND	ND
<i>Zannichellia palustris</i>	Horned pondweed	ZanPal	1.0	0.0	4.00	ND	ND
<i>Zosterella dubia</i>	Water stargrass	ZosDub	4.0	0.0	0.00	ND	ND

### Invasive plant

\*\* Percent occurrence on 99 points in 10 transects

\*\*\* Not Determined



Depth preferences of invasive plants in Lake Lillinonah in 2007 and 2009.