

MRBP ANS/Boater Surveys

A summary of
results of completed
surveys

Steve Schainost, Chair
Outreach and Education Committee
MRBP “Annual” meeting
Little Rock, Arkansas
May 2011

Seven surveys have been done

- Kansas - 2007 - postal survey
- Montana - 2007 - postal survey
- Indiana - 2008 - electronic Internet survey
- Oklahoma - 2008 - postal survey?
- Illinois - 2009 - postal survey
- Wisconsin - 2009 - phone survey
- Missouri - 2010 - postal survey

Problems

- Communication (person setting up survey needs direct contact with MRBP)
- NIH - “This survey (question) will not work in our.“
- Everybody tweaks the questions and it is difficult to shoehorn the answers back into the original format

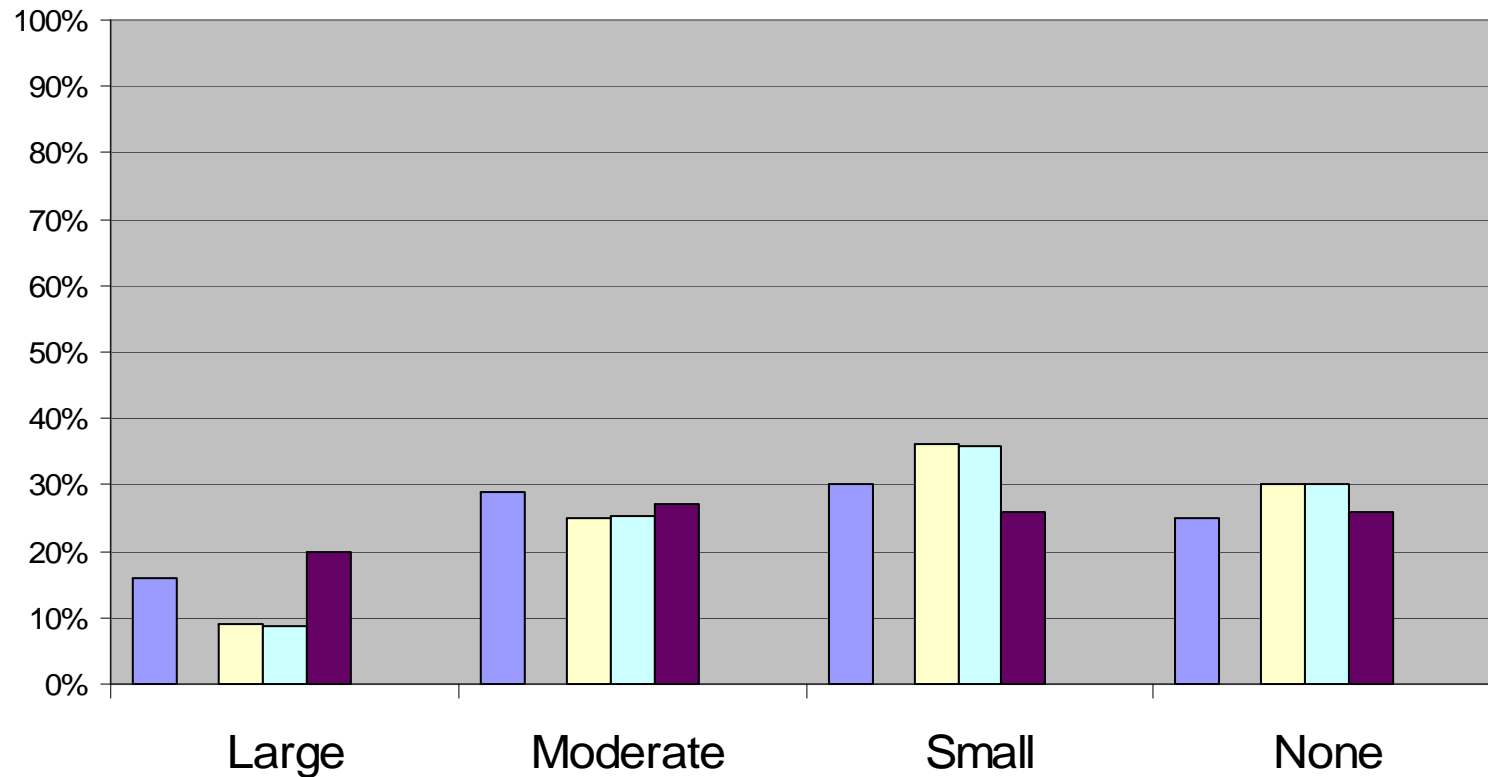
Question 1

AQUATIC NUISANCE SPECIES are plants or animals that enter places where they have NOT always lived. They can be harmful to fish and wildlife and to commercial and recreational water uses. How much information have you heard or read about each of the AQUATIC NUISANCE SPECIES listed below?

**List of aquatic nuisance species used by each state in Question 1,
"How much information have you heard or read about each of the
aquatic nuisance species listed below?"**

	IL	IN	KS	MO	MT	OK	WI
Fish							
Asian carp							
Round goby							
Northern snakehead							
White perch							
Plants							
Eurasian watermilfoil							
Purple Loosestrife							
Golden alga							
Hydrilla							
Brazilian elodea							
Water hyacinth							
Crayfish							
Rusty crayfish							
Mollusks							
Chinese mystery snail							
Zebra mussels/quagga mussels							
Disease							
Viral Hemorrhagic Septicemia							
Other							
Aquatic Invasive Species or AIS?							

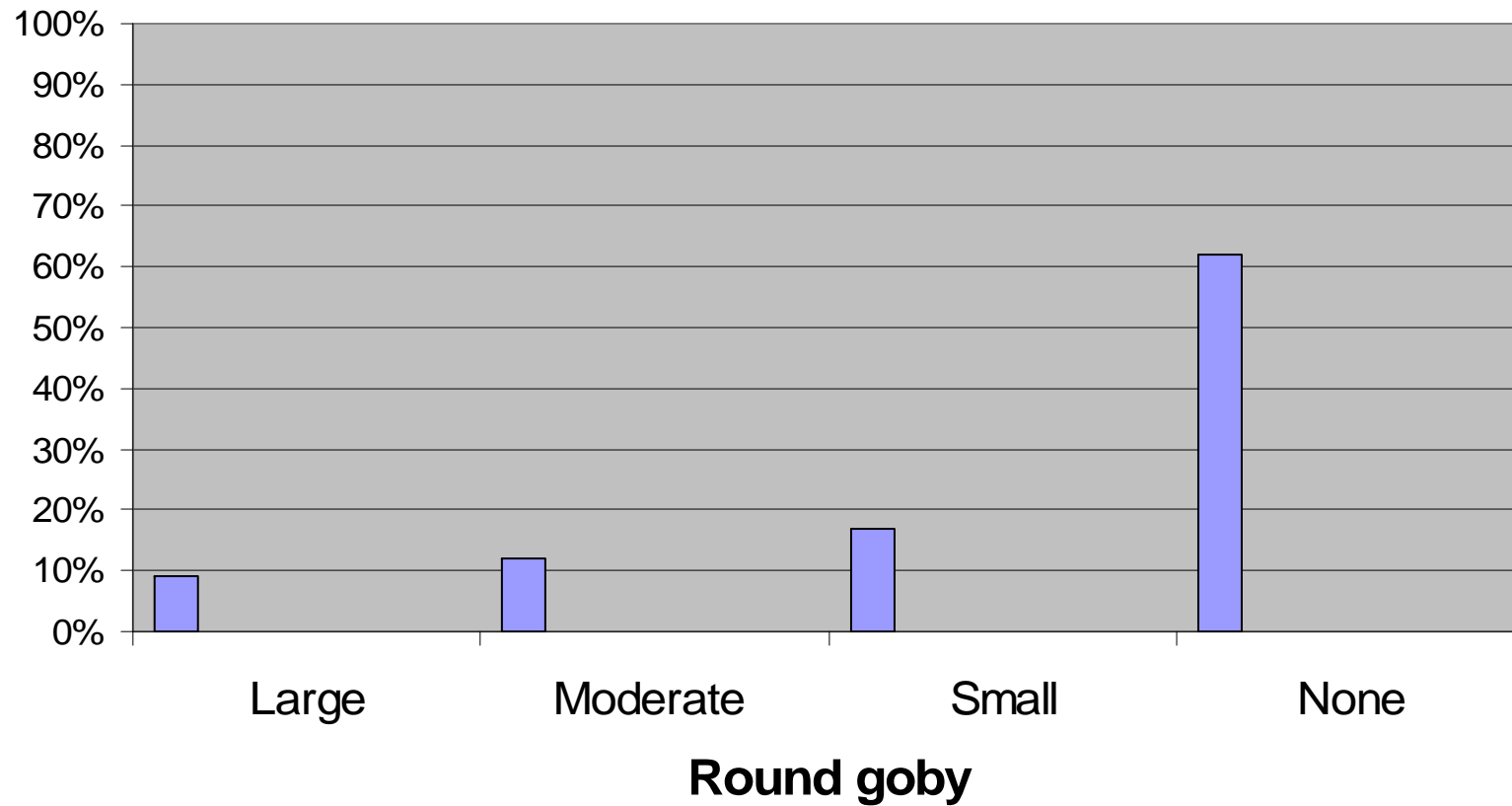
Q1. How much information have you heard or read about...



Asian carp

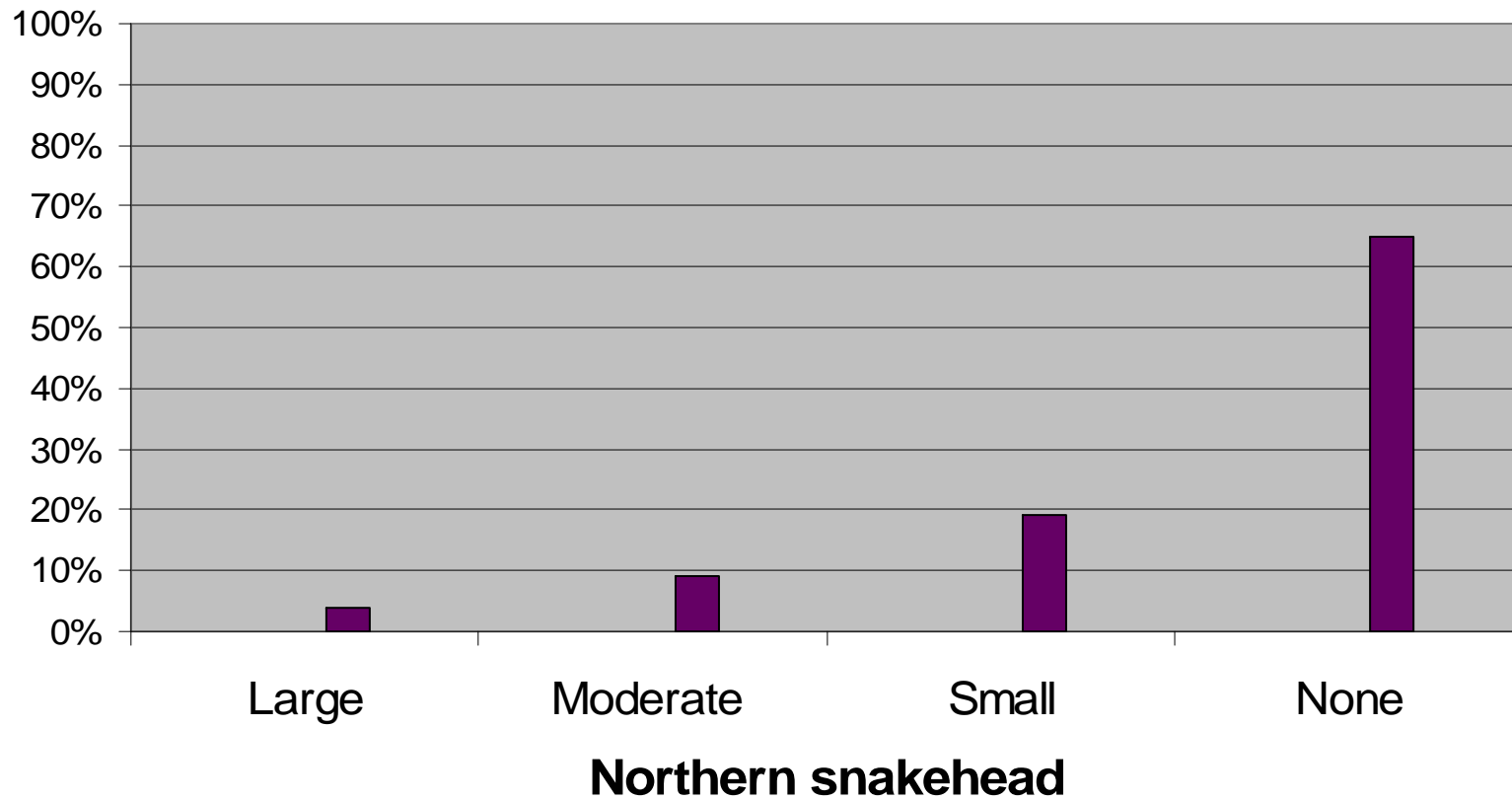
Legend: Indiana (light blue), Illinois (maroon), Oklahoma (yellow), Kansas (cyan), Missouri (dark purple), Wisconsin (red), Montana (dark blue)

Q1. How much information have you heard or read about...



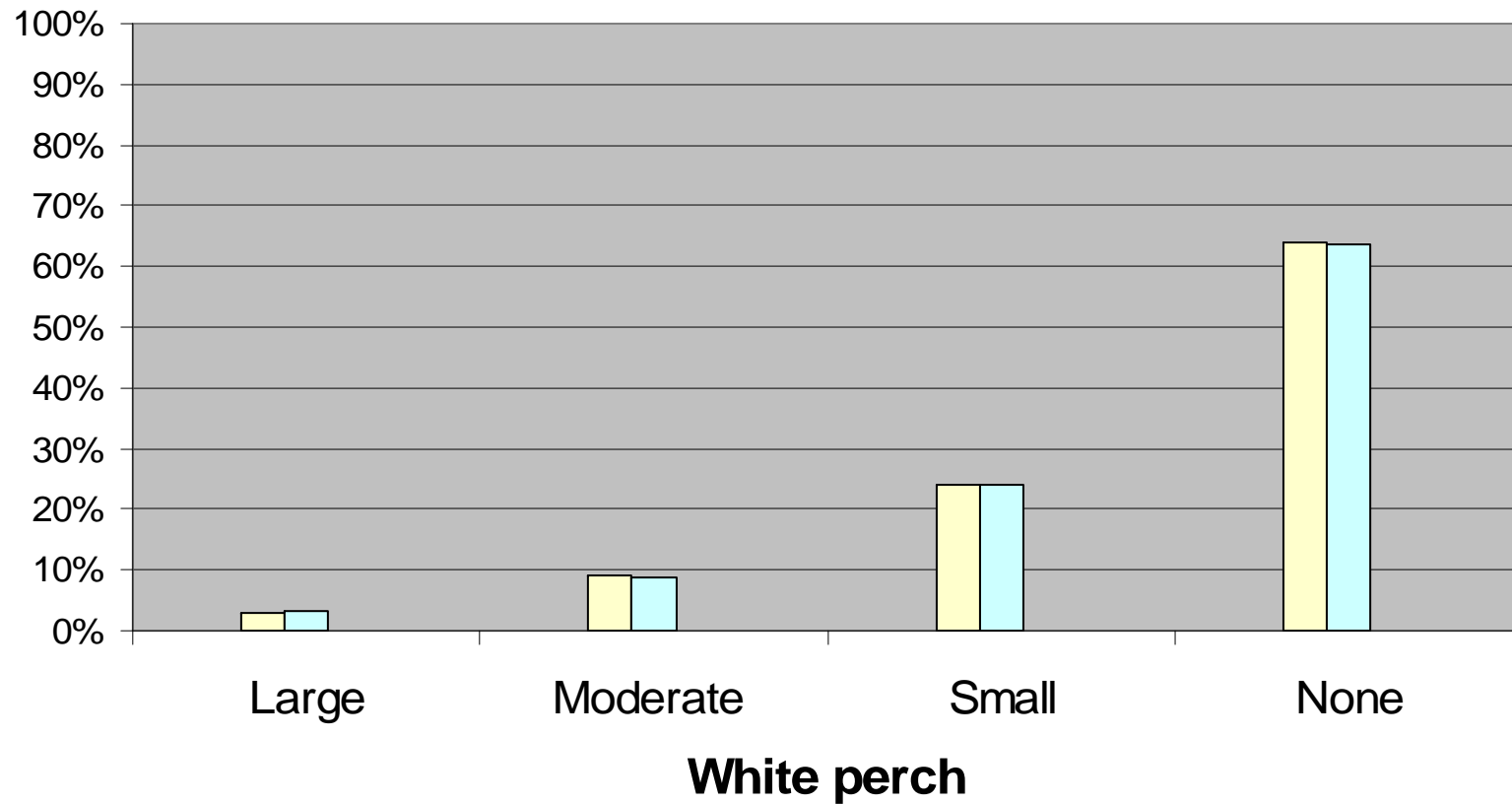
■ Indiana ■ Illinois ■ Oklahoma ■ Kansas ■ Missouri ■ Wisconsin ■ Montana

Q1. How much information have you heard or read about...



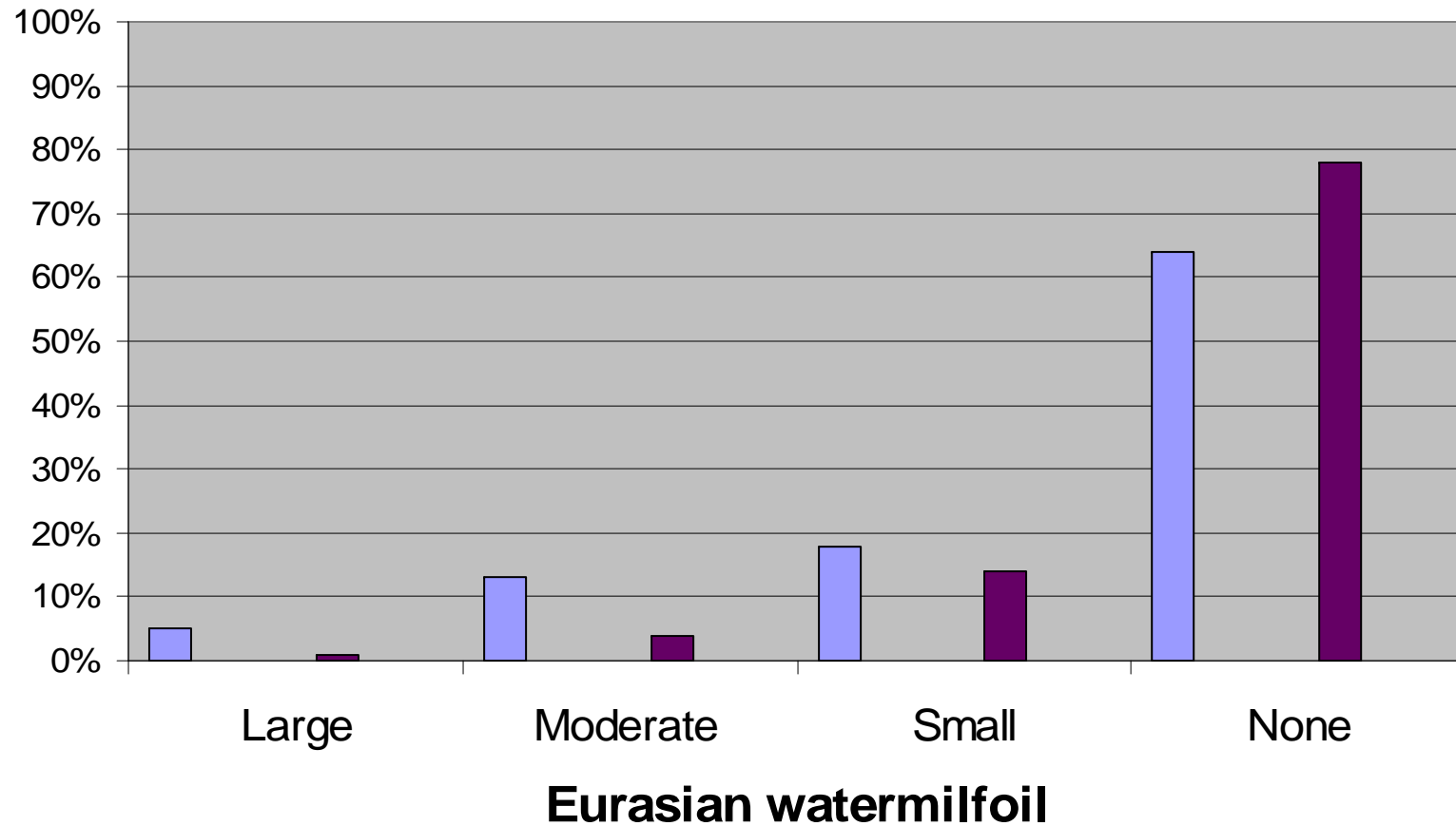
Legend: Indiana (light blue), Illinois (maroon), Oklahoma (yellow), Kansas (light cyan), Missouri (purple), Wisconsin (light red), Montana (blue)

Q1. How much information have you heard or read about...



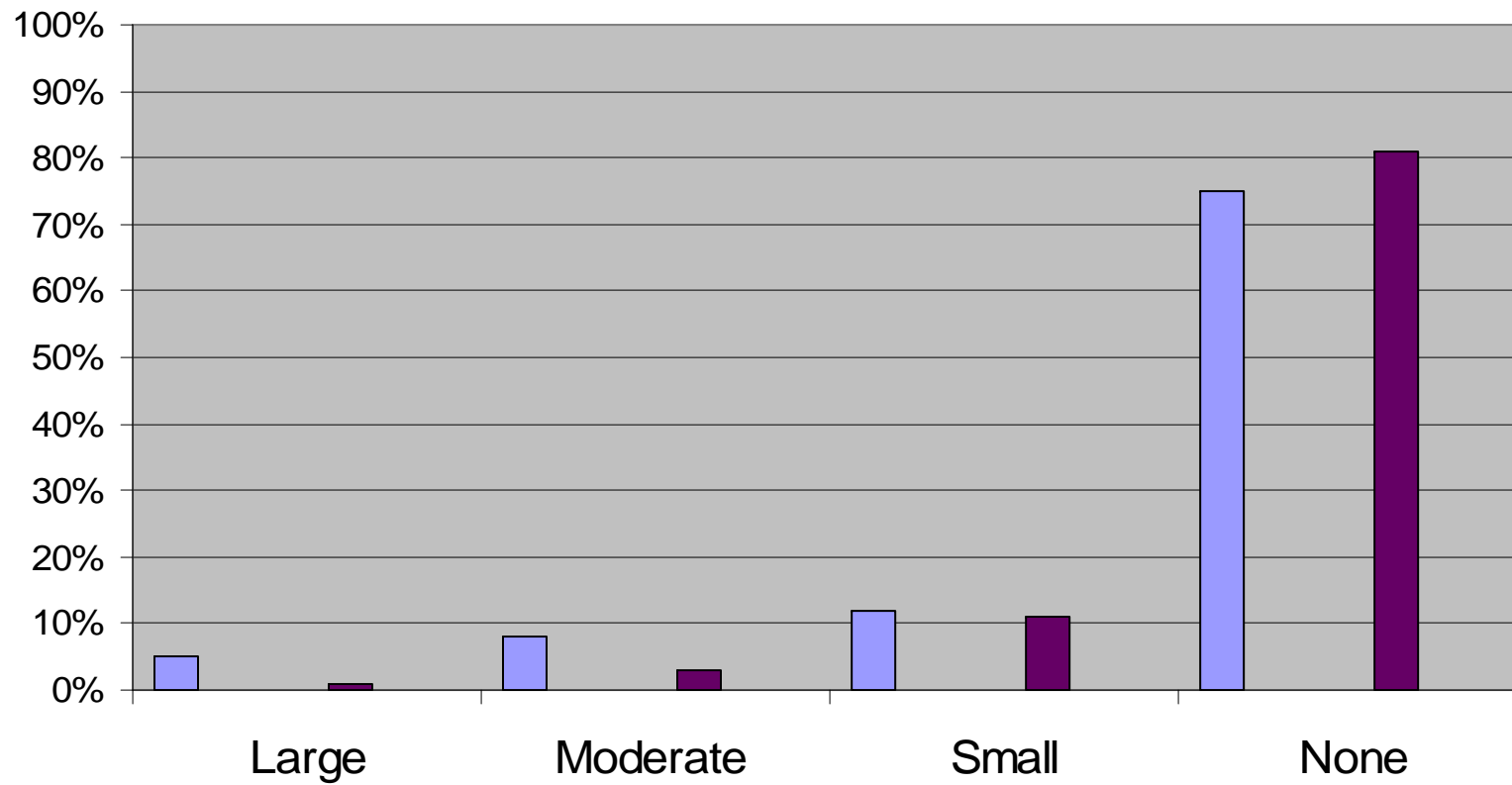
Legend: Indiana (blue), Illinois (maroon), Oklahoma (yellow), Kansas (cyan), Missouri (purple), Wisconsin (red), Montana (dark blue)

Q1. How much information have you heard or read about...



Legend: Indiana (light blue), Illinois (maroon), Oklahoma (yellow), Kansas (light blue), Missouri (dark purple), Wisconsin (red), Montana (blue)

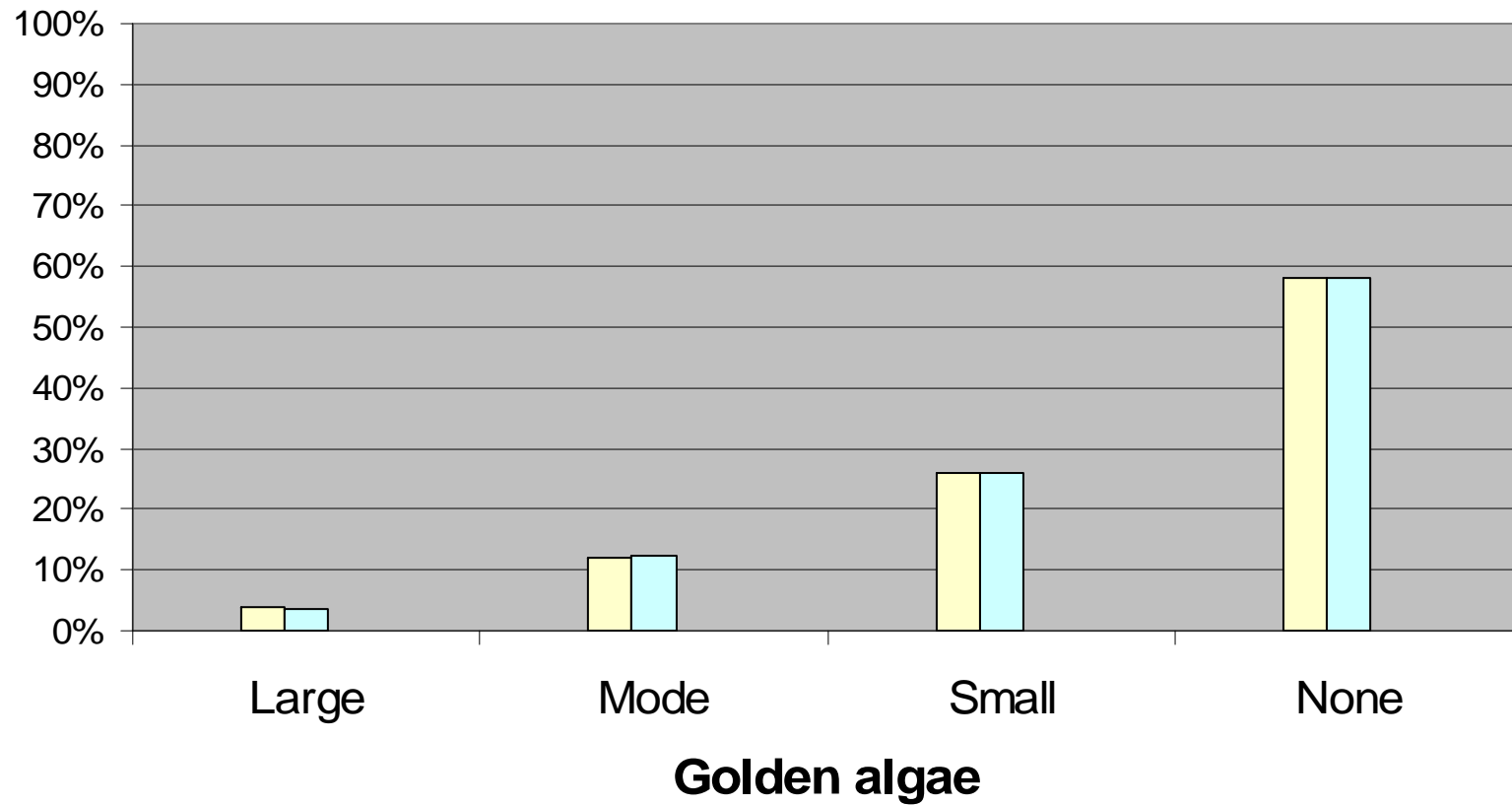
Q1. How much information have you heard or read about...



Purple loosestrife

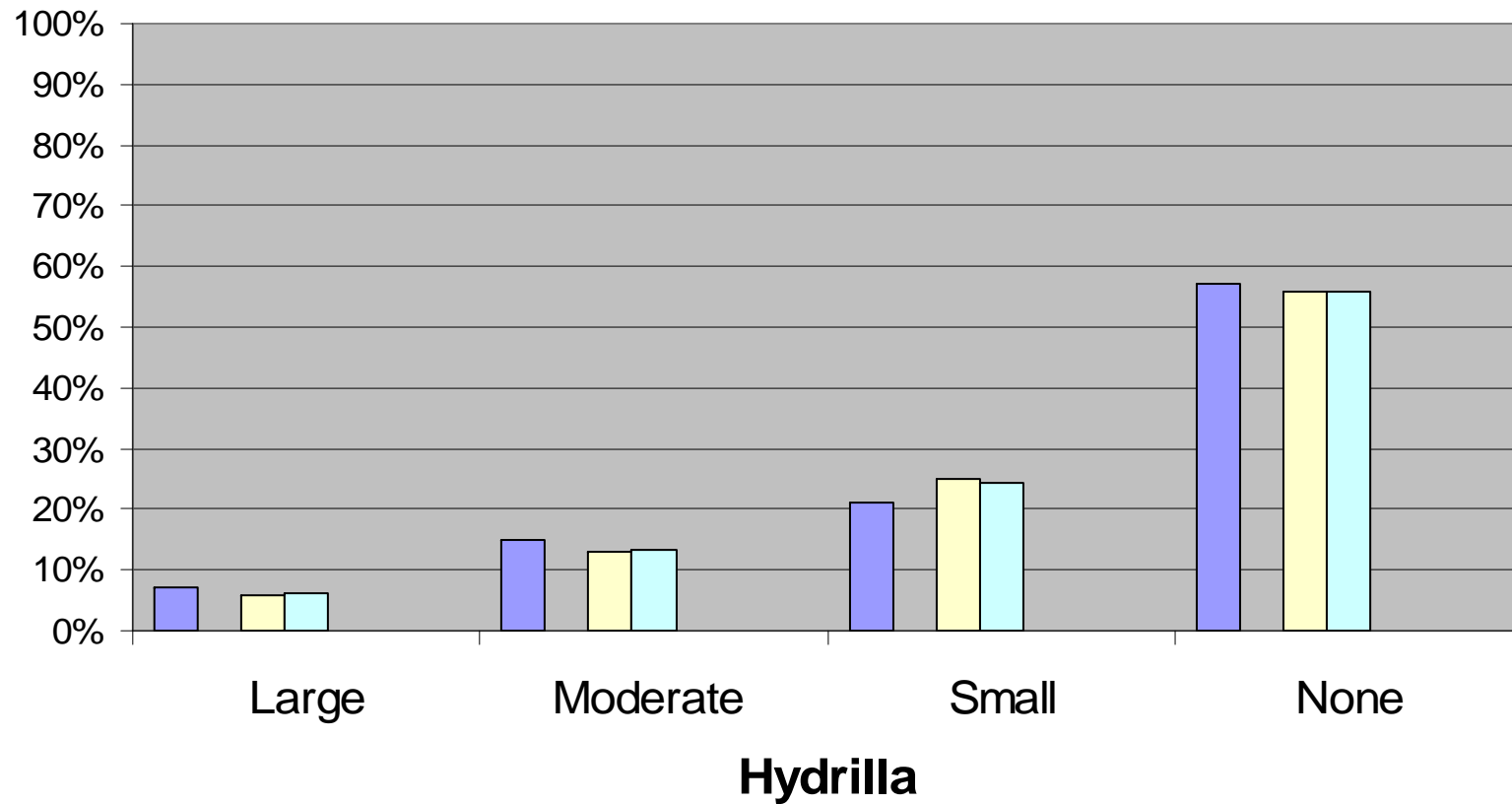
Legend: Indiana (light blue), Illinois (dark red), Oklahoma (yellow), Kansas (light blue), Missouri (dark purple), Wisconsin (red), Montana (blue)

Q1. How much information have you heard or read about...



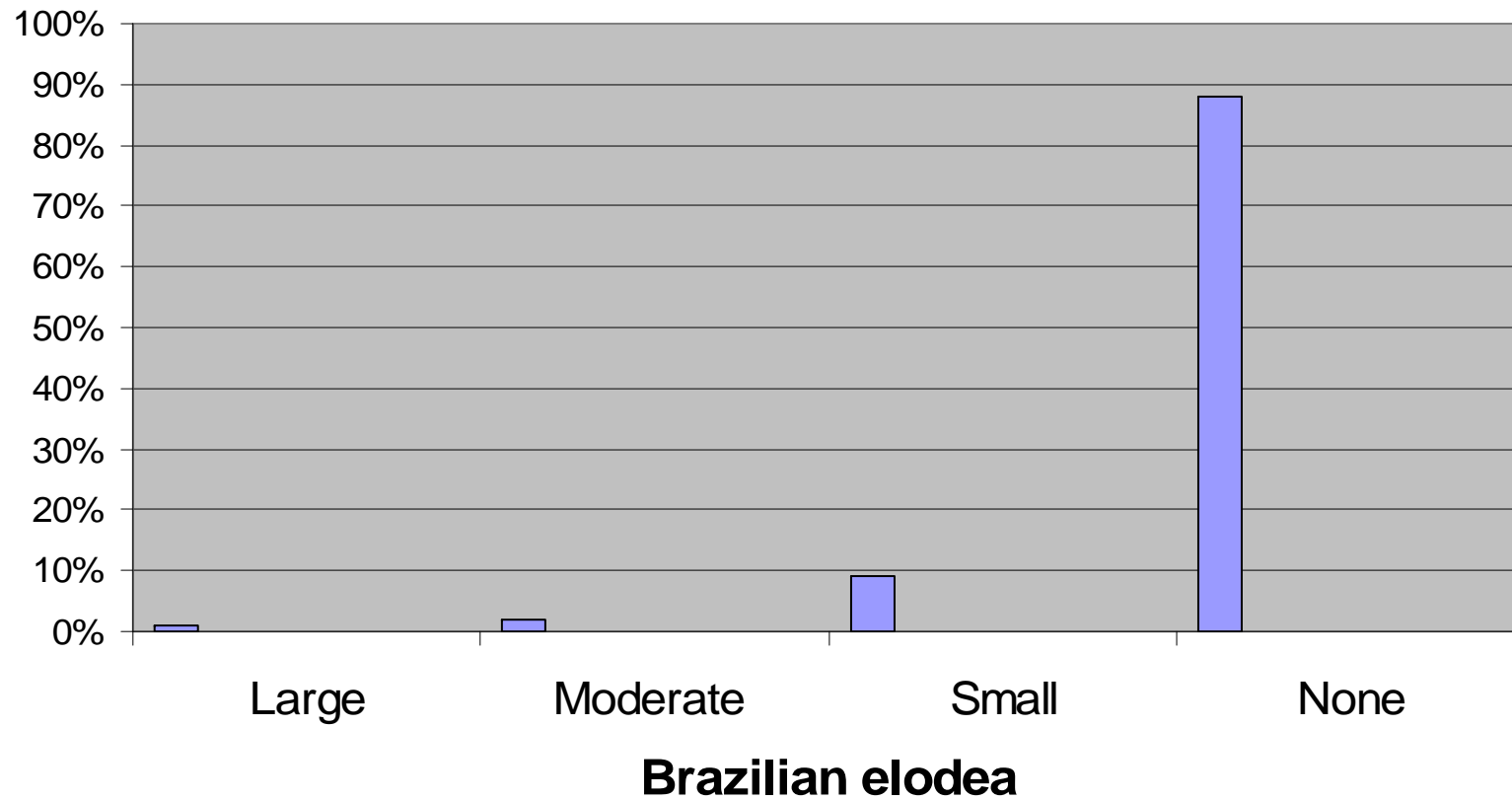
Legend: Indiana (blue), Illinois (maroon), Oklahoma (yellow), Kansas (cyan), Missouri (purple), Wisconsin (red), Montana (dark blue)

Q1. How much information have you heard or read about...



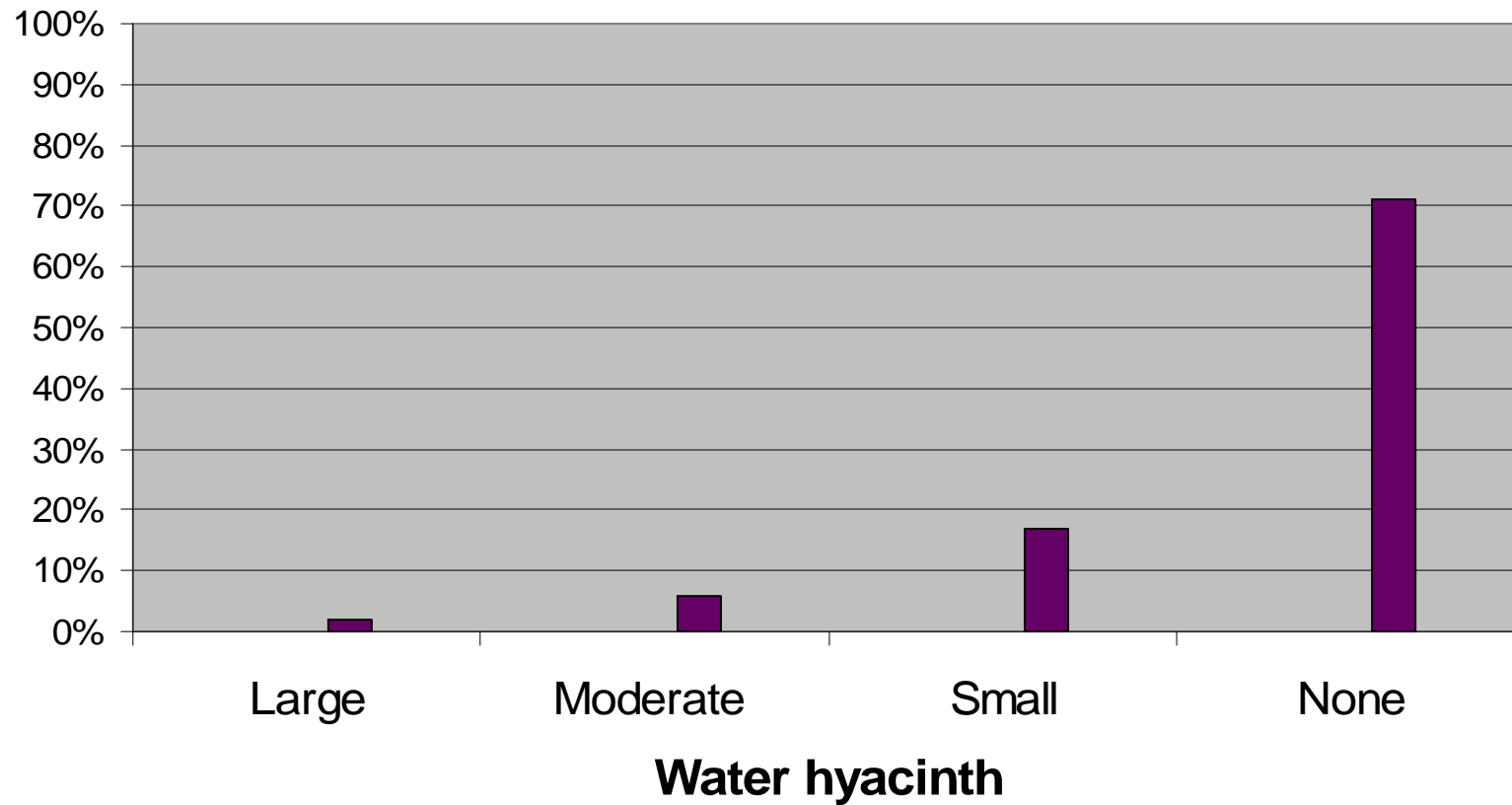
Legend: Indiana (blue), Illinois (maroon), Oklahoma (yellow), Kansas (cyan), Missouri (purple), Wisconsin (red), Montana (dark blue)

Q1. How much information have you heard or read about...



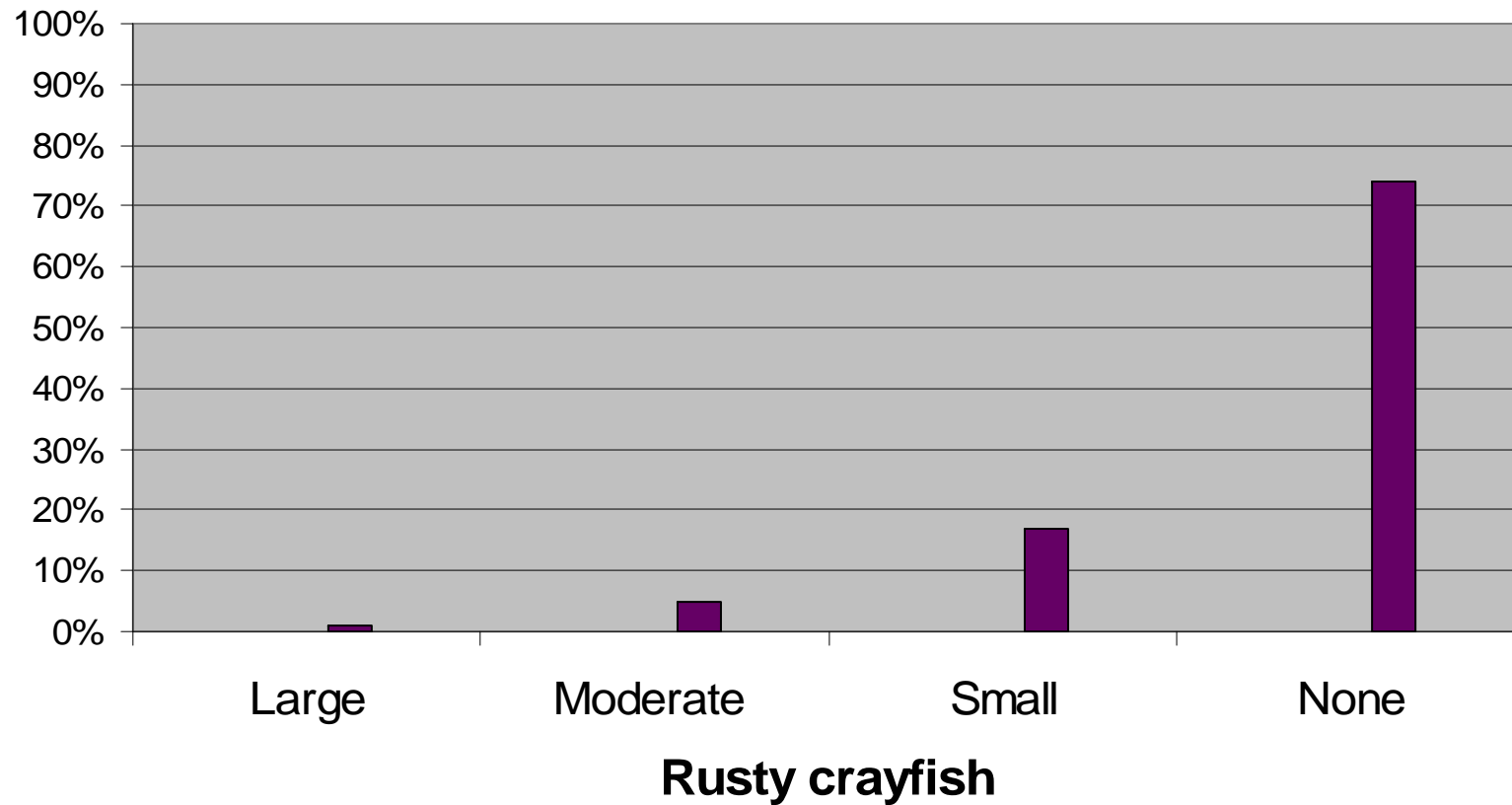
■ Indiana ■ Illinois ■ Oklahoma ■ Kansas ■ Missouri ■ Wisconsin ■ Montana

Q1. How much information have you heard or read about...



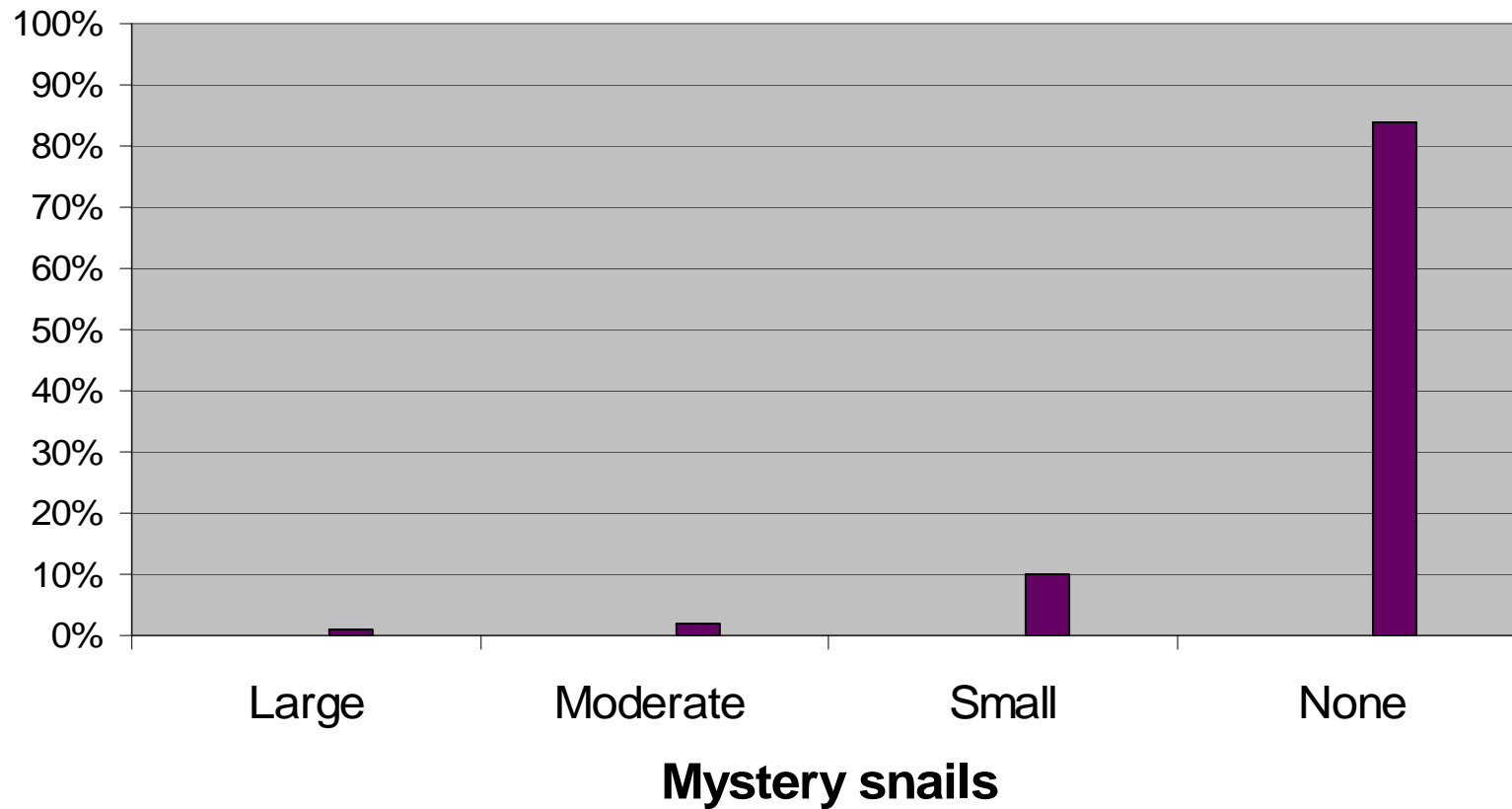
Legend: Indiana (light blue), Illinois (maroon), Oklahoma (yellow), Kansas (light cyan), Missouri (purple), Wisconsin (light red), Montana (blue)

Q1. How much information have you heard or read about...



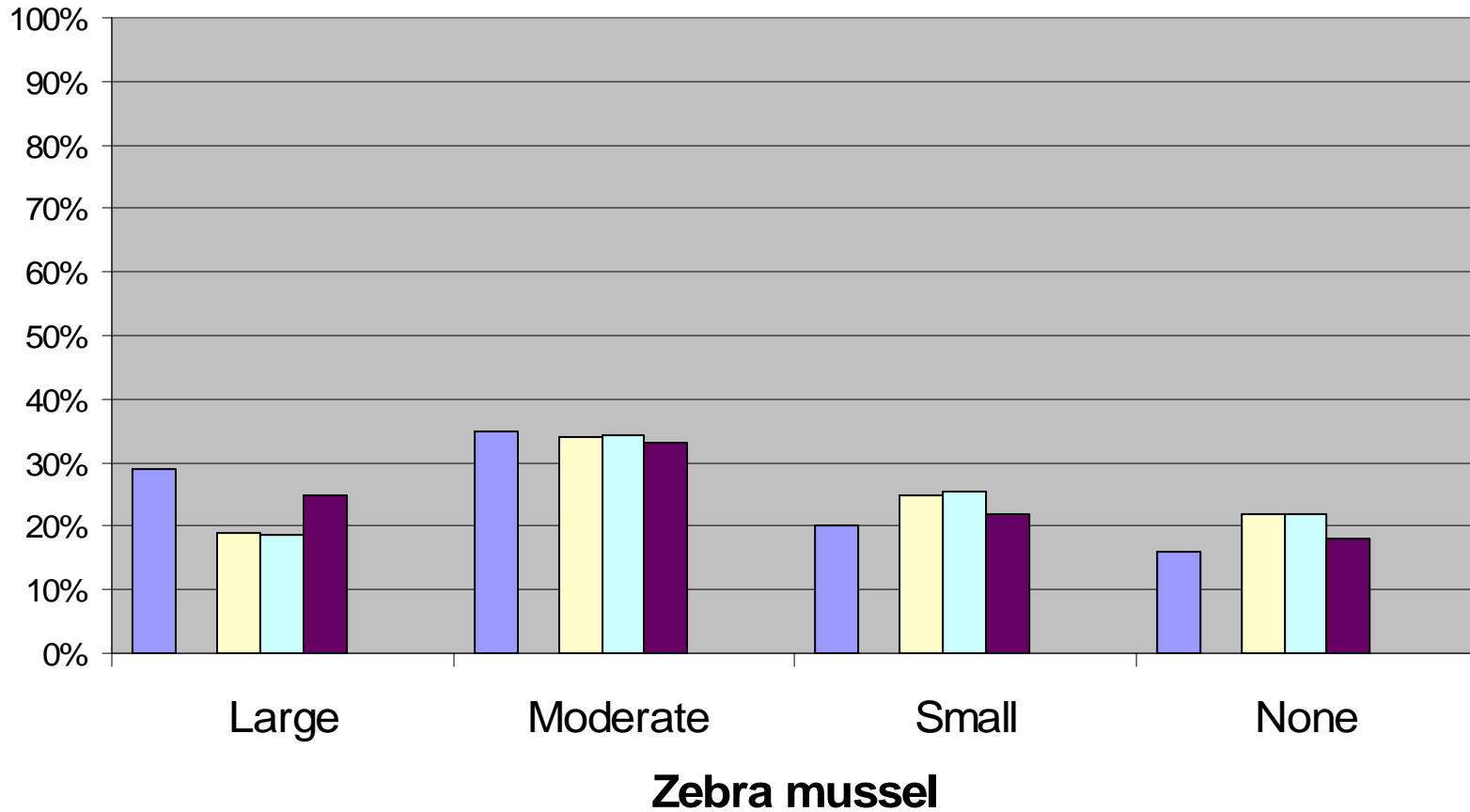
Legend: Indiana (light blue), Illinois (maroon), Oklahoma (yellow), Kansas (light cyan), Missouri (purple), Wisconsin (light red), Montana (blue)

Q1. How much information have you heard or read about...



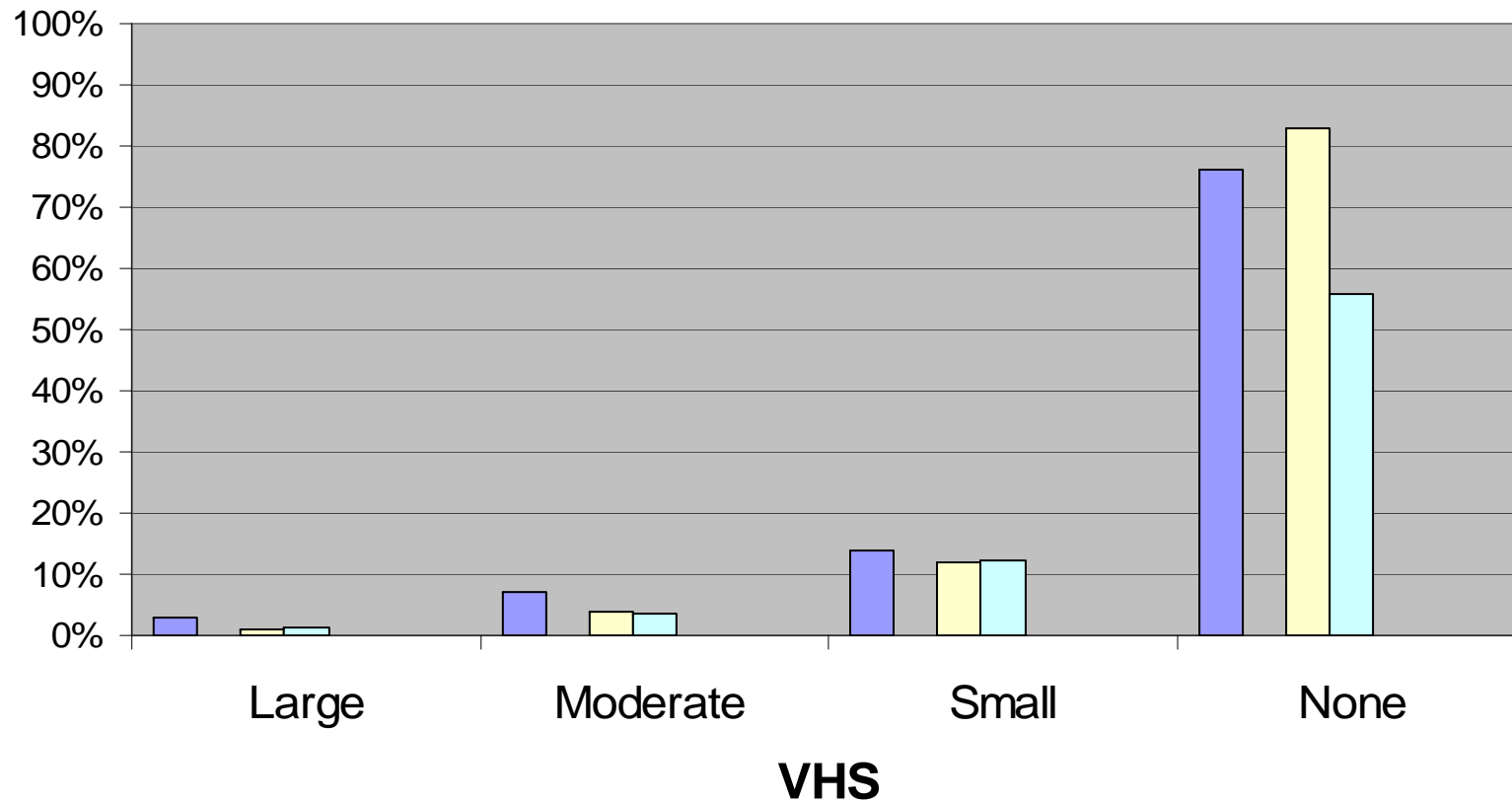
■ Indiana ■ Illinois ■ Oklahoma ■ Kansas ■ Missouri ■ Wisconsin ■ Montana

Q1. How much information have you heard or read about...



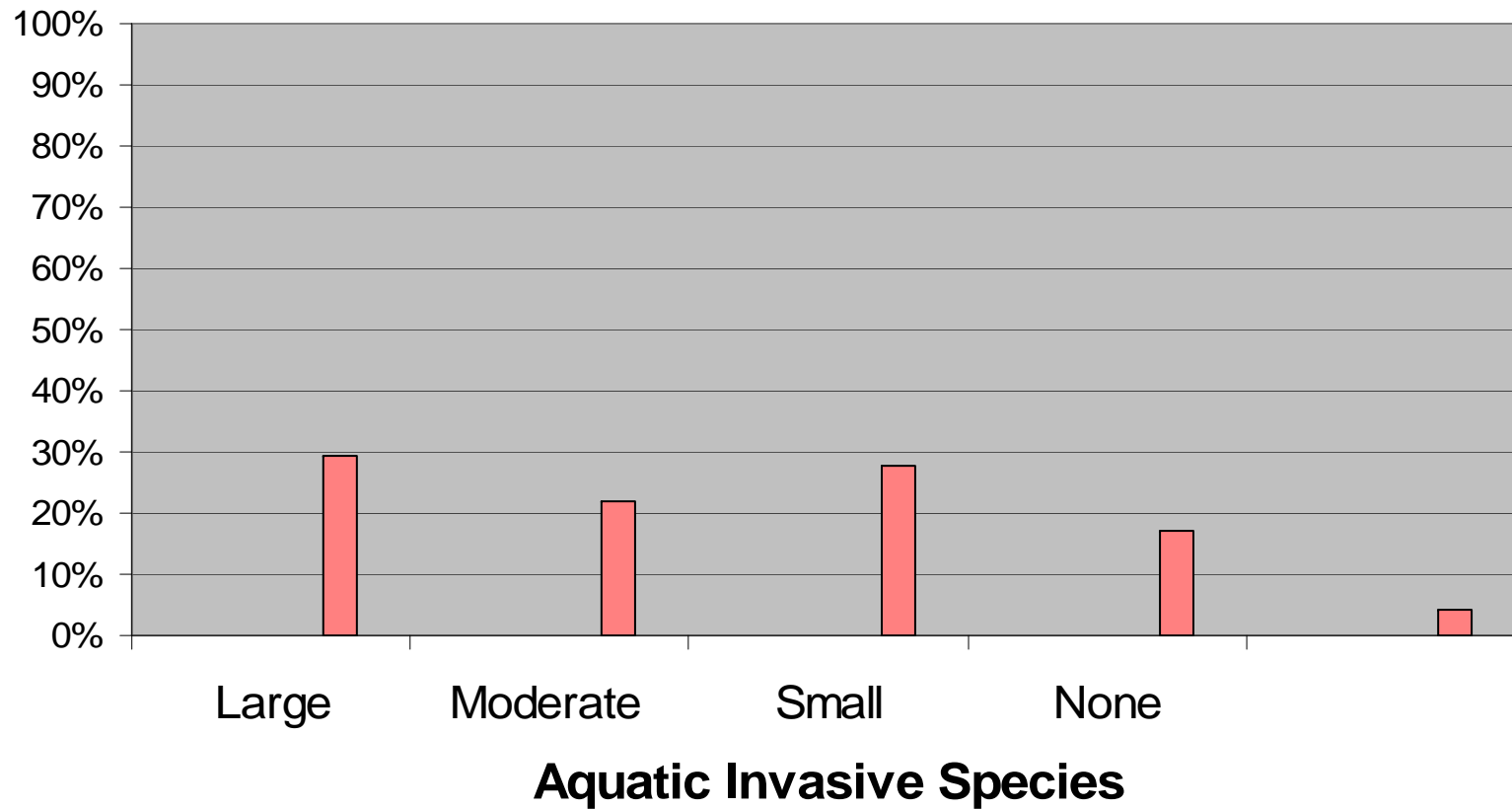
Legend: Indiana (light blue), Illinois (dark red), Oklahoma (yellow), Kansas (light cyan), Missouri (dark purple), Wisconsin (light red), Montana (dark blue)

Q1. How much information have you heard or read about...



■ Indiana ■ Illinois ■ Oklahoma ■ Kansas ■ Missouri ■ Wisconsin ■ Montana

Q1. How much information have you heard or read about...

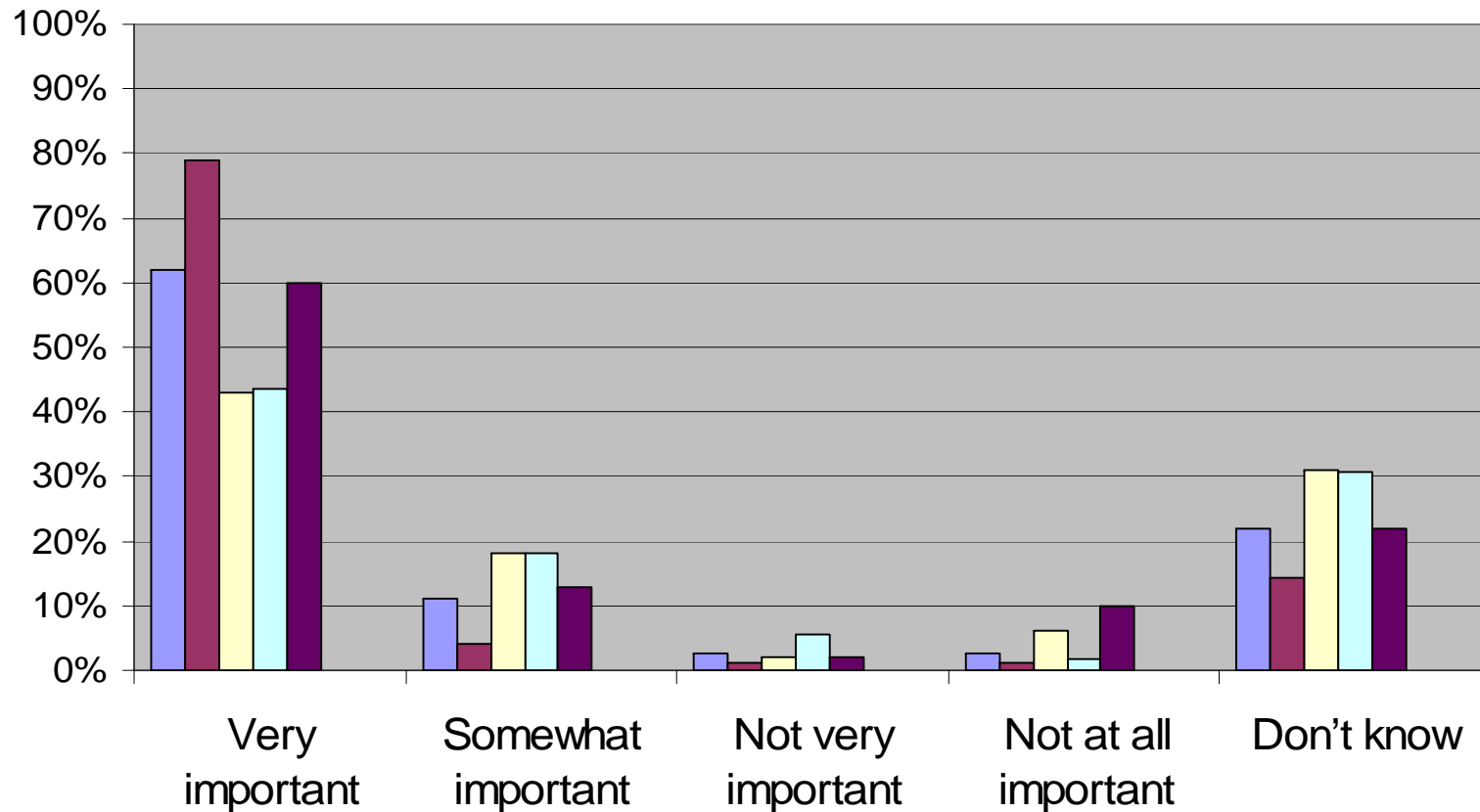


Legend: Indiana (blue), Illinois (maroon), Oklahoma (yellow), Kansas (cyan), Missouri (purple), Wisconsin (red), Montana (dark blue)

Question 2

In your opinion, how important is it that boaters and anglers take precautions to prevent the spread of each of the following aquatic nuisance species from one body of water to another?

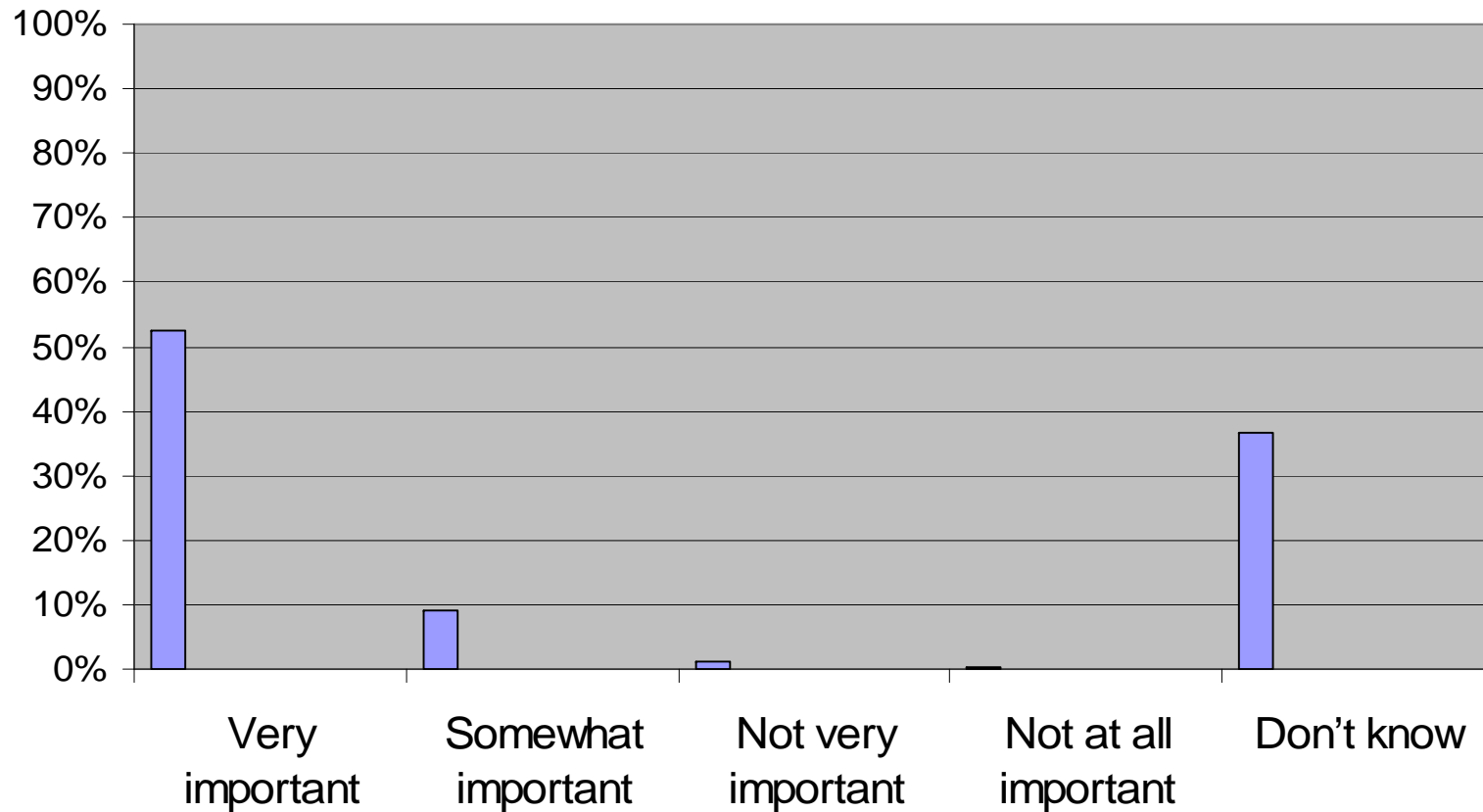
Q2. How important that boaters and anglers take precautions to prevent the spread of...



Asian carp

■ Indiana ■ Illinois ■ Oklahoma ■ Kansas ■ Missouri ■ Wisconsin ■ Montana

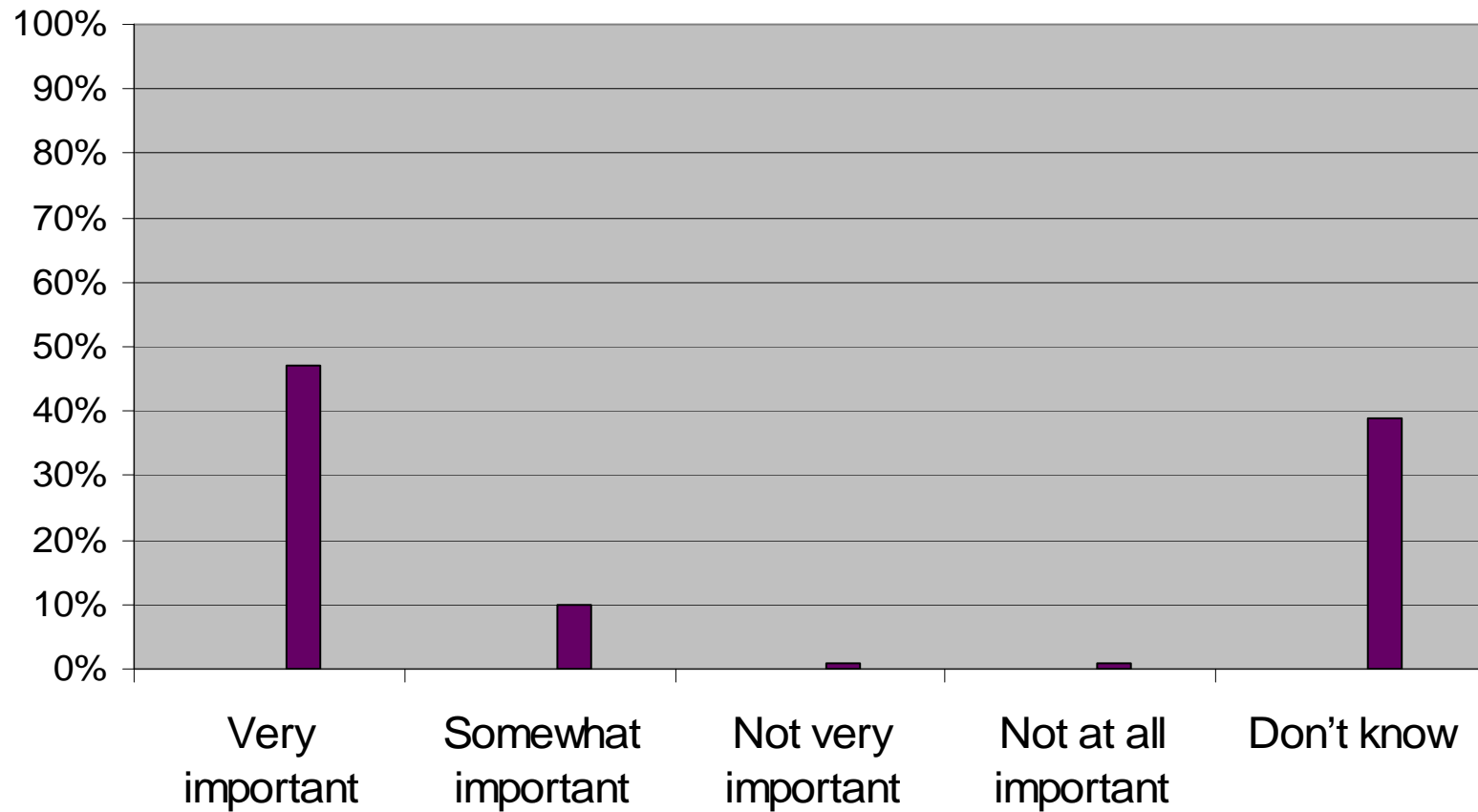
Q2. How important that boaters and anglers take precautions to prevent the spread of...



Round goby

■ Indiana ■ Illinois ■ Oklahoma ■ Kansas ■ Missouri ■ Wisconsin ■ Montana

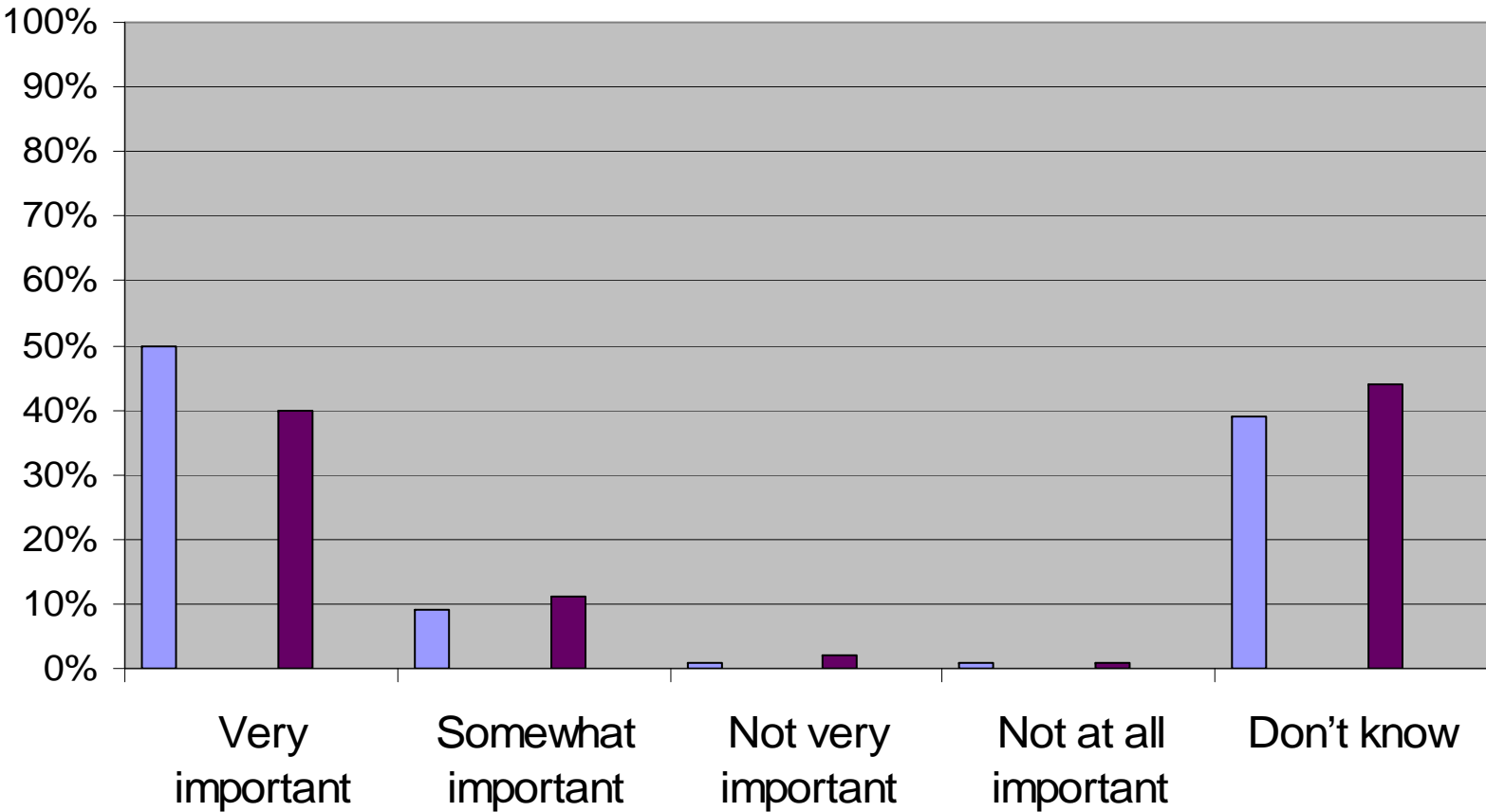
Q2. How important that boaters and anglers take precautions to prevent the spread of...



Northern snakehead

■ Indiana ■ Illinois ■ Oklahoma ■ Kansas ■ Missouri ■ Wisconsin ■ Montana

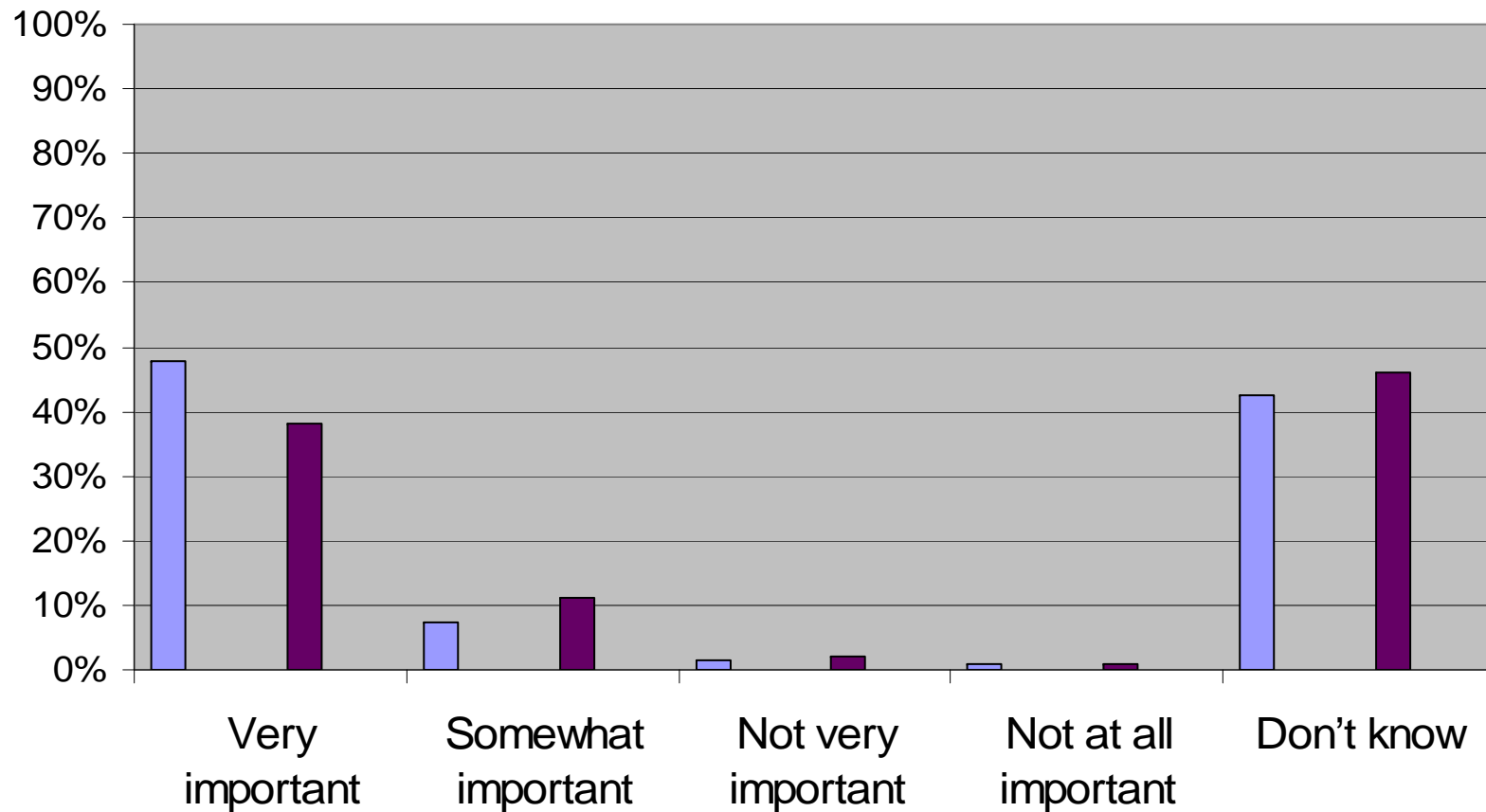
Q2. How important that boaters and anglers take precautions to prevent the spread of...



Eurasian watermilfoil

■ Indiana ■ Illinois ■ Oklahoma ■ Kansas ■ Missouri ■ Wisconsin ■ Montana

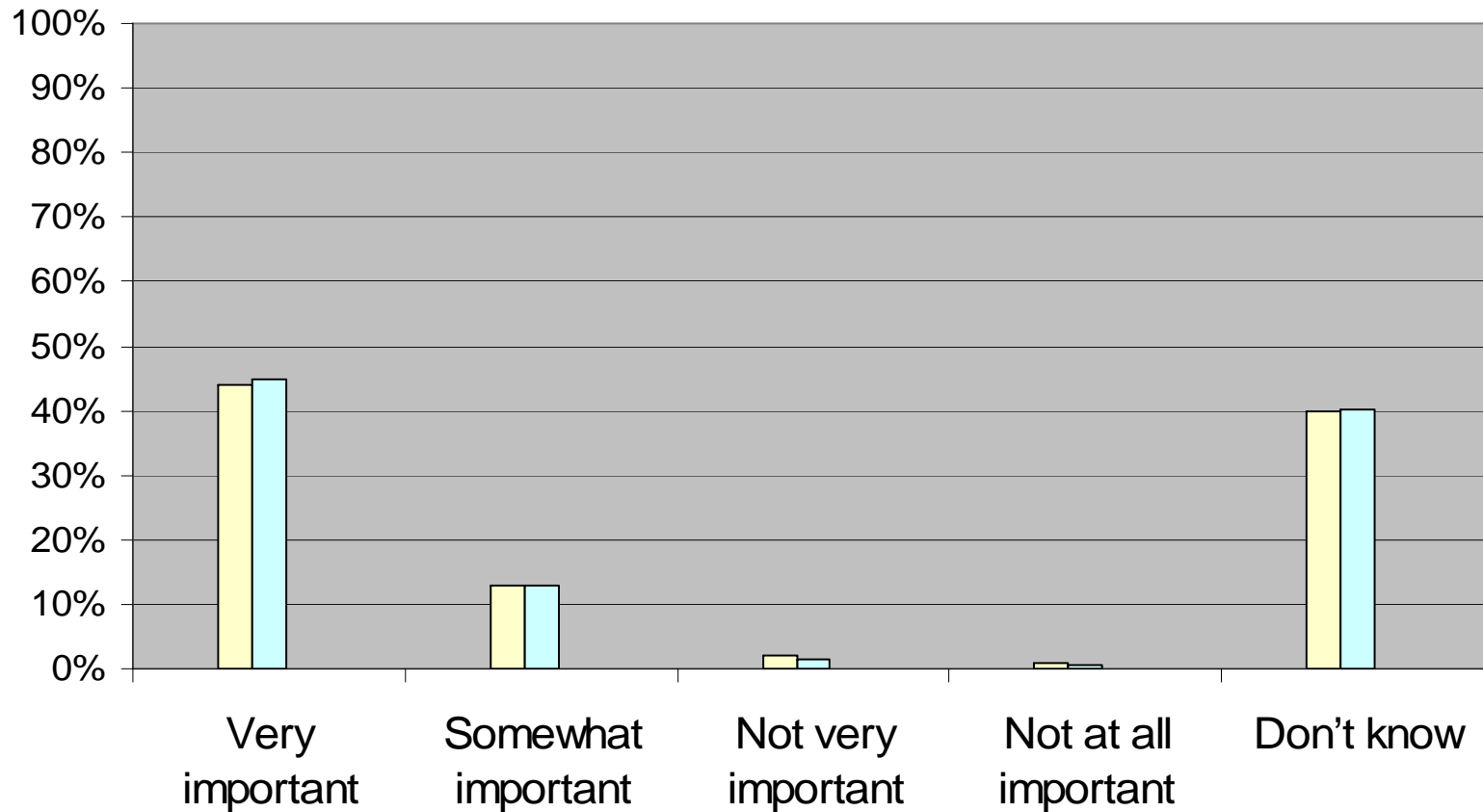
Q2. How important that boaters and anglers take precautions to prevent the spread of...



Purple loosestrife

■ Indiana ■ Illinois ■ Oklahoma ■ Kansas ■ Missouri ■ Wisconsin ■ Montana

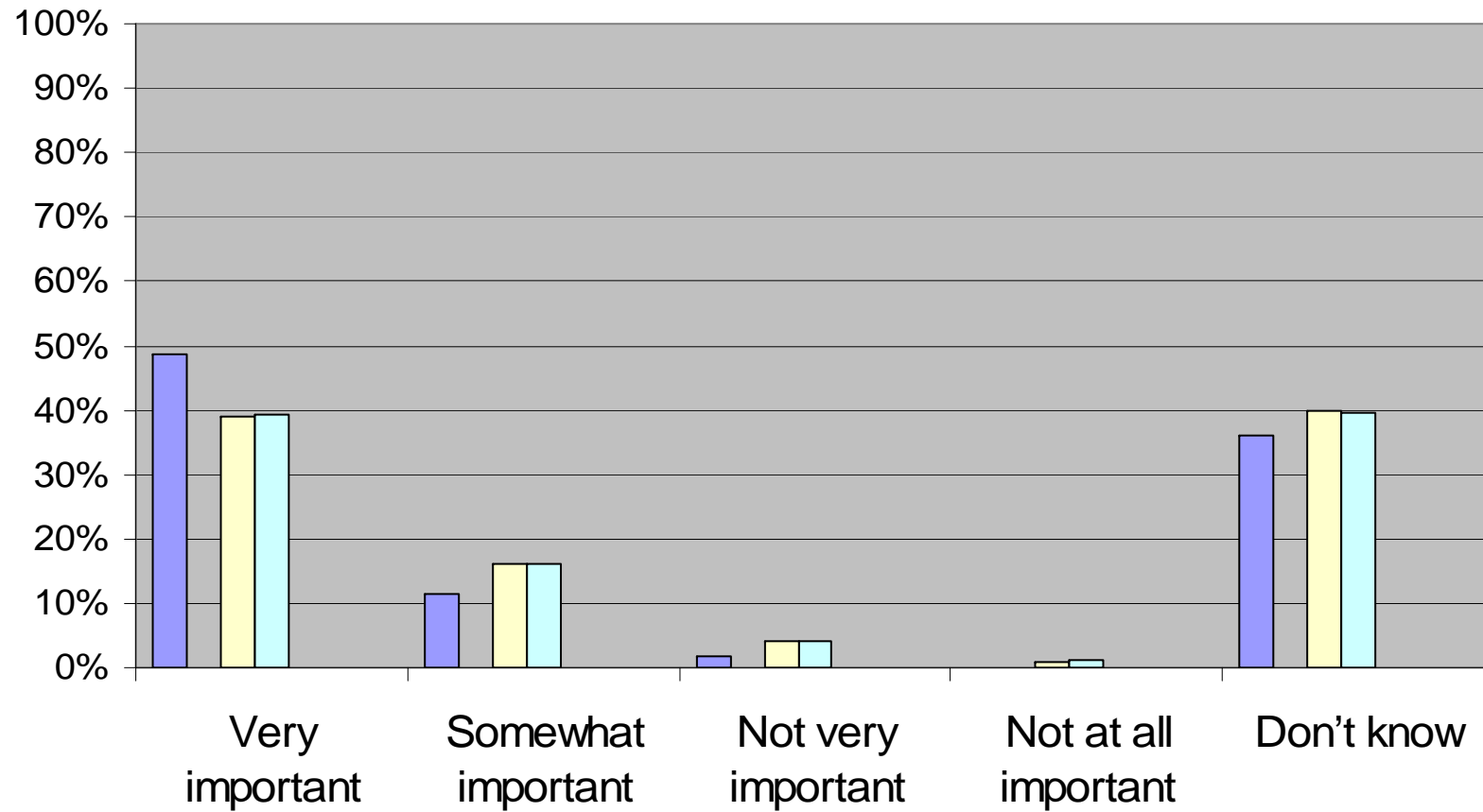
Q2. How important that boaters and anglers take precautions to prevent the spread of...



Golden algae

■ Indiana ■ Illinois ■ Oklahoma ■ Kansas ■ Missouri ■ Wisconsin ■ Montana

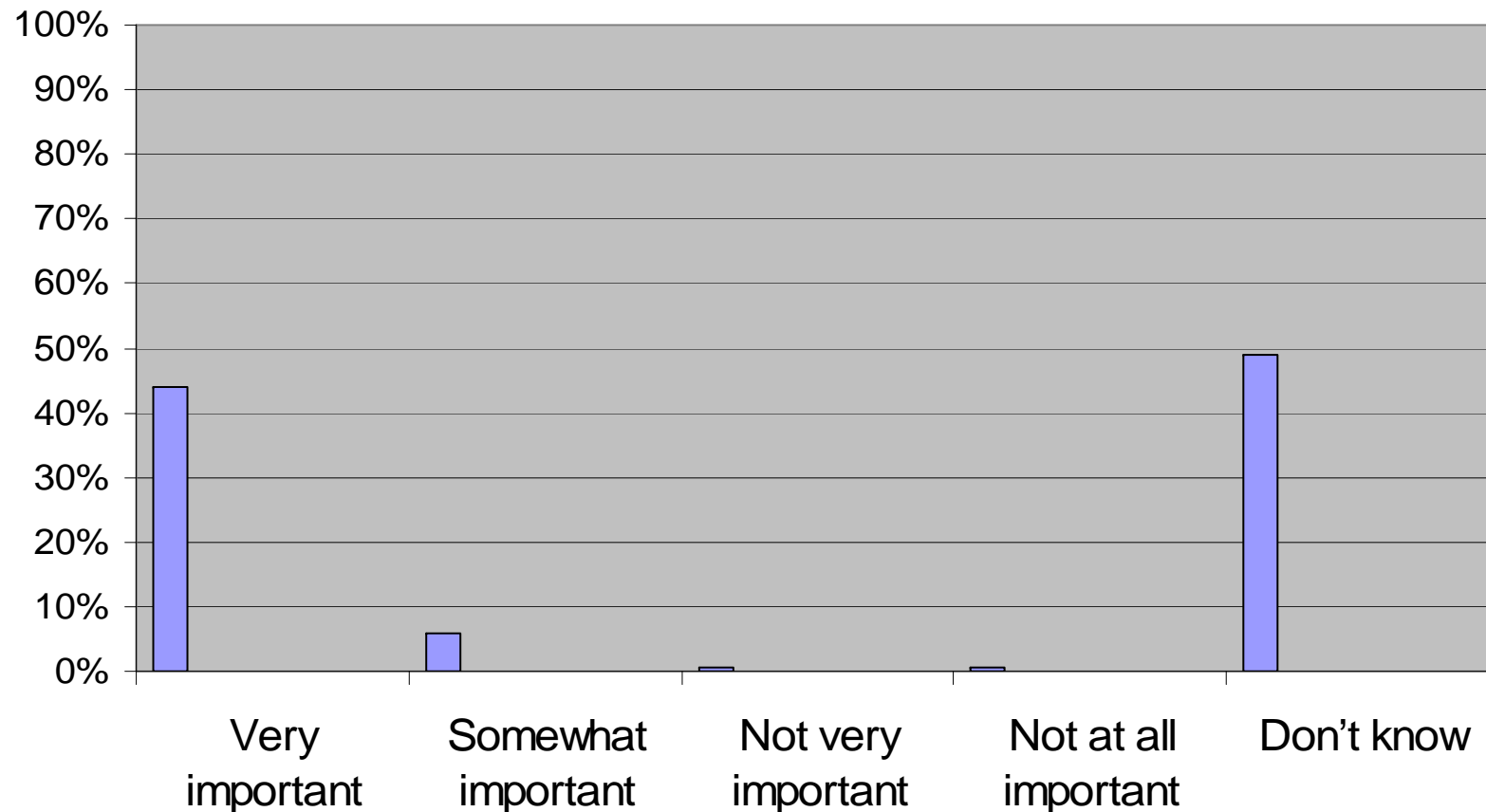
Q2. How important that boaters and anglers take precautions to prevent the spread of...



Hydrilla

■ Indiana ■ Illinois ■ Oklahoma ■ Kansas ■ Missouri ■ Wisconsin ■ Montana

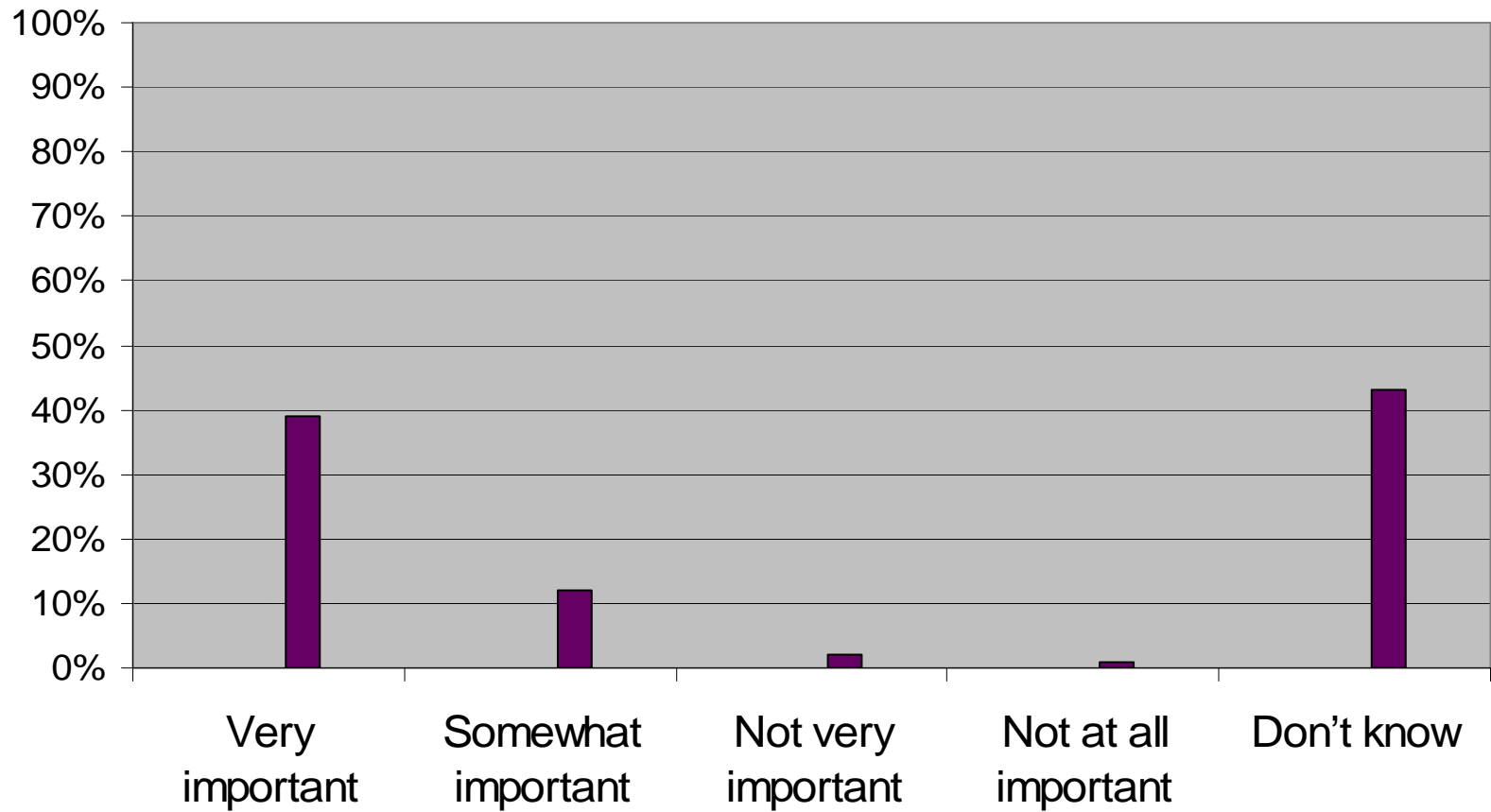
Q2. How important that boaters and anglers take precautions to prevent the spread of...



Brazilian elodea

■ Indiana ■ Illinois ■ Oklahoma ■ Kansas ■ Missouri ■ Wisconsin ■ Montana

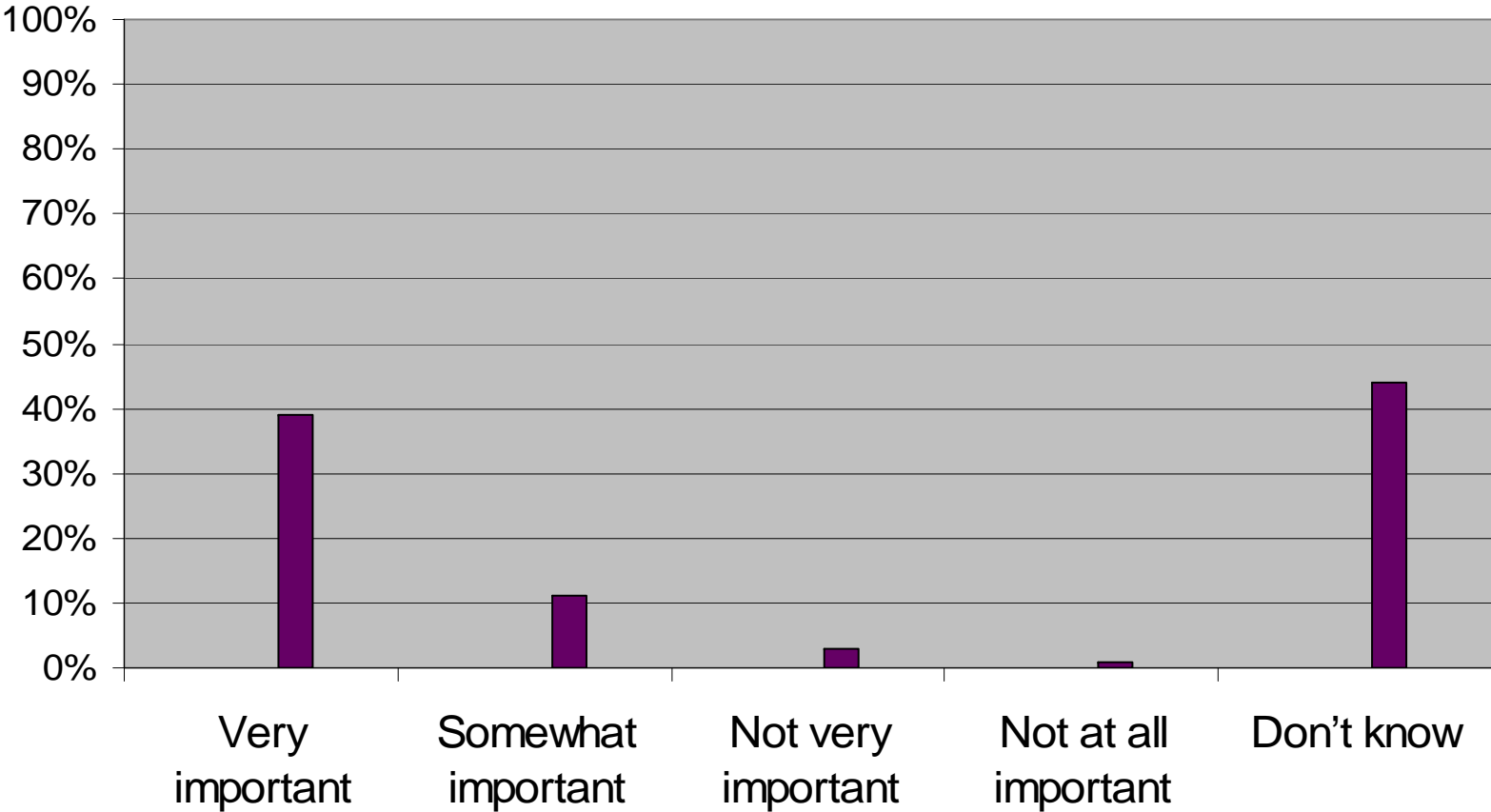
Q2. How important that boaters and anglers take precautions to prevent the spread of...



Water hyacinth

■ Indiana ■ Illinois ■ Oklahoma ■ Kansas ■ Missouri ■ Wisconsin ■ Montana

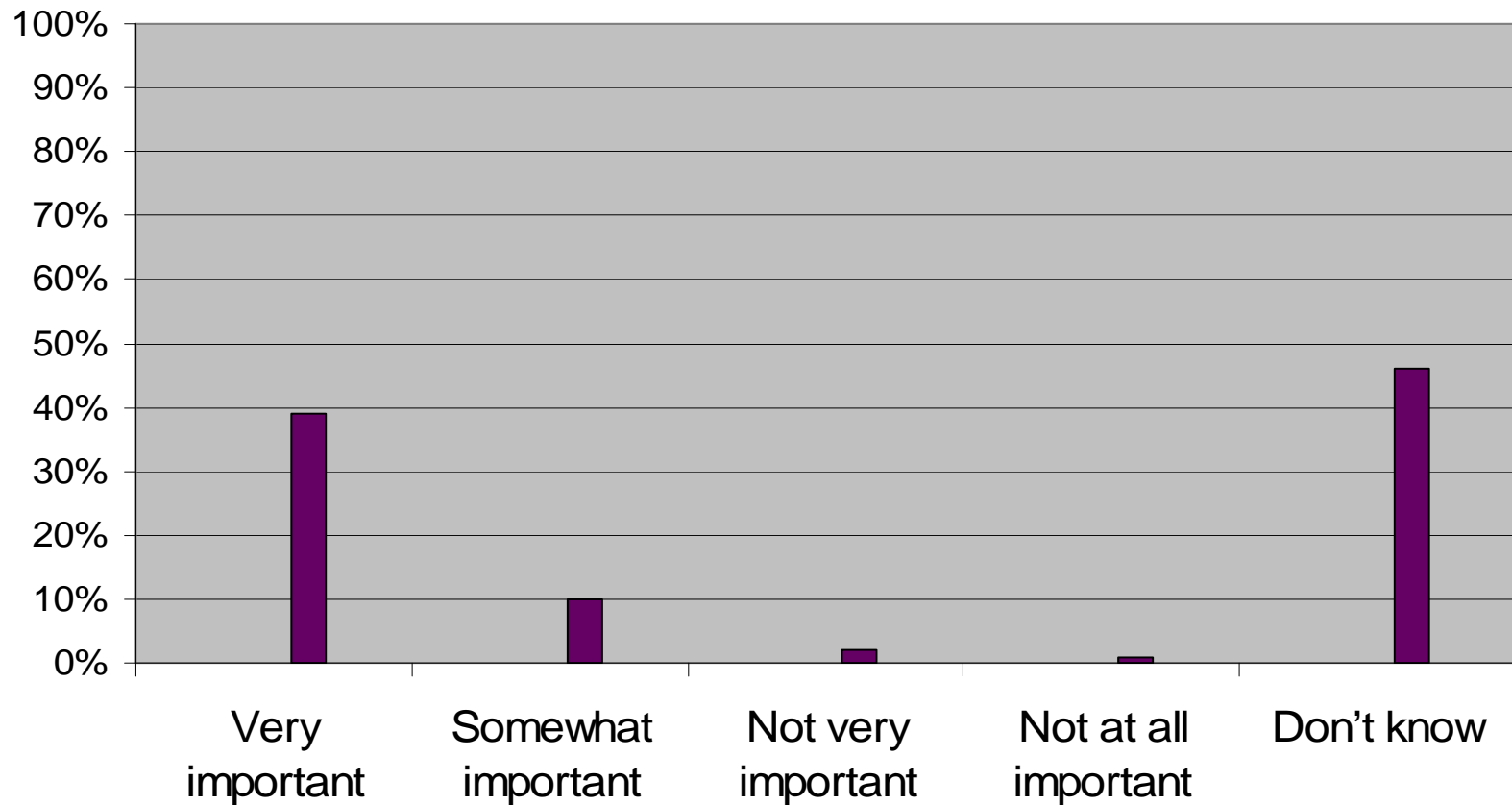
Q2. How important that boaters and anglers take precautions to prevent the spread of...



Rusty crayfish

■ Indiana ■ Illinois ■ Oklahoma ■ Kansas ■ Missouri ■ Wisconsin ■ Montana

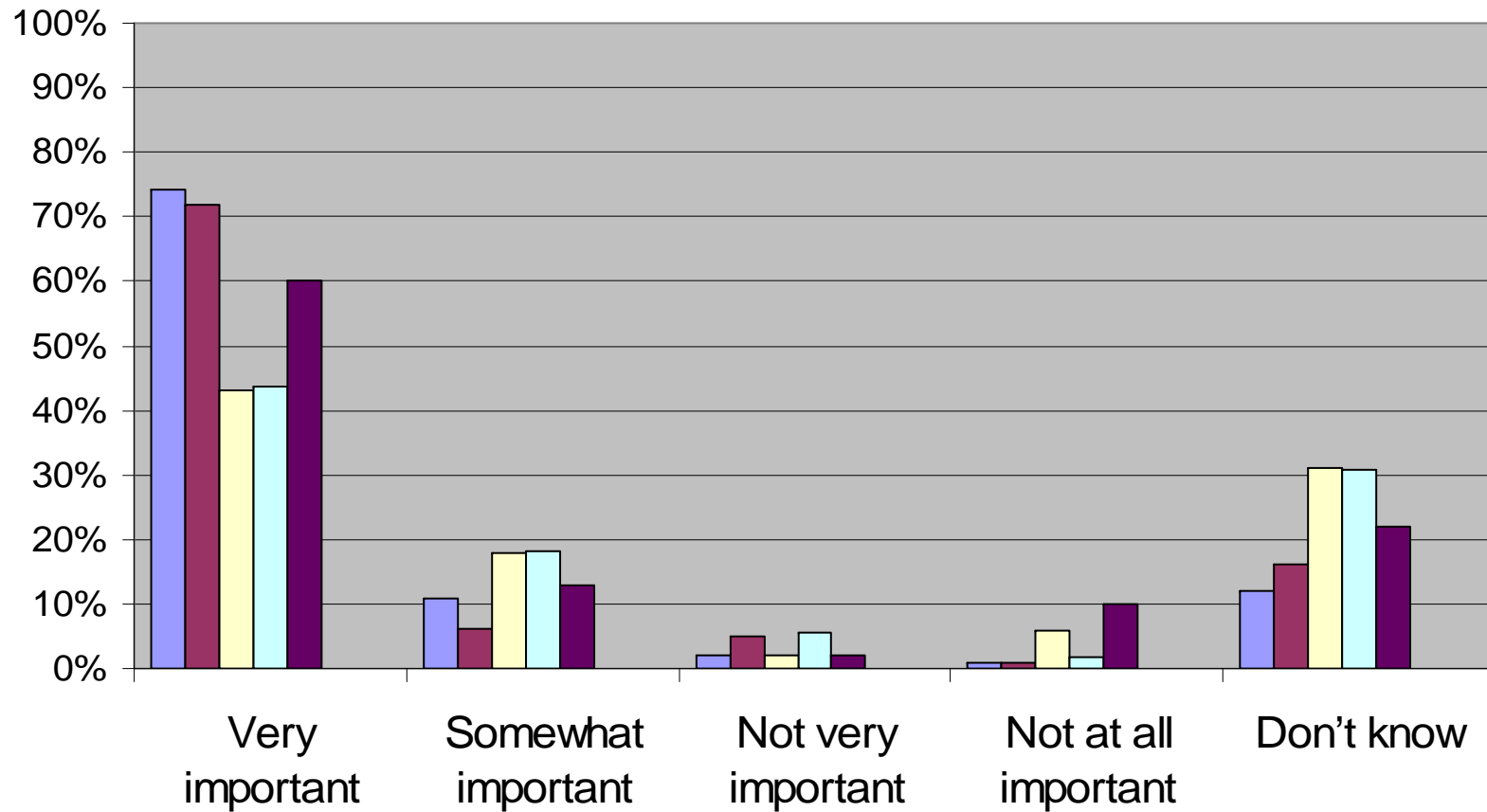
Q2. How important that boaters and anglers take precautions to prevent the spread of...



Mystery snails

Legend: Indiana (light blue), Illinois (maroon), Oklahoma (yellow), Kansas (light cyan), Missouri (purple), Wisconsin (light red), Montana (blue)

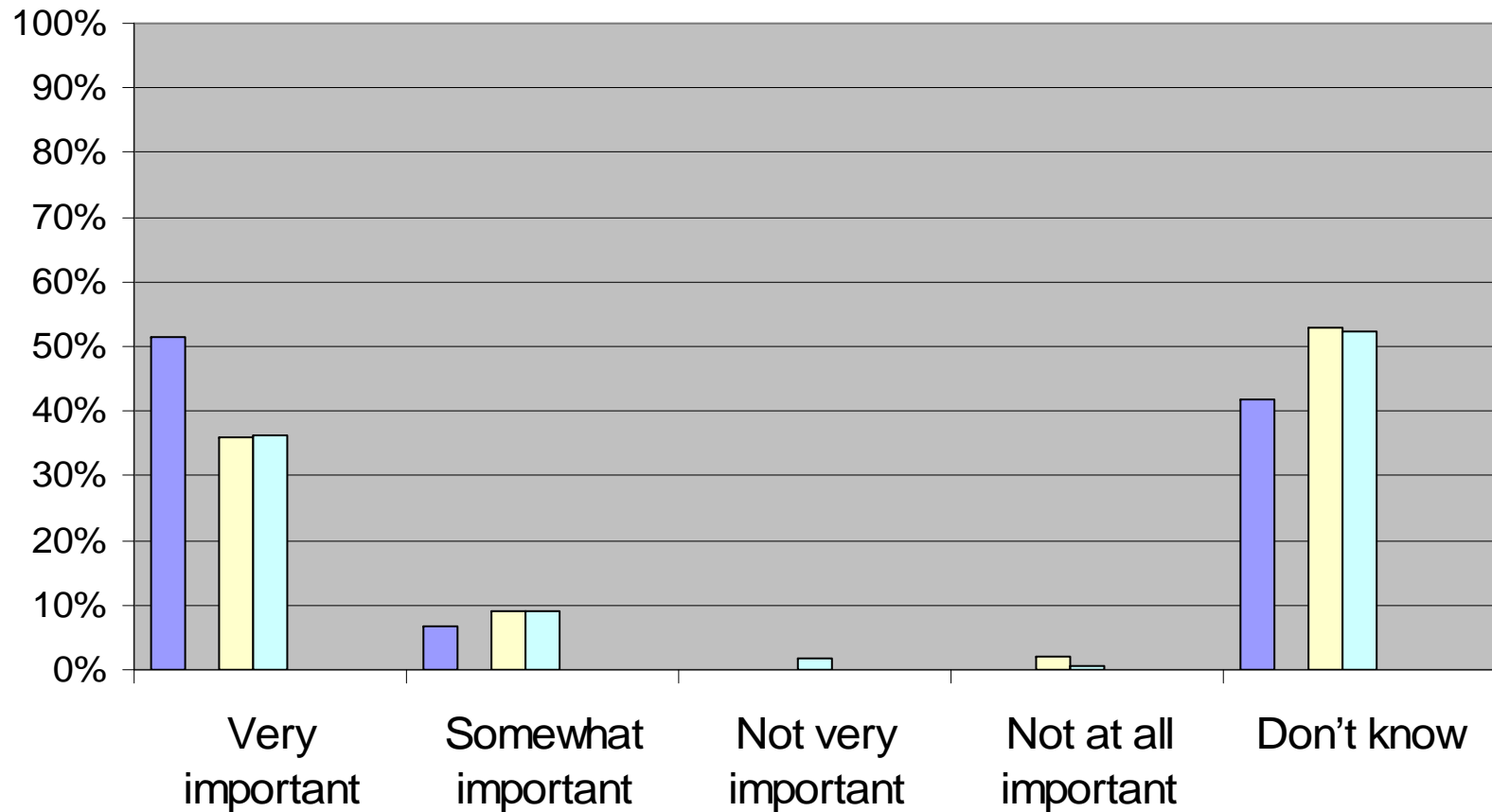
Q2. How important that boaters and anglers take precautions to prevent the spread of...



Zebra mussel

■ Indiana ■ Illinois ■ Oklahoma ■ Kansas ■ Missouri ■ Wisconsin ■ Montana

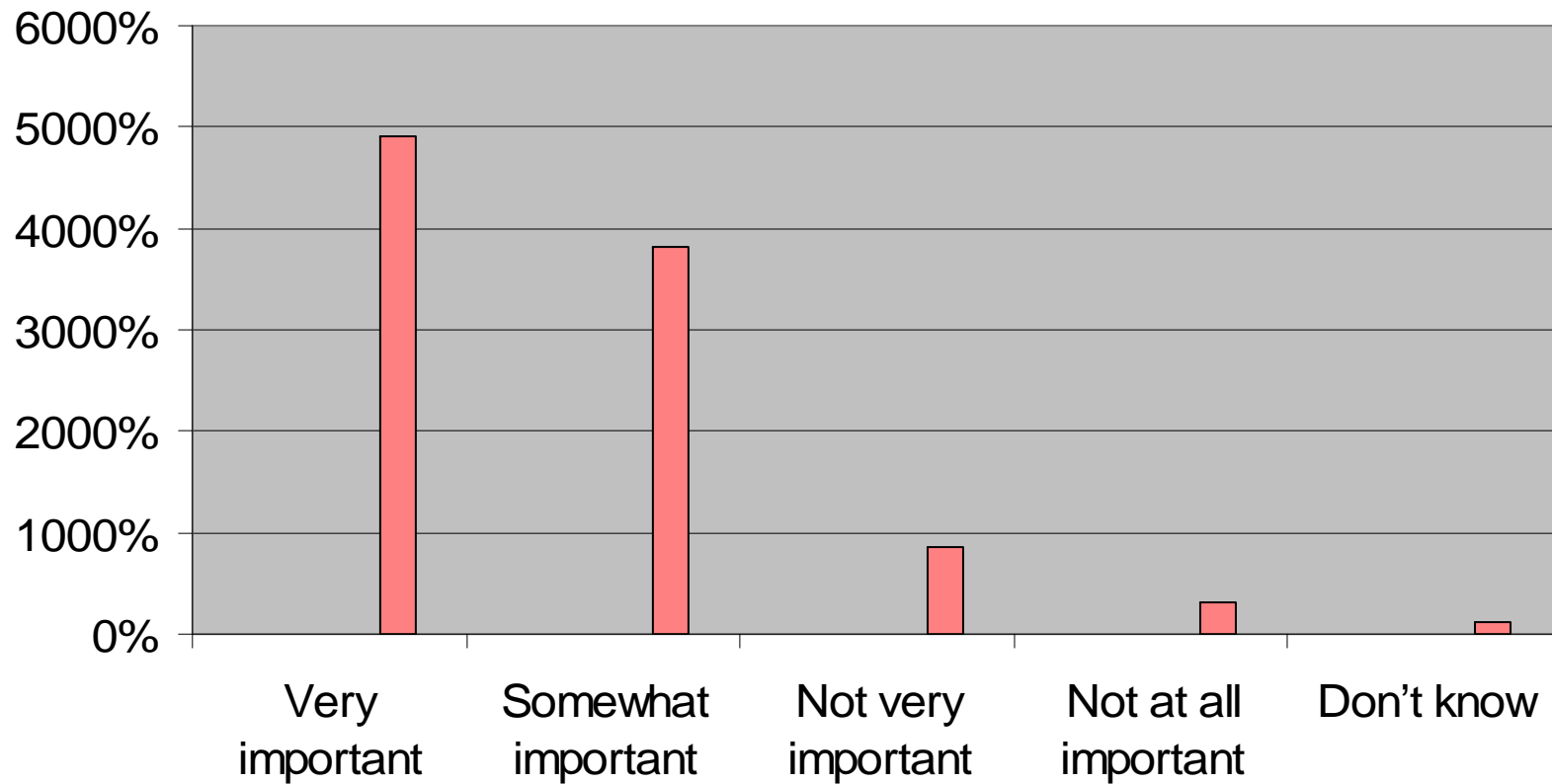
Q2. How important that boaters and anglers take precautions to prevent the spread of...



VHS

■ Indiana ■ Illinois ■ Oklahoma ■ Kansas ■ Missouri ■ Wisconsin ■ Montana

Q2. How important that boaters and anglers take precautions to prevent the spread of...




Aquatic Invasive Species

■ Indiana ■ Illinois ■ Oklahoma ■ Kansas ■ Missouri ■ Wisconsin ■ Montana

Question 3

Have you heard or read about aquatic nuisance species from any of the following sources?



MEDIA SOURCES

Newspaper Articles

Magazine or newsletter articles

Television news or programs

Radio news or programs

Television public service announcements

Radio public service announcements

Billboards

Internet web sites

EVENTS

Conferences, presentations, or meetings

An educational exhibit or display

Fishing contests, fishing derbys, or sailboat regattas

A booth at a sports show, fishing show, or similar event

FISHING OR BOATING SOURCES

Fishing or boating regulation pamphlets

Boat registration materials

Creel surveys or inspection-education on roads or at boat launches

Signs or information provided at a marina or boat launch

Signs or information provided at a bait shop

A fishing, boating, sporting, or environmental organisation

OTHER SOURCES

Brochures, species identification cards, fact sheets, or other printed material

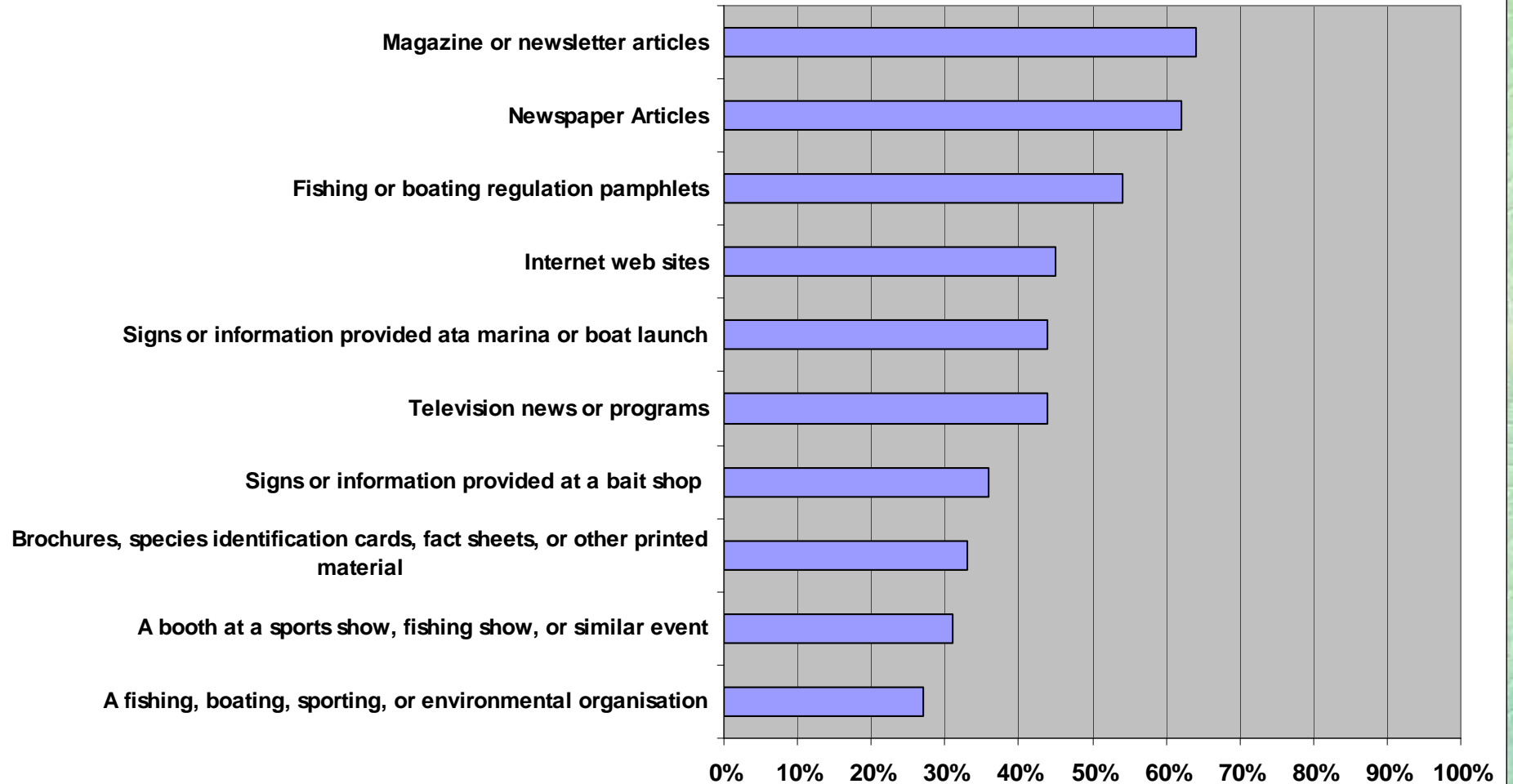
Books

Educational Videos

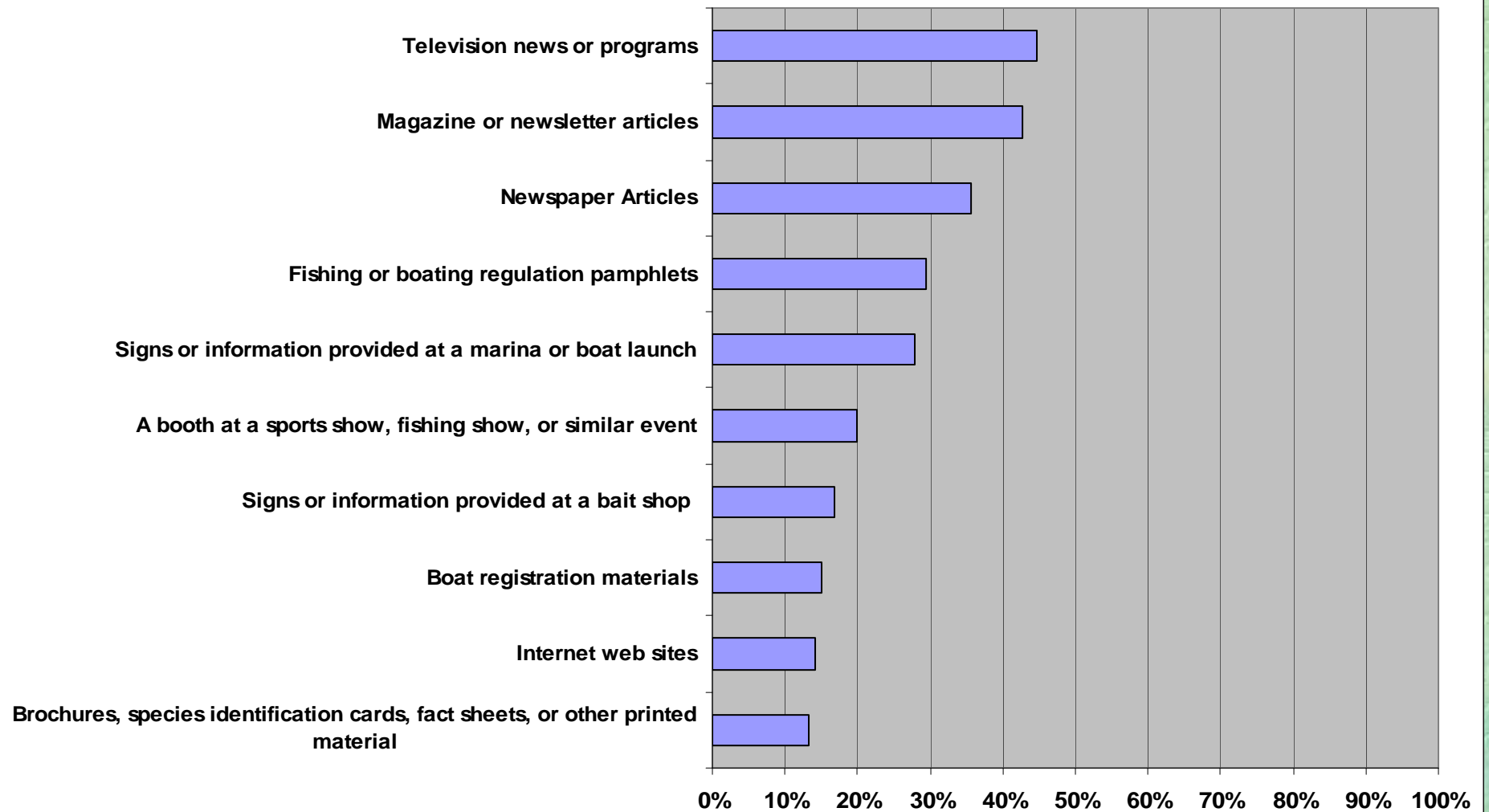
Hotline or information clearinghouse

Other (please specify)

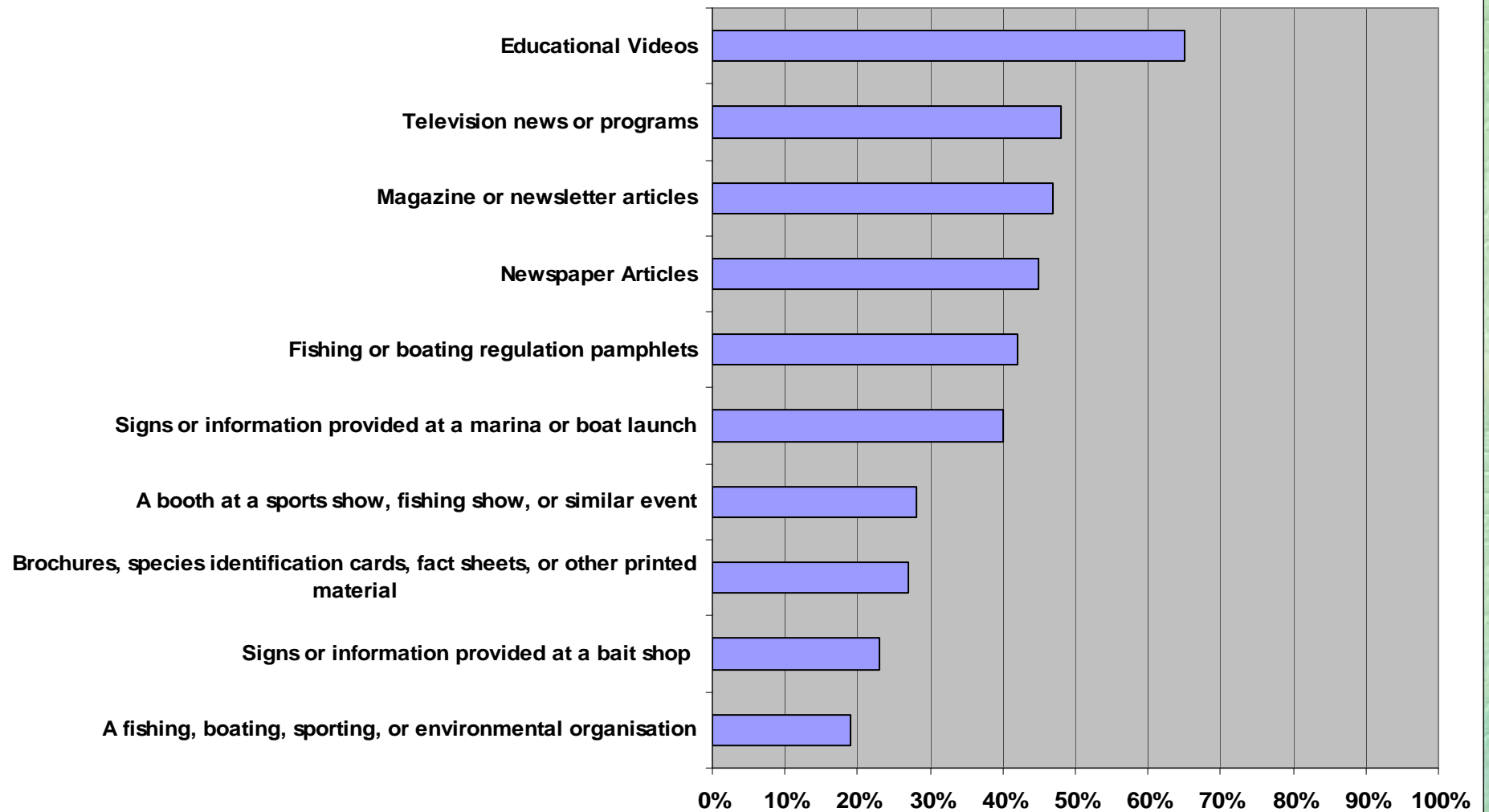
Indiana



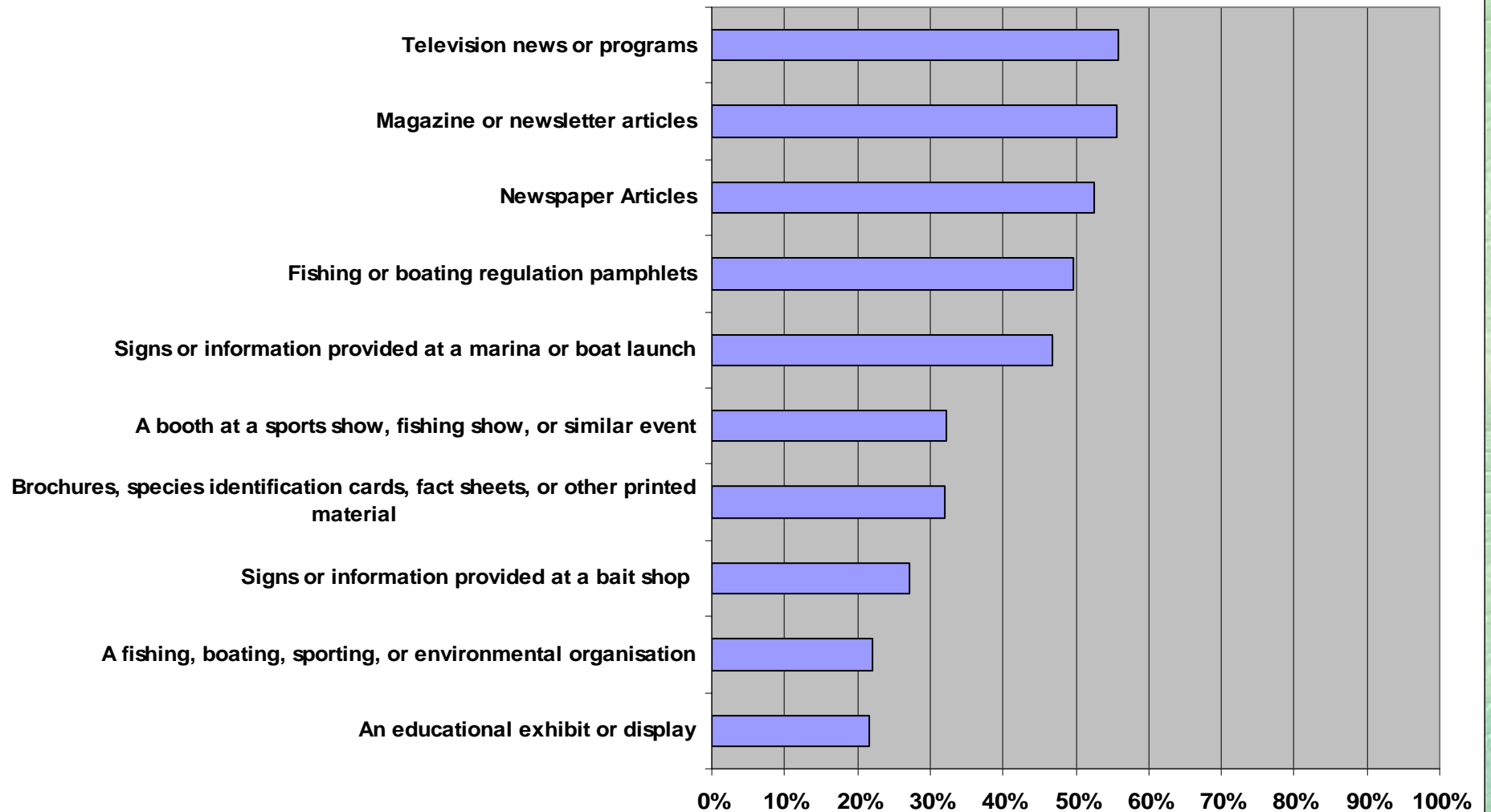
Illinois



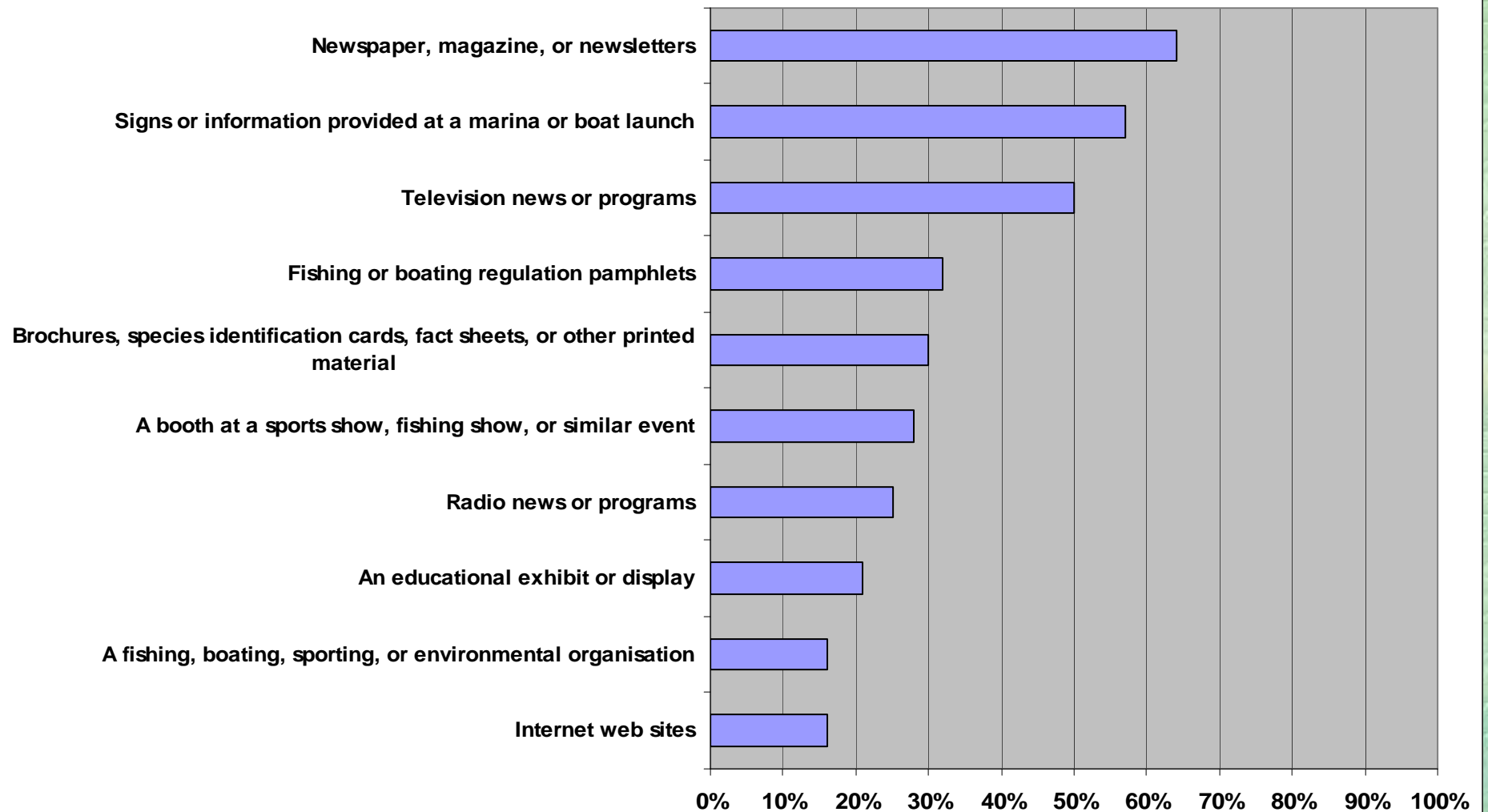
Oklahoma



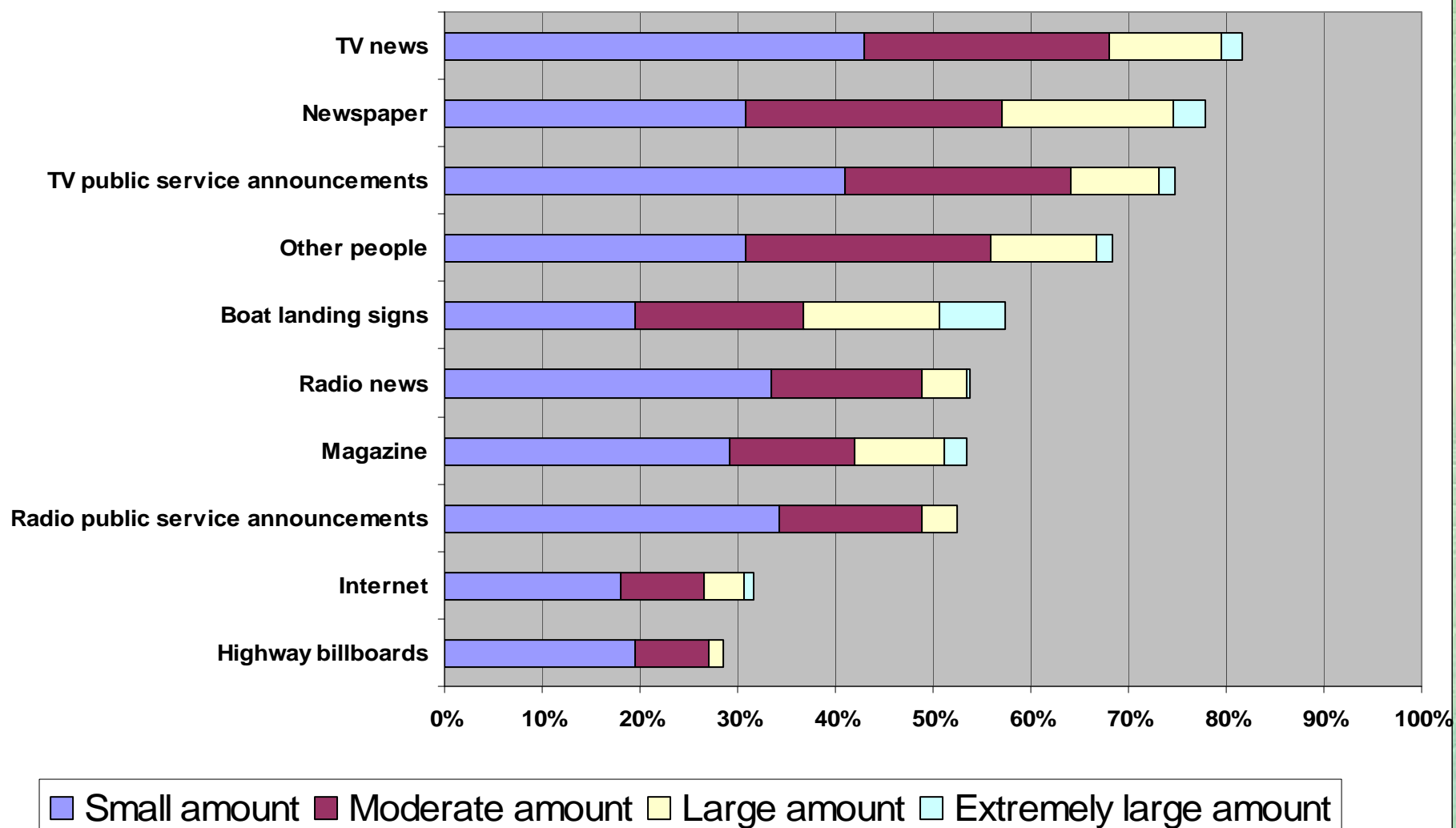
Kansas



Missouri



Wisconsin - VHS information



MEDIA SOURCES	Indiana	Illinois	Oklahoma	Kansas	Montana	Wisconsin	Missouri
Television news or programs	6	1	2	1		1	3
Magazine or newsletter articles	1	2	3	2		7	1
Newspaper articles	2	3	4	3		2	
Fishing or boating regulation pamphlets	3	4	5	4			4
Signs or information at a marina or boat launch	5	5	6	5		5	2
A booth at a sports show, fishing show, or similar event	9	6	7	6			6
Brochures, species identification cards, fact sheets, etc.	8	10	8	7			5
Signs or information provided at a bait shop	7	7	9	8			
Internet web sites	4	9	14	13		9	9
A fishing, boating, sporting, or environmental organisation	10	11	10	9			10
An educational exhibit or display	11	12	11	10			8
Television public service announcements	17	13	12	11		3	
Boat registration materials	13	8	13	12			
Radio news or programs	14	14	17	16		6	7
Fishing contests, fishing derbys, or sailboat regattas	12	17	16	15			12
Educational Videos	21	18	1	20			
Creel surveys or inspection-education programs	16	16	15	14			
Books	15	15	18	17			
Billboards	19	20	20	19		10	11
Radio public service announcements	20	21	21	21		8	
Conferences, presentations, or meetings	18	19	19	18			
Other people	23	23	23	23		4	
Hotline or information clearinghouse	22	22	22	22			

How's that again?

Here is my process, step by step.



Original data

	Indiana	Illinois	Oklahoma	Kansas	Montana	Wisconsin	Missouri
MEDIA SOURCES							
A. Newspaper Articles	60.9%	23.1%	13.0%	24.6%		10.5%	19.0%
B. Magazine or newsletter articles	40.4%	29.0%	13.0%	26.2%		5.9%	24.0%
C. Television news or programs	41.6%	36.1%	12.0%	24.1%		5.4%	14.0%
D. Radio news or programs	11.9%	3.9%	2.0%	3.7%		3.2%	5.0%
E. Television public service announcements	15.9%	7.5%	4.0%	7.0%			
F. Radio public service announcements	6.0%	1.2%	1.0%	1.2%			
G. Billboards	10.5%	1.2%	1.0%	1.7%			2.0%
H. Internet web sites	33.6%	6.3%	3.0%	6.8%		11.5%	4.0%
EVENTS							
I. Conferences, presentations, or meetings	3.6%	1.6%	2.0%	3.7%			
J. An educational exhibit or display	8.7%	5.9%	3.0%	5.1%			3.0%
K. Fishing contests, fishing derbys, or sailboat regattas	9.5%	2.4%	2.0%	3.9%			1.0%
L. A booth at a sports show, fishing show, or similar event	16.0%	7.5%	5.0%	9.7%		4.0%	3.0%
FISHING OR BOATING SOURCES							
M. Fishing or boating regulation pamphlets	31.7%	21.6%	10.0%	19.6%			6.0%
N. Boat registration materials	15.9%	9.0%	3.0%	5.0%			
O. Creel surveys or inspection-education on roads or at boat launches	4.7%	5.9%	1.0%	2.2%			
P. Signs or information provided at a marina or boat launch	35.6%	16.1%	11.0%	21.7%		9.2%	12.0%
Q. Signs or information provided at a bait shop	20.9%	7.1%	4.0%	7.6%			
R. A fishing, boating, sporting, or environmental organization	8.8%	5.1%	2.0%	4.2%			2.0%
OTHER SOURCES							
S. Brochures, species identification cards, fact sheets, or other printed material	16.1%	6.7%	5.0%	10.2%			5.0%
T. Books	1.9%	0.8%	1.0%	1.6%			
U. Educational Videos	2.4%	2.0%	1.0%	1.0%			
V. Hotline or information clearinghouse	0.8%	0.8%	0.0%	0.1%			
W. Other		1.2%	1.0%	2.3%			

First column sorted - descending order

	Indiana	Illinois	Oklahoma	Kansas	Montana	Wisconsin	Missouri
A. Newspaper Articles	60.9%	23.1%	13.0%	24.6%		10.5%	19.0%
C. Television news or programs	41.6%	36.1%	12.0%	24.1%		5.4%	14.0%
B. Magazine or newsletter articles	40.4%	29.0%	13.0%	26.2%		5.9%	24.0%
P. Signs or information provided at a marina or boat	35.6%	16.1%	11.0%	21.7%		9.2%	12.0%
H. Internet web sites	33.6%	6.3%	3.0%	6.8%		11.5%	4.0%
M. Fishing or boating regulation pamphlets	31.7%	21.6%	10.0%	19.6%			6.0%
Q. Signs or information provided at a bait shop	20.9%	7.1%	4.0%	7.6%			
S. Brochures, species identification cards, fact sheets,	16.1%	6.7%	5.0%	10.2%			5.0%
L. A booth at a sports show, fishing show, or similar	16.0%	7.5%	5.0%	9.7%		4.0%	3.0%
E. Television public service announcements	15.9%	7.5%	4.0%	7.0%			
N. Boat registration materials	15.9%	9.0%	3.0%	5.0%			
D. Radio news or programs	11.9%	3.9%	2.0%	3.7%		3.2%	5.0%
G. Billboards	10.5%	1.2%	1.0%	1.7%			2.0%
K. Fishing contests, fishing derbys, or sailboat regattas	9.5%	2.4%	2.0%	3.9%			1.0%
R. A fishing, boating, sporting, or environmental	8.8%	5.1%	2.0%	4.2%			2.0%
J. An educational exhibit or display	8.7%	5.9%	3.0%	5.1%			3.0%
F. Radio public service announcements	6.0%	1.2%	1.0%	1.2%			
O. Creel surveys or inspection-education on roads or at	4.7%	5.9%	1.0%	2.2%			
I. Conferences, presentations, or meetings	3.6%	1.6%	2.0%	3.7%			
U. Educational Videos	2.4%	2.0%	1.0%	1.0%			
T. Books	1.9%	0.8%	1.0%	1.6%			
V. Hotline or information clearinghouse	0.8%	0.8%	0.0%	0.1%			
MEDIA SOURCES							
EVENTS							
event							
FISHING OR BOATING SOURCES							
boat launches							
launch							
organization							
OTHER SOURCES							
or other printed material							
W. Other		1.2%	1.0%	2.3%			

First column data ranked

	Indiana	Illinois	Oklahoma	Kansas	Montana	Wisconsin	Missouri
A. Newspaper Articles	1	23.1%	13.0%	24.6%		10.5%	19.0%
C. Television news or programs	2	36.1%	12.0%	24.1%		5.4%	14.0%
B. Magazine or newsletter articles	3	29.0%	13.0%	26.2%		5.9%	24.0%
P. Signs or information provided at a marina or boat	4	16.1%	11.0%	21.7%		9.2%	12.0%
H. Internet web sites	5	6.3%	3.0%	6.8%		11.5%	4.0%
M. Fishing or boating regulation pamphlets	6	21.6%	10.0%	19.6%			6.0%
Q. Signs or information provided at a bait shop	7	7.1%	4.0%	7.6%			
S. Brochures, species identification cards, fact sheets,	8	6.7%	5.0%	10.2%			5.0%
L. A booth at a sports show, fishing show, or similar	9	7.5%	5.0%	9.7%		4.0%	3.0%
E. Television public service announcements	10	7.5%	4.0%	7.0%			
N. Boat registration materials	11	9.0%	3.0%	5.0%			
D. Radio news or programs	12	3.9%	2.0%	3.7%		3.2%	5.0%
G. Billboards	13	1.2%	1.0%	1.7%			2.0%
K. Fishing contests, fishing derbys, or sailboat regattas	14	2.4%	2.0%	3.9%			1.0%
R. A fishing, boating, sporting, or environmental	15	5.1%	2.0%	4.2%			2.0%
J. An educational exhibit or display	16	5.9%	3.0%	5.1%			3.0%
F. Radio public service announcements	17	1.2%	1.0%	1.2%			
O. Creel surveys or inspection-education on roads or at	18	5.9%	1.0%	2.2%			
I. Conferences, presentations, or meetings	19	1.6%	2.0%	3.7%			
U. Educational Videos	20	2.0%	1.0%	1.0%			
T. Books	21	0.8%	1.0%	1.6%			
V. Hotline or information clearinghouse	22	0.8%	0.0%	0.1%			
MEDIA SOURCES							
EVENTS							
event							
FISHING OR BOATING SOURCES							
boat launches							
launch							
organization							
OTHER SOURCES							
or other printed material							
W. Other		1.2%	1.0%	2.3%			

Second column sorted and ranked

	Indiana	Illinois	Oklahoma	Kansas	Montana	Wisconsin	Missouri
C. Television news or programs	2	1	12.0%	24.1%		5.4%	14.0%
B. Magazine or newsletter articles	3	2	13.0%	26.2%		5.9%	24.0%
A. Newspaper Articles	1	3	13.0%	24.6%		10.5%	19.0%
M. Fishing or boating regulation pamphlets	6	4	10.0%	19.6%			6.0%
P. Signs or information provided at a marina or boat	4	5	11.0%	21.7%		9.2%	12.0%
N. Boat registration materials	11	6	3.0%	5.0%			
L. A booth at a sports show, fishing show, or similar	9	7	5.0%	9.7%		4.0%	3.0%
E. Television public service announcements	10	8	4.0%	7.0%			
Q. Signs or information provided at a bait shop	7	9	4.0%	7.6%			
S. Brochures, species identification cards, fact sheets,	8	10	5.0%	10.2%			5.0%
H. Internet web sites	5	11	3.0%	6.8%		11.5%	4.0%
J. An educational exhibit or display	16	12	3.0%	5.1%			3.0%
O. Creel surveys or inspection-education on roads or at	18	13	1.0%	2.2%			
R. A fishing, boating, sporting, or environmental	15	14	2.0%	4.2%			2.0%
D. Radio news or programs	12	15	2.0%	3.7%		3.2%	5.0%
K. Fishing contests, fishing derbys, or sailboat regattas	14	16	2.0%	3.9%			1.0%
U. Educational Videos	20	17	1.0%	1.0%			
I. Conferences, presentations, or meetings	19	18	2.0%	3.7%			
G. Billboards	13	19	1.0%	1.7%			2.0%
F. Radio public service announcements	17	20	1.0%	1.2%			
W. Other		21	1.0%	2.3%			
T. Books	21	22	1.0%	1.6%			
V. Hotline or information clearinghouse	22	23	0.0%	0.1%			
MEDIA SOURCES							
EVENTS							
event							
FISHING OR BOATING SOURCES							
boat launches							
launch							
organization							
OTHER SOURCES							
or other printed material							

All columns sorted and ranked

	Indiana	Illinois	Oklahoma	Kansas	Montana	Wisconsin	Missouri
B. Magazine or newsletter articles	3	2	1	1		4	1
A. Newspaper Articles	1	3	2	2		2	2
C. Television news or programs	2	1	3	3		5	3
P. Signs or information provided at a marina or boat	4	5	4	4		3	4
M. Fishing or boating regulation pamphlets	6	4	5	5			5
D. Radio news or programs	12	15	14	15		7	6
S. Brochures, species identification cards, fact sheets,	8	10	7	6			7
H. Internet web sites	5	11	11	10		1	8
L. A booth at a sports show, fishing show, or similar	9	7	6	7		6	9
J. An educational exhibit or display	16	12	12	11			10
R. A fishing, boating, sporting, or environmental	15	14	13	13			11
G. Billboards	13	19	19	19			12
K. Fishing contests, fishing derbys, or sailboat regattas	14	16	15	14			13
Q. Signs or information provided at a bait shop	7	9	9	8			
E. Television public service announcements	10	8	8	9			
N. Boat registration materials	11	6	10	12			
I. Conferences, presentations, or meetings	19	18	16	16			
W. Other		21	21	17			
O. Creel surveys or inspection-education on roads or at	18	13	17	18			
T. Books	21	22	22	20			
F. Radio public service announcements	17	20	20	21			
U. Educational Videos	20	17	18	22			
V. Hotline or information clearinghouse	22	23	23	23			
MEDIA SOURCES							
EVENTS							
event							
FISHING OR BOATING SOURCES							
boat launches							
launch							
organization							
OTHER SOURCES							
or other printed material							

Rankings are averaged and sorted

	Indiana	Illinois	Oklahoma	Kansas	Montana	Wisconsin	Missouri	Averaged
A. Newspaper Articles	1	3	2	2		2	2	2.0
B. Magazine or newsletter articles	3	2	1	1		4	1	2.0
C. Television news or programs	2	1	3	3		5	3	2.8
P. Signs or information provided at a marina or k	4	5	4	4		3	4	4.0
M. Fishing or boating regulation pamphlets	6	4	5	5			5	5.0
L. A booth at a sports show, fishing show, or sim	9	7	6	7		6	9	7.3
S. Brochures, species identification cards, fact sl	8	10	7	6			7	7.6
H. Internet web sites	5	11	11	10		1	8	7.7
Q. Signs or information provided at a bait shop	7	9	9	8				8.3
E. Television public service announcements	10	8	8	9				8.8
N. Boat registration materials	11	6	10	12				9.8
D. Radio news or programs	12	15	14	15		7	6	11.5
J. An educational exhibit or display	16	12	12	11			10	12.2
R. A fishing, boating, sporting, or environmental	15	14	13	13			11	13.2
K. Fishing contests, fishing derbys, or sailboat re	14	16	15	14			13	14.4
G. Billboards	13	19	19	19			12	16.4
O. Creel surveys or inspection-education on roac	18	13	17	18				16.5
I. Conferences, presentations, or meetings	19	18	16	16				17.3
U. Educational Videos	20	17	18	22				19.3
F. Radio public service announcements	17	20	20	21				19.5
W. Other		21	21	17				19.7
T. Books	21	22	22	20				21.3
V. Hotline or information clearinghouse	22	23	23	23				22.8

Question 4

Of the sources of information that you circled in Question 3, which four were your BEST sources of information about aquatic nuisance species?

MEDIA SOURCES	Indiana	Illinois	Oklahoma	Kansas	Montana	Wisconsin	Missouri
Newspaper Articles	1	3	2	2		2	2
Magazine or newsletter articles	3	2	1	1		4	1
Television news or programs	2	1	3	3		5	3
Signs or information provided at marina or boat launch	4	5	4	4		3	4
Fishing or boating regulation pamphlets	6	4	5	5			5
Brochures, species identification cards, etc.	8	10	7	6			6
A booth at a sports show, fishing show, etc.	9	7	6	7		6	10
Internet web sites	5	11	11	10		1	8
Signs or information provided at a bait shop	7	9	9	8			
Television public service announcements	11	8	8	9			
Boat registration materials	10	6	10	12			
Radio news or programs	12	15	14	15		7	7
An educational exhibit or display	16	12	12	11			9
A fishing, boating, sporting, or environmental org.	15	14	13	13			11
Fishing contests, fishing derbys, or sailboat regattas	14	16	15	14			13
Creel surveys or inspection-education programs	18	13	17	18			
Billboards	13	20	20	19			12
Conferences, presentations, or meetings	19	18	16	16			
Other		19	19	17			
Educational Videos	20	17	18	22			
Radio public service announcements	17	21	21	21			
Books	21	22	22	20			
Hotline or information clearinghouse	22	23	23	23			

Question 3/4

All sources of information versus BEST sources of information



MEDIA SOURCES	All sources	BEST sources
Newspaper articles	3	1
Magazine or newsletter articles	2	2
Television news or programs	1	3
Signs or information at a marina or boat launch	5	4
Fishing or boating regulation pamphlets	4	5
Brochures, species identification cards, fact sheets, etc.	7	6
A booth at a sports show, fishing show, or similar event	6	7
Internet web sites	9	8
Signs or information provided at a bait shop	8	9
Television public service announcements	12	10
Boat registration materials	13	11
Radio news or programs	14	12
An educational exhibit or display	11	13
A fishing, boating, sporting, or environmental organisation	10	14
Fishing contests, fishing derbys, or sailboat regattas	15	15
Creel surveys or inspection-education programs	17	16
Billboards	19	17
Conferences, presentations, or meetings	21	18
Other people	22	19
Educational Videos	16	20
Radio public service announcements	20	21
Books	18	22
Hotline or information clearinghouse	23	23

Question 5

How effective would each of the following be in getting YOU to take steps to prevent the spread of aquatic nuisance species? In the last column, please tell us which ones ALREADY led you to take action.

Talking With Friends or Acquaintances

A Sense of Personal Responsibility

A desire to keep AIS out of our lakes and streams

A desire to prevent damage to your boat or equipment

Laws or regulations to prevent the transport of AIS

Enforcement checks on the road or at boat launches

Fines that must be paid by violators

Media sources (Newspapers, Radio, TV news/programs)

Television or radio public service announcements

Magazine or newsletter articles

Internet web sites

Fishing or boating regulation pamphlets

Conferences or workshops for boaters and anglers

Brochures, species ID cards, fact sheets, etc.

Signs at marinas and boat launches

Creel surveys or Inspection-education programs

Videos or other presentations to boating, lake and sporting organizations

Billboards

Traveler information systems or low power radio

Question 5 categories

- Would be very effective
- Would be somewhat effective
- Would not be effective
- Has caused you to take action

“Would be very effective”

	Indiana	Illinois	Oklahoma	Kansas	Montana	Wisconsin	Missouri
A desire to prevent damage to your boat or equipment	1		2	2			
A desire to keep AIS out of our lakes and streams	2		1	1		4	1
Signs at marinas and boat launches	3		4	4			3
A Sense of Personal Responsibility	9		3	3		1	2
Laws or regulations to prevent the transport of AIS	6		6	7			5
Media sources (Newspapers, Radio, TV news/programs)	8		7	6			4
Fishing or boating regulation pamphlets	7		5	5			9
Fines that must be paid by violators	5		10	10		2	
Enforcement checks on the road or at boat launches	4		11	11			6
Brochures, species ID cards, fact sheets, etc.	10		8	8			8
Television or radio public service announcements	11		9	9			10
Magazine or newsletter articles	12		12	12			7
Talking With Friends or Acquaintances	15		13	13		3	11
Creel surveys or Inspection-education programs	14		14	14			
Internet web sites	13		15	16			13
Billboards			16	15			14
Videos or other presentations to boating, lake and sporting organi	17		18	18			12
Conferences or workshops for boaters and anglers	16		17	17			
Traveler information systems or low power radio			19	19			15

“Would be somewhat effective”

	Indiana	Illinois	Oklahoma	Kansas	Montana	Wisconsin	Missouri
Videos or other presentations to boating, lake and sporting organi	1		1	1			2
Talking With Friends or Acquaintances	4		3	2		1	1
Creel surveys or Inspection-education programs	3		2	4			
Billboards			4	3			4
Conferences or workshops for boaters and anglers	2		5	5			
Magazine or newsletter articles	5		6	6			7
Television or radio public service announcements	7		7	8			3
Media sources (Newspapers, Radio, TV news/programs)	6		9	9			5
Internet web sites	8		8	7			9
Brochures, species ID cards, fact sheets, etc.	9		10	10			8
Fishing or boating regulation pamphlets	10		12	12			6
Traveler information systems or low power radio			11	11			10
Fines that must be paid by violators	13		15	15		3	
Laws or regulations to prevent the transport of AIS	11		13	13			11
Enforcement checks on the road or at boat launches	12		14	14			12
A Sense of Personal Responsibility	15		17	17		4	14
A desire to keep AIS out of our lakes and streams	17		18	18		2	15
Signs at marinas and boat launches	14		16	16			13
A desire to prevent damage to your boat or equipment	16		19	19			

“Would not be effective”

	Indiana	Illinois	Oklahoma	Kansas	Montana	Wisconsin	Missouri
Traveler information systems or low power radio			1	1			1
Conferences or workshops for boaters and anglers	1		3	3			
Enforcement checks on the road or at boat launches	3		6	6			2
Internet web sites	7		2	2			9
Fines that must be paid by violators	4		7	7		2	
Videos or other presentations to boating, lake and sporting organi	2		4	4			12
Laws or regulations to prevent the transport of AIS	5		9	9			3
Billboards			5	5			10
Creel surveys or Inspection-education programs	8		8	8			
Talking With Friends or Acquaintances	10		12	12		1	7
Television or radio public service announcements	6		11	13			5
Magazine or newsletter articles	9		10	10			8
Brochures, species ID cards, fact sheets, etc.	12		13	11			6
Fishing or boating regulation pamphlets	14		16	15			4
Media sources (Newspapers, Radio, TV news/programs)	11		14	14			11
A Sense of Personal Responsibility	16		18	18		4	14
A desire to keep AIS out of our lakes and streams	17		19	19		3	15
A desire to prevent damage to your boat or equipment	13		15	16			
Signs at marinas and boat launches	15		17	17			13

“Has caused me to take action”

	Indiana	Illinois	Oklahoma	Kansas	Montana	Wisconsin	Missouri
Enforcement checks on the road or at boat launches	3		6	13			3
Laws or regulations to prevent the transport of AIS	5		9	10			2
Fines that must be paid by violators	4		7	14		1	
Traveler information systems or low power radio			1	19			1
Conferences or workshops for boaters and anglers	1		3	18			
Talking With Friends or Acquaintances	10		12	4		4	7
Internet web sites	7		2	12			10
Television or radio public service announcements	6		11	11			5
Magazine or newsletter articles	9		10	7			8
Videos or other presentations to boating, lake and sporting organi	2		4	17			12
Fishing or boating regulation pamphlets	14		16	6			4
Brochures, species ID cards, fact sheets, etc.	12		13	9			6
Billboards			5	15			11
A desire to prevent damage to your boat or equipment	13		15	3			
A Sense of Personal Responsibility	16		18	1		3	14
Media sources (Newspapers, Radio, TV news/programs)	11		14	8			9
Creel surveys or Inspection-education programs	8		8	16			
A desire to keep AIS out of our lakes and streams	17		19	2		2	15
Signs at marinas and boat launches	15		17	5			13

Comparison of all three

	Very effective	Somewhat effective	Not effective	Led me to take action
A desire to prevent damage to your boat or equipment	1	19	18	14
A desire to keep AIS out of our lakes and streams	2	17	17	18
Signs at marinas and boat launches	3	18	19	19
A Sense of Personal Responsibility	4	16	16	15
Laws or regulations to prevent the transport of AIS	5	14	7	3
Media sources (Newspapers, Radio, TV news/programs)	6	8	15	16
Fishing or boating regulation pamphlets	7	11	14	12
Fines that must be paid by violators	8	13	5	2
Enforcement checks on the road or at boat launches	9	15	3	1
Brochures, species ID cards, fact sheets, etc.	10	10	13	11
Television or radio public service announcements	11	7	11	8
Magazine or newsletter articles	12	6	12	9
Talking With Friends or Acquaintances	13	2	10	6
Creel surveys or Inspection-education programs	14	3	9	17
Internet web sites	15	9	4	7
Billboards	16	4	8	13
Videos or other presentations to boating, lake and sporting organi	17	1	6	10
Conferences or workshops for boaters and anglers	18	5	2	5
Traveler information systems or low power radio	19	12	1	4

Question 6

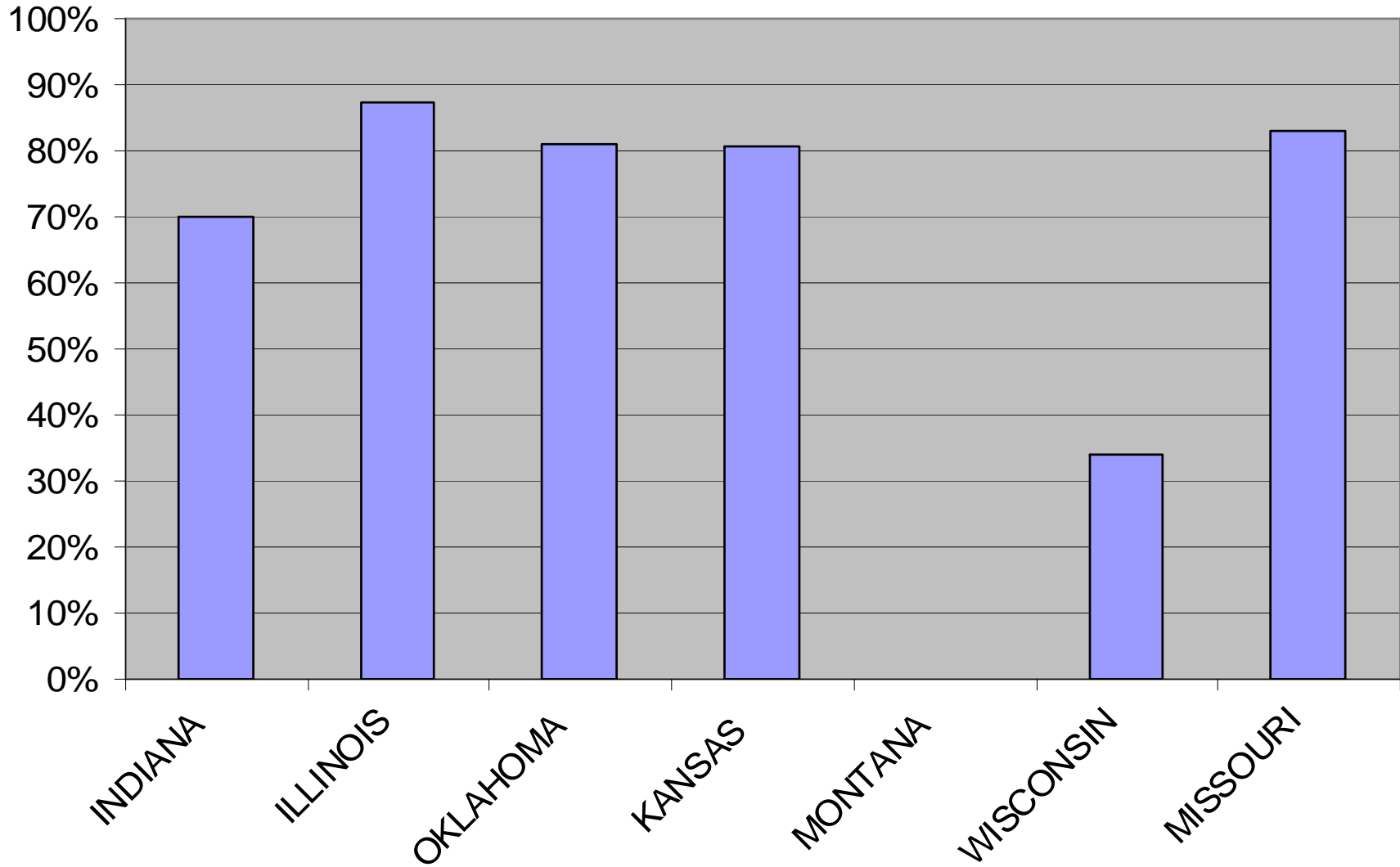
Of the items you said "would be VERY EFFECTIVE" in Question 5, which would be MOST effective in getting you to take steps to prevent the spread of aquatic nuisance species?

	Indiana	Illinois	Oklahoma	Kansas	Montana	Wisconsin	Missouri
Conferences or workshops for boaters and anglers	1		2	1			
Videos or other presentations to boating, lake and spo	2		1	2			
Creel surveys or Inspection-education programs	3		3	3			
Magazine or newsletter articles	5		7	8			1
Billboards	4		6	6			
Internet web sites	7		5	5			
Fines that must be paid by violators	13		9	7		2	
Laws or regulations to prevent the transport of AIS	16		4	4			
Television or radio public service announcements	6		8	10			
Traveler information systems or low power radio			10	9			
A Sense of Personal Responsibility	17		16	14		1	2
Brochures, species ID cards, fact sheets, etc.	8		11	12			
Enforcement checks on the road or at boat launches	11		12	11			
Talking With Friends or Acquaintances	14		14	15		3	
Media sources (Newspapers, Radio, TV news/progran	9		13	13			
Signs at marinas and boat launches	12		15	16			4
A desire to keep AIS out of our lakes and streams	18		19	19		4	3
Fishing or boating regulation pamphlets	10		17	17			
A desire to prevent damage to your boat or equipment	15		18	18			

Question 7


Did you use a boat or boats during the last year?

Did you use a boat last year?

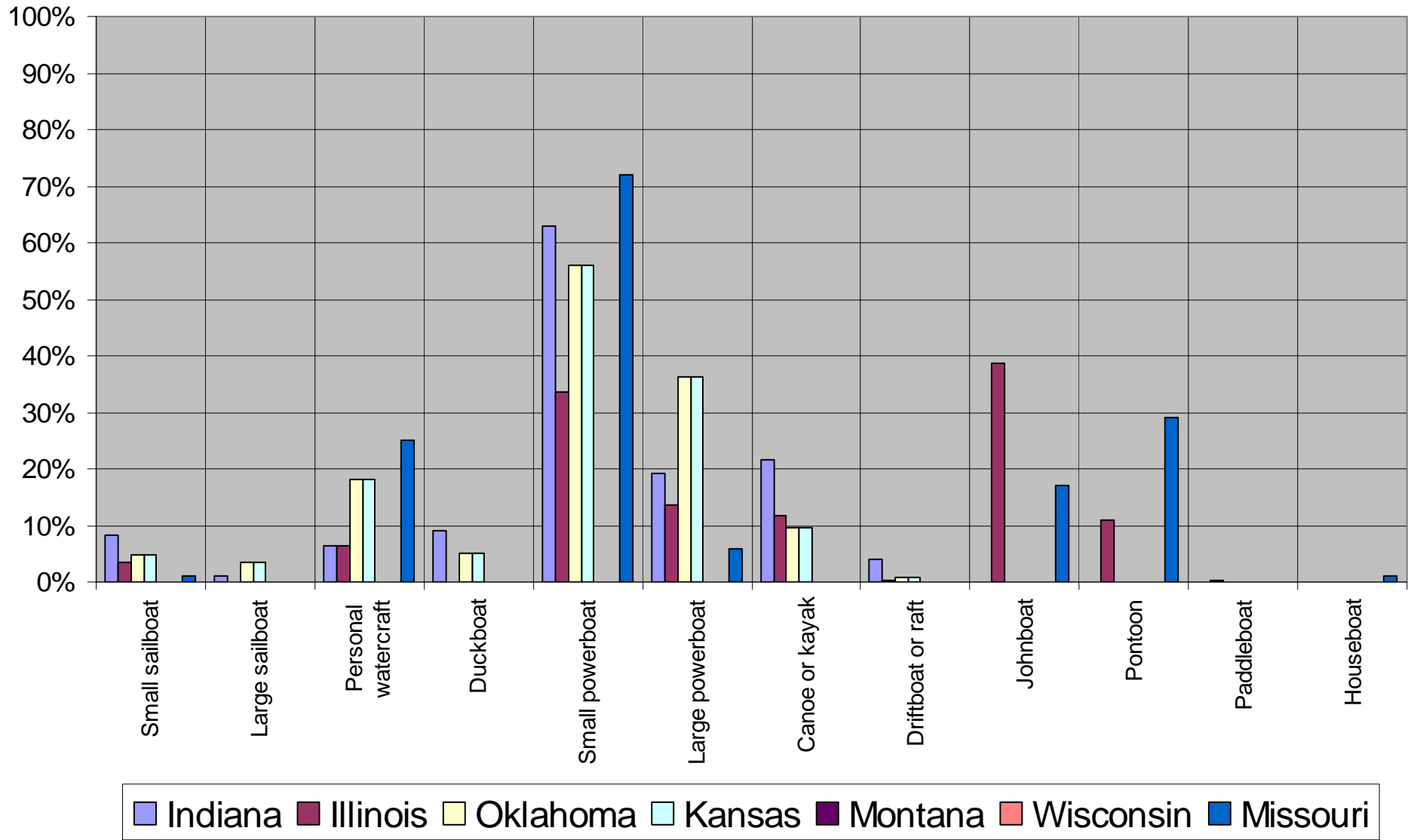


Question 8

What type of boats did you use in the last year?



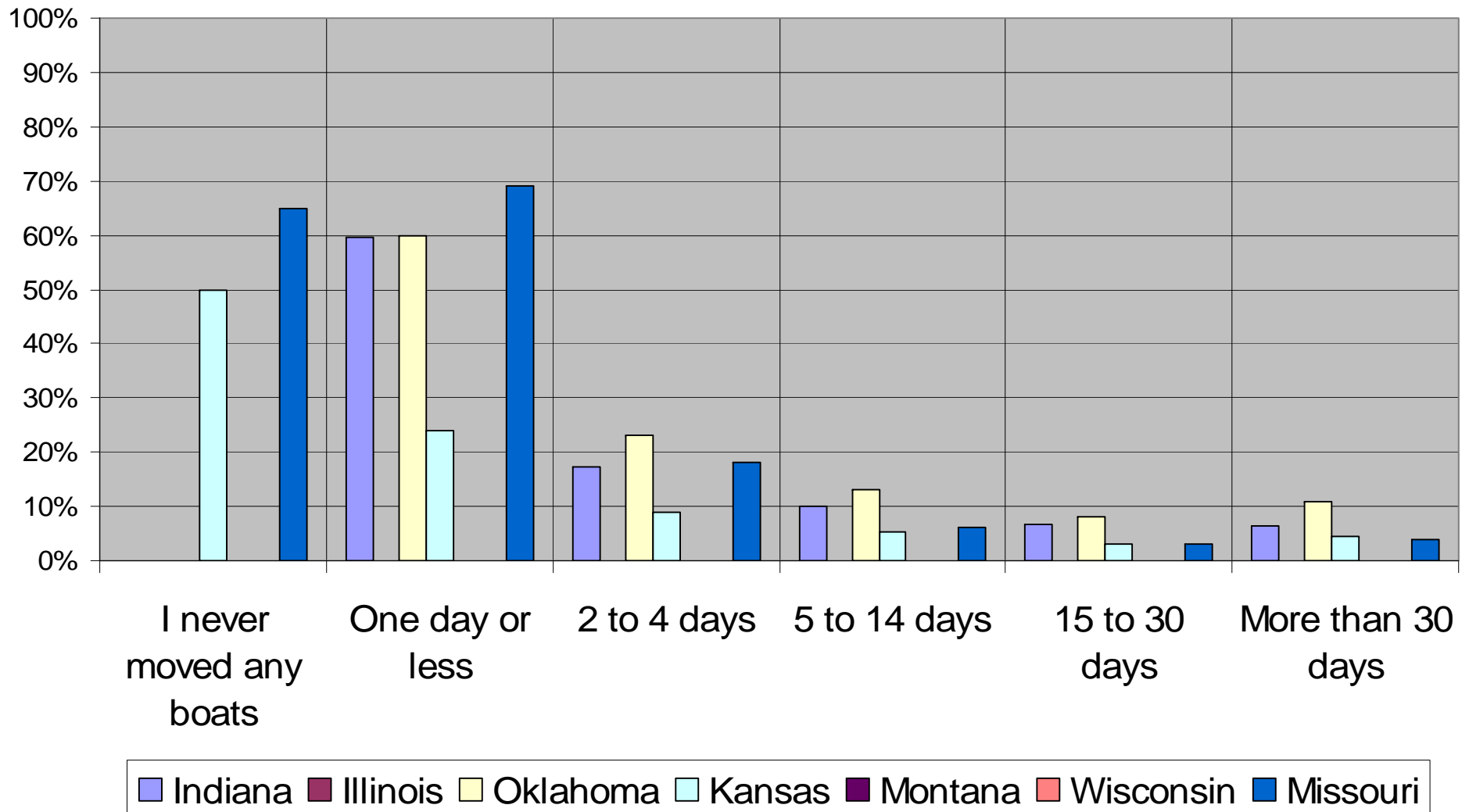
What type of boat did you use?



Question 9

Thinking about all boats you used during the last year, about how long was the boat(s) IN the water before being moved to a different waterbody? Do NOT include time on the boat lift.

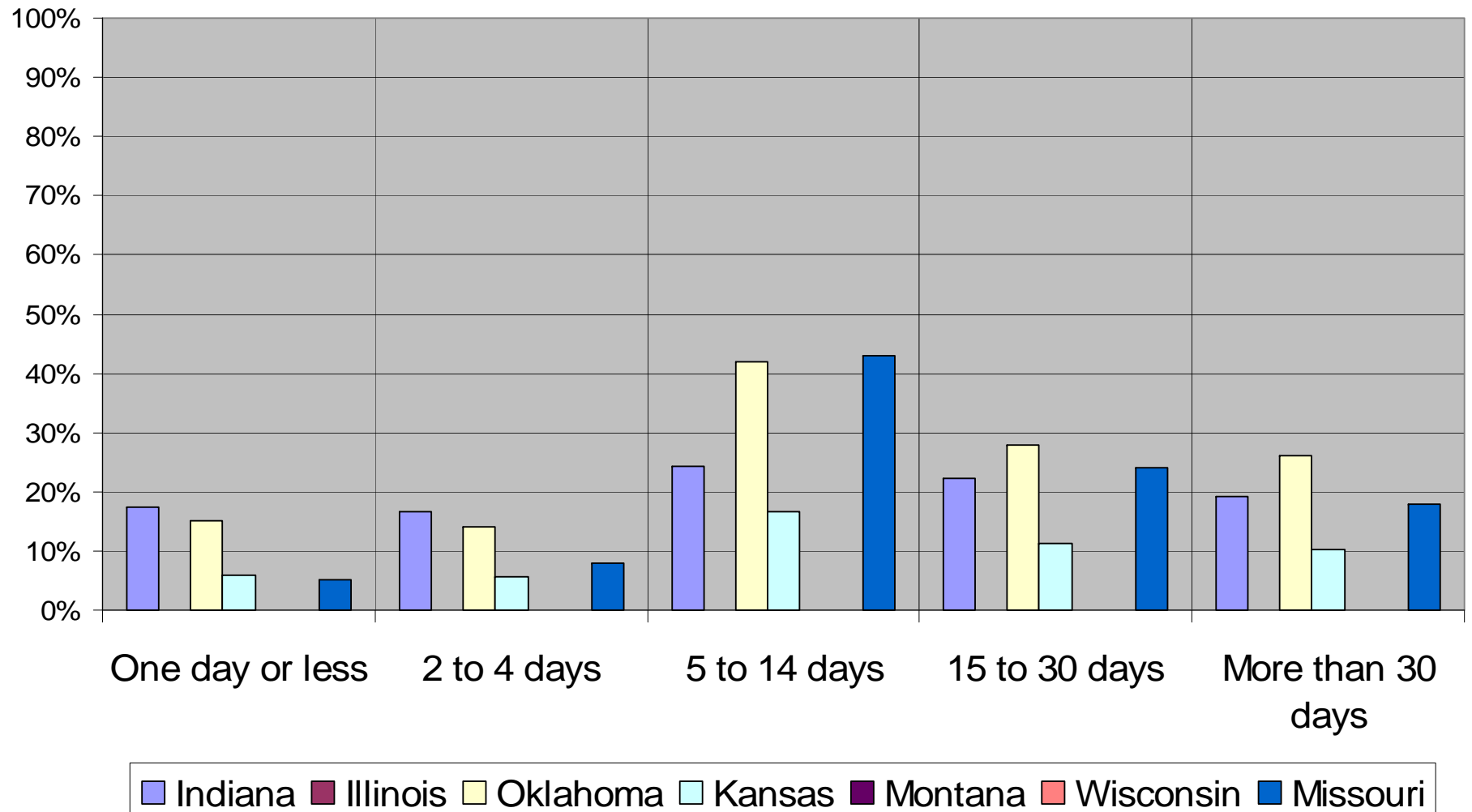
Time IN water



Question 10

About how long was the boat(s) OUT of water before you put it in a DIFFERENT waterbody than it was PREVIOUSLY used in? Include the amount of time on the trailer, on a boat lift, on a rack, or transported on a road.

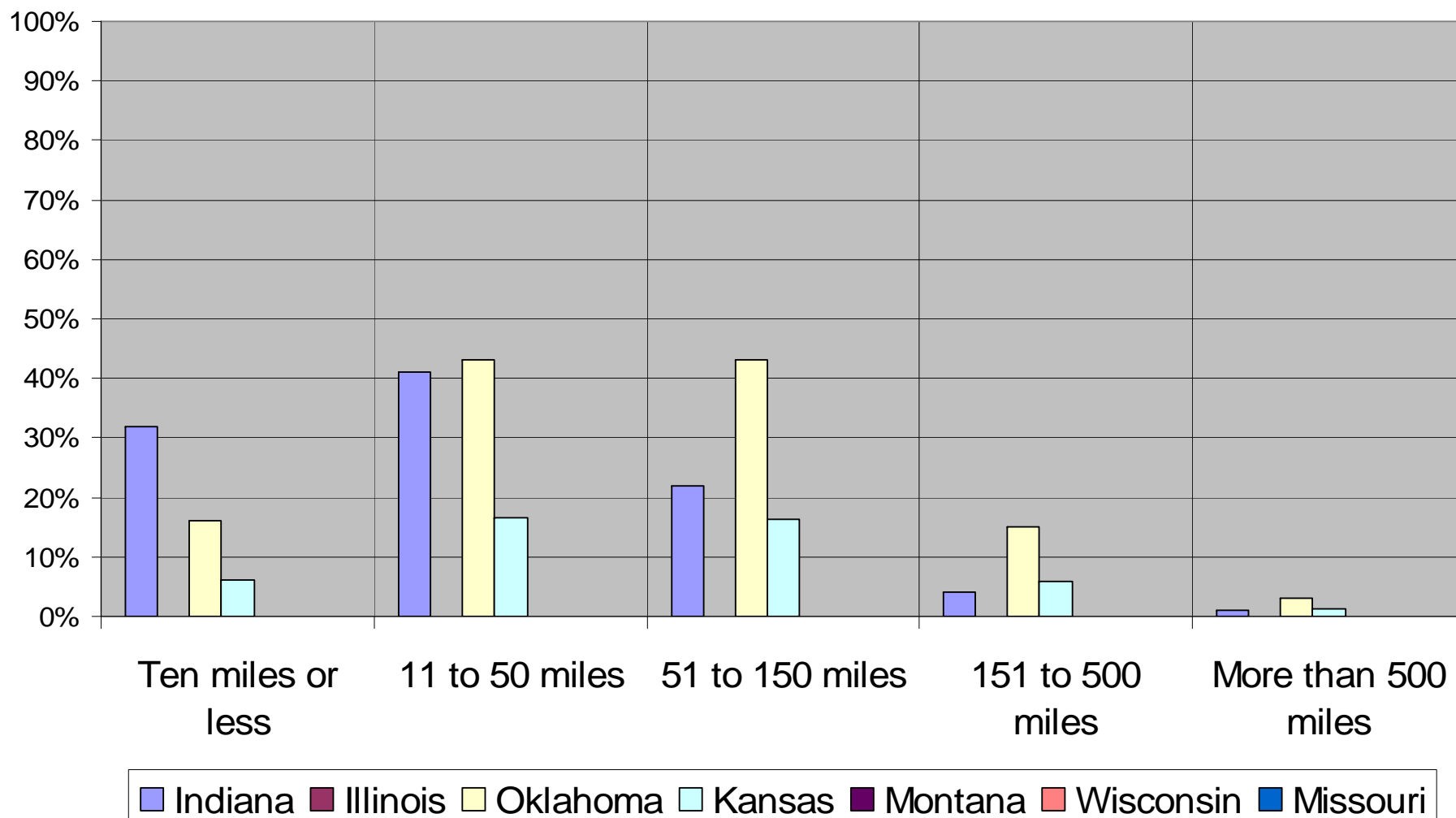
Time OUT OF water



Question 11

If you moved any boat(s) to a different waterbody than it was previously used in, how far apart were the different bodies of water?

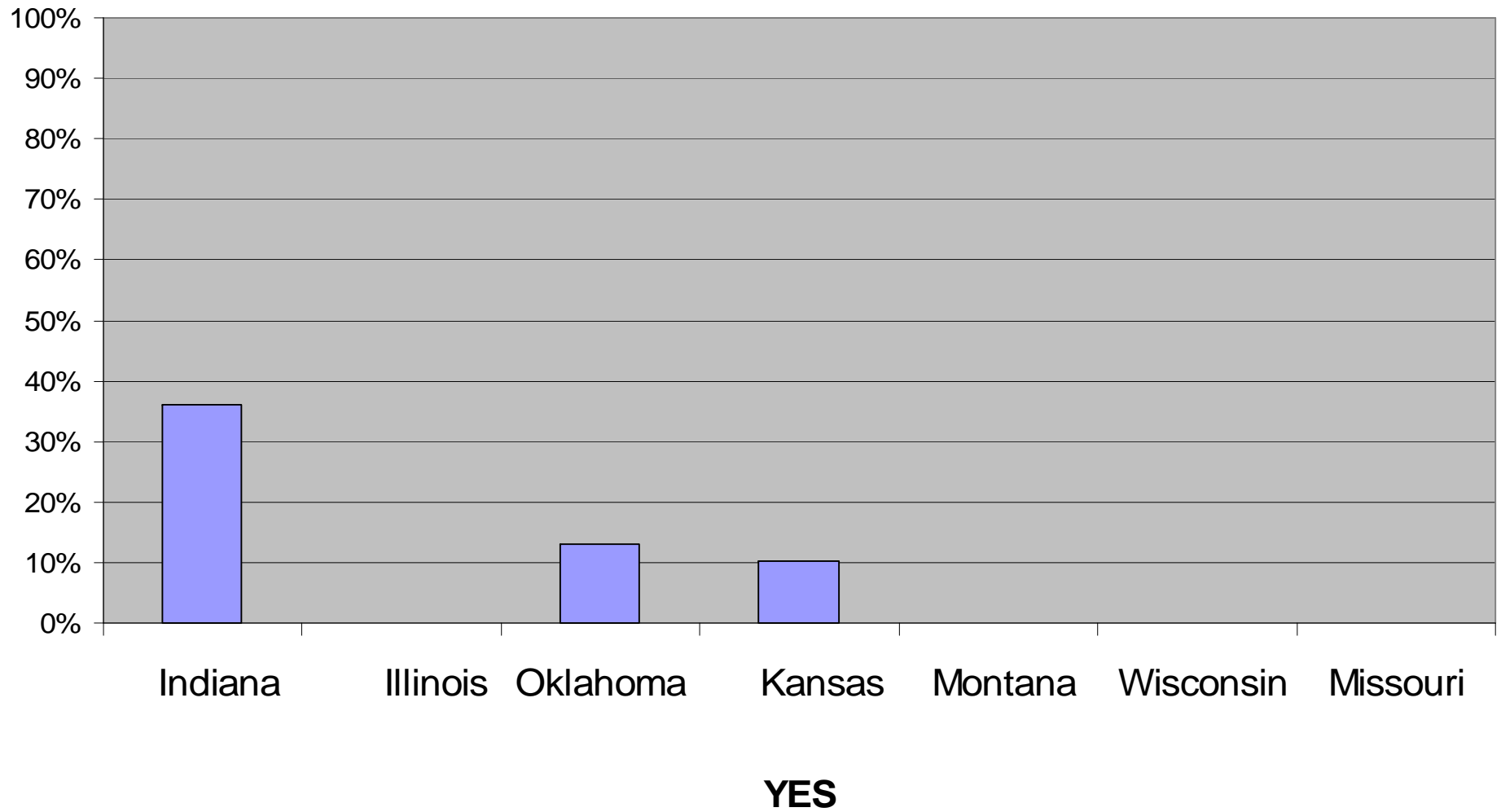
Distance between waterbodies



Question 12

During the last year, did you
TRANSPORT (by truck, trailer, car top,
etc.) any boat(s) to waters OUTSIDE the
state where the boat is licensed?

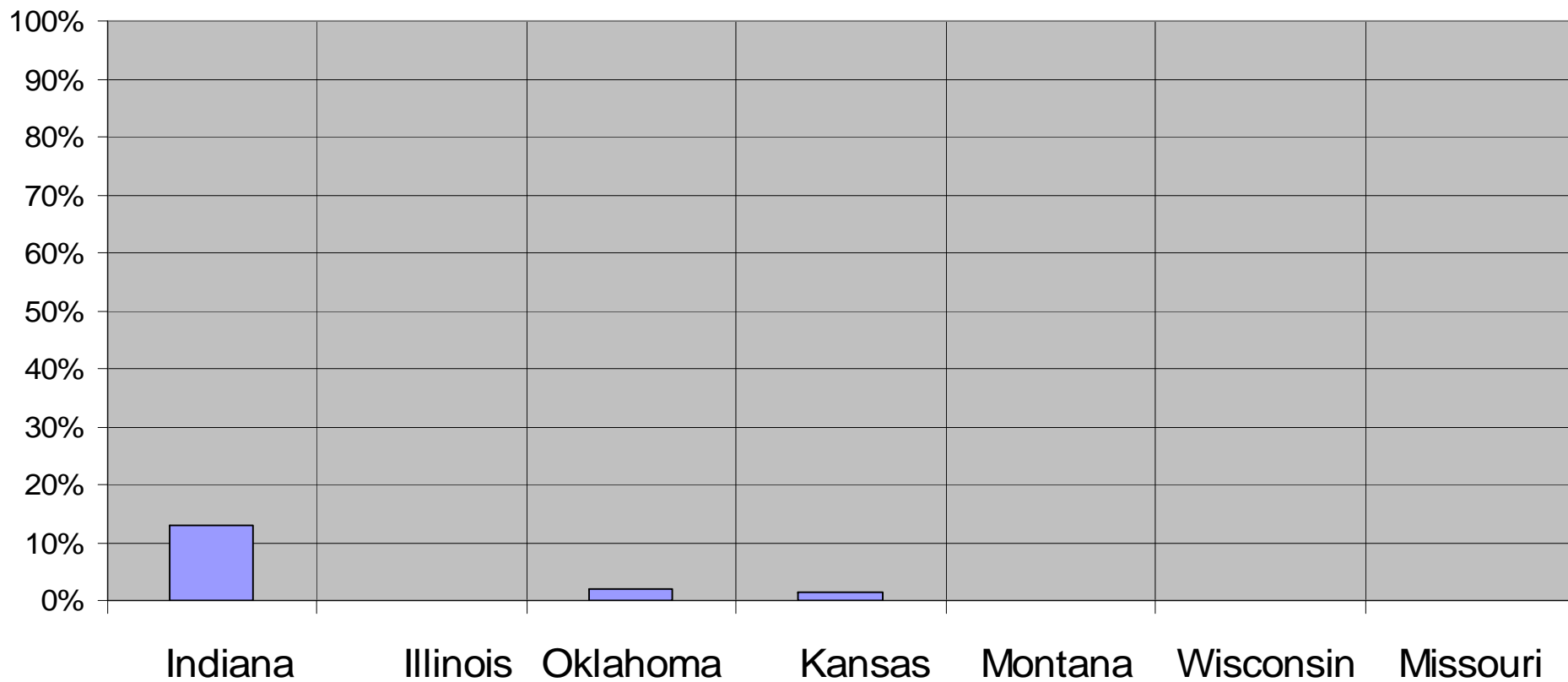
Did you transport any boats out of state?



Question 13

During the last year, did you move any boat(s) along connected waterways (such as rivers or canals) or along the coast FROM waters that you knew were infested with any of the aquatic nuisance species listed in Question 1 INTO uninfested waters?

Do you move along connected waterways from infested to uninfested waters?

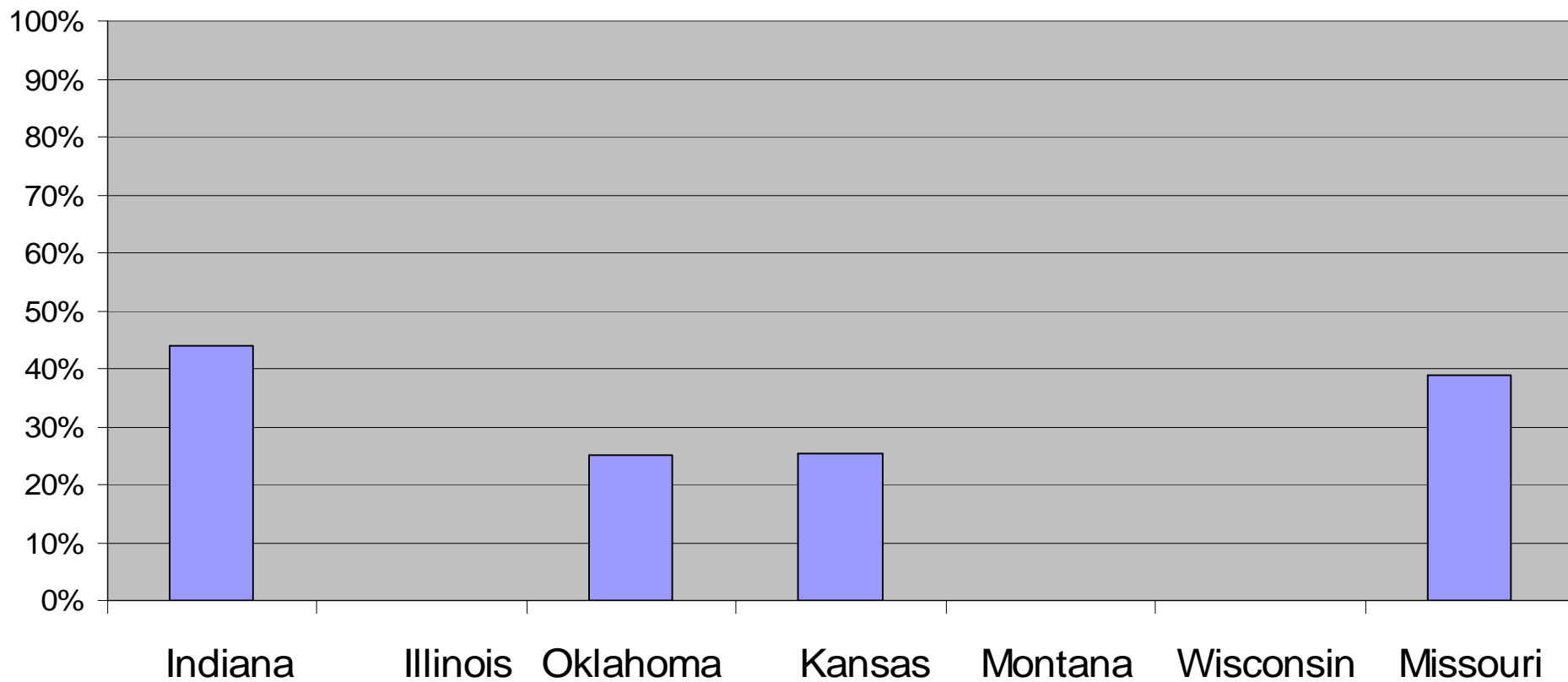


YES

Question 14

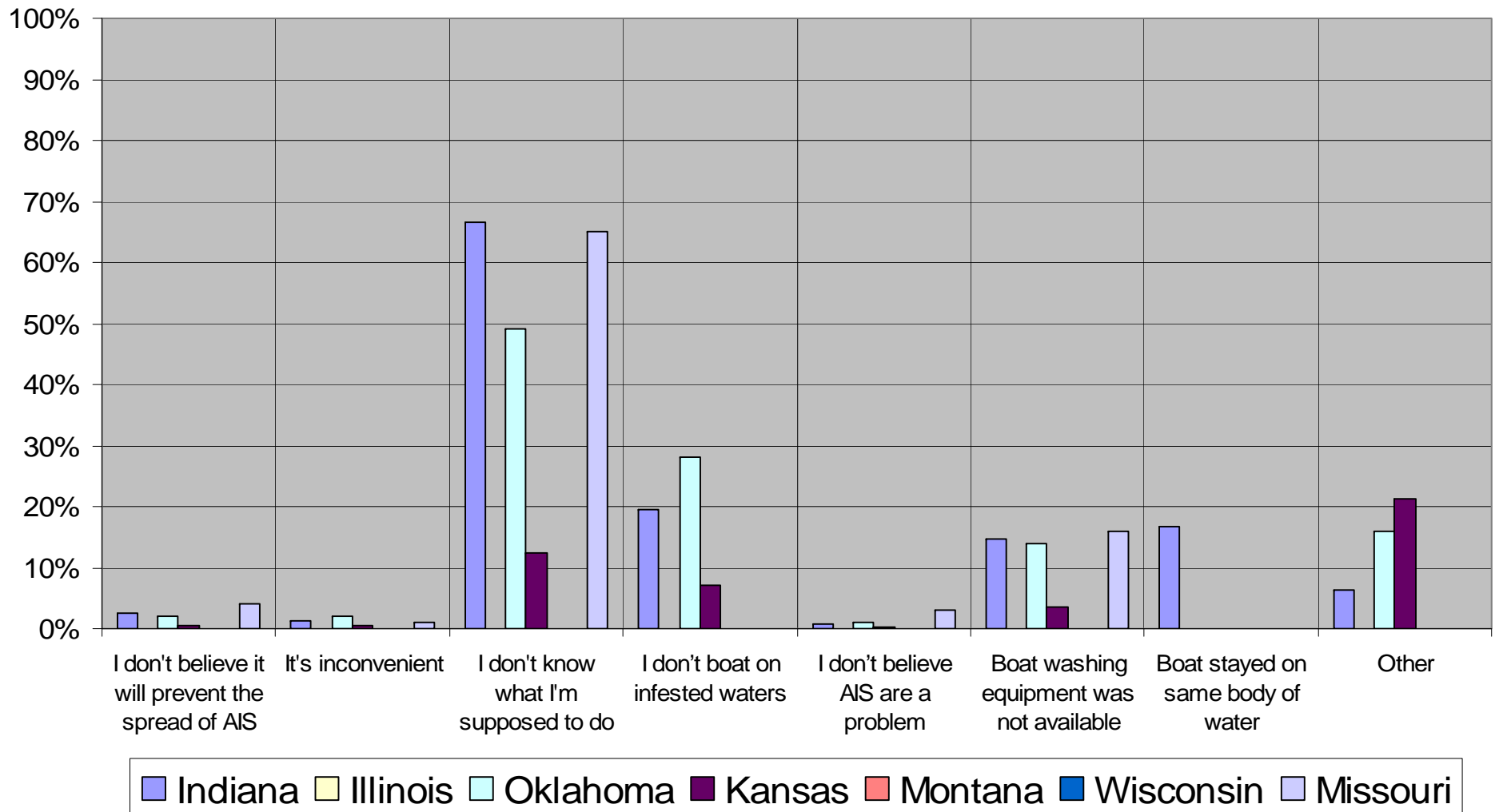
Before you transport the boat(s), do you take any special steps to prevent the transport of water or aquatic nuisance species from one body of water to another? If you did not take special precautions, why not?

Do you take any special steps to prevent transport of water or AIS before moving your boat?



NO

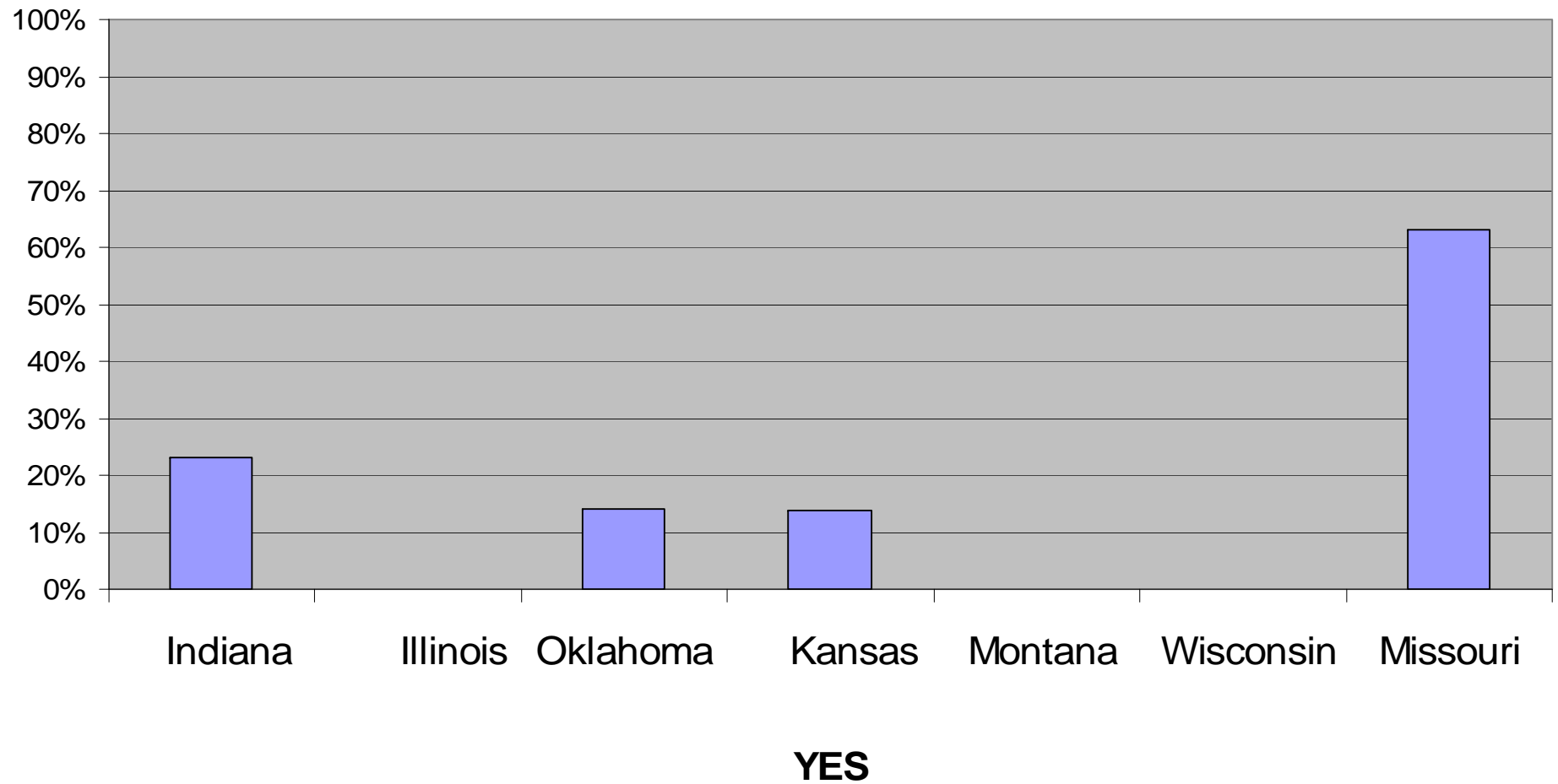
Why not?



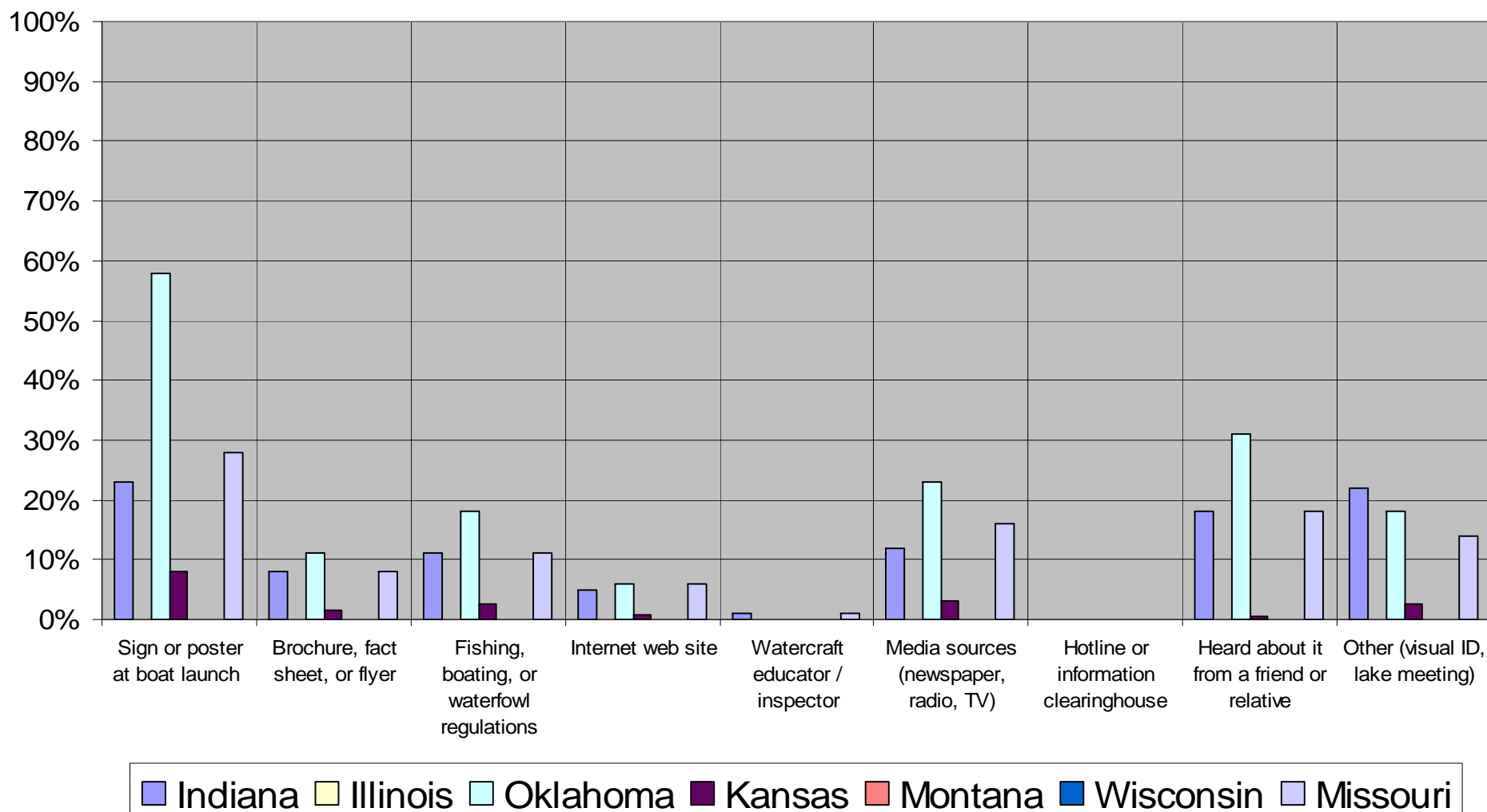
Question 15

During the last year, did you boat on waters that you knew were infested with ANY of the aquatic nuisance species in Question 1? If yes, how did you know that the waters were infested with an aquatic nuisance species?

During the past year did you boat on any waters you knew were infested with AIS?



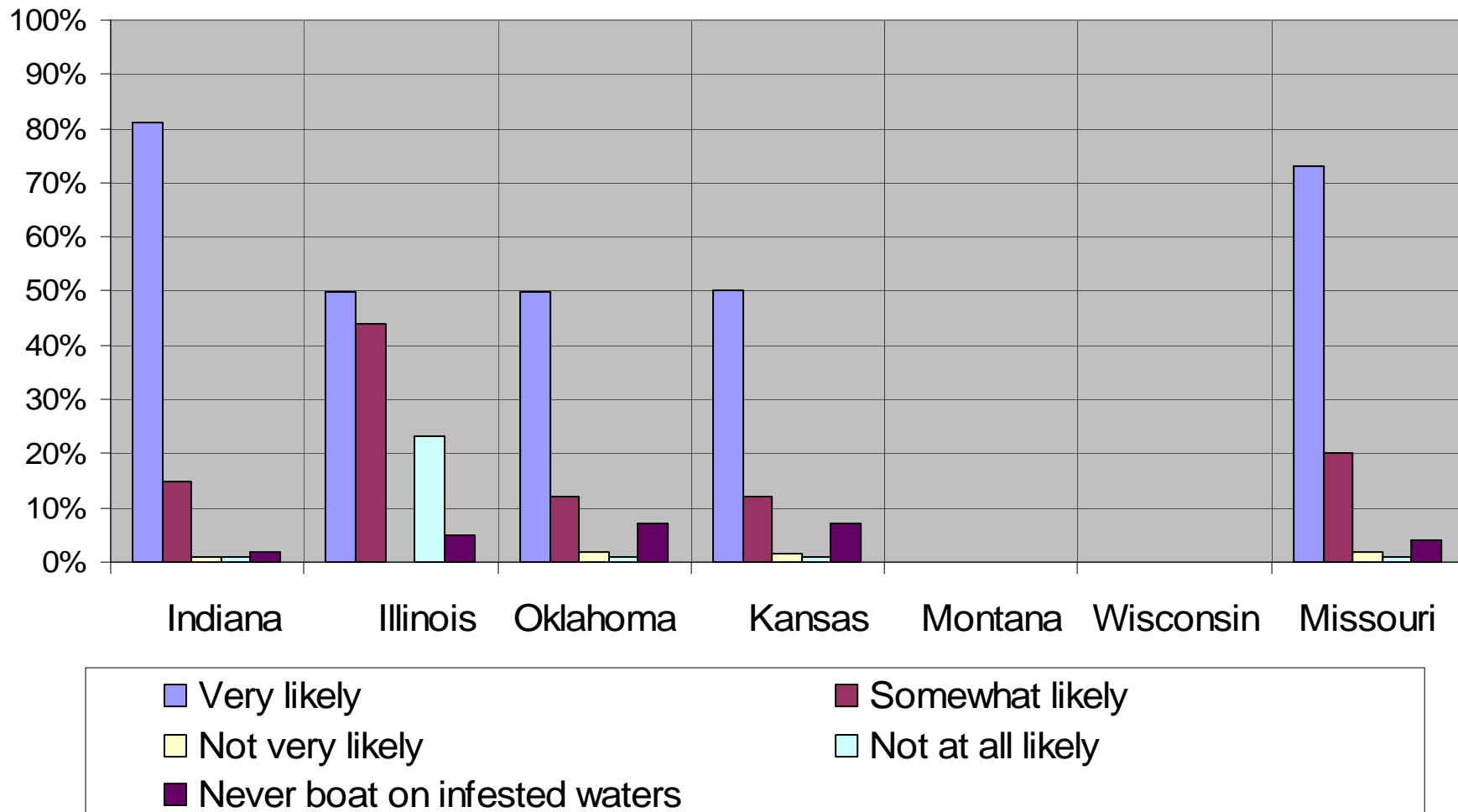
How did you know?



Question 16


If you do boat on infested waters, how likely is it that YOU will take precautions in the future to prevent the spread of aquatic nuisance species between bodies of water?

How likely is it that you will take precautions in the future?



Question 17

After removing boat(s) from the water, how often do you do the following?



Visually inspect boat and equipment for aquatic plants and animals

Drain water from boats, including live wells, bilge, and bait buckets

Avoid release of unwanted live bait into the water

Remove aquatic plants and animals

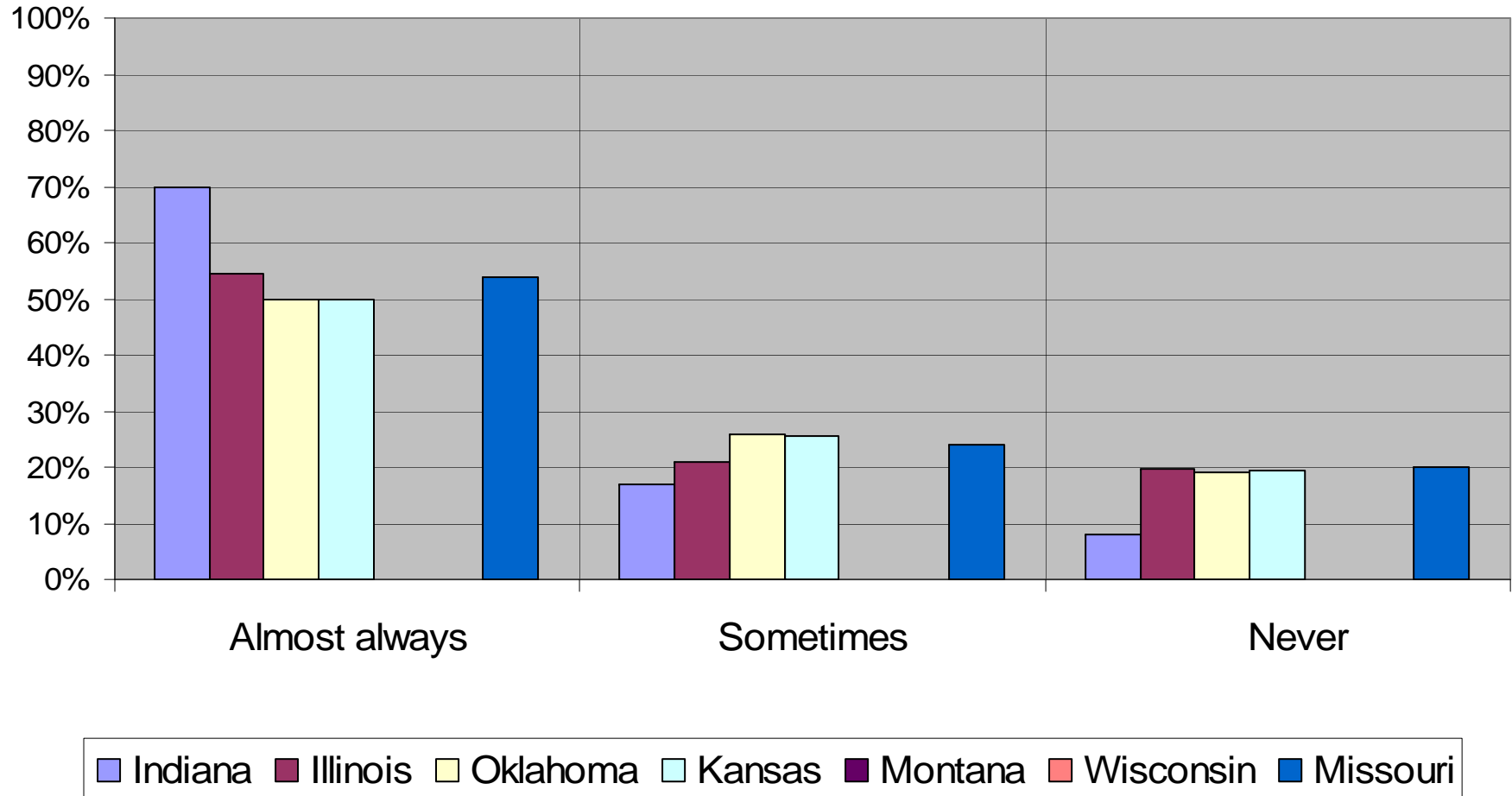
Flush motor's cooling system with tap water

Rinse boat with high pressure and/or hot water

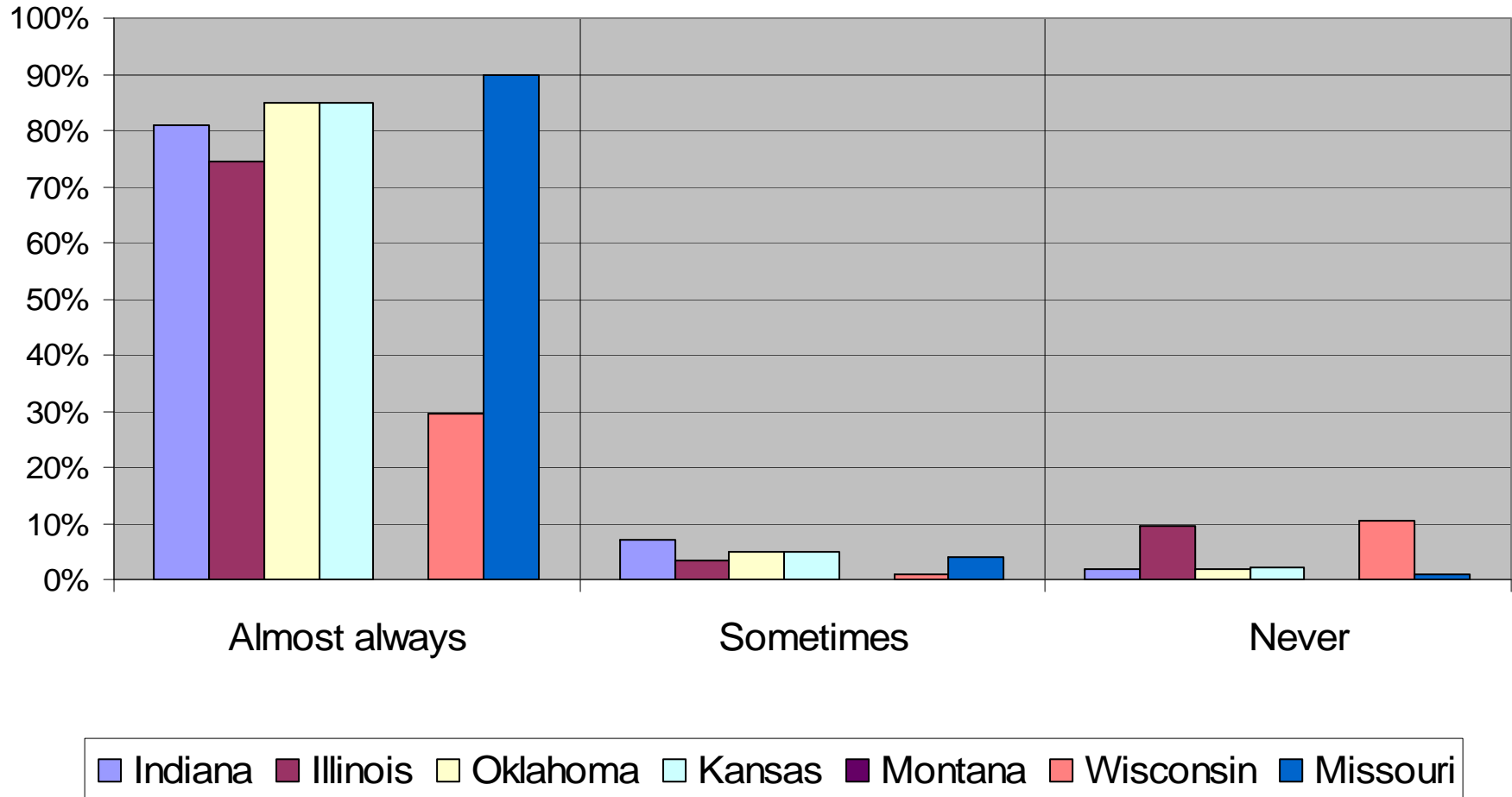
Allow boat to dry at least five days

Other (please specify)

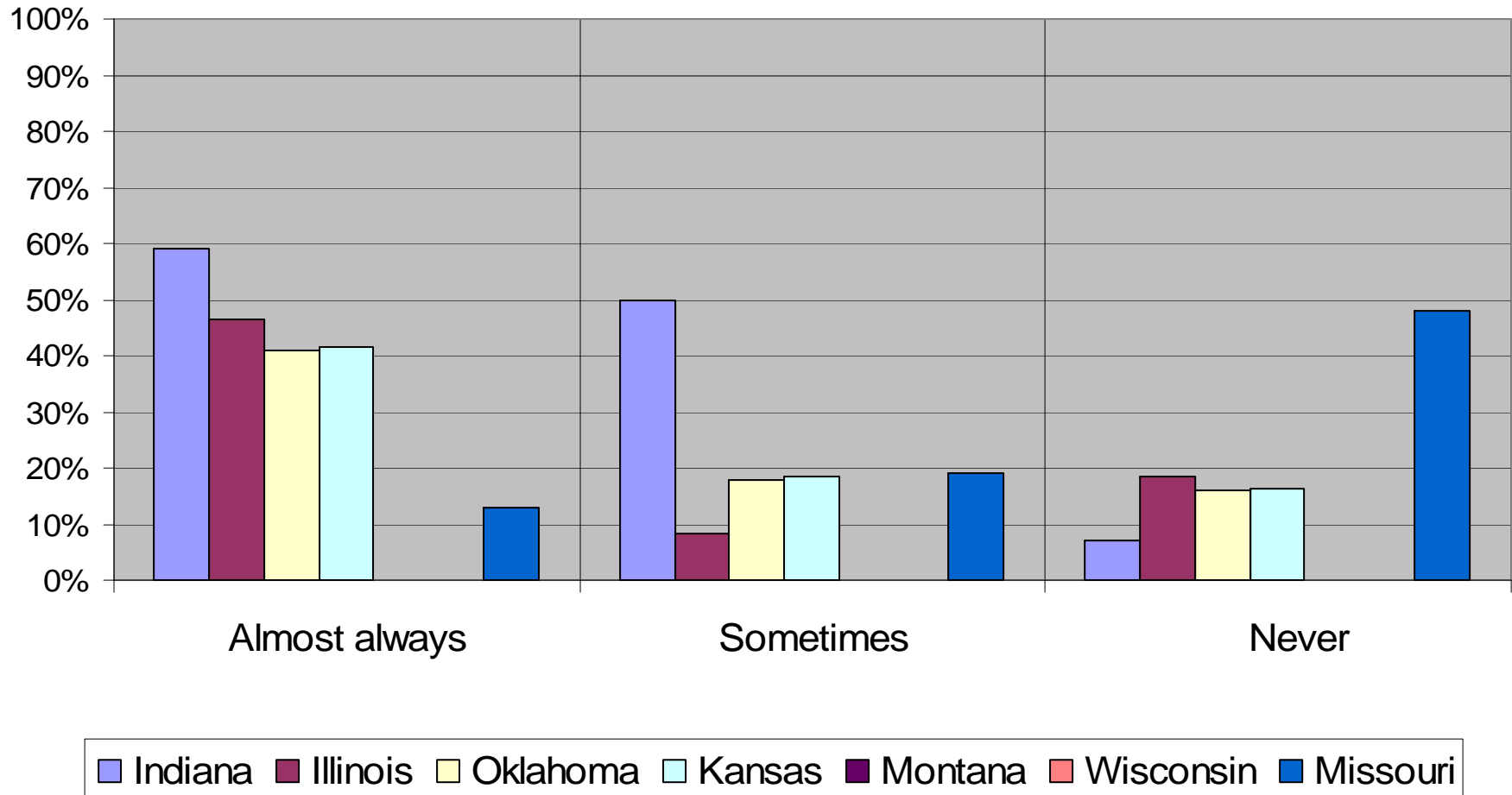
Visually inspect boat and equipment for aquatic plants and animals



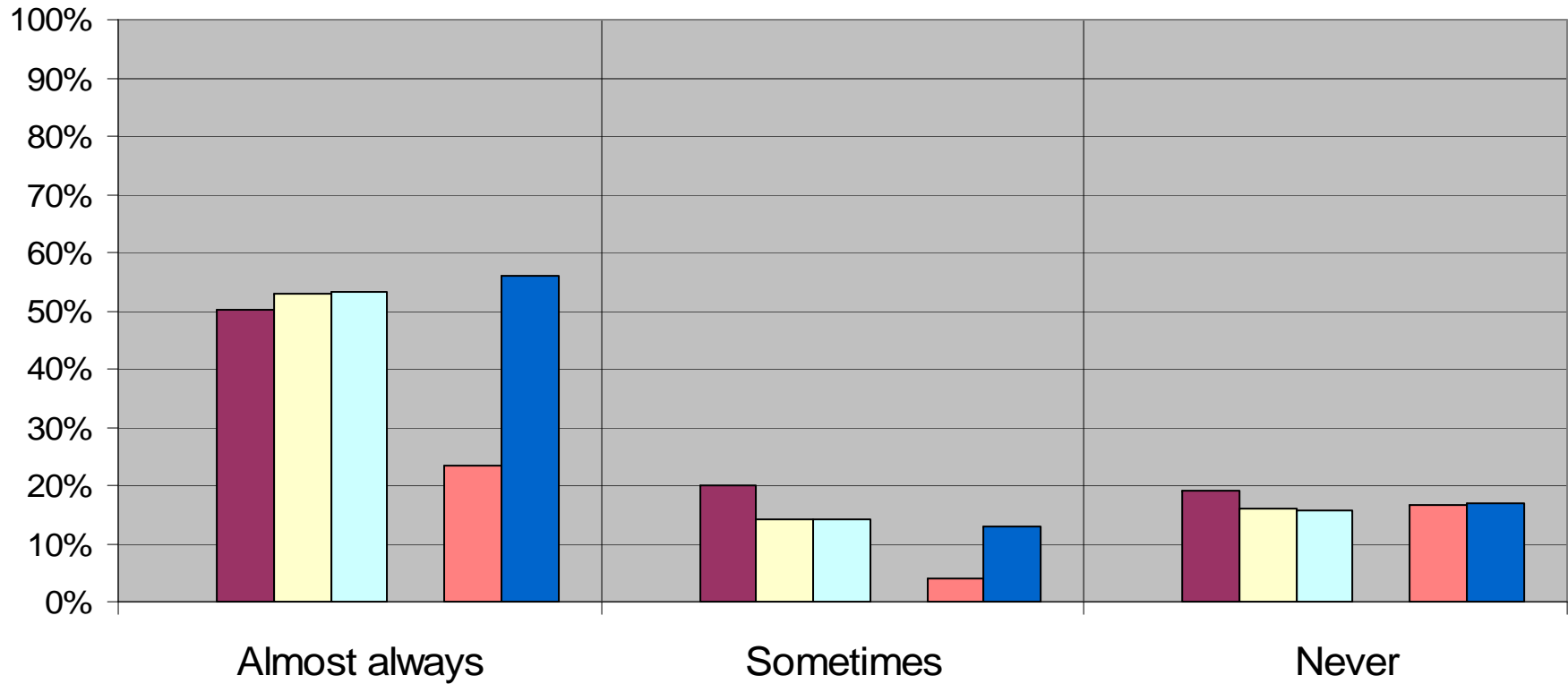
Drain water from boats, live wells, bilge, bait buckets



Avoid release of unwanted bait into water

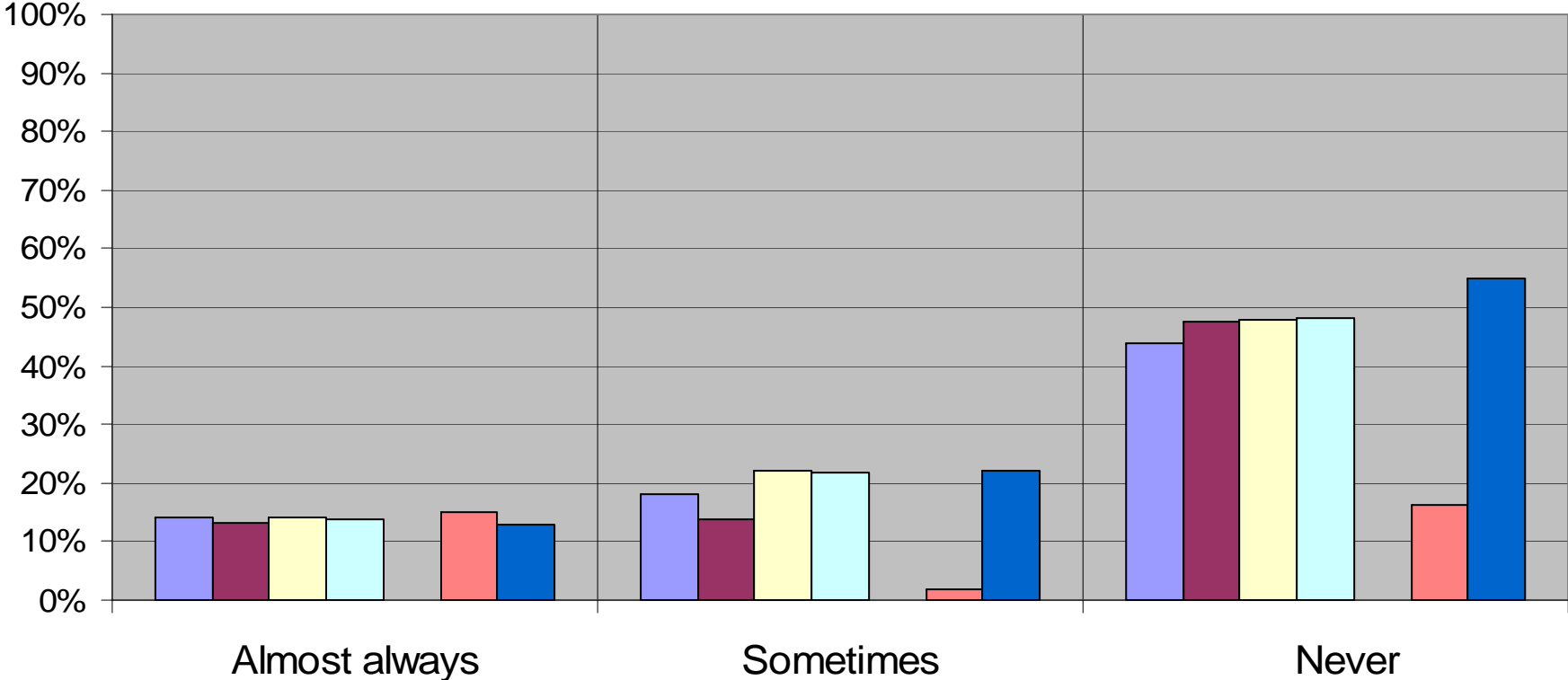


Remove aquatic plants and animals



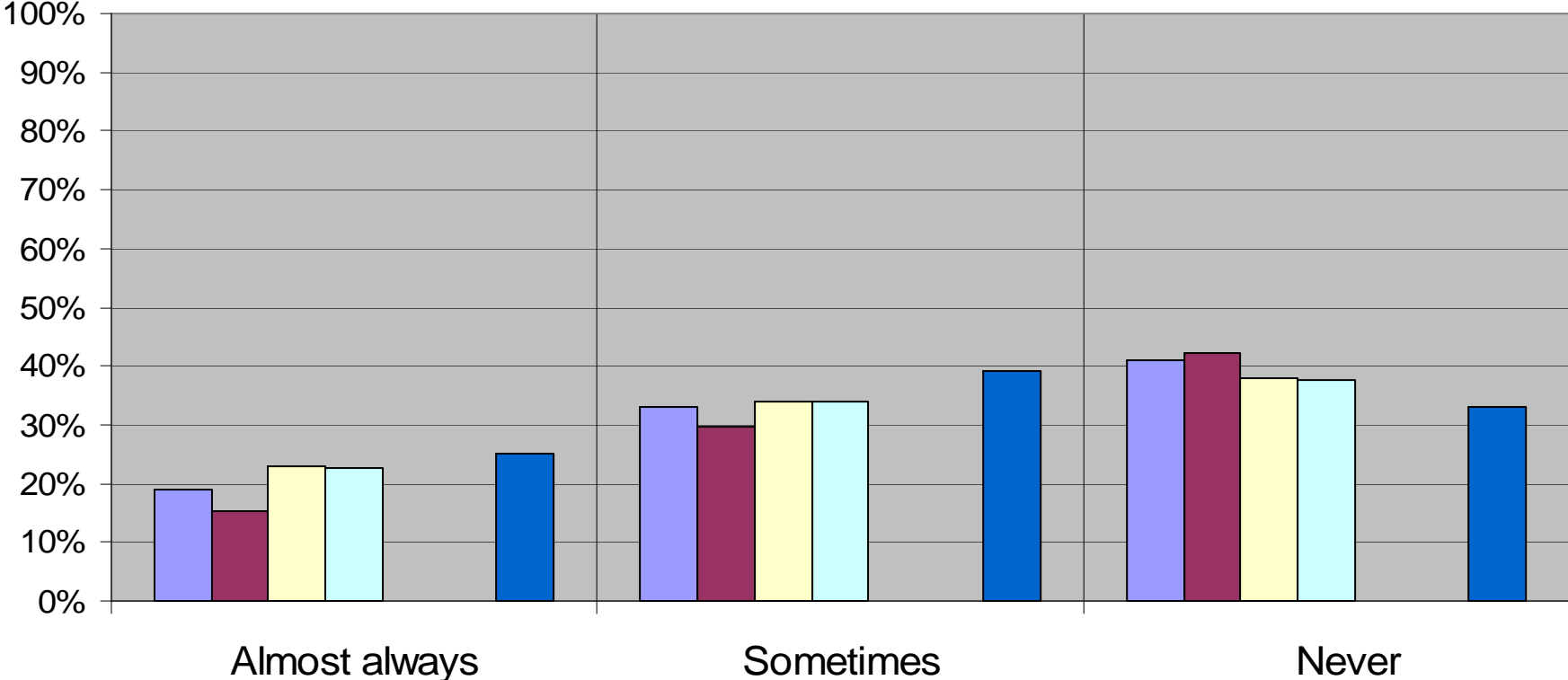
■ Indiana ■ Illinois ■ Oklahoma ■ Kansas ■ Montana ■ Wisconsin ■ Missouri

Flush engine cooling system with tap water



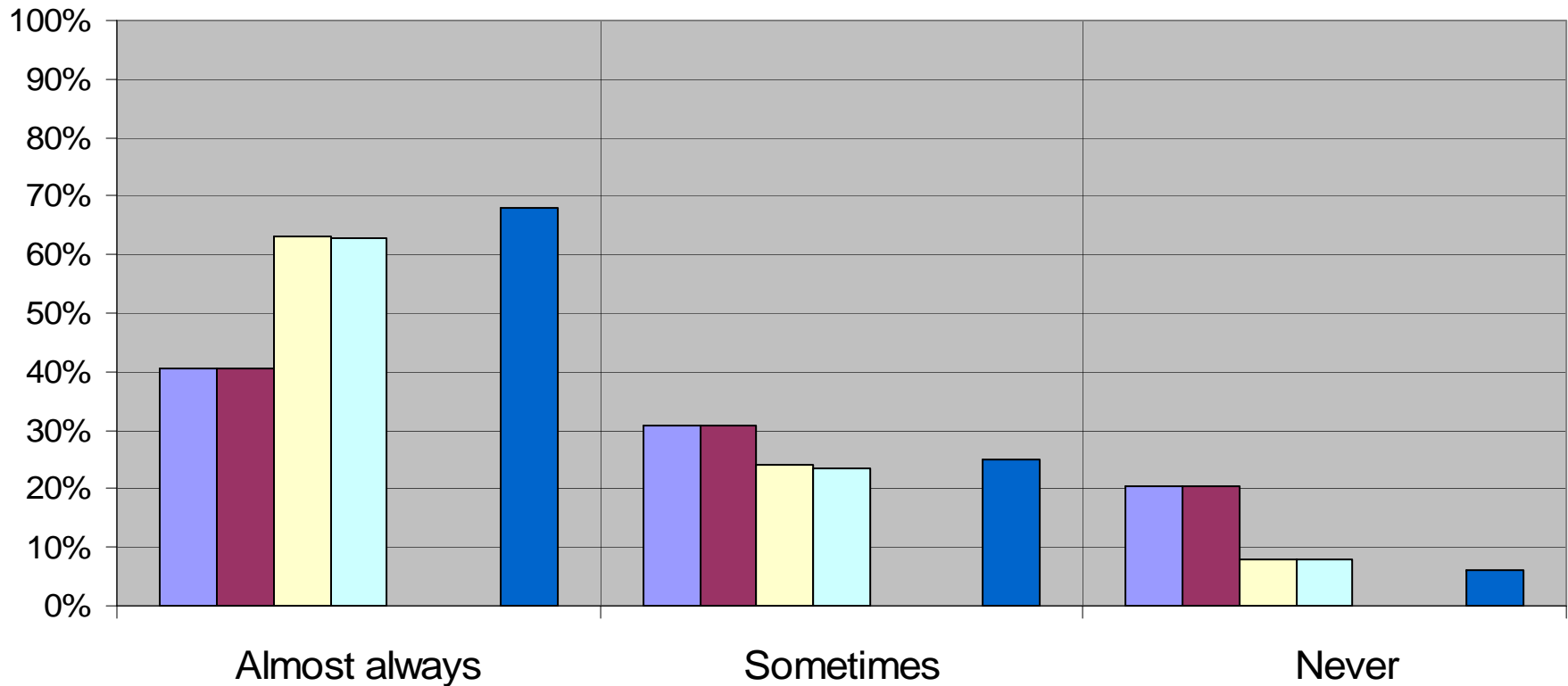
Legend: Indiana (purple), Illinois (maroon), Oklahoma (yellow), Kansas (cyan), Montana (dark purple), Wisconsin (red), Missouri (blue)

Rinse boat with high pressure and/or hot water



Legend: Indiana (light purple), Illinois (maroon), Oklahoma (yellow), Kansas (cyan), Montana (dark purple), Wisconsin (red), Missouri (blue)

Allow boat to dry for at least five days

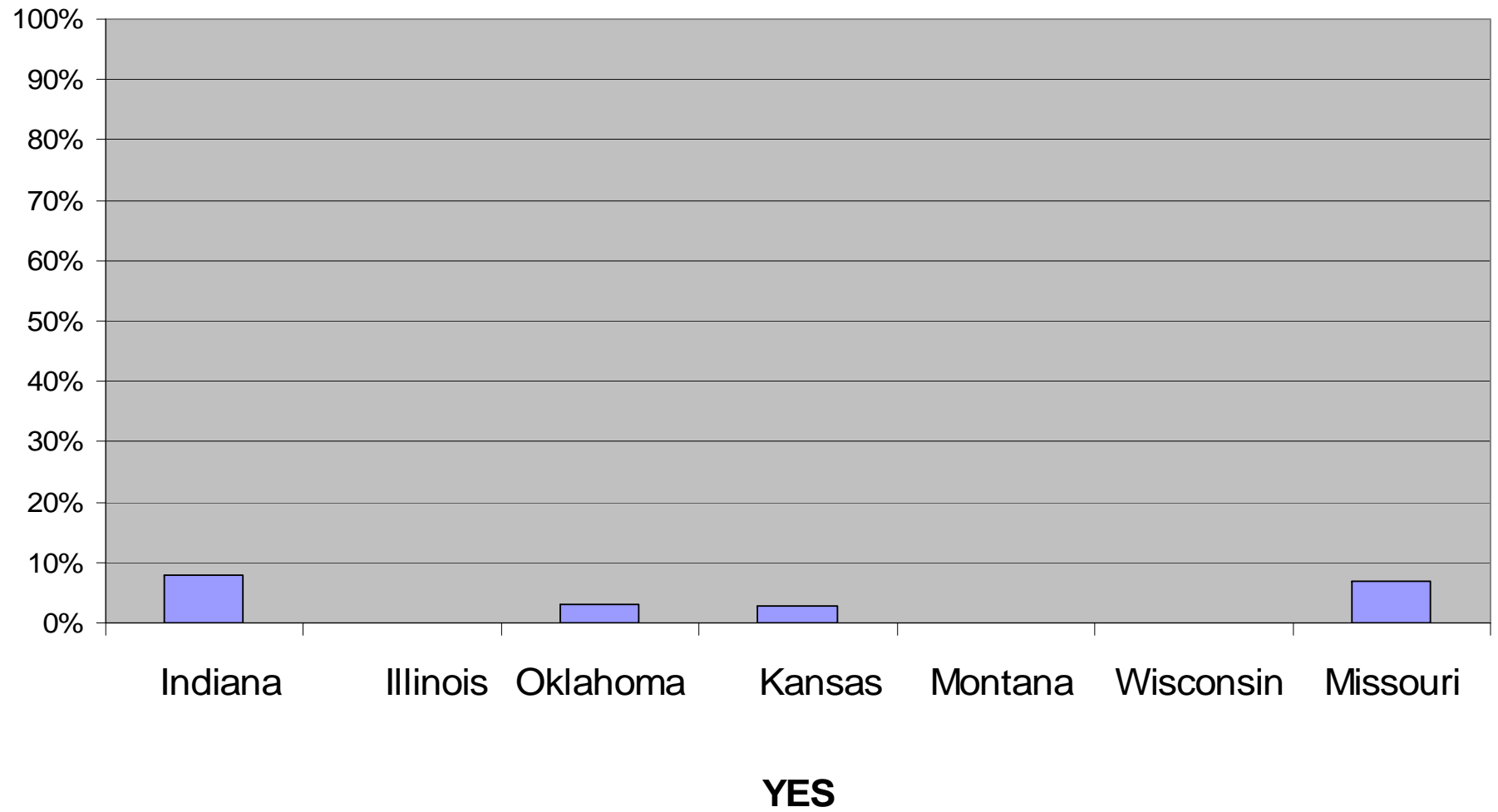


Legend: Indiana (light blue), Illinois (maroon), Oklahoma (yellow), Kansas (cyan), Montana (purple), Wisconsin (red), Missouri (dark blue)

Question 18

Have aquatic nuisance species caused problems for you or affected your recreational experience during the last year?

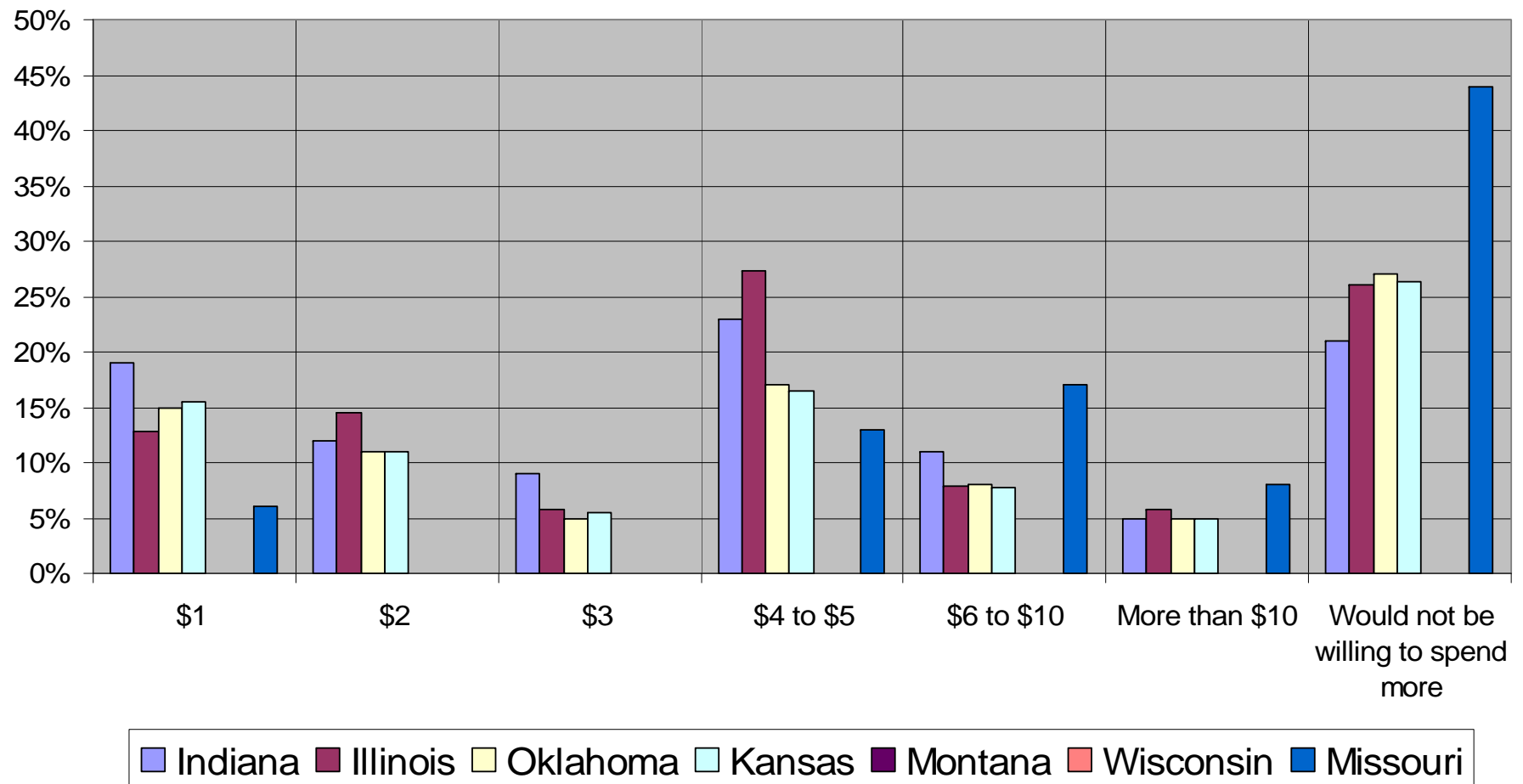
Have ANS caused you problems in past year?



Question 19

How much MORE would you be willing to spend for a fishing license if the additional money was used to fund activities to prevent the spread of aquatic nuisance species and to reduce their harmful effects?

How much more would you be willing to spend on license if \$ were used for ANS issues?



In the future:

- Make it clear that we are providing “assistance” to the agency and are not doing our own survey
- Post-survey: Provide spreadsheet with questions and blank boxes to be filled to make it easier to compile results

Data summary template

Microsoft Excel - ANS_Boater Survey summary.xls

File Edit View Insert Format Tools Data Window Help

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	MRBP-sponsored Boater/ANS survey															
2	Summary of results															
3	The purpose of this summarization is to provide the MRBP with a summarization of the results of your survey that will be compatible with similar surveys done by others. It is not intended to replace any reports that your state/agency may need or desire. With the exceptions of questions 4, 6 and 9, enter the appropriate percentages in the empty boxes.															
4																
5	State															
6																
7	Year															
8																
9	Q1 How much information have you heard or read about each of the aquatic nuisance species listed below?															
10																
11					a large amount	a moderate amount	a small amount	none								
12	a.	zebra mussels														
13	b.	eurasian watermilfoil														
14	c.	asian carp														
15	d.	purple loosestrife														
16	e.	spiny waterflea														
17	f.	round goby														
18	g.	eurasian ruffe														
19	h.	rusty crayfish														
20	i.	other														
21																
22																
23	Q2 In your opinion, how important is it that boaters and anglers take precautions to prevent the spread of each of the following aquatic nuisance species from one body of water to another?															

[For questions 1 and 2, replace the species with those that you used for your state's survey.]

Sheet1 Sheet2 Sheet3

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Future survey ideas

- Phone surveys and mail surveys really need the questions to be structured differently
- Tighten up and restructure our survey questions (K.I.S.S.)
- Internet survey with unique access code (Prizes to encourage participation?)