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Password: <<Password>>

In order to make sound decisions concerning the future of Iowa lakes, it is important to understand how they are used, as well as which factors influence your selection of lakes to visit. The answers you give to the questions in this survey are very important. Even if you have not visited any lakes in Iowa, please complete and return the questionnaire. It is critical for our research to understand the characteristics and views of both those who use and those who do not use Iowa's lakes.

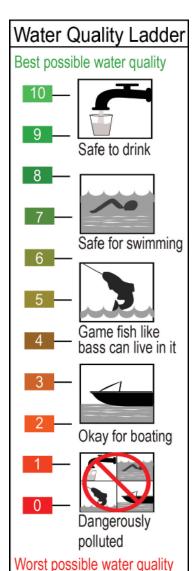
In this first section of the survey, we would like to find out which of the lakes on the enclosed map you or any members of your household visited and what you did there.

1. Have you or any member of your household visited any lakes in Iowa this year?

Yes No

If you checked "No" to question 1 skip to question 8 on page 12.

2. We are very interested in your and your household's usage of Iowa's lakes—the activities you undertake while visiting them, and your perception of the water quality.



On the table of lakes listed on pages 4–10 we ask you to do the following:

- Record the number of single day and overnight visits you made since January 1, 2014 or plan to make before December 31, 2014.
- Place a checkmark in each of the appropriate boxes to indicate the activities you undertook or plan to undertake in 2014.
- For any lake with which you are familiar, please rate the water quality by assigning a number between 0 and 10 based on the water quality ladder pictured. Familiar lakes include both those that you have visited this year as well as those you have visited in the recent past.

Reading the Water Quality Ladder

The Water Quality Ladder runs from 0 to 10. The lowest level, 0, is so polluted that it has raw sewage, animal waste, toxic algae, and/or other things in it like trash; it has almost no plant or animal life, smells bad, and contact with it is dangerous to human health.

In contrast, water quality that is a 2 or 3 ("boatable") would not harm you if you happened to fall into it for a short time while boating or sailing. Water quality that rates a 4, 5, or 6 ("fishable") is a higher level of quality than "boatable." Although some kinds of fish can live in boatable water, it is only when water is "fishable" that game fish like bass can live in it. Finally, a rating of 7 or 8 ("swimmable") is water of a high enough quality that it is safe to swim in and ingest in small amounts.

Water Quality Ladder Safe for swimming Game fish like bass can live in it Okay for boating Worst possible water quality Best possible water quality Safe to drink Dangerously polluted 10 80 Water Quality Assessment 0 to 10 Other Trail use Nature/ wildlife watching Relaxing, and or picnicking Camping Please check all that apply Fishing Swimming and/or beach use Jet skiing, water skiing, or tubing Canoeing, kayaking, or v sailing Boating with motor Single-day Overnight Number of visits (Jan. – Dec. 2014) trips you have visited or plan to visit a lake. Please record the NUMBER of times trips Black Hawk Lake (Sac) Badger Lake (Webster) Blue Heron Lake (Polk) Arrowhead Lake (Sac) Beeds Lake (Franklin) Big Creek Lake (Polk) Big Hollow Lake (Des Avenue of the Saints Pond (Bremer) Beaver Lake (Dallas) Blue Lake (Monona) Badger Creek Lake Briggs Woods Lake (Hamilton) Brushy Creek Lake (Webster) Ada Hayden Lake Bob White Lake (Wayne) Carter Lake (Pottawattamie) **Arrowhead Pond** Belva Deer Lake (Keokuk) (Pottawattamie) Name of Lake Big Spirit Lake Browns Lake (Woodbury) Arbor Lake (Poweshiek) (Dickinson) (Madison) (County) Moines) (Story)

This information is very important.

		Water Quality Ladder	10 — 11	Jaint of of o	Sale to drills		Safe for swimming	A	Game fish like bass can live in it	3	Okay for boating		0 — Dangerously	polluted Worst possible water quality								
	Water Quality Assessment 0 to 10		Н				В		В				Н			В	Н	\Box			Н	
	Other																					
	Trail																					
	Nature/ wildlife watching																					
	Relaxing, and or picnicking																					
apply	Camping																					
eck all that	Fishing																					
Please check all that apply	Swimming and/or beach use																					
	Jet skiing, water skiing, or tubing																					
	Canoeing, kayaking, or v																					
	Boating with motor																					
	of visits sc. 2014) Overnight trips	B			\blacksquare										\Box	$oxed{\Box}$	\blacksquare	\blacksquare	\Box			
	Number of visits (Jan. – Dec. 2014) Single-day Overnig trips	B	Н	В	В	В	В	В	В	В	\blacksquare		Н			В	В	В	\blacksquare	В	$oxed{B}$	
	Name of Lake (County)	Casey Lake [aka Hickory Hills Lake] (Tama)	Center Lake (Dickinson)	Central Park Lake (Jones)	Clear Lake (Cerro Gordo)	Cold Springs Lake (Cass)	Coralville Reservoir (Johnson)	Crawford Creek Impoundment (Ida)	Crystal Lake (Hancock)	DeSoto Bend Lake (Harrison)	Diamond Lake (Poweshiek)	Dog Creek Lake (O'Brien)	Don Williams Lake (Boone)	East Lake (Osceola) (Clarke)	East Okoboji Lake (Dickinson)	Easter Lake (Polk)	Eldred Sherwood Lake (Hancock)	Five Island Lake (Palo Alto)	Fogle Lake (Ringgold)	Volga Lake [aka Frog] Hollow Lake (Fayette)	Lake Geode (Henry)	George Wyth Lake (Black Hawk)

Water Quality Ladder Safe for swimming Game fish like bass can live in it Worst possible water quality Okay for boating Best possible water quality Dangerously Safe to drink polluted 10 Water Quality Assessment 0 to 10 Other Trail use Nature/ wildlife watching Relaxing, and or picnicking Camping Please check all that apply Fishing Swimming and/or beach use Jet skiing, water skiing, or tubing Canoeing, kayaking, or v Boating with motor Overnight trips Number of visits (Jan. – Dec. 2014) you have visited or plan to visit a lake. Single-day trips Lacey Keosauqua Park Green Belt Lake (Black Greenfield Lake (Adair) Lake Ahquabi (Warren) Hannen Lake (Benton) -ake Cornelia (Wright) Ingham Lake (Emmet) Hawthorne Lake [aka Barnes City Lake] (Mahaska) Lake Icaria (Adams) Hickory Grove Lake Hooper Area Pond Green Castle Lake Green Valley Lake Grays Lake (Polk) -ake lowa (lowa) -ake Anita (Cass) Lake (Van Buren) Indian Lake (Van Kent Park Lake (Johnson) Name of Lake (County) Lake Hendricks Lake Keomah (Mahaska) Lake Darling (Washington) (Marshall) (Howard) (Warren) (Union) Hawk) (Story) Buren)

This information is very important.

Please record the NUMBER of times

		Water Quality Ladder	best possible water quality	6	Safe to drink	<u> </u>	Safe for swimming		Game fish like bass can live in it	3	Okay for hoating	Suppose for four	— O	polluted Most possible mater gradity	Worst possible water quality							
	Water Quality Assessment 0 to 10	В	В	В	В	В	В	В	В	В	В		В	В	В	В	В	В	В	В		
	Other																					
	Trail																					
	Nature/ wildlife watching																					
	Relaxing, and or picnicking																					
ıt apply	Camping																					
eck all tha	Fishing																					
Please check all that apply	Swimming and/or beach use																					
	Jet skiing, water skiing, or tubing																					
	Canoeing, kayaking, or sailing																					
	Boating with motor																					
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	Number of visits (Jan. – Dec. 2014) Single-day overnig				\Box						\blacksquare											
	Name of Lake (County)	Lake Macbride (Johnson)	Lake Manawa (Pottawattamie)	Lake Meyer (Winneshiek)	Lake Miami (Monroe)	Lake of the Hills (Scott)	Lake of Three Fires (Taylor)	Lake Pahoja (Lyon)	Lake Smith (Kossuth)	Lake Sugema (Van Buren)	Lake Wapello (Davis)	Little River Lake (Decatur)	Little Sioux Park Lake (Woodbury)	Little Spirit Lake (Dickinson)	Little Wall Lake (Hamilton)	Littlefield Lake (Audubon)	Lizard Lake (Pocahontas)	Lost Grove Lake (Scott)	Lost Island Lake (Palo Alto)	Lower Gar Lake (Dickinson)	Lower Pine Lake (Hardin)	Manteno Park Pond (Shelby)

Water Quality Ladder Safe for swimming Game fish like bass can live in it Worst possible water quality Okay for boating Best possible water quality Dangerously Safe to drink polluted 10 8 6 0 Water Quality Assessment 0 to 10 Other Trail use Nature/ wildlife watching Relaxing, and or picnicking Camping Please check all that apply Fishing Swimming and/or beach use Jet skiing, water skiing, or tubing Canoeing, kayaking, or v sailing Boating with motor Single-day Overnight trips trips Number of visits (Jan. – Dec. 2014) you have visited or plan to visit a lake. Nodaway Lake (Adair) Meadow Lake (Adair) Moorhead Park Pond Pleasant Creek Lake Mitchell Lake (Black Meyers Lake (Black Pollmiller Park Lake Minnewashta Lake Mormon Trail Lake Orient Lake (Adair) Pierce Creek Pond Rathbun Reservoir (Appanoose) Nelson Park Lake Nine Eagles Lake Prairie Rose Lake Otter Creek Lake (Tama) Ottumwa Lagoon Mill Creek Lake (O'Brien) North Twin Lake Name of Lake (County) Mariposa Lake Oldham Lake (Dickinson) (Crawford) (Calhoun) (Monona) (Wapello) (Jasper) (Decatur) (Shelby) (Page) Hawk) (Adair) Hawk) (Linn) (Fee) (Ida)

This information is very important.

Please record the NUMBER of times

		Water Quality Ladder	Best possible water quality		Safe to drink	<u> </u>	Safe for swimming	2	Game fish like bass can live in it	3	2 Okav for hoating	Suppose for four	Nanozaone C	polluted Moret possible water quality	votst possible water quality							
	Water Quality Assessment 0 to 10					В	В		В	В	В		В				\Box					
	Other																					
	Trail																					
	Nature/ wildlife watching																					
	Relaxing, and or picnicking																					
apply	Camping																					
ck all that	Fishing																					
Please check all that apply	Swimming and/or beach use																					
	Jet skiing, water skiing, or tubing																					
	Canoeing, kayaking, or sailing																					
	Boating with motor																					
	ht		Е	B	В	В	В	В	В	В	В	В	В	В	В	В	В	В	В		Н	\blacksquare
	Number of visits (Jan. – Dec. 2014) Single-day		Е	H	В	В	В	В	В	В	В	В	\Box	Н	\blacksquare		В	B	В			B
	Name of Lake	Red Haw Lake (Lucas)	Red Rock Reservoir (Marion)	Roberts Creek Lake (Marion)	Rock Creek Lake (Jasper)	Rodgers Park Lake (Benton)	Rudd Lake (Floyd)	Saylorville Reservoir (Polk)	Silver Lake (Worth)	Silver Lake (Palo Alto)	Silver Lake (Dickinson)	Silver Lake (Delaware)	Slip Bluff Lake (Decatur)	Snyder Bend Lake (Woodbury)	South Prairie Lake (Black Hawk)	Spring Lake (Greene)	Springbrook Lake (Guthrie)	Storm Lake (Buena Vista)	Summit Lake (Union)	Swan Lake (Carroll)	Thayer Lake (Union)	Three Mile Lake (Union)

Water Quality Ladder Safe for swimming Game fish like bass can live in it Worst possible water quality Okay for boating Best possible water quality Safe to drink Dangerously polluted 10 8 6 Water Quality Assessment 0 to 10 Other Trail use Nature/ wildlife watching Relaxing, and or picnicking Camping Please check all that apply Fishing Swimming and/or beach use Jet skiing, water skiing, or tubing Canoeing, kayaking, or v sailing Boating with motor Single-day Overnight trips Number of visits (Jan. - Dec. 2014) you have visited or plan to visit a lake. Willow Lake (Harrison) Windmill Lake (Taylor) West Lake [Osceola] Yellow Smoke Park Twelve Mile Creek Lake (Union) Union Grove Lake West Okoboji Lake Wilson Park Lake Upper Pine Lake (Hardin) White Oak Lake (Mahaska) Williamson Pond Upper Gar Lake Lake (Crawford) Name of Lake (Montgomery) Other Lake 1: Other Lake 2: Viking Lake (Dickinson) (Dickinson) (County) (Clarke) (Taylor) (Tama) (Lucas)

This information is very important.

Please record the **NUMBER** of times

3.	If you checked "other" in the tall other activities did you or your		-	ages 4-10, in which
	Hunting	Paddleboardii	ng	Snowmobiling
	Cross-country skiing	Other:		-
4.	Please check which of the follow	ving best describe	s a typical la	ke visit for you or your
	household.			
	I visit with other family memb	ers		
	If so, how many			
	☐ I visit with friends or relatives	not in my househo	ld	
	If so, how many			
	I go alone			
5.	What time of year do you or you	ır household mak	e most of you	ır lake trips?
	☐ Spring (about March to May)	☐ Fall (about	September to	November)
	Summer (about June to August) 🔲 Winter (ab	out December	to February)
6.	If you or a member of your house boat used.	sehold boat on Io	wa lakes, plea	ase check each type of
	Canoe Kayak Powe	erboat Person	al water craft (J	et Ski, WaveRunner, etc.)
	Fishing boat Sailboat	☐ Paddleboard	Other:	
	rd	1.1.1.		1 1
1. V	Vhat is the model and year of the to visit lakes?	vehicle that you	or a househol	d member typically use
	Vehicle Type			
	Car/station wagon			
	Mini van			
	Sports utility vehicle (SUV)			
	Pickup truck/van (cargo or pas	senger) other truck		
	RV (recreational vehicle)			
	■ Motorcycle/motorbike			
	■ No vehicle (walking or biking)			
	Vehicle Year:			

8.	Please indicate how oft in each of the following	,	bers of yo	our household visited lakes or rivers
		ingle-day trips	Over	night trips
	Lakes in Minnesota	(# trips)		(# trips)
	Lakes in Missouri	(# trips)		(# trips)
	Lakes in Nebraska	(# trips)		(# trips)
	Lakes in South Dakota	(# trips)		(# trips)
	Lakes in Wisconsin	(# trips)		(# trips)
	The Missouri River	(# trips)		(# trips)
	The Mississippi River	(# trips)		(# trips)
9.		-		ers of your household visit a river or va (including the border rivers)?
	□Yes □No			
	each factor by allocatin item is more important	oosing a lake for reci g your 100 points an to you than another,	reation. Pinong the i	lease indicate the importance of tems on this list. To indicate one ld allocate more points to it. You do per that the total needs to equal 100.
	Diversity of w	ildlife		pts.
	Good water cl	arity		pts.
	Hard, clean sa	ndy bottom in swimmi	ng area	pts.
	Lack of water	odor		pts.
	Little/no suspo (no brown	ended sediment in wate water)	er	pts.
	No/minimal a or scum (n	lgae blooms o bright green water)		pts.
	Quality of fish fish caught	(species diversity and		pts.
	Safety from ba no health a	acterial contamination/advisories		pts.
	Well-manicure	ed shorelines and beach	n area	pts.
			TOTAL	IOO pts.

11.	Assume you have a total of 100 importance in choosing a lake for recreation. Please in allocating your 100 points among the item important to you than another, you should to give points to all of the items, but rement	dicate the importance of each factor by s on this list. To indicate one item is more l allocate more points to it. You do not need
	Activities at the lake	pts.
	Activities in the town	pts.
	Location of friends/relatives	pts.
	Park facilities	pts.
	Proximity	pts.
	Water quality	pts.
	Other:	pts.
	TOTAL	IOOpts.
	from 1 (least important/smallest contribut contributing source).	g potential pollutant sources for Iowa's lakes ing source) to 6 (most important/largest
	Numerical Ranking	OR
	Agricultural runoff (nitrogen and phosphorus fertilizer, sediment)	☐ I don't know
	Confined animal feeding operations manure application to agricultur	
	Urban runoff (nitrogen and phosphorus fertilizer, storm wat	er)
	Trash/litter	
	Oil or other household hazardous v	vastes
	Other:	
13.	In general, relative to lake water quality in quality is (please check one): Way better Slightly better	surrounding states, Iowa's lake water About the same Slightly worse
	☐ Way worse ☐ I don't know	

14.	Do you use s	ocial me	dia?							
	Yes	■No								
15.	Please check	all socia	l medi	ia/inforn	nation	websit	es you l	nave used	for the foll	owing
	reasons (Che	ck all th	at app	ly):						
	Purpose	Facebook	Twitter	Instagram	Flickr	YouTube	Pinterest	Tripadvisor	Google Apps*	Other
	Any purpose									(
	Finding travel information in general									(
	Finding information about lakes									(
	Sharing travel information in general									(
	Sharing information about lakes									(
	*Google+, Picasawa	eb, Panoram	io							
			_	_				_		
16.	Please check a		_	-	_			ibout wat	er quality.	
	Local new	1 1	1		,	oi-weekly	у —			
		ole The De				1 1 1 .	1			
		e or region		1 1	-	shed dai	ly –			
	example The Des Moines Register) National Newspaper (published daily – example The Washington Post)									
		1 1		lished da	11y – e	xample	The Was	hington Po	ost)	
	General I									
	Local TV									
	□ National 7		io broa	.dcasts						
	ABC									
		/MSNBC								
	CNN									
	NPR									
	PBS									
		News								
	CBS									
	Othe			1	/ 1	EDA LIC	CC LICD	A 6:	1 1 .)	
								A, Sierra C	lub, etc.)	
	Commod			ations (ex	ample	e - Farm	Bureau I	News)		
	Social me		S							
	Other:									
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11.	How do you t	ургсану	access [_	n wel	1311C IILL	h://ww	v.10wauIIf	.gov:	
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Information about you and other members of your household will help us better understand how household characteristics affect an individual's use of Iowa lakes and attitudes toward changes in them. It will also help us to determine how representative our sample is of the state of Iowa. All of your answers are strictly confidential. The information will only be used to report comparisons among groups of people. We will never identify individuals or households with their responses. Please be as complete in your answers as possible. Thank you.

18.	What is your age?
	□ 18–25 □ 35–49 □ 60–75
	□ 26–34 □ 50–59 □ 76 +
10	
19.	How long has your household been living in Iowa?
	Less than 5 years 5–9 years 10–14 years 15–19 years 20 or more years
20.	What is your gender?
21.	What is the highest level of schooling that you have completed? (Please check only one)
	Some high school or less Some college or trade/vocational school Advanced degree
	High school graduate College graduate
22.	How many adults (including yourself) live in your household?
22	
23.	How many children (under 18) live in your household?
24.	What is your current employment status?
	☐ Full time ☐ Part time ☐ Student ☐ Unemployed ☐ Retired
~~	
25.	What is your total household income (before taxes) for 2014?
	Under \$10,000
	□ \$10,000–\$14,999 □ \$30,000–\$34,999 □ \$60,000–\$74,999 □ Over \$150,000
	\$15,000-\$19,999 \$35,000-\$39,999 \$75,000-\$99,999
	□ \$20,000-\$24,999 □ \$40,000-\$49,999 □ \$100,000-\$124,999

