

- g. Regulations controlling land use around the lakeshore are unecessarily strict..... _____
- i. The land use laws presently in existence are adequate to protect lake water quality..... _____
- j. Too many land use regulations will frighten people away from this area..... _____
- k. Land use regulations are more of a hindrance than an asset to an area such as this..... _____
- l. We do not need more land use controls as there are natural limits on what people can do on their land.... _____
- m. The lake is so large that land use controls to protect water quality are not practicable..... _____
- n. I will not be able to sell my property if there are to many restrictions on it..... _____

13. Who do you feel should pay for the cost of keeping the lake clean? Circle one number for each line:

	1	2	3	4	5	
SHOULD PAY NONE			SHOULD PAY SOME		SHOULD PAY ALL	
FEDERAL GOVERNMENT.....	1	2	2.6	3	4	5
STATE GOVERNMENT.....	1	2	3	3.1	4	5
LOCAL GOVERNMENT.....	1	2	2.8	3	4	5
LAKE ASSOCIATION MEMBERS.....	1	2	2.3	3	4	5
LAKE USERS.....	1	2	2.9	3	4	5
LAKESHORE PROPERTY OWNERS.....	1	2	2.9	3	4	5
EVERYONE IN THE WATERSHED.....	1	2	2.6	3	4	5
THOSE WHO CAUSE THE POLLUTION..	1	2	3	3.9	4	5
FARMERS IN THE WATERSHED.....	1	2	2.6	3	4	5

14. If you were asked to pay for keeping the lake clean, how much would you be prepared to pay per year? (check one).

NOTHING..... 19.8%
 \$0 - .99..... 1.4%
 \$1 - 4.99..... 6.0%
 \$5 - 9.99..... 11.3%
 \$10 - 24.99..... 14.6%
 \$25 - 49.99..... 13.8%
 \$50 - 100..... 19.5%
 OVER \$100..... 13.5%

15. How much do you think that the value of property near the lake is affected by the water quality in Keuka Lake? (circle one number).

2.1%	10.3%	14.6%	31.0%	42.0%
1	2	3	4	5
NONE	VERY LITTLE	SOMEWHAT	MUCH AFFECTED	VERY MUCH AFFECTED

Mean=4.0

16. Please rate the following types of government for controlling land use in the Keuka Lake watershed? Circle one number corresponding to the scale, for each type of government.

	1	2	3	4	5
	NOT AT ALL SUITABLE	POORLY SUITED	UNDECIDED	SUITABLE	MOST SUITABLE
(a) LOCAL (TOWN).....	1	2	2.7	3	4 5
(b) COUNTY.....	1	2	2.9	3	4 5
(c) STATE.....	1	2	3	3.2	4 5
(d) WATERSHED-WIDE DISTRICT.....	1	2	3	3.9	4 5
(e) REGIONAL (MULTI-COUNTY) DISTRICT...	1	2	3	3.3	4 5

17. For how many years have you owned property in the Keuka Lake watershed?

Mean = 19.3 years

Range = 0 to 80 years

18. What is the highest year of school that you have completed?

(0.1%)	NEVER ATTENDED SCHOOL
(0.2%)	1-6 YEARS
(3.0%)	7-9 YEARS
(5.1%)	10-11 YEARS
(20.2%)	HIGH SCHOOL GRADUATE
(19.4%)	SOME COLLEGE
(23.5%)	COLLEGE GRADUATE
(28.5%)	SOME GRADUATE SCHOOL

19. What was your approximate total household income, before taxes, in 1986?

(5.3%)	\$0 0 9,999
(14.8%)	\$10,000 - 19,999
(19.6%)	\$20,000 - 29,999
(15.8%)	\$30,000 - 39,999
(11.6%)	\$40,000 - 49,999
(17.6%)	\$50,000 - 75,000
(15.2%)	MORE THAN \$75,000

21.5% of respondents did not answer this question

APPENDIX C

ADDITIONAL DATA FROM SURVEY RESPONDENTS

I. CHARACTERISTICS OF PROPERTY OWNERS

TABLE 1: LAKE FRONTAGE AND DISTANCE FROM LAKE

RESPONDENT GROUP	LAKE FRONTAGE (PERCENT OF GROUP)		AVE. DISTANCE FROM LAKE
	YES	NO	MILES
TOTAL WATERSHED	53.7	46.3	0.99
YEAR ROUND RESID.	35.4	64.6	1.75
SEASONAL RESID.	79.8	20.2	0.72
MEMBER KLSPO	96.1	3.9	0.34
NON-MEMBER KLSPO	35.4	64.6	1.33
RECENT RESIDENT	49.6	50.4	1.14
ESTABLISHED RES.	61.0	39.0	0.90

TABLE 2: TYPE OF RESIDENT AND AVERAGE NUMBER IN RESIDENCE

RESPONDENT GROUP	(%) SEASONAL	(%) YEAR ROUND	AVE. NO. RESIDENTS
TOTAL WATERSHED	46.7	53.3	3.02
WITH LAKE FRONTAGE	66.5	33.5	3.14
WITHOUT LAKE FRONT	21.6	78.4	2.89
MEMBER KLSPO	68.9	31.1	3.18
NON-MEMBER KLSPO	35.9	64.1	2.92
RECENT RESIDENT	47.2	52.8	3.20
ESTABLISHED RES	45.2	54.8	2.80

TABLE 3: MEMBERSHIP IN KEUKA LAKESHORE PROPERTY OWNER'S ASSOCIATION AND DURATION OF PROPERTY OWNERSHIP

RESPONDENT GROUP	MEMBER KLSPO (PERCENTAGE)		AVE. YEARS PROP. OWNED (YEARS)
	YES	NO	
TOTAL WATERSHED	29.9	70.1	19.3
WITH LAKE FRONTAGE	53.5	46.5	
WITHOUT LAKE FRONT	2.5	97.5	
YEAR ROUND RESID	17.9	82.1	
SEASONAL RESID	46.4	53.6	
RECENT RESIDENT	25.2	74.8	
ESTABLISHED RES	36.7	63.3	

TABLE 4: EDUCATION LEVEL

RESPONDENT GROUP	HIGH SCHOOL	COLLEGE
TOTAL WATERSHED	28.6	71.4
WITH LAKE FRONTAGE	16.3	83.7
WITHOUT LAKE FRONT	43.7	56.3
YEAR ROUND RESID	36.9	63.1
SEASONAL RESID	18.2	81.8
MEMBER KLSPO	11.3	88.7
NON-MEMBER KLSPO	36.3	63.7
RECENT RESIDENT	20.5	79.5
ESTABLISHED RES	36.5	63.5

(Values as a percentage of group totals)

KEY:

HIGH SCHOOL Respondent has had 0 - 13 years of school

COLLEGE Respondent has had a minimum of "Some college education"

TABLE 5: INCOME LEVEL

RESPONDENT GROUP	<\$30,000	\$30,000-70,000	>\$70,000
TOTAL WATERSHED	39.7	45.1	15.2
WITH LAKE FRONTAGE	24.9	51.7	23.4
WITHOUT LAKE FRONT	57.5	37.3	5.2
YEAR ROUND RESID	52.2	41.5	6.2
SEASONAL RESID	24.7	49.2	26.0
MEMBER KLSPO	17.3	53.4	29.3
NON-MEMBER KLSPO	49.0	41.4	9.6
RECENT RESIDENT	32.9	56.9	18.5
ESTABLISHED RES	45.9	42.5	11.6

(Values as a percentage of group totals)

II. PERCEPTION OF LAKE WATER QUALITY

TABLE 6: LAKE WATER QUALITY RATINGS

QUALITY RATING	RESPONDENT GROUP								
	TW	LF	NLF	YR	S	MEM	NMEM	REC	EST
SWIMMING									
EXCELLENT	39	41	30	36	37	45	33	37	37
GOOD	48	47	51	45	51	43	51	49	47
FAIR	12	9	16	14	9	9	13	12	11
POOR	3	4	2	4	3	4	3	2	4
BOATING									
EXCELLENT	52	54	49	51	54	59	49	56	48
GOOD	40	38	43	41	39	33	44	38	42
FAIR	5	5	5	6	5	7	4	3	6
POOR	1	1	1	1	1	0	1	1	1
FISHING									
EXCELLENT	25	26	23	28	23	30	23	27	24
GOOD	43	39	49	44	42	36	47	43	43
FAIR	23	24	20	21	25	21	23	23	21
POOR	7	9	5	6	8	10	6	4	10

(Values as a percentage of group totals - rounded to nearest whole number)

KEY:

TW	TOTAL WATERSHED
LF	WITH LAKE FRONTAGE
NLF	WITHOUT LAKE FRONTAGE
YR	YEAR ROUND RESIDENT
S	SEASONAL RESIDENT
MEM	MEMBER KLSPO
NMEM	NON-MEMBER KLSPO
REC	RECENT RESIDENT
EST	ESTABLISHED RESIDENT

TABLE 7: DETERIORATION IN LAKE WATER QUALITY (QUESTION 6)

RESPONDENT GROUP	IN LAST YEAR	LAST 5 YRS	LAST 5-10 YRS	LAST 10-25 YRS	NONE
TOTAL WSHED	4.6	27.1	14.9	16.2	37.1
WITH LF	5.5	32.0	15.9	19.1	27.5
W'OUT LF	3.5	20.4	13.1	12.1	50.8
YROUND RES	5.1	26.0	14.9	16.5	37.4
SEASONAL R	4.6	29.4	15.4	15.1	35.4
MEM KLSPO	4.9	33.3	17.3	16.5	28.0
NON-MEM	4.6	24.6	13.9	15.9	41.1
RECENT RES	8.2	30.3	13.5	8.5	39.4
ESTAB RES	1.4	22.9	17.6	22.9	35.2

(Values expressed as percentage of group total)

TABLE 8: DESCRIPTION OF LAKE WATER QUALITY CHANGES (QUESTION 7)

QUALITY CONCERN MENTIONED	PERCENT OF RESPONDENTS
WEEDS	43.7
NOT AS CLEAN	6.6
SEDIMENT	5.9
ALGAE	5.5
OIL/GAS FILM ON SURFACE	4.3
TRASH	3.6
STOPPED DRINKING LAKE WATER	3.5
CLOUDY WATER	3.1
CROWDING	2.4
ODOUR	1.9
SEPTIC TANKS	1.5
COLIFORM BACTERIA	1.5
FLOOD OF 1972	1.5
OTHER	5.5
DO NOT USE THE LAKE	4.8

45.5% of respondents commented on lake water quality.

TABLE 9: EXISTENCE OF A WEED PROBLEM

RESPONDENT GROUP	WEED PROBLEM EXISTS	
	YES (%)	NO (%)
TOTAL WATERSHED	80.6	19.4
WITH LAKE FRONTAGE	88.2	11.8
WITHOUT LAKE FRONTAGE	69.8	30.2
YEAR ROUND RESIDENT	80.2	19.8
SEASONAL RESIDENT	82.9	17.1
MEMBER KLSPO	88.3	11.7
NON-MEMBER KLSPO	77.5	22.5
RECENT RESIDENT	79.4	20.6
ESTABLISHED RESIDENT	84.1	15.9

TABLE 10: SERIOUSNESS OF WEED PROBLEM

RESPONDENT GROUP	SCORE				
	NOT AT ALL SERIOUS		A MINOR PROBLEM	A SERIOUS PROBLEM	
	1	2	3	4	5
TOTAL W'SHED	2.4	4.1	37.4	34.5	21.6
WITH LAKE F	1.6	3.5	37.8	32.7	24.4
W'OUT LAKE F	3.8	5.3	36.8	37.8	16.3
YEAR ROUND	1.0	4.5	32.1	36.2	26.2
SEASONAL	1.8	4.0	43.1	34.3	16.8
MEMBER KLSPO	1.9	4.8	38.6	31.9	22.7
NON-MEMBER	2.7	3.7	36.0	36.5	21.1
RECENT RESID	1.5	5.0	35.2	39.5	18.8
ESTABLISHED	2.5	3.6	39.5	30.6	23.8

(Values expressed as a percentage of group totals)

III. ATTITUDES TO REGULATIONS FOR PROTECTING LAKE WATER QUALITY

TABLE 11: ATTITUDES TO SPECIFIC REGULATIONS FOR HOUSEHOLDS (QUESTION 9)

RESPONDENT GROUP	SCORE				
	STRONGLY AGAINST 1	AGAINST 2	UNDECIDED 3	FAVOR 4	STRONGLY FAVOR 5
TOTAL WSHED	3.3	5.3	18.3	37.2	36.0
WITH LF	2.4	4.4	13.5	37.7	41.9
W'OUT LF	4.3	6.5	24.2	37.0	28.0
YEAR ROUND	2.2	5.9	19.6	39.7	32.6
SEASONAL	3.6	4.4	15.8	36.1	40.2
MEMBER	1.6	4.1	13.4	37.8	43.1
NON-MEMBER	4.0	5.9	19.8	36.9	33.4
RECENT RES	2.7	3.7	15.4	39.0	39.3
ESTAB. RES	3.7	7.7	20.3	35.7	32.5

(Values expressed as a percentage of group total)

TABLE 12: ATTITUDE TO PRESENT REGULATIONS FOR PROTECTING LAKE WATER QUALITY (QUESTION 11)

RESPONDENT GROUP	SCORE				
	NOT AT ALL ADEQUATE	UNDECIDED			ADEQUATE
	1	2	3	4	5
TOTAL W'SHED	19.2	21.9	38.3	11.1	9.5
WITH LAKE F	23.3	25.3	31.9	10.1	9.5
W'OUT LAKE F	13.9	17.1	46.7	12.5	9.8
YEAR ROUND R	22.2	21.7	34.7	12.0	9.4
SEASONAL RES	17.0	22.8	40.4	11.0	8.8
MEMBER KLSPO	25.9	25.5	30.3	9.6	8.8
NON-MEMBER	16.3	20.6	41.7	11.6	9.8
RECENT RESID	16.4	26.5	39.5	10.6	6.9
ESTABLISHED	22.2	17.7	35.6	12.4	12.1

(Values expressed as a percentage of group total)

IV. WHO SHOULD PAY THE COST FOR KEEPING THE LAKE CLEAN

TABLE 13: WILLINGNESS-TO-PAY FOR A CLEAN LAKE
(QUESTION 14)

RESPONDENT GROUP	ANNUAL PAYMENT IN \$					
	0	0-9.99	10-24.99	25-49.99	50-100	>100
TW	19.8	18.7	14.6	13.8	19.5	13.5
WITH LF	11.2	10.4	11.9	15.1	28.8	22.6
W'OUT LF	29.9	27.9	17.6	12.6	8.9	3.1
YR ROUND	22.9	21.8	17.8	14.1	14.4	9.0
SEASONAL	12.2	15.7	11.9	13.6	26.4	20.2
MEMBER	9.9	6.7	13.0	14.8	32.3	23.3
NON-MEMBER	24.1	23.3	15.2	13.5	14.3	9.5
RECENT RES	15.6	18.7	14.7	14.7	19.3	17.0
ESTAB. RES	23.3	18.1	14.6	12.8	20.1	11.1

(Values are expressed as percentages of group totals willing-to-pay that amount on an annual basis)

TABLE 14: WATER QUALITY EFFECT ON PROPERTY VALUE
(QUESTION 15)

RESPONDENT GROUP	SCORE				
	NONE 1	VERY LITTLE 2	SOMEWHAT 3	MUCH AFFECTED 4	VERY MUCH AFFECTED 5
TW	2.1	10.3	14.6	31.0	42.0
WITH LF	0.9	6.5	12.2	28.7	51.7
W'OUT LF	3.6	14.8	17.7	34.1	29.7
YR ROUND	2.6	11.2	15.3	29.2	41.6
SEASONAL	1.3	8.2	12.8	33.5	44.1
MEMBER	0.8	3.1	12.6	29.5	53.9
NON-MEM	2.7	13.3	15.5	31.4	37.0
RECENT	1.0	7.0	14.2	29.9	47.9
ESTAB	3.1	13.5	16.1	30.1	37.1

(Values expressed as a percentage of group totals)