

Sample Survey on Interests in Watershed Environment

■ Overview of the Research

Survey Area: Japan

Samples: Japanese between 20 and 79 years old

Sample size: 1,800

Sampling: Two-stage stratified sampling

Frame of sampling: Basic resident register or electoral register

Mode of survey conduction: Face-to-face interview method

Survey period: From 2005-10-14 to 2005-11-14

Number of completed responses: 886 (Response rate: 49.2%)

Subject: Interests in watershed environment

Number of questions: 95 items

■ Questions and tabulations (preliminary figures)

Questions used in the survey were presented in the following pages. Since the tabulations were preliminary ones, each figure might be changed after the data cleaning.

Q1 Are you satisfied or dissatisfied with the nature near the place where you live?

1. Satisfied
2. Somewhat satisfied
3. Somewhat dissatisfied
4. Dissatisfied

		Frequency	Percent
Valid	1	348	39.9
	2	345	39.6
	3	115	13.2
	4	64	7.3
	Total	872	100.0
Missing		14	
Total		886	

Q2 (1) Are there any land areas listed below near the place where you live?

Please check all that apply. (M. A.)

1. Forests
2. Crop fields or pastures / Agricultural fields / Fields or farms
3. Rivers or lakes
4. Nothing

		Frequency	Percent
Valid	1	259	29.6
	2	529	60.5
	3	424	48.5
	4	195	22.3
	Total	874	100.0
Missing		12	
Total		886	

Q2 (2) When you were a child, were there any land areas listed below near the place where you lived?

Please check all that apply. (M. A.)

1. Forests
2. Crop fields or pastures
3. Rivers or lakes
4. Nothing

		Frequency	Percent
Valid	1	388	44.6
	2	619	71.2
	3	507	58.3
	4	126	14.5
	Total	869	100.0
Missing		17	
Total		886	

Q3 (1) What is the word to describe your image of a forest? Please list up to two each in short words.

		Frequency	Percent
Valid	Two listed	545	61.5
	One listed	276	31.2
	No Answer	65	7.3
	Total	886	100.0

Q3 (2) Likewise, what is the word to describe your image of rivers or lakes?
Please list up to two each in short words.

		Frequency	Percent
Valid	Two listed	490	55.3
	One listed	333	37.6
	No Answer	63	7.1
Total		886	100.0

Q4 Now I would like to ask you about your interests in forests. Forests have various functions. To what extent are you interested in each function of forests that I will say you? For each item, please tell me whether you are '1. very interested,' '2. somewhat interested,' '3. not interested so much,' or '4. not interested at all.'

Q4 (1) Timber production

1. Very interested
2. Somewhat interested
3. Not interested so much
4. Not interested at all

		Frequency	Percent
Valid	1	198	22.7
	2	346	39.6
	3	276	31.6
	4	53	6.1
Total		873	100.0
Missing		13	
Total		886	

Q4 (2) Production of forest products other than timber (charcoal, mushrooms, fruits, etc.)

1. Very interested
2. Somewhat interested
3. Not interested so much
4. Not interested at all

		Frequency	Percent
Valid	1	194	22.2
	2	363	41.5
	3	272	31.1
	4	46	5.3
Total		875	100.0
Missing		11	
Total		886	

Q4 (3) Providing scenery and recreation sites

1. Very interested
2. Somewhat interested
3. Not interested so much
4. Not interested at all

		Frequency	Percent
Valid	1	265	30.3
	2	375	42.9
	3	201	23.0
	4	33	3.8
	Total	874	100.0
Missing		12	
Total		886	

Q4 (4) Ease of drought

1. Very interested
2. Somewhat interested
3. Not interested so much
4. Not interested at all

		Frequency	Percent
Valid	1	311	36.1
	2	344	39.9
	3	180	20.9
	4	27	3.1
	Total	862	100.0
Missing		24	
Total		886	

Q4 (5) Prevention of landslides and floods

1. Very interested
2. Somewhat interested
3. Not interested so much
4. Not interested at all

		Frequency	Percent
Valid	1	360	41.2
	2	332	38.0
	3	151	17.3
	4	30	3.4
	Total	873	100.0
Missing		13	
Total		886	

Q4 (6) Purification of water

1. Very interested
2. Somewhat interested
3. Not interested so much
4. Not interested at all

		Frequency	Percent
Valid	1	454	51.9
	2	305	34.9
	3	94	10.8
	4	21	2.4
	Total	874	100.0
Missing		12	
Total		886	

Q4 (7) Protection of living environment for human

1. Very interested
2. Somewhat interested
3. Not interested so much
4. Not interested at all

		Frequency	Percent
Valid	1	371	42.6
	2	354	40.6
	3	125	14.4
	4	21	2.4
	Total	871	100.0
Missing		15	
Total		886	

Q4 (8) Habitat of plants and animals

1. Very interested
2. Somewhat interested
3. Not interested so much
4. Not interested at all

		Frequency	Percent
Valid	1	370	42.1
	2	354	40.3
	3	135	15.4
	4	20	2.3
	Total	879	100.0
Missing		7	
Total		886	

Q4 (9) CO₂ sequestration

1. Very interested
2. Somewhat interested
3. Not interested so much
4. Not interested at all

		Frequency	Percent
Valid	1	395	45.8
	2	318	36.8
	3	130	15.1
	4	20	2.3
	Total	863	100.0
Missing		23	
Total		886	

Q5 (1) Among the functions of forests I listed so far, which do you think is most important?

1. Timber production
2. Production of forest products other than timber (charcoal, mushrooms, fruits, etc.)
3. Providing scenery and recreation sites
4. Ease of drought
5. Prevention of landslides and floods
6. Purification of water
7. Protection of living environment for human
8. Habitat of plants and animals
9. CO₂ sequestration

		Frequency	Percent
Valid	1	105	12.3
	2	20	2.3
	3	26	3.1
	4	48	5.6
	5	98	11.5
	6	124	14.6
	7	126	14.8
	8	122	14.3
	9	183	21.5
	Total	852	100.0
Missing		34	
Total		886	

Q5 (2) Which do you think is important next to the first one?

1. Timber production
2. Production of forest products other than timber (charcoal, mushrooms, fruits, etc.)
3. Providing scenery and recreation sites
4. Ease of drought
5. Prevention of landslides and floods
6. Purification of water
7. Protection of living environment for human
8. Habitat of plants and animals
9. CO₂ sequestration

		Frequency	Percent
Valid	1	50	6.0
	2	40	4.8
	3	47	5.6
	4	55	6.6
	5	74	8.9
	6	111	13.3
	7	124	14.8
	8	167	20.0
	9	168	20.1
	Total	836	100.0
Missing		50	
Total		886	

Q6 In recent 5 or 6 years, have you done any of the following activities in forests?

Q6a Hiking or basking in the woods

1. More than once a month
2. Several times a year
3. Once a year
4. Once in a few years
5. Not at all

		Frequency	Percent
Valid	1	82	9.3
	2	173	19.6
	3	114	12.9
	4	111	12.6
	5	402	45.6
	Total	882	100.0
Missing		4	
Total		886	

- Q6b Camping or barbecue
1. More than once a month
 2. Several times a year
 3. Once a year
 4. Once in a few years
 5. Not at all

		Frequency	Percent
Valid	1	11	1.2
	2	89	10.1
	3	107	12.1
	4	151	17.1
	5	526	59.5
	Total	884	100.0
Missing		2	
Total		886	

- Q6c Collecting of plants or capturing of animals
1. More than once a month
 2. Several times a year
 3. Once a year
 4. Once in a few years
 5. Not at all

		Frequency	Percent
Valid	1	25	2.8
	2	94	10.7
	3	56	6.3
	4	99	11.2
	5	608	68.9
	Total	882	100.0
Missing		4	
Total		886	

- Q6d Nature observation or participating in nature education programs
1. More than once a month
 2. Several times a year
 3. Once a year
 4. Once in a few years
 5. Not at all

		Frequency	Percent
Valid	1	17	1.9
	2	49	5.6
	3	49	5.6
	4	81	9.2
	5	682	77.7
	Total	878	100.0
Missing		8	
Total		886	

Q7 Many kinds of voluntary activities are being undertaken aiming at conservation of forests. To what extent are you interested in participating in the following activities listed below?

Q7a Tree planting volunteer

1. Strongly wish to participate
2. Wish to participate if there is an opportunity
3. Do not wish to participate very much
4. Never wish to participate at all

		Frequency	Percent
Valid	1	45	5.2
	2	282	32.6
	3	291	33.6
	4	247	28.6
	Total	865	100.0
Missing		21	
Total		886	

Q7b Volunteer of clearing, pruning, or thinning trees

1. Strongly wish to participate
2. Wish to participate if there is an opportunity
3. Do not wish to participate very much
4. Never wish to participate at all

		Frequency	Percent
Valid	1	31	3.6
	2	239	27.8
	3	311	36.2
	4	279	32.4
	Total	860	100.0
Missing		26	
Total		886	

Q7c Financial assistance for forest conservation activities

1. Strongly wish to participate
2. Wish to participate if there is an opportunity
3. Do not wish to participate very much
4. Never wish to participate at all

		Frequency	Percent
Valid	1	85	9.8
	2	331	38.3
	3	243	28.1
	4	206	23.8
	Total	865	100.0
Missing		21	
Total		886	

Q7d Education programs to learn about forests

1. Strongly wish to participate
2. Wish to participate if there is an opportunity
3. Do not wish to participate very much
4. Never wish to participate at all

		Frequency	Percent
Valid	1	34	4.0
	2	264	30.9
	3	277	32.5
	4	278	32.6
	Total	853	100.0
Missing		33	
Total		886	

Q8 Timber production is one of the functions of forests.
 A forest landscape changes when trees are cut. But, when time passes, the landscape recovers.
 In how many years do you want the landscape to recover after trees are cut?
 ('I do not want the trees to be cut' is 0 years)

		Frequency	Percent
Valid	0 years	79	10.3
	1-5 years	126	16.4
	6-10 years	204	26.6
	11-20 years	115	15.0
	21-50 years	194	25.3
	More than 50 years	50	6.5
Total		768	100.0
Missing		118	
Total		886	

Q9 Now I would like to ask you about your interests in crop fields and pastures.
 To what extent are you interested in each function of crop fields and pastures that I will say now?

Q9 (1) Production of grains such as rice and wheat

1. Very interested
2. Somewhat interested
3. Not interested so much
4. Not interested at all

		Frequency	Percent
Valid	1	440	49.9
	2	310	35.2
	3	110	12.5
	4	21	2.4
	Total	881	100.0
Missing		5	
Total		886	

Q9 (2) Production of vegetables or fruits

1. Very interested
2. Somewhat interested
3. Not interested so much
4. Not interested at all

		Frequency	Percent
Valid	1	479	54.2
	2	319	36.1
	3	69	7.8
	4	16	1.8
	Total	883	100.0
Missing		3	
Total		886	

Q9 (3) Production of dairy products or meat

1. Very interested
2. Somewhat interested
3. Not interested so much
4. Not interested at all

		Frequency	Percent
Valid	1	272	31.1
	2	337	38.5
	3	219	25.0
	4	47	5.4
	Total	875	100.0
Missing		11	
Total		886	

Q9 (4) Providing scenery and recreation sites

1. Very interested
2. Somewhat interested
3. Not interested so much
4. Not interested at all

		Frequency	Percent
Valid	1	199	23.0
	2	380	43.9
	3	234	27.0
	4	53	6.1
	Total	866	100.0
Missing		20	
Total		886	

Q9 (5) Conservation of water and soil quality

1. Very interested
2. Somewhat interested
3. Not interested so much
4. Not interested at all

		Frequency	Percent
Valid	1	387	44.4
	2	326	37.4
	3	127	14.6
	4	32	3.7
	Total	872	100.0
Missing		14	
Total		886	

Q9 (6) Habitat of plants and animals

1. Very interested
2. Somewhat interested
3. Not interested so much
4. Not interested at all

		Frequency	Percent
Valid	1	308	35.1
	2	369	42.0
	3	168	19.1
	4	33	3.8
	Total	878	100.0
Missing		8	
Total		886	

Q10 (1) Among the functions of crop fields and pastures I listed so far, which do you think is most important?

1. Production of grains such as rice and wheat
2. Production of vegetables or fruits
3. Production of dairy products or meat
4. Providing scenery and recreation sites
5. Conservation of water and soil quality
6. Habitat of plants and animals

		Frequency	Percent
Valid	1	553	64.2
	2	90	10.5
	3	9	1.0
	4	9	1.0
	5	159	18.5
	6	41	4.8
	Total	861	100.0
Missing		25	
Total		886	

Q10 (2) Which do you think is important next to the first one?

1. Production of grains such as rice and wheat
2. Production of vegetables or fruits
3. Production of dairy products or meat
4. Providing scenery and recreation sites
5. Conservation of water and soil quality
6. Habitat of plants and animals

		Frequency	Percent
Valid	1	127	15.0
	2	384	45.3
	3	58	6.8
	4	31	3.7
	5	164	19.4
	6	83	9.8
	Total	847	100.0
Missing		39	
Total		886	

Q11 In recent 5 or 6 years, have you done any of the following activities in crop fields and pastures?

Q11a Farming (e.g. rice planting, crop harvesting)

1. More than once a month
2. Several times a year
3. Once a year
4. Once in a few years
5. Not at all

		Frequency	Percent
Valid	1	129	14.6
	2	87	9.9
	3	75	8.5
	4	95	10.8
	5	495	56.2
	Total	881	100.0
Missing		5	
Total		886	

Q11b Hiking or walk (in fields or farms)

1. More than once a month
2. Several times a year
3. Once a year
4. Once in a few years
5. Not at all

		Frequency	Percent
Valid	1	262	29.8
	2	135	15.4
	3	60	6.8
	4	92	10.5
	5	329	37.5
	Total	878	100.0
Missing		8	
Total		886	

Q11c Collecting of plants or capturing of animals

1. More than once a month
2. Several times a year
3. Once a year
4. Once in a few years
5. Not at all

		Frequency	Percent
Valid	1	69	7.9
	2	78	8.9
	3	54	6.2
	4	82	9.3
	5	595	67.8
	Total	878	100.0
Missing		8	
Total		886	

Q11d Nature observation or participating in nature education programs

1. More than once a month
2. Several times a year
3. Once a year
4. Once in a few years
5. Not at all

		Frequency	Percent
Valid	1	28	3.2
	2	48	5.5
	3	33	3.8
	4	60	6.9
	5	706	80.7
	Total	875	100.0
Missing		11	
Total		886	

Q12 Now I would like to ask you about your interests in rivers or lakes.

To what extent are you interested in each function of rivers or lakes that I will say now?

Q12 (1) As water resource for residential uses

1. Very interested
2. Somewhat interested
3. Not interested so much
4. Not interested at all

		Frequency	Percent
Valid	1	535	60.7
	2	269	30.5
	3	62	7.0
	4	16	1.8
	Total	882	100.0
Missing		4	
Total		886	

Q12 (2) As water resource for industrial and agricultural uses

1. Very interested
2. Somewhat interested
3. Not interested so much
4. Not interested at all

		Frequency	Percent
Valid	1	331	37.9
	2	340	38.9
	3	168	19.2
	4	35	4.0
	Total	874	100.0
Missing		12	
Total		886	

Q12 (3) Fisheries in rivers or lakes

1. Very interested
2. Somewhat interested
3. Not interested so much
4. Not interested at all

		Frequency	Percent
Valid	1	201	23.1
	2	314	36.1
	3	303	34.9
	4	51	5.9
	Total	869	100.0
Missing		17	
Total		886	

Q12 (4) Providing scenery and recreation sites

1. Very interested
2. Somewhat interested
3. Not interested so much
4. Not interested at all

		Frequency	Percent
Valid	1	217	24.9
	2	357	41.0
	3	236	27.1
	4	61	7.0
	Total	871	100.0
Missing		15	
Total		886	

Q12 (5) Habitat of plants and animals

1. Very interested
2. Somewhat interested
3. Not interested so much
4. Not interested at all

		Frequency	Percent
Valid	1	281	32.1
	2	402	45.9
	3	157	17.9
	4	36	4.1
	Total	876	100.0
Missing	.	10	
Total		886	

Q12 (6) Purification of water (through the self-purification process)

1. Very interested
2. Somewhat interested
3. Not interested so much
4. Not interested at all

		Frequency	Percent
Valid	1	400	45.7
	2	330	37.7
	3	119	13.6
	4	27	3.1
	Total	876	100.0
Missing	.	10	
Total		886	

Q13 (1) Among the functions of rivers or lakes I listed so far, which do you think is most important?

1. As water resource for residential uses
2. As water resource for industrial and agricultural uses
3. Fisheries in rivers or lakes
4. Providing scenery and recreation sites
5. Habitat of plants and animals
6. Purification of water (through the self-purification process)

		Frequency	Percent
Valid	1	585	67.6
	2	51	5.9
	3	15	1.7
	4	15	1.7
	5	64	7.4
	6	135	15.6
	Total	865	100.0
Missing	.	21	
Total		886	

Q13 (2) Which do you think is important next to the first one?

1. As water resource for residential uses
2. As water resource for industrial and agricultural uses
3. Fisheries in rivers or lakes
4. Providing scenery and recreation sites
5. Habitat of plants and animals
6. Purification of water (through the self-purification process)

		Frequency	Percent
Valid	1	134	16.1
	2	214	25.8
	3	43	5.2
	4	42	5.1
	5	146	17.6
	6	251	30.2
	Total	830	100.0
Missing		56	
Total		886	

Q14 In recent 5 or 6 years, have you done any of the following activities in rivers or lakes?

Q14a Recreation in rivers or lakes (swimming, boating, etc.)

1. More than once a month
2. Several times a year
3. Once a year
4. Once in a few years
5. Not at all

		Frequency	Percent
Valid	1	20	2.3
	2	98	11.1
	3	86	9.7
	4	135	15.3
	5	544	61.6
	Total	883	100.0
Missing		3	
Total		886	

Q14b Walking or jogging along river or lake sides

1. More than once a month
2. Several times a year
3. Once a year
4. Once in a few years
5. Not at all

		Frequency	Percent
Valid	1	105	11.9
	2	158	17.9
	3	77	8.7
	4	112	12.7
	5	431	48.8
	Total	883	100.0
Missing		3	
Total		886	

- Q14c Camping or barbecue
1. More than once a month
 2. Several times a year
 3. Once a year
 4. Once in a few years
 5. Not at all

		Frequency	Percent
Valid	1	9	1.0
	2	93	10.5
	3	105	11.9
	4	125	14.2
	5	550	62.4
Total		882	100.0
Missing		4	
Total		886	

- Q14d Collecting of plants or capturing of animals (fishing etc.)
1. More than once a month
 2. Several times a year
 3. Once a year
 4. Once in a few years
 5. Not at all

		Frequency	Percent
Valid	1	36	4.1
	2	111	12.6
	3	53	6.0
	4	106	12.0
	5	575	65.3
Total		881	100.0
Missing		5	
Total		886	

- Q14e Nature observation or participating in nature education programs
1. More than once a month
 2. Several times a year
 3. Once a year
 4. Once in a few years
 5. Not at all

		Frequency	Percent
Valid	1	23	2.6
	2	37	4.2
	3	35	4.0
	4	70	8.0
	5	713	81.2
Total		878	100.0
Missing		8	
Total		886	

Q15 Many kinds of voluntary activities are being undertaken aiming at conservation of rivers or lakes. To what extent are you interested in participating in the following activities listed below?

Q15a River or lake clean-up activities

1. Strongly wish to participate
2. Wish to participate if there is an opportunity
3. Do not wish to participate very much
4. Never wish to participate at all

		Frequency	Percent
Valid	1	103	11.9
	2	396	45.7
	3	219	25.3
	4	148	17.1
	Total	866	100.0
Missing		20	
Total		886	

Q15b Helping extermination of non-native fishes

1. Strongly wish to participate
2. Wish to participate if there is an opportunity
3. Do not wish to participate very much
4. Never wish to participate at all

		Frequency	Percent
Valid	1	36	4.2
	2	183	21.5
	3	343	40.4
	4	288	33.9
	Total	850	100.0
Missing		36	
Total		886	

Q15c Monitoring water quality or aquatic organisms

1. Strongly wish to participate
2. Wish to participate if there is an opportunity
3. Do not wish to participate very much
4. Never wish to participate at all

		Frequency	Percent
Valid	1	30	3.5
	2	210	24.6
	3	335	39.3
	4	278	32.6
	Total	853	100.0
Missing		33	
Total		886	

Q15d Education programs to learn about forests

1. Strongly wish to participate
2. Wish to participate if there is an opportunity
3. Do not wish to participate very much
4. Never wish to participate at all

		Frequency	Percent
Valid	1	31	3.6
	2	252	29.4
	3	288	33.6
	4	286	33.4
	Total	857	100.0
Missing		29	
Total		886	

Q16 Have you ever been made feel a peace of mind or wonderful of nature by forests?

1. Yes I have. ---> Please describe the situation when and where you did.
2. No I have not.

		Frequency	Percent
Valid	1	781	92.1
	2	67	7.9
	Total	848	100.0
Missing		38	
Total		886	

Q17 Have you ever been made feel a peace of mind or wonderful of nature by crop fields and pastures?

1. Yes I have. ---> Please describe the situation when and where you did.
2. No I have not.

		Frequency	Percent
Valid	1	631	75.7
	2	203	24.3
	Total	834	100.0
Missing		52	
Total		886	

Q18 Have you ever been made feel a peace of mind or wonderful of nature by rivers or lakes?

1. Yes I have. ---> Please describe the situation when and where you did.
2. No I have not.

		Frequency	Percent
Valid	1	669	80.6
	2	161	19.4
	Total	830	100.0
Missing		56	
Total		886	

Q19 (1) When you think of a river system from the upstream to the ocean as a watershed, do you think the people who live in the upstream area should pay attention to the environment of the downstream area? Please choose only one closest to your opinion from the following statements.

1. Yes, they should
2. Yes, they should to some degree
3. No, they do not need to do so
4. No, they never need to do so

		Frequency	Percent
Valid	1	609	70.6
	2	246	28.5
	3	7	0.8
	4	1	0.1
	Total	863	100.0
Missing		23	
Total		886	

Q19 (2) On the other hand, do you think the people who are using water in the downstream area should also pay attention to the environment of the upstream area?

1. Yes, they should
2. Yes, they should to some degree
3. No, they do not need to do so
4. No, they never need to do so

		Frequency	Percent
Valid	1	549	64.9
	2	276	32.6
	3	17	2.0
	4	4	0.5
	Total	846	100.0
Missing		40	
Total		886	

Q20 Where do you mainly gain knowledge and information about environment? Please choose all the sources you rely on from the following. (M. A.)

1. Book, magazine or newspaper
2. Television or radio broadcasting
3. Internet
4. Symposium or lecture meeting
5. School education
6. Your friends and acquaintances
7. Publicity of national and local government
8. Your real experiences
9. No source
0. Others

		Frequency	Percent
Valid	1	641	72.3
	2	799	90.2
	3	104	11.7
	4	33	3.7
	5	77	8.7
	6	197	22.2
	7	208	23.5
	8	168	19.0
	9	8	0.9
	0	20	2.3
Total		886	100.0

Q21 To what extent are you interested in each of the environmental problems I will say you?

Q21a Global warming

1. Very interested
2. Somewhat interested
3. Not much interested
4. Not at all interested

		Frequency	Percent
Valid	1	599	68.0
	2	232	26.3
	3	44	5.0
	4	6	0.7
	Total		881
Missing		5	
Total		886	

Q21b Reduction of the ozone layer

1. Very interested
2. Somewhat interested
3. Not much interested
4. Not at all interested

		Frequency	Percent
Valid	1	516	60.6
	2	261	30.7
	3	60	7.1
	4	14	1.6
	Total	851	100.0
Missing		35	
Total		886	

Q21c Acid rain

1. Very interested
2. Somewhat interested
3. Not much interested
4. Not at all interested

		Frequency	Percent
Valid	1	421	49.9
	2	291	34.5
	3	122	14.5
	4	10	1.2
	Total	844	100.0
Missing		42	
Total		886	

Q21d Deforestation

1. Very interested
2. Somewhat interested
3. Not much interested
4. Not at all interested

		Frequency	Percent
Valid	1	490	56.8
	2	297	34.4
	3	63	7.3
	4	13	1.5
	Total	863	100.0
Missing		23	
Total		886	

Q21e Desertification

1. Very interested
2. Somewhat interested
3. Not much interested
4. Not at all interested

		Frequency	Percent
Valid	1	342	41.0
	2	287	34.4
	3	176	21.1
	4	29	3.5
Total		834	100.0
Missing		52	
Total		886	

Q21f Ocean pollution

1. Very interested
2. Somewhat interested
3. Not much interested
4. Not at all interested

		Frequency	Percent
Valid	1	436	51.2
	2	306	35.9
	3	93	10.9
	4	17	2.0
Total		852	100.0
Missing		34	
Total		886	

Q21g Reduction of biological diversity

1. Very interested
2. Somewhat interested
3. Not much interested
4. Not at all interested

		Frequency	Percent
Valid	1	327	39.9
	2	312	38.0
	3	160	19.5
	4	21	2.6
Total		820	100.0
Missing		66	
Total		886	

Q21h Cross-border transport of wastes

1. Very interested
2. Somewhat interested
3. Not much interested
4. Not at all interested

		Frequency	Percent
Valid	1	423	50.2
	2	293	34.8
	3	113	13.4
	4	13	1.5
	Total	842	100.0
Missing		44	
Total		886	

Q21i Genetic recombination

1. Very interested
2. Somewhat interested
3. Not much interested
4. Not at all interested

		Frequency	Percent
Valid	1	340	41.2
	2	277	33.5
	3	169	20.5
	4	40	4.8
	Total	826	100.0
Missing		60	
Total		886	

Q22 Do you agree with the following opinions about the relationship between human beings and the nature?

Q22a In order to protect the environment, human activities must be limited.

1. Agree
2. Somewhat agree
3. Somewhat disagree
4. Disagree

		Frequency	Percent
Valid	1	341	43.3
	2	377	47.9
	3	48	6.1
	4	21	2.7
	Total	787	100.0
Missing		99	
Total		886	

Q22b In order to be happy, human beings must follow the nature.

1. Agree
2. Somewhat agree
3. Somewhat disagree
4. Disagree

		Frequency	Percent
Valid	1	325	40.4
	2	408	50.7
	3	60	7.5
	4	12	1.5
	Total	805	100.0
Missing		81	
Total		886	

Q22c Environmental conservation should be given priority to the economic growth.

1. Agree
2. Somewhat agree
3. Somewhat disagree
4. Disagree

		Frequency	Percent
Valid	1	241	32.0
	2	414	55.0
	3	89	11.8
	4	9	1.2
	Total	753	100.0
Missing		133	
Total		886	

Q22d Environmental problems will be resolved by the advancement of science and technology.

1. Agree
2. Somewhat agree
3. Somewhat disagree
4. Disagree

		Frequency	Percent
Valid	1	83	11.8
	2	230	32.7
	3	248	35.3
	4	142	20.2
	Total	703	100.0
Missing		183	
Total		886	

Q23 How often do you do each of the following behaviors in your daily life?

Q23a Separating garbage for recycling

1. Usually
2. Sometimes
3. Seldom
4. Not at all

		Frequency	Percent
Valid	1	786	88.9
	2	74	8.4
	3	10	1.1
	4	14	1.6
Total		884	100.0
Missing		2	
Total		886	

Q23b Saving energy

1. Usually
2. Sometimes
3. Seldom
4. Not at all

		Frequency	Percent
Valid	1	540	61.0
	2	293	33.1
	3	35	4.0
	4	17	1.9
Total		885	100.0
Missing		1	
Total		886	

Q23c Saving water

1. Usually
2. Sometimes
3. Seldom
4. Not at all

		Frequency	Percent
Valid	1	509	57.6
	2	277	31.3
	3	76	8.6
	4	22	2.5
Total		884	100.0
Missing		2	
Total		886	

Q23d Buying environmentally products

1. Usually
2. Sometimes
3. Seldom
4. Not at all

		Frequency	Percent
Valid	1	201	23.8
	2	365	43.2
	3	218	25.8
	4	61	7.2
Total		845	100.0
Missing		41	
Total		886	

Q23e Buying organic foods

1. Usually
2. Sometimes
3. Seldom
4. Not at all

		Frequency	Percent
Valid	1	192	22.8
	2	328	39.0
	3	223	26.5
	4	99	11.8
Total		842	100.0
Missing		44	
Total		886	

Q23f Not draining unclear wastewater from the household as much as possible

1. Usually
2. Sometimes
3. Seldom
4. Not at all

		Frequency	Percent
Valid	1	402	46.9
	2	311	36.3
	3	115	13.4
	4	29	3.4
Total		857	100.0
Missing		29	
Total		886	

Q24 Do you agree or disagree with following way of lives?

Q24a I have hobby or lifework to which I can devote my mind beside my work and home.

1. Strongly agree
2. Somewhat agree
3. Somewhat disagree
4. Strongly disagree

		Frequency	Percent
Valid	1	288	32.8
	2	319	36.3
	3	186	21.2
	4	85	9.7
Total		878	100.0
Missing		8	
Total		886	

Q24b I maintain a wide circle of relationships with friends and acquaintances.

1. Strongly agree
2. Somewhat agree
3. Somewhat disagree
4. Strongly disagree

		Frequency	Percent
Valid	1	307	35.2
	2	371	42.5
	3	163	18.7
	4	31	3.6
Total		872	100.0
Missing		14	
Total		886	

Q24c I would rather enjoy my present life than working hard and saving money for the future fun.

1. Strongly agree
2. Somewhat agree
3. Somewhat disagree
4. Strongly disagree

		Frequency	Percent
Valid	1	127	14.8
	2	374	43.4
	3	288	33.4
	4	72	8.4
Total		861	100.0
Missing		25	
Total		886	

Q24d I often sacrifice my private time or the time with my family for my work.

1. Strongly agree
2. Somewhat agree
3. Somewhat disagree
4. Strongly disagree

		Frequency	Percent
Valid	1	63	7.3
	2	208	24.0
	3	308	35.6
	4	287	33.1
Total		866	100.0
Missing		20	
Total		886	

Q25 Are you satisfied or dissatisfied with your life in general?

1. Satisfied
2. Somewhat satisfied
3. Neither satisfied nor dissatisfied
4. Somewhat dissatisfied
5. Dissatisfied

		Frequency	Percent
Valid	1	244	27.6
	2	498	56.4
	3	108	12.2
	4	33	3.7
Total		883	100.0
Missing		3	
Total		886	

Q26 (1) Sex (Confirmation by interviewer)

1. Male
2. Female

		Frequency	Percent
Valid	1	416	47.0
	2	470	53.0
Total		886	100.0

Q26 (2) How old are you?

		Frequency	Percent
Valid	20-29 years old	81	9.1
	30-39 years old	128	14.4
	40-49 years old	133	15.0
	50-59 years old	181	20.4
	60-69 years old	192	21.7
	70-79 years old	171	19.3
Total		886	100.0

Q27 What was the last school you attended (include whether graduated or not)? If you are student, what is the school you are attending now?

1. Elementary school (including normal elementary school in the old system)
2. Junior high school (including higher elementary school in the old system)
3. High school (including junior high school in the old system)
4. Vocational school entered after graduating high school
5. Junior college / College of technology (including high school in the old system)
6. University (including graduate school)
7. Others

		Frequency	Percent
Valid	Elementary School/ Junior high school	216	24.9
	High school	360	41.5
	Junior college/ University	292	33.6
	Total	868	100.0
	Missing	18	
Total		886	

Q28 Do you have a job? If you do, what kind of a job is it? Please describe it very specifically.

		Frequency	Percent
Valid	Agriculture/ Forestry/Fishery	54	6.2
	Non-manual	265	30.4
	Manual	192	22.0
	Not-employed/ Student	361	41.4
	Total	872	100.0
Missing		14	
Total		886	

Q29 How many children and grandchildren before junior high school live in your household?

		Frequency	Percent
Valid	0 persons	588	67.0
	1 persons	105	12.0
	2 persons	116	13.2
	3 persons	38	4.3
	More than 4	30	3.4
	Total	877	100.0
Missing		9	
Total		886	

Q30 What is the total annual income including tax of your entire household.

1. Less than 3 million yen
2. 3 million yen - 6 million yen
3. 6 million yen - 9 million yen
4. More than 9 million yen

		Frequency	Percent
Valid	Less than 3 million	191	31.9
	3 - 6 million	212	35.5
	More than 6 million	195	32.6
	Total	598	100.0
Missing		288	
Total		886	