

SUPPLEMENTARY MATERIAL 1 – FROG AND TURTLE SURVEY ITEMS

Howell, Warwick, and Bennett

Pet management practices of frog and turtle owners in Victoria, Australia

FOR FROG OWNERS

B1. Thinking about your frog(s). Do your frogs have names?

Yes..... 1 * Int 1
No 2 # Int 2

INTRO 1

We are now going to ask you questions about one of your pet frogs. Please **pick the frog whose name starts with the letter closest to 'A'**. Please keep this specific frog in mind when answering the following questions.

INTRO 2

We are now going to ask you questions about one of your pet frogs. Please choose one of the frogs of the species that you have most of. Please keep this specific frog in mind when answering the following questions.

ASK ALL OWN A PET FROG IE CODE 1 IN A6

B2. What species is this frog? (*Please write both common name and Latin name, if known*) _____

B3. What sex is this frog?

Male..... 1
Female..... 2
Don't know..... 3

Please select one option only

B4. How old is this frog?

Less than one year..... 1
1-2 years 2
3-10 years 3
11-20 4
Over 20 years old 5
Don't know..... 6

Please select one option only

B5. What length is your frog?

Tiny (less than 1cm)..... 1
Small (1cm - 4cm)..... 2
Medium (4cm - 8cm)..... 3
Large (over 8cm)..... 4

Please select one option only

B6. How old was this frog when you first acquired it?

Less than one month..... 1
1-4 months 2
4-12 months 3
Over 12 months..... 4
Don't know 5

Please select one option only

B7. Where did you get this frog? **ROTATE 1-5**

Bred it myself 1
Licensed Breeder 2
Specialist/Herp pet shop..... 3
Gift 4
Regular pet shop..... 5
Other (*please write*)..... 6

Please select one option only

B8. What was the purchase price of your frog (not including the enclosure and other start-up costs)?

Nothing/ free..... 1
Less than \$20..... 2
\$21-\$40 3
\$41-\$60 4
\$61-\$80..... 5
More than \$80..... 6
Don't know 7

Please select one option only

Nothing/ free..... 1

- B9. What was the total purchase price of your frog's enclosure and other start-up costs, not including the frog itself?
- | | |
|------------------------|---|
| Less than \$50..... | 2 |
| \$51-\$100..... | 3 |
| \$101-\$500..... | 4 |
| \$501-\$1,000..... | 5 |
| More than \$1,000..... | 6 |
| Don't know..... | 7 |
- Please select one option only**
- B10. How much do you expect to spend on caring for this frog over the course of its entire life, including initial setup of the enclosure?
- | | |
|-------------------------|---|
| Less than \$500..... | 1 |
| \$501-\$1,000..... | 2 |
| \$1,001-\$2,000..... | 3 |
| \$2,001-\$5,000..... | 4 |
| \$5,001-\$10,000..... | 5 |
| More than \$10,000..... | 6 |
| Don't know..... | 7 |
- Please select one option only**
- B11. When did you set up the enclosure and the required environmental parameters for keeping this frog?
- | | |
|---|---|
| Long before purchasing the frog..... | 1 |
| Shortly before purchasing the frog..... | 2 |
| At the same time that I purchased the frog..... | 3 |
| Shortly after purchasing the frog..... | 4 |
| Long after purchasing the frog..... | 5 |
- Please select one option only**
- B12. How many frogs that are *roughly the same size* as this frog currently share the enclosure?
- | | |
|--|---|
| None..... | 1 |
| One..... | 2 |
| Two..... | 3 |
| Three..... | 4 |
| Four..... | 5 |
| Five..... | 6 |
| Six..... | 7 |
| Seven..... | 8 |
| More than 7 (<i>please write</i>)..... | 9 |
- Please select one option only**
- B13. How many frogs that are *very different in size* from this frog currently share the enclosure?
- | | |
|--|---|
| None..... | 1 |
| One..... | 2 |
| Two..... | 3 |
| Three..... | 4 |
| Four..... | 5 |
| Five..... | 6 |
| Six..... | 7 |
| Seven..... | 8 |
| More than 7 (<i>please write</i>)..... | 9 |
- Please select one option only**
- B14. What is the climate of your frog species' natural habitat?
- | | |
|------------------------------------|---|
| Tropical..... | 1 |
| Semi-tropical..... | 2 |
| Temperate/Cool..... | 3 |
| Other (<i>please write</i>)..... | 4 |
| Don't know..... | 5 |
- Please select one option only ROTATE 1-3**
- B15. My frog is a:
- | | |
|------------------------------------|---|
| Burrowing frog..... | 1 |
| Tree frog..... | 2 |
| Stream-dwelling frog..... | 3 |
| Other (<i>please write</i>)..... | 4 |
| Don't know..... | 5 |
- Please select one option only ROTATE 1-3**
- B16. My frog is most active:
- | | |
|---------------------------------------|---|
| During the day..... | 1 |
| At night..... | 2 |
| Both during the day and at night..... | 3 |
| At dawn and dusk..... | 4 |
- ROTATE 1-4**
Please select one option only

B17. Please indicate to what extent you agree or disagree with these statements about this frog? **ROTATE A-E**

	STRONGLY DISAGREE	STRONGLY DISAGREE	NEITHER AGREE NOR DISAGREE	AGREE	AGREE
A. I consider my frog to be a member of my family	1	2	3	4	5
B. My frog is well cared for relative to frogs in other homes	1	2	3	4	5
C. I am confident in my ability to take good care of my frog	1	2	3	4	5
D. Taking care of my frog is more difficult than I expected it to be	1	2	3	4	5
E. Taking care of my frog is one of my highest priorities	1	2	3	4	5

B18. Do you allow/intend to allow this frog to breed? Yes 1
 No 2
 Don't know 3

Please select one option only

IF B18 CODE 2 OR 3, ASK B19

B19. If you do not intend to allow this frog to breed or are unsure of your intentions, what precautions do you take to ensure that there is no accidental mating? There is only one frog in the enclosure.....1
 All frogs in the enclosure are the same sex2
 Other (*please write*)3
 I do not take any precautions.....4

ROTATE 1-2

Please select one option only

IF B18 CODE 1, ASK B20

B20. If you do allow this frog to breed now or in the future, what do/will you do with this frog's offspring? **ROTATE 1-4** Sell them to individual buyers.....1
 Keep them.....2
 Sell them to a licensed pet shop/dealer.....3
 Sell them online (e.g herp forums).....4
 Other (*please write*)5
 Don't know.....6

Please select all that apply

B21. If children visit or live in your home, to what extent are they supervised when they interact with this frog? Extremely well supervised.... 1
 Very well supervised 2
 Moderately supervised 3
 Not very well supervised 4
 Not supervised at all 5
 Not applicable 6

Please select one option only

B22. How often do you handle this frog? Once per day or more.....1
 2 to 6 times per week.....2
 Once per week.....3
 A few times per month.....4
 Once per month.....5
 Less than once per month..6
 Never.....7

Please select one option only

ASK B23 –B25 IF B22 CODE 1-6

B23. How often do you wash your hands or put on gloves before handling your frog? Every time1
 Most of the time.....2
 About half the time3
 Less than half the time.....4
 Never5

Please select one option only

B24. How often do you ensure that your hands or gloves are wet before handling your frog? Every time1
 Most of the time.....2
 About half the time3
 Less than half the time.....4
 Never5

Please select one option only

B25. How careful are you to avoid causing your frog stress, discomfort, or accidental injury during handling? Extremely careful.....1
 Somewhat careful2
 Moderately careful.....3
 Not very careful4
 Not careful at all5

Please select one option only

B26. Since you acquired your frog, has it ever lived in a colony with other frogs? Yes 1
 No 2

Please select one option only

ASK B27 – B29 IF FROG LIVED IN COLONY IE B26 CODE 1

B27. When you first acquired your frog, how long did you wait before adding it to the colony? I immediately added this frog to the colony....1
 Less than 1 week.....2
 1-2 weeks.....3
 3-4 weeks4
 5-7 weeks5
 8 weeks or longer.....6
 Not applicable/Frog was first in colony.....7

Please select one option only

ASK B28 IF B27 CODE 2-6

B28. How did you quarantine this frog before adding it to the colony? **ROTATE 1-2** I kept it in a separate enclosure in the same room....1
 I kept it in a separate enclosure in a different room...2
 Not applicable/frog was first in the colony.....3
 Other (please write)4

Please select one option only

B29. If your frog became sick, when would you remove it from the colony? Immediately.....1
 After 1 day.....2
 After 2-6 days.....3
 After 1 week4
 Only if it died5
 Not applicable/Frog currently lives alone.....6

Please select one option only

B30. To what extent is your frog protected from contact with vermin and other household pets? Extremely well protected.....1
 Somewhat well protected.....2
 Moderately protected.....3
 Not very well protected4
 Not protected at all5

Please select one option only

B31. To what extent is your frog able to retreat from excessive sight or sound intimidation from other animals? Completely.....1
 Somewhat.....2
 Moderately3
 Not very much4
 Not at all5

Please select one option only

B32. Please rate the extent to which each item describes your frog's enclosure. My frog's enclosure:

	Completely describes	Somewhat describes	Moderately describes	Does not really describe	Does not describe at all
Is escape-proof					
Is well-ventilated					
Is placed in direct sunlight					
Provides shade at all times					
Has structures that could easily collapse					
Provides continuous, unrestricted access to clean water					
Is protected from airborne contaminants					
Protects my frog from extremes in temperatures					
Is protected from sudden or excessive noise					
Is completely dark					
Provides enough space for my frog to move around					
Provides an environment for my frog to explore					
Is easy for me to access and clean					
Is completely solid					
Has a secure lid that is covered with mesh					
Is waterproof					
Regularly has visible condensation on the walls					
Contains aquatic plants or partially submerged objects in water areas					

B33. Please list the dimensions of your frog's enclosure in cm (*please provide approximate dimensions if you are unsure of exact size*).

Height: _____ Length: _____ Width: _____

B34. How deep is the water in the deepest and shallowest water parts of your frog's enclosure (*please provide approximate depths if you are unsure of the exact depths*)?

Depth at deepest point: _____ Depth at shallowest point: _____

B35. How often is your frog exposed to: *Very often Quite often Sometimes Rarely Never*

- _____ Aerosol sprays
- _____ Smoke
- _____ Vapours
- _____ Chemical fumes from cleaning products
- _____ Deodorants
- _____ Hairsprays

B36. What type of light is used to light your frog's enclosure? **ROTATE 1-7**

Please select one option only

- A 'reptile' UVB-emitting fluorescent tube.....1
- A regular fluorescent tube.....2
- A halogen bulb3
- Lighting in the room provides light for the frog's enclosure .4
- An NEC blacklight5
- Natural sunlight.....6
- LED lighting.....7
- Other (please write) _____.....8
- None9

B37. How many hours of light per day do you provide for your frog? If it varies with the seasons, please average across the year.

Please select one option only

- 0-4 hours.....1
- 4-8 hours.....2
- 8-12 hours3
- 12-16 hours4
- 16-20 hours5
- 20-24 hours6

B38. Do you seasonally change the environmental conditions (e.g. temperature, lighting, and humidity) provided to your frog?

Please select one option only

- Yes ..1
- No....2

B39. Is there a thermometer in your frog's enclosure?

Please select one option only

- Yes.....1
- No.....2

B40. What is the air temperature inside your frog's enclosure?

Please select one option only

- Less than 15°C.....1
- 15-16°C2
- 16-18°C3
- 18-20°C4
- 20-22°C.....5
- 22-24°C.....6
- 24-26°C.....7
- 26-28°C.....8
- 28-30°C.....9
- Over 30°C.....10
- Don't know.....11

B41. What is the water temperature inside your frog's enclosure?

Please select one option only

- Less than 15°C.....1
- 15-16°C2
- 16-18°C3
- 18-20°C4
- 20-22°C.....5
- 22-24°C.....6
- 24-26°C.....7
- 26-28°C.....8
- 28-30°C.....9
- Over 30°C.....10
- Don't know.....11

- B42. How do you control the air and water temperature in your frog's enclosure?
- Please select all that apply**
ROTATE 1-5
- Reptile heating pad under or behind enclosure....1
 - Water heater placed in water section.....2
 - Radiant heat source spot/heat lamp3
 - Infrared spotlight4
 - Halogen lighting.....5
 - Other (*please write*) _____.....6
 - None7

ASK B43 IF B42 CODE 3

- B43. Is your frog able to touch or access the heat source?
Please select one option only
- Yes.....1
No.....2
- B44. Is your heat source controlled by a thermostat?
Please select one option only
- Yes.....1
No.....2

ASK B45 IF B44 CODE 2

- B45. How often do you check the temperature in your frog's enclosure?
Please select one option only
- Once per day or more.....1
 - 2 to 6 times per week.....2
 - Once per week.....3
 - A few times per month.....4
 - Once per month.....5
 - Less than once per month..6
 - Never.....7

- B46. How often do you monitor the humidity level in your frog's enclosure?
Please select one option only
- Once per day or more.....1
 - 2 to 6 times per week.....2
 - Once per week.....3
 - A few times per month.....4
 - Once per month.....5
 - Less than once per month..6
 - Never.....7

- B47. How do you measure the humidity level in your frog's enclosure?
ROTATE 1-3
Please select all that apply
- Hygrometer.....1
 - I check for visible condensation on walls of enclosure....2
 - I check for changes in the frog's behaviour.....3
 - Other (*please write*) _____.....4
 - I do not measure the humidity in my frog's enclosure5

- B48. What is the humidity level range in your frog's enclosure?
Please select one option only
- Less than 30%.....1
 - 30% to 40%.....2
 - 41% to 50%.....3
 - 51% to 60%.....4
 - 61% to 70%.....5
 - 71% to 80%.....6
 - Over 80%.....7
 - Don't know8

- B49. Does your frog's enclosure have a water filter?
Please select one option only
- Yes.....1
No.....2

ASK B50 IF B49 CODE 1

- B49. How often do you change or clean the water filter?
Please select one option only
- Once per month or more.....1
 - Once every 2 to 3 months.....2
 - Once every 4 to 6 months.....3
 - Once every 7 to 12 months.....4
 - Less than once per year.....5
 - Never6

- B50. How often do you change or filter your body of water?
Please select one option only
- Once a day or more.....1
 - Every 2 to 3 days.....2
 - Every 4 to 6 days.....3
 - Once per week.....4
 - Less than once per week...5
 - Never.....6

- B51. Is the water in the enclosure easy for you to find and access? Yes.....1
Please select one option only No.....2
- B52. How do you dechlorinate tap water before adding it to the enclosure? **ROTATE 1-3**
Please select one option only
- Dechlorination drops.....1
 - Allow water to stand in tubs for a few days2
 - Run water through carbon filters.....3
 - Other (*please write*).....4
 - I do not use tap water in my frog's enclosure.....5
 - I do not dechlorinate tap water before adding it to my frog's enclosure...6
- B53. Are pipes used to run water through your frog's enclosure? Yes1
Please select one option only No2

ASK B54 IF B53 CODE 1

- B54. What are the pipes made of? **Please select one option only**
- Plastic1
 - Copper2
 - Galvanised Metal.....3
 - Other (*please write*).....4
- B55. What material is on the bottom of your frog's enclosure? **ROTATE 1-6**
Please select all that apply
- Pit Peat1
 - Gravel2
 - Soil.....3
 - Sand.....4
 - Stone.....5
 - Bark.....6
 - Other (*please write*).....7
- B56. How often do you mist your frog's enclosure? **Please select one option only**
- Twice a day or more.....1
 - Once per day.....2
 - Every 2 to 3 days.....3
 - Every 4 to 6 days.....4
 - Once per week.....5
 - Less than once per week...6
 - Never.....7
- B57. What do you regularly feed your frog? **ROTATE 1-14**
Please select all that apply
- Cockroaches1
 - Flies/fly pupae.....2
 - Spiders.....3
 - Moths.....4
 - Mealworms.....5
 - Crickets.....6
 - Bloodworms.....8
 - Grasshoppers.....9
 - Waxworms.....10
 - Silkworms.....11
 - Earthworms.....12
 - Pinkies.....13
 - Fuzzy mice.....14
 - Other (*please write*).....15
- B58. How much do you feed your frog each week? **Please select one option only**
- Less than 5% of its body weight1
 - 5% to 10% of its body weight2
 - 11% to 20% of its body weight.....3
 - 21% to 30% of its body weight.....4
 - 31% to 40% of its body weight.....5
 - 41% to 50% of its body weight.....6
 - 51% to 60% of its body weight.....7
 - 61% to 70% of its body weight.....8
 - 71% to 80% of its body weight.....9
 - 81% to 90% of its body weight.....10
 - 91% to double its body weight.....11
 - More than double its body weight.....12
 - Not sure13
- Common sense1

B59. How do you primarily decide how much to feed your frog each week?

Please select one option only
ROTATE 1-10

Advice from a regular vet2
Advice from a specialist/herp vet.....3
Advice from a specialist/herp pet shop employee.....4
Advice from a regular pet shop employee.....5
Friends or family.....6
Books.....7
The internet.....8
How hungry the frog appears.....9
I feed my frog whenever it is convenient for me.....10
Other (please write)11

B60. What is the source of the insect food you provide for your frog?

Please select all that apply
ROTATE 1-4

Regular pet shop1
Specialist/herp pet shop.....2
I breed them at home.....3
I capture them myself.....4
Other (please write)5
I never feed insects to my frog6

ASK B61 IF B60 CODE 3 OR 4

B61. How careful are you to ensure that the insect food you provide from home has not encountered any insecticides?

Please select one option only

Extremely careful.....1
Somewhat careful... ..2
Moderately careful.....3
Not very careful4
Not careful at all5
Not applicable.....6

B62. Do you supplement your frog's diet with vitamins and calcium?

Please select one option only

Yes...1
No.....2

B63. How confident are you that you would know if your frog was underweight or overweight?

Please select one option only

Extremely confident.....1
Somewhat confident.....2
Moderately confident.....3
Not very confident.....4
Not confident at all5

B64. How would you describe your frog's body condition?

Please select one option only

Extremely underweight.....1
Somewhat underweight.....2
Neither underweight nor overweight.....3
Somewhat overweight.....4
Extremely overweight.....5
Don't know.....6

B65. If this frog developed symptoms of a potential health problem, when do you think you would first notice them?

Please select one option only

The same day the symptoms started.....1
The day after the symptoms started.....2
2 to 6 days after the symptoms started.....3
One week after the symptoms started4
More than one week after the symptoms started5
I probably would not notice.....6
Don't know.....7

B66. What do you look for when examining your frog for potential health problems?

ROTATE 1-14
Please select all that apply

Posture and attitude in water.....1
Posture and attitude out of water2
Activity level in water.....3
Activity level out of water.....4
Response to stimuli (including handling).....5
Withdrawal reflex.....6
Ability to 'right' itself.....7
Assessment of its body condition.....8
Assessment of its state of hydration.....9
Appetite and dietary history.....10
Observing faecal matter for any abnormalities...11
Skin discolourations.....12
Haemorrhages/skin ulcerations.....13
Unusual behaviour.....14
Other (*please write*).....15
I do not examine my frog for health problems....16

B67. If your frog developed symptoms of a potential health problem, how long would you wait before consulting a veterinarian?

Please select all that apply

- I would consult a veterinarian immediately.....1
- A few hours.....2
- One day.....3
- 2 to 3 days.....4
- 4 to 6 days.....5
- One week.....6
- More than one week.....7
- I would not consult a veterinarian.....8

B68. Which of the following frog diseases have you heard of?

ROTATE 1-6

Please select all that apply

- Red leg.....1
- Chytrid fungus infections.....2
- Nutritional bone disease.....3
- Vitamin A accumulation.....4
- Gout.....5
- Oxalate toxicity.....6
- Other (*please write*).....7
- None of these.....8

FOR TURTLE OWNERS

- E1. Thinking about your turtle(s)/tortoise(s). Do your turtles/tortoises have names? Yes..... 1 * Int 1
No 2 # Int 2

INTRO 1

We are now going to ask you questions about one of your pet turtles/tortoises. Please **pick the turtle/tortoise whose name starts with the letter closest to 'A'**. Please keep this specific turtle/tortoise in mind when answering the following questions.

INTRO 2

We are now going to ask you questions about one of your pet turtles/tortoises. Please choose one of the turtles/tortoises of the species that you have most of. Please keep this specific turtle/tortoise in mind when answering the following questions.

ASK ALL OWN A PET TURTLE/TORTOISE IE CODE 4 IN A6

- E2. What species is this turtle/tortoise? (*Please write both common name and Latin name, if known*) _____

- E3. What sex is this turtle/tortoise? Male..... 1
Female 2
Don't know..... 3
Please select one option only

- E4. How old is this turtle/tortoise? Less than one year 1
1-2 years 2
3-10 years 3
11-20 4
Over 20 years old 5
Don't know..... 6
Please select one option only

- E5. Please write your turtle/tortoise shell's length in cm. _____

- E6. How old was this turtle/tortoise when you first acquired it? Less than one month..... 1
1-4 months 2
4-12 months 3
Over 12 months..... 4
Don't know 5
Please select one option only

- E7. Where did you get this turtle/tortoise? **ROTATE 1-7** Bred it myself.....2
Licensed Breeder3
Specialist/Herp pet shop. ...4
Gift.....5
Regular pet shop.....7
Other10
Please select one option only

- E8. What was the purchase price of your turtle/tortoise (not including the enclosure and other start-up costs)? Nothing/ free 1
Less than \$50 2
\$50-\$100..... 4
\$101-\$200.....5
\$201-\$300..... 6
\$301-\$500.....7
Over \$500.....8
Don't know 9
Please select one option only

- E9. What was the total purchase price of your turtle/tortoise's enclosure and other start-up costs, not including the turtle/tortoise itself? Nothing/ free1
Less than \$502
\$51-\$100.....3
\$101-\$500.....4
\$501-\$1,000.....5
More than \$1,000.....6
Don't know7
Please select one option only

E10. How much do you expect to spend on caring for this turtle/tortoise over the course of its entire life, including the initial setup of the enclosure?

Please select one option only

Less than \$500 1
 \$501-\$1,000..... 2
 \$1,001-\$5,000..... 3
 \$5,001-\$10,000..... 4
 \$10,001-\$20,000..... 5
 More than \$20,000..... 6
 Don't know 7

E11. When did you set up the enclosure and the required environmental parameters for keeping this turtle/tortoise?

Please select one option only

Long before purchasing the turtle/tortoise.....1
 Shortly before purchasing the turtle/tortoise.....2
 At the same time that I purchased the turtle/tortoise.3
 Shortly after purchasing the turtle/tortoise.....4
 Long after purchasing the turtle/tortoise.....5

E12. How many turtle/tortoises that are *roughly the same size* as this turtle/tortoise share the enclosure?

Please select one option only

None.....1
 One.....2
 Two.....3
 Three4
 Four.....5
 Five.....6
 Six.....7
 Seven.....8
 More than 7 (*please write*).....9

E13. How many turtle/tortoises that are *very different in size* from this turtle/tortoise share the enclosure?

Please select one option only

None.....1
 One.....2
 Two.....3
 Three4
 Four.....5
 Five.....6
 Six.....7
 Seven.....8
 More than 7 (*please write*).....9

E14. The climate of my turtle/tortoise species' natural habitat is:

ROTATE 1-2
Please select all that apply

Temperate/cool1
 Tropical/semi-tropical2
 Other (*please write*).....3
 Don't know4

E15. My turtle/tortoise is most active:

Please select one option only

During the day1
 At night.....2
 Both during the day and at night.....3
 At dusk and dawn.....4

E16. Please indicate to what extent you agree or disagree with these statements about this turtle/tortoise?
ROTATE A-E

	STRONGLY STRONGLY DISAGREED	DISAGREED	NEITHER AGREE NOR DISAGREE	AGREE	AGREE
A. I consider my turtle/tortoise to be a member of my family.....	1	2	3	4	5
B. My turtle/tortoise is well cared for relative to turtle/tortoises in other homes	1	2	3	4	5
C. I am confident in my ability to take good care of my turtle/tortoise..	1	2	3	4	5
D. Taking care of my turtle/tortoise is more difficult than I expected it to be.....	1	2	3	4	5
E. Taking care of my turtle/tortoise is one of my highest priorities	1	2	3	4	5

E17. Do you allow/intend to allow this turtle/tortoise to breed?

Please select one option only

Yes 1
 No 2
 Don't know 3

IF E17 CODE 2, ASK E18

- E18. If you do not intend to allow this turtle/tortoise to breed or are unsure of your intentions, what precautions do you take to ensure that there is no accidental mating?
Please select one option only – ROTATE 1-2
- There is only one turtle/tortoise in the enclosure.....1
All turtle/tortoises in the enclosure are the same sex 2
Other (*please write*)3
I do not take any precautions.....4

IF E17 CODE 1, ASK E19

- E19. If you allow this turtle/tortoise to breed now or in the future, what do/will you do with this turtle/tortoise's offspring? **ROTATE 1-5**
Please select all that apply
- Sell them to individual buyers.....1
Keep them.....2
Sell them to a licensed pet shop/dealer.....3
Sell them online (e.g herp forums).....4
Other (*please write*)5
Don't know.....6

- E20. If children visit or live in your home, to what extent are they supervised when they interact with this turtle/tortoise?
Please select one option only
- Extremely well supervised 1
Very well supervised2
Moderately supervised3
Not very well supervised.....4
Not supervised at all5
Not applicable.....6

- E21. How often do you handle this turtle/tortoise?
Please select one option only
- Once per day or more..... 1
2 to 6 times per week.....2
Once per week.....3
A few times per month.....4
Once per month.....5
Less than once per month..6
Never.....7

ASK E22 IF E21 CODE 1-6

- E22. How careful are you to avoid causing your turtle/tortoise stress, discomfort, or accidental injury during handling?
Please select one option only
- Extremely careful..... 1
Somewhat careful2
Moderately careful.....3
Not very careful4
Not careful at all5
Not applicable.....6

- E23. Since you acquired your turtle/tortoise, has it ever lived in a colony with other turtle/tortoises?
Please select one option only
- Yes 1
No..... 2

ASK E24 –E26 IF TURTLE/TORTOISE HAS LIVED IN COLONY

- E24. When you first acquired your turtle/tortoise, how long did you wait before adding it to the colony?
Please select one option only
- I immediately added this turtle/tortoise to the colony....1
Less than 1 week.....2
1-2 weeks.....3
3-4 weeks4
5-7 weeks5
8 weeks or more.....6
Not applicable - Turtle/tortoise was first in the colony..7

ASK E25 IF E24 CODE 2-6

- E25. How did you quarantine this turtle/tortoise before adding it to the colony? **ROTATE 1-2**
Please select one option only
- I kept it in a separate enclosure in the same room....1
I kept it in a separate enclosure in a different room...2
Other (*please write*)3
- E26. If your turtle/tortoise became sick, when would you remove it from the colony?
Please select one option only
- Immediately.....1
After 1 day.....2
After 2-6 days.....3
After 1 week4
Only if it died5
Not applicable - turtle/tortoise currently lives alone..6

E27. To what extent is your turtle/tortoise protected from contact with vermin and other household pets? Extremely well protected.....1
Somewhat well protected.....2
Moderately protected.....3
Not very well protected4
Not protected at all5

Please select one option only

E28. To what extent is your turtle/tortoise able to retreat from excessive sight or sound intimidation from other animals? Completely.....1
Somewhat.....2
Moderately3
Not very much4
Not at all5

Please select one option only

E29. Please rate the extent to which each item describes your turtle/tortoise's enclosure. My turtle/tortoise's enclosure:

	Completely describes	Somewhat describes	Moderately describes	Does not really describe	Does not describe at all
Is escape-proof					
Is well-ventilated					
Provides access to direct sunlight					
Has smooth walls					
Provides a hiding place for my turtle/tortoise					
Provides continuous, unrestricted access to clean water					
Is protected from airborne contaminants					
Protects my turtle/tortoise from extremes in temperatures					
Is protected from sudden or excessive noise					
Provides shade at all times					
Provides enough space for my turtle/tortoise to move around					
Provides an environment for my turtle/tortoise to explore					
Is easy and safe for me to access and clean					
Is completely solid					
Has a secure lid/door fitted with latches, hooks, or clasps					
Is waterproof					
Regularly has visible condensation on the walls					
Is regularly exposed to vibrations (e.g. from loud music or construction)					
Has a higher temperature at one end than the other					
Is well-drained					
Provides areas that are permanently covered and dry					
Has a pool with a smooth, rounded edge					
Provides a gently sloping floor from the water to the dry area					
Provides a dry basking site in the warmest part of the enclosure					
Has a body of water at least 30cm deep					
Gives protection from possible predators, including birds and domestic pets					

E30. Do you have an outdoor enclosure for your turtle/tortoise? Yes.....1
No.....2

Please select one option only

ASK E31 AND E32 IF E30 CODE 1

E31. Is the climate of your turtle/tortoise species' natural habitat similar to the climate where you live? Yes.....1
No.....2
Don't know..3

Please select one option only

E32. My turtle/tortoise's outdoor enclosure:

	Completely describes	Somewhat describes	Moderately describes	Does not really describe	Does not describe at all
Has walls that are built at least 50cm into the ground or has a cement slab covering the bottom					
Is tall enough to prevent escape or completely enclosed					
Has a tall barrier angled 45 degrees inward at the top of the enclosure					
Is near shrubs					
Is able to be accessed by unsupervised people					
Gives protection from possible predators, including birds and domestic pets					

E33. Please list the dimensions of your turtle/tortoise's enclosure in cm (*please provide approximate dimensions if you are unsure of its exact size*).

Height: _____ Length: _____ Width: _____

E34. How often is your turtle/tortoise exposed to: *Very often Quite often Sometimes Rarely Never*

Aerosol sprays	
Smoke	
Vapours	
Chemical fumes from cleaning products	
Deodorants	
Hairsprays	

E35. What type of light is used to light your turtle/tortoise's enclosure?
ROTATE 1-7
Please select one option only

A 'reptile' UVB-emitting fluorescent tube.....	1
A regular fluorescent tube.....	2
A halogen bulb	3
Lighting in the room provides light for the turtle/tortoise's enclosure..	4
An NEC blacklight	5
LED lighting.....	6
Natural sunlight.....	7
Other (<i>please write</i>) _____.....	8
None	9

E36. How many hours of light per day do you provide for your turtle/tortoise?
If it varies with the seasons, please average across the year.
Please select one option only

0-4 hours.....	1
4-8 hours.....	2
8-12 hours	3
12-16 hours	4
16-20 hours	5
20-24 hours	6

E37. Do you seasonally change the environmental conditions (e.g. temperature, lighting, and humidity) provided to your turtle/tortoise?
Please select one option only

Yes.....	1
No.....	2

E38. Is there a thermometer in your turtle/tortoise's enclosure?
Please select one option only

Yes.....	1
No.....	2

E39. What is the air temperature inside the warmest part of your turtle/tortoise's enclosure?
Please select one option only

Less than 5°C.....	1
6-10°C	2
11-15°C	3
16-20°C	4
21-25°C.....	5
26-30°C.....	6
30-35°C.....	7
36-40°C.....	8
Over 40°C.....	9

E40. What is the air temperature inside the coolest part of your turtle/tortoise's enclosure? Less than 5°C.....1
6-10°C2
11-15°C3
16-20°C4
21-25°C.....5
26-30°C.....6
30-35°C.....7
36-40°C.....8
Over 40°C.....9

Please select one option only

E41. What is the water temperature inside your turtle/tortoise's enclosure? Less than 15°C.....1
15-16°C2
16-18°C3
18-20°C4
20-22°C.....5
22-24°C.....6
24-26°C.....7
26-28°C.....8
28-30°C.....9
Over 30°C.....10

Please select one option only

E42. How do you control the air and water temperature in your turtle/tortoise's enclosure? Reptile heating pad under or behind enclosure.....1
Water heater placed in water section.....2
Radiant heat source spot/heat lamp3
Infrared spotlight4
Halogen lighting.....5
Other (please write)6
None7

ROTATE 1-5
Please select all that apply

ASK E43 IF E42 CODE 2

E43. Is this turtle/tortoise able to touch or access the heat source? Yes.....1
No.....2

Please select one option only

E44. Is your turtle/tortoise's heat source controlled by a thermostat? Yes.....1
No.....2

Please select one option only

ASK E45 IF E44 CODE 2

E45. How often do you check the temperature in your turtle/tortoise's enclosure? Once per day or more.....1
2 to 6 times per week.....2
Once per week.....3
A few times per month.....4
Once per month.....5
Less than once per month...6
Never.....7

Please select one option only

E46. How often do you monitor the humidity level in your turtle/tortoise's enclosure? Once per day or more.....1
2 to 6 times per week.....2
Once per week.....3
A few times per month.....4
Once per month.....5
Less than once per month...6
Never.....7

Please select one option only

E47. How do you measure the humidity level in your turtle/tortoise's enclosure? Hygrometer.....1
I check for visible condensation on walls of enclosure.....2
I check for changes in the turtle/tortoise's behaviour.....3
Other (please write)4
I do not measure the humidity in my turtle/tortoise's enclosure5

ROTATE 1-3
Please select one option only

E48. What is the humidity level range in your turtle/tortoise's enclosure? Less than 30%.....1
30% to 40%2
41% to 50%.....3
51% to 60%.....4
61% to 70%.....5
71% to 80%.....6
Over 80%.....7
Don't know8

Please select one option only

E49. Does your turtle/tortoise's enclosure have a water filter? Yes.....1
 Please select one option only No.....2

ASK E50 IF E49 CODE 1

E50. How often do you change or clean the water filter? Once per month or more.....1
 Please select one option only Once every 2 to 3 months.....2
 Once every 4 to 6 months.....3
 Once every 7 to 12 months.....4
 Less than once per year.....5
 Never6

E51. How often do you change or filter your body of water? Once a day or more.....1
 Please select one option only Every 2 to 3 days.....2
 Every 4 to 6 days.....3
 Once per week.....4
 Less than once per week...5
 Never.....6

E52. Is the water in the enclosure easy for you to find and access? Yes.....1
 Please select one option only No.....2

ASK E53 IF E14 CODE 2

E53. How often do you mist your turtle/tortoise's enclosure? Twice a day or more.....1
 Please select one option only Once per day.....2
 Every 2 to 3 days.....3
 Every 4 to 6 days.....4
 Once per week.....5
 Less than once per week...6
 Never.....7

E54. What do you regularly feed your turtle/tortoise? Cockroaches.....1
 ROTATE 1-17 Crickets.....2
 Please select all that apply Silkworms.....3
 Snails.....4
 Shrimp.....5
 Fish6
 Mussels.....7
 Mealworms.....8
 Krill.....9
 Bloodworms10
 Plankton.....11
 Turtle/tortoise pellets.....12
 Cichlid pellets.....13
 Live plants.....14
 Commercial turtle/tortoise food..15
 Grasshoppers.....16
 Earthworms.....17
 Other (please write)____.....18

E55. How do you decide how much do you feed your turtle/tortoise? Common sense1
 ROTATE 1-10 Advice from a regular vet2
 Please select one option only Advice from a specialist/herp vet.....3
 Advice from a specialist/herp pet shop employee.....4
 Advice from a regular pet shop employee.....5
 Friends or family.....6
 Books.....7
 The internet.....8
 How hungry the turtle/tortoise appears.....9
 I feed my turtle/tortoise whenever it is convenient for me..10
 Other (please write)11

E56. Do you ever feed *live* vertebrates (e.g. live mice/pinkies) to your turtle/tortoise? Yes.....1
 Please select one option only No.....2

E57. Do you place food in the water body of the turtle/tortoise's enclosure? Yes...1
Please select one option only No....2

E58. Do you supplement your turtle/tortoise's diet with vitamins and calcium? Yes...1
Please select one option only No....2

E59. How confident are you that you would know if your turtle/tortoise was underweight or overweight?
Please select one option only

Extremely confident.....	1
Somewhat confident.....	2
Moderately confident.....	3
Not very confident.....	4
Not confident at all	5

E60. How would you describe your turtle/tortoise's body condition?
Please select one option only

Extremely underweight.....	1
Somewhat underweight.....	2
Neither underweight nor overweight.....	3
Somewhat overweight.....	4
Extremely overweight.....	5
Don't know.....	6

E61. If this turtle/tortoise developed symptoms of a potential health problem, when do you think you would first notice them?
Please select one option only

The same day the symptoms started.....	1
The day after the symptoms started.....	2
2 to 6 days after the symptoms started.....	3
One week after the symptoms started	4
More than one week after the symptoms started ..	5
I probably would not notice.....	6
Don't know.....	7

E62. What do you look for when examining your turtle/tortoise for potential health problems?
ROTATE 1-12
Please select all that apply

Posture and attitude	1
Activity level	2
Response to stimuli (including handling).....	3
Withdrawal reflex.....	4
Ability to 'right' itself.....	5
Assessment of its body condition.....	6
Assessment of its state of hydration.....	7
Appetite and dietary history.....	8
Observing faecal matter for any abnormalities.....	9
Skin discolourations.....	10
Haemorrhages/skin ulcerations.....	11
Unusual behaviour.....	12
Other (<i>please write</i>).....	13
I do not examine my turtle/tortoise for health problems..	14

E63. If your turtle/tortoise developed symptoms of potential health problems, how long would you wait before consulting a veterinarian?
Please select all that apply

I would consult a veterinarian immediately.....	1
A few hours.....	2
One day.....	3
2 to 3 days.....	4
3-6 days.....	5
One week.....	6
More than one week.....	7
I would not consult a veterinarian.....	8