

<b>Date</b>		<b>Species</b>	
<b>Names of Assessors (at least two assessors)</b>		<b>Specimen/Individual</b>	
<b>Park</b>		<b>Exhibit</b>	

No.	Domain	Factor	Parameters	0	1	2	3	4	5
1	Nutrition	Diet	1. How appropriate is the diet (nutritional value and quantity) for each individual with regard to life stage, sex, health, social conditions and breeding season? 2. Is there variety in food items within the diet?	Not Applicable	Diet is inappropriate and shows health issues related to malnutrition	Diet is inappropriate but sustains individuals	1. Diet is appropriate and maintains health of each individual 2. There is no variety in food items within the diet	1. Diet is appropriate and maintains health of each individual 2. There is variety in food items within the diet	1. Diet is appropriate and maintains health of each individual 2. Each individual is given choices within the variety of food items in the diet

2		Food preparation	1. How hygienic is the food preparation? 2. How fresh is the food when given to each individual?	Not Applicable	1. Food preparation is unhygienic 2. Food is rotten or rancid by the time it is given to each individual (re-frozen food will automatically result in a score of "1")	1. Food preparation is unhygienic 2. Food is given to each individual more than four hours after being received at the section	1. Food preparation is hygienic 2. Food is given to each individual within four hours of being received at the section	1. Food preparation is hygienic 2. Food is given to each individual within an hour of being received at the section	1. Food preparation is hygienic 2. Food is given to each individual immediately after being received at the section
3		Drinking Source	1. How accessible is drinking water to each individual? 2. How clean is the drinking water? 3. How fresh is the drinking water?	Not Applicable	Drinking water is not accessible to individuals	1. Drinking water is accessible to individuals at limited times 2. Drinking water is dirty 3. Drinking water is not changed daily	1. Drinking water is accessible to each individual at most times 2. Drinking water is clean 3. Drinking water is changed daily	1. Drinking water is accessible to each individual at all times 2. Drinking water is clean 3. Drinking water is changed more than once a day	1. Drinking water is accessible to each individual at all times 2. Drinking water is clean 3. Drinking water is constantly running
4	Environment	Cleanliness	How clean is the living space of each individual?	Not Applicable	The state of the living space poses a hazard to individuals	The state of the living space is inadequate for individuals	The state of the living space is adequate for each individual	The state of the living space is good for each individual	The state of the living space is excellent for each individual

5		Functional space	<p>How much usable space is accessible to each individual?</p> <p>Note: Hot wires, lack of shaded areas, overplanting, etc. reduce usable space for animals even if exhibit appears large.</p>	Not Applicable	There is no space in the exhibit or den for individuals to express any desired behaviours	There is minimal space in the exhibit and den for individuals to express a few desired behaviours	There is enough space in the exhibit and den for each individual to express some desired behaviours	There is ample space in the exhibit and den for the each individual to express most desired behaviours	There is endless space in the exhibit and den for each individual to express all desired behaviours
6		Refuge	<p>1. How appropriate is the type of refuge provided for each individual?</p> <p>2. How appropriate is the location of refuge provided for each individual?</p> <p>3. How much refuge is accessible for</p>	Not Applicable	Refuge is not provided for individuals	<p>1. Type of refuge provided is inappropriate</p> <p>2. Location of refuge provided is inappropriate</p> <p>3. Amount of refuge provided is inappropriate for individuals</p>	<p>1. Type of refuge provided is appropriate for each individual</p> <p>2. Location of refuge provided is appropriate for each individual</p> <p>3. Amount of refuge provided is appropriate and accessible to each individual at most times</p>	<p>1. Type of refuge provided is appropriate for each individual</p> <p>2. Location of refuge provided is appropriate for each individual</p> <p>3. Amount of refuge provided is appropriate and accessible to</p>	<p>1. Multiple types of appropriate refuge are provided for each individual</p> <p>2. Refuge is provided for each individual at various appropriate locations</p> <p>3. Amount of refuge provided is appropriate and accessible to each</p>

			each individual?					each individual at all times	individual at all times
7	Enclosure design (fixed)	1. Is the enclosure design safe for each individual? 2. Does the enclosure design allow each individual to express desired behaviours?	Not Applicable	Enclosure design poses a hazard to individuals	1. Enclosure design is safe for each individual 2. Enclosure design does not allow individuals to express desired behaviours	1. Enclosure design is safe for each individual 2. Enclosure design allows each individual to express some desired behaviours	1. Enclosure design is safe for each individual 2. Enclosure design allows each individual to express most desired behaviours	1. Enclosure design is safe for each individual 2. Enclosure design allows each individual to express all desired behaviours	
8	Enclosure furnishing (changeable)	1. Is the enclosure furnishing safe for each individual? 2. Does the enclosure furnishing allow each	Not Applicable	Enclosure furnishing poses a hazard	1. Enclosure furnishing is safe for each individual 2. Enclosure furnishing does not allow individuals to express	1. Enclosure furnishing is safe for each individual 2. Enclosure furnishing allows each individual to express some	1. Enclosure furnishing is safe for each individual 2. Enclosure furnishing allows each individual to express most	1. Enclosure furnishing is safe for each individual 2. Enclosure furnishing allows each individual to express all	

		individual to express desired behaviours?			desired behaviours	desired behaviours	desired behaviours	desired behaviours
9	Substrate	1. Is type of substrate appropriate for each individual? 2. Is volume of substrate enough for each individual? 3. Is there a variety of substrate available to each individual?	Not Applicable	The only substrate provided is inappropriate for individuals	1. Type of substrate is appropriate for each individual 2. Volume of substrate is not enough for each individual 3. There is no variety of substrate available for individuals	1. Type of substrate is appropriate for each individual 2. Volume of substrate is enough for each individual 3. There is no variety of substrate available for individuals	1. Types of substrate are appropriate for each individual 2. Volume of substrate is enough for each individual 3. Variety of substrate available allows each individual to express some desired behaviours	1. Types of substrate are appropriate for each individual 2. Volume of substrate is enough for each individual 3. Variety of substrate available allows each individual to express all desired behaviours

10		Water (non-drinking)	<ol style="list-style-type: none"> <li>1. Is water quality appropriate for each individual?</li> <li>2. Is volume of water enough for each individual?</li> <li>3. Is there a variety of water bodies available to each individual?</li> </ol>	Not Applicable	No water body is provided	<ol style="list-style-type: none"> <li>1. Water quality is inappropriate for individuals</li> <li>2. Volume of water is not enough for individuals</li> <li>3. There is no variety of water bodies available for individuals</li> </ol>	<ol style="list-style-type: none"> <li>1. Water quality is appropriate for each individual</li> <li>2. Volume of water is enough for each individual</li> <li>3. There is no variety of water bodies available for individuals</li> </ol>	<ol style="list-style-type: none"> <li>1. Water quality is appropriate for each individual</li> <li>2. Volume of water is enough for each individual</li> <li>3. Variety of water bodies available allows each individual to express some desired behaviours</li> </ol>	<ol style="list-style-type: none"> <li>1. Water quality is appropriate for each individual</li> <li>2. Volume of water is enough for each individual</li> <li>3. Variety of water bodies available allows each individual to express all desired behaviours</li> </ol>
11		Air quality	<ol style="list-style-type: none"> <li>1. How exposed is each individual to air pollutants (e.g. fumes, smoke)?</li> <li>2. Is there sufficient ventilation?</li> </ol>	Not Applicable	Individuals are directly exposed to sources of air pollutants.	<ol style="list-style-type: none"> <li>1. Individuals are less than 5m away from sources of air pollutants.</li> <li>2. There is minimal air flow in the exhibit or den.</li> </ol>	<ol style="list-style-type: none"> <li>1. Each individual is at least 5m away from sources of air pollutants.</li> <li>2. There is some air flow in the exhibit and den.</li> </ol>	<ol style="list-style-type: none"> <li>1. Each individual is at least 10m away from sources of air pollutants.</li> <li>2. There is good air flow in the exhibit and den.</li> </ol>	<ol style="list-style-type: none"> <li>1. Each individual is not exposed to air pollutants at all.</li> <li>2. There is excellent air flow in the exhibit and den.</li> </ol>

12	Humidity	1. How appropriate is the level of humidity for each individual? 2. Is each individual given access to a humidity gradient?	Not Applicable	The level of humidity is inappropriate, causing harm to individuals	1. The level of humidity does not cause harm to individuals 2. Individuals do not have access to a humidity gradient	1. The level of humidity is appropriate for each individual 2. Individuals do not have access to a humidity gradient	1. The level of humidity is appropriate for each individual 2. Each individual has access to a humidity gradient	There is a system in place that simulates humidity levels and gradients matching that in the wild for each individual
13	Temperature	1. How appropriate is the temperature for each individual? 2. Is each individual given access to a temperature gradient? 3. Are there thermal oscillations?	Not Applicable	The temperature is inappropriate, causing harm to individuals	1. The temperature does not cause harm to individuals 2. Individuals do not have access to a temperature gradient 3. There are no thermal oscillations	1. The temperature is appropriate for each individual 2. Each individual has access to a temperature gradient 3. There are no thermal oscillations	1. The temperature is appropriate for each individual 2. Each individual has access to a temperature gradient 3. There are thermal oscillations	There is a system in place that simulates temperatures, gradients and oscillations matching that in the wild for each individual

14		Light	<ol style="list-style-type: none"> <li>How appropriate is the light intensity and spectrum for each individual?</li> <li>How appropriate is the light cycle for each individual?</li> <li>Is each individual given access to a variety of lighting conditions?</li> </ol>	Not Applicable	The light intensity and spectrum are inappropriate, causing harm to individuals	<ol style="list-style-type: none"> <li>The light intensity and spectrum do not cause harm to individuals</li> <li>The light cycle is inappropriate for individuals</li> <li>Individuals do not have access to a variety of lighting conditions</li> </ol>	<ol style="list-style-type: none"> <li>The light intensity and spectrum are somewhat appropriate for each individual</li> <li>The light cycle is somewhat appropriate for each individual</li> <li>Each individual has access to two or more lighting conditions</li> </ol>	<ol style="list-style-type: none"> <li>The light intensity and spectrum are mostly appropriate for each individual</li> <li>The light cycle is mostly appropriate for each individual</li> <li>Each individual has access to two or more lighting conditions</li> </ol>	There is a system in place that simulates light intensities, spectrums and cycles matching that in the wild for each individual
15		Environmental stressors	<ol style="list-style-type: none"> <li>Are individuals exposed to inappropriate noise levels?</li> <li>Are individuals exposed to light stressors (e.g. camera flashes, torchlight)?</li> </ol>	Not Applicable	<ol style="list-style-type: none"> <li>Individuals are constantly exposed to inappropriate noise levels</li> <li>Individuals are constantly exposed to light stressors</li> </ol>	<ol style="list-style-type: none"> <li>Individuals are often exposed to inappropriate noise levels</li> <li>Individuals are often exposed to light stressors</li> </ol>	<ol style="list-style-type: none"> <li>Individuals are sometimes exposed to inappropriate noise levels</li> <li>Individuals are sometimes exposed to light stressors</li> </ol>	<ol style="list-style-type: none"> <li>Individuals are minimally exposed to inappropriate noise levels</li> <li>Individuals are minimally exposed to light stressors</li> </ol>	<ol style="list-style-type: none"> <li>Individuals are not exposed to inappropriate noise levels at all</li> <li>Individuals are not exposed to light stressors at all</li> </ol>

16	Health	Animal Monitoring	1. Can each individual be seen? 2. Can each individual be monitored?	Not Applicable	Individuals cannot be seen for more than two days at a time	1. Individuals can be seen every other day 2. Individuals cannot be monitored	1. Each individual can be seen within the day 2. Each individual be monitored in a limited manner	1. Each individual can be seen multiple times a day 2. Each individual be monitored at fixed times	Each individual can be monitored thoroughly at any given time in the day
17		Biosecurity Measures	1. Are there adequate biosecurity measures in place? 2. Are the biosecurity measures effective?	Not Applicable	There are no biosecurity measures in place at all	1. Biosecurity measures are inadequate 2. Biosecurity measures are ineffective	1. Biosecurity measures are adequate 2. Biosecurity measures are somewhat effective	1. Biosecurity measures are adequate 2. Biosecurity measures are effective	Biosecurity measures prevent any chance of pathogen transmission
18		Pest Management	1. Are there adequate pest management measures in place? 2. Are the pest management measures effective?	Not Applicable	There are no pest management measures in place at all	1. Pest management measures are inadequate 2. Pest management measures are ineffective	1. Pest management measures are adequate 2. Pest management measures are somewhat effective	1. Pest management measures are adequate 2. Pest management measures are effective	Pest management measures prevent the occurrence of any pests
19		Body Condition: Body Score	What is the body score of each individual?	Not Applicable	On a scale of 1 to 5, body score is 1 or 5: harmful for the age and sex of the	On a scale of 1 to 5, body score is 1.5 or 4.5: poor for the age and sex of the	On a scale of 1 to 5, body score is 2 or 4: average for the age and sex of	On a scale of 1 to 5, body score is 2.5 or 3.5: good for the age and sex of	On a scale of 1 to 5, body score is 3: excellent for the age and sex of the

				individual, and the season	individual, and the season	the individual, and the season	the individual, and the season	individual, and the season
20	Body Condition: Body covering	1. Do individuals have sores and/or bare patches? 2. How healthy is the body covering of each individual?	Not Applicable	1. There are sores and/or bare patches large areas 2. Unhealthy looking body covering	1. There are sores and/or bare patches in some areas 2. Unhealthy looking body covering	1. There are no sores and/or bare patches 2. Average looking body covering	1. There are no sores and/or bare patches 2. Healthy looking body covering	1. There are no sores and/or bare patches 2. Condition of body covering is excellent
21	Body Condition: Teeth / Beak / Nails / Claws / Fins / Tusks / Horns / Antlers	Does condition of teeth / beak / nails / claws / fins / tusks / horns / antlers affect normal behaviours?	Not Applicable	Condition of teeth / beak / nails / claws / fins / tusks / horns / antlers severely impedes normal behaviours	Condition of teeth / beak / nails / claws / fins / tusks / horns / antlers impedes normal behaviours	Condition of teeth / beak / nails / claws / fins / tusks / horns / antlers does not impede normal behaviours	Condition of teeth / beak / nails / claws / fins / tusks / horns / antlers is good	Condition of teeth / beak / nails / claws / fins / tusks / horns / antlers is excellent

22		Weight Monitoring	<ol style="list-style-type: none"> <li>1. Is each individual weighed regularly?</li> <li>2. Is frequency of weight-taking appropriate for each individual?</li> <li>3. Are weight records for each individual monitored?</li> </ol>	Not Applicable	Individuals are not weighed (lack of record keeping will automatically result in a score of "1")	<ol style="list-style-type: none"> <li>1. Individuals are not weighed regularly</li> <li>2. Frequency of weight-taking is inappropriate for individuals</li> <li>3. Weight records are not monitored</li> </ol>	<ol style="list-style-type: none"> <li>1. Each individual is weighed regularly</li> <li>2. Frequency of weight-taking is somewhat appropriate for each individual</li> <li>3. Weight records are sometimes monitored</li> </ol>	<ol style="list-style-type: none"> <li>1. Each individual is weighed regularly</li> <li>2. Frequency of weight-taking is mostly appropriate for each individual</li> <li>3. Weight records are monitored</li> </ol>	<ol style="list-style-type: none"> <li>1. Each individual is weighed regularly</li> <li>2. Frequency of weight-taking is fully appropriate for each individual</li> <li>3. Weight records are actively monitored and follow-up actions are taken immediately if required</li> </ol>
23		Health Checks	<ol style="list-style-type: none"> <li>1. How regularly are health checks done for each individual?</li> <li>2. How adequate are the health checks for each individual?</li> </ol>	Not Applicable	Individuals do not undergo health checks even when required	Individuals undergo inadequate health checks even when required	Each individual undergoes adequate health checks when required	<ol style="list-style-type: none"> <li>1. Each individual undergoes yearly health checks</li> <li>2. Health checks are basic</li> </ol>	<ol style="list-style-type: none"> <li>1. Each individual undergoes yearly health checks</li> <li>2. Health checks are comprehensive</li> </ol>

24		Preventive medical programs	Do preventive medical programs (vaccinations, parasite checks and deworming, contraceptives, etc.) correspond to the needs of each individual with regard to life stage, sex, health, social dynamics and breeding season?	Not Applicable	There are no preventive medical programs implemented for individuals, potentially causing harm	There is a basic preventive medical program implemented incorrectly, that does not correspond to the needs of each individual	There is a basic preventive medical program implemented correctly, but does not correspond to the needs of each individual	There is a basic preventive medical program implemented correctly, that corresponds to the needs of each individual	There is a comprehensive preventive medical program implemented correctly, that corresponds to the needs of each individual
25	Behaviour	Management of animal behaviour	Do animal management routines (husbandry, vet procedures, guest experience, etc.) correspond to the needs of each individual with regard to life stage, sex, health, social	Not Applicable	Animal management routines do not correspond to the needs of each individual, causing severe distress	Animal management routines do not correspond to the needs of each individual, causing some distress	Animal management routines do not correspond to the needs of each individual, but do not cause distress	Animal management routines mostly correspond to the needs of each individual, enabling the expression of some natural behaviours	Animal management routines fully correspond to the needs of each individual, enabling the expression of a full range of natural behaviours

		dynamics and breeding season?						
26	Social Setting	Is each individual housed in social settings that correspond to its needs with regard to life stage, sex, health, social dynamics and breeding season? E.g. solitary or social, ratio of males to females, hierachy	Not Applicable	Social settings do not correspond to the needs of each individual, causing severe distress	Social settings do not correspond to the needs of each individual, causing some distress	Social settings do not correspond to the needs of each individual, but do not cause distress	Social settings mostly correspond to the needs of each individual, enabling the expression of some natural behaviours	Social settings fully correspond to the needs of each individual, enabling the expression of a full range of natural behaviours
27	Animal Handling and Movement	1. Is each individual given a choice to engage in required activities? 2. Does routine handling and movement cause distress to individuals?	Not Applicable	1. Individuals are not given a choice to engage in required activities 2. Routine handling and movement cause severe distress to individuals	1. Individuals are not given a choice to engage in required activities 2. Routine handling and movement cause some distress to individuals	1. Individuals are not given a choice to engage in required activities 2. Routine handling and movement cause minimal distress to individuals	1. Each individual is given a choice to engage in required activities 2. Routine handling and movement cause no distress to	1. There are no required activities and each individual is given the freedom to engage in any activity it desires 2. Routine handling and movement is a

			Note: The aim is to facilitate voluntary routine handling and movement.				each individual	positive experience for each individual
28	Conditioning and Training	<p>1. Do conditioning and training programmes cause distress to individuals?</p> <p>2. How regularly are conditioning and training programs implemented for each individual?</p> <p>3. How effective are the conditioning and training programs for each individual?</p> <p>Note: The aim is to facilitate voluntary</p>	Not Applicable	Conditioning and training are absent or causes distress to individuals (lack of record keeping will automatically result in a score of "1")	<p>1. Conditioning and training does not cause distress to individuals</p> <p>2. Conditioning and training are implemented irregularly for individuals</p> <p>3. Conditioning and training are ineffective for individuals</p>	<p>1. Conditioning and training uses positive reinforcement for each individual</p> <p>2. Conditioning and training are implemented regularly for each individual</p> <p>3. Conditioning and training are somewhat effective for each individual</p>	<p>1. Conditioning and training is a positive experience for each individual</p> <p>2. Conditioning and training are implemented regularly for each individual</p> <p>3. Conditioning and training are mostly effective for each individual</p>	<p>1. Conditioning and training is a positive experience for each individual</p> <p>2. Conditioning and training is implemented regularly for each individual</p> <p>3. Conditioning and training are highly effective, enabling each individual to carry out all routine procedures voluntarily</p>

			transfers, guest interactions, routine physical checks, vet treatments and procedures, etc.						
29	Enrichment	1. How appropriate is the frequency of enrichment activities implemented for each individual? 2. How effective are the enrichment activities?	Not Applicable	There is no enrichment implemented (lack of record keeping will automatically result in a score of "1")	1. Frequency of enrichment activities is inappropriate for individuals 2. Enrichment is ineffective for individuals	1. Frequency of enrichment activities is somewhat appropriate for each individual 2. Enrichment is somewhat effective	1. Frequency of enrichment activities is appropriate for each individual 2. Enrichment is mostly effective	1. Frequency of enrichment activities is appropriate for each individual 2. Enrichment is highly effective, resulting in each individual carrying out a desirable range of natural behaviours with no occurrence of abnormal behaviours	

30		Food presentation	<ol style="list-style-type: none"> <li>1. How hygienic is the food presentation?</li> <li>2. Does food presentation correspond to the needs of each individual with regard to life stage, sex, health, social dynamics and breeding season?</li> <li>3. Does food presentation encourage appropriate foraging behaviour in each individual?</li> </ol>	Not Applicable	Food presentation is unhygienic, causing harm to individuals	<ol style="list-style-type: none"> <li>1. Food presentation is hygienic</li> <li>2. Food presentation does not correspond to the needs of each individual</li> <li>3. Food presentation does not enable appropriate foraging behaviour in each individual</li> </ol>	<ol style="list-style-type: none"> <li>1. Food presentation is hygienic</li> <li>2. Food presentation somewhat corresponds to the needs of each individual</li> <li>3. Food presentation enables appropriate foraging behaviours in each individual</li> </ol>	<ol style="list-style-type: none"> <li>1. Food presentation is hygienic</li> <li>2. Food presentation mostly corresponds to the needs of each individual</li> <li>3. Food presentation encourages appropriate foraging behaviours in each individual</li> </ol>	<ol style="list-style-type: none"> <li>1. Food presentation is hygienic</li> <li>2. Food presentation fully corresponds to the needs of each individual</li> <li>3. Food presentation results in a wide range of foraging behaviours displayed by each individual</li> </ol>
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