



Animal Welfare Annual Assessment Long Form

Date: Assessor: Dept: Choose an item.

Species common name: Scientific name:

Enclosure: Longevity at Niabi Zoo:

Is there an AZA or ZAA animal program and/or care manual published for this species?

	Animal Name	Accession #	Age	Sex	Developmental Stage	Rearing
1					Choose an item.	Parent reared
2					Choose an item.	Choose an item.
3					Choose an item.	Choose an item.
4					Choose an item.	Choose an item.

	Area Keepers	Number of Days in Area/Week	Number of Years as a Keeper
1			
2			
3			
4			

➤ Relative humidity in nature: Comments:
 ➤ Temperature range in nature: Comments:
 ➤ Typical photo period in nature:
 ➤ Access to UV light in nature:
 ➤ Lifespan in the wild: Lifespan in zoos:
 ➤ Weight range in the wild: Males: Females:

Environmental Factors of Animal Welfare

Attention warranted

☐ 1. Relative **Humidity**

Humidity level in enclosure % (see weatherunderground.com)

Are there any signs that the humidity level might have a negative effect on animal welfare?

☐ Yes ☐ No ☐ N/A

If yes, please describe: **Humidity ranges inside depend on when the keeper is spraying. Humidity inside averages around 50-60%.**

☐ 2. **Temperature range** in inside enclosure: Time frame:

Temperature range in outside enclosure: Time frame:

Is there anything to suggest that temperature negatively affects animal welfare?

☐ Yes ☐ No

If yes, please describe:



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- ☐ 3. Does the enclosure **drain** so that the animals is not in an unnatural condition and that the enclosure does not pose a health threat?

☐ Yes ☐ No ☐ N/A

If no, please include suggested solutions:

- ☐ 4. Are there any **water quality** factors that may be affecting animal health or welfare (e.g. temperature, DO, ammonia, nitrate, nitrite, salinity, pH, chlorine, bacteria/coliforms)?

☐ Yes ☐ No ☐ N/A

If yes, please describe:

Attention
warranted

- ☐ 5. Does the animal have access to light periods and wavelength similar to that of the wild habitat?

Spectrum/UV: ☐ Yes ☐ No

If no, please describe:

Photo period: ☐ Yes ☐ No

If no, please describe:

- ☐ 6. Is the animal subjected to excessive **noise** (e.g. crowds, construction, traffic, concerts, etc.)?

☐ Yes ☐ No

If yes:

How often does the noise occur?

Typical duration of the noise:

Decibel reading at the height of the noise:

Does the animal appear to react to the noise? ☐ Yes ☐ No

- ☐ 7. Does the animal **interact** with:

Staff: ☐ Yes ☐ No ☐ N/A

Visitors: ☐ Yes ☐ No ☐ N/A

If yes, does the interaction appear to be ☐ Positive ☐ Tolerable ☐ Detrimental for the animal?

Comments:

- ☐ 8. Does the exhibit offer **shelter** from the elements?

☐ Yes ☐ No ☐ N/A

Does the animal utilize shelters within the enclosure?

☐ Yes ☐ No ☐ N/A

Is there enough shelter for all animal residents without encouraging aggression?

☐ Yes ☐ No ☐ N/A

Is the exhibit substrate appropriate and safe (e.g. not too slippery or rough, soft)?

☐ Yes ☐ No ☐ N/A

Comments:



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- ☐ 9. Is the **enclosure** of size and complexity to offer allow animals to perform species-natural behaviors and offer choices with how and where to spend their time?

☐ Yes ☐ No

Is the enclosure cleaned regularly to remove urine and feces?

☐ Yes ☐ No ☐ N/A

Is the enclosure large enough and contain visual barriers to allow the animals the ability to comfortably retreat from zoo visitors and staff?

☐ Yes ☐ No ☐ N/A

Comments:

Physical Factors of Animal Welfare

Attention
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- ☐ 1. Current **weight**: 1. 2. 3. 4. Choose an item: ☒ Exact or ☐ Estimated?

Date of last weight measure: 1. 2. 3. 4.

Has the animal's weight fluctuated by more than 5% within the past month (or since the last known weight measurement)?

☐ Yes ☐ No ☐ Unknown

Is the animal's weight within a normal range for the species?

☐ Yes ☐ No ☐ N/A

Please attach the animal's weight trend graph from ZIMS ☐

- ☐ 2. Is there an established **body condition** scale for this species?

☐ Yes ☐ No

Body condition

Animal 1: Choose an item.

Animal 2: Choose an item.

Animal 3: Choose an item.

Animal 4: Choose an item.

Comments:

- ☐ 3. Is **stool** quality normal?

☐ Yes ☐ No ☐ Unknown

If abnormal, please describe (e.g. consistency, quantity, foreign material, frequency):

- ☐ 4. Is there an established **coat/scale/feather** condition scale for this species?

☐ Yes ☐ No

Is the animal's Coat/Scales/Feathers in good condition?

☐ Yes ☐ No

If no, please cite the suspected cause: Other

Comments:



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- ☐ 5. Are the animal's **nail/hoof/beak** in good condition?
☐ Yes ☐ No ☐ N/A

If no, please cite the suspected cause: Choose an item.

Comments:

- ☐ 6. Are the animal's **teeth/tusks** in good condition?
☐ Yes ☐ No ☐ N/A

If no, please cite the suspected cause: Choose an item.

Comments:

SAMPLE



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warranted

- ☐ 7. What is the animal's current **diet**?

Does the animal regularly consume its normal diet?

☐ Yes ☐ No

Does the diet allow for enrichment foods to be offered?

☐ Yes ☐ No

Does the diet include bones and carcass foods?

☐ Yes ☐ No ☐ N/A

If yes, then how often?

Comments:

- ☐ 8. Is the animal's **growth**:

☐ Delayed

☐ Below average for species/age

☐ Average for Species/Age (or full grown)

☐ Above average for species/age

☐ Accelerated

If delayed or accelerated, does this affect the health of the animal?

☐ Yes ☐ No

Comments:

- ☐ 9. What is the animal's **reproductive state**?

Animal 1: Choose an item.

Animal 2: Choose an item.

Animal 3: Choose an item.

Animal 4: Choose an item.

If reproductive, does the animal rear its young naturally and appropriately?

☐ Yes ☐ No ☐ N/A

Comments:

- ☐ 10. Is the animal in good **physical health**?

☒ Yes ☐ No

Date of last physical exam: 1. 2. 3. 4.

Comments (please describe any medical findings and treatments):

- ☐ 11. Does the animal have any of the following **physical ailments** (check all that apply)? If yes, please Describe.

☐ Terminal illness/injury

☐ Curable short-term illness/injury



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- ☐ Chronic condition
- ☐ Significant detriment to daily/bodily function
- ☐ Acceptable parasite load

Behavioral and Psychological Factors of Animal Welfare

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- ☐ 1. Describe the animals' **activity** pattern: Diurnal
- 2. Has an **activity budget** been developed for this animal?
 - ☐ Yes ☐ No
 - If yes, for what period of time was the activity budget determined?
 - Was the activity level and behavioral diversity appropriate for the species?
 - ☐ Yes ☐ No
 - Were undesirable behaviors observed?
 - ☐ Yes ☐ No
 - If yes, then please describe:
- ☐ 3. Please describe the typical **social structure** for this species in the wild:
 - ☐ Solitary
 - ☐ Female dominated
 - ☐ Male dominated
 - ☐ All female group
 - ☐ Bachelor group
 - ☐ Other
- 4. Please describe the social group for this individual:
 - ☐ Solitary
 - ☐ Female dominated
 - ☐ Male dominated
 - ☐ All female group
 - ☐ Bachelor group
 - ☐ Mixed species
 - ☐ Other
- 5. Does the animal exhibit normal **social behaviors** for this species?
 - ☐ Yes ☐ No

If no, then please describe:
- 6. Please describe the animal's place within the group **social structure** or hierarchy:

Animal 1: Generally submits to conspecifics but might be dominant over some



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Animal 2: Choose an item.

Animal 3: Choose an item.

Animal 4: Choose an item.

Comments:

Attention
warranted

- ☐ 7. Is the density of animals appropriate for the housing space?

☐ Yes ☐ No

If no, are there physical or behavioral signs of overcrowding?

☐ Yes ☒ No

If yes, please describe:

Has aggression been noted?

☒ Yes ☐ No

If yes, please describe:

- ☐ 8. Does the animal exhibit signs of stress?

☐ Yes ☐ No

If yes, how much stress does the animal appear to be under?

Animal 1: Appropriate levels of stress with appropriate behavioral response

Animal 2: Choose an item.

Animal 3: Choose an item.

Animal 4: Choose an item.

Comments:

- ☐ 9. Does the animal perform any **undesirable behaviors** (check all that apply)?

☐ Stereotypy (☐ pace ☐ head roll ☐ rock/sway ☐ other)

☐ Hair/feather plucking

☐ Regurgitation and reingestion

☐ Coprophagy

☐ Nose rubbing/striking on enclosure wall

☐ Jumping out of the tank

☐ Listlessness/lethargy

☐ Color change

☐ Other:

If yes, does the behavior occur regularly (e.g. same time of day?)

☐ Yes ☐ No ☐ Don't know

How frequently does the behavior occur? Choose an item.



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Have behavioral data been collected to support this?

☐ Yes ☐ No

Comments:

- ☐ 10. Are there **aversive stimuli** in the enclosure that the animal tries to avoid?

☐ Yes ☐ No

If yes, does this appear to cause unacceptable levels of stress for the animal or stress that the animal is not able to cope with?

☐ Yes ☐ No

Please describe:

- ☐ 11. Does the animal perform species-typical and **appropriate behaviors** within the enclosure?

Locomotion:

☐ Yes ☐ No

Social interaction

☐ Yes ☐ No

Normal postural movements

☐ Yes ☐ No

Is the animal limited or prevented from performing any species-typical and appropriate behavior?

☐ Yes ☐ No ☐ Don't know

If yes, does this appear to be detrimental to the animal's well-being?

☐ Yes ☐ No

- ☐ 12. Does the animal obtain appropriate levels of **exercise**?

☐ Yes ☐ No

Comments:

- ☐ 13. Does the animal have appropriate **refugia** from enclosure mates, public and perceived danger?

☐ Yes ☐ No

- ☐ 14. Does the animal have the option to go off exhibit during the day?

☐ Yes ☒ No

- ☐ 15. Does the animal have the option of going on exhibit overnight?

☐ Yes ☒ No

- ☐ 16. Does the animal receive **enrichment** daily?

☐ Yes ☐ No

How many times throughout the 24-hour day is enrichment typically offered?

How many enrichment options is the animal typically offered when enrichment is provided?

Comments:



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- ☐ 17. Does the animal participate in an operant condition **training** program?

☐ Yes ☐ No

If yes, how often?

Does the animal readily participate in training when asked?

☐ Yes ☐ No

Does the animal show a higher comfort level with or preference to train with one keeper over another?

☐ Yes ☐ No

Comments:

- ☐ 18. How much time on average does the **keeper staff interact** with the animal per day?

Comments:

- ☐ 19. Is the animal **handled** by keepers, education staff or volunteers for programs?

☐ Yes ☐ No

If yes, then how often:

Is the animal taken out of the enclosure for programs?

☐ Yes ☐ No

If yes, does it have the option to choose to participate?

☐ Yes ☐ No

Who handles the animal? ☐ Keepers ☐ Volunteers ☐ Education staff

Does the animal show signs of discomfort during ☐ Loading ☐ Transport ☐ Program?

For any boxes checked, please describe the animal's behavior or posture and the handler's typical response:

Please list any additional comments related to the animal's wellbeing:

Items Requiring Attention			
Section	Item number	Concern	Action Taken/Date

Are there any medical/health concerns identified within this assessment? ☐ Yes ☐ No



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Additional Comments:

Reviewed by:

Area Keeper:

Date of Review: [Click here to enter a date.](#)

Assistant Director: [Click here to enter text.](#)

Date:

SAMPLE