



DAKOTA
ZOO

Quality of Life Monitoring (Modified HHHHMM Scale)

Species: _____ Name: _____ Local ID: _____

*****Please score the animal based upon a normal, healthy animal receiving all 10's, not based upon what has become "normal" for this particular animal.***

Date	Time	Pain	Resp.	Hunger	Hydration	Hygiene	Demeanor	Mobility	Senses	Social	Good vs. Bad	Total Score	Initials
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Each category has its own column with questions regarding the category. These are SOME criteria to evaluate the categories, but it is up to us as animal care staff to be familiar with our species and animals. If there is anything you can think of that would alter an animal's score for a category, please take that into consideration when scoring.

Scoring can be done by one or multiple people, ideally not the same person every time though. Team assessments provide variety in observation and critical discussion.

We will score each category with a 1-10 scale number. 10 is a perfect score, everything that you are seeing when evaluating depicts a perfectly healthy state for the species in question. 1 would indicate the animal being severely debilitated. For consistency we must all evaluate each animal comparing it to a healthy member of its own species, rather than to its medical state previously.

Score Criterion (1-10 Scale) **1-Severe, 5-Moderate, 10-Ideal**

Pain/Pain Management – Is the animal exhibiting any behavior that would indicate pain (lameness, lethargy, depression, inactivity, signs of discomfort, disorientation, teeth grinding, isolating itself, difficulty, or irregular breathing, etc)? Are there any current treatments and do they appear to make positive change? Is body posture normal?

Respiration – Are there any changes in breathing or panting patterns? Any wheezing or gurgling? Labored breathing?

Hunger – Is the animal eating enough to maintain an acceptable body condition? Does diet manipulation, different presentation, or hand feeding help? Does fecal and output appear appropriate?

Hydration – Does the animal exhibit signs of dehydration (sunken eyes, tenting skin, dry mucous membranes)? What are the animal's drinking habits and is it normal for the species? Does urination and output appear appropriate?

Hygiene – Is the animal (with caregiver assistance if feasible) able to keep itself clean and free of pressure sores? Does animal exhibit normal hygiene behaviors for the species? Does the coat condition look good? Any sores or hair loss? Is the coat/skin clean?

Demeanor – Is the animal maintaining a near normal behavior repertoire and time and activity budget? Have animal preferences and motivations changed? Does the animal engage in any behaviors beyond basic maintenance (in addition to eating/drinking/bathing/preening)? How often? How does this animal respond positively/normally to its keepers? Do they appear disoriented? Any possible mental side effects from medications that could be affecting them? Are they alert, depressed, excited, panicked, or relaxed?

Mobility – Is the animal alert and active; can it move around its enclosure normally and get to most/all locations within normal limits and without significant risk of injury to itself? How is posture and locomotion? Any impacts from past injuries?

Senses – How are the animal's senses? Can the animal still see, hear, touch, smell and thus respond to its environment and keepers with their senses? Has the decline of any senses caused modifications to care or cause limitations to daily husbandry goals? If a sense appears to be lacking, is the animal coping appropriately? Are there any senses particularly important for this species (i.e. eagles and vision, cats/horses and hearing, etc.)? If affected, how is the animal coping?

Social – Is the animal housed with appropriate social conditions? If the animal is alone is that a normal condition for this species in the wild? Can the animal get along with other animals socially, if appropriate for the species? Did the animal need to be removed from conspecifics for any reason, whether for behavior or