

Ontario Zoo Review Report #1

**The Killman Zoo (Caledonia)
Twin Valley Zoo (Brantford)
Lickety Split Ranch and Zoo (London)**

July 2006



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ZOOCHECK CANADA INC.

Zoocheck Canada Inc. is a national animal protection charity (#13150 2072 RR 0001) established in 1984 to promote and protect the interests and wellbeing of wild animals.

Zoocheck works to improve wildlife protection in Canada and to end the abuse, neglect and exploitation of individual wild animals through:

- investigation and research
- public education and awareness campaigns
- capacity building initiatives
- legal programs
- legislative actions.

INVESTIGATOR PROFILE

Else M. B. Poulsen

In 1978 Else Poulsen received her B.Sc. in Biology from Brock University and in 1995 her 4 year Diploma in Zookeeping from the City of Calgary Apprenticeship Programs.

Ms. Poulsen began her career in animal behavior in the early 1980s working as a field biologist in Alberta's energy industry. When the oil market took a downward spiral a few years later, she became a zookeeper at the Calgary Zoo.

As an entry level keeper Poulsen worked with a wide variety of animal species. She became particularly interested in large carnivore behavior and over time became a specialist in captive bear management and care.

Poulsen found it difficult to accept that the captive bears in her care displayed abnormal pacing behaviours, so she set out to better their lives. This led her to research captive bear problems, publish her findings and to advocate for change.

After 18 years at the Calgary Zoo she left to work at a major US zoo and then at a specialist bear facility in Ontario. Over the years, she has provided expert assistance and advice about modernizing bear husbandry methods, environmental enrichment programming and enclosure design issues to zoos, sanctuaries and animal welfare groups around the world.

Poulsen has more than 40 papers and articles to her name in scientific research and technical journals, textbooks and other publications. She consults as an animal behavior and captive environment trouble-shooter. She has also lectured on modern bear care and animal welfare issues to audiences as diverse as university students studying population genetics to First Nations Band Council members in northern Canada.

THE AUDIT PROCESS

The Zoo Exhibit Quick Audit Process (ZEQAP) assessment tool that was used to grade the conditions in each zoo exhibit investigated in this report was developed for the World Society for the Protection of Animals and their member societies worldwide by Rob Laidlaw.

The ZEQAP provides a relatively simple approach to auditing terrestrial mammal exhibits, because it is based almost entirely on specific, critical housing and husbandry points.

How the Audit Works

Each exhibit is assigned a starting score of 50 points based on a series of conditions that must be satisfied. An exhibit must retain 40 points to pass.

The ZEQAP presents the investigator with a series of factual statements. These statements are divided into 11 sections, each assigned a numerical score. For example, the section on Behaviour is allocated five points, while the section on Privacy is assigned two points.

Points are deducted from the starting score in each section if the statement is not true, as this represents an exhibit deficiency. For example, in the section on shelter, the investigator is presented with the statement, "Shelters are present in the exhibit." If no shelter is present, two points would be deducted from the five points assigned to this section.

The lowest possible score in each section is zero.

Critical Deficiencies Mean Automatic Failure

The presence of any of the following critical deficiencies results in an exhibit automatically failing the audit and receiving a score of zero.

1. Severely cramped conditions (or restraints) that prevent normal postural adjustments and movement in any direction of less than three body lengths (including tail).
2. 100% hard or wire substrates.
3. Barren exhibits lacking any useable features or furnishings.

Additional Observations

In addition to auditing specific exhibits, the investigator toured all accessible areas of each zoo. Conditions were documented through photographs, video and hand written notes, which were transcribed shortly after each zoo visit.

Note: A passing score does not mean an exhibit is optimal or needs no improvement. It simply means that at the time the audit was conducted, certain basic animal housing and care criteria were met. Captive environments, by their very nature, are deficient when compared to the environments that animals inhabit in the wild and can always be improved.

*Copies of both ZEQAP documents are available from the Canadian office of the World Society for the Protection of Animals.

1. THE KILLMAN ZOO

July 12, 2006

General Commentary

The Killman Zoo, located in Caledonia, Ontario, is owned by the Killman family. The zoo sprang out of their father's desire to paint pictures of wild animals which led him to acquire several exotic cats for use as models.

The zoo is a menagerie collection of animals held in "homemade" cages constructed primarily of wooden planks and chain-link fence or wire mesh. Most of the cages are relatively box-like in shape regardless of the species they contain. The primate cages are slightly taller to accommodate shelving for the monkeys to sit on at visitor eye level.

Many of the cages did not appear to be equipped with ground level skirts (fencing laid on the ground around the interior of the perimeter barrier) or buried fencing to prevent escapes by digging. The angled sections at the tops of the fences, meant to prevent animals from climbing out, were rather flimsy and were supported by wooden 2" x 4" planks. No electric hot wiring was observed in any of the cages.

The animals were generally lethargic and many of them appeared obese. Abnormal stereotypic behaviours were exhibited by a number of the animals.

The Killman Zoo does not appear to promote itself as a conservation organization, but seems more focused on human "enjoyment/entertainment." The primary vehicle for informing/educating casual visitors to the zoo seems to be signage, but much of it is weathered, dilapidated, illegible or irrelevant.

The facility does have satisfactory public stand-off barriers and signage (located throughout the zoo) that shows a hand missing several digits indicating that visitors could lose a finger if they try to reach into the animal cages.

Key problems at The Killman Zoo include:

1. Undersized, barren cages that provide substandard, sensory deprived environments for the animals they contain.
2. Under stimulated, obese animals.
3. Lack of sunshine. The majority of the cages are in a heavily forested area where the tree canopy filters out a good portion of direct, natural sunlight. The shady areas harboured large numbers of mosquitos.
4. Poor cleanliness. Excessive piles of manure inside the hoof stock yards seem to be shoved aside for later disposal resulting in a heavy fly infestation.
5. Unnecessary breeding of native, exotic and domesticated animal species.
6. Domesticated animals, such as rabbits and African pygmy goats, are allowed free run of the property. The goats beg for food from visitors by licking their fingers. There are no hand-wash stations for visitors to use as a safeguard against zoonoses (disease transfer from animals).
7. Inadequate food items. A sign requests freezer-burnt meat donations for the animals. This sign suggests either insufficient funding for the purchase of fresh, high quality food items and/or a belief that food quality is not a concern.
8. Unsafe conditions for human visitors and animals. Rusty, rotting cage materials and lack

of standard professional zoo safety measures throughout the zoo.

Exhibit Evaluations

Six exhibits were reviewed. All received failing grades.

Images

<http://www.zoocheck.com/programs/zoocheck/Report06/images.shtml>

African Serval

The serval cage contained two animals. One was actively pacing in a short, tight, repetitive pattern, while the other animal was lying down and remained stationary during my visit. Their cage was completely devoid of meaningful enrichment, live vegetation or species-specific furnishings and the animals appeared to be sensory deprived. FAIL.

American Black Bear

Gina the American black bear lives alone. She has been trained by Mark Killman to stand up on her hind legs to beg for peanuts. Public signage encourages visitors to say 'Up Gina' and then to reward her with peanuts. The volume of peanuts consumed by Gina each day does not appear to be monitored. There is no underground fencing and the upper fencing which does angle inwards is of relatively flimsy construction. No meaningful enrichment was observed. Gina paced in an intricate, complicated stereotypic pattern, presumably the result of frustration and boredom. FAIL.

Canada Lynx

The Canada lynx lives in an oblong cage that follows the visitor path. The male and female are separated and live alone. Each has a dilapidated wooden nest box for shelter. There is no meaningful enrichment, furniture or live vegetation in the cage. The cages, situated beneath a heavy tree canopy, are dim and damp. FAIL.

Cougar

The cougars appeared in poor shape and need additional lean body mass. Apparently, they were bred at the zoo. They were housed in small barren cages. All of the cages had an attached yard, but only one cat had access to it during my visit. Two of four cats could retreat further back into their cages to distance themselves from visitors and had done so. There was no meaningful enrichment programming and these animals were sensory deprived. Safety is an issue. The fencing was patched and appeared unsafe. No buried fencing was observed, the angled upper portion of the fencing was poorly constructed and the metal wrapping around the trees in the exhibit, to prevent climbing, was poorly done. FAIL.

Domesticated Ferret

The domesticated ferret cage was given an instant failing grade due to its 100% mesh flooring. I was unable to determine whether or not these animals could move properly or what physical effect the mesh has had on their feet. The cage had no meaningful enrichment and provided no areas to dig, root or nest properly and was inappropriate for this species. A sign advertised ferrets

for sale to the public. FAIL.

Japanese Macaque

The Japanese macaques live in a relatively large, barren cage devoid of natural vegetation, furniture or meaningful enrichment. These animals are sensory deprived. Shelving for them to sit on had been provided, presumably so the public can see them at eye level. No other shelving or climbing apparatus was provided, rendering the rest of the available vertical space unusable. FAIL.

Conclusion

This facility is grossly deficient in all respects. Judging from the current state of this facility, the necessary funds to improve welfare conditions to even a semi-tolerable level for the animals are not available.

As well, in discussion with the owners of the zoo it was apparent that they are extremely resistant to making enrichment changes. The zoo's housing and management practices reveal only a rudimentary understanding of the needs and actual welfare status of the animals.

Local school groups visit this zoo in the spring. Children touch goats and rabbits that run freely on the property. Excessive numbers of flies, excrement piles and strong odours testify to the unsanitary conditions, yet there are no visitor hand-wash stations to safeguard against disease transfer.

The problems at The Killman Zoo are substantial and the quality of life experienced by the animals marginal, at best. This facility should be closed and the live collection dispersed to more appropriate accommodation elsewhere.

2. TWIN VALLEY ZOO

July 19, 2006

General Commentary

The Twin Valley Zoo just outside of Brantford is a small family owned facility. Some of the animals are housed in intelligently designed, species-appropriate exhibits, while others are held in poorly designed, substandard cages. This inconsistency is apparent throughout the zoo.

Hoof stock enclosures are generally large and well vegetated. The enclosures lack visitor stand-off barriers and feeding the animals, with peanuts and grain purchased from the zoo, is encouraged. Hoof stock were observed coming to the fence to be hand fed by visitors.

Zoo management seem to understand the need for hand wash stations after visitors contact the animals, since they have several such stations just outside of the petting zoo area. However, in other areas where the public is encouraged to feed (and inevitably contact) the animals, there are only antibacterial gel tubs to use. These gel tubs can be relatively ineffective against E coli. So visitors are able to wash their hands immediately after touching African pygmy goats, but not after touching other animals, such as the camel or deer.

Hoof stock commonly known to be dangerous under stressed conditions, such as zebras, are within petting reach of children because there is no stand-off barrier fencing.

Educational animal signage is consistently well done throughout the zoo.

The zoo offers interpretive presentations four times daily. The presentations observed involved handling of animals, such as a boa constrictor and monitor lizard. Both of these reptiles live in grossly undersized, poorly furnished exhibits in the barn. These types of barren enclosures may facilitate easy retrieval of the animals for presentations and/or lack of understanding of reptilian housing and care needs.

The four sub-adult domesticated rabbits appear to be available for handling by visitors all day without a break. These rabbits were living in a mesh bottom cage on which they could not properly walk. The rabbits seemed to be there purely for the amusement of the public and could not express any species-typical behaviours.

The American black bears were housed in an open paddock with a very low fence. The paddock was sparsely equipped and lacked sufficient complexity.

The big cat exhibits housed pairs of cougars, Bengal tigers, African lions and jaguars. All of the cats were held in relatively undersized exhibits equipped with small pools, resting platforms, shade and some lounging branches. The cats all appeared overweight and bored. They were locked out of their sleeping area (in attached service structures) for the day. There did not appear to be any meaningful enrichment programming in place for them.

No evidence of a comprehensive, facility-wide enrichment program was observed. While several primate cages did have a few toys, and possibly scatter feeding, judging by the rooting behavior of the monkeys, there was little else suggesting a proactive enrichment program.

Exhibit Evaluations

Six exhibits were reviewed. Three passed and three failed.

Images

<http://www.zoocheck.com/programs/zoocheck/Report06/images.shtml>

Black and White Ruffed Lemur

Two Black and White Ruffed Lemurs are housed in a mesh exhibit attached to a small building, presumably their winter quarters. The outside cage is well equipped with perching branches, soft substrate, shade and space. No enrichment programming was evident. PASS.

Canada Lynx

One Canada lynx is housed in a small mesh cage that has been generously outfitted with vertical branches for cat walks, one elevated shelter, one ground level shelter, a hiding log, shade areas and a soft substrate. No enrichment programming was evident. As this animal lives alone, enrichment could greatly benefit this cat. PASS.

Grey Wolf

Two grey wolves live in a moderately large, semi-natural exhibit featuring a hilly terrain, a

viewing mound in the center, shelters, shade, hiding logs and natural substrate to dig in. There was no sign of enrichment programming. I was unable to determine whether or not there was buried fencing to prevent escapes by digging. PASS.

American Black Bear

Two sub-adult American black bears are housed in a small 12.2m (40') x 15.2m (50') fenced exhibit. The fencing appeared to be about 1.5m (5') high and is 'fortified' with four strands of hot wire grounded in the NW end. It did not look safe. I observed road crews driving loud, heavy equipment on the adjoining highway. The bears were disturbed by this noise and were running circles in the exhibit. On four separate occasions one of the bears became so distressed by the noise that they stood up on their hind legs seemingly trying to decide whether or not to bolt over the fence. Each time they chose not to. Given the right circumstances, a bears escape is possible. FAIL.

Bobcat

One bobcat is housed in a seriously substandard 3m (10') x 1.2m (4'), overly-shaded, barren, dilapidated cage. This exhibit is part of a larger cage complex split into three holding areas. The center cage is empty, while the other end cage houses a coatimundi. The furniture and shelter in the bobcat cage is unusable and needs to be replaced. No enrichment programming was evident. FAIL.

Domesticated Rabbit

Four, sub-adult domesticated rabbits are held in a mesh cage with wire flooring. The cage is barren, except for two small running boards on the floor, presumably for the rabbits to walk on. The nest box was accessible to visitors and children are encouraged to take out the rabbits and handle them. The same four rabbits appeared to be available for handling all day. They had little opportunity to express natural rabbit behaviors. FAIL.

Conclusion

While the Twin Valley Zoo appears to be making an effort to impart a conservation message to their visitors, primarily through signage and verbally through presentations, that message may be lost or countered by their practice of handling animals, facilitating handling of animals (i.e., rabbits) by visitors and the display of some animals in less than ideal conditions.

In the short term, the cages with wire or mesh bottoms should be removed and replaced with natural substrate cages that are more comfortable to the animals and that provide a greater number of behavioural opportunities.

As well, animal feeding by visitors should be stopped immediately. If feeding is allowed, it should be restricted to domesticated species and carefully monitored and controlled.

Safety issues, such as visitor stand off barriers at the hoof stock paddocks and the unreasonably low fencing in the American black bear exhibit, should be addressed as soon as possible.

In the longer term, substandard caging should be removed and replaced and a facility-wide enrichment program developed and delivered to increase the quality of life experienced by the animals.

3. LICKETY SPLIT RANCH AND ZOO

July 31, 2006

General Commentary

The Lickety-Split Ranch and Zoo is a small menagerie set up beside the owner's residence at the south end of London, Ontario, within city boundaries. For the most part, it consists of a series of primarily rectangular, barren, steel mesh cages or enclosures, each housing one or two animals. Most lack appropriate amounts of space, stimulation and proper social environments.

I observed two animals that required immediate attention:

1. The male kangaroo (named Tyson) may need medical attention. I observed that when he stands or sits he has a slight, persistent upper body tremor, particularly evident around his head and jaw and he exhibited difficulty keeping his eyes completely open, as if he was falling asleep. He had feces on his upper back indicating that he had no choice but to roll in his own feces in order to groom in the dirt. Tyson also exhibited a persistent scratching behavior and his coat was patchy with obvious bald spots. I noticed minor contusions and lacerations that were at times covered with flies.
2. The single coatimundi was laying in an awkward atypical position with their body inside the nest box and the head hanging down out of the box. From the appearance of their coat, position and disposition the animal appeared to be heat stressed. The temperature at the time was approximately 33°C. The coatimundi did not respond to keys jingling or other attempts to get its attention. Throughout my entire visit this animal did not change its position or respond to any outside stimulus.

Other critical issues at Lickety Split include:

1. Undersized exhibits that do not allow for the expression of species-typical movements and behaviors.
2. Lack of structural enhancements, furnishings and other forms of environmental enrichment.
3. No pools or water areas for the animals, including waterfowl, to mitigate the effects of summer heat.
4. Extensive flooding of some exhibits (e.g., domesticated horse paddock).
5. Inappropriate, extremely low (approx. 2.4m) fencing in the Siberian tiger exhibit.

Exhibit Evaluations

Six exhibit evaluations were completed. All exhibits failed.

Images

<http://www.zoocheck.com/programs/zoocheck/Report06/images.shtml>

Kangaroo

The kangaroo exhibit has no redeeming qualities whatsoever. It is deficient in all respects. Not only is it much too small to allow for normal movement, it is also barren. This animal was observed with tremors and difficulty keeping its eyes open and may require medical attention. In

addition, kangaroos are social animals, so they should never be kept alone. FAIL.

Coatimundi

The coatimundi appeared to be suffering from heat stress, but had no way to obtain relief. The cage was too small and poorly equipped to allow for normal, species-typical movements and behaviours. There was no evidence of enrichment programming. Coatimundis are social animals and often travel in groups in the wild, but this animal was living alone. FAIL.

Raccoon

The raccoon cage is too small to allow the two raccoons to exhibit normal arboreal-type and ground behaviors. The overgrown canopy provided too much shade making it difficult for vegetation to grow inside the exhibit. Both raccoons appeared to be suffering in the heat as they were lying flat and motionless in the shade and exhibited short shallow breathing. FAIL.

Barbary macaque

The Barbary macaque is housed alone in a barren, square cage with a single nest box. Although he was alert and watching visitors, he appeared obese and lacking in appropriate muscle mass. The exhibit contained little to stimulate this animal physically or mentally. FAIL.

Siberian tiger

The Siberian tiger exhibit appeared unsafe and may be a threat to human safety. The fence appeared to be approximately 2.4m (8') high with a very thin gauge mesh that I imagine could be bitten through if one of the tigers was sufficiently motivated. The enclosure does not have a ceiling canopy. The three strands of hotwire on the lower half of the fencing are not sufficient for containment. If one of the tigers were motivated by stress, fear or the hunting instinct to escape, the hot wires could prove an ineffective barrier. FAIL.

Cougar

The cougar exhibit is too small to allow the two cougars to express normal cougar movements and behaviours. It is a barren, L-shaped, mesh cage with a single shelter and a platform. There is no sign of enrichment programming of any kind. FAIL.

Conclusion

This facility is deficient in all respects. It fails to provide appropriate, species-specific animal housing and may pose a risk to human health and safety. In an ideal situation, in order to improve the lives of the animals and to provide a safe environment for the surrounding community, all of the exhibits would be reconstructed with the biology and behaviour of the animals in mind. However, given the current state of the facility and the fact that it is privately owned, that seems unlikely. This zoo should be closed and the animals relocated elsewhere.

1. A. - THE KILLMAN ZOO

African Serval

CHARACTERISTIC	SCORE		COMMENTS
	POSSIBLE	ACTUAL	
APPEARANCE	5	4	Two servals observed.
UNHEALTHY, INJURY	-2		
REQUIRE GROOMING	-2		
FUR/FEATHER/SKIN CONDITION	-1		
BODY WT. INAPPROPRIATE	-1	-1	Both servals did not appear to have enough muscle mass, a possible indication that they are not getting enough exercise.
BEHAVIOR	5	3	
ABNORMAL BEHAVIOR	-2	-2	One serval exhibited a chronic pacing behaviour.
PERFORMANCES	-2		
S.S. GROUPING	-1		
WITHDRAWN	-1	-1	One serval appeared withdrawn and uninvolved with their surroundings.
PUBLIC FEEDING	-1		
SPACE	10	1	
ALLOWS NORMAL MOVEMENT	-4	-4	The cage is too small for these African savannah loving creatures who normally wander long distances in the wild.
FIGHT OR FLIGHT RESPONSE	-4	-4	The cage is barren and open with no place to hide, except the den box.
VERTICAL SPACE USE	-2	-1	
OVERCROWDED	-2		
BARRIER	3	0	
MAINTENANCE	-2	-2	Sign suggests the cage is 14 years old. It is constructed of 2 x 4 inch wooden planks and wire mesh. It appears poorly maintained.
SAFE FOR ANIMALS	-1	-1	No. Potential for injury in some places.
HOT WIRES, PRIMARY BARRIER	-1		
SUBSTRATE	5	1	
< 25% SOFT SUBSTRATE	-2	-2	The floor of the cage is hard packed dirt with no live vegetation or bedding.
ALLOWS FOR S.S. BEHAVIOR	-1	-1	These are savannah animals that need tall grasses to hide in during the day as they are primarily nocturnal.
FLAT, NO VARIATION	-1	-1	The cage floor is entirely flat and offers no variation. Servals are known for having water courses within their territories but this cage does not offer that.
SIGNIFICANT FLOODING	-1		

FEATURES & FURNITURE	5	0	
NO S.S. FURNITURE	-2	-2	While the cage is equipped with raised platforms, it is so minimalist that no points are awarded for its presence.
ENOUGH FOR GROUP	-2	-2	No meaningful enrichment program
DESIGN	-1	-1	Cage is entirely barren
LOCATION	-1	-1	This cage like all the others is utilitarian in nature and is not built with serval behavior in mind.
REPLACEMENT	-1	-1	
EASE OF REPLACEMENT	-1	-1	
SHELTER	5	1	
AVAILABLE	-2	-1	A small wooden den box is available for each cat. The den is old and in deplorable condition.
EFFECTIVENESS	-1	-1	These are African cats. The wooden den box is inappropriate as a winter residence.
SHELTER ACCESS	-1	-1	Entrance too wide for winter. Will not retain animals body heat.
ENOUGH FOR ALL	-1		
BEDDING/SOFT SUBSTRATE	-1	-1	No bedding observed.
PRIVACY	2	0	
PUBLIC VIEW/CAGE MATES	-2	-1	The cats can enter their wooden den box to get out of public view. Otherwise, the cage is barren with no place to obtain privacy.
ENOUGH FOR ALL	-1	dominance	
360° VIEWING	-1	-1	The cats can be seen from all sides.
ENVIRONMENT: OUTDOOR	5	2	
S.S. CLIMATE	-1	-1	Servals will not be able to comfortably withstand the Niagara region winter in this cage.
VARIED TOPOGRAPHY	-1	-1	There is no varied topography.
NOISE	-1	-1	There are no noise barriers and no areas to remove themselves from visitor noise.
GARBAGE/FECES	-1		
POTABLE WATER	-1		
ENVIRONMENT: INDOOR	5		
S.S. ENVIRONMENT	-2		
VARIED TOPOGRAPHY	-1		
NOISE	-1		
GARBAGE/FECES	-1		
POTABLE WATER	-1		
SAFETY	3	1	
BARRIER CAN CONTAIN IND.(S)	-2		
DEFECTS IN EXHIBIT	-1	-1	Small gaps are present in some areas where fence sections meet.

PUBLIC BARRIER	-1		
GATES/DOORS LOCKED	-1		
DOUBLE DOOR ENTRY	-1	-1	No double entryway into exhibit.
SHIFT AREAS	-1		
SIGNAGE	2	0	
1 OR > EXPLANATORY SIGN(S)	-2	-2	Signage only names the species of cat. No other information is given. Also prominent sign as to who hand constructed the cage.
PROMINENT LOCATION	-1		
ACCURATE INFO.	-1		
TOTAL SCORE	50	13	FAIL

AMERICAN BLACK BEAR

CHARACTERISTIC	SCORE		COMMENTS
	POSSIBLE	ACTUAL	
APPEARANCE	5	1	
UNHEALTHY, INJURY	-2	-1	Has an unhealthy appearance, overly dry mat coat, dull eyes
REQUIRE GROOMING	-2	-1	The bear needs grooming logs so he/she can get rid of the old orange fur mats in the coat
FUR/FEATHER/SKIN CONDITION	-1	-1	Coat is matted and has no sheen.
BODY WT. INAPPROPRIATE	-1	-1	Does not have enough lean body mass on which to place body fat, therefore this is a 'pear bear' which means, when the bear stands up the fat rolls down to the waist. This is the sign of bear that gets too little exercise and too many unhealthy calories in the diet.
BEHAVIOR	5	0	This animal appears stressed.
ABNORMAL BEHAVIOR	-2	-2	Pacing in an intricate, persistent pattern.
PERFORMANCES	-2	-2	A sign encourages visitors to command the bear to stand for peanuts. Encourages and reinforces begging.
S.S. GROUPING	-1	-1	There is only one bear. In captivity bears do better psychologically in pairs.
WITHDRAWN	-1	-1	The cage is barren, so there is nothing to do. Bear was withdrawn into his/her own pacing pattern.
PUBLIC FEEDING	-1	-1	The owners encourage the public to buy peanuts to feed to the bear.
SPACE	10	5	
ALLOWS NORMAL MOVEMENT	-4	-2	
FIGHT OR FLIGHT RESPONSE	-4	-2	
VERTICAL SPACE USE	-2	-1	
OVERCROWDED	-2		
BARRIER	3	0	

MAINTENANCE	-2	-2	The primary barrier fence for the bear is only approx 12' (3.65m) high and is constructed of 2 x 4 inch planks and mesh fencing. There is no canopy. The upper 2 - 3' (.6 - .9m) of the fence, a flimsy 2 x 4 angled construction, is angled inward. There does not appear to be any underground fencing and there are gaps between the fence and the ground.
SAFE FOR ANIMALS	-1	-1	No. Some potential for escape if bear properly motivated.
HOT WIRES, PRIMARY BARRIER	-1		
SUBSTRATE	5	3	
<25% SOFT SUBSTRATE	-2	-1	Most of the ground is hard packed dirt interspersed with weedy areas. No tall grasses grow here presumably the bear ate all edible plants in the cage.
ALLOWS FOR S.S. BEHAVIOR	-1		
FLAT, NO VARIATION	-1	-1	There is no variation to the topography.
SIGNIFICANT FLOODING	-1		
FEATURES & FURNITURE	5	0	
NO S.S. FURNITURE	-2	-1	There is one wooden platform in the cage for the bear to climb up onto. While this is good thing it, does not allow for any significant enrichment programming. The bear has developed an intricate & complex pacing pattern.
ENOUGH FOR GROUP	-2	-2	No enrichment programming.
DESIGN	-1	-1	
LOCATION	-1	-1	
REPLACEMENT	-1	-1	
EASE OF REPLACEMENT	-1	-1	
SHELTER	5	3	
AVAILABLE	-2	-1	Under the platform is a nest-box type of shelter constructed of 2 x 4 inch planks and plywood. It is too tall for a bear. Could not determine whether it was wind or water tight.
EFFECTIVENESS	-1		
SHELTER ACCESS	-1		
ENOUGH FOR ALL	-1		
BEDDING/SOFT SUBSTRATE	-1	-1	No bedding was observed.
PRIVACY	2	1	
PUBLIC VIEW/CAGE MATES	-2	-1	The bear can only be viewed from the east side. If he/she wishes to be off viewing, the shelter is the only option.
ENOUGH FOR ALL	-1	dominance	
360° VIEWING	-1		

ENVIRONMENT: OUTDOOR	5	3	
S.S. CLIMATE	-1		
VARIED TOPOGRAPHY	-1	-1	There is no varied topography, no pool, running water source for bear the bathe, no hummocks to hide behind.
NOISE	-1		The enclosure is in a quiet area in the woods. Only human noise could cause some disturbance. However, visitation does not appear to be high enough to cause constant noise problems.
GARBAGE/FECES	-1		
POTABLE WATER	-1	-1	There is one small water dish which would not carry enough water to satiate a bear. What little there was, may or may not have been potable, unable to tell.
ENVIRONMENT: INDOOR	5		
S.S. ENVIRONMENT	-2		
VARIED TOPOGRAPHY	-1		
NOISE	-1		
GARBAGE/FECES	-1		
POTABLE WATER	-1		
SAFETY	3	0	
BARRIER CAN CONTAIN IND.(S)	-2	-2	The fence is too flimsy for a bear. If properly motivated, there is a potential escape risk by tearing down the fence or climbing onto it.
DEFECTS IN EXHIBIT	-1	-1	There appears to be no underground fencing. Potential escape risk through digging.
PUBLIC BARRIER	-1		
GATES/DOORS LOCKED	-1		
DOUBLE DOOR ENTRY	-1	-1	No double door entry into exhibit to prevent escape and improve staff safety.
SHIFT AREAS	-1	-1	No shift area. A photo in their pamphlet/website depicts Mark Killman in with Gina the adult bear training her to stand for peanuts.
SIGNAGE	2	0	
1 OR > EXPLANATORY SIGN(S)	-2	-2	There is only one sign about the bear. It encourages the public to say 'Up Gina' so the bear will stand on its hind legs to beg for peanuts.
PROMINENT LOCATION	-1	-1	
ACCURATE INFO.	-1	-1	
TOTAL SCORE	50	16	FAIL

CANADA LYNX

CHARACTERISTIC	SCORE		COMMENTS
	POSSIBLE	ACTUAL	
APPEARANCE	5	3	Two animals observed, possibly a male and female.
UNHEALTHY, INJURY	-2		

REQUIRE GROOMING	-2		
FUR/FEATHER/SKIN CONDITION	-1	-1	Fur is lackluster, a possible indication of a diet and/or stress issue.
BODY WT. INAPPROPRIATE	-1	-1	Not enough lean body mass.
BEHAVIOR	5	1	
ABNORMAL BEHAVIOR	-2	-2	No activity throughout day. One lying on shelving at rear of cage, other lying on ground at back of cage.
PERFORMANCES	-2		
S.S. GROUPING	-1	-1	The two cats live in adjoining cages but they are separated. Female lynx live in familial groups and males are solitary. In captivity either sex will live with other individuals. Both of these lynx could benefit by social living.
WITHDRAWN	-1	-1	Glassy eyed, not involved with environment.
PUBLIC FEEDING	-1		
SPACE	10	5	This cage is relatively dark because of heavy foliage overhead. Cage area felt damp.
ALLOWS NORMAL MOVEMENT	-4	-2	Cage is oblong which does not allow the animal to walk in any direction at length other than east and west.
FIGHT OR FLIGHT RESPONSE	-4	-2	Cat cannot get away from visitors or staff if frightened, but can only run east/west along next to visitor viewing path.
VERTICAL SPACE USE	-2	-1	Shelving to bring cat up to public viewing level is available. No other vertical space furniture or design features available.
OVERCROWDED	-2		
BARRIER	3	0	
MAINTENANCE	-2	-2	The cage is constructed on wooden 2 x 4 inch planks and mesh. The barrier appears poorly maintained, rusty and rotten in places.
SAFE FOR ANIMALS	-1	-1	No. Some potential for escape if cat sufficiently motivated.
HOT WIRES, PRIMARY BARRIER	-1		
SUBSTRATE	5	1	
< 25% SOFT SUBSTRATE	-2	-2	100% hard packed dirt which turns into mud in places when it rains. There is no living vegetation in whole enclosure.
ALLOWS FOR S.S. BEHAVIOR	-1	-1	No natural vegetation to hide in, no fallen logs, no pools or running water to bathe in.
FLAT, NO VARIATION	-1	-1	Substrate is completely flat.
SIGNIFICANT FLOODING	-1		
FEATURES & FURNITURE	5	0	
NO S.S. FURNITURE	-2	-1	Shelving at visitor viewing level is only feature in otherwise barren cage.
ENOUGH FOR GROUP	-2	-1	Enough shelving, nothing else.
DESIGN	-1	-1	No enrichment program in place
LOCATION	-1	-1	No enrichment/devices.
REPLACEMENT	-1	-1	No enrichment/devices.

EASE OF REPLACEMENT	-1	-1	No enrichment/devices.
SHELTER	5	2	
AVAILABLE	-2	-1	Small wooden nest-box with tattered front material flap.
EFFECTIVENESS	-1	-1	The entrance faces public viewing. Cat can be seen inside nest box and therefore cannot achieve privacy. Not able to determine if box was weatherproof.
SHELTER ACCESS	-1	-1	Facing public viewing.
ENOUGH FOR ALL	-1		
BEDDING/SOFT SUBSTRATE	-1		
PRIVACY	2	0	
PUBLIC VIEW/CAGE MATES	-2	-2	Neither lynx can truly get away from the public or each other since the nest box opens to visitor viewing areas and there is little else to hide behind.
ENOUGH FOR ALL	-1	-1 dominance	
360° VIEWING	-1		
ENVIRONMENT: OUTDOOR	5	2	
S.S. CLIMATE	-1	-1	Lynx are native to Ontario winters. Do well if they can make proper day beds and nests for themselves. This cage does not offer any way for the lynx to choose preferred nesting/bedding means.
VARIED TOPOGRAPHY	-1	-1	The ground is flat and has no live vegetation in which to hide. It is too dark due to the tree canopy overgrowth.
NOISE	-1	-1	Due to the central location of this cage, the cats cannot escape the sounds of visitors.
GARBAGE/FECES	-1		
POTABLE WATER	-1		
ENVIRONMENT: INDOOR	5	N/A	
S.S. ENVIRONMENT	-2		
VARIED TOPOGRAPHY	-1		
NOISE	-1		
GARBAGE/FECES	-1		
POTABLE WATER	-1		
SAFETY	3	0	
BARRIER CAN CONTAIN IND.(S)	-2	-1	If the caging materials were newer (i.e., less rusty and rotten), then the structure would be very secure. However, patch work on mesh and status of wood makes safety a concern.
DEFECTS IN EXHIBIT	-1	-1	There is no underground fencing and there are periodic spaces between the canopy and the walls.
PUBLIC BARRIER	-1		
GATES/DOORS LOCKED	-1		
DOUBLE DOOR ENTRY	-1	-1	No double door entry system for keeper/public safety.

SHIFT AREAS	-1		
SIGNAGE	2	0	
1 OR > EXPLANATORY SIGN(S)	-2	-2	Signage gives cat common name, sex of cat and house name, 'The King'. Other sign indicates that Cat section is run by Mark Killman.
PROMINENT LOCATION	-1		
ACCURATE INFO.	-1		
TOTAL SCORE	50	14	FAIL

COUGAR

CHARACTERISTIC	SCORE		COMMENTS
	POSSIBLE	ACTUAL	
APPEARANCE	5	3	4 animals observed in 3 separate, but similar, cages.
UNHEALTHY, INJURY	-2		
REQUIRE GROOMING	-2	-1	The coats of all cougars were lackluster indicating possible diet & stress issues
FUR/FEATHER/SKIN CONDITION	-1		
BODY WT. INAPPROPRIATE	-1	-1	None of the cats appeared to have an appropriate amount of muscle mass.
BEHAVIOR	5	3	Of great concern is the fact that the facility is breeding cougars. Breeding activity is apparent from the signage.
ABNORMAL BEHAVIOR	-2	-1	The cages were barren except for old, worn tires presumable placed in cages as toys. The cats had nothing to encourage activity. All cats were lying around. One cat got up to call as the keeper (Mark Killman) walked by presumably because he/she thought it was feeding time.
PERFORMANCES	-2		
S.S. GROUPING	-1		
WITHDRAWN	-1	-1	Two of the four cats observed had withdrawn from the front areas of the cage. One of the two appeared glassy eyed and not interactive with its environment.
PUBLIC FEEDING	-1		
SPACE	10	9	
ALLOWS NORMAL MOVEMENT	-4	-1	All cougars had a yard attached to their cages. Only one cat seemingly had access to his/her yard.
FIGHT OR FLIGHT RESPONSE	-4		
VERTICAL SPACE USE	-2		All cats were equipped with wooden platforms.
OVERCROWDED	-2		
BARRIER	3	0	
MAINTENANCE	-2	-2	All of the cage/yard fencing appeared poorly maintained and inadequate for large cats. The fencing was rusty in places and the 2 x 4 inch wood support posts were rotting in places. Patch work was apparent.
SAFE FOR ANIMALS	-1	-1	No. Some potential for escape if cats sufficiently motivated.
HOT WIRES, PRIMARY BARRIER	-1		

SUBSTRATE	5	3	
< 25% SOFT SUBSTRATE	-2	-1	Some of the ground was hard, dry and compact. In other areas the ground had vegetation growing & provided a softer substrate for the cats.
ALLOWS FOR S.S. BEHAVIOR	-1		
FLAT, NO VARIATION	-1	-1	All three cages/yards were flat. There were no pools or running water to bathe in, no large logs to lie on or use for grooming.
SIGNIFICANT FLOODING	-1		
FEATURES & FURNITURE	5	0	
NO S.S. FURNITURE	-2	-1	All cats were provided with platforms for resting. There was no other furniture available, such as grooming logs, pools, etc.
ENOUGH FOR GROUP	-2	-1	Sufficient number of platforms. Nothing else.
DESIGN	-1	-1	No enrichment programming or devices. Only old tires which were or had been hung by rope.
LOCATION	-1	-1	No enrichment/devices
REPLACEMENT	-1	-1	No enrichment/devices
EASE OF REPLACEMENT	-1	-1	No enrichment/devices
SHELTER	5	5	
AVAILABLE	-2		Each cat had a plywood nest box. This works for the cats, since they are housed individually.
EFFECTIVENESS	-1		
SHELTER ACCESS	-1		
ENOUGH FOR ALL	-1		
BEDDING/SOFT SUBSTRATE	-1		Straw
PRIVACY	2	2	
PUBLIC VIEW/CAGE MATES	-2		Each cat can enter nest box to get out of public eye
ENOUGH FOR ALL	-1	dominance	
360° VIEWING	-1		
ENVIRONMENT: OUTDOOR	5	3	
S.S. CLIMATE	-1		
VARIED TOPOGRAPHY	-1	-1	No variance in topography. No hummocks to hide behind, pools or running water.
NOISE	-1		
GARBAGE/FECES	-1		
POTABLE WATER	-1	-1	Water dishes are too small to supply enough water for such a large cat on a hot day.
ENVIRONMENT: INDOOR	5		
S.S. ENVIRONMENT	-2		
VARIED TOPOGRAPHY	-1		
NOISE	-1		
GARBAGE/FECES	-1		

POTABLE WATER	-1		
SAFETY	3	0	
BARRIER CAN CONTAIN IND.(S)	-2	-2	If animals properly motivated, there is a potential escape risk. The cages are constructed of wooden 2 x 4 wood support posts and mesh. The mesh is patched in places.
DEFECTS IN EXHIBIT	-1	-1	The trees in the yard have been banded with metal sheets to keep cats from climbing. This appears rickety in places and is falling off in others. The yards do not have canopies and the upper 2-3 ft of the 12 ft fenceline is inverted towards the cage. This is a rickety 2x4 construction. There is no underground fenceline and there are gaps between the fenceline and the ground which can encourage digging.
PUBLIC BARRIER	-1		
GATES/DOORS LOCKED	-1		
DOUBLE DOOR ENTRY	-1	-1	There are no double door entry gates to prevent escape and protect staff.
SHIFT AREAS	-1		
SIGNAGE	2	0	
1 OR > EXPLANATORY SIGN(S)	-2		Signage is old, illegible and dilapidated.
PROMINENT LOCATION	-1		
ACCURATE INFO.	-1		Of great concern is the fact that the zoo is breeding cougars which is stated on the signage.
TOTAL SCORE	50	30	FAIL

DOMESTICATED FERRET

CHARACTERISTIC	SCORE		COMMENTS
	POSSIBLE	ACTUAL	
APPEARANCE	5	3	The two ferrets appeared to be an adult and a sub adult.
UNHEALTHY, INJURY	-2	-2	Unable to tell if wire mesh flooring has caused permanent damage to their feet, but they could not walk properly in cage due to wire meshing.
REQUIRE GROOMING	-2		
FUR/FEATHER/SKIN CONDITION	-1		
BODY WT. INAPPROPRIATE	-1		
BEHAVIOR	5	2	
ABNORMAL BEHAVIOR	-2	-2	The animals could not walk properly due to the wire mesh flooring.
PERFORMANCES	-2		
S.S. GROUPING	-1		
WITHDRAWN	-1		
PUBLIC FEEDING	-1	-1	Public is encouraged to feed them peanuts.

SPACE	10	0	
ALLOWS NORMAL MOVEMENT	-4	-4	Could not walk properly due to wire mesh flooring.
FIGHT OR FLIGHT RESPONSE	-4	-3	If frightened, the only place to retreat to is a small nest box attached to the cage
VERTICAL SPACE USE	-2	-2	No use of vertical space.
OVERCROWDED	-2	-2	This cage is not large enough for two ferrets.
BARRIER	3	0	
MAINTENANCE	-2	-2	Cage has old musty dirty appearance and needs to be replaced.
SAFE FOR ANIMALS	-1	-1	Wiring poses potential hazard to the animals.
HOT WIRES, PRIMARY BARRIER	-1		
SUBSTRATE	5	1	
< 25% SOFT SUBSTRATE	-2	-2	No bedding material on top of wire mesh flooring.
ALLOWS FOR S.S. BEHAVIOR	-1	-1	Ferrets unable to express normal behaviours because of floor surface and barren conditions.
FLAT, NO VARIATION	-1	-1	Completely flat and barren.
SIGNIFICANT FLOODING	-1		
FEATURES & FURNITURE	5	0	Cage barren. No attempts at enrichment programming.
NO S.S. FURNITURE	-2	-2	
ENOUGH FOR GROUP	-2	-2	
DESIGN	-1	-1	
LOCATION	-1	-1	
REPLACEMENT	-1	-1	
EASE OF REPLACEMENT	-1	-1	
SHELTER	5	3	
AVAILABLE	-2	-1	Single small nest box attached to cage. May be adequate size if ferrets are compatible.
EFFECTIVENESS	-1	-1	If the ferrets are friendly then the shelter can protect both at the same time from inclement weather. Otherwise not.
SHELTER ACCESS	-1	-1	
ENOUGH FOR ALL	-1	-1	
BEDDING/SOFT SUBSTRATE	-1	-1	No bedding observed in shelter.
PRIVACY	2	0	
PUBLIC VIEW/CAGE MATES	-2	-1	One or both ferrets can get away from the public by going into nest box but not if there is a dominant animal that monopolizes it.
ENOUGH FOR ALL	-1	-1	Dominant animal can monopolize.
360° VIEWING	-1	-1	Animals can be viewed from all sides.
ENVIRONMENT: OUTDOOR	5	2	
S.S. CLIMATE	-1	-1	Ferrets require a more extensive indoor environment to protect them from inclement weather.

VARIED TOPOGRAPHY	-1	-1	Flat, barren.
NOISE	-1	-1	No noise barriers.
GARBAGE/FECES	-1		
POTABLE WATER	-1		
ENVIRONMENT: INDOOR	5		
S.S. ENVIRONMENT	-2		
VARIED TOPOGRAPHY	-1		
NOISE	-1		
GARBAGE/FECES	-1		
POTABLE WATER	-1		
SAFETY	3	N/A	
BARRIER CAN CONTAIN IND.(S)	-2		
DEFECTS IN EXHIBIT	-1		
PUBLIC BARRIER	-1		
GATES/DOORS LOCKED	-1		
DOUBLE DOOR ENTRY	-1		
SHIFT AREAS	-1		
SIGNAGE	2	0	
1 OR > EXPLANATORY SIGN(S)	-2		
PROMINENT LOCATION	-1		
ACCURATE INFO.	-1		
TOTAL SCORE	50	11	FAIL

CRITICAL DEFICIENCIES

NO.	DEFICIENCY	FAIL	DESCRIPTION
1.	SEVERELY CRAMPED CONDITIONS OR RESTRAINTS PREVENTING NORMAL POSTURES & MOVEMENT LESS THAN 3 TIMES BODY + TAIL LENGTH	F	Two domesticated ferrets live in a small, barren, wire floored cage approx 3 times the body length of the adult ferret.
2.	90-100% HARD WIRE SUBSTRATES	F	With the exception of the small nest box the entire floor of the cage is wire mesh. The animals can not exercise a normal gait in this box.
3.	BARREN EXHIBITS LACKING ANY USABLE FEATURES OR FURNITURE	F	There was nothing in the cage to stimulate these highly intelligent active animals.

JAPANESE MACAQUE

CHARACTERISTIC	SCORE		COMMENTS
	POSSIBLE	ACTUAL	
APPEARANCE	5	5	
UNHEALTHY, INJURY	-2		

REQUIRE GROOMING	-2		
FUR/FEATHER/SKIN CONDITION	-1		Coat appears lackluster, but monkeys were observed grooming themselves/each other, keeping their fur in relatively clean condition.
BODY WT. INAPPROPRIATE	-1		The macaques appeared to have appropriate amount of muscle to fat ratio.
BEHAVIOR	5	3	
ABNORMAL BEHAVIOR	-2	-1	The monkeys have nothing to use or interact with, such as natural tree branches with leaves, nest building materials, extensive rope work for climbing or enrichment objects. They were observed sitting and watching the public. This is not typical Japanese Macaque behavior.
PERFORMANCES	-2		
S.S. GROUPING	-1		
WITHDRAWN	-1		
PUBLIC FEEDING	-1	-1	Visitors are encouraged throughout the facility to buy and feed peanuts to the animals. The public can throw peanuts into the cage.
SPACE	10	7	
ALLOWS NORMAL MOVEMENT	-4	-2	Cage large enough to allow for normal movement but does not encourage activity since the cage is barren except for shelving to sit on.
FIGHT OR FLIGHT RESPONSE	-4		Enough separate rooms and space to get away from public view.
VERTICAL SPACE USE	-2	-1	Vertical space use is important to Japanese macaques. There were shelves to sit on at visitor eye level, but the cage needs to have extensive hanging rope work to encourage climbing and other normal activity.
OVERCROWDED	-2		
BARRIER	3	2	
MAINTENANCE	-2	-1	The cage is constructed of 2 x 4 inch planks and mesh. Mesh has been patched in places.
SAFE FOR ANIMALS	-1		
HOT WIRES, PRIMARY BARRIER	-1		
SUBSTRATE	5	1	
< 25% SOFT SUBSTRATE	-2	-2	The ground is hard packed, dry dirt.
ALLOWS FOR S.S. BEHAVIOR	-1	-1	It does not appear that any effort has been made to turn the soil to make the substrate softer and more usable by the macaques. For example, to allow for ease of digging for bugs, etc.
FLAT, NO VARIATION	-1	-1	Ground is flat without variation. There are no pools for bathing or hummocks to provide privacy.
SIGNIFICANT FLOODING	-1		
FEATURES & FURNITURE	5	0	
NO S.S. FURNITURE	-2	-1	There is no hanging rope work, natural branches to sit on or logs with bark to pick apart. Shelving at visitor eye level is only feature.
ENOUGH FOR GROUP	-2	-1	Enough shelving at public eye level.
DESIGN	-1	-1	Shelving appears to be in place to facilitate visitor viewing.

LOCATION	-1	-1	Shelving only available at public observation points. No enrichment programming or devices.
REPLACEMENT	-1	-1	No enrichment programming or devices.
EASE OF REPLACEMENT	-1	-1	No enrichment programming or devices.
SHELTER	5	2	
AVAILABLE	-2	-1	Wooden nest-boxes were evident in the back of the cage.
EFFECTIVENESS	-1		Unable to assess whether shelter large or effective enough.
SHELTER ACCESS	-1		Unable to assess
ENOUGH FOR ALL	-1	-1	Due to the Japanese macaque intricate social hierarchy, one dominant animal can monopolize a nest box. Appeared that subordinate animals would not have access to boxes.
BEDDING/SOFT SUBSTRATE	-1	-1	No bedding apparent anywhere in the cage.
PRIVACY	2	0	
PUBLIC VIEW/CAGE MATES	-2	-1	All monkeys cannot obtain privacy from public viewing or each other at the same time.
ENOUGH FOR ALL	-1	-1 1 dominance	
360° VIEWING	-1		Viewing from S & E
ENVIRONMENT: OUTDOOR	5	2	
S.S. CLIMATE	-1	-1	Japanese macaques can tolerate cold weather,, therefore they can handle Niagara region winter if given bedding materials for nest boxes. But nest boxes too small to act as proper winter shelters.
VARIED TOPOGRAPHY	-1	-1	No pool or running water for bathing, no branching from ground up, no hummocks to hid behind.
NOISE	-1		
GARBAGE/FECES	-1		
POTABLE WATER	-1	-1	Water and food dish are on the ground. Was a muddy soupy mess as it was not protected from the rain.
ENVIRONMENT: INDOOR	5		
S.S. ENVIRONMENT	-2		
VARIED TOPOGRAPHY	-1		
NOISE	-1		
GARBAGE/FECES	-1		
POTABLE WATER	-1		
SAFETY	3	3	
BARRIER CAN CONTAIN IND.(S)	-2		
DEFECTS IN EXHIBIT	-1		
PUBLIC BARRIER	-1		
GATES/DOORS LOCKED	-1		
DOUBLE DOOR ENTRY	-1		
SHIFT AREAS	-1		

SIGNAGE	2	0	
1 OR > EXPLANATORY SIGN(S)	-2	-2	One sign was so decayed that it was difficult to read. Consisted of three mounted paper pages which have decayed with time. The second sign was a 'home made' sign stating the two common names of Japanese macaque & Snow monkey.
PROMINENT LOCATION	-1		
ACCURATE INFO.	-1		
TOTAL SCORE	50	25	FAIL

2. A. - TWIN VALLEY ZOO

BLACK AND WHITE RUFFED LEMUR

CHARACTERISTIC	SCORE		COMMENTS
	POSSIBLE	ACTUAL	
APPEARANCE	5	5	2 lemurs observed.
UNHEALTHY, INJURY	-2		
REQUIRE GROOMING	-2		
FUR/FEATHER/SKIN CONDITION	-1		
BODY WT. INAPPROPRIATE	-1		
BEHAVIOR	5	5	Lemurs were observed lounging on their perches and later playing & rooting through the soft earth substrate.
ABNORMAL BEHAVIOR	-2		
PERFORMANCES	-2		
S.S. GROUPING	-1		
WITHDRAWN	-1		
PUBLIC FEEDING	-1		
SPACE	10	8	Although the exhibit is small for the complete expression of lemur behavior, it does provide for basic behavioral needs such as perching choice, rooting in soil and three dimensional movement.
ALLOWS NORMAL MOVEMENT	-4	-2	
FIGHT OR FLIGHT RESPONSE	-4		
VERTICAL SPACE USE	-2		
OVERCROWDED	-2		
BARRIER	3	3	
MAINTENANCE	-2		Well maintained barriers.
SAFE FOR ANIMALS	-1		
HOT WIRES, PRIMARY BARRIER	-1		
SUBSTRATE	5	5	Soft earth, woodchip substrate used by lemurs to root through, play and to move on.
< 25% SOFT SUBSTRATE	-2		
ALLOWS FOR S.S. BEHAVIOR	-1		
FLAT, NO VARIATION	-1		
SIGNIFICANT FLOODING	-1		
FEATURES & FURNITURE	5	3	
NO S.S. FURNITURE	-2	-1	Good perching materials, used well. No significant enrichment program in place.
ENOUGH FOR GROUP	-2	-1	Sufficient perching; not enough enrichment.
DESIGN	-1		

LOCATION	-1		
REPLACEMENT	-1		
EASE OF REPLACEMENT	-1		
SHELTER	5	2	Building attached to exhibit suggests that it is the winter quarters as well as summer shelter.
AVAILABLE	-2	-2	Lemurs locked out of building.
EFFECTIVENESS	-1		
SHELTER ACCESS	-1	-1	
ENOUGH FOR ALL	-1		
BEDDING/SOFT SUBSTRATE	-1		
PRIVACY	2	2	
PUBLIC VIEW/CAGE MATES	-2		
ENOUGH FOR ALL	-1	dominance	
360° VIEWING	-1		
ENVIRONMENT: OUTDOOR	5	4	
S.S. CLIMATE	-1	-1	Lemurs likely use the adjoining building as their winter quarters. Building does not provide large winter accommodation.
VARIED TOPOGRAPHY	-1		
NOISE	-1		
GARBAGE/FECES	-1		
POTABLE WATER	-1		
ENVIRONMENT: INDOOR	5		
S.S. ENVIRONMENT	-2		
VARIED TOPOGRAPHY	-1		
NOISE	-1		
GARBAGE/FECES	-1		
POTABLE WATER	-1		
SAFETY	3	3	No safety issues noted. Good animal and public barriers.
BARRIER CAN CONTAIN IND.(S)	-2		
DEFECTS IN EXHIBIT	-1		
PUBLIC BARRIER	-1		
GATES/DOORS LOCKED	-1		
DOUBLE DOOR ENTRY	-1		
SHIFT AREAS	-1		
SIGNAGE	2	2	Good signage.
1 OR > EXPLANATORY SIGN(S)	-2		
PROMINENT LOCATION	-1		

ACCURATE INFO.	-1		
TOTAL SCORE	50	42	PASS

CANADA LYNX

CHARACTERISTIC	SCORE		COMMENTS
	POSSIBLE	ACTUAL	
APPEARANCE	5	5	Unable to fully assess cat as he/she was resting in log. Appeared healthy.
UNHEALTHY, INJURY	-2		
REQUIRE GROOMING	-2		
FUR/FEATHER/SKIN CONDITION	-1		
BODY WT. INAPPROPRIATE	-1		
BEHAVIOR	5	5	
ABNORMAL BEHAVIOR	-2		Afternoon napping inside old log.
PERFORMANCES	-2		
S.S. GROUPING	-1		
WITHDRAWN	-1		
PUBLIC FEEDING	-1		
SPACE	10	8	
ALLOWS NORMAL MOVEMENT	-4	-2	The space is small but large enough to allow for normal gait.
FIGHT OR FLIGHT RESPONSE	-4		The cat can retreat into the back cage area, which is also an open multi dimensional area with soft substrate. The cat did have access to the back area.
VERTICAL SPACE USE	-2		Excellent use of vertical space. Log arranged horizontally to create cat walks. Nest box situated high up in SE corner of cage.
OVERCROWDED	-2		
BARRIER	3	3	
MAINTENANCE	-2		Well maintained.
SAFE FOR ANIMALS	-1		Very safe for cat.
HOT WIRES, PRIMARY BARRIER	-1		
SUBSTRATE	5	5	
< 25% SOFT SUBSTRATE	-2		Excellent soft loamy substrate which retains some humidity and stays cool on hot day.
ALLOWS FOR S.S. BEHAVIOR	-1		
FLAT, NO VARIATION	-1		Substrate flat but furniture engages vertical space.
SIGNIFICANT FLOODING	-1		
FEATURES & FURNITURE	5	2	
NO S.S. FURNITURE	-2	-1	Excellent use of three dimensional space. Cat walks created out of natural branches allow lynx to use elevated nest box. 1 point lost because there is no sign of meaningful enrichment programming. Enrichment is particularly important in this case as there is just one animal.

ENOUGH FOR GROUP	-2	-2	No enrichment programming.
DESIGN	-1		
LOCATION	-1		
REPLACEMENT	-1		
EASE OF REPLACEMENT	-1		
SHELTER	5	5	
AVAILABLE	-2		Two shelters available to single cat, one elevated in SE corner of cage and one on ground. Well done for such a small space.
EFFECTIVENESS	-1		
SHELTER ACCESS	-1		
ENOUGH FOR ALL	-1		
BEDDING/SOFT SUBSTRATE	-1		
PRIVACY	2	2	
PUBLIC VIEW/CAGE MATES	-2		Cat can retreat to several places if tired of being on display.
ENOUGH FOR ALL	-1	dominance	
360° VIEWING	-1		
ENVIRONMENT: OUTDOOR	5	5	
S.S. CLIMATE	-1		
VARIED TOPOGRAPHY	-1		Not varied topography but good use of three dimensional space.
NOISE	-1		Exhibit located in quiet area.
GARBAGE/FECES	-1		
POTABLE WATER	-1		
ENVIRONMENT: INDOOR	5		
S.S. ENVIRONMENT	-2		
VARIED TOPOGRAPHY	-1		
NOISE	-1		
GARBAGE/FECES	-1		
POTABLE WATER	-1		
SAFETY	3	2	
BARRIER CAN CONTAIN IND.(S)	-2		
DEFECTS IN EXHIBIT	-1		
PUBLIC BARRIER	-1		
GATES/DOORS LOCKED	-1		
DOUBLE DOOR ENTRY	-1	-1	Exhibit should be equipped with a double door entry system.
SHIFT AREAS	-1		

SIGNAGE	2	2	
1 OR > EXPLANATORY SIGN(S)	-2		
PROMINENT LOCATION	-1		
ACCURATE INFO.	-1		
TOTAL SCORE	50	43	PASS

GREY WOLF

CHARACTERISTIC	SCORE		COMMENTS
	POSSIBLE	ACTUAL	
APPEARANCE	5	5	Two wolves observed. Both appeared healthy.
UNHEALTHY, INJURY	-2		
REQUIRE GROOMING	-2		
FUR/FEATHER/SKIN CONDITION	-1		
BODY WT. INAPPROPRIATE	-1		
BEHAVIOR	5	5	Normal behaviors, resting in separate areas of field.
ABNORMAL BEHAVIOR	-2		No pacing observed.
PERFORMANCES	-2		
S.S. GROUPING	-1		
WITHDRAWN	-1		
PUBLIC FEEDING	-1		
SPACE	10	10	
ALLOWS NORMAL MOVEMENT	-4		Space is relatively large and field-like, allows for normal gait and movement
FIGHT OR FLIGHT RESPONSE	-4		Both animals can get away if feeling threatened.
VERTICAL SPACE USE	-2		Have built a mound in center of exhibit. Allows wolves to get up high and smell the air for information. Well planned.
OVERCROWDED	-2		
BARRIER	3	3	
MAINTENANCE	-2		Effective, well maintained fenceline
SAFE FOR ANIMALS	-1		Unable to determine if underground fencing is present to prevent digging out of exhibit.
HOT WIRES, PRIMARY BARRIER	-1		
SUBSTRATE	5	5	
< 25% SOFT SUBSTRATE	-2		Excellent varying substrate. Field overgrown with tall vegetation with open patches.
ALLOWS FOR S.S. BEHAVIOR	-1		Allows for digging and the making of day beds and denning.
FLAT, NO VARIATION	-1		
SIGNIFICANT FLOODING	-1		

FEATURES & FURNITURE	5	2	
NO S.S. FURNITURE	-2	-1	Logs, boulders, vegetation scattered throughout field. One point lost because of lack of enrichment programming
ENOUGH FOR GROUP	-2	-2	No enrichment programming.
DESIGN	-1		
LOCATION	-1		
REPLACEMENT	-1		
EASE OF REPLACEMENT	-1		
SHELTER	5	5	
AVAILABLE	-2		Several shelters for wolves.
EFFECTIVENESS	-1		
SHELTER ACCESS	-1		
ENOUGH FOR ALL	-1		
BEDDING/SOFT SUBSTRATE	-1		
PRIVACY	2	2	
PUBLIC VIEW/CAGE MATES	-2		Can get away from public and from each other.
ENOUGH FOR ALL	-1	dominance	
360° VIEWING	-1		
ENVIRONMENT: OUTDOOR	5	5	
S.S. CLIMATE	-1		
VARIED TOPOGRAPHY	-1		Hilly and mound built up in center.
NOISE	-1		Quiet location in zoo.
GARBAGE/FECES	-1		
POTABLE WATER	-1		
ENVIRONMENT: INDOOR	5		
S.S. ENVIRONMENT	-2		
VARIED TOPOGRAPHY	-1		
NOISE	-1		
GARBAGE/FECES	-1		
POTABLE WATER	-1		
SAFETY	3	1	
BARRIER CAN CONTAIN IND.(S)	-2		Good height for fence. Unable to tell if there is underground fencing
DEFECTS IN EXHIBIT	-1		
PUBLIC BARRIER	-1		
GATES/DOORS LOCKED	-1		
DOUBLE DOOR ENTRY	-1	-1	Requires double door entry.

SHIFT AREAS	-1	-1	No shift area identified.
SIGNAGE	2	2	
1 OR > EXPLANATORY SIGN(S)	-2		
PROMINENT LOCATION	-1		
ACCURATE INFO.	-1		
TOTAL SCORE	50	45	PASS

AMERICAN BLACK BEAR

CHARACTERISTIC	SCORE		COMMENTS
	POSSIBLE	ACTUAL	
APPEARANCE	5	5	Two bears observed. Both appear to be physically healthy sub-adults.
UNHEALTHY, INJURY	-2		
REQUIRE GROOMING	-2		
FUR/FEATHER/SKIN CONDITION	-1		
BODY WT. INAPPROPRIATE	-1		
BEHAVIOR	5	3	
ABNORMAL BEHAVIOR	-2	-1	Both bears were showing signs of immediate stress running throughout the exhibit, jumping in & out of the pool water to cool off. One bear stood on their hind legs and assessed the top of the 5 ft fencing, seemingly in response to the sound of road construction vehicles nearby on Highway 2/53. One bear was pacing after the road work was over, possibly a routine daily pace.
PERFORMANCES	-2		
S.S. GROUPING	-1		
WITHDRAWN	-1		
PUBLIC FEEDING	-1	-1	Visitors are encouraged to buy peanuts/grain to feed to the bears and other animals.
SPACE	10	3	
ALLOWS NORMAL MOVEMENT	-4	-2	
FIGHT OR FLIGHT RESPONSE	-4	-4	Does not allow for normal fight/flight response. The road work caused bears to run in circles. They had no where to feel safe from their perceived threat.
VERTICAL SPACE USE	-2	-1	No vertical space use.
OVERCROWDED	-2	-1	Exhibit is 40 x 50' (12.2 X 15.2m); undersized for two sub-adult bears.
BARRIER	3	0	
MAINTENANCE	-2	-2	
SAFE FOR ANIMALS	-1	-1	TVZ is depending on hotwire to keep
HOT WIRES, PRIMARY BARRIER	-1	-1	Hot wire is not a suitable barrier to prevent bears from climbing fence.
SUBSTRATE	5	3	

< 25% SOFT SUBSTRATE	-2	-1	Hard packed dirt. Could be improved by tilling earth and adding mulch.
ALLOWS FOR S.S. BEHAVIOR	-1		
FLAT, NO VARIATION	-1	-1	Exhibit is entirely flat without hummocks.
SIGNIFICANT FLOODING	-1		
FEATURES & FURNITURE	5	1	
NO S.S. FURNITURE	-2	-1	There is a plastic pool only large enough for one bear. Exhibit needs more logs, platforms. No meaningful enrichment program in place. Little for bears to do.
ENOUGH FOR GROUP	-2	-1	
DESIGN	-1	-1	Design of exhibit seems incidental and not specific to bears
LOCATION	-1	-1	Pool and shelter are only objects in exhibit.
REPLACEMENT	-1		There really isn't anything to replace. New items need to be added
EASE OF REPLACEMENT	-1		
SHELTER	5	5	
AVAILABLE	-2		
EFFECTIVENESS	-1		
SHELTER ACCESS	-1		
ENOUGH FOR ALL	-1		
BEDDING/SOFT SUBSTRATE	-1		
PRIVACY	2	1	
PUBLIC VIEW/CAGE MATES	-2	-1	Except for the shelter, there are no opportunities for the bears to obtain privacy from visitor viewing or each other.
ENOUGH FOR ALL	-1	dominance	
360° VIEWING	-1		
ENVIRONMENT: OUTDOOR	5	3	
S.S. CLIMATE	-1		
VARIED TOPOGRAPHY	-1	-1	No variation, flat
NOISE	-1	-1	Road work noise & public noise bothers the bears, and they have no place to escape from it.
GARBAGE/FECES	-1		
POTABLE WATER	-1		
ENVIRONMENT: INDOOR	5		
S.S. ENVIRONMENT	-2		
VARIED TOPOGRAPHY	-1		
NOISE	-1		
GARBAGE/FECES	-1		
POTABLE WATER	-1		

SAFETY	3	0	
BARRIER CAN CONTAIN IND.(S)	-2	-2	The bear fence is approximately 5' (1.52m) high. Four strands of hotwire are positioned along the interior of the fence to prevent the bears from climbing it. The hotwire was snapping and arching on the west side, possibly grounding. Bears may outgrow the fence. Potential risk of escape.
DEFECTS IN EXHIBIT	-1	-1	It appears that the bears may have been cubs when the exhibit was first outfitted for them and now they are growing too large for the fence.
PUBLIC BARRIER	-1		
GATES/DOORS LOCKED	-1		
DOUBLE DOOR ENTRY	-1	-1	No double door entry and no shift areas suggest that the keepers go in with the bears to clean.
SHIFT AREAS	-1	-1	
SIGNAGE	2	1	
1 OR > EXPLANATORY SIGN(S)	-2		
PROMINENT LOCATION	-1	-1	No signage was observed.
ACCURATE INFO.	-1		
TOTAL SCORE	50	25	FAIL

BOBCAT

CHARACTERISTIC	SCORE		COMMENTS
	POSSIBLE	ACTUAL	
APPEARANCE	5	4	Unable to fully assess body condition. Animal lying in back of dark cage. One animal observed.
UNHEALTHY, INJURY	-2		
REQUIRE GROOMING	-2	-1	Coat was lackluster, sign of cat not grooming well, or unable to groom well.
FUR/FEATHER/SKIN CONDITION	-1		
BODY WT. INAPPROPRIATE	-1		
BEHAVIOR	5	3	
ABNORMAL BEHAVIOR	-2	-1	Pacing not observed but excessively worn ruts in cage suggest pacing issue.
PERFORMANCES	-2		
S.S. GROUPING	-1		
WITHDRAWN	-1	-1	
PUBLIC FEEDING	-1		
SPACE	10	1	
ALLOWS NORMAL MOVEMENT	-4	-3	Space allows animal to stand upright and walk. But cage much too small, approx. 10 x 4' (3 x 1.2m); does not encourage other normal behaviors, such as running, leaping. Space has dense canopy of vegetation, so little direct light enters cage.
FIGHT OR FLIGHT RESPONSE	-4	-4	No fight/flight response space.
VERTICAL SPACE USE	-2	-2	Does seem that there is dilapidated shelving,; unknown if cat can use it. Some branching in place horizontally but too spindly to make good catwalks.

OVERCROWDED	-2		
BARRIER	3	1	
MAINTENANCE	-2	-1	Fencing poorly maintained. Appears to be an aging exhibit.
SAFE FOR ANIMALS	-1	-1	May pose a problem for cat.
HOT WIRES, PRIMARY BARRIER	-1		
SUBSTRATE	5	1	
< 25% SOFT SUBSTRATE	-2	-2	Poorly maintained hard dry dirt with old dry woodchips on top.
ALLOWS FOR S.S. BEHAVIOR	-1	-1	Does not encourage normal behaviors.
FLAT, NO VARIATION	-1	-1	Vertical space so poorly used that flat substrate (being only usable surface) is a major problem for animal.
SIGNIFICANT FLOODING	-1		
FEATURES & FURNITURE	5	0	
NO S.S. FURNITURE	-2	-2	A poor attempt has been made to set up catwalks with branching, but fails to provide appropriate vertical space use. Little usable furniture and no enrichment programming which is particularly important for a cat living alone.
ENOUGH FOR GROUP	-2	-2	No enrichment programming.
DESIGN	-1	-1	
LOCATION	-1		
REPLACEMENT	-1		
EASE OF REPLACEMENT	-1		
SHELTER	5	2	
AVAILABLE	-2	-1	Unable to fully assess shelter. Den box available but appears to be old and in poor repair. Unknown if water tight.
EFFECTIVENESS	-1	-1	Appears in poor repair.
SHELTER ACCESS	-1		
ENOUGH FOR ALL	-1		
BEDDING/SOFT SUBSTRATE	-1	-1	Dry old wood chips.
PRIVACY	2	0	
PUBLIC VIEW/CAGE MATES	-2	-2	Although cage is heavily canopied and it is difficult for the visitors to see the bobcat, the cage is so small there is no way for the animal to truly retreat from public view.
ENOUGH FOR ALL	-1	dominance	
360° VIEWING	-1		
ENVIRONMENT: OUTDOOR	5	3	
S.S. CLIMATE	-1		
VARIED TOPOGRAPHY	-1	-1	Flat surface and no appropriate vertical space use.

NOISE	-1	-1	Cat cannot get away from noise of public since cage is so small. It is not incidental that cat is sitting as far back in cage as possible from public walkway.
GARBAGE/FECES	-1		
POTABLE WATER	-1		
ENVIRONMENT: INDOOR	5		
S.S. ENVIRONMENT	-2		
VARIED TOPOGRAPHY	-1		
NOISE	-1		
GARBAGE/FECES	-1		
POTABLE WATER	-1		
SAFETY	3	0	
BARRIER CAN CONTAIN IND.(S)	-2		
DEFECTS IN EXHIBIT	-1	-1	Heavy vegetation around fencing may make maintenance difficult.
PUBLIC BARRIER	-1		
GATES/DOORS LOCKED	-1		
DOUBLE DOOR ENTRY	-1	-1	No double door entry.
SHIFT AREAS	-1	-1	No shift area observed.
SIGNAGE	2	2	
1 OR > EXPLANATORY SIGN(S)	-2		
PROMINENT LOCATION	-1		
ACCURATE INFO.	-1		
TOTAL SCORE	50	17	FAIL

DOMESTICATED RABBIT

CHARACTERISTIC	SCORE		COMMENTS
	POSSIBLE	ACTUAL	
APPEARANCE	5	5	4 rabbits observed.
UNHEALTHY, INJURY	-2		
REQUIRE GROOMING	-2		
FUR/FEATHER/SKIN CONDITION	-1		
BODY WT. INAPPROPRIATE	-1		
BEHAVIOR	5	1	
ABNORMAL BEHAVIOR	-2		
PERFORMANCES	-2	-2	These juvenile rabbits were handled by dozens of children/adults throughout the day. These are "working" animals.
S.S. GROUPING	-1		

WITHDRAWN	-1	-1	Two rabbits attempted to stay on the mesh of the cage, presumably because they were less likely to be handled by humans.
PUBLIC FEEDING	-1	-1	Although there is a sign saying not feed the rabbits, grain and peanuts were fed to them by numerous visitors.
SPACE	10	0	Cage is small for four juvenile rabbits and had a mesh floor. Zoo appears to recognize that mesh flooring is a problem for the rabbits since they have placed two small wooden planks in cage, presumably for rabbits to walk on.
ALLOWS NORMAL MOVEMENT	-4	-4	The cage space is barren. Mesh floor impedes normal movement.
FIGHT OR FLIGHT RESPONSE	-4	-4	No fight/flight space.
VERTICAL SPACE USE	-2	-2	No vertical space usage.
OVERCROWDED	-2	-2	Four sub adults are too many for small cage with mesh floor.
BARRIER	3	3	Barrier is incidental. Being handled all day by humans is unsafe to rabbits' health.
MAINTENANCE	-2		
SAFE FOR ANIMALS	-1		
HOT WIRES, PRIMARY BARRIER	-1		
SUBSTRATE	5	0	Mesh floor does not allow for normal rabbit gait. Unable to assess if rabbits suffered permanent foot damage due to mesh floor. Possibly.
< 25% SOFT SUBSTRATE	-2	-2	
ALLOWS FOR S.S. BEHAVIOR	-1	-1	
FLAT, NO VARIATION	-1	-1	
SIGNIFICANT FLOODING	-1		
FEATURES & FURNITURE	5	0	Cage is set up for ease of human handling and not for comfort of the animals. In this case the rabbits are there entirely for the human experience.
NO S.S. FURNITURE	-2	-2	No furniture for rabbits. Entirely barren cage. No meaningful enrichment program.
ENOUGH FOR GROUP	-2	-2	
DESIGN	-1	-1	No species-typical rabbit behaviors or needs are considered in design.
LOCATION	-1		
REPLACEMENT	-1		
EASE OF REPLACEMENT	-1		
SHELTER	5	0	Rabbits were unable to be sheltered from being handled all day.
AVAILABLE	-2		
EFFECTIVENESS	-1		
SHELTER ACCESS	-1		
ENOUGH FOR ALL	-1		
BEDDING/SOFT SUBSTRATE	-1		
PRIVACY	2	0	

PUBLIC VIEW/CAGE MATES	-2	-2	Rabbits were unable to get away from being handled by public. Public expressed concern for rabbit well being and wondered if the animals 'got a break'.
ENOUGH FOR ALL	-1	Domina nce	
360° VIEWING	-1		
ENVIRONMENT: OUTDOOR	5	0	Not relevant.
S.S. CLIMATE	-1		
VARIED TOPOGRAPHY	-1		
NOISE	-1		
GARBAGE/FECES	-1		
POTABLE WATER	-1		
ENVIRONMENT: INDOOR	5		
S.S. ENVIRONMENT	-2		
VARIED TOPOGRAPHY	-1		
NOISE	-1		
GARBAGE/FECES	-1		
POTABLE WATER	-1		
SAFETY	3	3	
BARRIER CAN CONTAIN IND.(S)	-2		
DEFECTS IN EXHIBIT	-1		
PUBLIC BARRIER	-1		
GATES/DOORS LOCKED	-1		
DOUBLE DOOR ENTRY	-1		
SHIFT AREAS	-1		
SIGNAGE	2	0	
1 OR > EXPLANATORY SIGN(S)	-2		
PROMINENT LOCATION	-1		
ACCURATE INFO.	-1		
TOTAL SCORE	50	12	FAIL

CRITICAL DEFICIENCIES

NO.	DEFICIENCY	FAIL	DESCRIPTION
1.	SEVERELY CRAMPED CONDITIONS OR RESTRAINTS PREVENTING NORMAL POSTURES & MOVEMENT LESS THAN 3 x BODY LENGTH + TAIL LENGTH	F	Rabbits were subject to handling throughout the day.
2.	90-100% HARD WIRE SUBSTRATES	F	The rabbits could sit on the wire mesh floor or in the nest box where they would be subjected to handling by visitors.

3.	BARREN EXHIBITS LACKING ANY USABLE FEATURES OR FURNITURE	F	Cage was entirely barren as it was constructed so that children could have access to rabbits. Rabbit behavior was completely ignored in the design process.
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3. A. - LICKETY SPLIT RANCH AND ZOO

KANGAROO

CHARACTERISTIC	SCORE		COMMENTS
	POSSIBLE	ACTUAL	
APPEARANCE	5	0	
UNHEALTHY, INJURY	-2	-2	Male kangaroo appears to need medical attention. His eyes are dull and he has difficulty keeping them open at times. He has a slight & persistent upper body tremor.
REQUIRE GROOMING	-2	-2	There were feces on his back indicating that in order to clean his coat he is forced to roll in his own feces since the cage is too small for him. His coat is patchy, lackluster & he exhibits persistent scratching.
FUR/FEATHER/SKIN CONDITION	-1	-1	Minor contusions and lacerations on his skin were observed.
BODY WT. INAPPROPRIATE	-1		
BEHAVIOR	5	0	The exhibit is a grossly undersized, barren cage lacking anything to encourage the expression of species-typical behaviors.
ABNORMAL BEHAVIOR	-2		
PERFORMANCES	-2		
S.S. GROUPING	-1	-1	
WITHDRAWN	-1		
PUBLIC FEEDING	-1		
SPACE	10	0	
ALLOWS NORMAL MOVEMENT	-4	-4	Cage too small for normal kangaroo movement which requires gaining some spend to exercise rear leg, hip and base of tail muscles for jumping.
FIGHT OR FLIGHT RESPONSE	-4	-4	Can only go into shelter to get away from public view. Temperature was too hot at 33 C, so .
VERTICAL SPACE USE	-2	-2	
OVERCROWDED	-2	-2	The cage is too small to allow for normal kangaroo behavior.
BARRIER	3	0	
MAINTENANCE	-2	-2	Not well maintained; old materials, rusty.
SAFE FOR ANIMALS	-1	-1	Rusty cage materials, protruding wires pose hazard to animal.
HOT WIRES, PRIMARY BARRIER	-1		
SUBSTRATE	5	1	
< 25% SOFT SUBSTRATE	-2	-2	Substrate is hard packed dirt with little vegetation.
ALLOWS FOR S.S. BEHAVIOR	-1	-1	Kangaroo has no ability to lie in tall grass for shade, soft bedding and comfort.
FLAT, NO VARIATION	-1	-1	Flat square cage; no species specific features at all.
SIGNIFICANT FLOODING	-1		
FEATURES & FURNITURE	5	0	
NO S.S. FURNITURE	-2	-2	No furnishings or any indication of enrichment programming.
ENOUGH FOR GROUP	-2	-2	

DESIGN	-1	-1	
LOCATION	-1	-1	
REPLACEMENT	-1	-1	
EASE OF REPLACEMENT	-1	-1	
SHELTER	5	1	
AVAILABLE	-2	-1	Small shelter made of aging, dilapidated materials available.
EFFECTIVENESS	-1	-1	It was too hot for the kangaroo to use since there is no ventilation to allow for some air exchange to increase its ability to protect kangaroo from heat
SHELTER ACCESS	-1	-1	Access is large opening facing east. If wind, snow, rain come from east, there is little protection. Morning sun shines into shelter, possibly heating interior to uncomfortable levels.
ENOUGH FOR ALL	-1		
BEDDING/SOFT SUBSTRATE	-1	-1	None observed.
PRIVACY	2	0	
PUBLIC VIEW/CAGE MATES	-2	-2	Due to shelter opening the kangaroo can never truly escape public viewing.
ENOUGH FOR ALL	-1		
360° VIEWING	-1		
ENVIRONMENT: OUTDOOR	5	0	
S.S. CLIMATE	-1	-1	Kangaroos require a substantial indoor facility to weather Ontario's winters. Even with bedding materials the shelter does not provide proper winter housing.
VARIED TOPOGRAPHY	-1	-1	Flat. No variation
NOISE	-1	-1	Cannot escape visitor noise or auditory harassment because cage is so small.
GARBAGE/FECES	-1	-1	Feces scattered throughout cage floor and on animal's fur.
POTABLE WATER	-1	-1	No potable water in outside cage.
ENVIRONMENT: INDOOR	5		
S.S. ENVIRONMENT	-2		
VARIED TOPOGRAPHY	-1		
NOISE	-1		
GARBAGE/FECES	-1		
POTABLE WATER	-1		
SAFETY	3	0	
BARRIER CAN CONTAIN IND.(S)	-2		
DEFECTS IN EXHIBIT	-1	-1	The mesh is old and rusty. If stressed and panicked the kangaroo may be able to break it.
PUBLIC BARRIER	-1		
GATES/DOORS LOCKED	-1		
DOUBLE DOOR ENTRY	-1	-1	No double doors for kangaroo. Important as an escaped male kangaroo can be very dangerous.
SHIFT AREAS	-1	-1	No significant shift area for the kangaroo. It appears that the staff go in with the kangaroo to

			appears that the staff go in with the kangaroo to clean. Can be dangerous to staff if kangaroo gets stressed in such small confines.
SIGNAGE	2	0	
1 OR > EXPLANATORY SIGN(S)	-2	-2	One sign displayed reads 'Kangaroo'
PROMINENT LOCATION	-1		
ACCURATE INFO.	-1		
TOTAL SCORE	50	2	FAIL

CRITICAL DEFICIENCIES

NO.	DEFICIENCY	FAIL	DESCRIPTION
1.	SEVERELY CRAMPED CONDITIONS OR RESTRAINTS PREVENTING NORMAL POSTURES & MOVEMENT LESS THAN 3 TIMES BODY + TAIL LENGTH	F	Male kangaroo unable to exercise hip, leg, and tail muscles by gaining speed to jump as kangaroos normally do.
2.	90-100% HARD WIRE SUBSTRATES		
3.	BARREN EXHIBITS LACKING ANY USABLE FEATURES OR FURNITURE	F	The cage is completely unfurnished.

COATIMUNDI

CHARACTERISTIC	SCORE		COMMENTS
	POSSIBLE	ACTUAL	
APPEARANCE	5	0	This animal appears to require medical attention.
UNHEALTHY, INJURY	-2	-2	This animal was lying in an atypical position with its body inside the nestbox and its head hanging out and down from the box. I was unable to "wake" the animal. They seemed to be suffering from heat prostration.
REQUIRE GROOMING	-2	-2	The coat was lackluster, a possible indicator of poor welfare.
FUR/FEATHER/SKIN CONDITION	-1		
BODY WT. INAPPROPRIATE	-1		
BEHAVIOR	5	0	Due to this animal's atypical position indicating suffering, no typical behaviors were observed since he/she was unable to perform normally.
ABNORMAL BEHAVIOR	-2	-2	
PERFORMANCES	-2		
S.S. GROUPING	-1		
WITHDRAWN	-1	-1	
PUBLIC FEEDING	-1		
SPACE	10	0	
ALLOWS NORMAL MOVEMENT	-4	-4	Nest box is at visitor eye level and there is branching to act as a ladder. Cage is too small to allow for normal rooting in the ground or arboreal movement.
FIGHT OR FLIGHT RESPONSE	-4	-4	Nest box faces towards the public, thus animal is unable to get away from public view at any time.
VERTICAL SPACE USE	-2	-1	
OVERCROWDED	-2	-2	Cage too small to house even one coatimundi adequately

			adequately.
BARRIER	3	0	
MAINTENANCE	-2	-2	Cage mesh old, rusty and poorly maintained.
SAFE FOR ANIMALS	-1	-1	Rusty, protruding wire mesh ends may cause problems for animals.
HOT WIRES, PRIMARY BARRIER	-1		
SUBSTRATE	5	1	
< 25% SOFT SUBSTRATE	-2	-2	Hard, packed dirt substrate slight vegetation
ALLOWS FOR S.S. BEHAVIOR	-1	-1	Cage too small for normal rooting and arboreal behaviors.
FLAT, NO VARIATION	-1	-1	Cage floor flat.
SIGNIFICANT FLOODING	-1		
FEATURES & FURNITURE	5	0	No indication of enrichment programming.
NO S.S. FURNITURE	-2	-1	Cage has platform, shelter and limited branching to act as ladder. Very minimalist.
ENOUGH FOR GROUP	-2	-1	Single coati requires more space, arboreal-type features and soft ground with vegetation for rooting.
DESIGN	-1	-1	Too minimalist.
LOCATION	-1	-1	
REPLACEMENT	-1	-1	
EASE OF REPLACEMENT	-1		
SHELTER	5	1	
AVAILABLE	-2	-1	Nest box at visitor eye level.
EFFECTIVENESS	-1	-1	Does not provide shelter from rains snow, winds etc if coming from north.
SHELTER ACCESS	-1	-1	Nestbox is wide open to public.
ENOUGH FOR ALL	-1		
BEDDING/SOFT SUBSTRATE	-1	-1	
PRIVACY	2	0	
PUBLIC VIEW/CAGE MATES	-2	-2	Coati unable to get away from public viewing.
ENOUGH FOR ALL	-1		
360° VIEWING	-1		
ENVIRONMENT: OUTDOOR	5	1	
S.S. CLIMATE	-1	-1	Coati unable to withstand Ontario winter. Nest box unsuitable as winter shelter.
VARIED TOPOGRAPHY	-1	-1	Flat surface.
NOISE	-1	-1	Unable to get away from visitor noise.
GARBAGE/FECES	-1		
POTABLE WATER	-1	-1	No potable water observed.
ENVIRONMENT: INDOOR	5		
S.S. ENVIRONMENT	-2		

VARIED TOPOGRAPHY	-1		
NOISE	-1		
GARBAGE/FECES	-1		
POTABLE WATER	-1		
SAFETY	3	3	
BARRIER CAN CONTAIN IND.(S)	-2		
DEFECTS IN EXHIBIT	-1		
PUBLIC BARRIER	-1		
GATES/DOORS LOCKED	-1		
DOUBLE DOOR ENTRY	-1		
SHIFT AREAS	-1		
SIGNAGE	2	0	
1 OR > EXPLANATORY SIGN(S)	-2	-2	Single sign which reads 'coatimundi'
PROMINENT LOCATION	-1		
ACCURATE INFO.	-1		
TOTAL SCORE	50	5	FAIL

RACCOON

CHARACTERISTIC	SCORE		COMMENTS
	POSSIBLE	ACTUAL	
APPEARANCE	5	2	
UNHEALTHY, INJURY	-2	-2	Appeared to be suffering in heat as they were both lying flat and very still in the shade, exhibiting shallow quick breathing.
REQUIRE GROOMING	-2		
FUR/FEATHER/SKIN CONDITION	-1	-1	Coats are lackluster, indicating possible welfare issues.
BODY WT. INAPPROPRIATE	-1		
BEHAVIOR	5	2	
ABNORMAL BEHAVIOR	-2	-2	Both animals were suffering from the heat as they were lying flat, in the shade. Had no protection from severe heat.
PERFORMANCES	-2		
S.S. GROUPING	-1		
WITHDRAWN	-1	-1	
PUBLIC FEEDING	-1		
SPACE	10	1	
ALLOWS NORMAL MOVEMENT	-4	-2	The cage is too small for two raccoons and does not provide enough ground and arboreal-type living space.
FIGHT OR FLIGHT RESPONSE	-4	-4	The raccoons cannot remove themselves from public view unless they use a nest box. The canopy is overgrown with vegetation which can provide some ability to hide, until the foliage drops in the

			fall.
VERTICAL SPACE USE	-2	-1	There are shelf like structures in cage.
OVERCROWDED	-2	-2	This cage is not large enough for one raccoon to behave normally. The fact that there are two of them can provide some sense of security for each if they are compatible.
BARRIER	3	0	
MAINTENANCE	-2	-2	The mesh is old, rusty and poorly maintained.
SAFE FOR ANIMALS	-1	-1	Aging wire pieces may be a hazard to animals.
HOT WIRES, PRIMARY BARRIER	-1		
SUBSTRATE	5	1	
< 25% SOFT SUBSTRATE	-2	-2	The ground is hard, packed dirt without vegetation. The canopy of the cage is overgrown with vegetation providing too much shade for plants to grow inside.
ALLOWS FOR S.S. BEHAVIOR	-1	-1	Too small, hard, no vegetation or nesting materials, does not allow for species-typical raccoon behaviors.
FLAT, NO VARIATION	-1	-1	Flat ground without variation. Would be acceptable if proper attention had been given to the development of more arboreal-type living space.
SIGNIFICANT FLOODING	-1		
FEATURES & FURNITURE	5	0	
NO S.S. FURNITURE	-2	-1	Two shelves with attached branching for ladders is provided. Too minimalist to provide meaningful variation; simply brings animal up to comfortable viewing level. No sign of enrichment programming.
ENOUGH FOR GROUP	-2	-1	Only shelving, no enrichment
DESIGN	-1	-1	Too minimalist to provide meaningful variation.
LOCATION	-1	-1	
REPLACEMENT	-1	-1	
EASE OF REPLACEMENT	-1		
SHELTER	5	0	No shelter observed.
AVAILABLE	-2		
EFFECTIVENESS	-1		
SHELTER ACCESS	-1		
ENOUGH FOR ALL	-1		
BEDDING/SOFT SUBSTRATE	-1		
PRIVACY	2	0	
PUBLIC VIEW/CAGE MATES	-2	-2	Raccoons cannot get out of public view. Might be able to hide behind overgrown vegetation but not after canopy foliage drops.
ENOUGH FOR ALL	-1		
360° VIEWING	-1		
ENVIRONMENT: OUTDOOR	5	2	
S.S. CLIMATE	-1		

VARIED TOPOGRAPHY	-1	-1	No varied topography. Simply a rectangular cage.
NOISE	-1	-1	Cannot get away from noisy public.
GARBAGE/FECES	-1		
POTABLE WATER	-1	-1	No potable water observed. Could be hidden out of view.
ENVIRONMENT: INDOOR	5		
S.S. ENVIRONMENT	-2		
VARIED TOPOGRAPHY	-1		
NOISE	-1		
GARBAGE/FECES	-1		
POTABLE WATER	-1		
SAFETY	3	3	
BARRIER CAN CONTAIN IND.(S)	-2		
DEFECTS IN EXHIBIT	-1		
PUBLIC BARRIER	-1		
GATES/DOORS LOCKED	-1		
DOUBLE DOOR ENTRY	-1		
SHIFT AREAS	-1		
SIGNAGE	2	0	
1 OR > EXPLANATORY SIGN(S)	-2		
PROMINENT LOCATION	-1		
ACCURATE INFO.	-1		
TOTAL SCORE	50	11	FAIL

BARBARY APE

CHARACTERISTIC	SCORE		COMMENTS
	POSSIBLE	ACTUAL	
APPEARANCE	5	3	
UNHEALTHY, INJURY	-2		
REQUIRE GROOMING	-2		
FUR/FEATHER/SKIN CONDITION	-1	-1	Coat is lackluster, indicating possible welfare issues
BODY WT. INAPPROPRIATE	-1	-1	Overweight and does not seem to have enough lean body mass to carry fat (i.e., macaque is flabby).
BEHAVIOR	5	3	Animal sitting up inside nestbox doorway, as this was the only shade in the cage. But macaque alert and watching public.
ABNORMAL BEHAVIOR	-2	-1.	It is abnormal for a single macaque to be sitting by itself without benefit of a social group
PERFORMANCES	-2		
S.S. GROUPING	-1	-1	Single male living alone. They are gregarious in the wild forming strong social bonds.
WITHDRAWN	-1		

PUBLIC FEEDING	-1		
SPACE	10	2	
ALLOWS NORMAL MOVEMENT	-4	-2	Cage is square, uninteresting and too small to allow for normal arboreal and ground behaviors.
FIGHT OR FLIGHT RESPONSE	-4	-2	The macaque can enter the next box if afraid, but has no other place to retreat to.
VERTICAL SPACE USE	-2	-2	No significant arboreal/vertical space.
OVERCROWDED	-2	-2	Cage is too small for normal behavior of one animal, such as moving from rooting site to rooting site searching for foods.
BARRIER	3	1	
MAINTENANCE	-2	-1	Rusty fencing in places.
SAFE FOR ANIMALS	-1	-1	Rusty fencing posing a potential health hazard for macaque.
HOT WIRES, PRIMARY BARRIER	-1		
SUBSTRATE	5	2	
< 25% SOFT SUBSTRATE	-2	-1	Hard packed dirt with some vegetation growing in it.
ALLOWS FOR S.S. BEHAVIOR	-1	-1	Not large, soft or varied enough to allow macaque to root for insects and other foods. No natural growing vegetation long enough to hide behind or to use as nesting material.
FLAT, NO VARIATION	-1	-1	Flat cage-like.
SIGNIFICANT FLOODING	-1		
FEATURES & FURNITURE	5	0	
NO S.S. FURNITURE	-2	-2	Poor attempt at providing vertical space use by crossing two large branches. No enrichment programming.
ENOUGH FOR GROUP	-2	-2	Not enough for one. No enrichment programming.
DESIGN	-1	-1	Extremely minimalist.
LOCATION	-1	-1	
REPLACEMENT	-1	-1	
EASE OF REPLACEMENT	-1		
SHELTER	5	0	Shelter inappropriate for winter use.
AVAILABLE	-2	-1	Has one small nestbox.
EFFECTIVENESS	-1	-1	Does not provide shelter from south facing sun or weather. Not at all appropriate for winter use.
SHELTER ACCESS	-1	-1	Access faces public view, therefore if macaque wants to be out of sight, he must cram himself into the western portion of nest box.
ENOUGH FOR ALL	-1	-1	Inappropriate for one.
BEDDING/SOFT SUBSTRATE	-1	-1	No substrate observed.
PRIVACY	2	0	
PUBLIC VIEW/CAGE MATES	-2	-2	Cannot be out of public view unless macaque crams himself into western portion of nest box.
ENOUGH FOR ALL	-1		
360° VIEWING	-1		
ENVIRONMENT: OUTDOOR	5	1	

S.S. CLIMATE	-1	-1	Although they are hardy, these macaques require proper housing to survive comfortably through the Ontario winter.
VARIED TOPOGRAPHY	-1	-1	Flat ground.
NOISE	-1	-1	Cannot get away from public and farm machinery noises.
GARBAGE/FECES	-1		
POTABLE WATER	-1	-1	No potable water observed, only dirty water dish. Too little water for macaque to bathe, cool off and drink.
ENVIRONMENT: INDOOR	5		
S.S. ENVIRONMENT	-2		
VARIED TOPOGRAPHY	-1		
NOISE	-1		
GARBAGE/FECES	-1		
POTABLE WATER	-1		
SAFETY	3	0	
BARRIER CAN CONTAIN IND.(S)	-2	-1	The mesh is rusty and macaques have been known to undo fine gauge mesh, especially when it is poorly maintained.
DEFECTS IN EXHIBIT	-1		
PUBLIC BARRIER	-1		
GATES/DOORS LOCKED	-1		
DOUBLE DOOR ENTRY	-1	-1	No double door entry. Macaques can be dangerous if they escape. There should be a double door entry.
SHIFT AREAS	-1	-1	It is assumed that the nest box is the 'shift area'. The nest box is too small to be locked into during exhibit cleaning and renovations. Such a practice would be stressful.
SIGNAGE	2	0	
1 OR > EXPLANATORY SIGN(S)	-2	-2	One sign that reads 'Barbary Ape'
PROMINENT LOCATION	-1		
ACCURATE INFO.	-1		
TOTAL SCORE	50	12	FAIL

COUGAR

CHARACTERISTIC	SCORE		COMMENTS
	POSSIBLE	ACTUAL	
APPEARANCE	5	5	Cats were not observed. Owner indicated that two animals were in this exhibit.
UNHEALTHY, INJURY	-2		
REQUIRE GROOMING	-2		
FUR/FEATHER/SKIN CONDITION	-1		
BODY WT. INAPPROPRIATE	-1		
BEHAVIOR	5	4	Cats were not observed because they were inside the nest box to get out of the sun.

ABNORMAL BEHAVIOR	-2		
PERFORMANCES	-2		
S.S. GROUPING	-1	-1	Two adult cougars living together. Solitary in the wild. Considering the substandard environment, two cougars may feel more secure together.
WITHDRAWN	-1		
PUBLIC FEEDING	-1		
SPACE	10	0	
ALLOWS NORMAL MOVEMENT	-4	-4	The cage is too small for two adult cougars to display species-typical cougar behaviors.
FIGHT OR FLIGHT RESPONSE	-4	-4	Cats can only escape the public by staying inside the nest box. In order for both cats to take advantage of this at the same time they must be able to get along at all times.
VERTICAL SPACE USE	-2	-2	A single aging platform is the only apparatus available to facilitate vertical space use. This is insufficient for two cats.
OVERCROWDED	-2	-2	This exhibit is too small for even one adult cougar to express normal behaviors and movements.
BARRIER	3	3	
MAINTENANCE	-2		
SAFE FOR ANIMALS	-1		
HOT WIRES, PRIMARY BARRIER	-1		
SUBSTRATE	5	1	
< 25% SOFT SUBSTRATE	-2	-2	Hard packed dirt with little vegetation.
ALLOWS FOR S.S. BEHAVIOR	-1	-1	Does not allow for nesting building, hiding, coat-cleaning. No pool.
FLAT, NO VARIATION	-1	-1	Flat cage-like
SIGNIFICANT FLOODING	-1		
FEATURES & FURNITURE	5	0	
NO S.S. FURNITURE	-2	-2	One aging platform which is substandard and ineffective for long distance viewing. No enrichment programming.
ENOUGH FOR GROUP	-2	-2	One platform. No other furniture. No enrichment programming.
DESIGN	-1	-1	Poorly designed, little no effort went into species specific design.
LOCATION	-1		
REPLACEMENT	-1		
EASE OF REPLACEMENT	-1		
SHELTER	5	1	
AVAILABLE	-2	-1	Only one shelter available. Cats must get along at all times in order for both to use.
EFFECTIVENESS	-1	-1	Ineffective since cats do not always care to use at the same time.
SHELTER ACCESS	-1		
ENOUGH FOR ALL	-1	-1	Need two shelters.
BEDDING/SOFT SUBSTRATE	-1	-1	No bedding observed.

PRIVACY	2	0	
PUBLIC VIEW/CAGE MATES	-2	-1	Cats can only get away from public view if they enter shelter. Can only get away from each other if one goes into shelter. If dominant animal wishes to exert dominance, subordinate has no place to go.
ENOUGH FOR ALL	-1	-1	Only one shelter to serve one cat at a time.
360° VIEWING	-1		
ENVIRONMENT: OUTDOOR	5	2	
S.S. CLIMATE	-1		
VARIED TOPOGRAPHY	-1	-1	No variation in topography, flat barren
NOISE	-1	-1	Cannot get away from noise of public.
GARBAGE/FECES	-1		
POTABLE WATER	-1	-1	No potable water observed.
ENVIRONMENT: INDOOR	5		
S.S. ENVIRONMENT	-2		
VARIED TOPOGRAPHY	-1		
NOISE	-1		
GARBAGE/FECES	-1		
POTABLE WATER	-1		
SAFETY	3	1	
BARRIER CAN CONTAIN IND.(S)	-2	-1	There was no evidence of underground fencing to keep the cats from digging their way out.
DEFECTS IN EXHIBIT	-1		
PUBLIC BARRIER	-1		
GATES/DOORS LOCKED	-1		
DOUBLE DOOR ENTRY	-1	-1	No double door entry.
SHIFT AREAS	-1	-1	No shift area. Shelter likely acts as shift area unless staff go in with cats. Shelter is too small to lock cats into during cage cleaning and renovation. No ventilation apparent in shelter with door closed.
SIGNAGE	2	0	One sign that reads 'Cougar'
1 OR > EXPLANATORY SIGN(S)	-2		
PROMINENT LOCATION	-1		
ACCURATE INFO.	-1		
TOTAL SCORE	50	17	FAIL

CONCLUSIONS

The results of this investigation clearly demonstrate that there are unresolved animal welfare and human safety issues in Ontario's zoos.

Two of the zoos profiled in this report were found to be grossly substandard requiring major refurbishment or closure. Six exhibits in each facility were reviewed and all received a failing grade. The remaining zoo saw one half of their exhibits fail, so there is clearly room for improvement.

Some of the key problems identified during this investigation included:

1. Animals that appear physically compromised and/or psychologically damaged.
2. Undersized, badly constructed, poorly designed cages and enclosures.
3. Inappropriate substrates (floor surfaces).
4. Lack of adequate shelter and privacy.
5. Lack of structural enhancements, furnishings and/or enrichment programming.
6. Poor signage.
7. Inadequate safety and security measures.

Many of these problems were identified in previous reports by Zoocheck Canada and other animal protection groups in past years.

No Protection for Captive Wildlife

There are few rules governing the operation of zoos and other kinds of captive wildlife displays in Ontario. This lack of regulation has resulted in a proliferation of zoos and zoo-type exhibits in the province.

The only requirement at present for keeping native wildlife in zoos and other public display facilities is a license from the Ontario Ministry of Natural Resources (OMNR). Anyone keeping "specially protected and game wildlife," as defined in the *Fish and Wildlife Conservation Act*, needs to obtain a license. There are several conditions attached to the license, including three general welfare conditions, that presumably must be satisfied before a license is issued. The welfare conditions are:

1. Animal enclosures in which animals are on public display should be of a size which enables the animals to:
 - a) exercise natural behaviours to facilitate public education and interpretation;
 - b) achieve a distance from the public and other specimens at which the animals are not psychologically or physically stressed;
 - c) achieve a full range of body movements and physical movements normally performed.

Clearly, many of the native wild animals described in this report, as well as others described in previous reports, are not able to "exercise natural behaviours," "achieve a distance from the public or other animals at which the animals are not psychologically or physically stressed" or "achieve a full range of body movements and physical movements normally performed." Why then is the OMNR issuing licenses, and in effect sanctioning, these facilities?

In July 2006, the World Society for the Protection of Animals lodged several complaints about the housing and care of native wild animals in four Ontario zoos, including Lickety Split Ranch and Zoo. All of these zoos were identified during past Zoocheck investigations as being severely problematic. The OMNR, after inspecting each premises, stated that there were "no violations of the current condition relating to animal enclosures."

Clearly, something is wrong. If the OMNR does not recognize obvious, gross deficiencies in some of Canada's poorest zoos, what hope is there for all of the other animals housed across the province.

Exotic Animals Unregulated

Exotic wildlife species are not regulated in Ontario. Virtually anyone can acquire exotic wild animals, house them however they wish and then open up for public viewing. There are no laws or regulations requiring zoos to have expertise or experience in wild animal care, the financial resources to properly operate a zoo or an ability to conduct their business in a humane and safe manner.

There are two pieces of legislation that can, in certain limited circumstances, impact on the keeping of wildlife in captivity in Ontario. They are the federal Cruelty to Animals provisions of the Criminal Code of Canada and the provincial Ontario Society for the Prevention of Cruelty to Animals (OSPCA) Act. Unfortunately, both are insufficient to deal with the many problems associated with the keeping of wildlife in captivity. Specifically, they do not control the proliferation of zoos and other kinds of captive wild animal displays and they do not contain standards that address the biological and behavioural needs of captive animals.

Recommendation

The Province of Ontario should implement and administer a comprehensive zoo regulatory program that requires anyone holding native and/or exotic wild animals in captivity to obtain a license and to satisfy a series of conditions regarding their knowledge, experience, financial abilities, wild animal housing and management practices, safety procedures and other relevant issues. Licenses should be issued annually and only after an inspection of the premises to be licensed is conducted. The regulatory program should include the ability to conduct special inspections, penalties for non-compliance and provisions for license revocation.

A draft document entitled *Minimum Standards for Zoos in Ontario* was completed by the Ministry of Natural Resources in July 2001. If implemented and enforced, these standards would rectify many of Ontario's substantive wildlife in captivity problems. To date, the Ontario government has not acted.