

Supplementary

Biological and Management-Related Predictors of Reproductive Success in North American Ex Situ Asian Small-Clawed Otters (*Aonyx cinereus*)

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Brief ASCO Follow-Up Survey

Please complete this survey and email it back as an attachment to Monica McDonald at contraception@stlzoo.org by September 1, 2019.

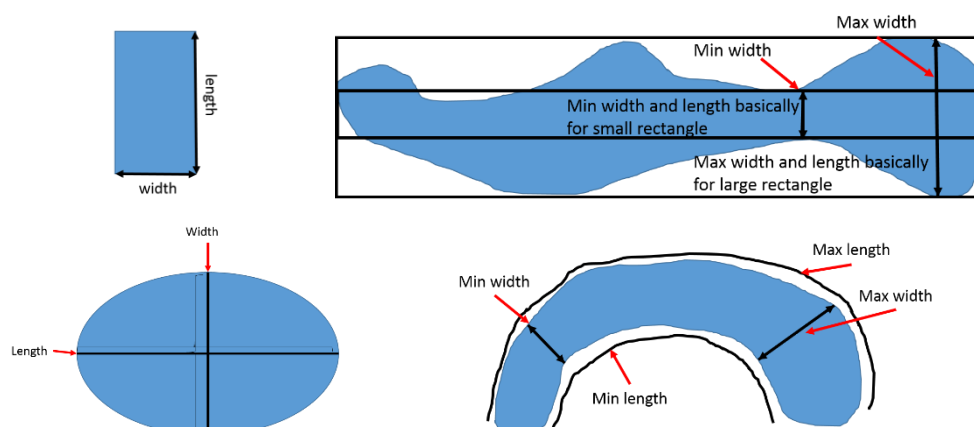
Name of Person filling out the survey: _____
Email: _____ Phone: _____
Institution Name: _____

WATER DEPTH AND WATER AREA

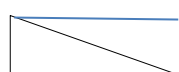
Please answer the questions below *for every water pool* that the ASCO *regularly* have access to (both on and off exhibit) (more than 2 times/week). **DO NOT** count rivers, streams, or waterfall features that are less than 2ft deep.

If possible, please provide the dimensions of your pools (and living spaces) based upon blueprints, as well volume of water used in the pools. If blueprints, etc., are not available, please measure your min and max pool dimensions based upon the examples below.

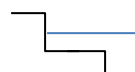
Pool shape examples: Use these examples to help understand where to measure for the requested min and max measurements for each pool below. *Note, if your pool is exactly rectangular or oval, your min and max widths and min and max lengths will be the same. Also, we understand that measuring curves can be difficult; do the best you can with a tape measure.*



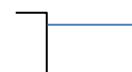
Type of pool entry: Please use these three pool entry style examples when completing the last question for each pool below.



Gradient



Step



Drop-off

Pool 1 (in feet): max depth _____ft; max length _____ft; min length _____ft;
max width _____ft; min width _____ft
Can this pool be best characterized as circular or square/rectangle-shaped?

What is the volume of water used (gallons) for this pool (if known)? -

This pool can be characterized as having which type of entry shown above?

Pool 2 (in feet): max depth _____ft; max length _____ft; min length _____ft;
max width _____ft; min width _____ft
Can this pool be best characterized as circular or square/rectangle-shaped?

What is the volume of water used (gallons) for this pool (if known)? -

This pool can be characterized as having which type of entry shown above?

Pool 3 (in feet): max depth _____ft; max length _____ft; min length _____ft;
max width _____ft; min width _____ft
Can this pool be best characterized as circular or square/rectangle-shaped?

What is the volume of water used (gallons) for this pool (if known)? -

This pool can be characterized as having which type of entry shown above?

Pool 4 (in feet): max depth _____ft; max length _____ft; min length _____ft;
max width _____ft; min width _____ft
Can this pool be best characterized as circular or square/rectangle-shaped?

What is the volume of water used (gallons) for this pool (if known)? -

This pool can be characterized as having which type of entry shown above?

SIZE OF ENTIRE LIVING SPACE

Please answer the questions below for every living space that the ASCO regularly have access to (both on and off exhibit) (more than 2 times/week).

Living Space 1 (in feet): max length _____ft; min length _____ft;
max width _____ft; min width _____ft
Can this living space be best characterized as circular or square/rectangle-shaped?

Does this living space have any vertical features that would increase their useable land space by more than 20%? **Yes / No**

If yes, please explain:

Is this a mixed-species exhibit (e.g. otter and another species are always housed together)? **Yes/No**

If yes, what other species is housed here? _____

Is this a rotational exhibit (e.g. otter and another species share the space, but never at the same time)? **Yes/No**

If yes, what other species is housed here? _____

Living Space 2 (in feet): max length _____ ft; min length _____ ft;
 max width _____ ft; min width _____ ft
 Can this living space be best characterized as circular or square/rectangle-shaped?

Does this living space have any vertical features that would increase their useable land space by more than 20%? **Yes / No**

If yes, please explain:

Is this a mixed-species exhibit (e.g. otter and another species are always housed together)? **Yes/No**

If yes, what other species is housed here? _____

Is this a rotational exhibit (e.g. otter and another species share the space, but never at the same time)? **Yes/No**

If yes, what other species is housed here? _____

Living Space 3 (in feet): max length _____ ft; min length _____ ft;
 max width _____ ft; min width _____ ft
 Can this living space be best characterized as circular or square/rectangle-shaped?

Does this living space have any vertical features that would increase their useable land space by more than 20%? **Yes / No**

If yes, please explain:

Is this a mixed-species exhibit (e.g. otter and another species are always housed together)? **Yes/No**

If yes, what other species is housed here? _____

Is this a rotational exhibit (e.g. otter and another species share the space, but never at the same time)? **Yes/No**

If yes, what other species is housed here? _____

Living Space 4 (in feet): max length _____ ft; min length _____ ft;
 max width _____ ft; min width _____ ft
 Can this living space be best characterized as circular or square/rectangle-shaped?

Does this living space have any vertical features that would increase their useable land space by more than 20%? **Yes / No**

If yes, please explain:

Is this a mixed-species exhibit (e.g. otter and another species are always housed together)? **Yes/No**

If yes, what other species is housed here? _____

Is this a rotational exhibit (e.g. otter and another species share the space, but never at the same time)? **Yes/No**

If yes, what other species is housed here? _____

If more than 1 pool or living space is noted, which pool(s) go with which living space (s)?
 (e.g. Pool 1 is in Living Space 1 OR Pool 1 & 2 are in Living Space 1)
