

Hippo, Peccary, Pig and Tapir TAG

2022 Ungulate TAG Update

WOODLAND PARK ZOO SAVES ANIMALS AND THEIR HABITATS THROUGH CONSERVATION LEADERSHIP AND ENGAGING EXPERIENCES, INSPIRING PEOPLE TO LEARN, CARE AND ACT.

ZOO.ORG

TAG Leadership

WOODLAND PARK ZOO

TAG Chair Martin Ramirez,

Woodland Park Zoo

Vice Chair RoxAnna Breitigan

Living Desert

Vice Chair Frank Camacho

Africams Zoo

Secretary Dawn Petefish

Peoria Zoo



TAG Steering Committee



Ashley Arimborgo Cheyenne Mtn Zoo

John Davis Riverbanks Zoo

Joe Forys Audubon Zoo

Christina Gorsuch Cincinnati Zoo

Lisa Smith Buffalo Zoo

John Register Houston Zoo

J T Svoke Zoo Miami

Tom Ness Minnesota Zoo

Jonathon Hankins Nashville Zoo

Christie Eddie Omaha's Henry Doorly Zoo

Adam Ramsey Reid Park Zoo



In appreciation of their service



Program Leaders John Davis

Matt James

Steering Committee Don Goff



TAG Regional Collection Plan



Three Year Action Plan 2021-2024

- Strengthen partnerships with the newly merged tapir stakeholders and create a
 process for maximizing the strengths of the TAGs steering committee members and
 advisors. Hold re-elections for half of steering committee members in 2022.
- Partner with ungulate TAGs to develop Animal Care Manuals and breeding protocols for all seven species of pigs and peccaries currently in North America.
 Develop a hippo specific Animal Care Manual. Partner with new Hippo Program Leader to develop an outline by the end of 2023
- Coordinate Advisory Group activities with those of the IUCN's Pigs, Peccaries and Hippos Specialist Group as well as the IUCN Tapir Specialist Group on behalf of hippo, pig, peccary and tapir conservation. Encourage participation to Joint TAG meetings in 2022 and 2024
- Provide resources and guidance to AZA species holders as current SSPs evolve under the new paradigm. Encourage species holders to maintain their commitment to the program regardless of its designation.
- Partner with Zoo and Aquarium All Hazards Partnerships staff to develop tool kits for emergent disease concerns such as African Swine Fever and SARS as well as other relevant medical concerns



Historical Trends for TAG Species



Data from Wild Pig, Peccary and Hippo TAG	2008 survey	2008 actual	2008 Target Population	2014 survey	2014 actual	2014 Target Population	Current AZA Holding Dec 2021 (ZIMS data)	2021 Survey Spaces Current/3yr/5y	Proposed Target Population
River Hippo Hippopotamus amphibious	88	117	101	91	87	101	77	42/50/56	65
Pygmy Hippo Choeropsis liberiensis	33	22	57	33	32	50	22(plus 72 at Rum creek)	33/34/42	150
North Sulawesi Babirusa Babyrousa celebensis	60	46	100	78	56	100	62	61/63/65	70
Red River Hog Potamochoerus porcus	163	137	190	168	241	190	131	164/153/162	160
Chacoan Peccary Catagonus wagneri	76	45	75	100	68	75	99	101/99/105	110
Visayan warty pig Sus cebifrons	124	38	75	84	76	75	45	38/36/34	40
Common Warthog Phacochoerus	176	118	53	130	97	225	93	95/108/113	110
Asian/Malayan Tapir Tapirus indicus	75	58	75	45	52	42	36(plus 13 at Rum Creek)	42/50/56	58
Baird's Tapir Tapirus bairdii	75	35	75	36	38	60	30	29/36/50	60

North Sulawesi Babirusa



23.38.1 in 19

Yellow SSP - zoo population stable

GSMP program working with Action Indonesia. All holders encouraged to support the program.

Other Regional Program Status

(ZIMS 2021)

Europe 20.25

Africa 0.0

Asia 34.36

Date of most recent plan: August 2021

Challenges that affect this program:

A management concern within the North Sulawesi Babirusa SSP is if breeding is discontinued in a reproductively successful pair, sometimes even after only one year, that pair may have a low probability of future reproductive success.



Program Leader
Joe Forys- GSMP/Studbook
Audubon Zoo

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Baird's Tapir



16.15 at 13 AZA and 5 non-AZA institutions

Red SSP - zoo population

Other Regional Program Status

(ZIMS 2021)

Europe 0.1

Africa 0.0

Asia 1.1

Date of most recent plan: November 2021

Challenges that affect this program:

- New founders needed.
- More males than females in population

Recruit at least 3 new holding institutions before next planning meeting to grow population by encouraging lowland tapir holders to phase out that species



Program Leader
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Chacoan Peccary



44.33.3 in **22** institutions

Yellow SSP - zoo population ↑

Other Regional Program Status

(ZIMS 2021)

Europe 33.26

Africa 0.0

Asia 0.0

Date of most recent plan: May 2021

What can TAG do to help program & improve sustainability?

Encourage institutions to ship out collared peccaries and replace them with Chacoan peccaries

10 Institutions, 38 collared peccary

- Hair samples needed for a study
- Requesting necropsy reports



Program Leader
Jim Haigwood – SSP

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San Diego Safari Park

Ashley Roberts –Studbook aroberts@sdzwa.org San Diego Zoo



Common Warthog



88 animals (36.51.1) @ 34 AZA institutions

Yellow SSP – AZA population declining due to exports out of the population and deaths

Breeding and Transfer Plan published March 2019; Planning again in September 2022

Other Regional Program Status

(ZIMS 2021)

Europe 42.56 Africa 0.2 Asia 1.2

Births: 2019-2021 6 (2.4) @ 3 institutions

Deaths: 2019-2021 15 (5.10) @ 12 institutions

Transfers from AZA to non-AZA: 2019-2021 15 (8.6.1) to 6 entities Challenges to this population:

- Boom or bust population: in the bust cycle right now: Most institutions will not breed unless known placement for litter
- ► Lack of holding space for offspring or post-reproductive animals no new holders coming on board
- Previous Importing and Breeding of unknown pedigree animals
- Previous Exporting of genetically and/or demographically important animals to non-AZA facilities

What can Institutions do to help Sustainability of this Program/Species

- Increase holding capacity when building new or renovating old exhibits/ spaces
- Do not import or export animals from population without recommendation from SSP coordinator



Program Leader
Lisa Smith –SSP/Studbook

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Asian (Malayan) Tapir



18.17 (35) at 15 AZA institutions.

7.7 (14) CCTU

1.1 (2) Parc Safari (Canada)

1.1 Rutledge

4 births (4.0) Jan 2021-Jan 2022

Red SSP- zoo population below target.

Other Regional Program Status

(ZIMS 2021)

Europe 24.21

Africa 0.0

Asia 47.52

Date of most recent plan: April 2022

Adding 3 new institutions in the next 1-2 years.

Challenges that affect this program:

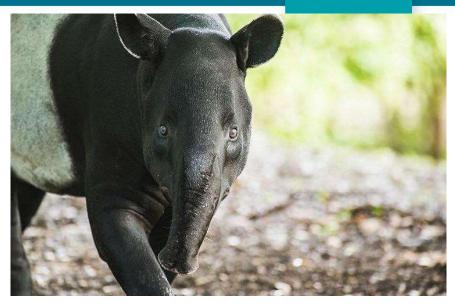
New founder animals needed

Additional spaces needed

Need to increase births

What can TAG do help program & improve sustainability?

Encourage institutions to add this species. Malayan tapir often do well in a mixed species exhibit.



Program leader

Ivy Brower- SSP/Studbook

Zoo Miami

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Pygmy Hippopotamus



32.66.9 in 13 institutions

Yellow SSP - zoo population slowly ↑

Other Regional Program Status

(ZIMS 2021)

Europe 52.75 Africa 9.9 Asia 24.37

Date of most recent plan: October 2021

The SSP recommends 13 breeding pairs. These recommendations will be good until the next breeding and transfer plan unless otherwise specified by the SSP Coordinator.

List of 9 pending new institutions with varied new exhibit timelines over the next 3 to 5 years

Challenges that adversely affect program:

- Female-biased sex ratio
- Becoming increasingly difficult to place animals in Non-AZA institutions due to individual institutional policies



Program Leader
Christie Eddie – Red SSP Coordinator
/Studbook Keeper
Omaha's Henry Doorly Zoo and
Aquarium

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Red River Hog



76.79.1 (156) in 45 AZA Institutions

137 in 10 non-AZA institutions

Likely to bring on 1 or 2 of these as Sustainability Partners

Yellow SSP - zoo population ↑

Other Regional Program Status

(ZIMS 2021)

Europe 111.109

Africa 4.1

Asia 19.11

Date of most recent plan: September 2021

Red river hogs are taking up many spaces that could be dedicated to the more endangered pig and peccary species

Easy to mix with several other species including primates

Recommendation priority will be given to institutions holding 1.2 or holding offspring for 2+ years



Program Leaders
Vacant
Currently reviewing candidates

Ali Rackley – Studbook Dallas Zoo

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River Hippopotamus



25.54 (79) at 31 institutions

Yellow SSP - zoo population stable

Vulnerable - wild population ↓

Other Regional Program Status

(ZIMS 2021)

Europe 67.116

Africa 18.24

Asia 64.72

Date of most recent plan: August 2020

What can TAG do to help program & improve sustainability?

- Maintain current population size with 3-4 births/year.
- Consider forming and breeding new pairs within existing spaces.
- New breeding facilities should be capable of holding at least two adult females per adult male and allow for separation of adult males from females and their offspring.



Program Leader
Kristen Wolfe- SSP/Studbook
Disney's Animal Kingdom
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Visayan Warty Pig



32.36 (68) in 18 institutions (14 AZA, 4 non-AZA)

Yellow SSP - zoo population stable

Other Regional Program Status

(ZIMS 2021)

Europe 83.77

Africa 0.0

Asia 27.3

Date of most recent plan: April 2019

What can TAG do to help program & improve sustainability?

Looking for more holders

San Diego Zoo has mixed them with Malayan tapir



Jacksonville Zoo and Gardens

Craig Miller – SSP Coordinator, millerc@jaxzoo.org

Vacant – Studbook Keeper
Currently accepting applications





Tapir and Suiform

TAG Chair-Beng Holst, Copenhagen Zoo TAG Vice Chair-Jörg Beckmann, Nuremberg Zoo

COLLABORATIONS

The TAG has a year-long collaboration with the following IUCN SSC SGs: Tapir SG, Hippo SG, and the Wild pig SG. All these collaborations were continued and developed further during 2020. In addition, all EEPs have close links to in situ projects for their respective species, and the Babirusa EEP is heavily involved in the globally supported Babirusa GSMP.

Red river hog	Potamochoerus porcus pictus	EEP	Wild Place	Will Walker
Warthog	Phacochoerus africanus	ESB	Flamingo Land Resort	Ross Snipp
Visayan warty pig	Sus cebifrons negrinus	EEP	Zoo Wrocław	Lidia Przybylska
Babirusa	Babyrousa babyrussa	EEP	Tiergarten der Stadt N	ü Jörg Beckmann
Chacoan peccary	Catagonus wagneri	EEP*	Tierpark Berlin-Friedric	l Maren Siebert
Pygmy hippopotamus	Choeropsis liberiensis	EEP*	Zoologischer Garten B	a: Olivier Pagan
Common hippo	Hippopotamus amphibius	EEP*	Zoologická zahrada Os	tıJan Pluháček
Malayan tapir	Tapirus indicus	EEP*	Tiergarten der Stadt N	lü Diana Koch
Lowland tapir	Tapirus terrestris	EEP	Centre d'Etudes et de	R Stephanie Jesser

IUCN Partners Newsletter





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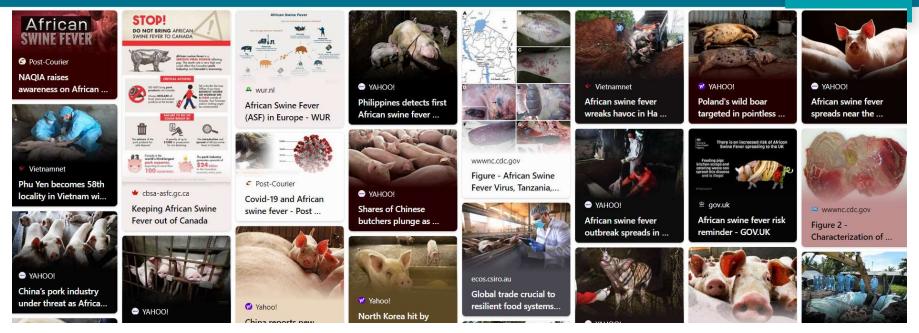
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African Swine Fever: Secure Zoo Strategy Plan
Zoo & Aquarium All Hazards Partnership
Author: Corwin Martin

https://zahp.org/



Thank You