

*The five felines of the Mayan
culture: their attributes and physical
differences*

Photographs of Jaguar, Margay, Ocelot, Jaguarundi and Puma

6 to 7:30 pm, May 26, 2022

Dr Nicholas Hellmuth

FLAAR Mesoamerica

Felines of Mesoamerica:

Southern Mexico, Guatemala,
Belize, a part of Honduras and
El Salvador

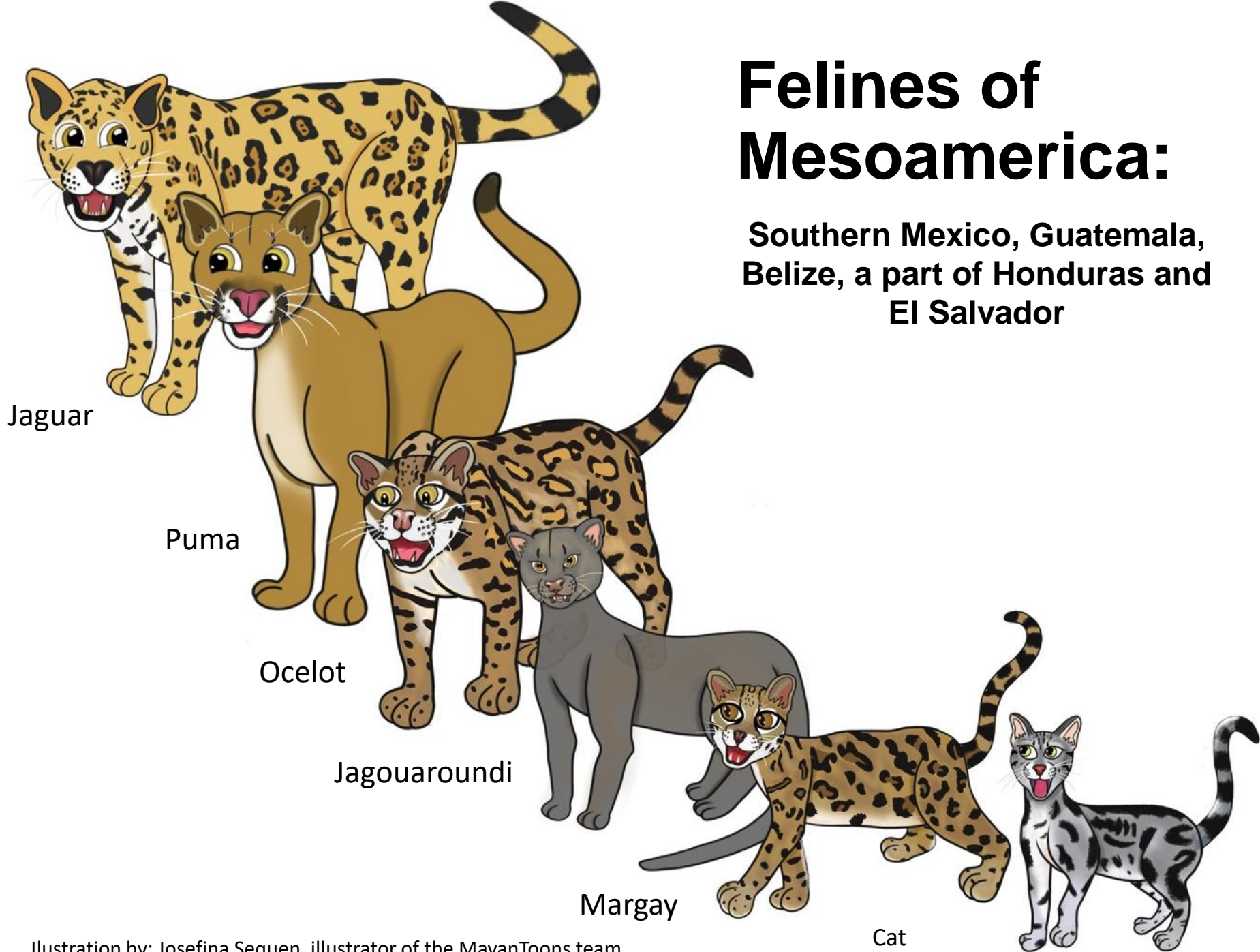


Illustration by: Josefina Sequen, illustrator of the MayanToons team.

Jaguar: white, gray, black, golden brown, however all have spots.



Illustration by: Diana Zea

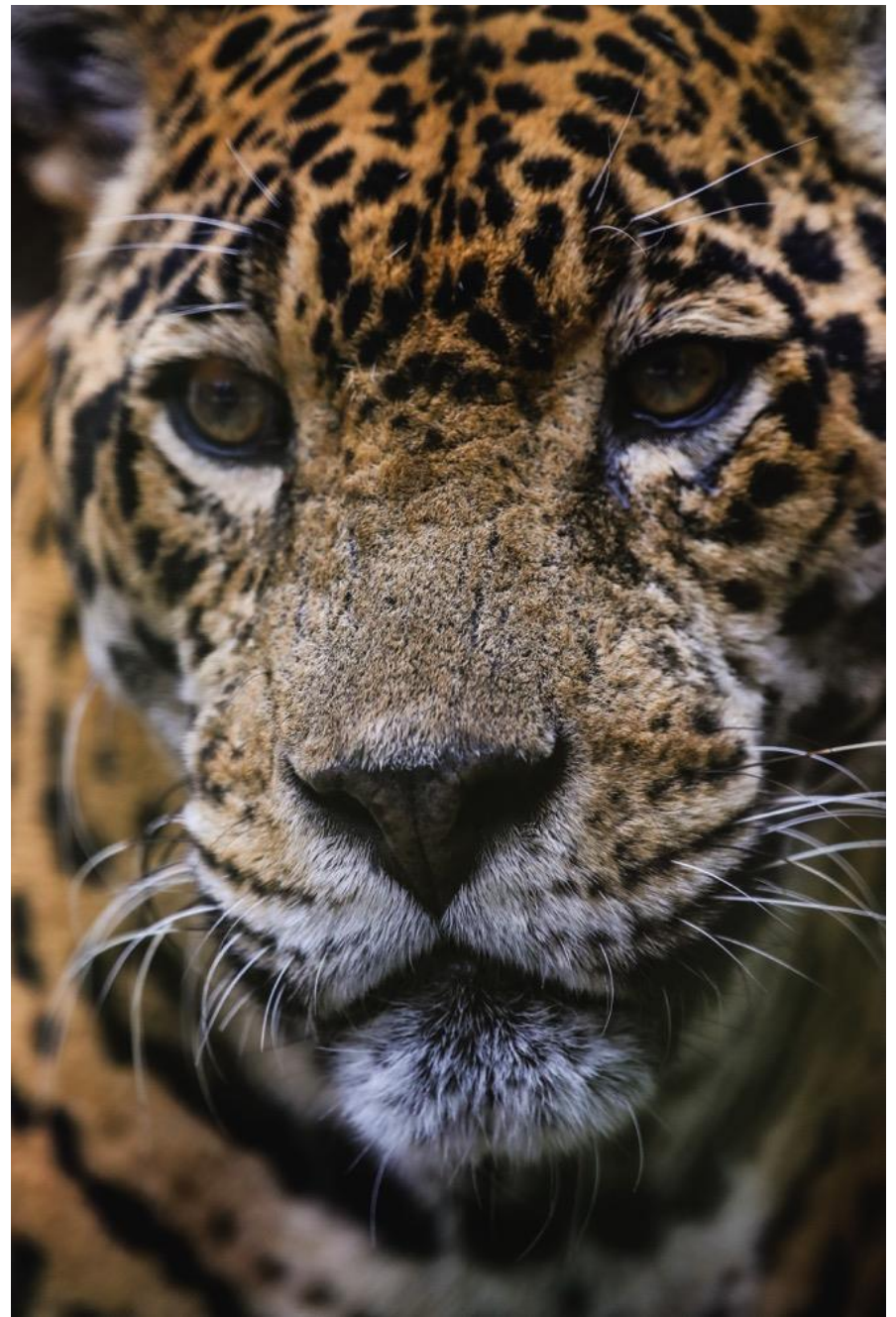


Photo by: Nicholas Hellmuth, FLAAR Mesoamérica.

Jaguar, *Panthera onca*

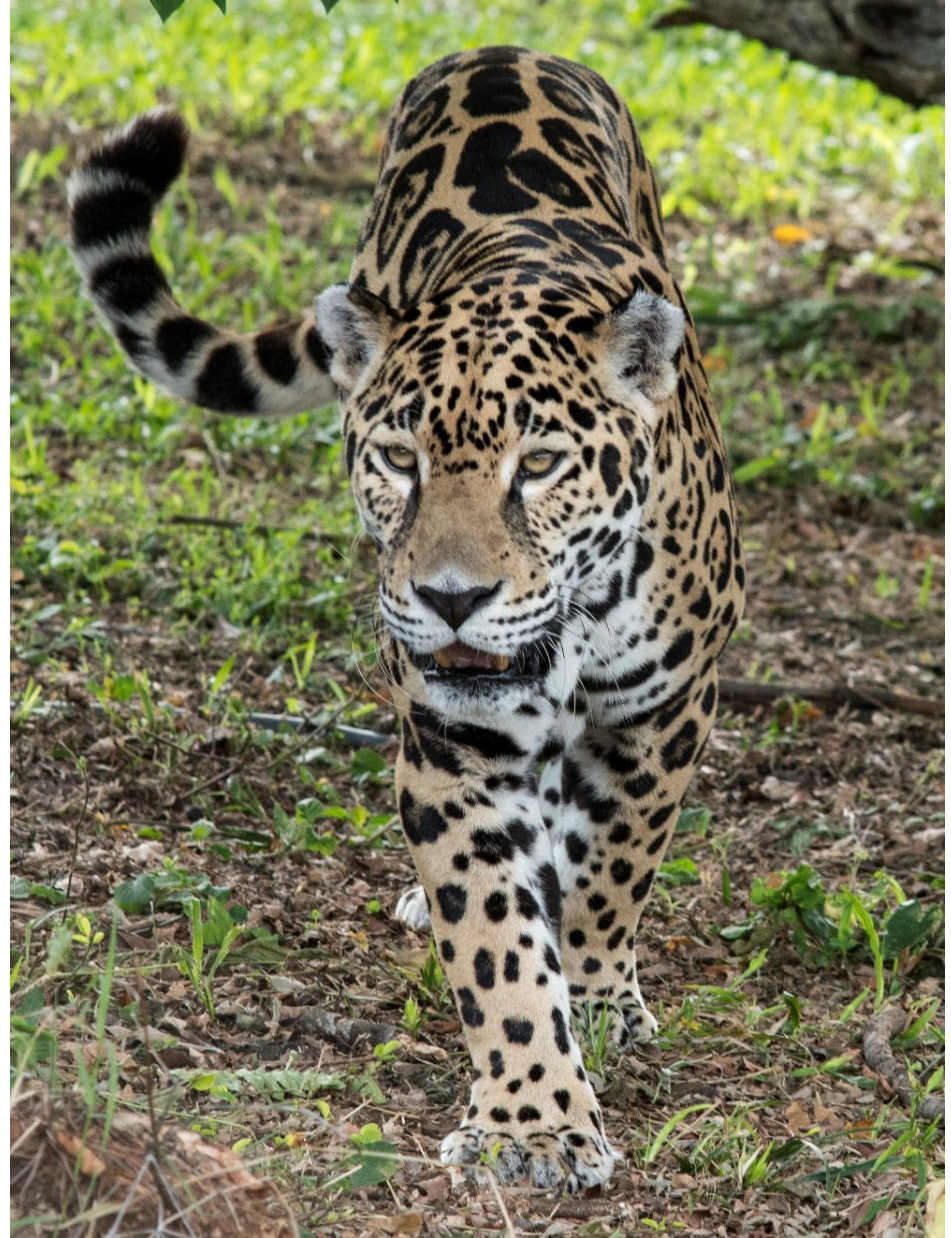


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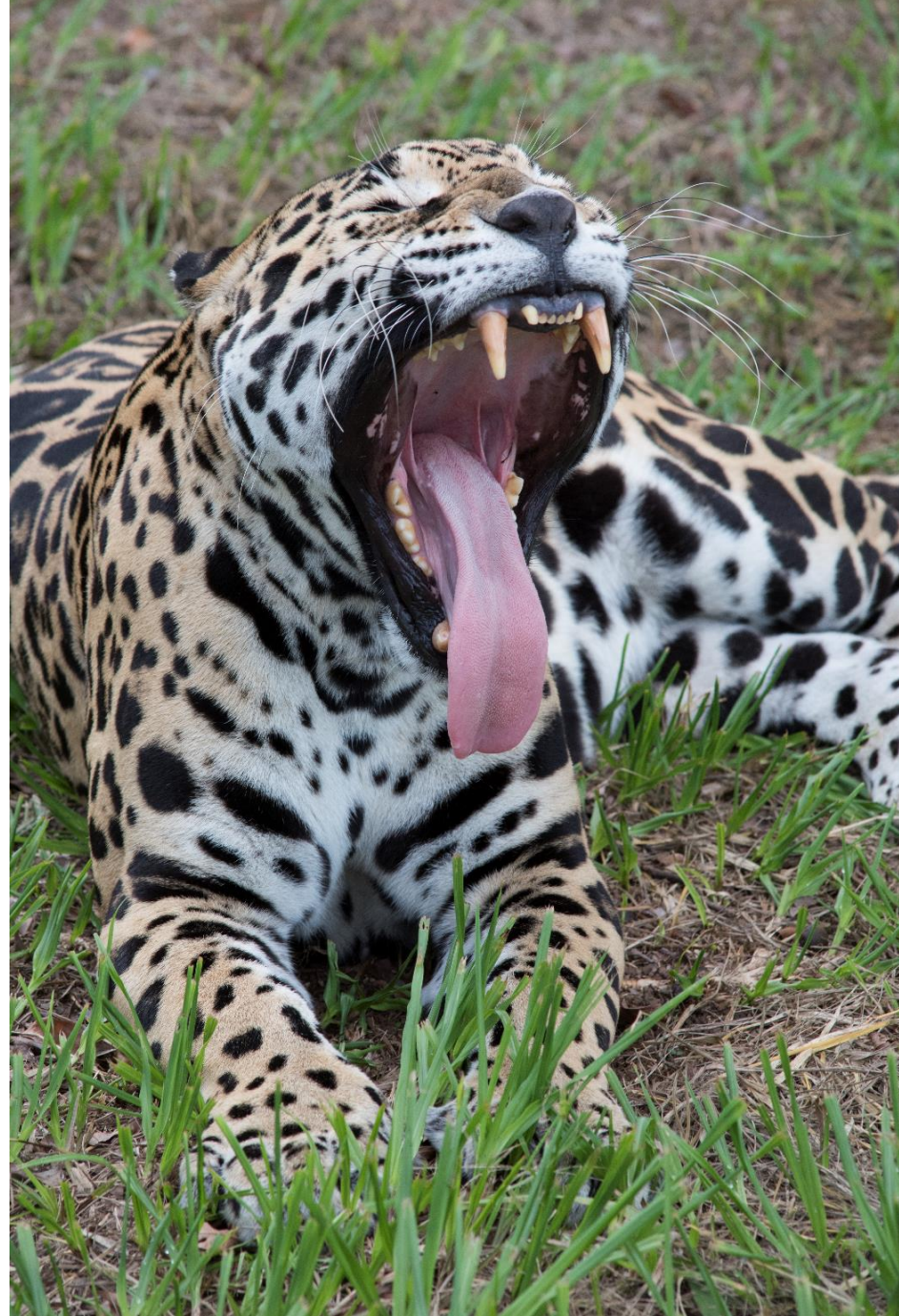


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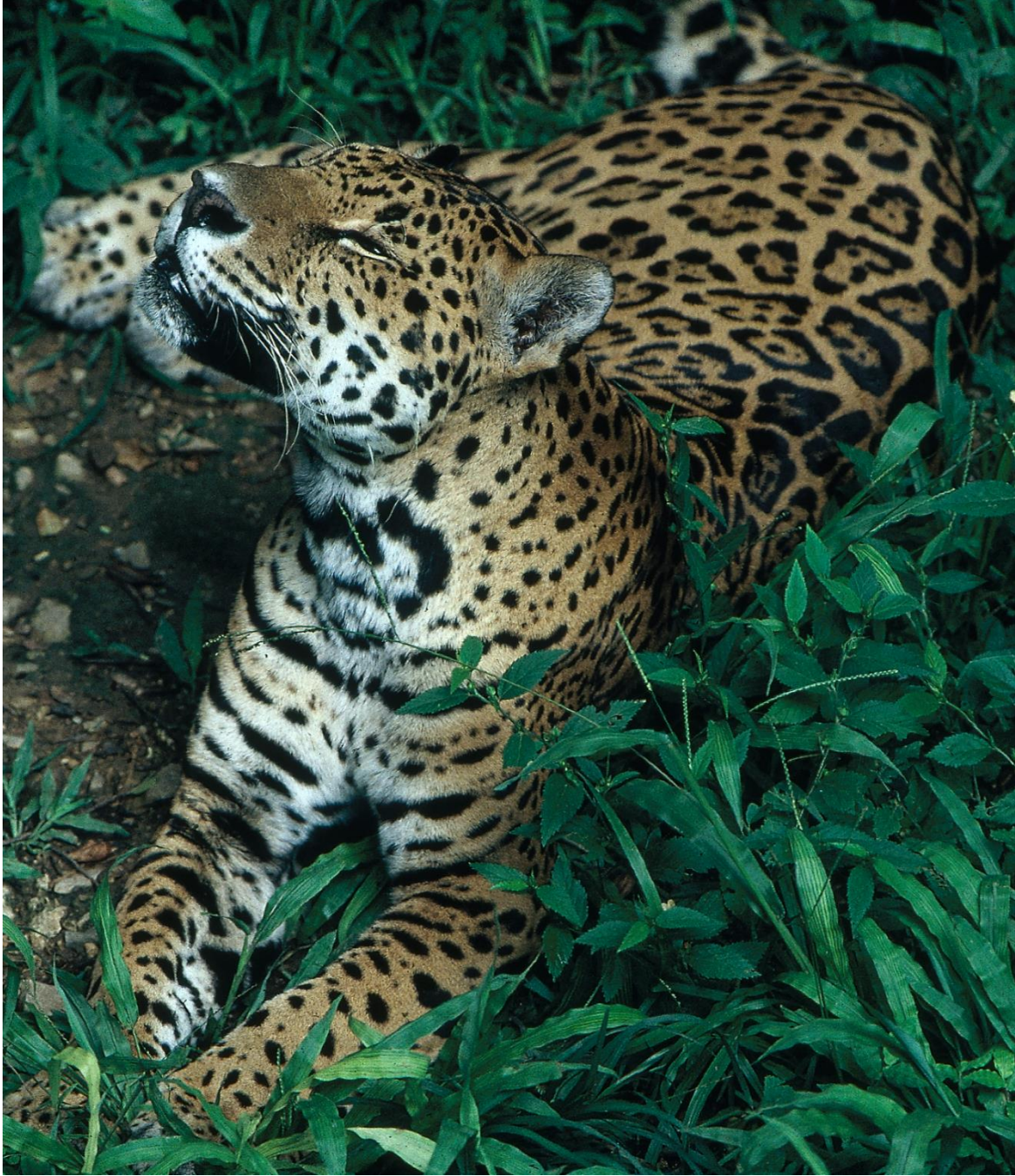


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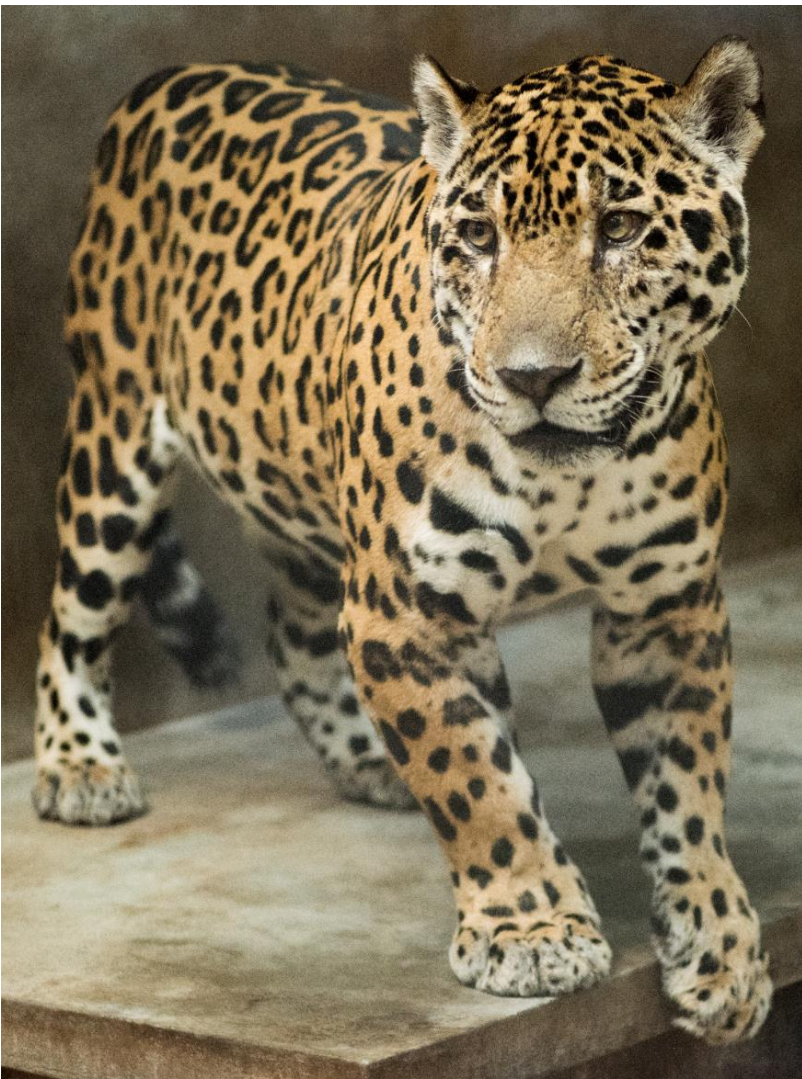


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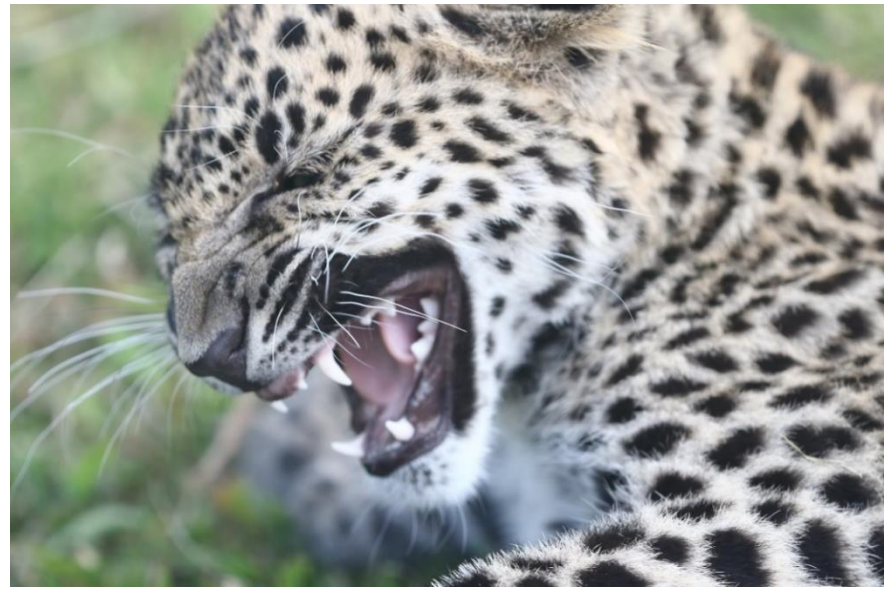


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<p>The jaguars you tend to see are yellow and tan, or golden-red tan.</p> <p>These can be called tawny colored also.</p> <p>Probably 98% of jaguars are these colors.</p>	<p>We are working at making a list of what colors of parents produce what colors of cubs.</p> <p>This will help both zoologists out in the field, and people working in zoos, to have information.</p>	
<p>A black male father jaguar with a black mother jaguar</p> <p>Can have a black baby.</p> <p>Also can have a tawny colored baby.</p>	<p>Tawny (orangeish-brown or yellowish-orange-brown) father with solid black mother</p> <p>Two cubs are both spotted but whitish</p>	<p>Same parents (tawny jaguar father with solid black mother) can also produce a relatively black cub.</p>
<p>Typical tawny colored father jaguar with a tawny color mother jaguar will obviously, normally, produce a tawny colored cub.</p>	<p>We do not yet know what kind of cubs will result from black male father jaguar + tawny jaguar colored spotted mother jaguar ???</p>	<p>A jaguar specialist , A. Lopez, working in Latin America, has found a “pseudo-melanistic jaguar that had dark black rosettes on a dark brown background.”</p>



Some jaguars of Guatemala are black; others are gray; very rarely are white.

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Melanism in Jaguars

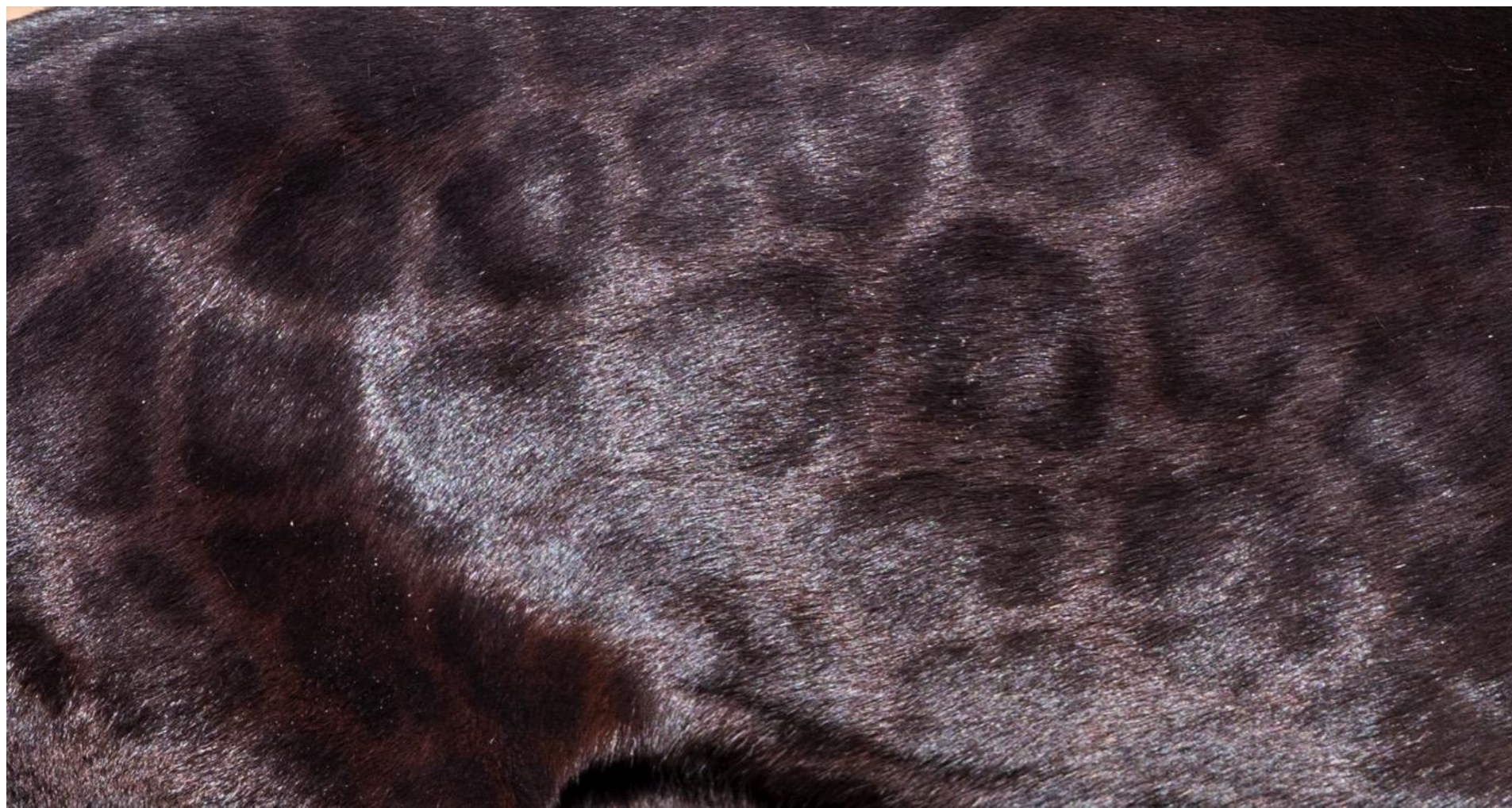


Photo by : Nicholas Hellmuth, FLAAR Mesoamérica.

jaguar coloring



Illustration by: Josefina Sequen, illustrator of the MayanToons team.

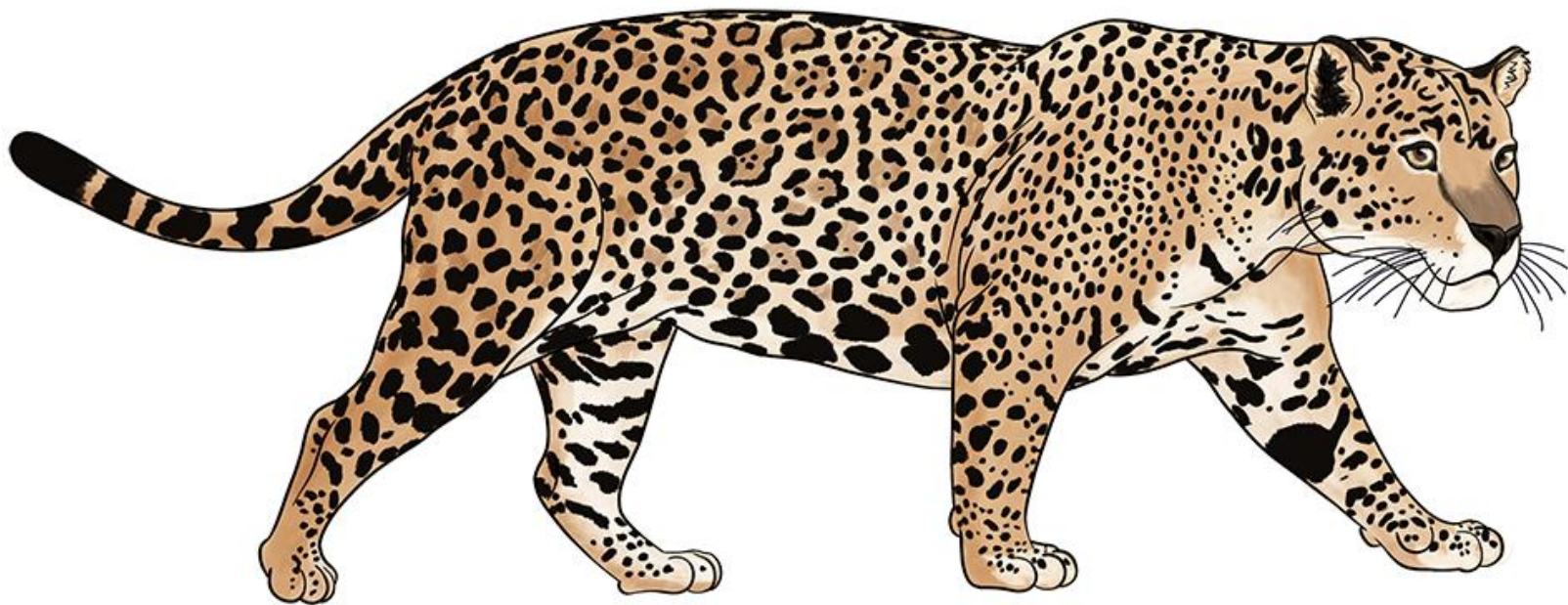


Illustration by: Josefina Sequen, illustrator of the MayanToons team.

Jaguars, *Panthera onca*



Illustration by: Melani Quiñonez, illustrator of the MayanToons team.



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Illustration by: Josefina Sequen , illustrator of the MayanToons team.



Photo by: Nicholas Hellmuth, FLAAR Mesoamérica.



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Ocelots: Most margays are standard colors.



Photo by: Nicholas Hellmuth, FLAAR Mesoamérica.

Ocelot, *Leopardus pardalis*



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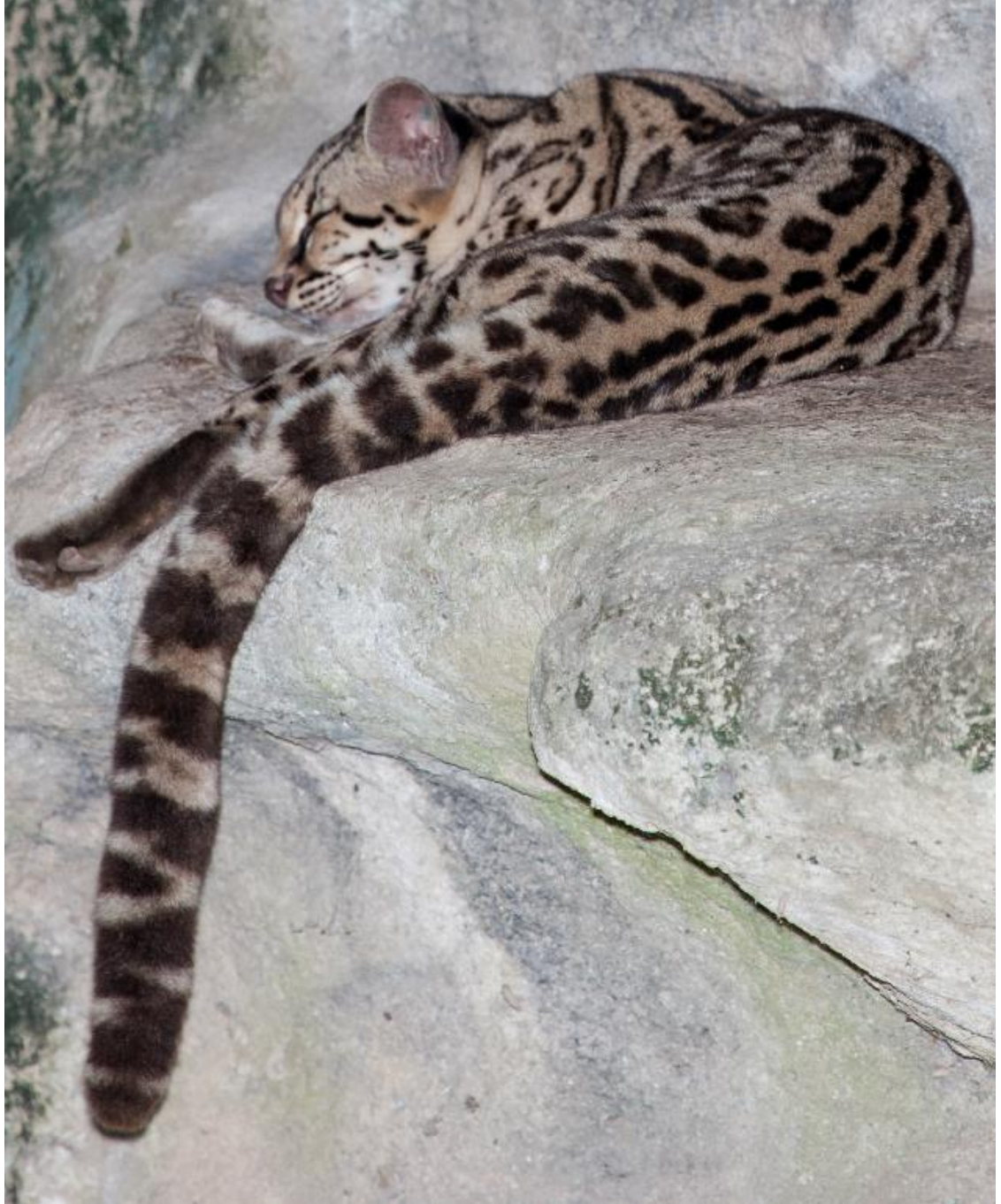
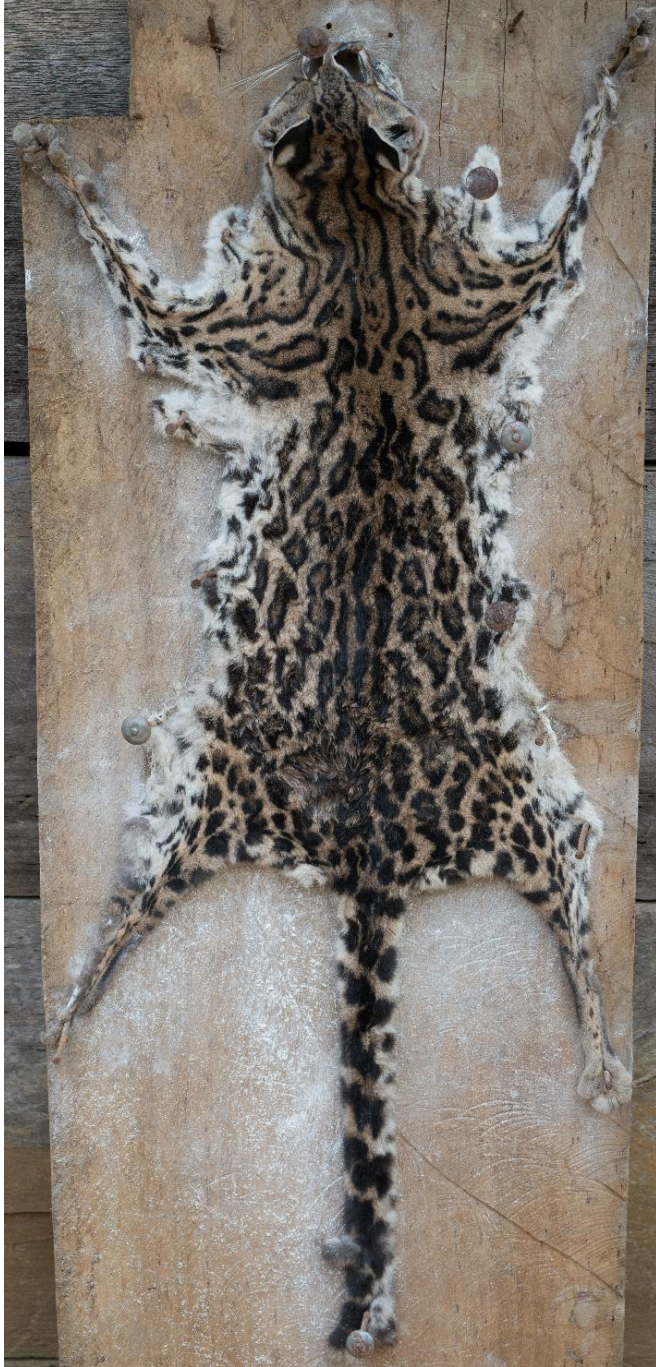


Photo by: Nicholas Hellmuth, FLAAR Mesoamérica.

Ocelot, *Leopardus pardali*

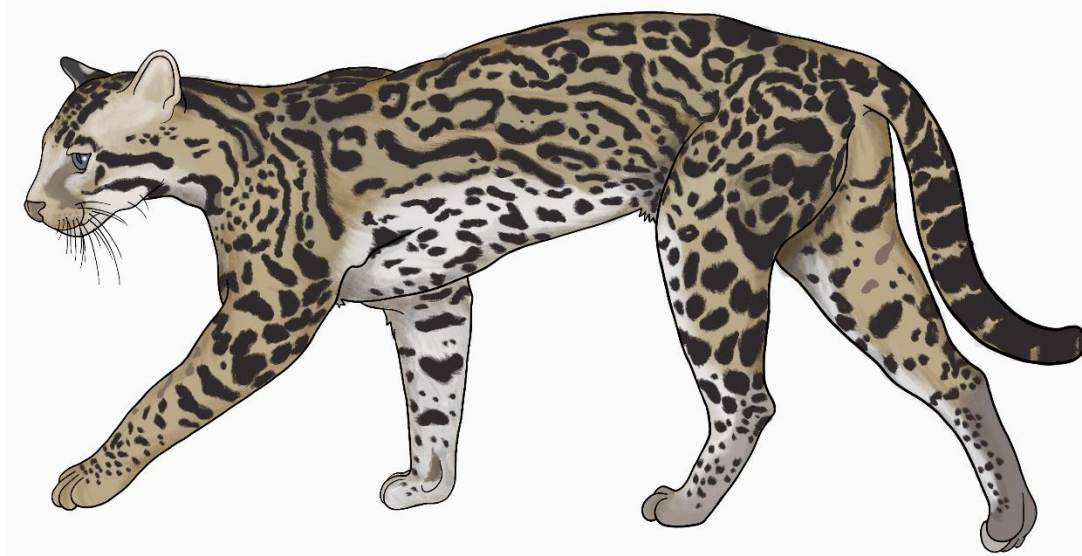


Illustration by: Melani Quiñonez and Josefina Sequen, illustrator of the MayanToons team.



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Margay – Most margays are standard colors.



Photo by: Nicholas Hellmuth, FLAAR Mesoamérica.

Margay, *Leopardus wiedii*



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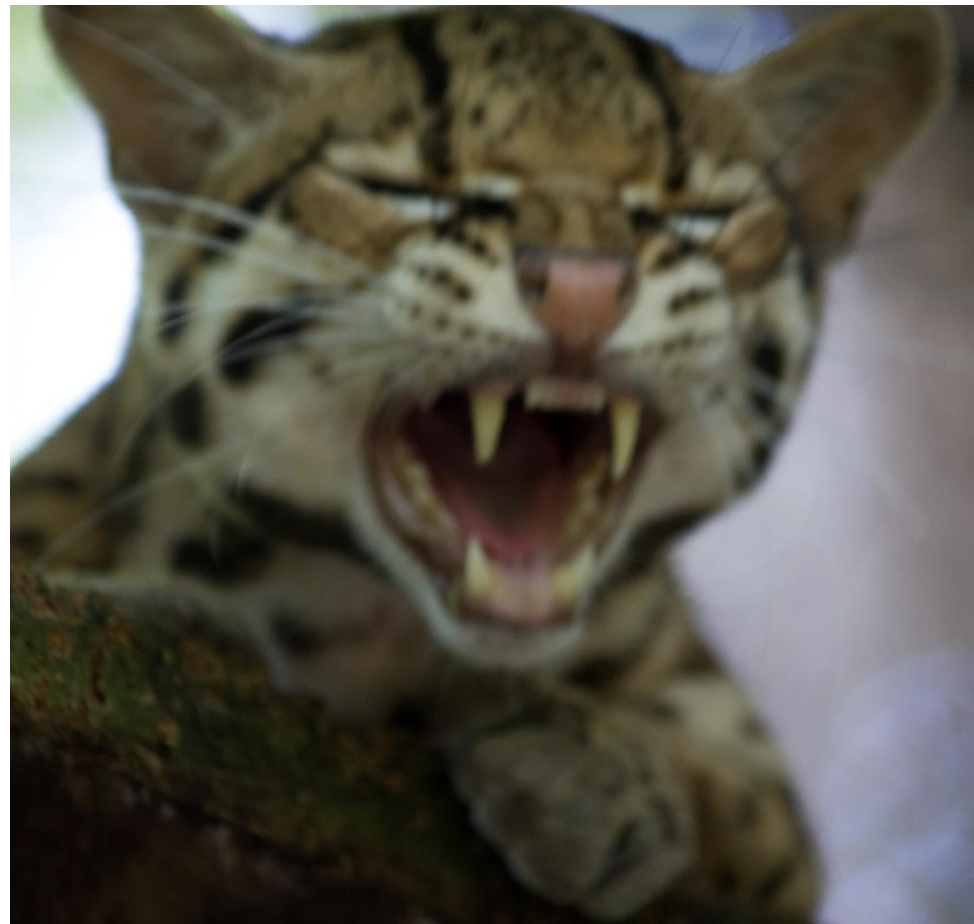


Photo by: Nicholas Hellmuth, FLAAR Mesoamérica.

Margay, *Leopardus wiedii*



Illustration by: Diana Cruz, illustrator of the MayanToons team.



Illustration by: Josefina Sequen, illustrator of the MayanToons team.



Illustration by: Josefina Sequen, illustrator of the MayanToons team.

Felines of Mesoamerica:
coloration of adults

Jaguarundi:
gray, brown, gold,
reddish breast.

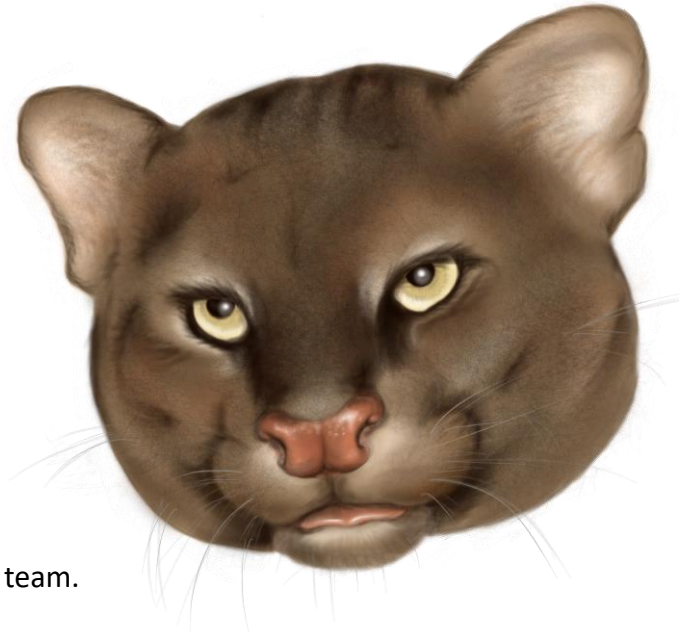


Illustration by: Josefina Sequen and Diana Zea, illustrator of the MayanToons team.

Jaguarundi, *Herpailurus yagouaroundi*



Photo by: Nicholas Hellmuth, FLAAR Mesoamérica.



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Jaguarundi, *Herpailurus yagouaroundi*

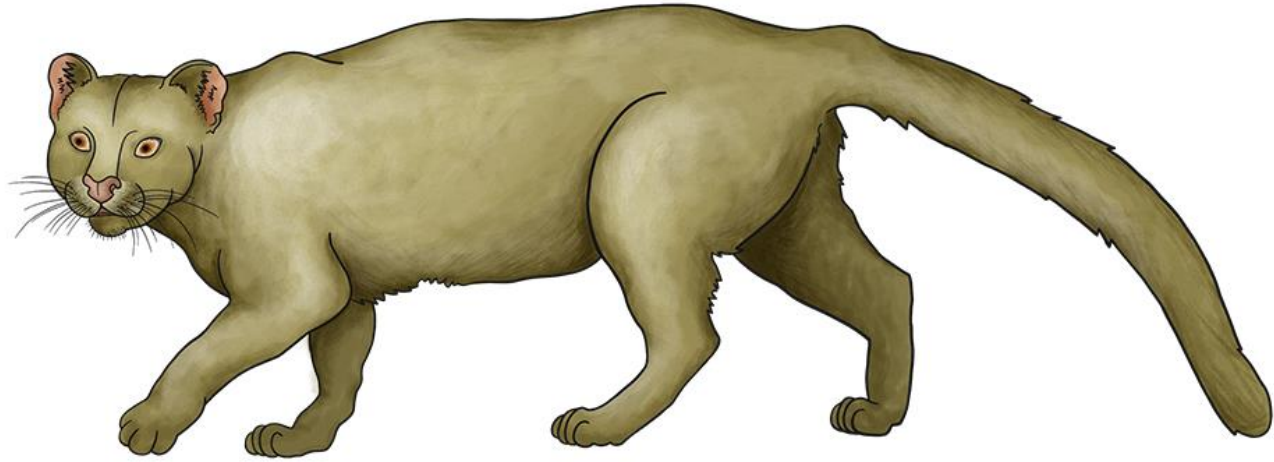
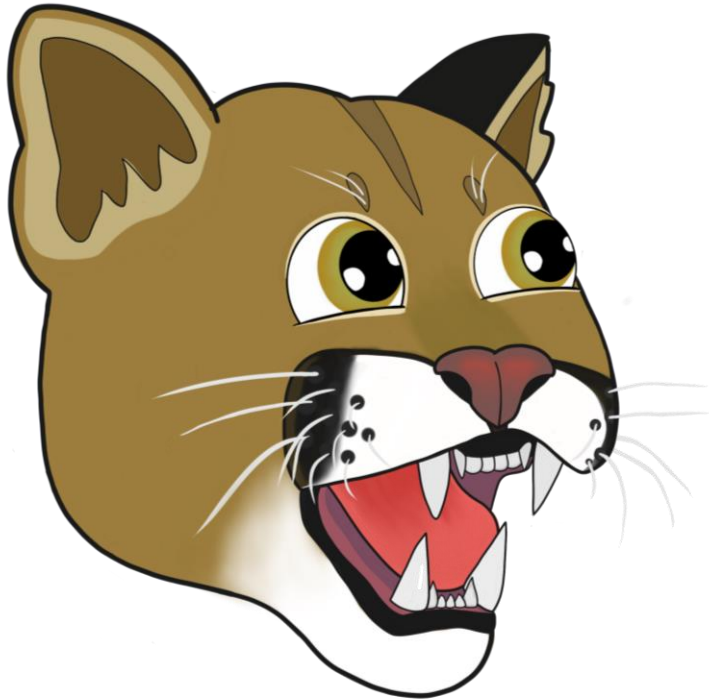


Illustration by: Diana Cruz and Josefina Sequen, illustrator of the MayanToons team.

Puma:

most cougars
have their
standard tan
color.



Puma, *Puma concolor*



Photo by: Nicholas Hellmuth, FLAAR Mesoamérica.



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The photographer, **Eldon Leiter**, was so worried that the cougar might eat Nicholas, or even himself, that he didn't get the focus right. Photographs taken with a Hasselblad, Zeiss lens, (lenses from the 1970's did not have autofocus).



Here is the cougar in the field near a hotel in Belize. Photograph taken a few decades ago.

Young pumas
have faint spots.

99% of adult pumas
have no spots at all.





Photo by: Nicholas Hellmuth, FLAAR Mesoamérica.



Photo by: Nicholas Hellmuth, FLAAR Mesoamérica.

Puma, *Puma concolor*



Illustration by: Genesis Giron, illustrator of the MayanToons team.





Illustration by: Josefina Sequen, illustrator of the MayanToons team.

Tabulation of ranges of measurements and weight of the five felines from the areas of the Olmecs, Mayas, Zapotecs, Classic Veracruz, Teotihuacán, Mixtecs, Toltecs and Aztecs of Mesoamerica

Nombre Internacional	Nombre Científico	Peso	Largo Incluída la cola	Suelo y / o Árboles
Ocelote	<i>Leopardus pardalis</i>	6 – 11 kg (Adulto)Hembra: 7 – 15 kg (Adulto)	73-100cm	Terrestre
Jaguarundi	<i>Puma yagouaroundi</i>	3 a 9 Kg	52 a 76 cm	Terrestre
Margay	<i>Leopardus wiedii</i>	2.5 a 5Kg	46 a 80 cm	En árboles
Puma	<i>Puma concolor</i>	45 a 120 kg	1.5 a 2.6 m	Terrestre
Jaguar	<i>Panthera onca</i>	45 a 130 kg (Adulto)	1.70 a 2.30 m, (Adulto)	Ambos



Illustration by: Josefina Sequen, illustrator of the MayanToons team.



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Infographics



PUMA



Puma concolor



es el cuarto
felino más pesado
del mundo.

Es muy ágil, fuerte y
puede saltar hasta
20 metros

La cola les sirve para
mantenerse en equilibrio
mientras persiguen
a su presa.

JAGUARUNDI



está en peligro por
la pérdida de su
hábitat.

Carecen de manchas
y líneas, su cuerpo
es largo y esbelto.

Se pueden encontrar
en bosques tropicales,
espinosos y húmedos.
Les gusta cazar por las
noches.

Herpailurus yagouaroundi



MARGAY



tiene mucha
habilidad para
moverse en
los árboles.

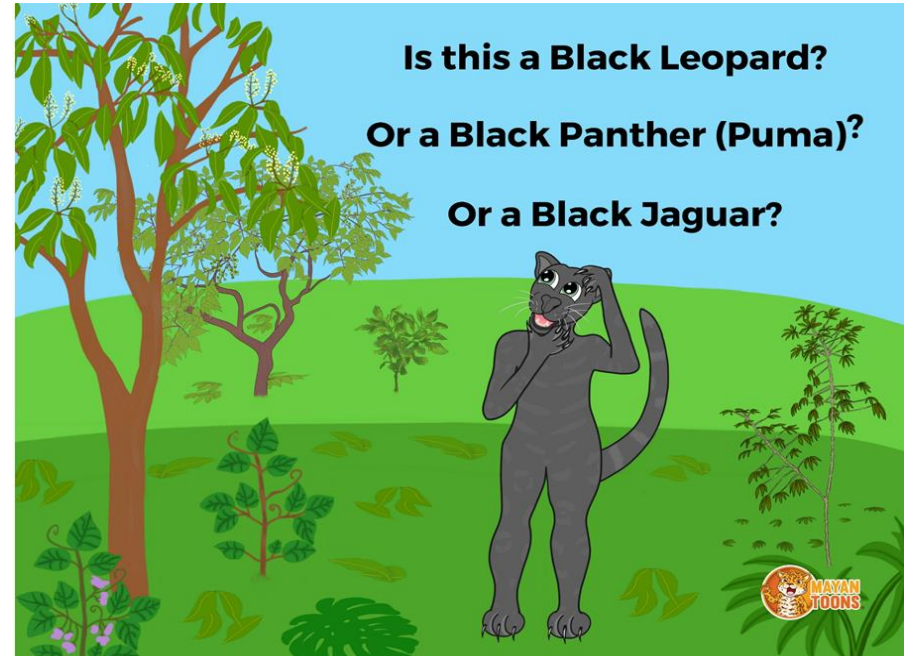
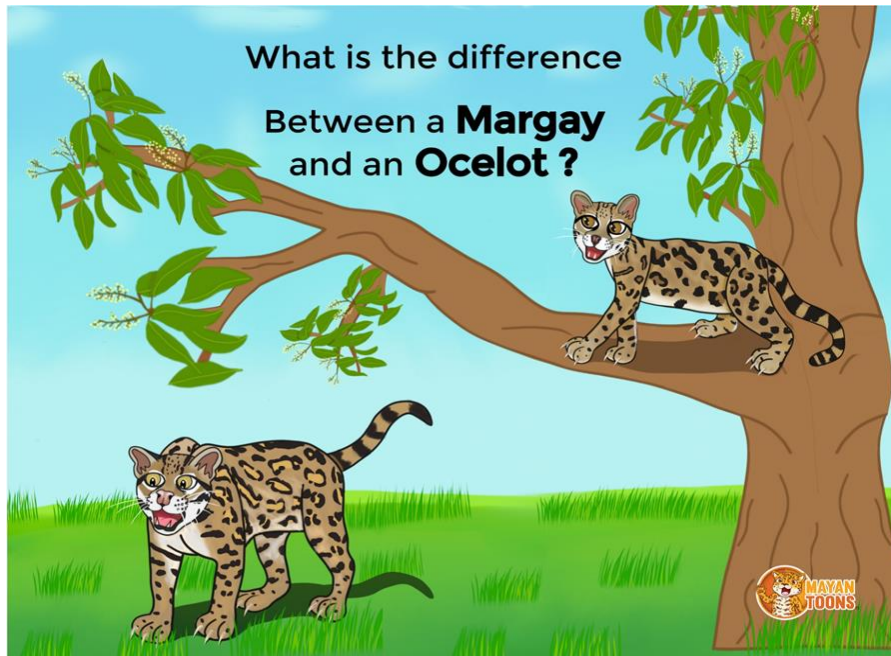


Leopardus wiedii

Es territorial, solitario y nocturno. Caza presas como: murciélagos, aves, lagartos, peces y a veces monos pequeños.

habita en selvas húmedas, no tolera el cambio de hábitat.

Previews





Videos



https://www.youtube.com/watch?v=jtW83itjSLQ&ab_channel=MayanToons



Bibliography

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PDF, Articles, Books on *Leopardus pardalis*

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Bibliography on Puma, *Puma concolor*

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<https://www.maya-ethnozoology.org/native-felines-mesoamerica/cougar-mountain-lion-puma-concolor.php>



Gratefulness

La Aurora Zoo Valerie Syrowicz who is Manager of the Educational Department / Education Manager + Supervisor Marine Conservation Center / Marine Conservation Center Supervisor

and to the veterinarian in 2017 Kurt Duchez for the accesses and approach to native animals and their enclosures

Auto Safari Chapin, its manager Walter Polanco who provided the facilities of the park so that we could carry out documentation of native animals.

Ecolodge El Sombrero, Gabriela Moretti, Sebastian de la Hoz and Juan Carlos de la Hoz

Mayantoons, to the team of illustrations and animators.

FLAAR Mesoamerica, the research team, designers, editors, web and social networks.