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Summary of chapter 7 in "Sanei, A. 2007. *Analysis of leopard (Panthera pardus) status in Iran (No.1)*. Tehran, Sepehr Publication Center (In Persian). 298 p."

⊗ Biometry

Summary of chapter 7 in "Sanei, A. 2007. Analysis of leopard (Panthera pardus) status in Iran (No.1). Tehran, Sepehr Publication Center (In Persian). 298 p."

I collected measurements of alive and dead leopard individuals, leopard skeletons, skulls; flat skins as well as taxidermy leopard individuals from 2002 to 2006 mainly based on the WCS biometry protocol (See also Figure 1 and 2). However, more detail data is presented in the original text.



Sample code: 1

Location: Khorasan province

Total body length: 240 cm

Gender: Male

Photo: Arezoo Sanei



Sample code: 2

Location: Unknown

Total body length: 219 cm

Gender: Male

Photo: Arezoo Sanei



Photo: Arezoo Sanei

Sample code: 3

Location: Semnan province

Total Length: 117 cm

Gender: Male



Photo: Arezoo Sanei

Sample code: 4

Location: Gorgan-Golestan province

Total body length: 250 cm

Gender: Male



Photo: Arezoo Sanei

Sample code: 5

Location: Gorgan-Golestan province

Total body length: 255 cm

Gender: Male



Sample code: 6

Location: Mazandaran province

Total body length: 240 cm

Gender: Male



Photo: Arezoo Sanei



Photo: Arezoo Sanei

Sample code: 7

Location: Mazandaran province

Total body length: 234 cm

Gender: Male



Photo: Dr. Tajbakhsh

Sample code: 8

Location: Khosh-yeilagh, Semnan

province

Total body length:227 cm

Gender:Male



Photo: Arezoo Sanei

Sample code: 9

Location: Unknown

Total body length: 234 cm

Gender:Male



Photo: Arezoo Sanei

Sample code: 10

Location: Neishabour,

Khorasan province.

Total body length: 210 cm

Gender: Female

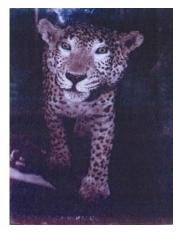


Photo: Arezoo Sanei

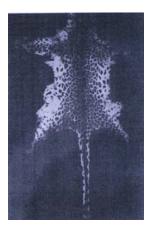
Sample code:11

Location: Dargaz- Khorasan

province

Total body length: 245 cm

Gender:Male



Etemad, 1985

Sample code:12

Location: Bandar-Gaz

Total body length: 208 cm

Gender: Unknown



Etemad, 1985

Sample code:13

Location: Kerman

Total body length: 202 cm

Gender: Unknown



Top: Leopard skeleton originated from Dargaz, Khorasan province (Photo: Arezoo Sanei).

Sample Type: Flat skin	Location of C	Origin: Khorasan province
Factor		Measurement (cm)
Tip of nose to base of tail (A	A)	148 cm
Base of the tail to the end o	f the tail	92
Tip of right front leg to ti	p of left front leg	131
(E)		
Width of skin-Chest (D)		77
Width of skin (C)		64
Width of skin- Abdomen (B)		72
Width of skin- Neck (F)		-
Distance between ears (G)		4

Sample Type: Flat skin	Location	of Origin: Unknown
Factor		Measurement (cm)
Tip of nose to base of tail (A	A)	137
Base of the tail to the end o	f the tail	81
Tip of right front leg to ti	p of left front leg	134
(E)		
Width of skin-Chest (D)		64
Width of skin (C)		49
Width of skin- Abdomen (B)		60
Width of skin- Neck (F)		37
Distance between ears (G)		9

Sample Type: Flat skin	Location	n of Origin: Gorgan
Factor		Measurement (cm)
Tip of nose to base of tail (A	A)	150
Base of the tail to the end of	f the tail	105
Tip of right front leg to tip	p of left front leg	155
(E)		
Width of skin-Chest (D)		75
Width of skin (C)		70
Width of skin- Abdomen (B)		85
Width of skin- Neck (F)		-
Distance between ears (G)		-

Sample Type: Flat skin	Locatio	on of Origin: Bandar-Gaz
Factor		Measurement (cm)
Tip of nose to base of tail (A)		120
Base of the tail to the end of the ta	nil (B)	88

Sample Type: Flat skin	Loca	tion of Origin: Kerman
Factor		Measurement (cm)
Tip of nose to base of tail (A)		112
Base of the tail to the end of the ta	il (B)	90
Height of the hind leg (G)		25

Sample Type: Flat skin	Location	of Origin: Guladeh-Gorgan
Factor	I	Measurement (cm)
Tip of nose to base of tail (A)		177
Base of the tail to the end of the ta	nil (B)	80

Sample Type: Flat skin	Loca	tion of Origin: Gorgan
Factor		Measurement (cm)
Tip of nose to base of tail (A)		122
Base of the tail to the end of the ta	nil (B)	61

Sample Type: Flat skin	Loca	ntion of Origin: Dezful
Factor		Measurement (cm)
Tip of nose to base of tail (A)		124
Base of the tail to the end of the ta	il (B)	95

Sample Type: Flat skin	Locat	ion of Origin: Unknown
Factor		Measurement (cm)
Tip of nose to base of tail (A)		142
Base of the tail to the end of the ta	nil (B)	89

Sample Type: Flat skin	Location of Origin: Lorestan

Factor	Measurement (cm)
Tip of nose to base of tail (A)	112
Base of the tail to the end of the tail (B)	82

Sample Type: Flat skin	Location of Origin: Fars		
Factor		Measurement (cm)	
Tip of nose to base of tail (A)		142	
Base of the tail to the end of the tail (B)		75	

Sample Type: Flat skin	Location of Origin: Fars		
Factor		Measurement (cm)	
Tip of nose to base of tail (A)		127	
Base of the tail to the end of the tail (B)		93	

Sample Type: Flat skin	Location of Origin: Zanjan	
Factor	Measurement (cm)	
Tip of nose to base of tail (A)	127	
Base of the tail to the end of the ta	1 (B) 88	
Height of the hind leg (G)		

(See also Moradi, 1999 and Etemad, 1985)

Sample Type: Taxidermy individual	Location of Origin: Mazandaran
Factor	Measurement (cm)
Tip of nose to base of tail (A)	150
Base of the tail to the end of the tail (B)	90
Height of the front leg (D)	81
Height of the hind leg (G)	-
Girth of the Chest (E)	-
Girth of the Abdomen (F)	-
Girth of Neck (C)	66

Sample Type: Dead individual	Location of Origin: Semnan-Touran	
	National Park	
Factor	Measurement (cm)	
Tip of nose to base of tail (A)	137	
Base of the tail to the end of the tail (I	80	
Height of the front leg (D)	75	
Height of the hind leg (G)	71	
Girth of the Chest (E)	-	
Girth of the Abdomen (F)	-	
Girth of Neck (C)	53	

Sample Type: Taxidermy individual	Location of Origin: Golestan	
Factor		Measurement (cm)
Tip of nose to base of tail (A)		155
Base of the tail to the end of the tail (B)		92
Height of the front leg (D)		91
Height of the hind leg (G)		90
Girth of the Chest (E)		99
Girth of the Abdomen (F)		101
Girth of Neck (C)		64

Sample Type: Taxidermy individual	Location of Origin: Golestan
Factor	Measurement (cm)
Tip of nose to base of tail (A)	138
Base of the tail to the end of the tail (B)	105
Height of the front leg (D)	80
Height of the hind leg (G)	79
Girth of the Chest (E)	96
Girth of the Abdomen (F)	78
Girth of Neck (C)	-

Sample Type: Alive individual Location		n of Origin: Golestan	
(A young male individual)			
Weight		64 kg	
Factor		Measurement	
Tip of nose to base of tail (A)		147	
Base of the tail to the end of the tail (B)		87	

Height of the front leg (D)	77
Height of the hind leg (G)	-
Girth of the Chest (E)	87
Girth of the Abdomen (F)	76
Girth of Neck (C)	54



A leopard skull and leopard jaws obtained from Golestan province (Photo: Arezoo Sanei).

Sample Type: Skull		
Location of origin	Length	Width
Mazandaran	27.1	19.1
Amol	27.1	17.7
Amol	27.0	17.0
Shahroud	25.9	17.0
Bojnourd	25.7	16.8
Gorgan	25.6	16.0

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	-
25.6	15.8
24.1	16.1
24.0	15.5
23.3	15.6
23.0	15.5
23.2	15.0
23.2	15.0
23.0	15.0
23.6	14.3
23.5	-
23.0	-
21.0	-
19.9	-
26.2	-
26.0	17.0
26.7	17.4
27.8	18.4
24.3	16.7
26.4	16.7
24.2	15.6
21.3	14.2
22.8	14.6
23.8	15.5
	24.1 24.0 23.3 23.0 23.2 23.2 23.2 23.0 23.6 23.5 23.0 21.0 19.9 26.2 26.0 26.7 27.8 24.3 26.4 24.2 21.3 22.8

(Sources: Personal data; Moradi, 1999; Etemad, 1985)



Collecting biometry data of an immobilized leopard in Darabad Wildlife Museum, Tehran 2002 (Photo: Somayeh Moezzi)

Etemad I. 1985. Mammals of Iran, volume 2. Department of Environment of Iran (In Persian), Tehran.

Moradi M. 1999. Plan for recognition of natural environment. University of Zanjan (In Persian), Zanjan.

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