

2015.068

AZA CONTRACEPTIVE PATHOLOGY SURVEY

If no information is available please indicate so in the spaces provided

Submitting Veterinarian Dr. Julie Swenson

Institution: Fossil Rim Wildlife Center

Address: 2155 County Road 2008 Phone# ()

GLEN ROSE, TX 76043 E-mail

Species: CANIS LUPUS BAILEYI (MEXICAN WOLF) Sex: M F Body weight (kg):

SB# 656-PACO Local ID: 6017 House Name: PACO

Date of birth (D/M/Y) 29 May 2000 Date tract was obtained (D/M/Y) 05 Aug 15

Cause of death/ indication for spay/castration Declining quality of life

Has this animal spent its entire reproductive life at your zoo? Y N

For females, according to the animal's record:

Did this animal show signs of estrus while treated? Y N Was breeding ever attempted? Y N

Dates of pregnancies, if any: _____

CONTRACEPTIVE HISTORY

Never contracepted

If more space is needed, please use the back

Product	Dose (g) or # of Implants	Animal weight (kg)	Date implanted or administered	Date removed
VASECTOMY		35.84	04 OCT 2007	N/A

OTHER PROBLEMS THAT MAY HAVE AFFECTED REPRODUCTION? (use the back if needed)

Please send tissues and form to: **Dr. Dalen Agnew**

Attn: Histo Research; Diagnostic Center for Population and Animal Health; 4125 Beaumont Rd. Lansing, MI USA 48910-8104 Phone: 517-353-1683.

Questions: agnewd@dcpah.msu.edu or anneke_moresco@hotmail.com

**AZA WILDLIFE CONTRACEPTION CENTER
CONTRACEPTIVE HEALTH SURVEILLANCE PROGRAM**

The AZA Wildlife Contraception Center (WCC) conducts pathology surveillance to identify adverse reactions that might be associated with contraceptive products. For this surveillance, we are requesting reproductive tracts from all male and female mammals treated with contraceptives as well as from *non-contracepted individuals*, so we can compare normal changes with lesions arising from contraceptive use. Please fill out the submission form as completely as possible, so the samples can be evaluated in the appropriate context.

Females: Intact, formalin-fixed reproductive tracts (uterus and ovaries plus mammary gland, if possible) obtained from necropsy or ovariectomy. Make a *small* incision into the body of the uterus (for primates) or into each horn (for species with bicornuate uteri).

Males: Half of each testis (include cauda and head of epididymis) obtained at necropsy or castration. Send half of each testis, cut longitudinally plus cauda and head of epididymis. Immerse tissue in buffered formalin for at least 72 hours (ratio of tissue to formalin = 1:10).

For reproductive tracts that are too large to fix whole and ship (e.g., elephant, rhinoceros, etc), representative sections may be cut according to the protocol on the Wildlife Contraception Center website: www.stlzoo.org/contraception.

SHIPPING: Wrap fixed tracts in formalin-soaked paper towels, enclose in a leak-proof plastic container and ship by ground US mail (Federal Express is not necessary) to:

Dr. Dalen Agnew

Attn: Histo Research

Diagnostic Center for Population and Animal Health

4125 Beaumont Rd.

Lansing, MI USA 48910-8104

Phone: 517-353-1683

agnewd@dcpah.msu.edu

REQUIRED INFORMATION TO INCLUDE: It is critical that you also provide the information requested on the enclosed form, so we can include your case in the AZA WCC surveillance program. These valuable data allow us to assess the effects that age and parity, as well as duration and dose of the contraceptive treatment, can have on lesions.

We will send a pathology report for the tissues you submit and will be certain to acknowledge your institution's contribution in any publication that includes your submission. *Please note that this is a research project and, as such, reports may not be as timely as a standard diagnostic report. If there is urgency in getting a reproductive diagnosis, please contact Dr. Agnew directly.*

Thank you in advance for sending cases to this surveillance program. Your involvement will contribute to our understanding of the effects of contraceptives on reproductive health in zoo mammals.

For questions, please contact us at: agnewd@dcpah.msu.edu or anneke_moresco@hotmail.com

Specimen Report



ISIS GAN MIG12-29182352 **Local ID:** FOSSILRIM / 6017
 Canis lupus baileyi **Mexican wolf**
Order Carnivora **Family** Canidae
IUCN Least Concern (LC) **CITES** II
Start Date Jan 01, 1800 **End Date** Aug 08, 2015

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Basic Animal Information

Sex - Contraception Male - Medical method-surgical/Active [FOSSILRIM]
Birthdate - Age May 29, 2000 - 15Y,2M,10D
Origin Detroit Zoological Society
Birth Type Captive Born
Sire MIG12-29853530 (DETROIT / 7066)

Status Alive
Preferred ID FOSSILRIM / 6017
Rearing Parent
Hybrid Status Not Hybrid
Dam MIG12-29925506 (DETROIT / 7624)

Local Data Differences

Sire M7066/DETROIT
Dam F6724/DETROIT

Current Collection Main Institution Animal Collection
Clutch / Litter

Collection Trip
Enclosure IMA

Visit History

Date In	Acquisition - Vendor/Local ID	Phy Own Reported By	Disposition - Recipient/Local ID	Phy Own Date Out
May 29, 2000	Birth/Hatch Owner: USFWS/656	In - DETROIT / 7923	Loan Transfer To WCSRC/200112	Out - Nov 29, 2001
Nov 29, 2001	Loan In From Sender: DETROIT/7923 Vendor: USFWS/656	In - WCSRC / 200112	Loan Transfer To COLO SPRG/22M020	Out - Jun 27, 2002
Jun 27, 2002	Loan In From Sender: WCSRC/200112 Vendor: USFWS/656	In - COLO SPRG / 22M020	Loan Transfer To FOSSILRIM/656	Out - Oct 24, 2004
Oct 24, 2004	Loan In From Sender: COLO SPRG/22M020 Vendor: USFWS/656	In - FOSSILRIM / 6017	-	-

Identifiers

Reported By	Effective Date	Type	Identifier	Location	Status	Comments
FOSSILRIM	Oct 24, 2004	Local ID	6017		Active	
FOSSILRIM	Jul 13, 2003	Transponder	035372797		In-Use	
COLO SPRG	Jul 13, 2003	Transponder	035-372-797		In-Use	
COLO SPRG	Jul 13, 2003	Regional Studbook Number	AZA/656		Active	Legacy SLocation: AZA Legacy Comment:
WCSRC	Aug 18, 2002	Old Accession Number	200112		Active	
COLO SPRG	Jun 27, 2002	House Name	Paco		Active	
FOSSILRIM	Jun 27, 2002	Regional Studbook Number	AZA/656		Active	Legacy SLocation: AZA Legacy Comment:
FOSSILRIM	Jun 27, 2002	Studbook Name	#656-Paco		Active	
COLO SPRG	Jun 27, 2002	Local ID	22M020		Active	
WCSRC	Nov 29, 2001	Local ID	200112		Active	
WCSRC	Aug 30, 2000	House Name	Paco		Active	
DETROIT	Aug 30, 2000	House Name	PACO		Active	
WCSRC	Aug 30, 2000	Studbook Name	Paco		Active	
DETROIT	Jul 19, 2000	Transponder	035*372*797		In-Use	Legacy SLocation: Behind L ear Legacy Comment:
WCSRC	Jul 19, 2000	Transponder	035-372-797		In-Use	Legacy SLocation: Behind L ear Legacy Comment:
DETROIT	May 29, 2000	Intl Sdbk#	656		Active	
DETROIT	May 29, 2000	Local ID	7923		Active	
WCSRC	May 29, 2000	Intl Sdbk#	656		Active	

Sex Information

Reported By	Date	Sex	Comments
FOSSILRIM	Nov 17, 2004	Male	
COLO SPRG	Jun 27, 2002	Male	
WCSRC	Nov 29, 2001	Male	
DETROIT	May 29, 2000	Male	

Parent Info

Reported By	In ZIMS	Parent Info	Type / Probability	Birth Date	Comments
COLO SPRG	No	DETROIT/F7624	Dam/100%		
COLO SPRG	No	DETROIT/M7066	Sire/100%		
DETROIT	Yes	MIG12-29925506 [DETROIT / 7624]	Dam/100%	May 05, 1998	
DETROIT	Yes	MIG12-29853530 [DETROIT / 7066]	Sire/100%	May 07, 1992	
FOSSILRIM	No	DETROIT/F6724	Dam/100%		
FOSSILRIM	No	DETROIT/M7066	Sire/100%		
WCSRC	Yes	MIG12-29925506 [DETROIT / 7624]	Dam/100%	May 05, 1998	
WCSRC	Yes	MIG12-29853530 [DETROIT / 7066]	Sire/100%	May 07, 1992	

Ancestry Information (calculated by ISIS from shared data)

% Pedigree Known	% Pedigree Certain	Taxonomic Inconsistencies	No. Identified Ancestors
29.69%	29.69%	No	18

Rearing Information

Reported By	Start Date	End Date	Rearing	Comments
FOSSILRIM	Nov 17, 2004		Parent	
COLO SPRG	Jun 27, 2002		Parent	
WCSRC	Nov 29, 2001		Parent	
DETROIT	May 29, 2000		Parent	

Contraception

Reported By	Start Date	End Date	Method	Status	Administered	Comments
FOSSILRIM	Oct 04, 2007		Medical method-surgical	Active		Vasectomy

No Life Stage Information Found

No Development Milestones Found

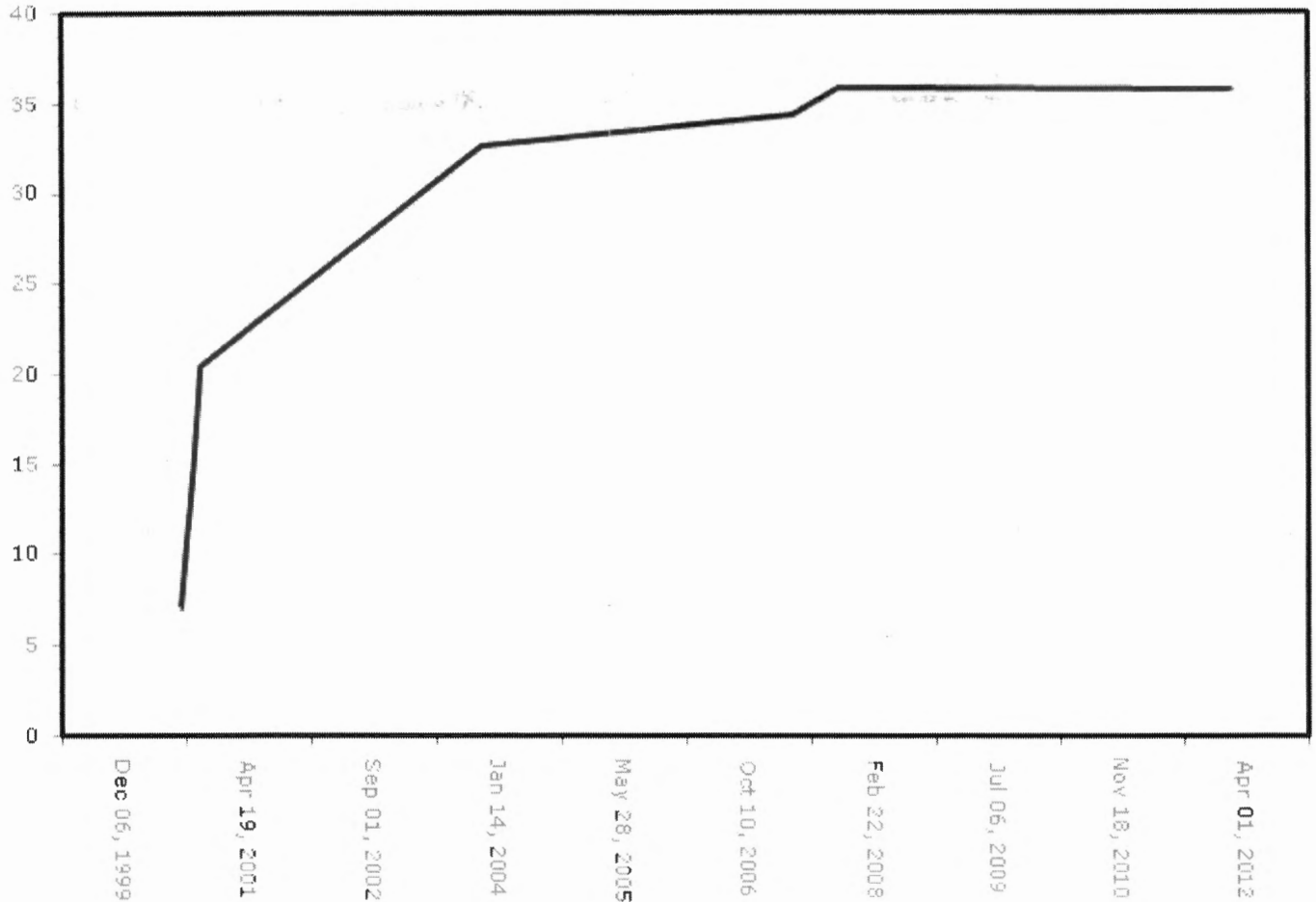
Enclosure History

Enclosure Name	Date Moved In	Date Moved Out	Move In Reason	Comments
IMA	Oct 22, 2004			

No Management Plan Found

No Permits Found

Live Weight



Units kilogram

Weights

Specimen Report: MIG12-29182352 | Local ID: FOSSILRIM / 6017

Reported By	Date	Type	Value	Units	Comments
FOSSILRIM	Jan 31, 2012	Live weight	35.74	kilogram	
FOSSILRIM	Jan 31, 2012	Live weight	78.4	pound	
FOSSILRIM	Oct 04, 2007	Live weight	35.84	kilogram	
FOSSILRIM	Apr 05, 2007	Live weight	34.30	kilogram	
COLO SPRG	Nov 05, 2003	Live weight	32.67	kilogram	
DETROIT	Oct 06, 2000	Live weight	20.42	kilogram	Migrated from MedARKS Clinical Notes module
DETROIT	Sep 06, 2000	Live weight	14.52	kilogram	Migrated from MedARKS Clinical Notes module
DETROIT	Jul 19, 2000	Live weight	7.105	kilogram	Migrated from MedARKS Clinical Notes module
DETROIT	Jul 19, 2000	Live weight	7105.0	gram	

No Lengths Found

Training Info List

Feed Log

Date	Time	Food	Quantity	Consumed	Fed By	Comments
Dec 09, 2012		Purina Pro Plan Lamb and Rice	1 units			Group left 2 scoops of Purina from AM diet (1.2 MGW)
Dec 07, 2012		Purina Pro Plan Lamb and Rice	1 units			Group Left 1 3/4 scoop of Purina from AM diet (1.2 MGW)
Dec 06, 2012		Horse Necks	4 units	4 units		Group received 4 horse necks in PM (1.2 MGW)
Dec 06, 2012		Purina Pro Plan Lamb and Rice	1 units			Group left 2 scoops of Purina from AM diet (1.2 MGW)
Dec 05, 2012		Purina Pro Plan Lamb and Rice	1 units			Group left 1 1/4 scoop of Purina from AM diet (1.2 MGW)
Dec 03, 2012		Purina Pro Plan Lamb and Rice	1 units		Jordan Maupin	Group left 1 1/2 scoops of Purina from AM diet (1.2 MGW)
Dec 02, 2012		Purina Pro Plan Lamb and Rice	1 units			Group left 3 scoops of Purina from AM diet
Dec 01, 2012		Purina Pro Plan Lamb and Rice	1 units			Group left 1/3 scoop of Purina from AM diet
Nov 30, 2012		Purina Pro Plan Lamb and Rice	1 units			Group Left 2 1/4 scoop of Purina (1.2 MGW)
Nov 29, 2012		Purina Pro Plan Lamb and Rice	1 units			Group left 3/4 scoop of Purina from AM diet (1.2 MGW)
Nov 28, 2012		Purina Pro Plan Lamb and Rice	1 units		Jordan Maupin	Group left 1 1/4 scoop of Purina from AM diet (1.2 MGW)
Nov 27, 2012		Purina Pro Plan Lamb and Rice	1 units		Jordan Maupin	Group left 1/4 scoop of Purina from AM diet (1.2 MGW)
Nov 26, 2012		Purina Pro Plan Lamb and Rice	1 units		Jordan Maupin	Group left 3 1/2 scoops of Purina from AM diet, only ate 1/4 scoop between all 3. (1.2 MGW)
Nov 25, 2012		Purina Pro Plan Lamb and Rice	1 units		Jordan Maupin	Group left 1 1/4 scoop of Purina from AM diet (1.2 MGW)
Nov 21, 2012		Purina Pro Plan Lamb and Rice	1 units		Jordan Maupin	Group left 2 1/2 scoops of Purina from AM diet (1.2 MGW)
Nov 20, 2012		Purina Pro Plan Lamb and Rice	1 units		Jordan Maupin	Group left 1 scoop of Purina from AM diet (1.2 MGW)
Nov 19, 2012		Purina Pro Plan Lamb and Rice	1 units		Jordan Maupin	Group left 3/4 scoop of Purina from AM diet (1.2 MGW)
Nov 09, 2012		Purina Pro Plan Lamb and Rice	1 units		Jordan Maupin	Group left 2 scoops of Purina from AM diet (1.2 MGW)
Oct 26, 2012		Head of Lettuce	1 units			Received 1 head of lettuce for enrichment
Oct 25, 2012		Purina Pro plan Lamb and Rice	1 units			Group left 2/3 scoop of kibble from AM diet (1.2 MGW)
Oct 23, 2012		Purina Pro Plan Lamb and Rice	1 units		Jordan Maupin	Group left 3/4 scoop of Purina (1.2 MGW)
Oct 20, 2012		Hard-boiled egg without shell	1 units	1 units		Received 1 hard-boiled egg without the shell for enrichment
Oct 13, 2012		Purina Pro Plan Lamb and Rice	1 units		Jordan Maupin	Group left 2 1/4 scoops of Purina (1.2 MGW)
Oct 12, 2012		Purina Pro Plan Lamb and Rice	1 units			Group left 3 scoops of Purina (1.2 MGW)
Oct 11, 2012		Purina Pro Plan Lamb and Rice	1 units			2 scoops of Purina left in group (1.2 MGW)
Oct 03, 2012		Horse Neck	1 units	1 units	Jordan Maupin	Received 1 horse neck in AM

No Alerts Found

Notes/Observations

Reported By	Text
FOSSILRIM	Date: Aug 05, 2015 Type/Subtype: Animal Care/Medical Note (M) Keyword: Clinical Medical Summary Note Geriatric animal, euthanized due to declining quality of life. See pathology report for necropsy findings.
FOSSILRIM	Date: Jul 24, 2015 Type/Subtype: Animal Care/Medical Note (M) Keyword: Clinical Medical Summary Note Keepers reporting increasing difficulty moving around with increased head shaking noted. Concerned about quality of life. Visual exam by JSwenson. Geriatric wolf with generalized weakness and disorientation. Likely has declining quality of life based on keeper assessment and evidence of significant age related changes. Appropriate to consider euthanasia as his quality of life is actively declining. Schedule immobilization with likely euthanasia for next week.
FOSSILRIM	Date: May 03, 2015 Type/Subtype: Animal Care/Physical Condition (P) Keyword: - Panting heavily in afternoon. 80 F
FOSSILRIM	Date: Apr 28, 2015 Type/Subtype: Animal Care/Physical Condition (P) Keyword: - Stiff in his legs in the morning
FOSSILRIM	Date: Apr 27, 2015 Type/Subtype: Animal Care/Fecal Observation Keyword: - Liquid feces with some grass present
FOSSILRIM	Date: Apr 16, 2015 Type/Subtype: General/Behavior (B) Keyword: - Paco sometimes unsteady in gait. Ears droopy at times. Head tilts on and off.
FOSSILRIM	Date: Apr 08, 2015 Type/Subtype: General/Behavior (B) Keyword: - Paco very energetic and moves well but exhibits poor balance when standing.
FOSSILRIM	Date: Apr 07, 2015 Type/Subtype: General/Behavior (B) Keyword: - Paco lost his balance in afternoon while standing. Still wobbly and sluggish in late afternoon.
FOSSILRIM	Date: Apr 06, 2015 Type/Subtype: General/Behavior (B) Keyword: - Panting in afternoon
FOSSILRIM	Date: Apr 01, 2015 Type/Subtype: Individual Behavior/Individual Behavior (BS) Keyword: - Paco pantin in afternoon. 82 degrees. Weak backend. Stumbling when walking. Same on 03/31/2015
FOSSILRIM	Date: Dec 16, 2014 Type/Subtype: Animal Care/Medical Note (M) Keyword: Clinical Medical Summary Note Animal care staff started transition to new kibble portion of the diet. Will slowly transition over the next several days. New diet is "Taste of the Wild, High prairie canine diet, grain free". Crude protein 32% min, Crude fat 18% min, crude fiber 3% min. This note added to the following animals: 5058, 5063, 6017, 6018 This note added to the following animals: 5058, 5063, 6017, 6018
FOSSILRIM	Date: Mar 05, 2014 Type/Subtype: Animal Care/Medical Treatment (MT) Keyword: Monthly Meds Received Sentinel and Praziquantel
FOSSILRIM	Date: Mar 05, 2014 Type/Subtype: Animal Care/- Keyword: Breeding Behavior Started following Sarita (dominant female) around in AM and mounted her twice while she was eating.
FOSSILRIM	Date: Feb 13, 2014 Type/Subtype: Diet/Diet Change Keyword: Diet Change Increasing number of days meat is offered. From 3 to 5 (mon-fri)
FOSSILRIM	Date: Feb 03, 2014 Type/Subtype: Animal Care/Medical Treatment (MT) Keyword: Monthly Meds Received Sentinel
FOSSILRIM	Date: Jan 24, 2014 Type/Subtype: Animal Care/- Keyword: Stiff Stiff in back end in AM
FOSSILRIM	Date: Jan 06, 2014 Type/Subtype: Animal Care/Medical Treatment (MT) Keyword: Monthly Meds Received Sentinel
FOSSILRIM	Date: Dec 30, 2013 Type/Subtype: Diet/Diet Change Keyword: Diet Change Now receiving Toronto Canine Diet instead of Toronto Feline Diet

<u>Reported By</u>	<u>Text</u>
FOSSILRIM	Date: Dec 04, 2013 Type/Subtype: Animal Care/Medical Treatment (MT) Keyword: Monthly Meds Received sentinel and Praziquantel
FOSSILRIM	Date: Nov 06, 2013 Type/Subtype: Animal Care/Medical Treatment (MT) Keyword: Monthly meds Received Sentinel
FOSSILRIM	Date: Oct 07, 2013 Type/Subtype: Animal Care/Medical Treatment (MT) Keyword: Monthly meds Received Sentinel
FOSSILRIM	Date: Sep 10, 2013 Type/Subtype: Animal Care/Medical Treatment (MT) Keyword: Monthly meds Received Sentinel and Praziquantel
FOSSILRIM	Date: Jul 31, 2013 Type/Subtype: Animal Care/Medical Treatment (MT) Keyword: Monthly meds Received Sentinel
FOSSILRIM	Date: Jul 03, 2013 Type/Subtype: Animal Care/Medical Treatment (MT) Keyword: Monthly meds Received Sentinel
FOSSILRIM	Date: Jun 26, 2013 Type/Subtype: Animal Care/Medical Treatment (MT) Keyword: - Finished Chlorpheniramine
FOSSILRIM	Date: Jun 12, 2013 Type/Subtype: Animal Care/Medical Treatment (MT) Keyword: - Started 8mg of Chlorpheniramine BID for 14 days due to seasonal allergies
FOSSILRIM	Date: May 29, 2013 Type/Subtype: Animal Care/Medical Treatment (MT) Keyword: Monthly meds Received Sentinel and Praziquantel
FOSSILRIM	Date: Apr 29, 2013 Type/Subtype: Animal Care/Medical Treatment (MT) Keyword: Monthly meds Received Ivermectin and Lufenuron
FOSSILRIM	Date: Apr 08, 2013 Type/Subtype: Animal Care/Medical Treatment (MT) Keyword: Monthly meds Received Ivermectin and Lufenuron
FOSSILRIM	Date: Mar 04, 2013 Type/Subtype: Animal Care/Medical Treatment (MT) Keyword: Monthly meds Received Ivermectin, Lufenuron, and Praziquantel
FOSSILRIM	Date: Feb 19, 2013 Type/Subtype: Animal Care/Immobilization (MI) Keyword: - Darted in holding yard. Went in calmly. Mass on his back-size of a golf ball. Removed mass. teeth looked great, a little thin but still good condition for age. recovered quicker and easier than previous year. 2 hours after KD, shaking head, foaming at the mouth, and heaving. Gave him Benadryl for possible drug reaction. Acted very comfortable in holding yard. Still acting same as he was before bendadryl, let him into yard with girls. Very calm and he laid down in back of yard. fine in PM, but still shaking head slightly.
FOSSILRIM	Date: Dec 17, 2012 Type/Subtype: Animal Care/Medical Observation (MO) Keyword: Limp Paco has a slight limp on his right front leg. He is still very active and jumping around, so it doesn't seem to bother him too bad.

Reported By	Text
FOSSILRIM	Date: Dec 08, 2012 Type/Subtype: Diet/Diet Change Keyword: Purina Pro Plan Lamb and Rice Decreased the groups kibble to 1 scoop per wolf (1.2 MGW)
FOSSILRIM	Date: Dec 03, 2012 Type/Subtype: Animal Care/Medical Treatment (MT) Keyword: Monthly Meds Received Ivermectin and Praziquantel
FOSSILRIM	Date: Nov 24, 2012 Type/Subtype: Diet/Diet Change Keyword: No More Fasting Days No longer fasting on Saturdays. Will receive 1 1/4 scoop of Purina per wolf.
FOSSILRIM	Date: Nov 14, 2012 Type/Subtype: Animal Care/Medical Observation (MO) Keyword: Ears Paco's left ear is bothering him a lot. Kept it down to the side in AM and shook it several times.
FOSSILRIM	Date: Nov 14, 2012 Type/Subtype: Animal Care/Medical Observation (MO) Keyword: Vomit Found 2 piles of vomit in holding yard. Straight kibble vomit.
FOSSILRIM	Date: Oct 31, 2012 Type/Subtype: Animal Care/Medical Treatment (MT) Keyword: Monthly Meds Received Ivermectin and Lufenuron
FOSSILRIM	Date: Oct 15, 2012 Type/Subtype: Animal Care/Fecal Observation Keyword: Diarrhea Found 1 pile of diarrhea in holding yard
FOSSILRIM	Date: Oct 01, 2012 Type/Subtype: Animal Care/Medical Treatment (MT) Keyword: Monthly Meds Received Lufenuron and Ivermectin
FOSSILRIM	Date: Feb 17, 2009 Type/Subtype: Animal Care/Medical Procedure (MP) Keyword: Medical procedure Observer: - Time: - Duration: - Quality: - Caught in net and given yearly vaccinations
FOSSILRIM	Date: Oct 04, 2007 Type/Subtype: Reproduction/- Keyword: Contraception Vasectomized-lives with females 6018, 6019, 6020. Not recommended to breed
FOSSILRIM	Date: Nov 17, 2004 Type/Subtype: Sex Information/Sexing Information Keyword: EDU Process Sex Record Legacy data sex record: Date = 2004-11-17, Sex = Male, Comment = (no comment)
FOSSILRIM	Date: Oct 24, 2004 Type/Subtype: Transactions/Acquisition Note Keyword: Accession Note ISIS addition - the Physical Vendor/Local ID for the loan in were added by ISIS from another institution's already-connected record.
FOSSILRIM	Date: Oct 07, 2004 Type/Subtype: Transactions/Shipper Obsolete (TS) Keyword: Shipper Observer: - Time: - Duration: - Quality: - Arrived from Colorado Springs, CO
COLO SPRG	Date: Jun 27, 2002 Type/Subtype: Sex Information/Sexing Information Keyword: EDU Process Sex Record Legacy data sex record: Date = 2002-06-27, Sex = Male, Comment = (no comment)
WCSRC	Date: Nov 29, 2001 Type/Subtype: Sex Information/Sexing Information Keyword: EDU Process Sex Record Legacy data sex record: Date = 2001-11-29, Sex = Male, Comment = (no comment)
DETROIT	Date: Sep 26, 2000 Type/Subtype: Animal Information/Identification Obsolete (ID) Keyword: Identification Ears folded over [[NLB]]
DETROIT	Date: Aug 30, 2000 Type/Subtype: Animal Information/Identification Obsolete (ID) Keyword: Identification Name selected from contest entry submitted by Mrs. Dorothy M. Colasinki of Taylor, MI [[NLB]]
DETROIT	Date: Jul 19, 2000 Type/Subtype: Sex Information/Sex Modification Log (SE) Keyword: Sex Modification Log Sex Code Changed From Unknown to Male at physical exam [[NLB]]

Reported By**Text**

DETROIT

Date: Jul 19, 2000 | Type/Subtype: Animal Information/Identification Obsolete (ID) | Keyword: Identification

White tip on tail [[NLB]]

DETROIT

Date: May 29, 2000 | Type/Subtype: Sex Information/Sexing Information | Keyword: EDU Process Sex Record

Legacy data sex record: Date = 2000-05-29, Sex = Male, Comment = (no comment)

Report Start Date
May 08, 2015

Necropsy Case Report

Report End Date
Aug 08, 2015



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6017 | Mexican wolf / *Canis lupus baileyi* | MIG12-29182352

Individual

Sex: Male Birth Date: May 29, 2000

Age at Submission Date: 15Y,2M,7D

Case Info

Case Number	Responsible Pathologist	Responsible Resident
2015-0065	Michael Garner	-
Parties to Get Copy of Final Report		
Mary Jo Stearns		

Necropsy Submission

Death Date	Date Submitted	Date Discovered	Submitted By	Manner of Death	Carcass Weight	Death Location
Aug 05, 2015	Aug 05, 2015	-	Julie Swenson	Euthanasia, medical	-	IMA

Recent History/Observations

Declining quality of life for past several months.

Special Request

Per SSP:

Reproductive tract to be sent to Dr. Dalen Agnew at MSU

Carcass to be sent to Museum of Southwestern Biology at the U of New Mexico

Frozen tissues to be kept at FRWC: liver, brain, kidney, plasma, serum, small intestines, lung, spleen, lymph node.

Frozen tissues to be sent with carcass: heart, kidney, spleen, lung

Gross Necropsy

Necropsy Date	Carcass Condition	Necropsy Location	Necropsy Prosector
Aug 05, 2015	Fresh	OAK TRAP	Julie Swenson
Report Date	Additional Staff		
Aug 05, 2015	Brad SoRelle, Lindsay Cosmi, Preceptor Vet		

Gross Necropsy Findings:

Integumentary: Large, pedunculated skin mass on the back of the skull, ~2 cm across the base and 6 cm long, darkly pigmented with no fur present, slight oozing of blood and purulent liquid at the base. Second and third mass, similar in appearance but smaller in size present along the right side of the face. Significant alopecia across neck and shoulders.

Special Senses: Nuclear sclerosis bilaterally. Moderate waxy debris AU.

Musculoskeletal: Significant muscle wasting. Multiple joints swollen and enlarged including both stifles and (mild) both carpi.

Serosal Cavities: Several small (<0.5 cm) nodules within the omentum, on cut surface appear to be fibrous tissue.

Respiratory: Moderate pulmonary congestion. Scattered white foci throughout all lung fields (fibrosis)

Cardiovascular: right heart appears subjectively dilated with some palpable thickening of the valve leaflets.

Oral Cavity: Multiple worn teeth. One upper incisor (right I3) is discolored.

Esophagus: NGL

Stomach: Significant greenish yellow to white frothy material within stomach, no significant food component seen. Multiple pinpoint to coalescing ulcers in the stomach mucosa. None appear to be full thickness.

Intestines: Abnormal omental adhesion near the ileocecal junction, does not appear to be causing any type of partial or complete obstruction. Area of erythema within the mucosa at the ileocecal junction

Liver: Mild to moderate mottling of the surface of the liver. Several areas near the tips of the lobes that contain white fibrotic areas. Two apparent hepatic abscesses noted, both small (< 1cm).

Gall Bladder: NGL

Pancreas: NGL

Spleen: NGL

Lymphatic: NGL

Urogenital: Moderate congestion of the kidneys with fibrosis visible on the exterior surface. Possible area of infarct in the cortex of the right kidney.

Endocrine: NGL

Neurologic: NGL

Other: N/A

Sex: Male

Birth Date: May 29, 2000

Age at Submission Date: 15Y,2M,7D

Gross/Preliminary Diagnosis

Diagnosis	Standardized Diagnosis
Fibrosis, omentum, liver, lung, moderate	FIBROSIS, LIVER, Lung, GREATER OMENTUM, MODERATE, Kidney
Nuclear sclerosis OU	NUCLEAR SCLEROSIS, EYE (BOTH)
Endocardiosis, mild, tricuspid valve	ENDOCARDIOSIS, MILD, Tricuspid
Pulmonary congestion, moderate	PULMONARY, MODERATE, CONGESTION
Joint enlargement, multiple	Multiple, JOINTS, enlarged
Intestinal adhesion, minor, ileocolic junction	MINOR, INTESTINAL, Adhesion, ileocolic junction
Muscle atrophy, moderate	MUSCLE ATROPHY, MODERATE
Gastric ulcers, moderate, multifocal	GASTRIC, ULCER, MODERATE, Multifocal
Generalized alopecia at the shoulders	Alopecia, TRUNK OF BODY, CERVICAL REGION
Endocardiosis, mild, mitral valve	ENDOCARDIOSIS, MILD, Mitral
Right sided heart dilation, subjective, mild	HEART, DILATION, MILD
Erythematous mucosa at ileocolic junction, moderate	ERYTHEMA, Mucosa, ileocolic junction, MODERATE
Mottling of liver surface, mild to moderate	MOTTLED, LIVER, Mild to moderate
Renal congestion, moderate	MODERATE, VASCULAR CONGESTION, Kidney
Pigmented, alopecic dermal masses	PIGMENTATION, Alopecia, Dermal Mass
Dental disease, moderate	DENTAL DISEASE, MODERATE
Hepatic abscess, multiple, small	LIVER, Abscess, Multiple

Initial Comments and Interpretation

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